

[#1] INFO:Caching -- Changing internal binning of variable 'dE' in FFT 'par_gauss' from 100 to 930 to improve the precision of the numerical FFT. This can be done manually by setting an additional binning named 'cache'.

[#1] INFO:Eval -- RooRealVar::setRange(dE) new range named 'refrange_fft_par_gauss' created with bounds [-0.4,0.18]

[#1] INFO:NumericIntegration -- RooRealIntegral::init(parabola_Int[dE]) using numeric integrator RooIntegrator1D to calculate Int(dE)

[#1] INFO:Caching -- RooAbsCachedPdf::getCache(par_gauss) creating new cache 0x56476b331030 with pdf parabola_CONV_gauss_CACHE_Obs[dE]_NORM_dE for nset (dE) with code 0

[#1] INFO:Minimization -- RooAbsMinimizerFcn::setOptimizeConst: activating const optimization

** 1 **SET PRINT 1

** 2 **SET NOGRAD

PARAMETER DEFINITIONS:

NO.	NAME	VALUE	STEP SIZE	LIMITS
1	a	-1.50000e-01	5.00000e-03	-1.80000e-01 -1.30000e-01
2	b	1.50000e-01	7.00000e-03	1.00000e-01 1.70000e-01
3	eps	6.80000e-01	1.99000e-01	1.00000e-02 2.00000e+00
4	mean	-2.10000e-01	4.00000e-03	-2.30000e-01 -1.90000e-01
5	sigma	2.00000e-02	1.00000e-03	1.50000e-02 2.50000e-02

** 3 **SET ERR 0.5

** 4 **SET PRINT 1

** 5 **SET STR 1

NOW USING STRATEGY 1: TRY TO BALANCE SPEED AGAINST RELIABILITY

** 6 **MIGRAD 2500 1

FIRST CALL TO USER FUNCTION AT NEW START POINT, WITH IFLAG=4.

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

START MIGRAD MINIMIZATION. STRATEGY 1. CONVERGENCE WHEN EDM .LT.
1.00e-03

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.14995 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !

pdf1=parabola=0.00239869, !pdf2=gauss=1.41311e-66, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00430641, !pdf2=gauss=6.75275e-64, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0971613, !xprime=nullptr, !

pdf1=parabola=0.012321, !pdf2=gauss=1.20592e-50, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !

pdf1=parabola=0.0123783, !pdf2=gauss=1.56462e-50, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.00851049, !pdf2=gauss=1.86244e-57, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.121243, !xprime=nullptr, !

pdf1=parabola=0.00755938, !pdf2=gauss=5.43592e-59, !params=(a = -0.14995,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15005 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15005,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00430796, !pdf2=gauss=6.75275e-64, !params=(a = -0.15005,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !

pdf1=parabola=0.00599747, !pdf2=gauss=2.07237e-61, !params=(a = -0.15005,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !

pdf1=parabola=0.006533, !pdf2=gauss=1.35119e-60, !params=(a = -0.15005,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.00851381, !pdf2=gauss=1.86244e-57, !params=(a = -0.15005,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313397, !pdf2=gauss=1.46704e-65, !params=(a = -0.15005,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.0079068, !pdf2=gauss=1.9273e-58, !params=(a = -0.15005,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00491116, !pdf2=gauss=5.05761e-63, !params=(a = -0.15005,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.15005,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0997661, !xprime=nullptr, !
pdf1=parabola=0.0118769, !pdf2=gauss=1.61784e-51, !params=(a = -0.15005,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log
follows.

Parameter values: a=-0.149497 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149497,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00556509, !pdf2=gauss=4.84566e-62, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239494, !pdf2=gauss=1.41311e-66, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00429945, !pdf2=gauss=6.75275e-64, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00555372, !pdf2=gauss=4.65985e-62, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00774896, !pdf2=gauss=1.14399e-58, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.0053642, !pdf2=gauss=2.43411e-62, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.149497,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.149497,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log
follows.

Parameter values: a=-0.150505 b=0.15 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.150505,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00558561, !pdf2=gauss=4.84566e-62, !params=(a = -0.150505,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00431495, !pdf2=gauss=6.75275e-64, !params=(a = -0.150505,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.150071 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00559434, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00432673, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00601519, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00655037, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00558294, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.0123967, !pdf2=gauss=1.56462e-50, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00852983, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.0018809, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.150071,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00715576, !pdf2=gauss=1.17086e-59, !params=(a = -0.15,b = 0.150071,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00822368, !pdf2=gauss=5.89027e-58, !params=(a = -0.15,b = 0.150071,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 12 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.149929 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.149929,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.0055563, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00237874, !pdf2=gauss=1.41311e-66, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.15,b = 0.149929,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00828213, !pdf2=gauss=8.37696e-58, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00428761, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00597751, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00651317, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00554489, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102773, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00849445, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00818801, !pdf2=gauss=5.89027e-58, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00774578, !pdf2=gauss=1.14399e-58, !params=(a = -0.15,b = 0.149929,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

... (remaining 9 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.150706 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !

pdf1=parabola=0.00618359, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !

pdf1=parabola=0.0126169, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !

pdf1=parabola=0.00575304, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00206478, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !

pdf1=parabola=0.00510217, !pdf2=gauss=5.05761e-63, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !

pdf1=parabola=0.00724497, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.150706,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.149286 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.149286,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00411038, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.149286,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.00833418, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.149286,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !

pdf1=parabola=0.00695307, !pdf2=gauss=1.17086e-59, !params=(a = -0.15,b = 0.149286,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !

pdf1=parabola=0.00772445, !pdf2=gauss=1.9273e-58, !params=(a = -0.15,b = 0.149286,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00687774, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.149286,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.682012 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.682012,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557611, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239924, !pdf2=gauss=1.41311e-66, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00830178, !pdf2=gauss=8.37696e-58, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430763, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00599727, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.0055647, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102972, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00851411, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.15,eps = 0.682012,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00713877, !pdf2=gauss=1.17086e-59, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0103711, !pdf2=gauss=2.71615e-54, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.010443, !pdf2=gauss=3.64392e-54, !params=(a = -0.15,b = 0.15,eps =
0.682012,mean = -0.21,sigma = 0.02), !cacheObs=()
```

... (remaining 12 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.67799 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.67799,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430673, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.15,eps = 0.67799,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.15,eps = 0.67799,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186027, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps = 0.67799,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00888259, !pdf2=gauss=7.69323e-57, !params=(a = -0.15,b = 0.15,eps = 0.67799,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.700182 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.700182,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00707546, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.15,eps = 0.700182,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.659967 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.659967,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00490434, !pdf2=gauss=5.05761e-63, !params=(a = -0.15,b = 0.15,eps = 0.659967,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.20996 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.20996,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]


```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.71748e-75, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=5.0142e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.93554e-77, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00829993, !pdf2=gauss=8.65812e-58, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=6.99114e-64, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00599636, !pdf2=gauss=2.14408e-61, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=4.82195e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102942, !pdf2=gauss=2.07486e-54, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.012381, !pdf2=gauss=1.6137e-50, !params=(a = -0.15,b = 0.15,eps = 0.68,mean =
-0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=2.69765e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00713744, !pdf2=gauss=1.21079e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00820586, !pdf2=gauss=6.08823e-58, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.20996,sigma = 0.02), !cacheObs=()
... (remaining 16 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21004 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21004,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=4.68276e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21004,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=6.52247e-64, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21004,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00556393, !pdf2=gauss=4.50318e-62, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21004,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !pdf1=parabola=0.00851215, !pdf2=gauss=1.80213e-57, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21004,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !pdf1=parabola=0.0104399, !pdf2=gauss=3.52926e-54, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21004,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !pdf1=parabola=0.00491026, !pdf2=gauss=4.88629e-63, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21004,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.209597 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.209597,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00557533, !pdf2=gauss=6.81946e-62, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.209597,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !pdf1=parabola=0.00239911, !pdf2=gauss=2.01306e-66, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.209597,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00430718, !pdf2=gauss=9.55131e-64, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.209597,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !pdf1=parabola=0.00713744, !pdf2=gauss=1.637e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.209597,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=8.52576e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.209597,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.210403 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.210403,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=3.11959e-75, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00557533, !pdf2=gauss=3.44175e-62, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=4.77225e-64, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=3.30962e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.012381, !pdf2=gauss=1.14861e-50, !params=(a = -0.15,b = 0.15,eps = 0.68,mean
= -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00851215, !pdf2=gauss=1.33983e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.30022e-71, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104399, !pdf2=gauss=2.64636e-54, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101623, !xprime=nullptr, !
pdf1=parabola=0.0115447, !pdf2=gauss=2.79508e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.121243, !xprime=nullptr, !
pdf1=parabola=0.00756083, !pdf2=gauss=3.89368e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101143, !xprime=nullptr, !
pdf1=parabola=0.0116306, !pdf2=gauss=4.06174e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00888474, !pdf2=gauss=5.54416e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.210403,sigma = 0.02), !cacheObs=()
... (remaining 2 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

```

Parameter values:   a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.0200101
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.0200101)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=5.5992e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0200101), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=5.38471e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0200101), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00713744, !pdf2=gauss=1.34549e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0200101), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00706246, !pdf2=gauss=1.02775e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0200101), !cacheObs=()

```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.121243, !xprime=nullptr, !
pdf1=parabola=0.00756083, !pdf2=gauss=6.23703e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0200101), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

```
Parameter values:   a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.0199899
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.0199899)
```

```
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=4.19261e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239911, !pdf2=gauss=1.20987e-66, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=5.81758e-64, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=4.03168e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102942, !pdf2=gauss=1.76962e-54, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=1.25901e-65, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101623, !xprime=nullptr, !
pdf1=parabola=0.0115447, !pdf2=gauss=3.38712e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.121243, !xprime=nullptr, !
pdf1=parabola=0.00756083, !pdf2=gauss=4.73671e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101143, !xprime=nullptr, !
pdf1=parabola=0.0116306, !pdf2=gauss=4.92157e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00888474, !pdf2=gauss=6.73721e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0199899), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

```
Parameter values:   a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.0201007
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.0201007)
```

```
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.57636e-74, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=2.0361e-61, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=2.96122e-63, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=1.95879e-61, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.72129e-70, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=1.23488e-66, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104399, !pdf2=gauss=1.27737e-53, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00776383, !pdf2=gauss=4.44802e-58, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=6.68419e-65, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00491026, !pdf2=gauss=2.17369e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.78282e-73, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0201007), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !
pdf1=parabola=0.00528433, !pdf2=gauss=7.61054e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0201007), !cacheObs=()
... (remaining 6 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

```

Parameter values:  a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.0198993
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.0198993)

```

```

RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=1.12823e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239911, !pdf2=gauss=2.9595e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=3.14626e-66, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00537403, !pdf2=gauss=5.62799e-63, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101623, !xprime=nullptr, !
pdf1=parabola=0.0115447, !pdf2=gauss=1.12246e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=9.8292e-77, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0198993), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101143, !xprime=nullptr, !
pdf1=parabola=0.0116306, !pdf2=gauss=1.63653e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00888474, !pdf2=gauss=2.0226e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0198993), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149497 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149497,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00556509, !pdf2=gauss=4.84566e-62, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239494, !pdf2=gauss=1.41311e-66, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00429945, !pdf2=gauss=6.75275e-64, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00555372, !pdf2=gauss=4.65985e-62, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00774896, !pdf2=gauss=1.14399e-58, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.0053642, !pdf2=gauss=2.43411e-62, !params=(a = -0.149497,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.149497,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.149497,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149472 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00556458, !pdf2=gauss=4.84566e-62, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !pdf1=parabola=0.00828306, !pdf2=gauss=8.37696e-58, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00429907, !pdf2=gauss=6.75275e-64, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !pdf1=parabola=0.00598471, !pdf2=gauss=2.07237e-61, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !pdf1=parabola=0.00651896, !pdf2=gauss=1.35119e-60, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00555321, !pdf2=gauss=4.65985e-62, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !pdf1=parabola=0.0102723, !pdf2=gauss=2.00943e-54, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !pdf1=parabola=0.00849477, !pdf2=gauss=1.86244e-57, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0985539, !xprime=nullptr, !pdf1=parabola=0.0120585, !pdf2=gauss=4.12891e-51, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !pdf1=parabola=0.00818921, !pdf2=gauss=5.89027e-58, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !pdf1=parabola=0.010346, !pdf2=gauss=2.71615e-54, !params=(a = -0.149472,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 14 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00828302, !pdf2=gauss=8.37696e-58, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00651893, !pdf2=gauss=1.35119e-60, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00712324, !pdf2=gauss=1.17086e-59, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00818917, !pdf2=gauss=5.89027e-58, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00556456, !pdf2=gauss=4.84566e-62, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00598468, !pdf2=gauss=2.07237e-61, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00555318, !pdf2=gauss=4.65985e-62, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102722, !pdf2=gauss=2.00943e-54, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00849473, !pdf2=gauss=1.86244e-57, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00712324, !pdf2=gauss=1.17086e-59, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0103459, !pdf2=gauss=2.71615e-54, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104175, !pdf2=gauss=3.64392e-54, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()


```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00774818, !pdf2=gauss=1.14399e-58, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00490089, !pdf2=gauss=5.05761e-63, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00704842, !pdf2=gauss=8.94118e-60, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
... (remaining 2 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239472, !pdf2=gauss=1.41311e-66, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102722, !pdf2=gauss=2.00943e-54, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00849473, !pdf2=gauss=1.86244e-57, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0103459, !pdf2=gauss=2.71615e-54, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104175, !pdf2=gauss=3.64392e-54, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00774818, !pdf2=gauss=1.14399e-58, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00490089, !pdf2=gauss=5.05761e-63, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101623, !xprime=nullptr, !
pdf1=parabola=0.0115193, !pdf2=gauss=3.82584e-52, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !

pdf1=parabola=0.00556456, !pdf2=gauss=4.84566e-62, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !

pdf1=parabola=0.00239472, !pdf2=gauss=1.41311e-66, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !

pdf1=parabola=0.00598468, !pdf2=gauss=2.07237e-61, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !

pdf1=parabola=0.00651893, !pdf2=gauss=1.35119e-60, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !

pdf1=parabola=0.00555318, !pdf2=gauss=4.65985e-62, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !

pdf1=parabola=0.0102722, !pdf2=gauss=2.00943e-54, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00185697, !pdf2=gauss=2.6033e-67, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !

pdf1=parabola=0.00712324, !pdf2=gauss=1.17086e-59, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !

pdf1=parabola=0.0103459, !pdf2=gauss=2.71615e-54, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !

pdf1=parabola=0.0104175, !pdf2=gauss=3.64392e-54, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 12 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

```
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00651893, !pdf2=gauss=1.35119e-60, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

```
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
```

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

```
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00556456, !pdf2=gauss=4.84566e-62, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239472, !pdf2=gauss=1.41311e-66, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00598468, !pdf2=gauss=2.07237e-61, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00651893, !pdf2=gauss=1.35119e-60, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00849473, !pdf2=gauss=1.86244e-57, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00712324, !pdf2=gauss=1.17086e-59, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00774818, !pdf2=gauss=1.14399e-58, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00490089, !pdf2=gauss=5.05761e-63, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00536368, !pdf2=gauss=2.43411e-62, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101623, !xprime=nullptr, !
pdf1=parabola=0.0115193, !pdf2=gauss=3.82584e-52, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00704842, !pdf2=gauss=8.94118e-60, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 3 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (-inf) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::null_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
```

```
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
```

```
pdf1=parabola=0.00556456, !pdf2=gauss=4.84566e-62, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
```

```
pdf1=parabola=0.00239472, !pdf2=gauss=1.41311e-66, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
```

```
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
```

```
pdf1=parabola=0.00828302, !pdf2=gauss=8.37696e-58, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
```

```
pdf1=parabola=0.00598468, !pdf2=gauss=2.07237e-61, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
```

```
pdf1=parabola=0.00651893, !pdf2=gauss=1.35119e-60, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
```

```
pdf1=parabola=0.00555318, !pdf2=gauss=4.65985e-62, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
```

```
pdf1=parabola=0.0102722, !pdf2=gauss=2.00943e-54, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
```

```
pdf1=parabola=0.0123531, !pdf2=gauss=1.56462e-50, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
```

```
pdf1=parabola=0.00849473, !pdf2=gauss=1.86244e-57, !params=(a = -0.149471,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
```

```
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

... (remaining 20 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.149471 b=0.15 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239472, !pdf2=gauss=1.41311e-66, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00598468, !pdf2=gauss=2.07237e-61, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00849473, !pdf2=gauss=1.86244e-57, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00185697, !pdf2=gauss=2.6033e-67, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.149471,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.145101 b=0.15 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547562, !pdf2=gauss=4.84566e-62, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00423187, !pdf2=gauss=6.75275e-64, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00641287, !pdf2=gauss=1.35119e-60, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00546445, !pdf2=gauss=4.65985e-62, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0100911, !pdf2=gauss=2.00943e-54, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.0018291, !pdf2=gauss=2.6033e-67, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0101632, !pdf2=gauss=2.71615e-54, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0102332, !pdf2=gauss=3.64392e-54, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.007619, !pdf2=gauss=1.14399e-58, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048235, !pdf2=gauss=5.05761e-63, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
... (remaining 3 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15511 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15511,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.15511,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.0024415, !pdf2=gauss=1.41311e-66, !params=(a = -0.15511,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00846325, !pdf2=gauss=8.37696e-58, !params=(a = -0.15511,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00836701, !pdf2=gauss=5.89027e-58, !params=(a = -0.15511,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.156665 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.156665,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.156665,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.0073494, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00429654, !pdf2=gauss=1.41311e-66, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00613155, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00733846, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0118642, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.010163, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.0037779, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00884728, !pdf2=gauss=1.17086e-59, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0119346, !pdf2=gauss=2.71615e-54, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0120031, !pdf2=gauss=3.64392e-54, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.0094471, !pdf2=gauss=1.14399e-58, !params=(a = -0.15,b = 0.156665,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 8 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.142582 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.142582,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00224801, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.142582,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00665114, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.142582,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.142582,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00586581, !pdf2=gauss=1.14399e-58, !params=(a = -0.15,b = 0.142582,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.0070425, !pdf2=gauss=7.69323e-57, !params=(a = -0.15,b = 0.142582,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.886965 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.886965,mean = -0.21,sigma =
0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.15,eps = 0.886965,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00565547, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00241296, !pdf2=gauss=1.41311e-66, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.15,b = 0.15,eps = 0.886965,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00849011, !pdf2=gauss=8.37696e-58, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00435366, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0971613, !xprime=nullptr, !
pdf1=parabola=0.0127997, !pdf2=gauss=1.20592e-50, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !
pdf1=parabola=0.0129504, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00564372, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0106042, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.0128625, !pdf2=gauss=1.56462e-50, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00871334, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.15,eps =
0.886965,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 23 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.15 b=0.15 eps=0.487839 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00550092, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00590943, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.0064273, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !
pdf1=parabola=0.0120069, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00548985, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00185269, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00701079, !pdf2=gauss=1.17086e-59, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00761153, !pdf2=gauss=1.14399e-58, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00774679, !pdf2=gauss=1.9273e-58, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00530522, !pdf2=gauss=2.43411e-62, !params=(a = -0.15,b = 0.15,eps = 0.487839,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 8 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.206 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.206,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=1.41778e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.206,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=1.36404e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.206,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.2341e-69, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.206,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=4.71604e-64, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.206,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00491026, !pdf2=gauss=1.51955e-61, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.206,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.121243, !xprime=nullptr, !
pdf1=parabola=0.00756083, !pdf2=gauss=1.46271e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.206,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.214 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.214,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=1.5912e-63, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.214,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0945875, !xprime=nullptr, !
pdf1=parabola=0.0127521, !pdf2=gauss=4.02335e-51, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.214,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=2.10938e-65, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.214,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00653178, !pdf2=gauss=4.61541e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.214,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0942843, !xprime=nullptr, !
pdf1=parabola=0.0128016, !pdf2=gauss=5.08314e-51, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.214,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=4.38467e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.214,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.021

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.021)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !pdf1=parabola=0.00537403, !pdf2=gauss=1.63778e-56, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.021), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.019

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=3.21931e-83, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00557533, !pdf2=gauss=8.77362e-69, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=2.05686e-85, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00430718, !pdf2=gauss=7.70568e-71, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0971613, !xprime=nullptr, !pdf1=parabola=0.0123236, !pdf2=gauss=3.71782e-56, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !pdf1=parabola=0.00599636, !pdf2=gauss=4.39009e-68, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !pdf1=parabola=0.00653178, !pdf2=gauss=3.505e-67, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !pdf1=parabola=0.0124611, !pdf2=gauss=7.4373e-56, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00556393, !pdf2=gauss=8.40162e-69, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !pdf1=parabola=0.00851215, !pdf2=gauss=1.0549e-63, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !pdf1=parabola=0.00186035, !pdf2=gauss=1.27067e-74, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !pdf1=parabola=0.00776383, !pdf2=gauss=4.79351e-65, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.019), !cacheObs=()

... (remaining 12 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.145101 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

```

RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
  function value is NAN @ parameters=(a = -0.145101,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547562, !pdf2=gauss=4.84566e-62, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00423187, !pdf2=gauss=6.75275e-64, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00641287, !pdf2=gauss=1.35119e-60, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00546445, !pdf2=gauss=4.65985e-62, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0100911, !pdf2=gauss=2.00943e-54, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.0018291, !pdf2=gauss=2.6033e-67, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0101632, !pdf2=gauss=2.71615e-54, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0102332, !pdf2=gauss=3.64392e-54, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.007619, !pdf2=gauss=1.14399e-58, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048235, !pdf2=gauss=5.05761e-63, !params=(a = -0.145101,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.145101,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
  ... (remaining 3 messages suppressed)

```

```

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values:  a=-0.144865  b=0.15 eps=0.68  mean=-0.21  sigma=0.02
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
  function value is NAN @ parameters=(a = -0.144865,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
  getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547083, !pdf2=gauss=4.84566e-62, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640715, !pdf2=gauss=1.35119e-60, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00545966, !pdf2=gauss=4.65985e-62, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0100813, !pdf2=gauss=2.00943e-54, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.0121107, !pdf2=gauss=1.56462e-50, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00834311, !pdf2=gauss=1.86244e-57, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.144865,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00804395, !pdf2=gauss=5.89027e-58, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00761204, !pdf2=gauss=1.14399e-58, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00307712, !pdf2=gauss=1.46704e-65, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00527367, !pdf2=gauss=2.43411e-62, !params=(a = -0.144865,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.144865,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
... (remaining 3 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.144854 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.144854,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00699932, !pdf2=gauss=1.17086e-59, !params=(a = -0.144854,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00481911, !pdf2=gauss=5.05761e-63, !params=(a = -0.144854,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.144854,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547058, !pdf2=gauss=4.84566e-62, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00545941, !pdf2=gauss=4.65985e-62, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.0083427, !pdf2=gauss=1.86244e-57, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00761167, !pdf2=gauss=1.14399e-58, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00307699, !pdf2=gauss=1.46704e-65, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.0077499, !pdf2=gauss=1.9273e-58, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048191, !pdf2=gauss=5.05761e-63, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00527343, !pdf2=gauss=2.43411e-62, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101623, !xprime=nullptr, !
pdf1=parabola=0.0112978, !pdf2=gauss=3.82584e-52, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 8 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.171568, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.82666e-78, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00182752, !pdf2=gauss=2.6033e-67, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00307698, !pdf2=gauss=1.46704e-65, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048191, !pdf2=gauss=5.05761e-63, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00527343, !pdf2=gauss=2.43411e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !
pdf1=parabola=0.00518557, !pdf2=gauss=1.79331e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00870644, !pdf2=gauss=7.69323e-57, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00235641, !pdf2=gauss=1.41311e-66, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.171568, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.82666e-78, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00182752, !pdf2=gauss=2.6033e-67, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00307698, !pdf2=gauss=1.46704e-65, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.0077499, !pdf2=gauss=1.9273e-58, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048191, !pdf2=gauss=5.05761e-63, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.159898, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.05235e-73, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0987799, !xprime=nullptr, !
pdf1=parabola=0.0117852, !pdf2=gauss=3.46813e-51, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00870644, !pdf2=gauss=7.69323e-57, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 2 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547058, !pdf2=gauss=4.84566e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00182752, !pdf2=gauss=2.6033e-67, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048191, !pdf2=gauss=5.05761e-63, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```


getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00692597, !pdf2=gauss=8.94118e-60, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00870644, !pdf2=gauss=7.69323e-57, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547058, !pdf2=gauss=4.84566e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00235641, !pdf2=gauss=1.41311e-66, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.171568, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.82666e-78, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00545941, !pdf2=gauss=4.65985e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00182752, !pdf2=gauss=2.6033e-67, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00699931, !pdf2=gauss=1.17086e-59, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00804356, !pdf2=gauss=5.89027e-58, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0102228, !pdf2=gauss=3.64392e-54, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 16 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !

pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !

pdf1=parabola=0.00761167, !pdf2=gauss=1.14399e-58, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !

pdf1=parabola=0.00307698, !pdf2=gauss=1.46704e-65, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !

pdf1=parabola=0.00870644, !pdf2=gauss=7.69323e-57, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.144853 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !

pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00182752, !pdf2=gauss=2.6033e-67, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !

pdf1=parabola=0.00307698, !pdf2=gauss=1.46704e-65, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.0048191, !pdf2=gauss=5.05761e-63, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00870644, !pdf2=gauss=7.69323e-57, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values:  a=-0.144853  b=0.15 eps=0.68  mean=-0.21  sigma=0.02
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
    function value is NAN @ parameters=(a = -0.144853,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00547058, !pdf2=gauss=4.84566e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00235641, !pdf2=gauss=1.41311e-66, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00422806, !pdf2=gauss=6.75275e-64, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00640685, !pdf2=gauss=1.35119e-60, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00545941, !pdf2=gauss=4.65985e-62, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.144853,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00182752, !pdf2=gauss=2.6033e-67, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00699931, !pdf2=gauss=1.17086e-59, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00761167, !pdf2=gauss=1.14399e-58, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
    getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00307698, !pdf2=gauss=1.46704e-65, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.0077499, !pdf2=gauss=1.9273e-58, !params=(a = -0.144853,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 10 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !

pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !

pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !

pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !

pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !

pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 4 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.162356 b=0.15 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00582681, !pdf2=gauss=4.84566e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00449713, !pdf2=gauss=6.75275e-64, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00683172, !pdf2=gauss=1.35119e-60, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00581484, !pdf2=gauss=4.65985e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00193916, !pdf2=gauss=2.6033e-67, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00746908, !pdf2=gauss=1.17086e-59, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00812916, !pdf2=gauss=1.14399e-58, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.0032689, !pdf2=gauss=1.46704e-65, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00827834, !pdf2=gauss=1.9273e-58, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00512911, !pdf2=gauss=5.05761e-63, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00561554, !pdf2=gauss=2.43411e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 5 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.
Parameter values: a=-0.15 b=0.163325 eps=0.68 mean=-0.21 sigma=0.02
RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]
function value is NAN @ parameters=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=1.36654e-05, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00910055, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00793179, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00909006, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.0117938, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00566902, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00684749, !pdf2=gauss=1.46704e-65, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.011239, !pdf2=gauss=1.9273e-58, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !
pdf1=parabola=0.00883263, !pdf2=gauss=1.79331e-62, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.0121338, !pdf2=gauss=7.69323e-57, !params=(a = -0.15,b = 0.163325,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.133003 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.133003,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0945875, !xprime=nullptr, !
pdf1=parabola=0.00898781, !pdf2=gauss=8.63138e-50, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00200338, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0860666, !xprime=nullptr, !
pdf1=parabola=0.0104921, !pdf2=gauss=5.1826e-47, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !
pdf1=parabola=0.00865613, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00386621, !pdf2=gauss=5.89027e-58, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=1.17065 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 1.17065,mean = -0.21,sigma =
0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00576531, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00875078, !pdf2=gauss=8.37696e-58, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00441738, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00621831, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00679856, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00575309, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0110291, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.0135225, !pdf2=gauss=1.56462e-50, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00187989, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00864542, !pdf2=gauss=5.89027e-58, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.0031903, !pdf2=gauss=1.46704e-65, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00830996, !pdf2=gauss=1.9273e-58, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 9 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.268922 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.268922,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00811255, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00980366, !pdf2=gauss=3.64392e-54, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00679768, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101143, !xprime=nullptr, !
pdf1=parabola=0.0108092, !pdf2=gauss=5.55695e-52, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00844484, !pdf2=gauss=7.69323e-57, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.200411 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=1.48274e-58, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=2.3292e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00599636, !pdf2=gauss=6.08575e-58, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00653178, !pdf2=gauss=3.76167e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()
```


getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00556393, !pdf2=gauss=1.42745e-58, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !pdf1=parabola=0.00186035, !pdf2=gauss=1.11433e-63, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !pdf1=parabola=0.00313342, !pdf2=gauss=5.62531e-62, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !pdf1=parabola=0.00491026, !pdf2=gauss=1.64914e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !pdf1=parabola=0.00537403, !pdf2=gauss=7.59424e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !pdf1=parabola=0.00528433, !pdf2=gauss=5.64332e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.219589 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.219589,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !pdf1=parabola=0.0124611, !pdf2=gauss=1.29999e-53, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.219589,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.0223971

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=8.58063e-60, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00557533, !pdf2=gauss=2.09892e-49, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !pdf1=parabola=0.00239911, !pdf2=gauss=5.07755e-53, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=2.26049e-61, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !pdf1=parabola=0.00829993, !pdf2=gauss=5.02525e-46, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=6.95228e-51, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00653178, !pdf2=gauss=2.98212e-48, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=2.03449e-49, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=1.31778e-53, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00713744, !pdf2=gauss=1.66846e-47, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00776383, !pdf2=gauss=1.02725e-46, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=3.28113e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
... (remaining 6 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.0176029

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0176029)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.10934e-97, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.41783e-99, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00599636, !pdf2=gauss=2.1922e-79, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102942, !pdf2=gauss=2.29033e-70, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00851215, !pdf2=gauss=2.7836e-74, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0103681, !pdf2=gauss=3.37949e-70, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104399, !pdf2=gauss=4.93844e-70, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00776383, !pdf2=gauss=7.59408e-76, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00790528, !pdf2=gauss=1.48901e-75, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00491026, !pdf2=gauss=1.81667e-81, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0907675, !xprime=nullptr, !
pdf1=parabola=0.0133602, !pdf2=gauss=9.14505e-63, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00537403, !pdf2=gauss=1.38096e-80, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
... (remaining 5 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 4 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138396 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138396,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.138396,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.0041288, !pdf2=gauss=6.75275e-64, !params=(a = -0.138396,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00625014, !pdf2=gauss=1.35119e-60, !params=(a = -0.138396,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00300619, !pdf2=gauss=1.46704e-65, !params=(a = -0.138396,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0997661, !xprime=nullptr, !
pdf1=parabola=0.011297, !pdf2=gauss=1.61784e-51, !params=(a = -0.138396,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.138396,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138373 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138373,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138373,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.0079284, !pdf2=gauss=8.37696e-58, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00412844, !pdf2=gauss=6.75275e-64, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0971613, !xprime=nullptr, !
pdf1=parabola=0.0117156, !pdf2=gauss=1.20592e-50, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138373,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138373,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.00981231, !pdf2=gauss=2.00943e-54, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.0081294, !pdf2=gauss=1.86244e-57, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00178619, !pdf2=gauss=2.6033e-67, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.00988189, !pdf2=gauss=2.71615e-54, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00994948, !pdf2=gauss=3.64392e-54, !params=(a = -0.138373,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.17862, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.05614e-81, !params=(a = -0.138373,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
... (remaining 5 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138372 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138372,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00533868, !pdf2=gauss=4.84566e-62, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00230264, !pdf2=gauss=1.41311e-66, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00412843, !pdf2=gauss=6.75275e-64, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138372,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00624954, !pdf2=gauss=1.35119e-60, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00532782, !pdf2=gauss=4.65985e-62, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.0117691, !pdf2=gauss=1.56462e-50, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00682539, !pdf2=gauss=1.17086e-59, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.138372,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00848198, !pdf2=gauss=7.69323e-57, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (0) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138372 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138372,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138372,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00533868, !pdf2=gauss=4.84566e-62, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00230264, !pdf2=gauss=1.41311e-66, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00412843, !pdf2=gauss=6.75275e-64, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138372,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00573986, !pdf2=gauss=2.07237e-61, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00624954, !pdf2=gauss=1.35119e-60, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.171568, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.82666e-78, !params=(a = -0.138372,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00532781, !pdf2=gauss=4.65985e-62, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.00981226, !pdf2=gauss=2.00943e-54, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138372,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00178618, !pdf2=gauss=2.6033e-67, !params=(a = -0.138372,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 17 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.149357 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.149357,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.149357,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00556225, !pdf2=gauss=4.84566e-62, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239377, !pdf2=gauss=1.41311e-66, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00827939, !pdf2=gauss=8.37696e-58, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.0042973, !pdf2=gauss=6.75275e-64, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00598218, !pdf2=gauss=2.07237e-61, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00555088, !pdf2=gauss=4.65985e-62, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102675, !pdf2=gauss=2.00943e-54, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00849099, !pdf2=gauss=1.86244e-57, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00185625, !pdf2=gauss=2.6033e-67, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00712019, !pdf2=gauss=1.17086e-59, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0103412, !pdf2=gauss=2.71615e-54, !params=(a = -0.149357,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 7 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

```
Parameter values:  a=-0.149968  b=0.15 eps=0.68      mean=-0.21  sigma=0.02
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.149968,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.149968,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.149968,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186014, !pdf2=gauss=2.6033e-67, !params=(a = -0.149968,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !
pdf1=parabola=0.00528371, !pdf2=gauss=1.79331e-62, !params=(a = -0.149968,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.
Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

```
Parameter values:  a=-0.149998  b=0.15 eps=0.68      mean=-0.21  sigma=0.02
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.149998,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.149998,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.0055753, !pdf2=gauss=4.84566e-62, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239909, !pdf2=gauss=1.41311e-66, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00829988, !pdf2=gauss=8.37696e-58, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430716, !pdf2=gauss=6.75275e-64, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```



```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00599632, !pdf2=gauss=2.07237e-61, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00653174, !pdf2=gauss=1.35119e-60, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.0055639, !pdf2=gauss=4.65985e-62, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.0085121, !pdf2=gauss=1.86244e-57, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.149998,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0985539, !xprime=nullptr, !
pdf1=parabola=0.0120853, !pdf2=gauss=4.12891e-51, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186034, !pdf2=gauss=2.6033e-67, !params=(a = -0.149998,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 15 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

```

Parameter values:   a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.02
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !
pdf1=parabola=0.0124611, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102942, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0985539, !xprime=nullptr, !
pdf1=parabola=0.0120854, !pdf2=gauss=4.12891e-51, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104399, !pdf2=gauss=3.64392e-54, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=1.46704e-65, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0987799, !xprime=nullptr, !
pdf1=parabola=0.0120463, !pdf2=gauss=3.46813e-51, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00706245, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
... (remaining 5 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

```
Parameter values:   a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.02
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)
RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239911, !pdf2=gauss=1.41311e-66, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.75119e-77, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00653178, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !
pdf1=parabola=0.0124611, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00851215, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00713744, !pdf2=gauss=1.17086e-59, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00706246, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
... (remaining 2 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 4 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.162356 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00582681, !pdf2=gauss=4.84566e-62, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00449713, !pdf2=gauss=6.75275e-64, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00683172, !pdf2=gauss=1.35119e-60, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00581484, !pdf2=gauss=4.65985e-62, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00193916, !pdf2=gauss=2.6033e-67, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00746908, !pdf2=gauss=1.17086e-59, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00812916, !pdf2=gauss=1.14399e-58, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.0032689, !pdf2=gauss=1.46704e-65, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00827834, !pdf2=gauss=1.9273e-58, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00512911, !pdf2=gauss=5.05761e-63, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00561554, !pdf2=gauss=2.43411e-62, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 5 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.163325 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !

pdf1=parabola=1.36654e-05, !pdf2=gauss=4.54349e-75, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !

pdf1=parabola=0.00910055, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00793179, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !

pdf1=parabola=0.00909006, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.0117938, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00566902, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !

pdf1=parabola=0.00684749, !pdf2=gauss=1.46704e-65, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !

pdf1=parabola=0.011239, !pdf2=gauss=1.9273e-58, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !

pdf1=parabola=0.00883263, !pdf2=gauss=1.79331e-62, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !

pdf1=parabola=0.0121338, !pdf2=gauss=7.69323e-57, !params=(a = -0.15,b = 0.163325,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.133003 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.133003,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0945875, !xprime=nullptr, !

pdf1=parabola=0.00898781, !pdf2=gauss=8.63138e-50, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00200338, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0860666, !xprime=nullptr, !
pdf1=parabola=0.0104921, !pdf2=gauss=5.1826e-47, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !
pdf1=parabola=0.00865613, !pdf2=gauss=2.25469e-50, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.133003,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00386621, !pdf2=gauss=5.89027e-58, !params=(a = -0.15,b = 0.133003,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=1.17065 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 1.17065,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00576531, !pdf2=gauss=4.84566e-62, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00875078, !pdf2=gauss=8.37696e-58, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00441738, !pdf2=gauss=6.75275e-64, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00621831, !pdf2=gauss=2.07237e-61, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00679856, !pdf2=gauss=1.35119e-60, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00575309, !pdf2=gauss=4.65985e-62, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0110291, !pdf2=gauss=2.00943e-54, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.096822, !xprime=nullptr, !
pdf1=parabola=0.0135225, !pdf2=gauss=1.56462e-50, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00187989, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.118353, !xprime=nullptr, !
pdf1=parabola=0.00864542, !pdf2=gauss=5.89027e-58, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.0031903, !pdf2=gauss=1.46704e-65, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00830996, !pdf2=gauss=1.9273e-58, !params=(a = -0.15,b = 0.15,eps =
1.17065,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 9 messages suppressed)
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.268922 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.268922,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00811255, !pdf2=gauss=1.86244e-57, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00980366, !pdf2=gauss=3.64392e-54, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123416, !xprime=nullptr, !
pdf1=parabola=0.00679768, !pdf2=gauss=8.94118e-60, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.101143, !xprime=nullptr, !
pdf1=parabola=0.0108092, !pdf2=gauss=5.55695e-52, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.115208, !xprime=nullptr, !
pdf1=parabola=0.00844484, !pdf2=gauss=7.69323e-57, !params=(a = -0.15,b = 0.15,eps =
0.268922,mean = -0.21,sigma = 0.02), !cacheObs=()
```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.200411 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00557533, !pdf2=gauss=1.48274e-58, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()
```

```
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=2.3292e-60, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()
```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !pdf1=parabola=0.00599636, !pdf2=gauss=6.08575e-58, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !pdf1=parabola=0.00653178, !pdf2=gauss=3.76167e-57, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00556393, !pdf2=gauss=1.42745e-58, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !pdf1=parabola=0.00186035, !pdf2=gauss=1.11433e-63, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !pdf1=parabola=0.00313342, !pdf2=gauss=5.62531e-62, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !pdf1=parabola=0.00491026, !pdf2=gauss=1.64914e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !pdf1=parabola=0.00537403, !pdf2=gauss=7.59424e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130786, !xprime=nullptr, !pdf1=parabola=0.00528433, !pdf2=gauss=5.64332e-59, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.200411,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.219589 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.219589,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0963453, !xprime=nullptr, !pdf1=parabola=0.0124611, !pdf2=gauss=1.29999e-53, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.219589,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.0223971

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=8.58063e-60, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00557533, !pdf2=gauss=2.09892e-49, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()


```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.141702, !xprime=nullptr, !
pdf1=parabola=0.00239911, !pdf2=gauss=5.07755e-53, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.26049e-61, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.117924, !xprime=nullptr, !
pdf1=parabola=0.00829993, !pdf2=gauss=5.02525e-46, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00430718, !pdf2=gauss=6.95228e-51, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00653178, !pdf2=gauss=2.98212e-48, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00556393, !pdf2=gauss=2.03449e-49, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=1.31778e-53, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00713744, !pdf2=gauss=1.66846e-47, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00776383, !pdf2=gauss=1.02725e-46, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.00313342, !pdf2=gauss=3.28113e-52, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0223971), !cacheObs=()
... (remaining 6 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

```

Parameter values:   a=-0.15      b=0.15 eps=0.68      mean=-0.21  sigma=0.0176029
RooNLLVar::nll_par_gauss_data[ parameters=(a,b,eps,mean,sigma) ]
function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma =
0.0176029)

```

```

RooFFTConvPdf::par_gauss[ parabola(dE) (*) gauss(dE) ]

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.10934e-97, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.168136, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.41783e-99, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.127902, !xprime=nullptr, !
pdf1=parabola=0.00599636, !pdf2=gauss=2.1922e-79, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.108289, !xprime=nullptr, !
pdf1=parabola=0.0102942, !pdf2=gauss=2.29033e-70, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00851215, !pdf2=gauss=2.7836e-74, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.0103681, !pdf2=gauss=3.37949e-70, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.0104399, !pdf2=gauss=4.93844e-70, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00776383, !pdf2=gauss=7.59408e-76, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00790528, !pdf2=gauss=1.48901e-75, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00491026, !pdf2=gauss=1.81667e-81, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.0907675, !xprime=nullptr, !
pdf1=parabola=0.0133602, !pdf2=gauss=9.14505e-63, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00537403, !pdf2=gauss=1.38096e-80, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.0176029), !cacheObs=()
... (remaining 5 messages suppressed)

```

FCN=0 FROM MIGRAD STATUS=INITIATE 83 CALLS 84 TOTAL

EDM= unknown STRATEGY= 1 NO ERROR MATRIX

EXT	PARAMETER	CURRENT GUESS	STEP	FIRST
NO.	NAME	VALUE	ERROR	SIZE
1	a	-1.50000e-01	5.00000e-03	0.00000e+00
2	b	1.50000e-01	7.00000e-03	0.00000e+00
3	eps	6.80000e-01	1.99000e-01	0.00000e+00
4	mean	-2.10000e-01	4.00000e-03	0.00000e+00
5	sigma	2.00000e-02	1.00000e-03	0.00000e+00

ERR DEF= 0.5

MIGRAD MINIMIZATION HAS CONVERGED.

MIGRAD WILL VERIFY CONVERGENCE AND ERROR MATRIX.

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 4 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.162356 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00582681, !pdf2=gauss=4.84566e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00449713, !pdf2=gauss=6.75275e-64, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !pdf1=parabola=0.00683172, !pdf2=gauss=1.35119e-60, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00581484, !pdf2=gauss=4.65985e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !pdf1=parabola=0.00193916, !pdf2=gauss=2.6033e-67, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !pdf1=parabola=0.00746908, !pdf2=gauss=1.17086e-59, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !pdf1=parabola=0.00812916, !pdf2=gauss=1.14399e-58, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !pdf1=parabola=0.0032689, !pdf2=gauss=1.46704e-65, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !pdf1=parabola=0.00827834, !pdf2=gauss=1.9273e-58, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !pdf1=parabola=0.00512911, !pdf2=gauss=5.05761e-63, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !pdf1=parabola=0.00561554, !pdf2=gauss=2.43411e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 5 messages suppressed)

MINUIT WARNING IN HESSE

===== Second derivative zero for parameter1

MNHESSE FAILS AND WILL RETURN DIAGONAL MATRIX.

FCN=294.115 FROM HESSE STATUS=FAILED 3 CALLS 87 TOTAL

EDM=0 STRATEGY= 1 ERROR MATRIX UNCERTAINTY 100.0 per cent

EXT NO.	PARAMETER NAME	VALUE	APPROXIMATE ERROR	STEP SIZE	FIRST DERIVATIVE
1	a	-1.50000e-01	5.04942e-04	0.00000e+00	0.00000e+00
2	b	1.50000e-01	6.51877e-04	0.00000e+00	0.00000e+00
3	eps	6.80000e-01	1.93861e-02	0.00000e+00	0.00000e+00
4	mean	-2.10000e-01	4.12283e-04	0.00000e+00	0.00000e+00

5 sigma 2.00000e-02 1.03071e-04 0.00000e+00 0.00000e+00

ERR DEF= 0.5

MIGRAD MINIMIZATION HAS CONVERGED.

MIGRAD WILL VERIFY CONVERGENCE AND ERROR MATRIX.

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !

pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !

pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 4 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.162356 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00582681, !pdf2=gauss=4.84566e-62, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00449713, !pdf2=gauss=6.75275e-64, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !
pdf1=parabola=0.00683172, !pdf2=gauss=1.35119e-60, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.00581484, !pdf2=gauss=4.65985e-62, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00193916, !pdf2=gauss=2.6033e-67, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !
pdf1=parabola=0.00746908, !pdf2=gauss=1.17086e-59, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !
pdf1=parabola=0.00812916, !pdf2=gauss=1.14399e-58, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !
pdf1=parabola=0.0032689, !pdf2=gauss=1.46704e-65, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00827834, !pdf2=gauss=1.9273e-58, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !
pdf1=parabola=0.00512911, !pdf2=gauss=5.05761e-63, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00561554, !pdf2=gauss=2.43411e-62, !params=(a = -0.162356,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()
... (remaining 5 messages suppressed)

```

MINUIT WARNING IN HESSE

```

===== Second derivative zero for parameter1
MNHESS FAILS AND WILL RETURN DIAGONAL MATRIX.
FCN=294.115 FROM MIGRAD STATUS=CONVERGED 89 CALLS 90 TOTAL
EDM=0 STRATEGY= 1 ERROR MATRIX UNCERTAINTY 100.0 per cent
EXT PARAMETER APPROXIMATE STEP FIRST
NO. NAME VALUE ERROR SIZE DERIVATIVE
1 a -1.50000e-01 5.04942e-04 0.00000e+00 0.00000e+00
2 b 1.50000e-01 6.51877e-04 0.00000e+00 0.00000e+00
3 eps 6.80000e-01 1.93861e-02 0.00000e+00 0.00000e+00
4 mean -2.10000e-01 4.12283e-04 0.00000e+00 0.00000e+00
5 sigma 2.00000e-02 1.03071e-04 0.00000e+00 0.00000e+00
ERR DEF= 0.5

```

```

EXTERNAL ERROR MATRIX. NDIM= 25 NPAR= 5 ERR DEF=0.5
2.550e-07 0.000e+00 0.000e+00 0.000e+00 0.000e+00
0.000e+00 4.250e-07 0.000e+00 0.000e+00 0.000e+00
0.000e+00 0.000e+00 3.759e-04 0.000e+00 0.000e+00
0.000e+00 0.000e+00 0.000e+00 1.700e-07 0.000e+00
0.000e+00 0.000e+00 0.000e+00 0.000e+00 1.063e-08

```

ERR MATRIX APPROXIMATE

```

PARAMETER CORRELATION COEFFICIENTS
NO. GLOBAL 1 2 3 4 5
1 0.00000 1.000 0.000 0.000 0.000 0.000
2 0.00000 0.000 1.000 0.000 0.000 0.000
3 0.00000 0.000 0.000 1.000 0.000 0.000
4 0.00000 0.000 0.000 0.000 1.000 0.000
5 0.00000 0.000 0.000 0.000 0.000 1.000

```

ERR MATRIX APPROXIMATE

```

*****
** 7 **HESSE 2500
*****

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !
pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15,b = 0.15,eps =
0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

```

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15,b = 0.15,eps = 0.68,mean = -
0.21,sigma = 0.02), !cacheObs=()

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !

pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !

pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !

pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !

pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !

pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !

pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !

pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 4 messages suppressed)

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.162356 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00582681, !pdf2=gauss=4.84566e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00449713, !pdf2=gauss=6.75275e-64, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !pdf1=parabola=0.00683172, !pdf2=gauss=1.35119e-60, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00581484, !pdf2=gauss=4.65985e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !pdf1=parabola=0.00193916, !pdf2=gauss=2.6033e-67, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !pdf1=parabola=0.00746908, !pdf2=gauss=1.17086e-59, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !pdf1=parabola=0.00812916, !pdf2=gauss=1.14399e-58, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !pdf1=parabola=0.0032689, !pdf2=gauss=1.46704e-65, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !pdf1=parabola=0.00827834, !pdf2=gauss=1.9273e-58, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !pdf1=parabola=0.00512911, !pdf2=gauss=5.05761e-63, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !pdf1=parabola=0.00561554, !pdf2=gauss=2.43411e-62, !params=(a = -0.162356,b = 0.15,eps = 0.68,mean = -0.21,sigma = 0.02), !cacheObs=()

... (remaining 5 messages suppressed)

MINUIT WARNING IN HESSE

===== Second derivative zero for parameter1

MNHESSE FAILS AND WILL RETURN DIAGONAL MATRIX.

FCN=294.115 FROM HESSE STATUS=FAILED 3 CALLS 93 TOTAL

EDM=0 STRATEGY= 1 ERROR MATRIX UNCERTAINTY 100.0 per cent

EXT PARAMETER APPROXIMATE INTERNAL INTERNAL

NO. NAME VALUE ERROR STEP SIZE VALUE

1	a	-1.62356e-01	1.23545e-02	0.00000e+00	2.01358e-01
2	b	1.50000e-01	6.51877e-04	0.00000e+00	4.42911e-01
3	eps	6.80000e-01	1.93861e-02	0.00000e+00	-3.32739e-01
4	mean	-2.10000e-01	4.12283e-04	0.00000e+00	6.66134e-16

5 sigma 2.00000e-02 1.03071e-04 0.00000e+00 0.00000e+00

ERR DEF= 0.5

EXTERNAL ERROR MATRIX. NDIM= 25 NPAR= 5 ERR DEF=0.5

2.550e-07 0.000e+00 0.000e+00 0.000e+00 0.000e+00

0.000e+00 4.250e-07 0.000e+00 0.000e+00 0.000e+00

0.000e+00 0.000e+00 3.759e-04 0.000e+00 0.000e+00

0.000e+00 0.000e+00 0.000e+00 1.700e-07 0.000e+00

0.000e+00 0.000e+00 0.000e+00 0.000e+00 1.063e-08

ERR MATRIX APPROXIMATE

PARAMETER CORRELATION COEFFICIENTS

NO. GLOBAL 1 2 3 4 5

1 0.00000 1.000 0.000 0.000 0.000 0.000

2 0.00000 0.000 1.000 0.000 0.000 0.000

3 0.00000 0.000 0.000 1.000 0.000 0.000

4 0.00000 0.000 0.000 0.000 1.000 0.000

5 0.00000 0.000 0.000 0.000 0.000 1.000

ERR MATRIX APPROXIMATE

** 8 **SET ERR 0.5

** 9 **SET PRINT 1

** 10 **HESSE 2500

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.15 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.15 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !

pdf1=parabola=0.00186035, !pdf2=gauss=2.6033e-67, !params=(a = -0.15 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.165472, !xprime=nullptr, !

pdf1=parabola=0, !pdf2=gauss=5.84332e-76, !params=(a = -0.15 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.138869 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.138869 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

```

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.163281, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=4.54349e-75, !params=(a = -0.138869 +/- 0.0123545,b = 0.15 +/-
0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !
pdf1=parabola=0.00534879, !pdf2=gauss=4.84566e-62, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178653, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=1.99126e-81, !params=(a = -0.138869 +/- 0.0123545,b = 0.15 +/-
0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !
pdf1=parabola=0.00413607, !pdf2=gauss=6.75275e-64, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.178238, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=2.97949e-81, !params=(a = -0.138869 +/- 0.0123545,b = 0.15 +/-
0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.179863, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=6.1336e-82, !params=(a = -0.138869 +/- 0.0123545,b = 0.15 +/-
0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !
pdf1=parabola=0.0053379, !pdf2=gauss=4.65985e-62, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.116948, !xprime=nullptr, !
pdf1=parabola=0.00814572, !pdf2=gauss=1.86244e-57, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !
pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.138869 +/- 0.0123545,b = 0.15 +/-
0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10791, !xprime=nullptr, !
pdf1=parabola=0.00990261, !pdf2=gauss=2.71615e-54, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.10754, !xprime=nullptr, !
pdf1=parabola=0.00997038, !pdf2=gauss=3.64392e-54, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !
pdf1=parabola=0.00756927, !pdf2=gauss=1.9273e-58, !params=(a = -0.138869 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
... (remaining 4 messages suppressed)

```

RooAbsMinimizerFcn: Minimized function has error status.

Returning maximum FCN so far (294.115) to force MIGRAD to back out of this region. Error log follows.

Parameter values: a=-0.162356 b=0.15 eps=0.68 mean=-0.21 sigma=0.02

RooNLLVar::nll_par_gauss_data[parameters=(a,b,eps,mean,sigma)]

function value is NAN @ parameters=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071)

RooFFTConvPdf::par_gauss[parabola(dE) (*) gauss(dE)]

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129618, !xprime=nullptr, !pdf1=parabola=0.00582681, !pdf2=gauss=4.84566e-62, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.134614, !xprime=nullptr, !pdf1=parabola=0.00449713, !pdf2=gauss=6.75275e-64, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.125675, !xprime=nullptr, !pdf1=parabola=0.00683172, !pdf2=gauss=1.35119e-60, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.129664, !xprime=nullptr, !pdf1=parabola=0.00581484, !pdf2=gauss=4.65985e-62, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.153623, !xprime=nullptr, !pdf1=parabola=0, !pdf2=gauss=3.31771e-71, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.143621, !xprime=nullptr, !pdf1=parabola=0.00193916, !pdf2=gauss=2.6033e-67, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.123092, !xprime=nullptr, !pdf1=parabola=0.00746908, !pdf2=gauss=1.17086e-59, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.120343, !xprime=nullptr, !pdf1=parabola=0.00812916, !pdf2=gauss=1.14399e-58, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.139031, !xprime=nullptr, !pdf1=parabola=0.0032689, !pdf2=gauss=1.46704e-65, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.119711, !xprime=nullptr, !pdf1=parabola=0.00827834, !pdf2=gauss=1.9273e-58, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.132269, !xprime=nullptr, !pdf1=parabola=0.00512911, !pdf2=gauss=5.05761e-63, !params=(a = -0.162356 +/- 0.0123545,b = 0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/- 0.000103071), !cacheObs=()

getLogVal() top-level p.d.f evaluates to zero @ !x=dE=0.130428, !xprime=nullptr, !
pdf1=parabola=0.00561554, !pdf2=gauss=2.43411e-62, !params=(a = -0.162356 +/- 0.0123545,b =
0.15 +/- 0.000651877,eps = 0.68 +/- 0.0193861,mean = -0.21 +/- 0.000412283,sigma = 0.02 +/-
0.000103071), !cacheObs=()
... (remaining 5 messages suppressed)

MINUIT WARNING IN HESSE

===== Second derivative zero for parameter1

MNHESSE FAILS AND WILL RETURN DIAGONAL MATRIX.

FCN=294.115 FROM HESSE STATUS=FAILED 3 CALLS 96 TOTAL

EDM=0 STRATEGY= 1 ERROR MATRIX UNCERTAINTY 100.0 per cent

EXT PARAMETER APPROXIMATE INTERNAL INTERNAL

NO. NAME VALUE ERROR STEP SIZE VALUE

1	a	-1.62356e-01	1.23545e-02	0.00000e+00	2.01358e-01
2	b	1.50000e-01	6.51877e-04	0.00000e+00	4.42911e-01
3	eps	6.80000e-01	1.93861e-02	0.00000e+00	-3.32739e-01
4	mean	-2.10000e-01	4.12283e-04	0.00000e+00	6.66134e-16
5	sigma	2.00000e-02	1.03071e-04	0.00000e+00	0.00000e+00

ERR DEF= 0.5

EXTERNAL ERROR MATRIX. NDIM= 25 NPAR= 5 ERR DEF=0.5

2.550e-07	0.000e+00	0.000e+00	0.000e+00	0.000e+00
0.000e+00	4.250e-07	0.000e+00	0.000e+00	0.000e+00
0.000e+00	0.000e+00	3.759e-04	0.000e+00	0.000e+00
0.000e+00	0.000e+00	0.000e+00	1.700e-07	0.000e+00
0.000e+00	0.000e+00	0.000e+00	0.000e+00	1.063e-08

ERR MATRIX APPROXIMATE

PARAMETER CORRELATION COEFFICIENTS

NO.	GLOBAL	1	2	3	4	5
1	0.00000	1.000	0.000	0.000	0.000	0.000
2	0.00000	0.000	1.000	0.000	0.000	0.000
3	0.00000	0.000	0.000	1.000	0.000	0.000
4	0.00000	0.000	0.000	0.000	1.000	0.000
5	0.00000	0.000	0.000	0.000	0.000	1.000

ERR MATRIX APPROXIMATE

[#1] INFO:Minimization -- RooAbsMinimizerFcn::setOptimizeConst: deactivating const optimization

[#1] INFO:NumericIntegration -- RooRealIntegral::init(parabola_Int[dE]) using numeric integrator RooIntegrator1D to calculate Int(dE)

[#1] INFO:Caching -- RooAbsCachedPdf::getCache(par_gauss) creating new cache 0x564766e89bd0 with pdf parabola_CONV_gauss_CACHE_Obs[dE]_NORM_dE for nset (dE) with code 0

Info in <TCanvas::Print>: pdf file check.pdf has been created

chi2 de=3.72754