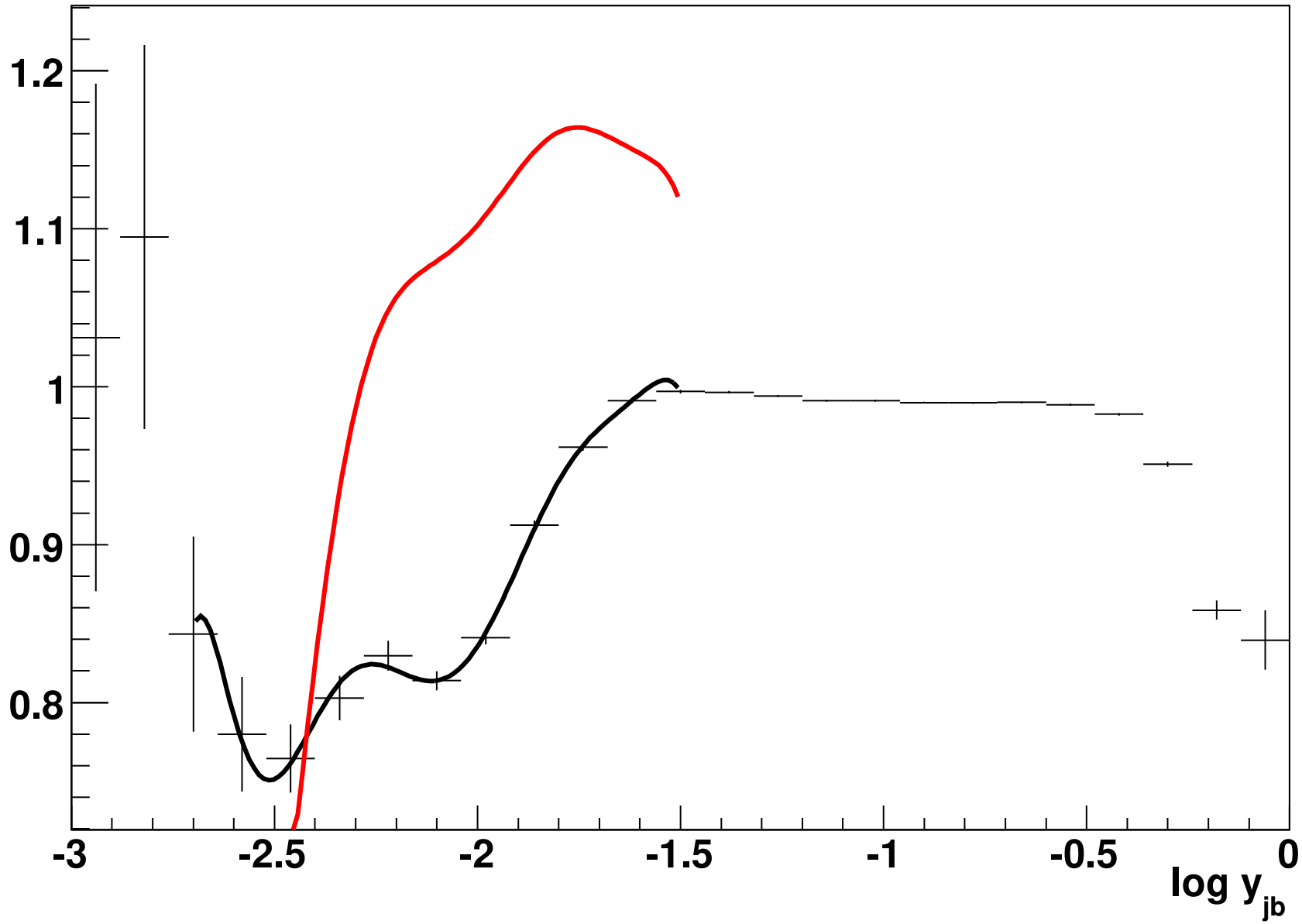central vertex efficiency ratio DATA/MC