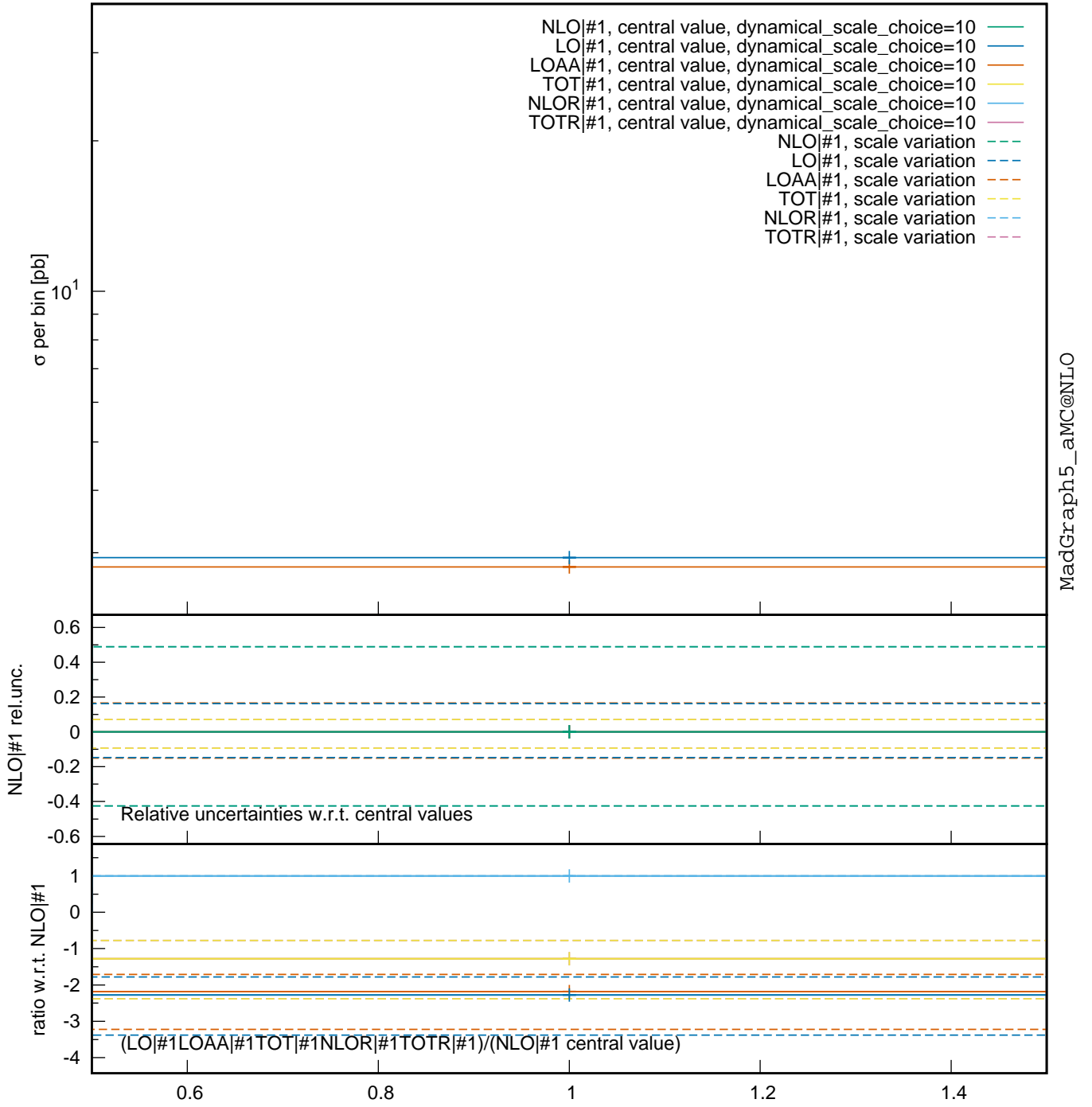


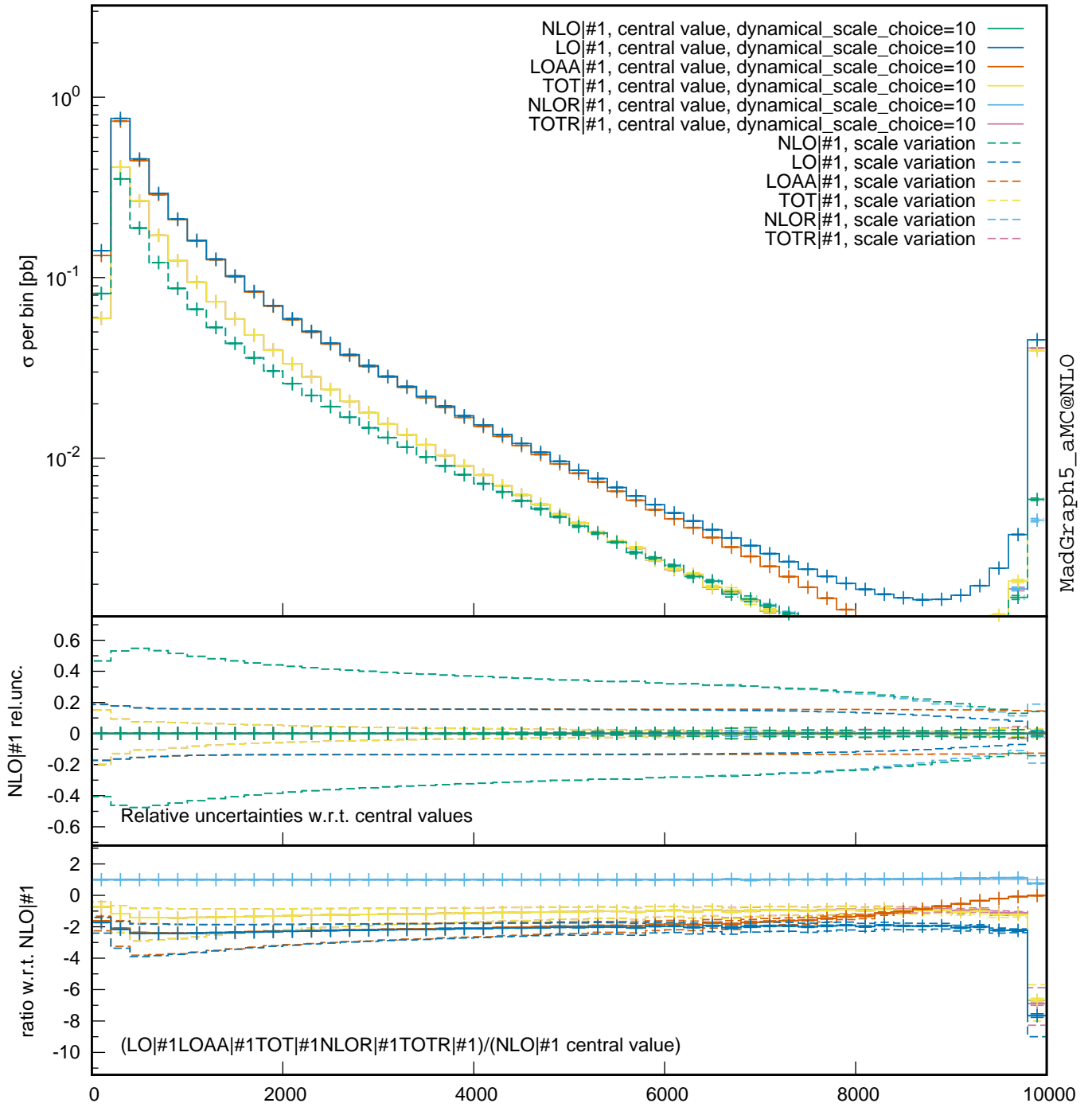
# total rate



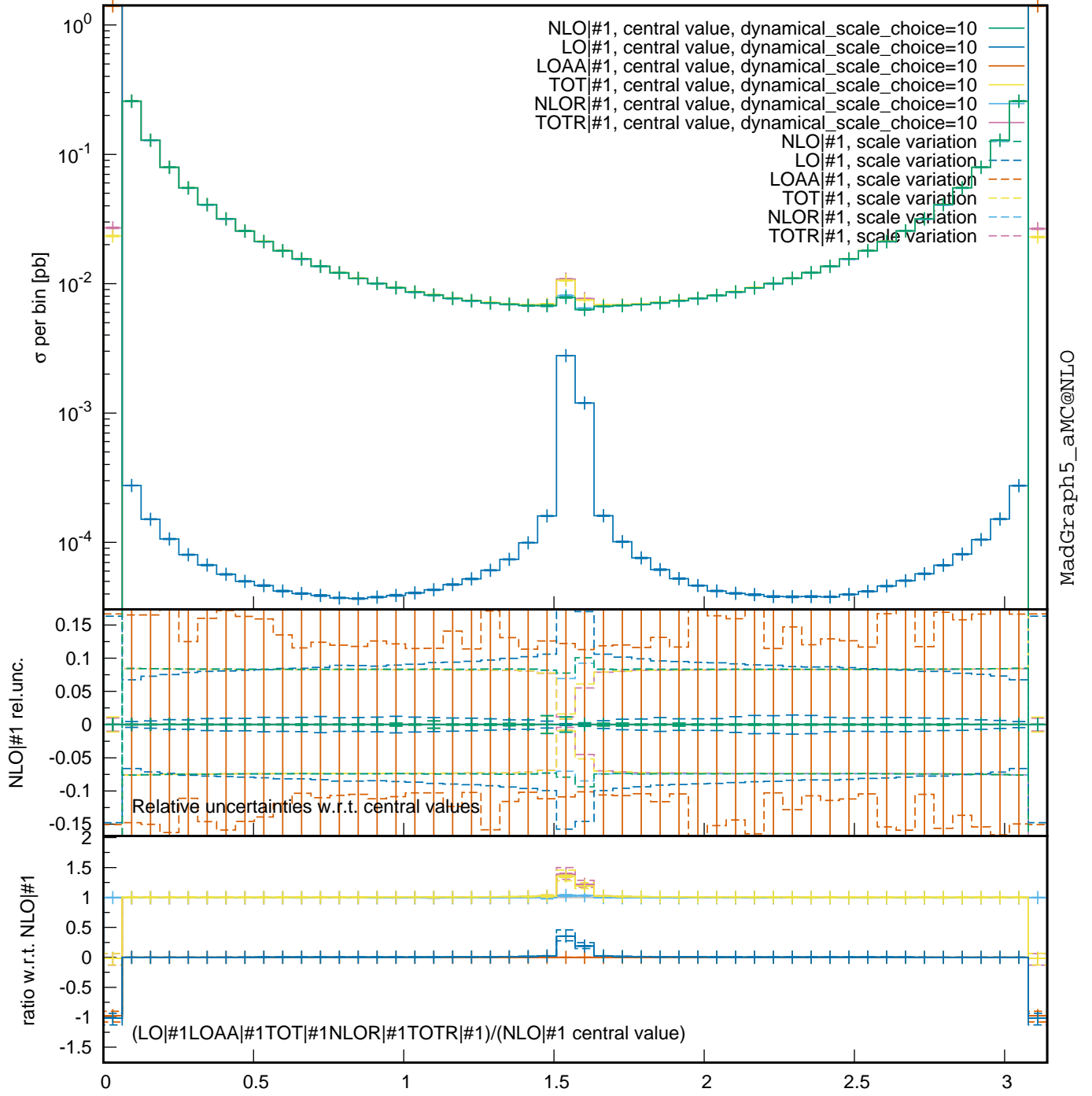
# total rate real



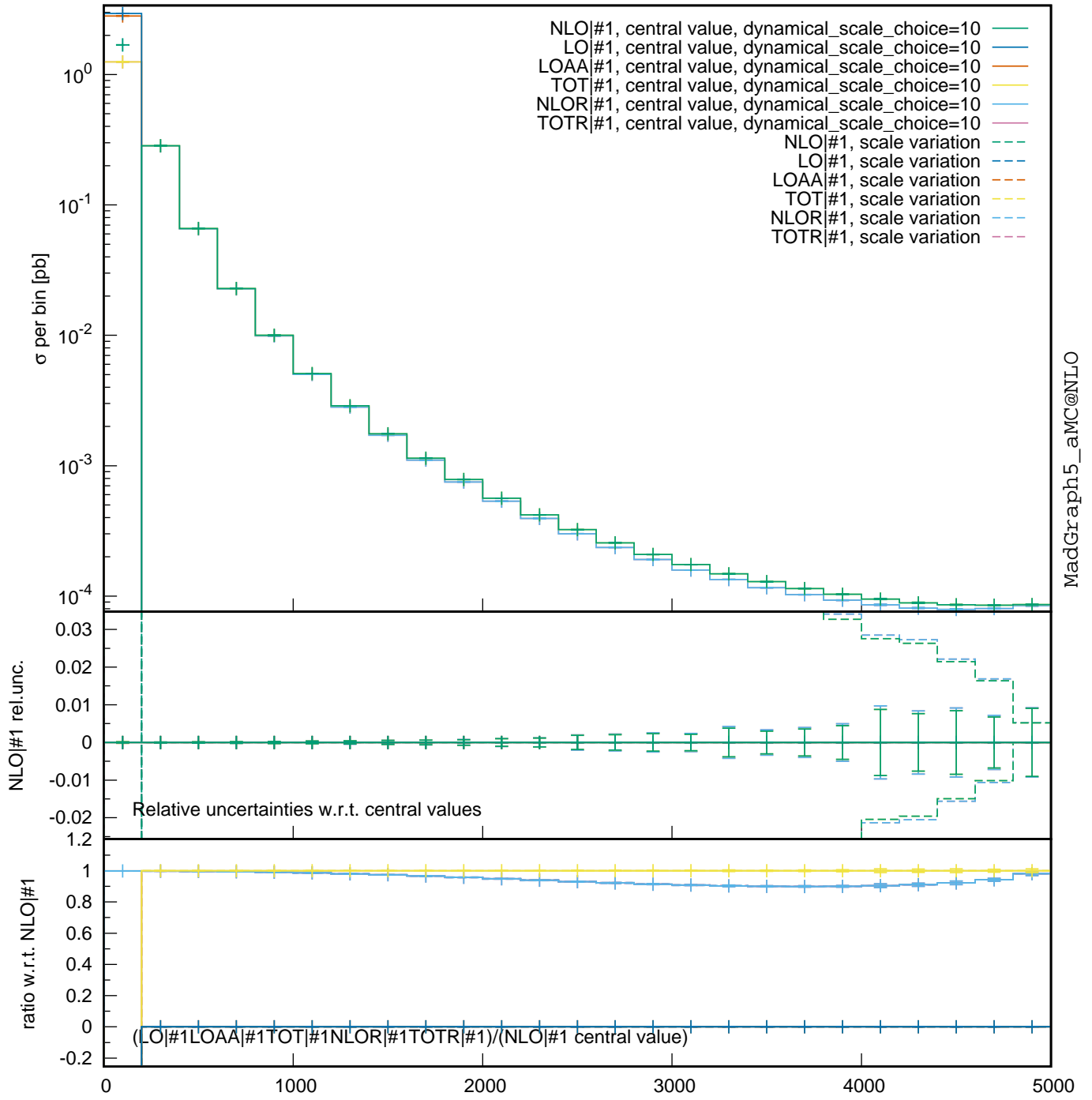
mtt



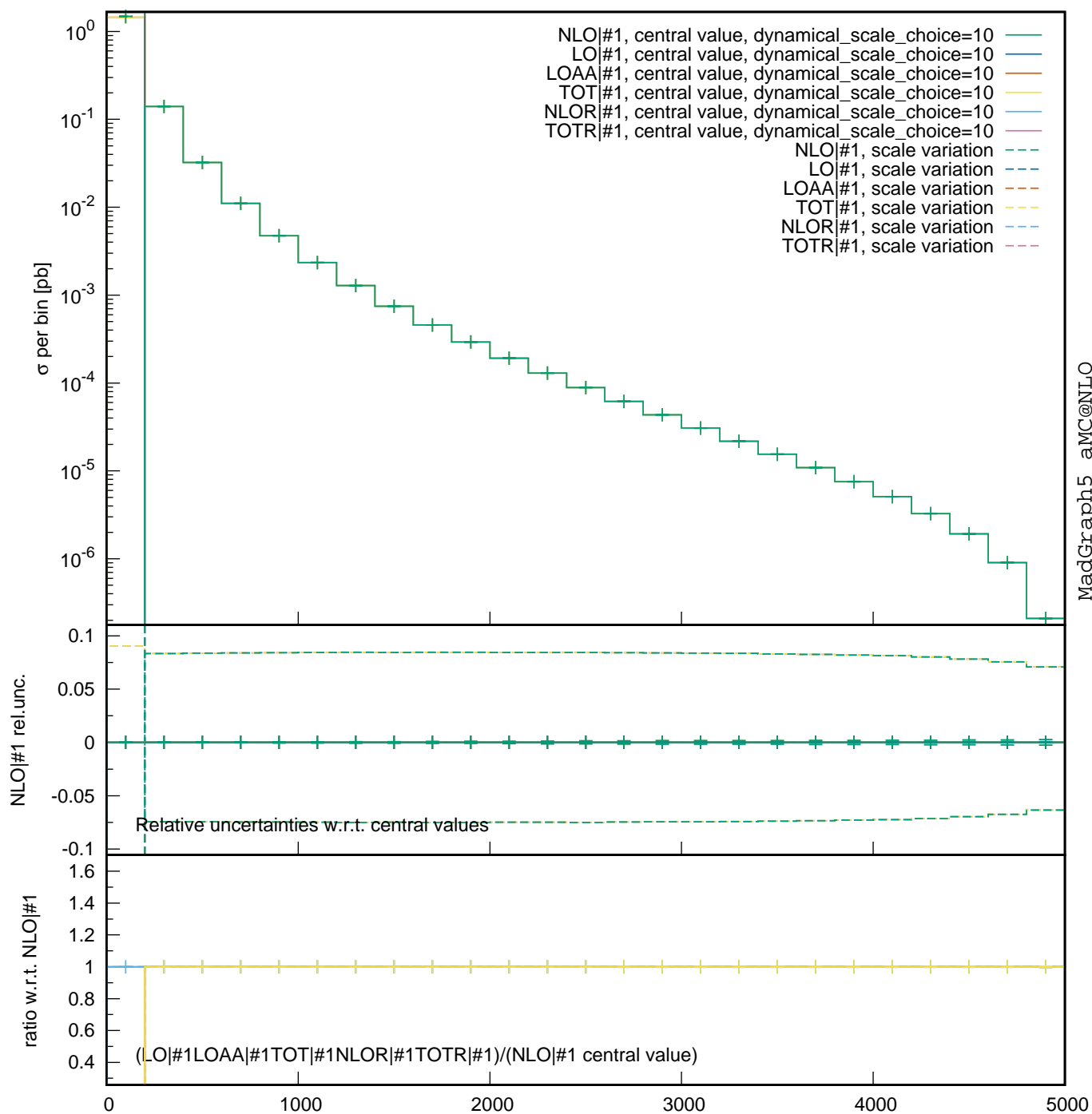
thetatt



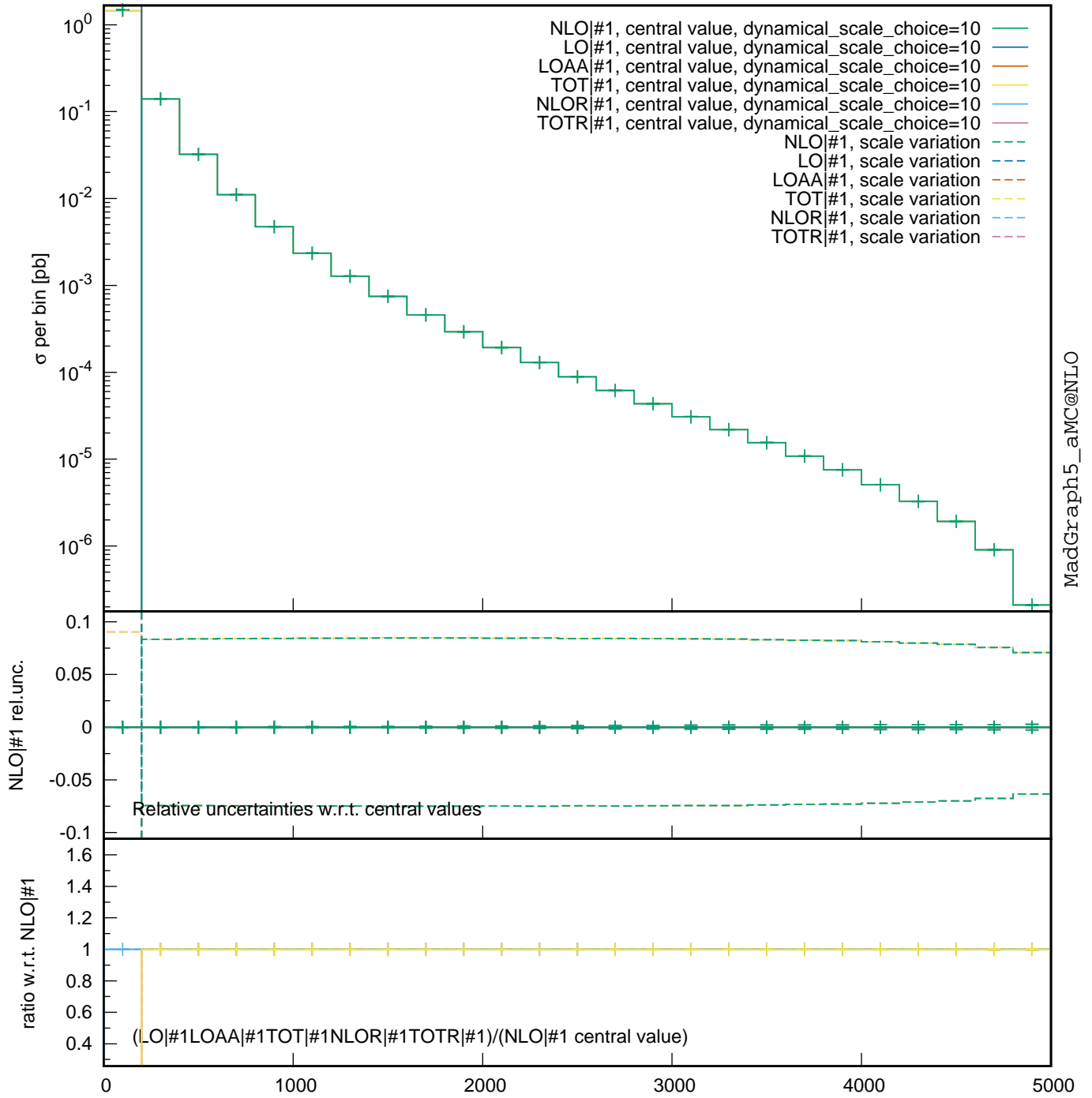
pttt



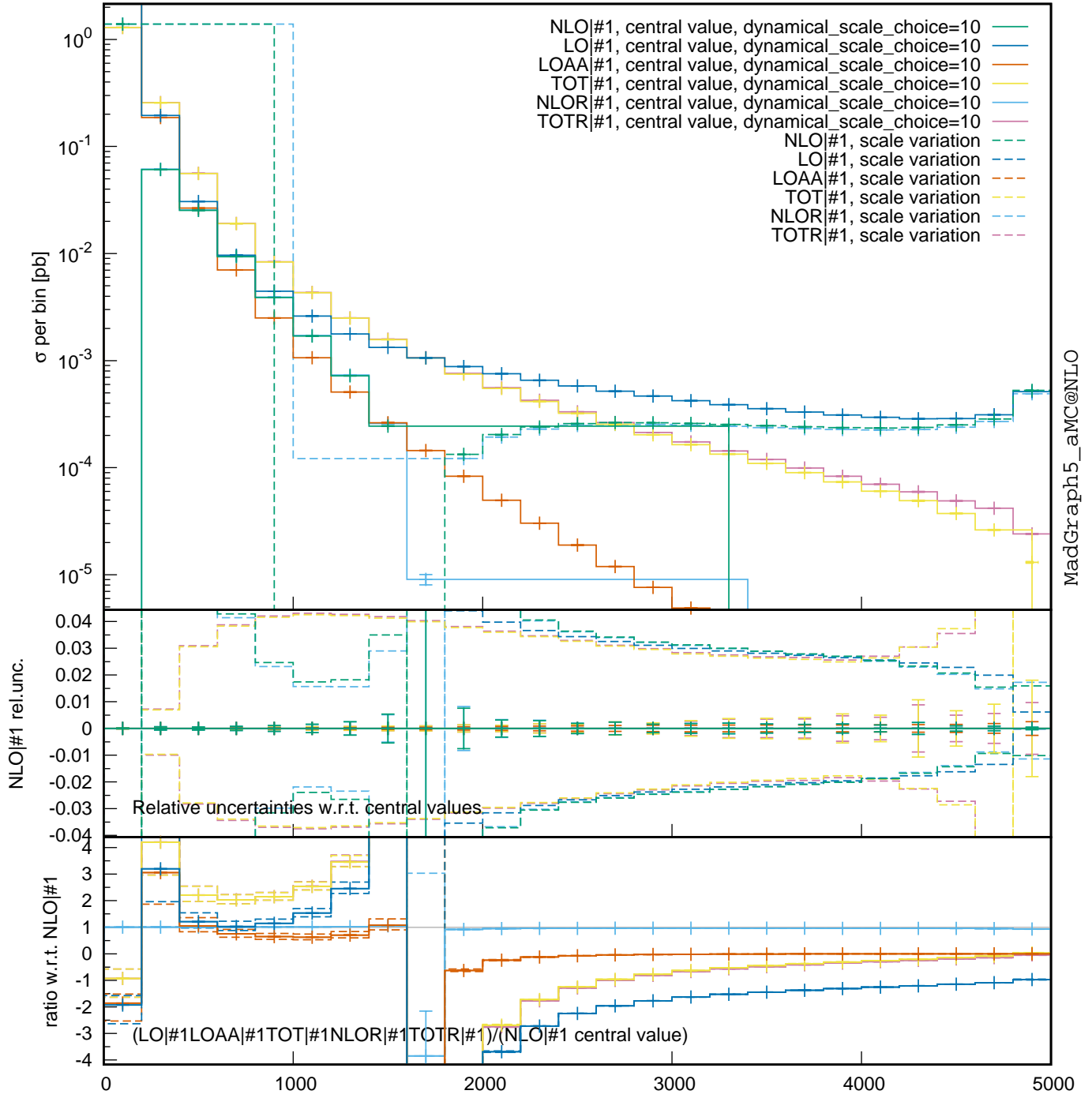
ptmup



ptmum

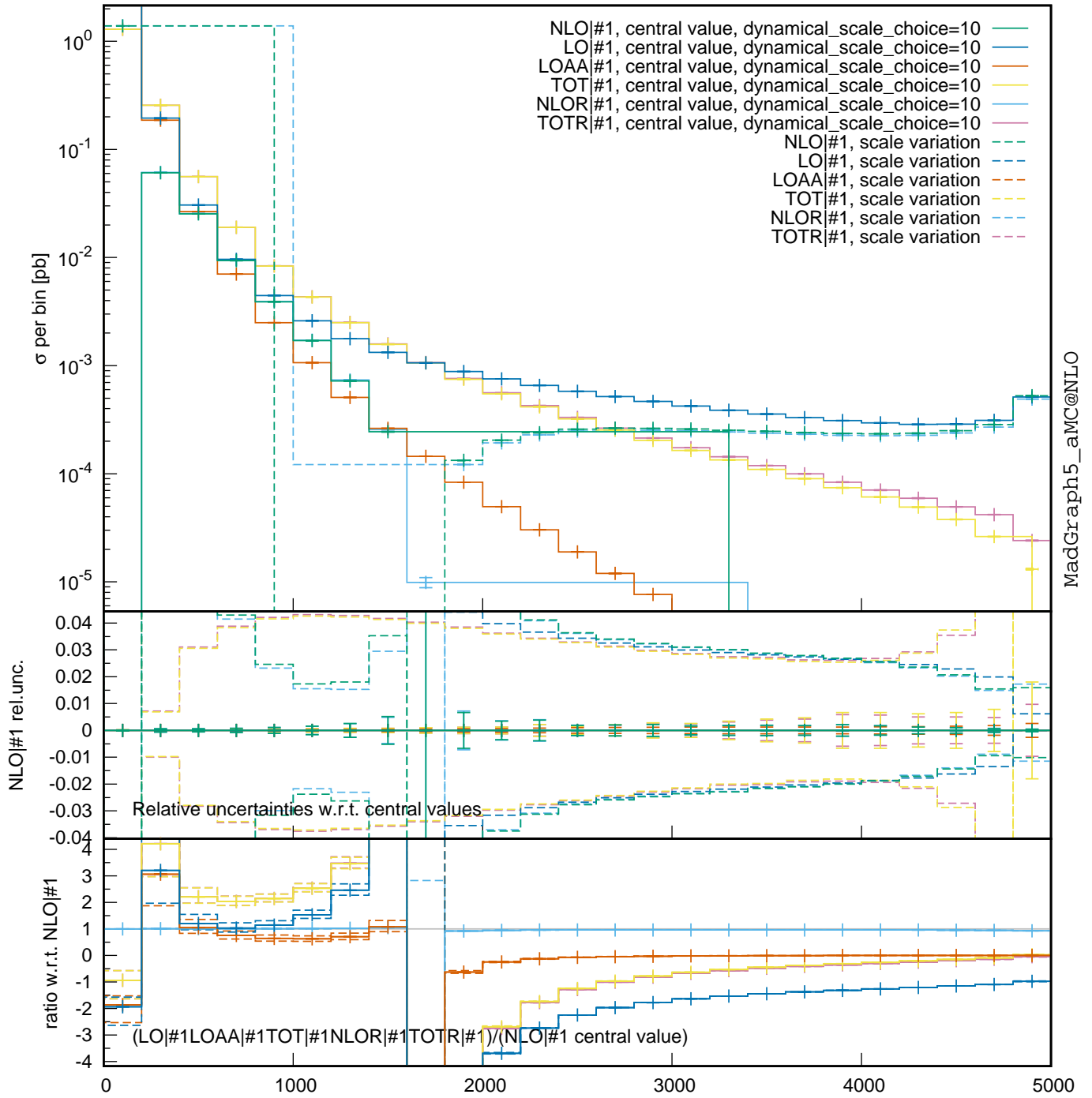


pttop

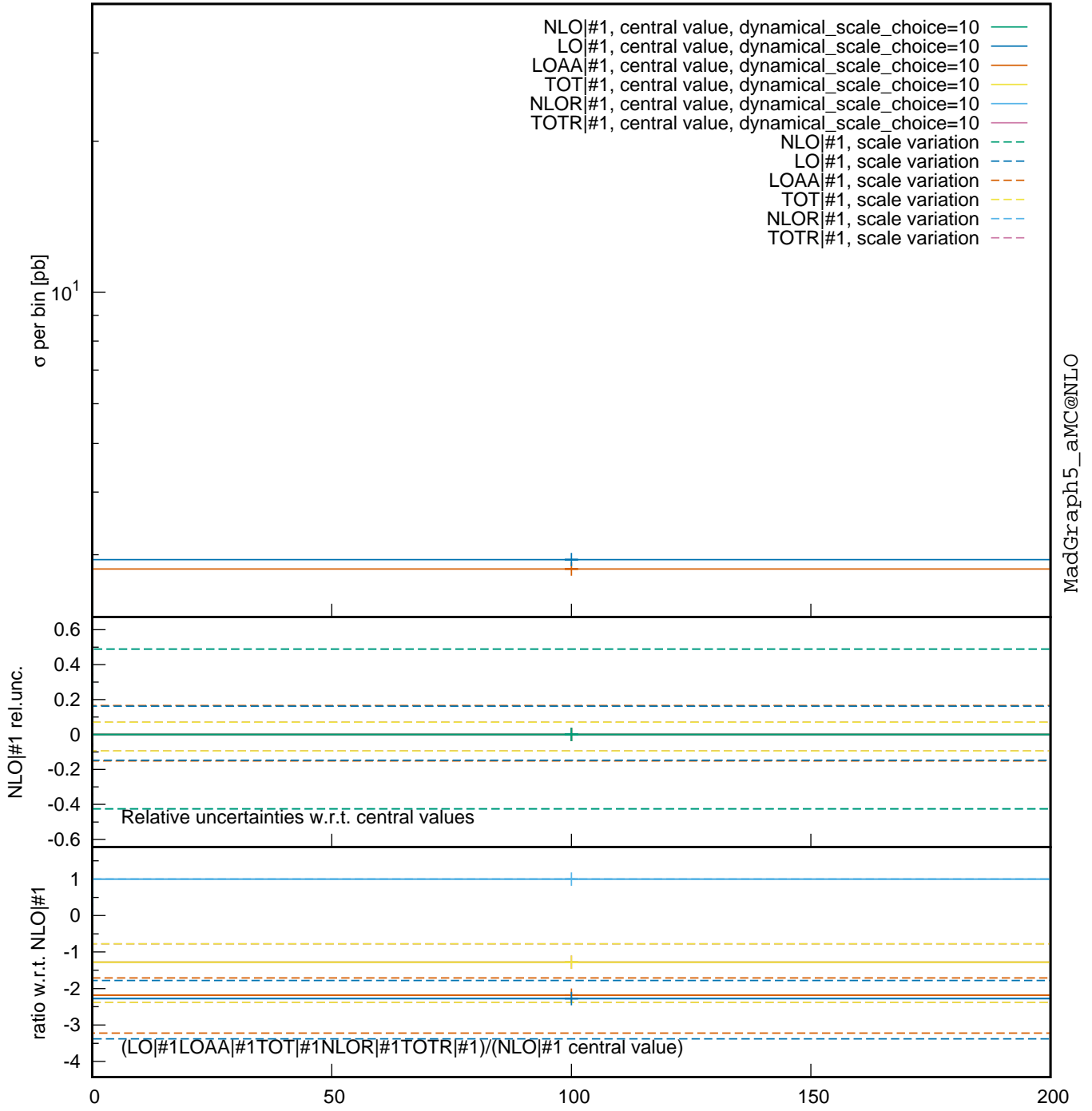




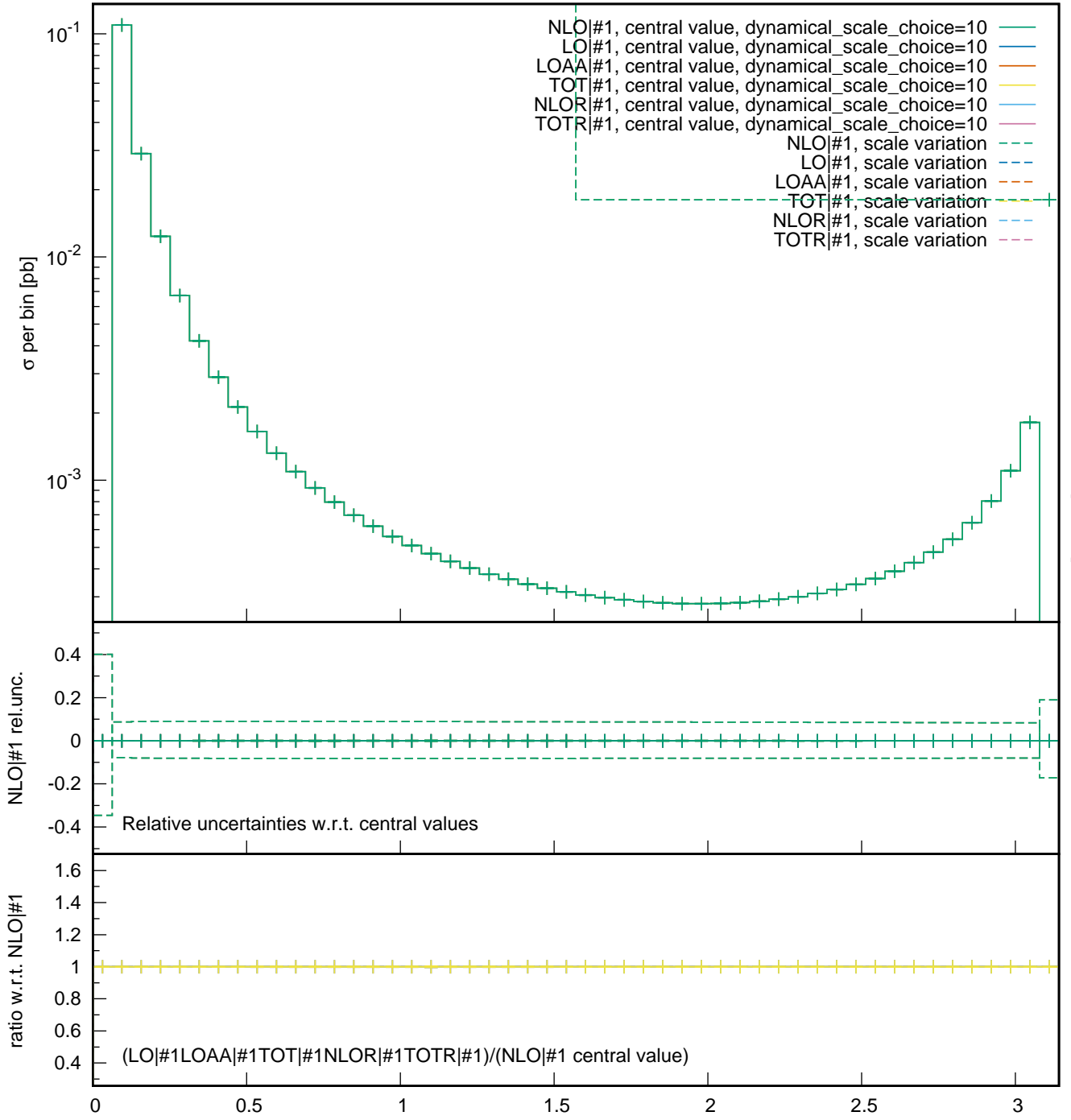
ptatop



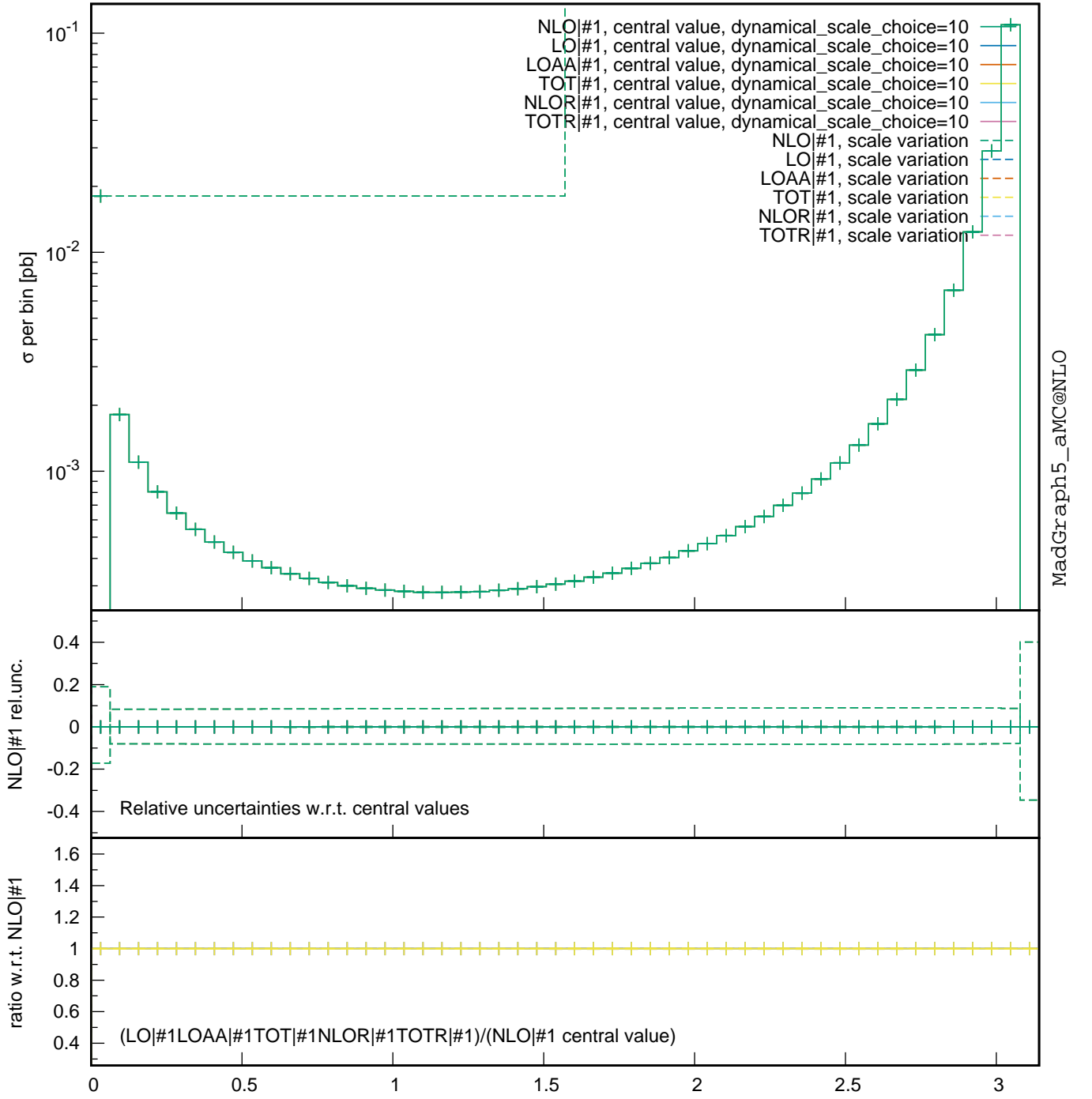
mmumu



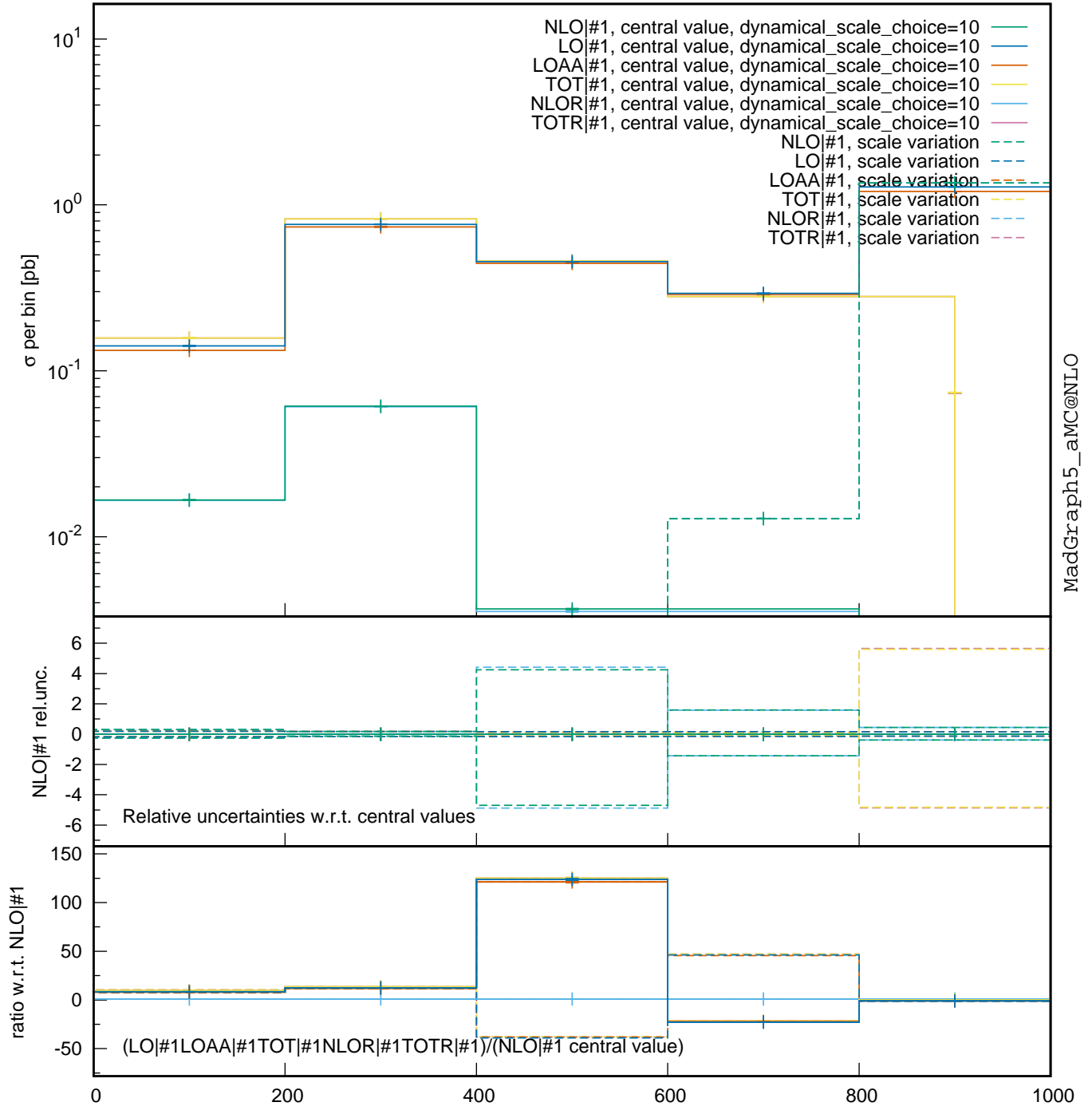
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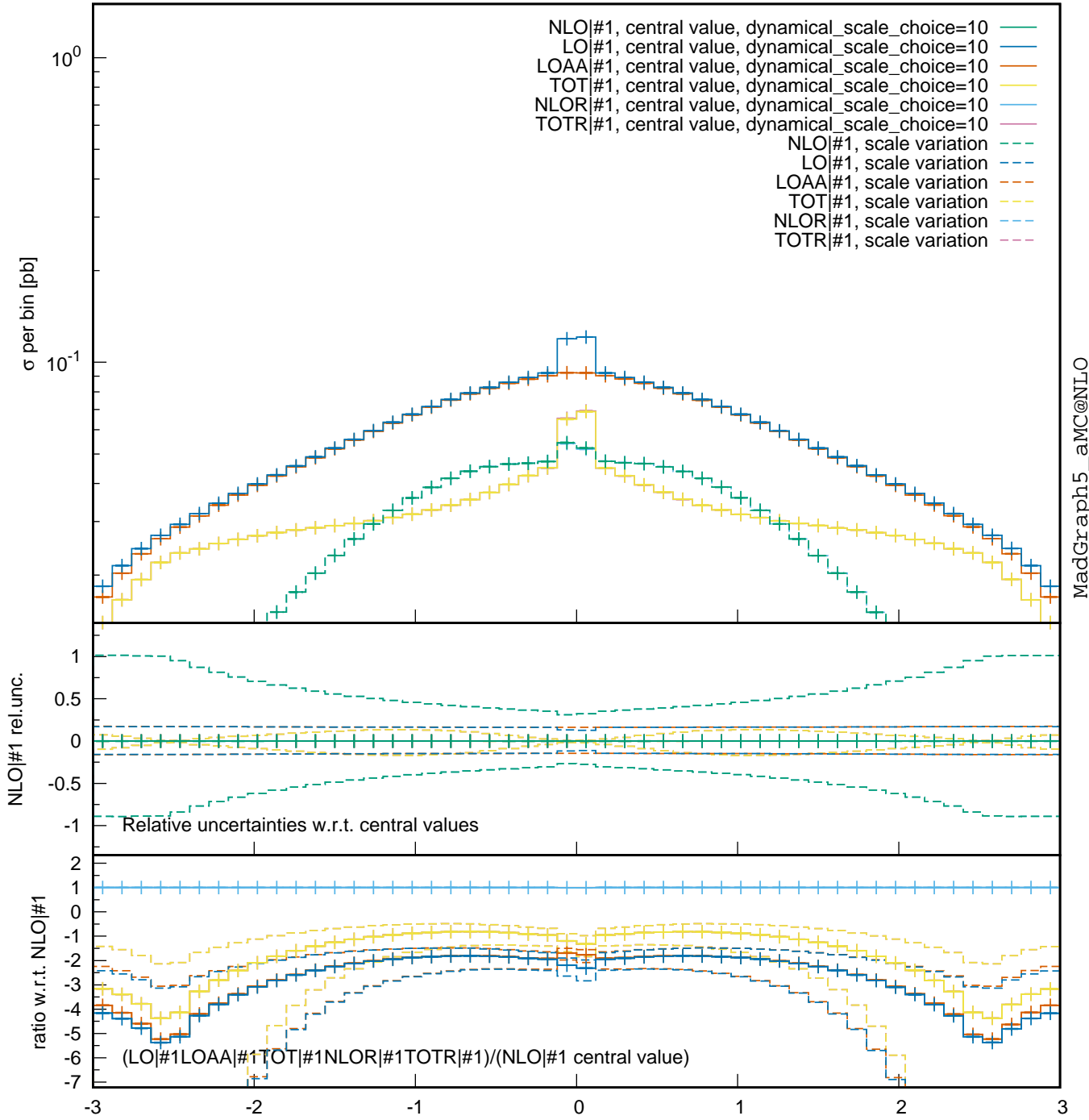
thetamum



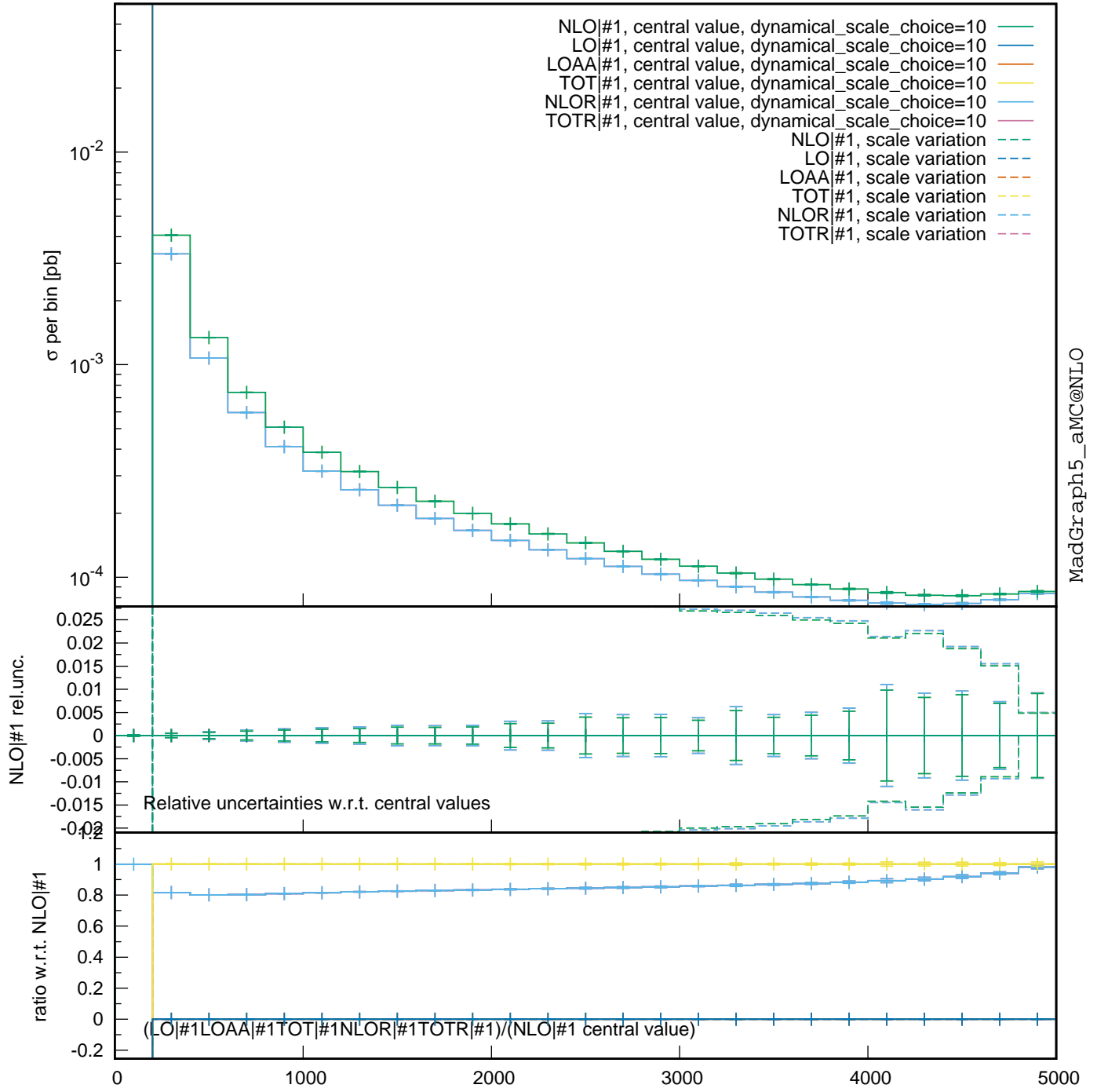
# 2mu2top invm



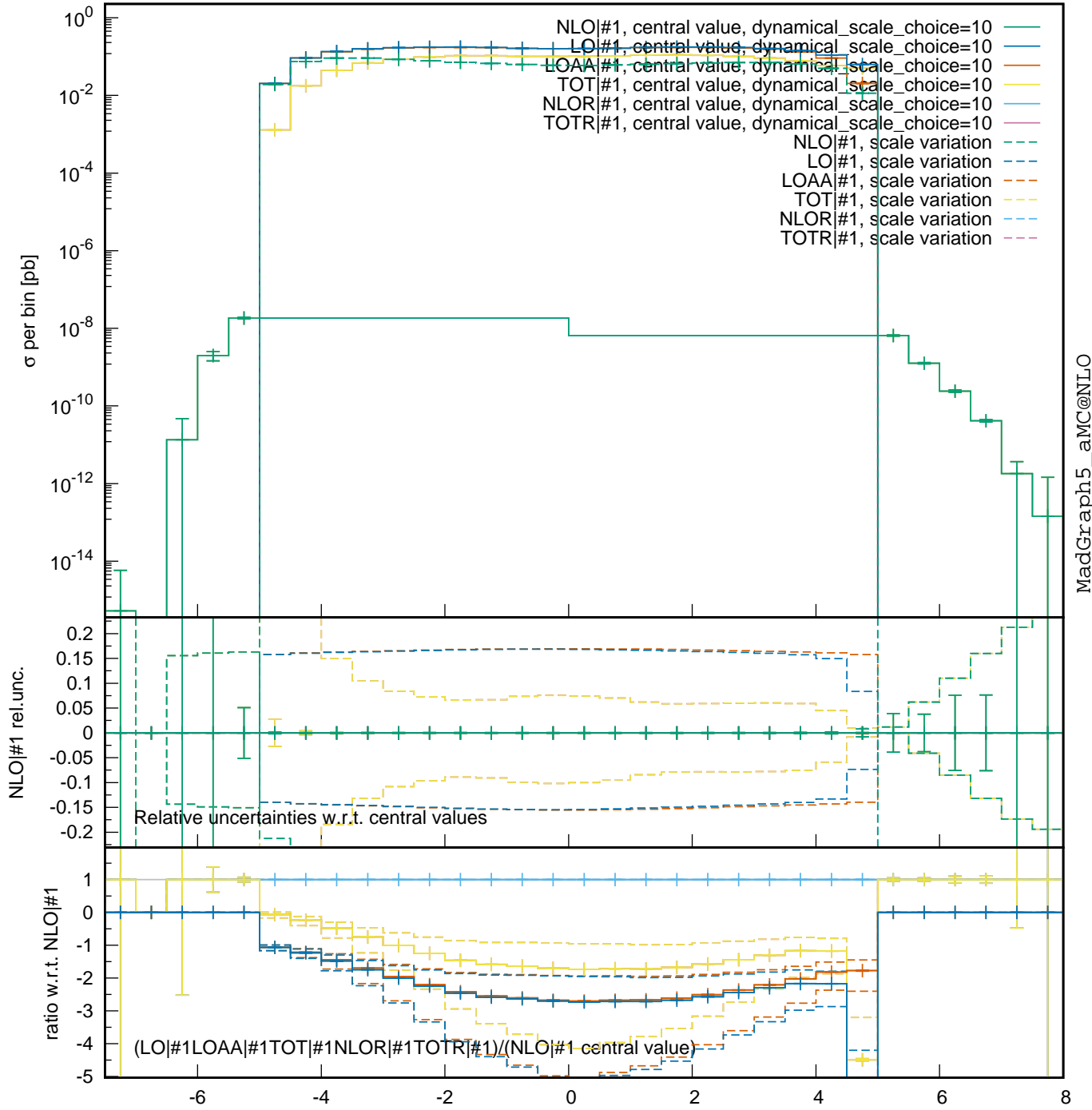
# 2mu2top rap



# 2mu2top pt

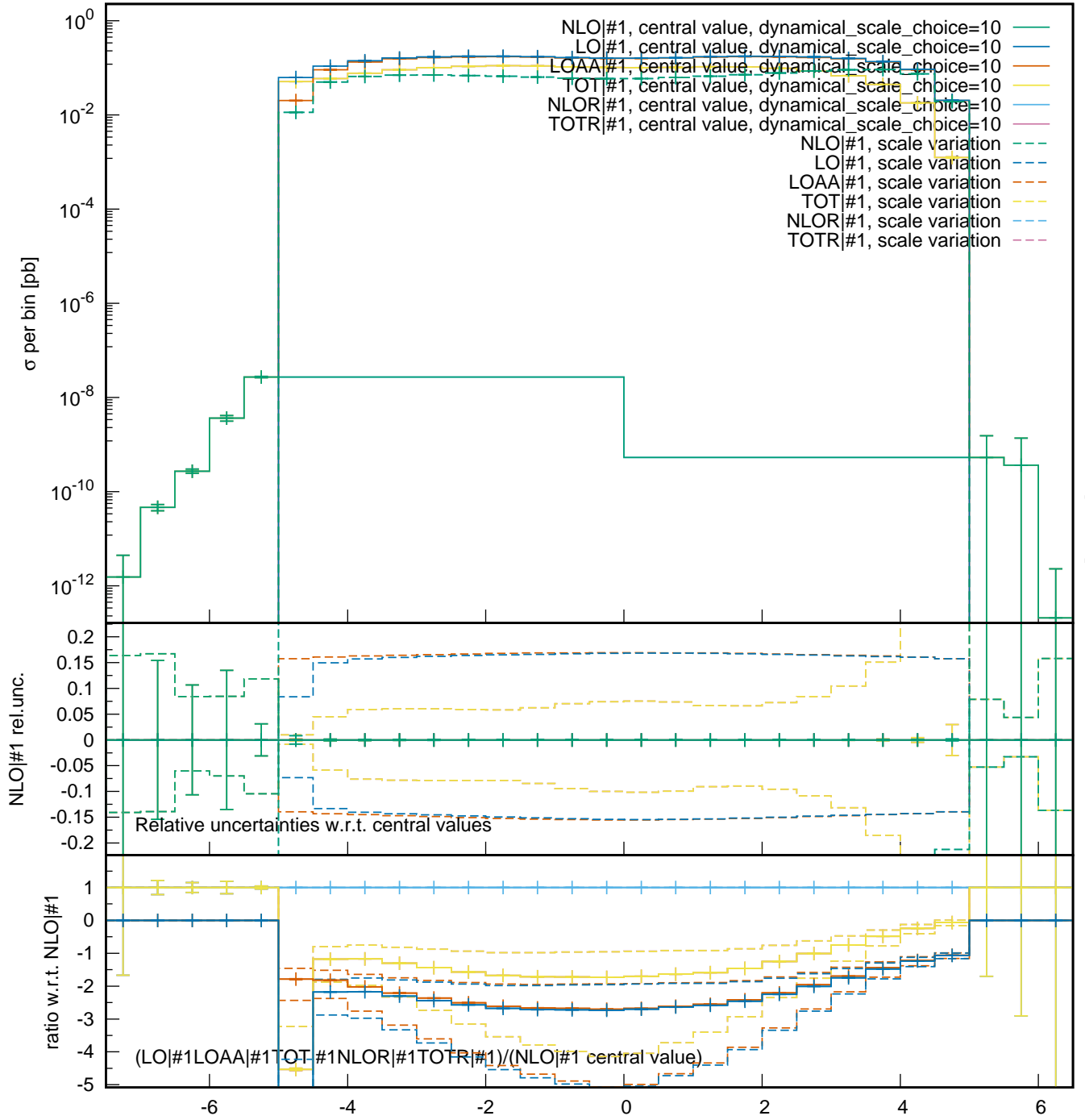


top rap

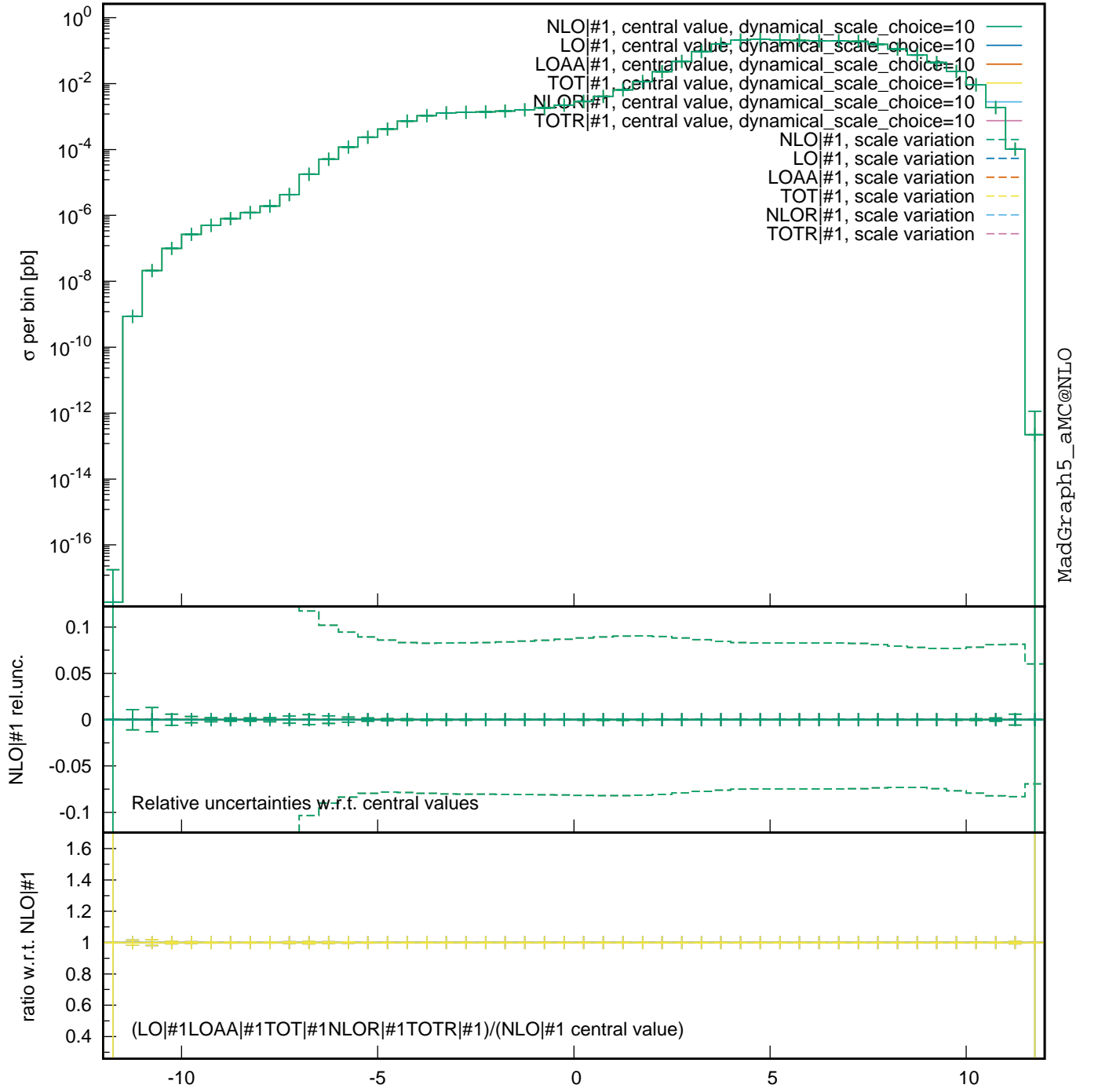




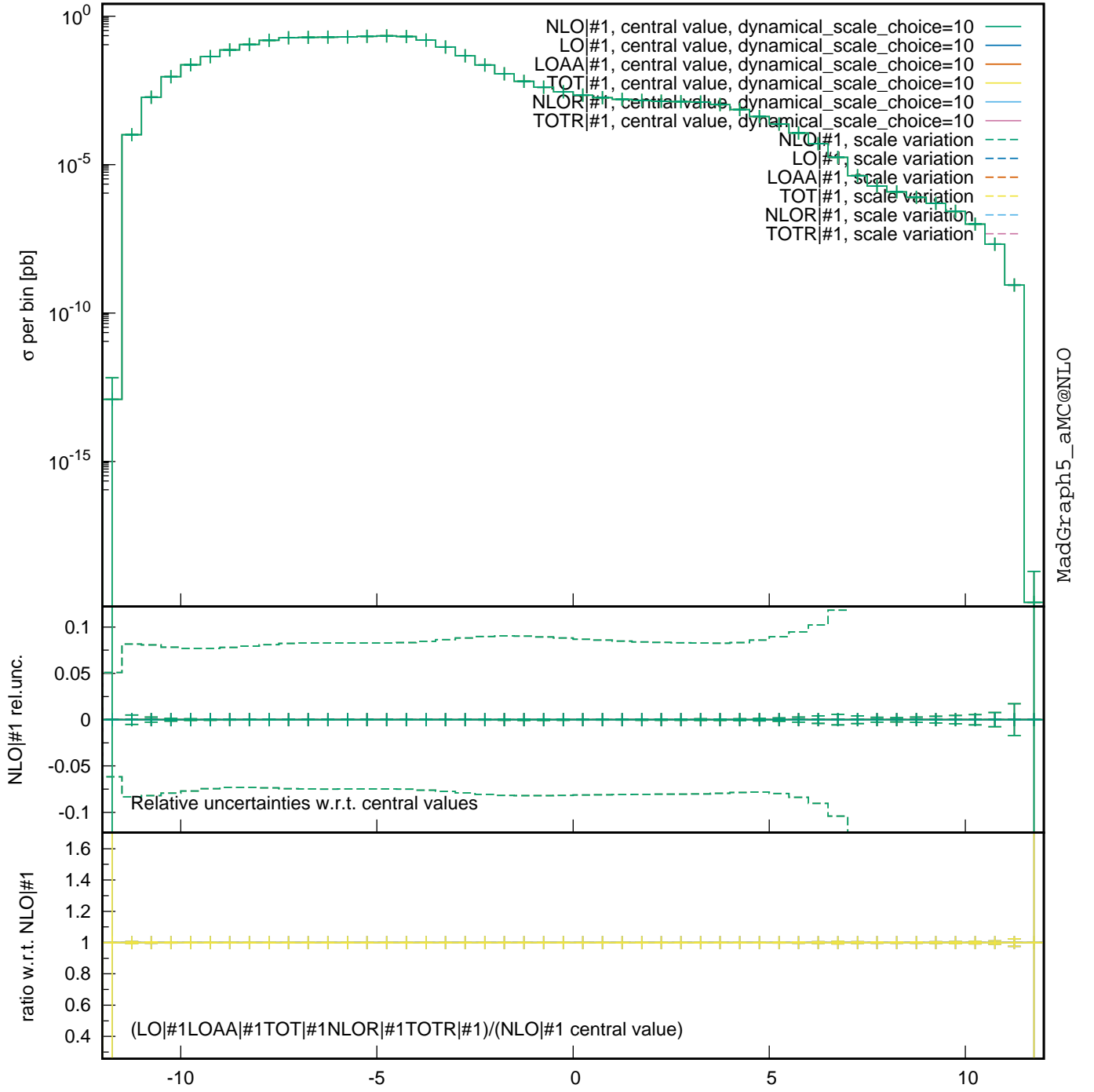
atop rap



mup rap



mum rap



tt rap

