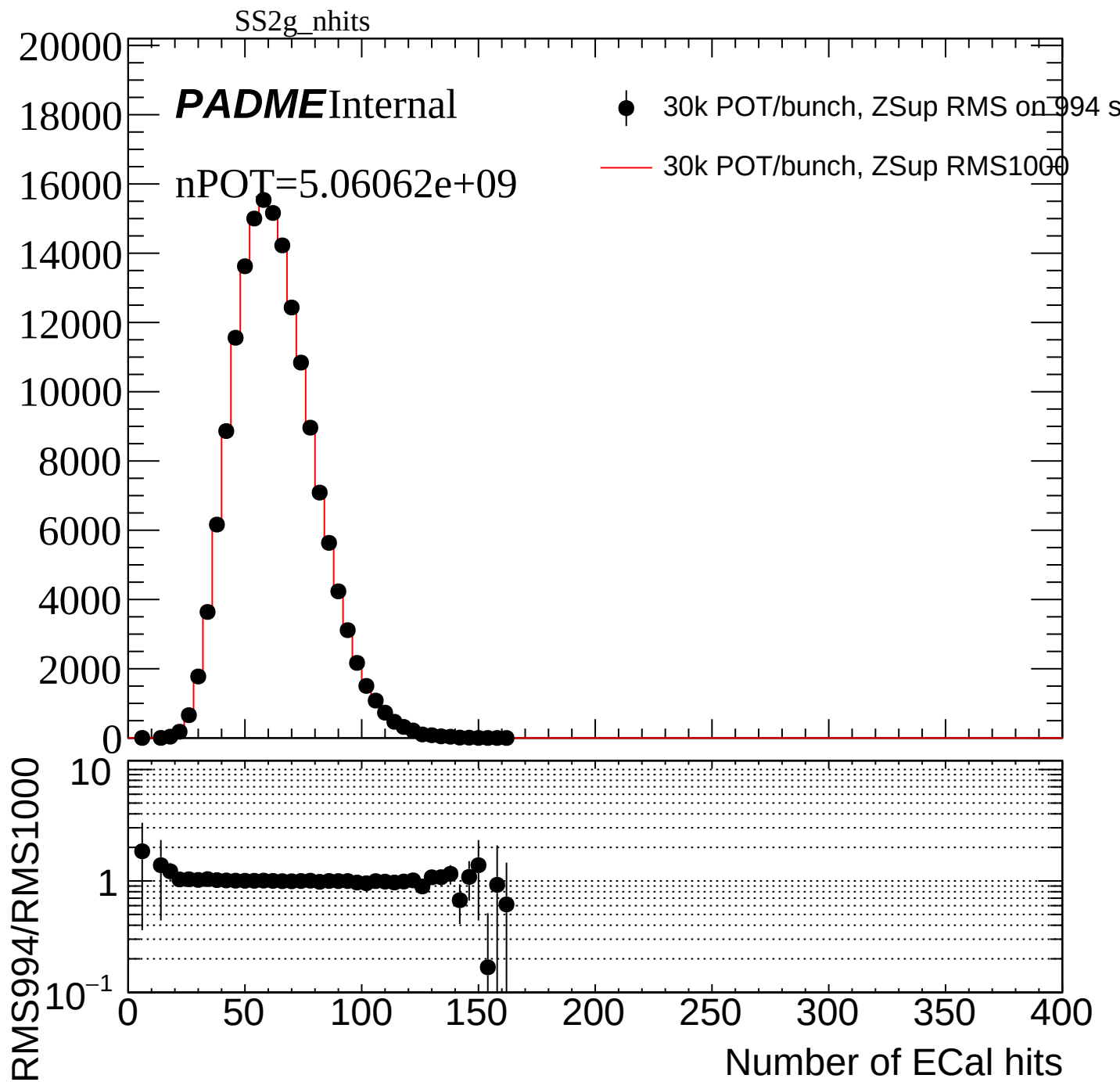
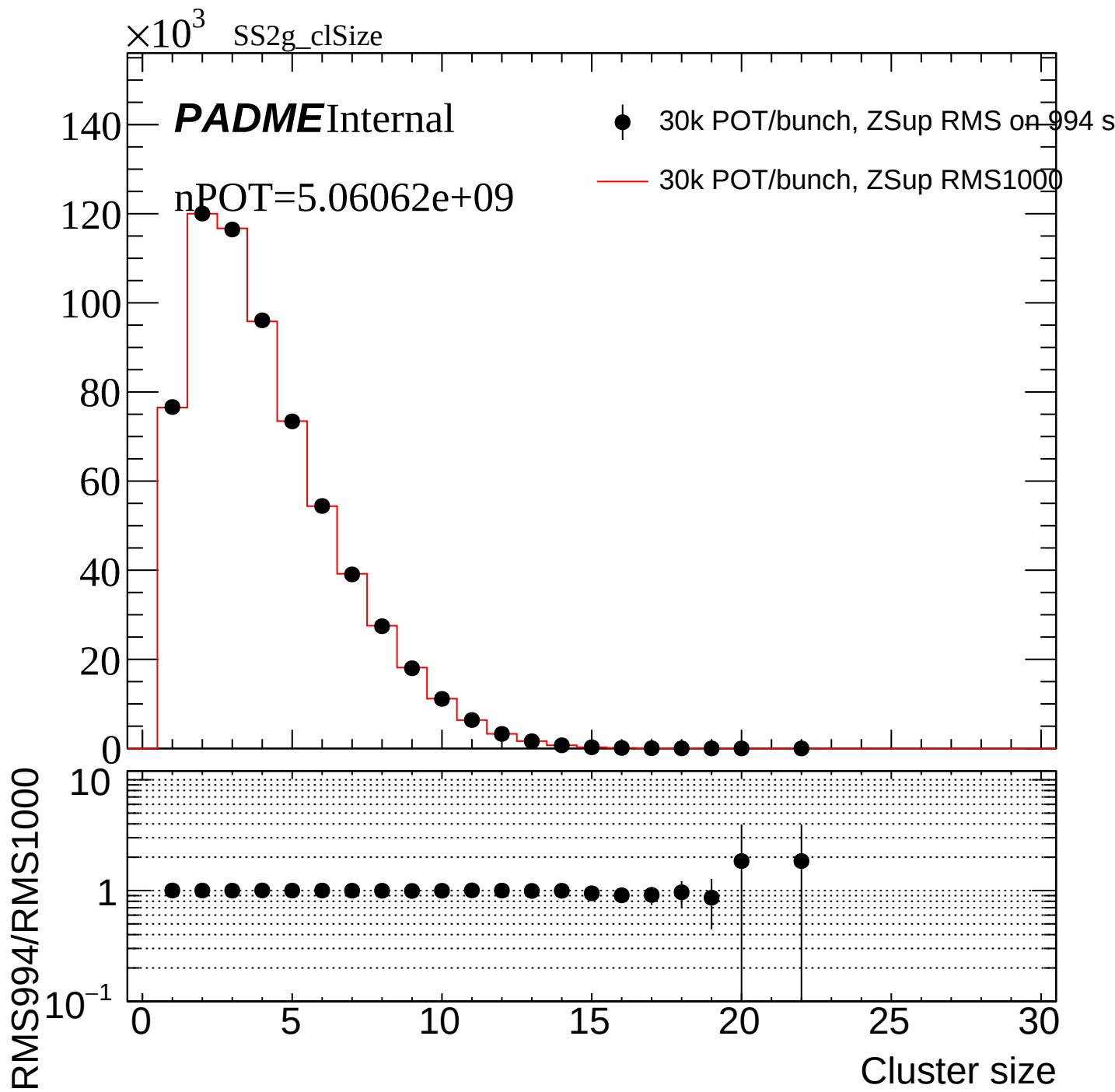
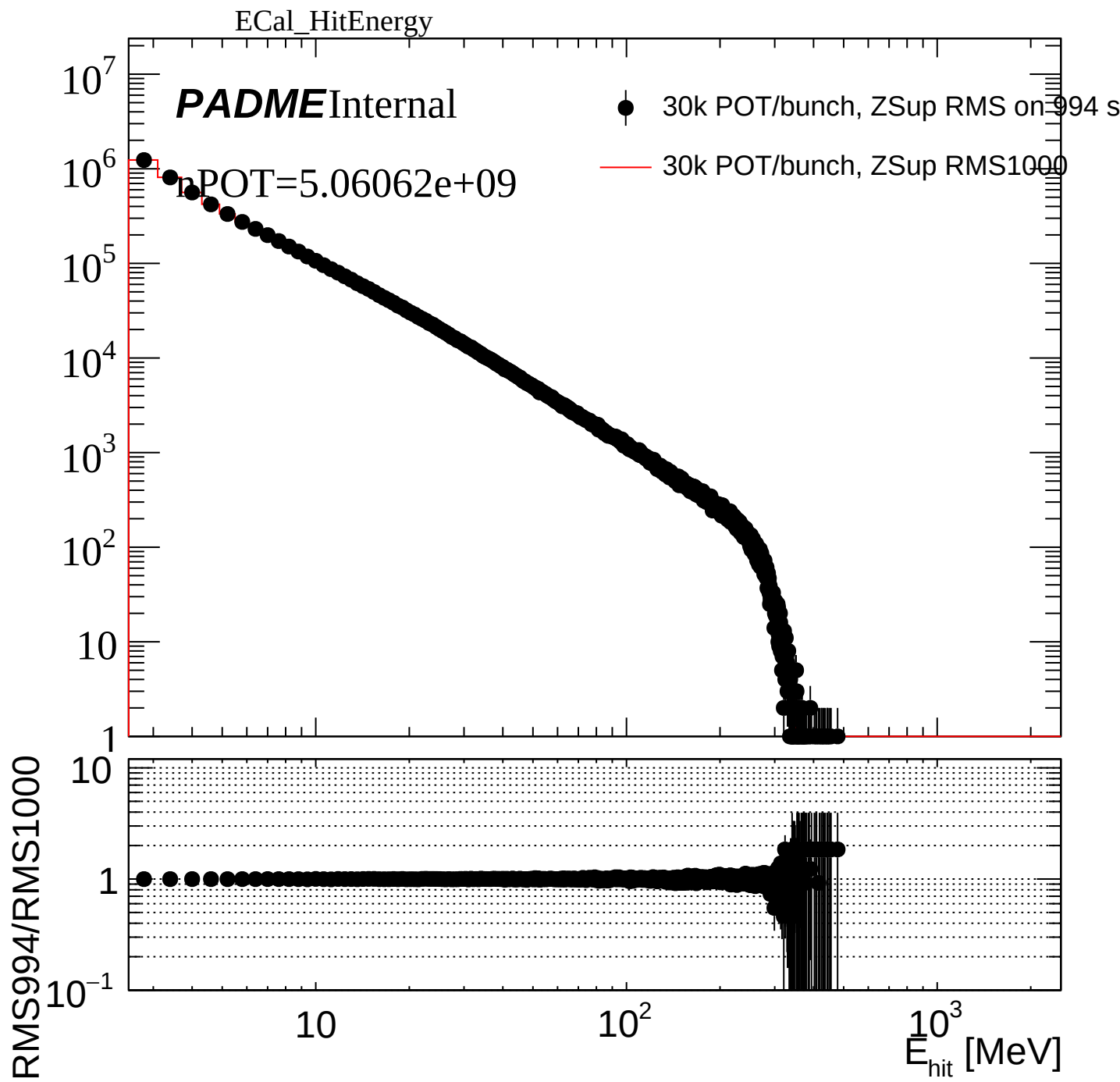
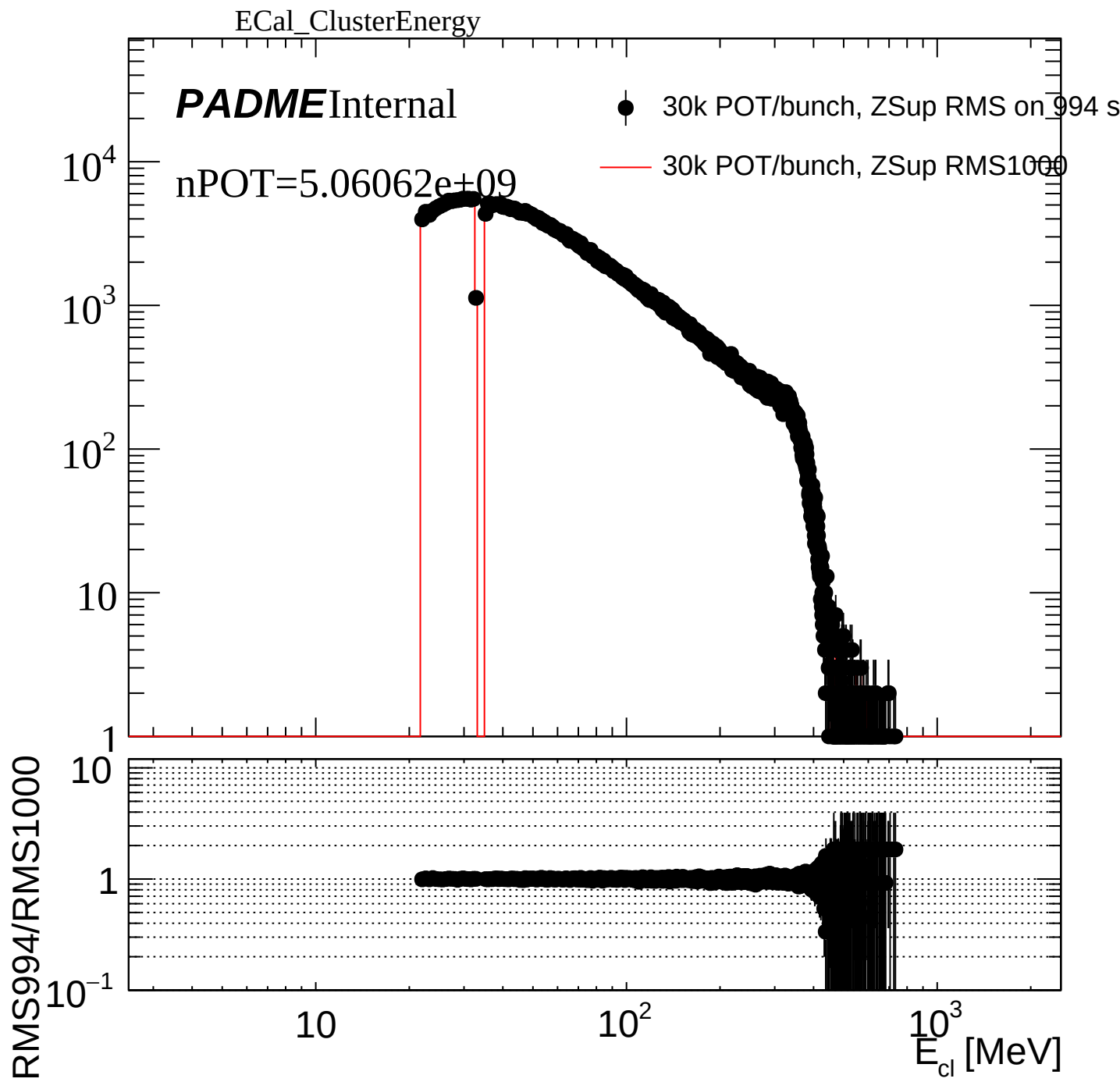
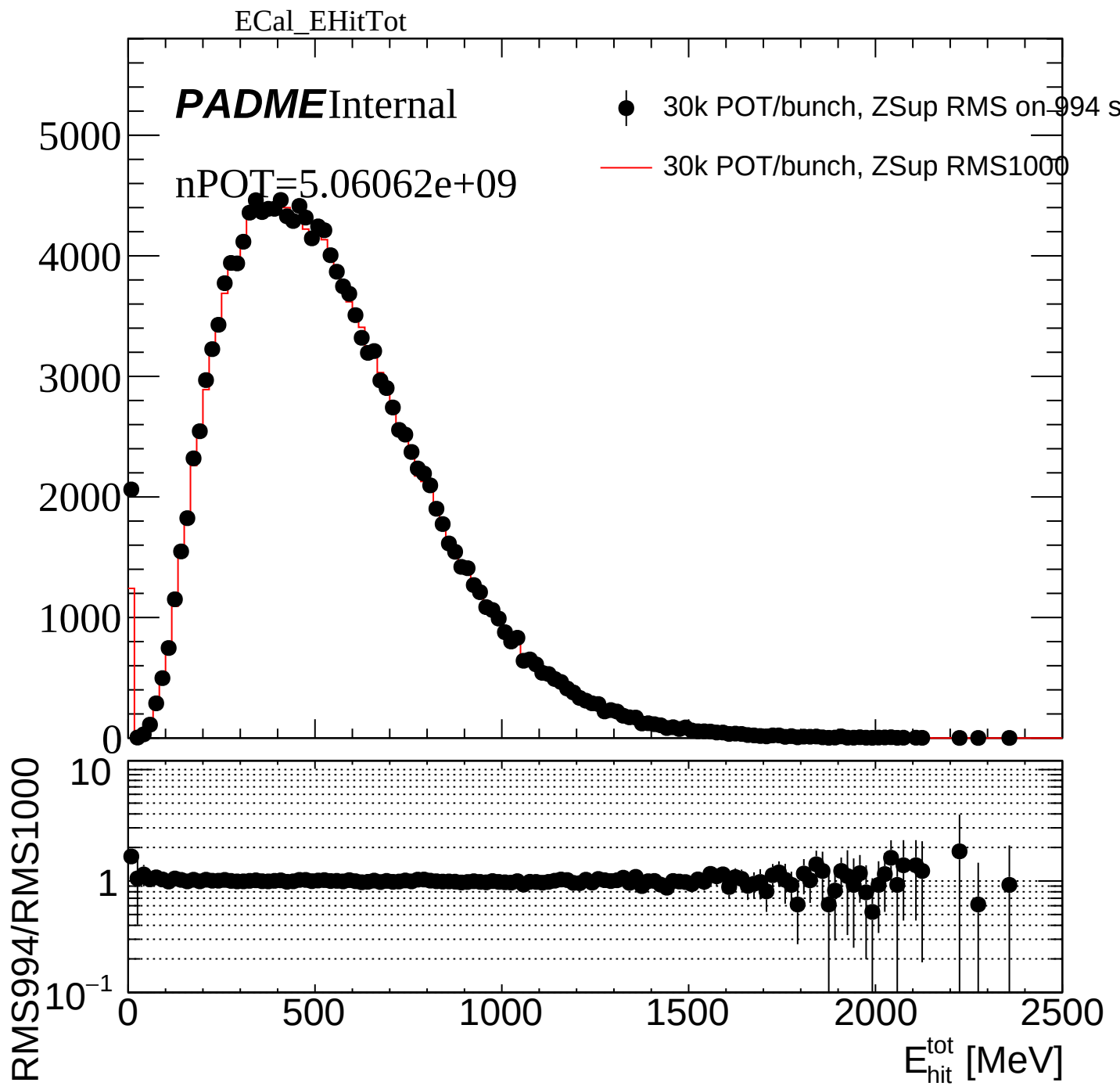


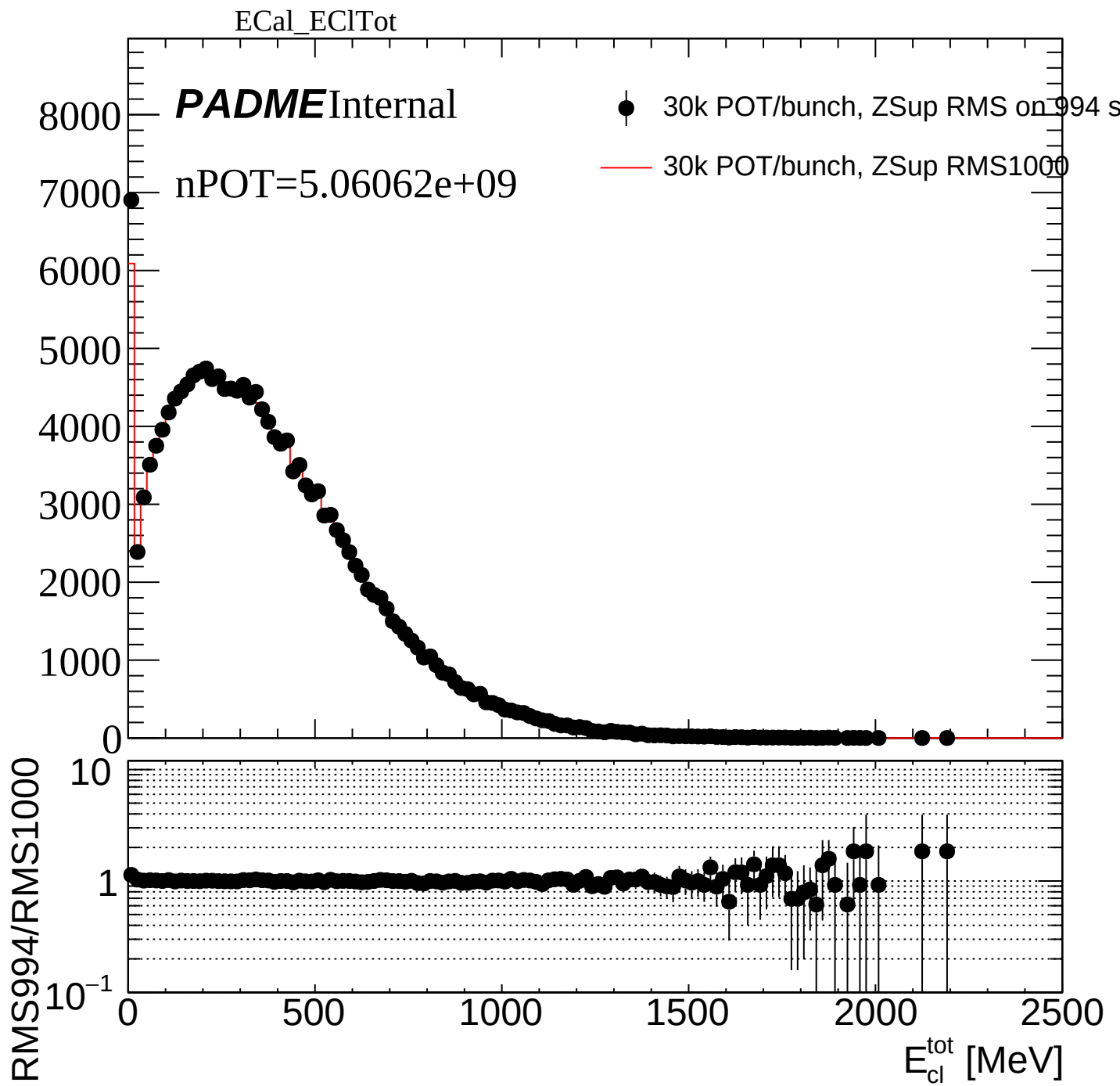


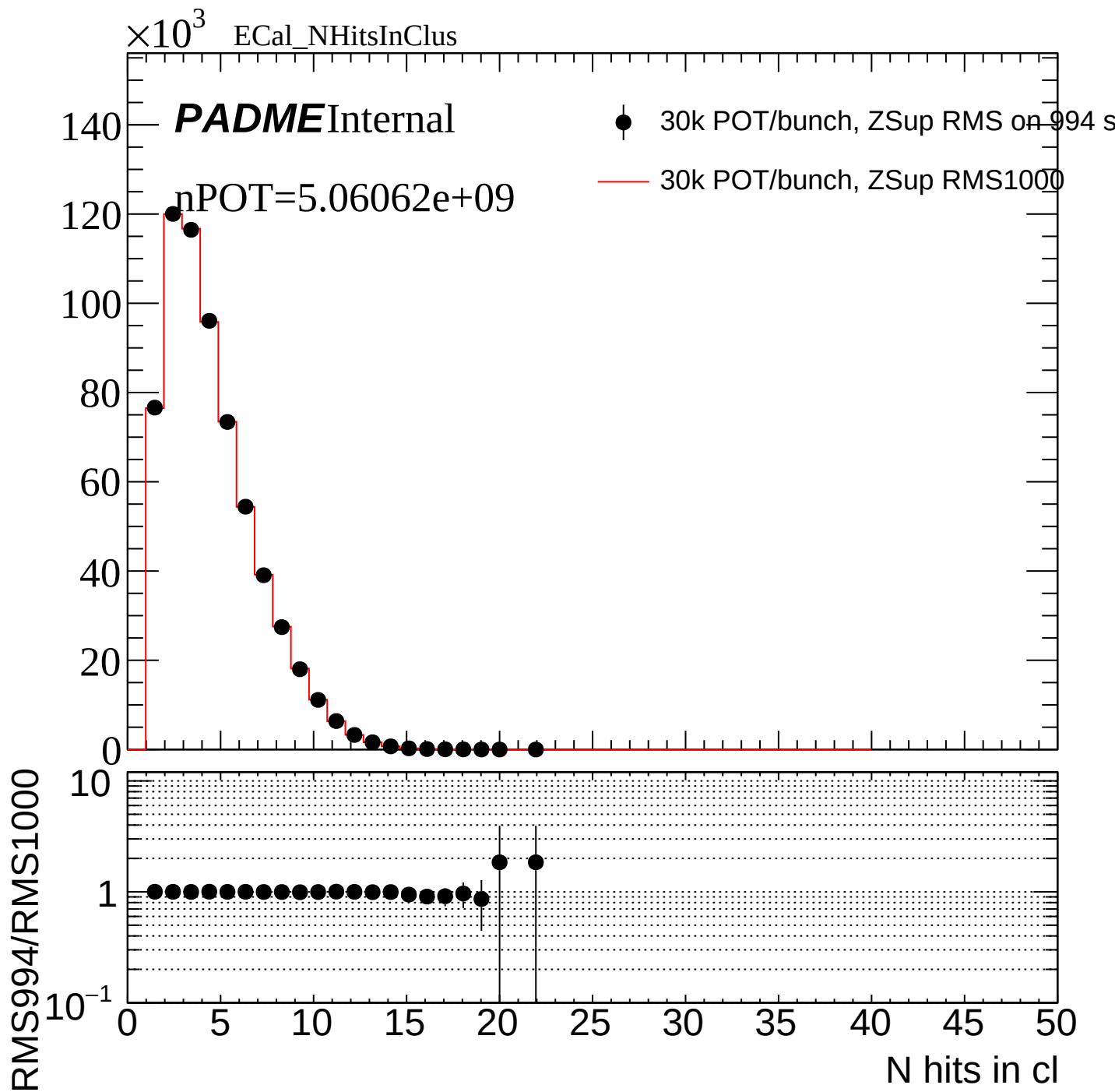


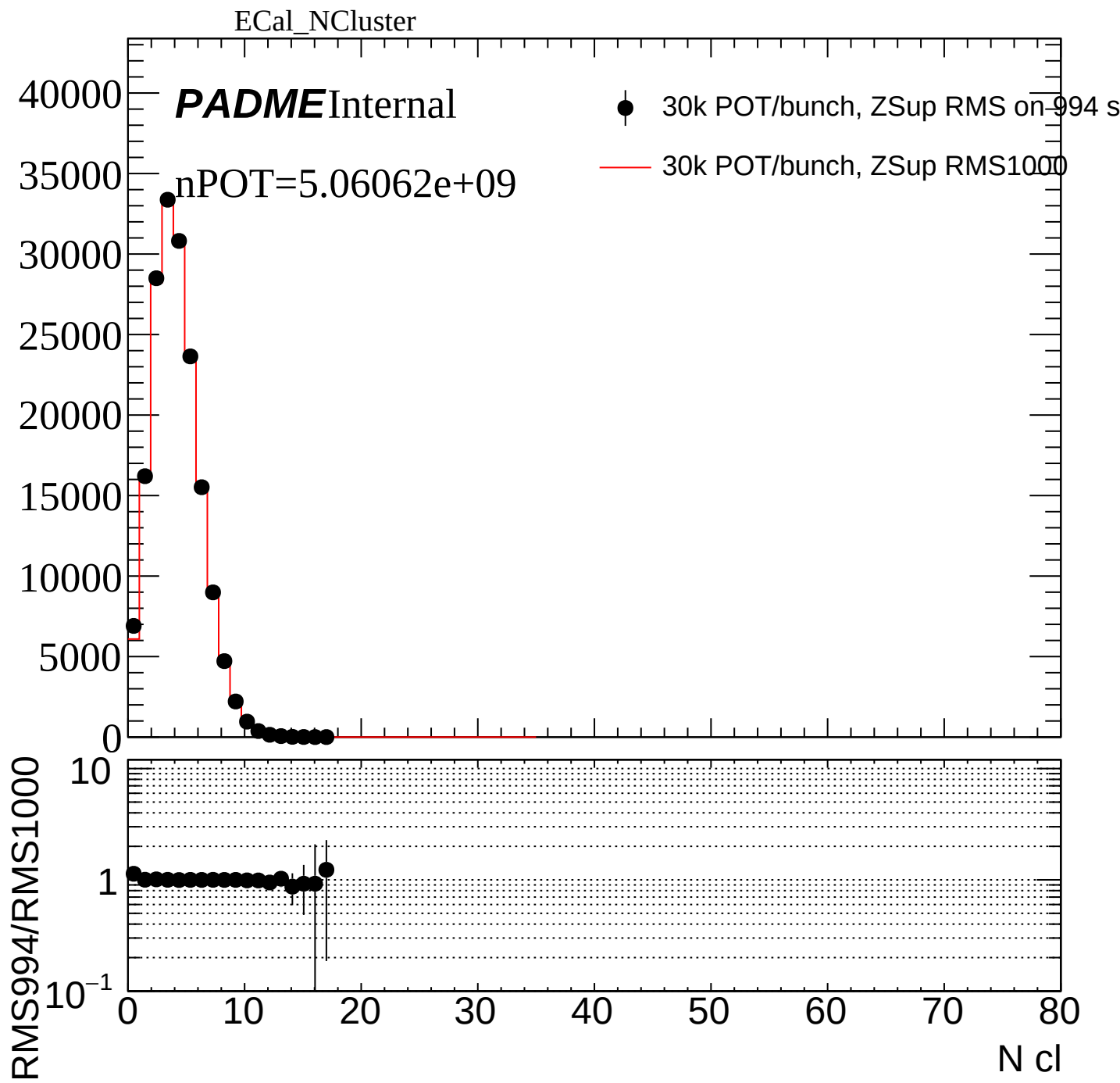


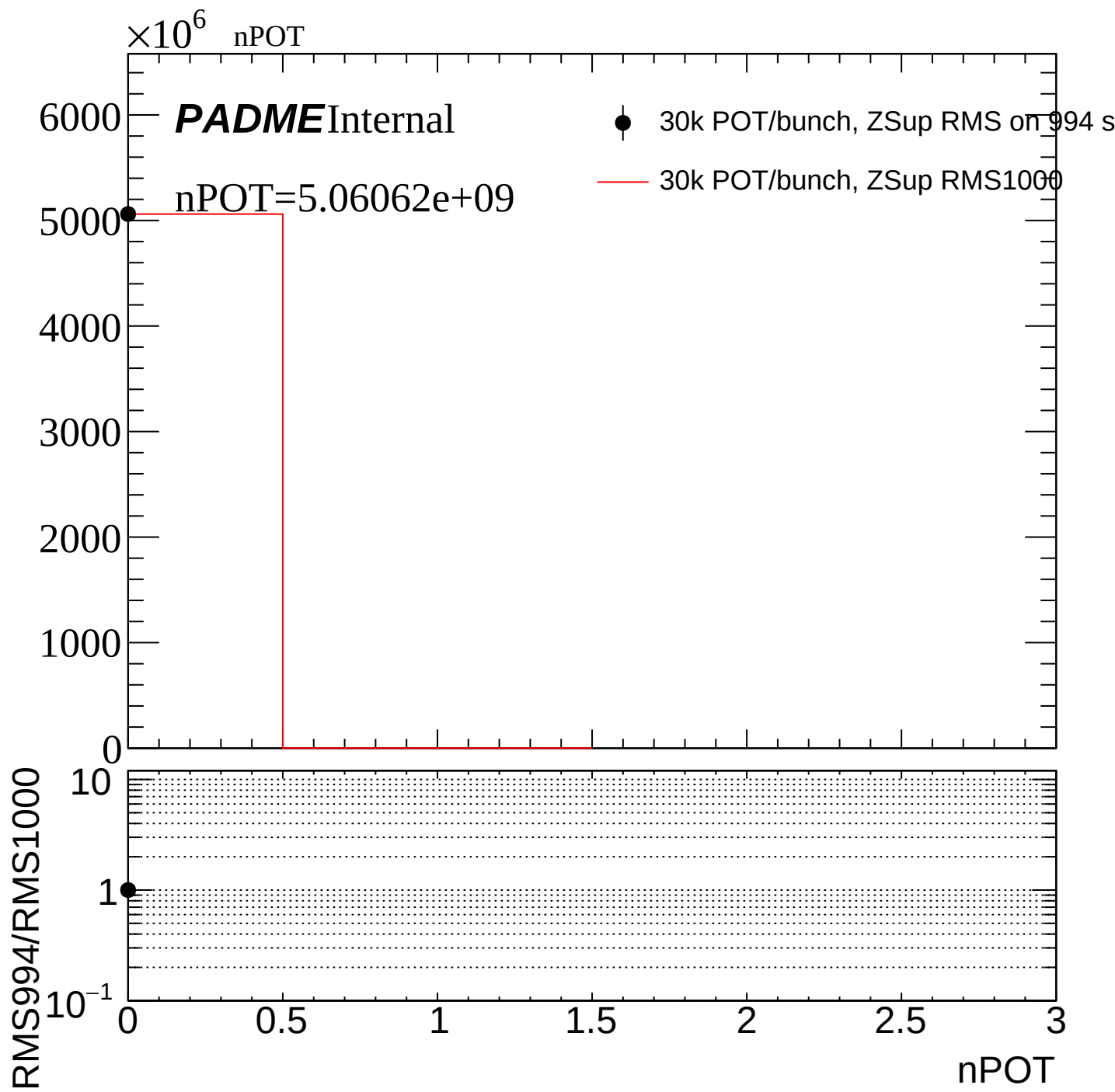


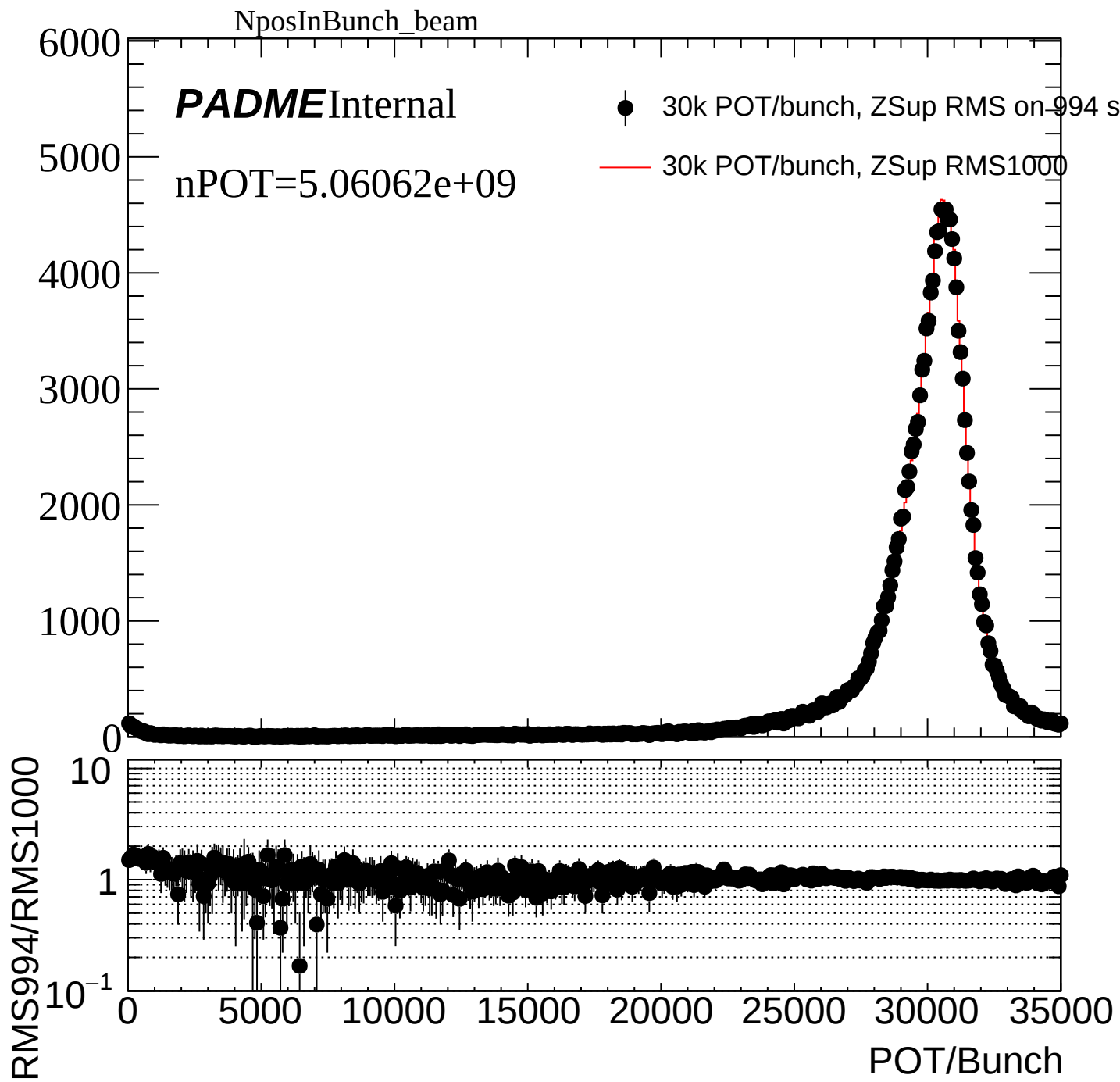


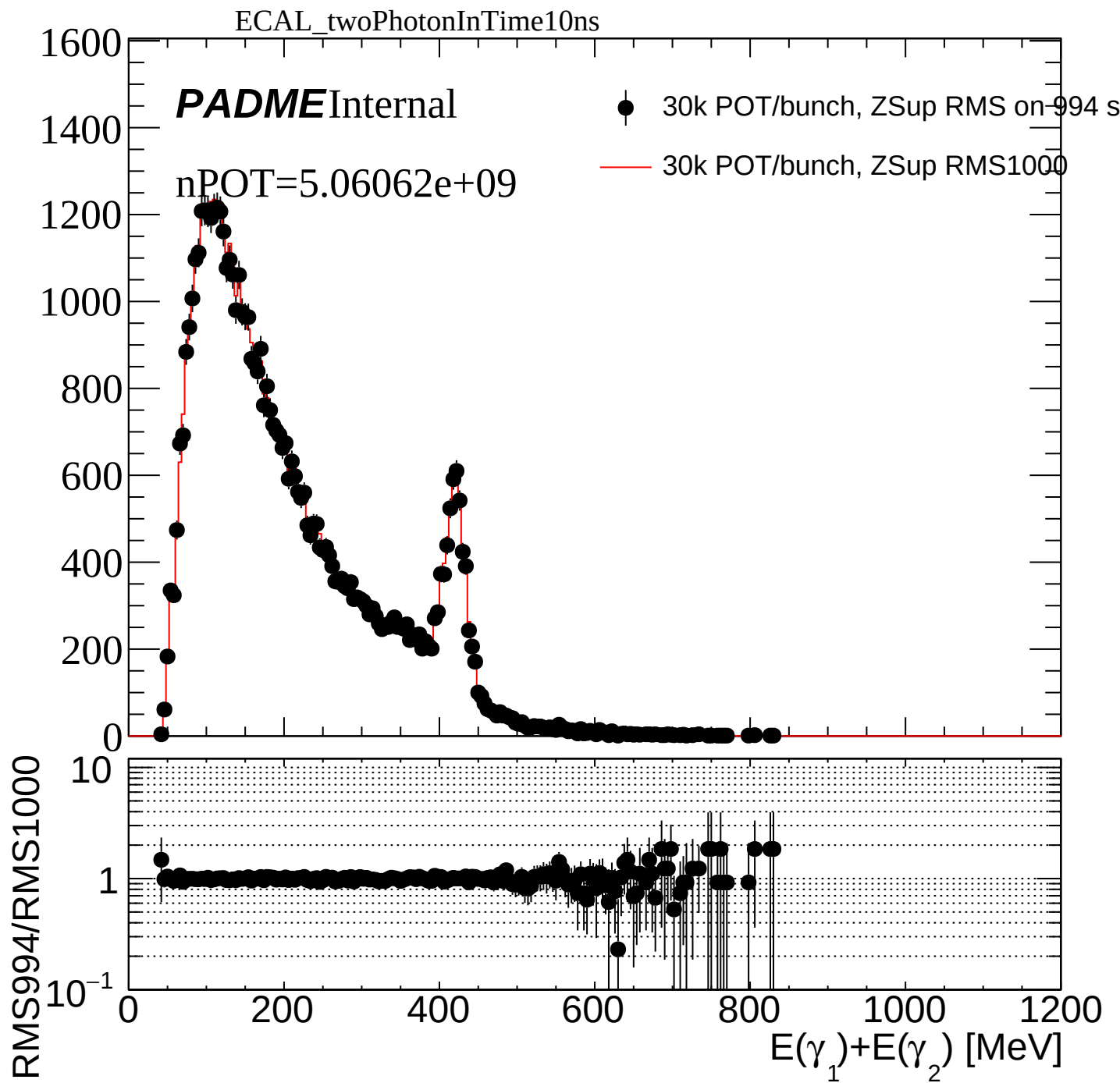


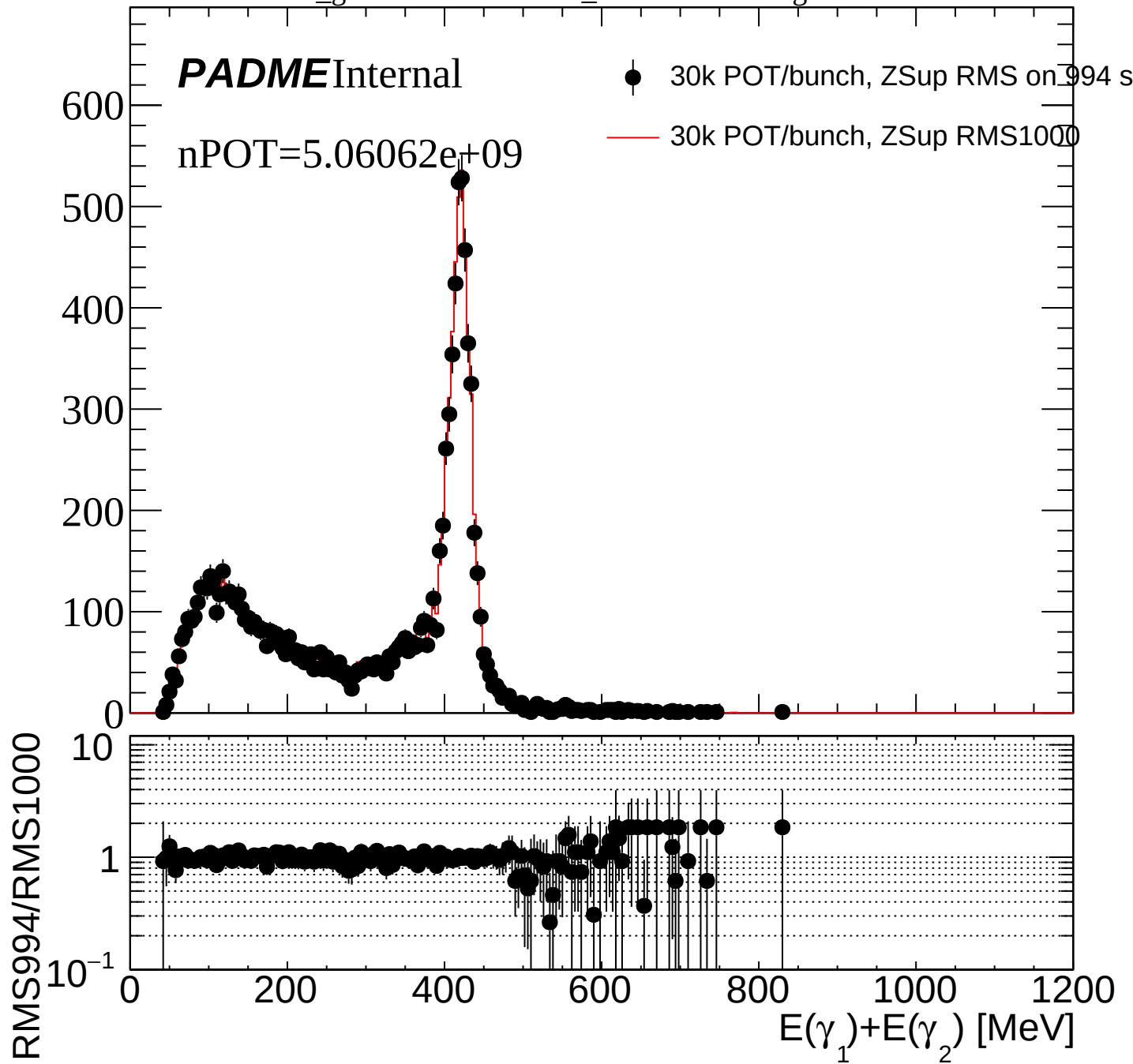


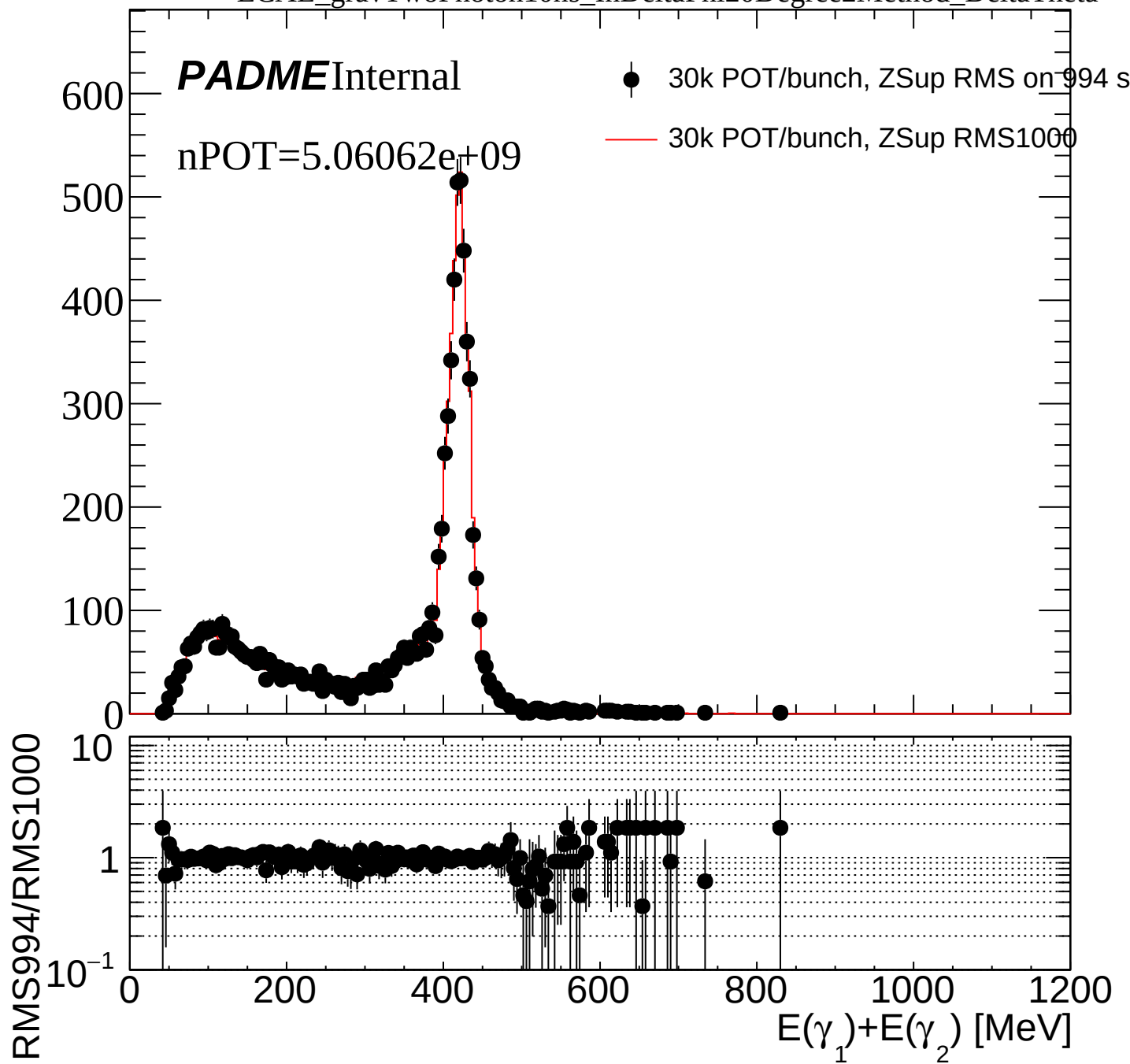












ECAL_gravTwoPhoton10ns1cm

PADME Internal

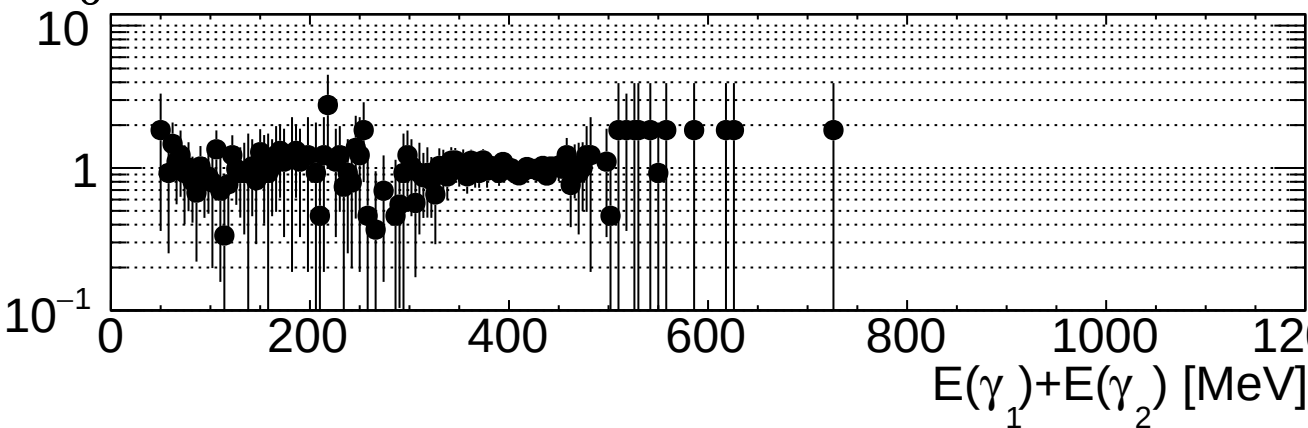
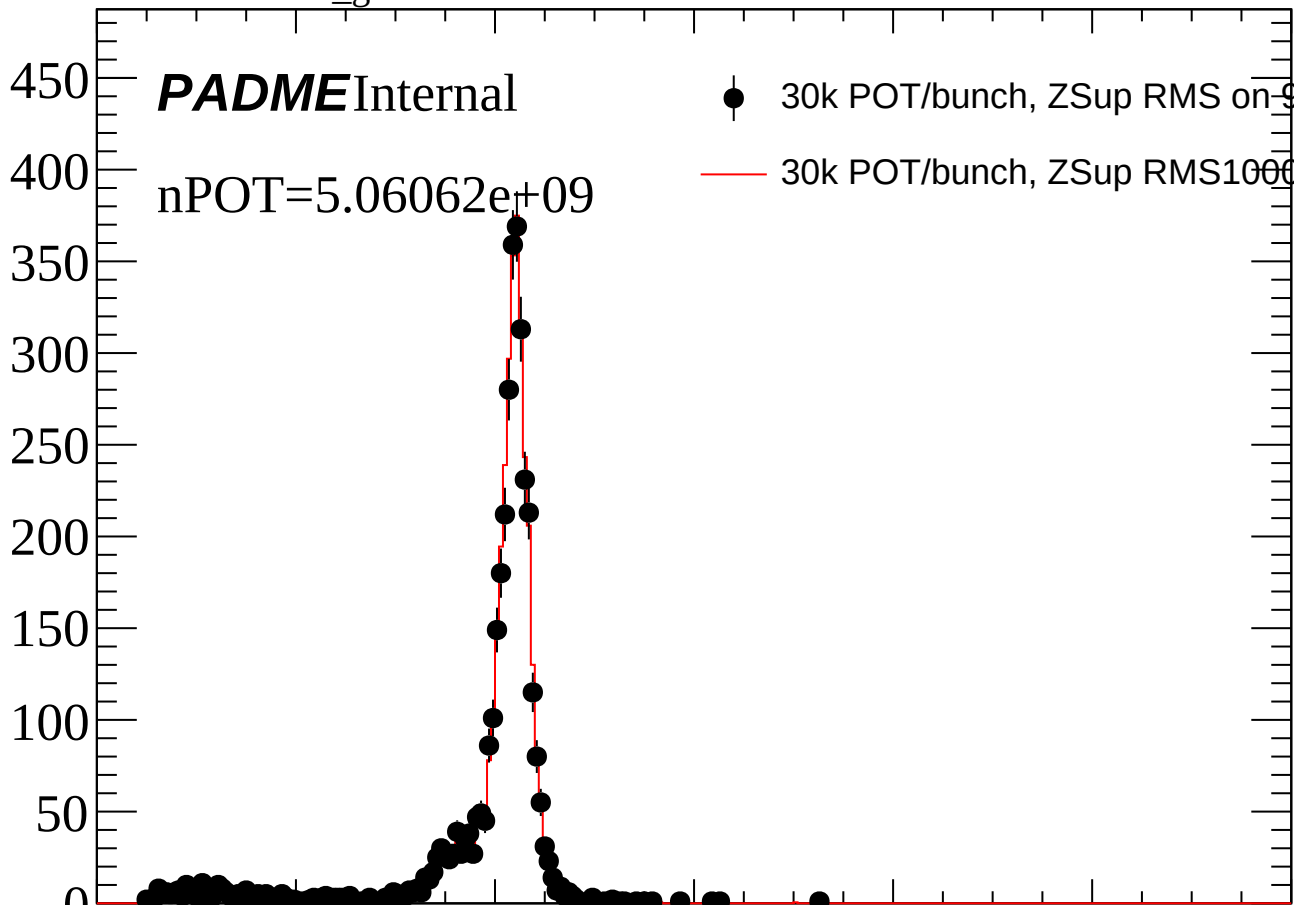
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

RMS994/RMS1000

$E(\gamma_1)+E(\gamma_2)$ [MeV]



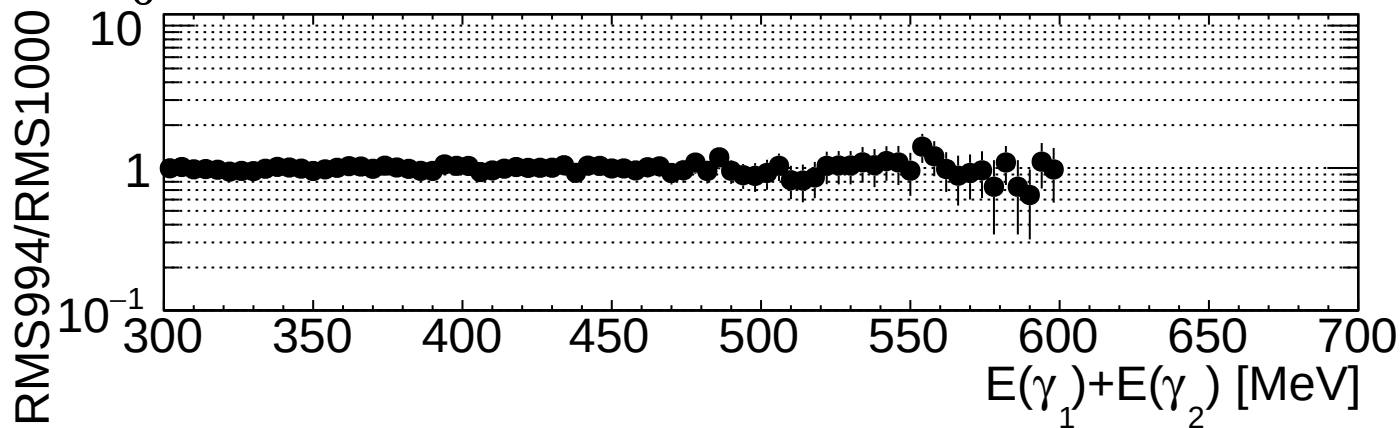
ECAL_twoPhotonInTime10nsUnderPeak

PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



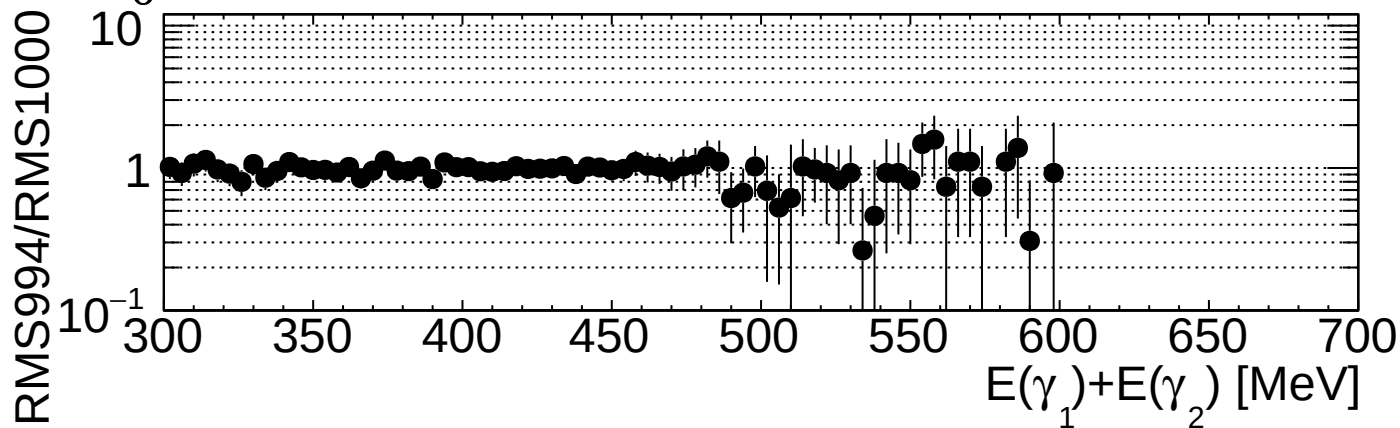
ECAL_twoPhotonInTime10ns20DegreeUnderPeak

PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



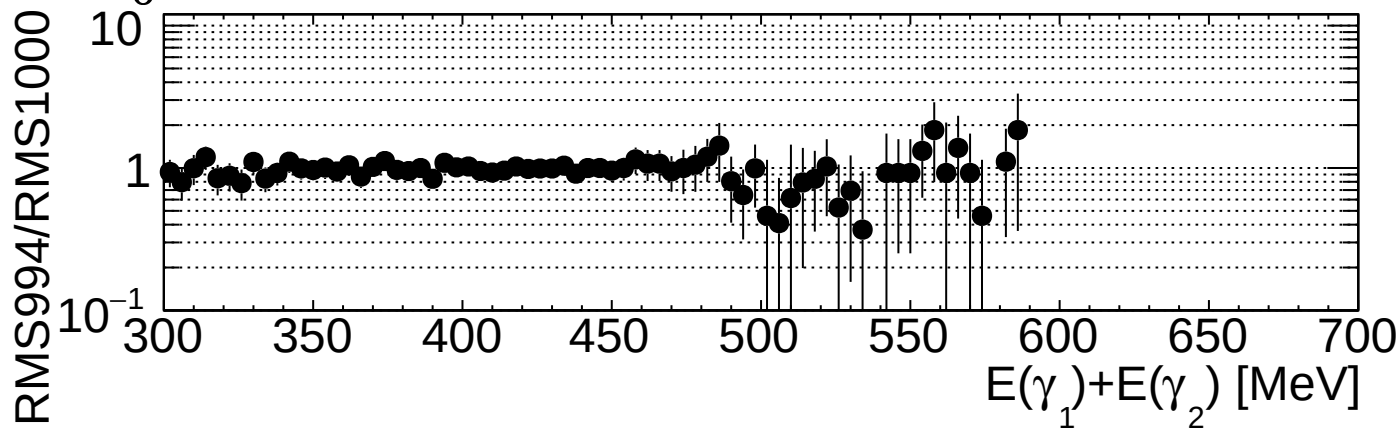
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak

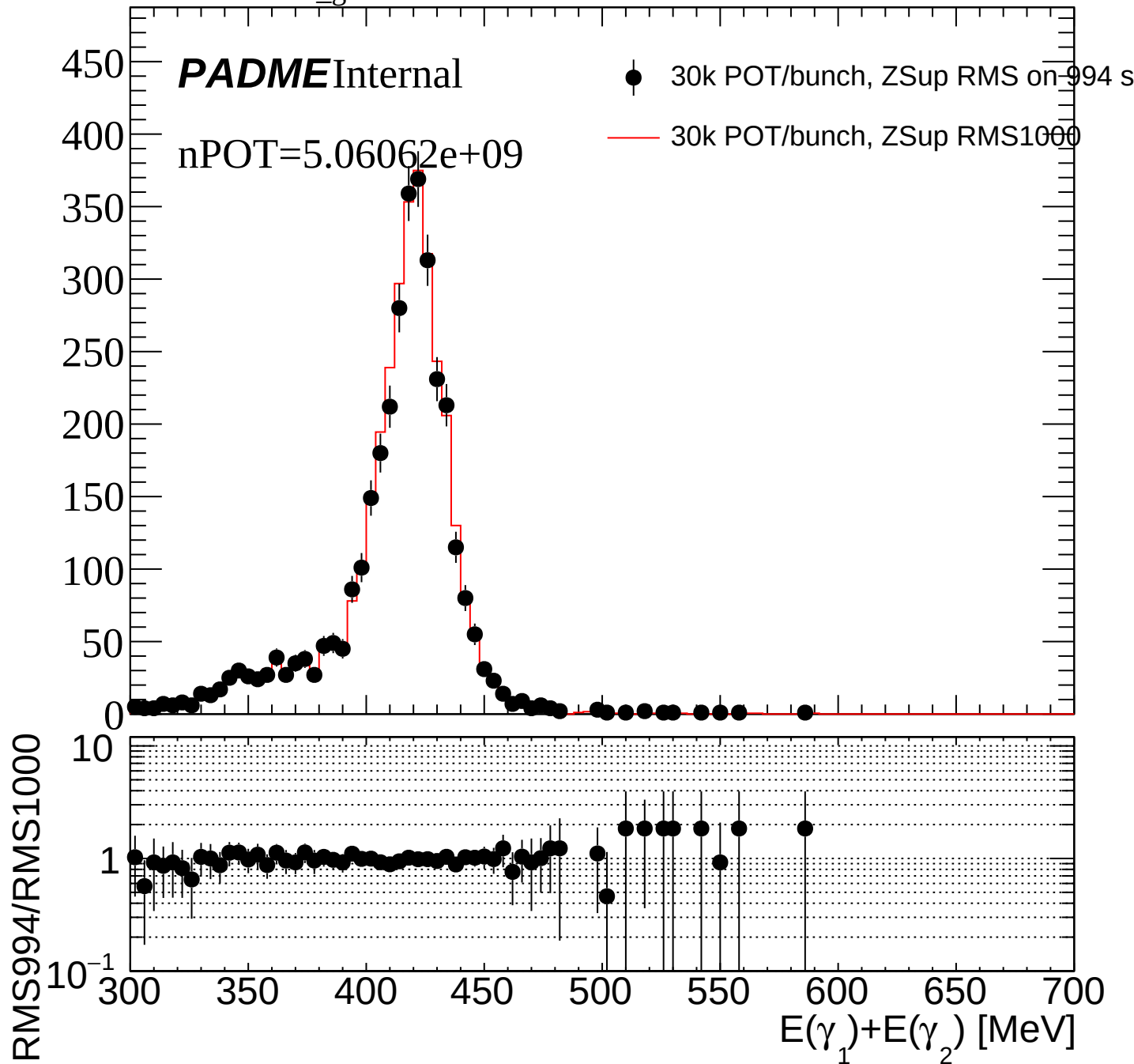
PADME Internal

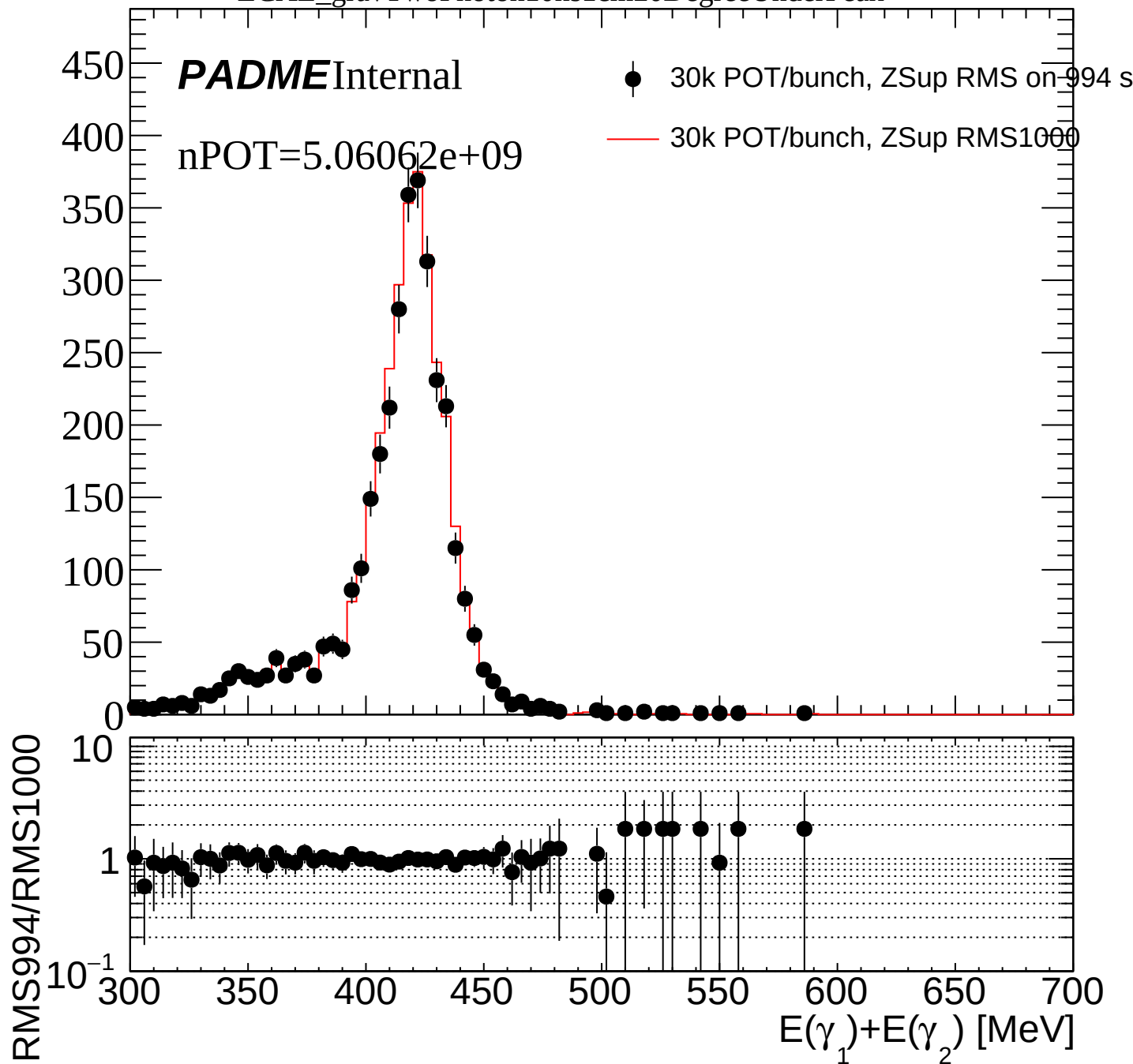
nPOT=5.06062e+09

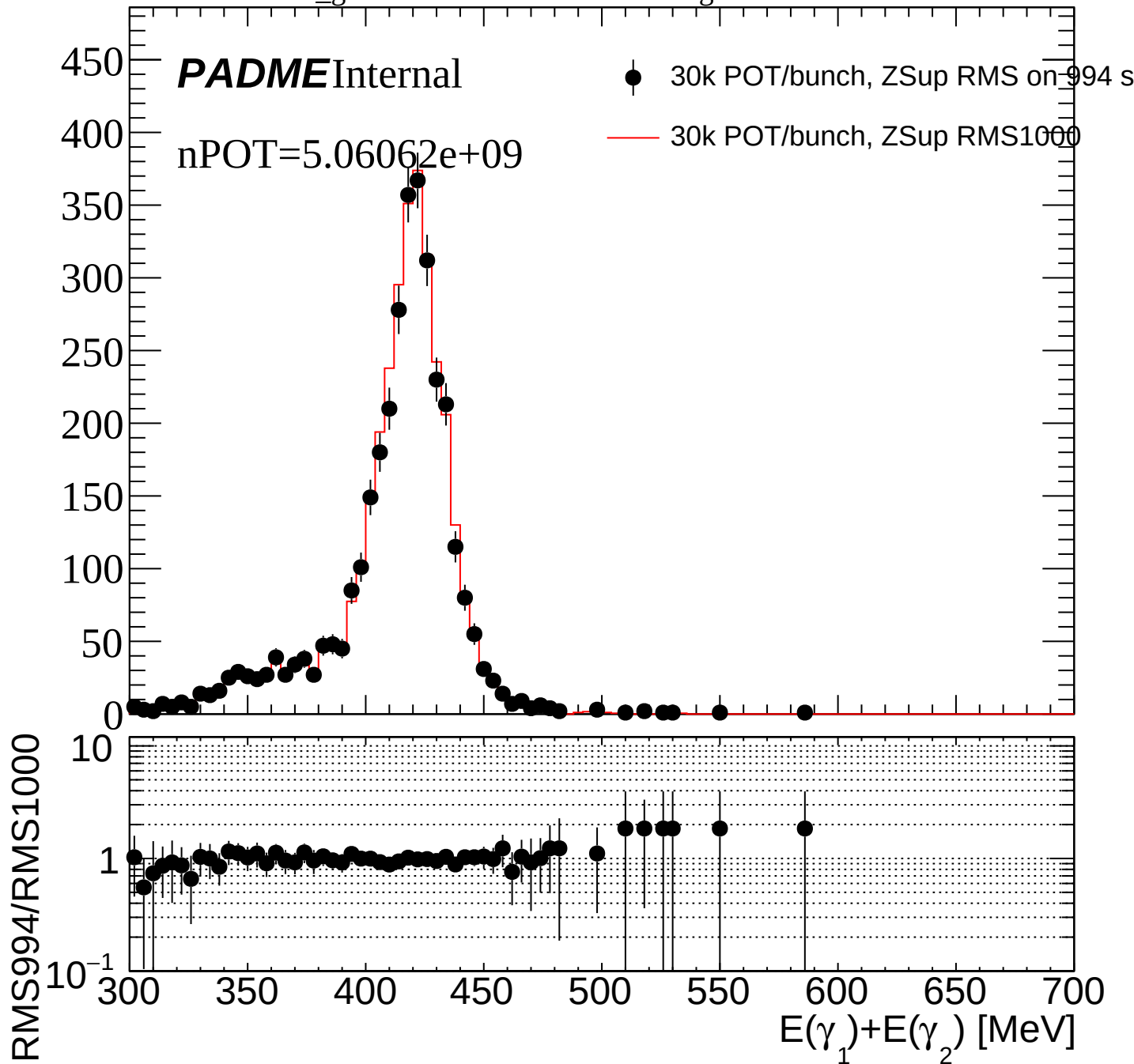
● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000









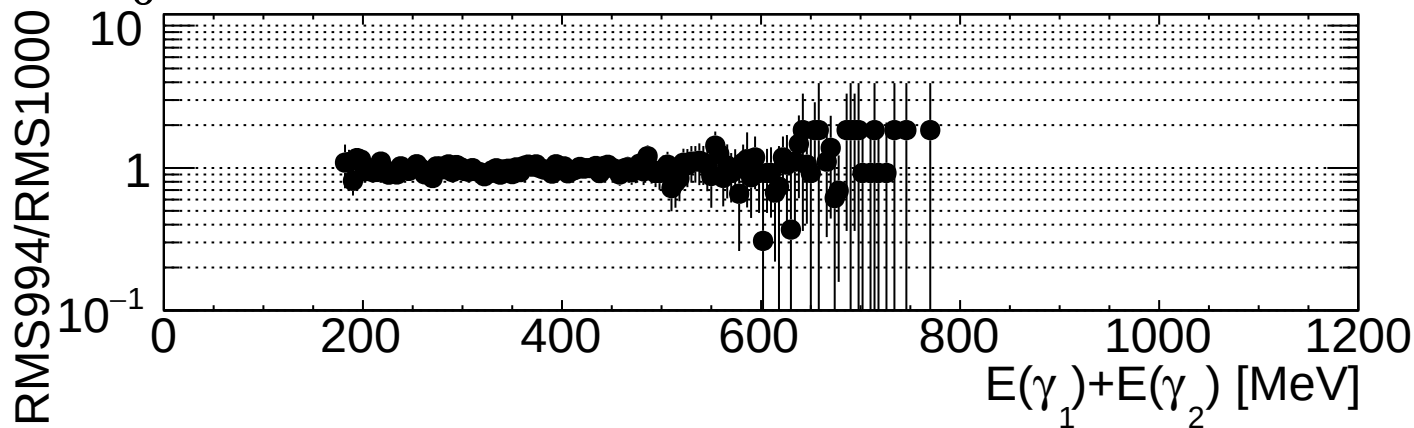
ECAL_twoPhotonInTime10nsEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



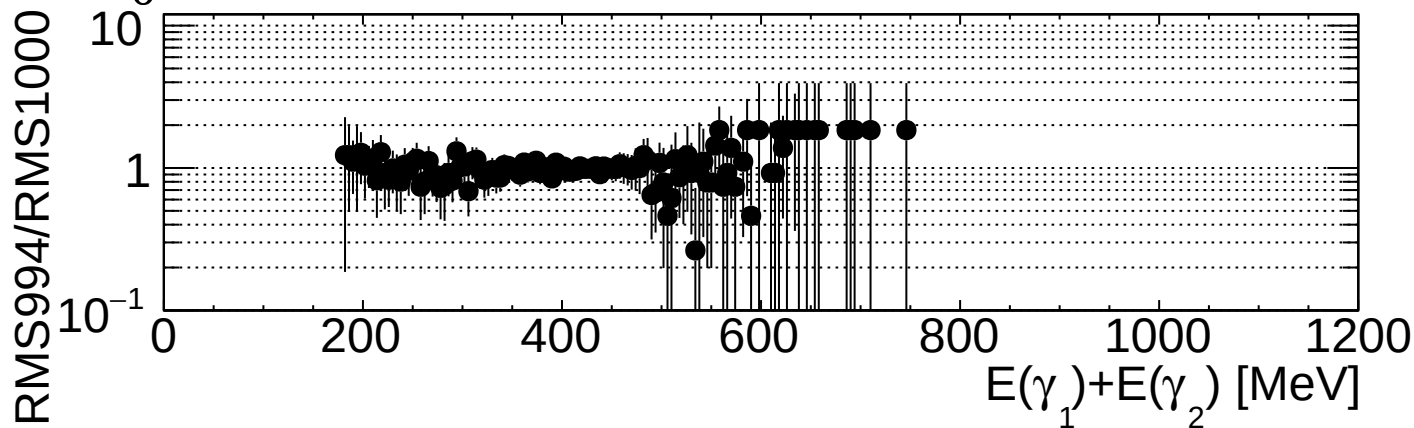
ECAL_twoPhotonInTime10ns20DegreeEThr90

PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



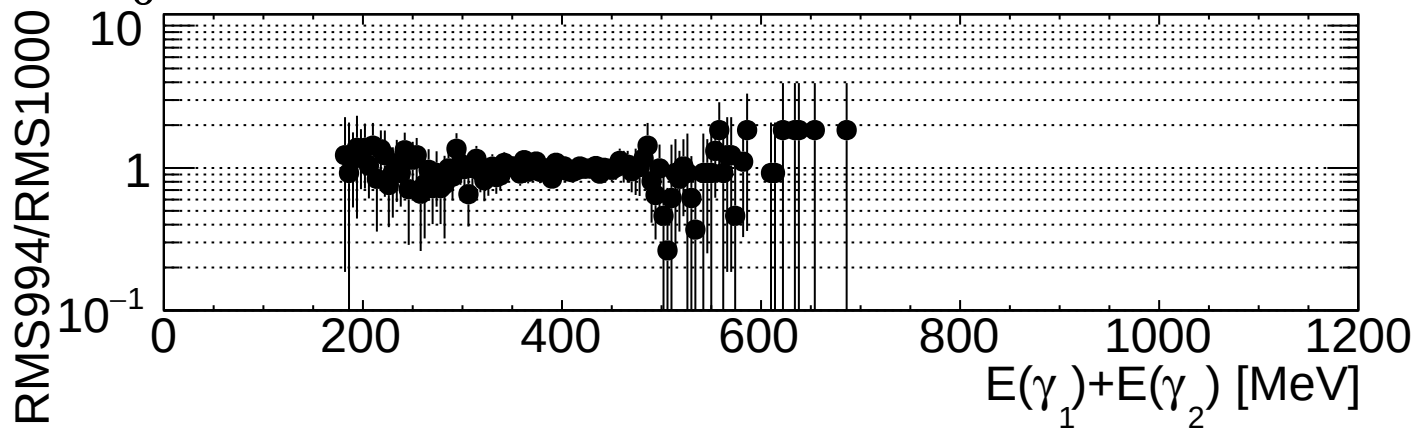
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaEThr90

PADME Internal

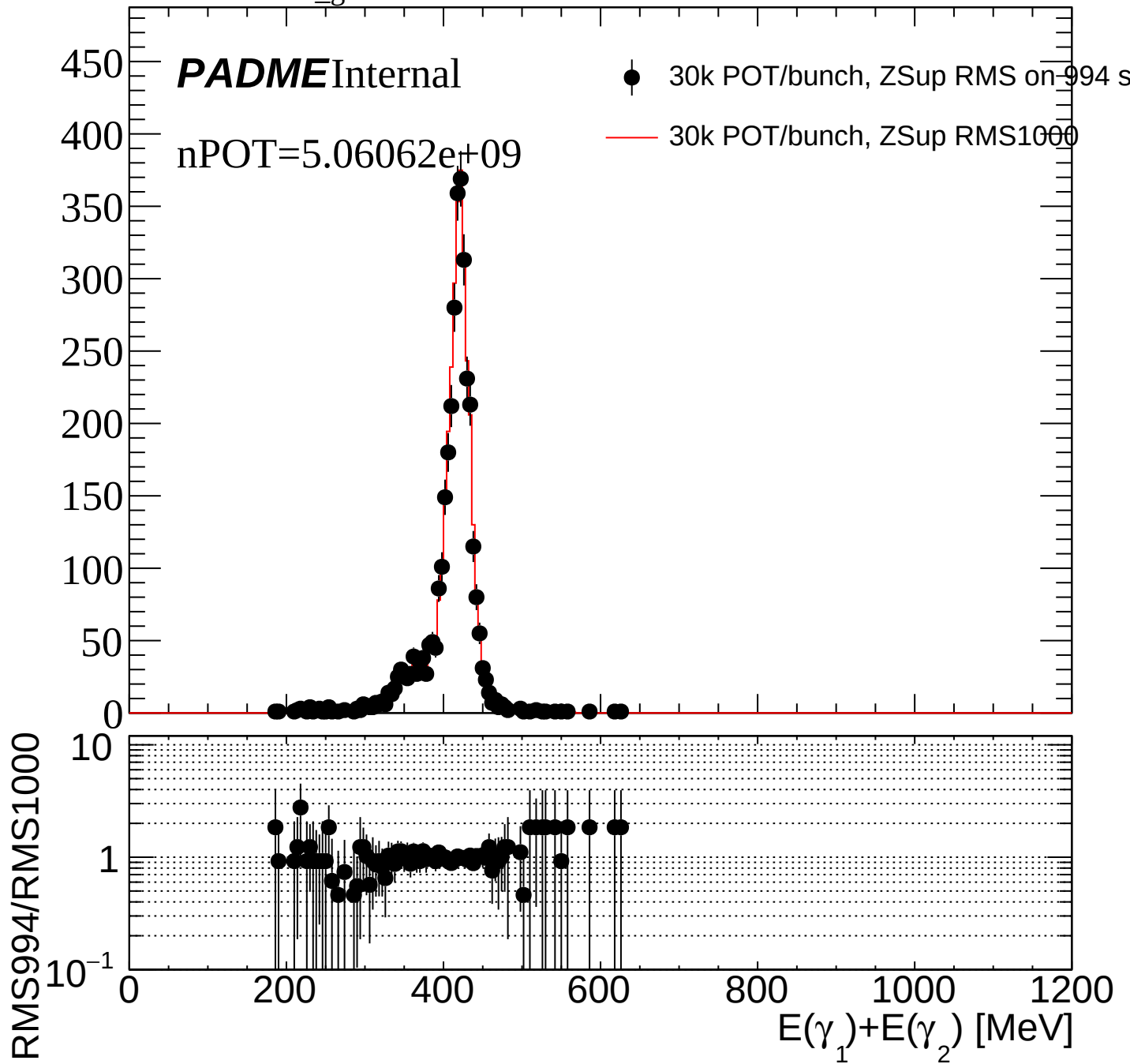
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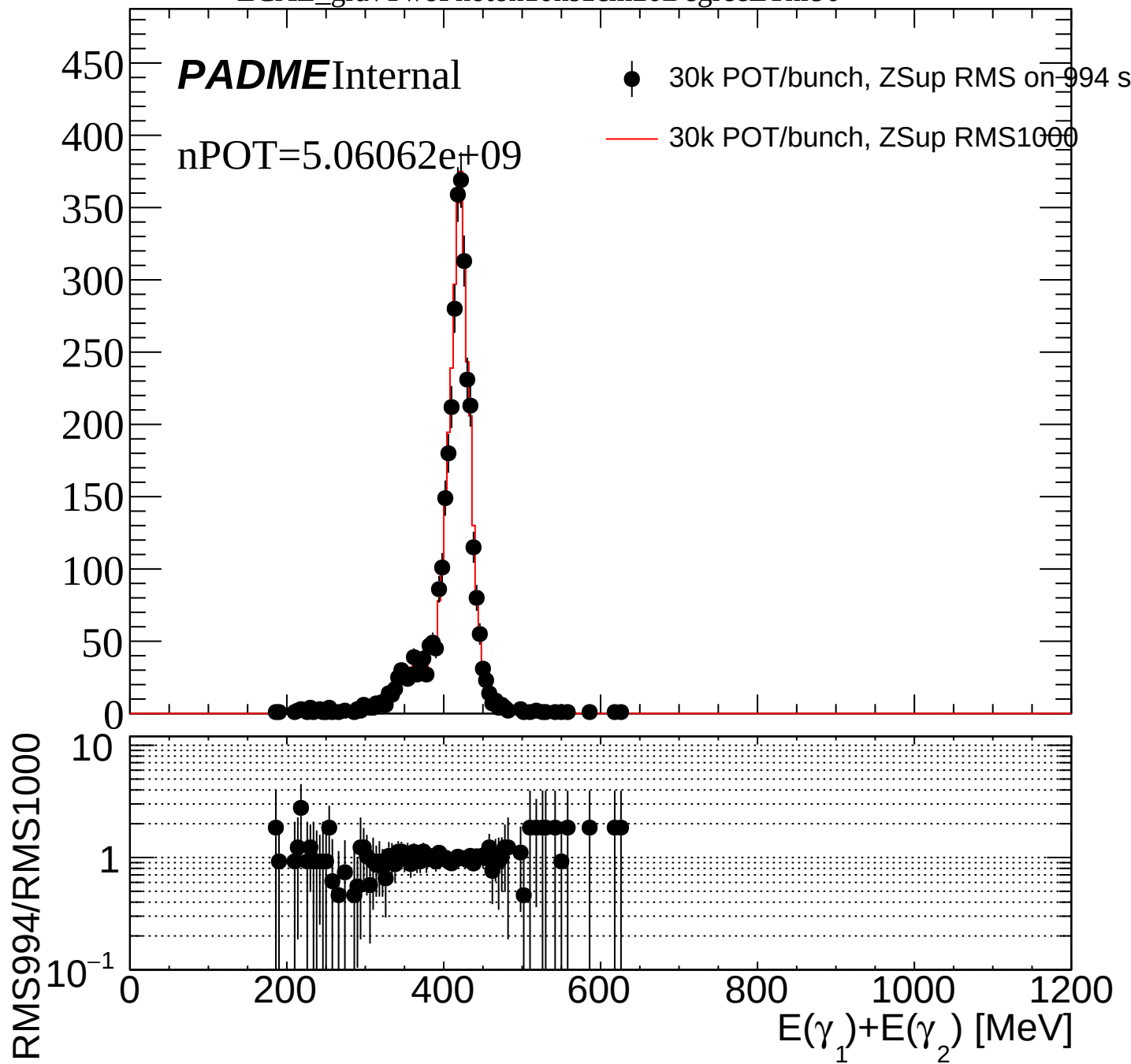
● 30k POT/bunch, ZSup RMS on 994 s

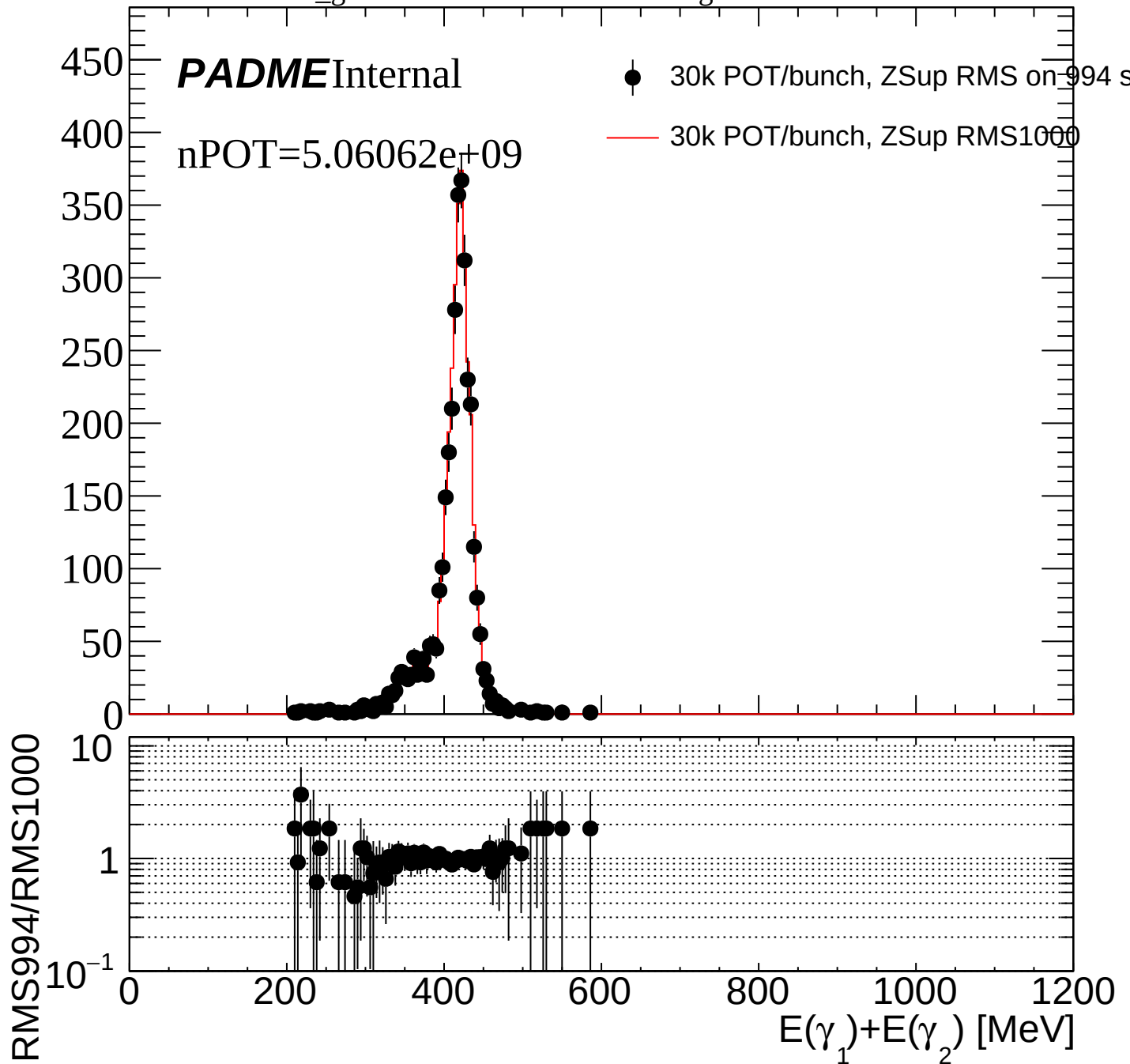
— 30k POT/bunch, ZSup RMS1000



ECAL_gravTwoPhoton10ns1cmEThr90







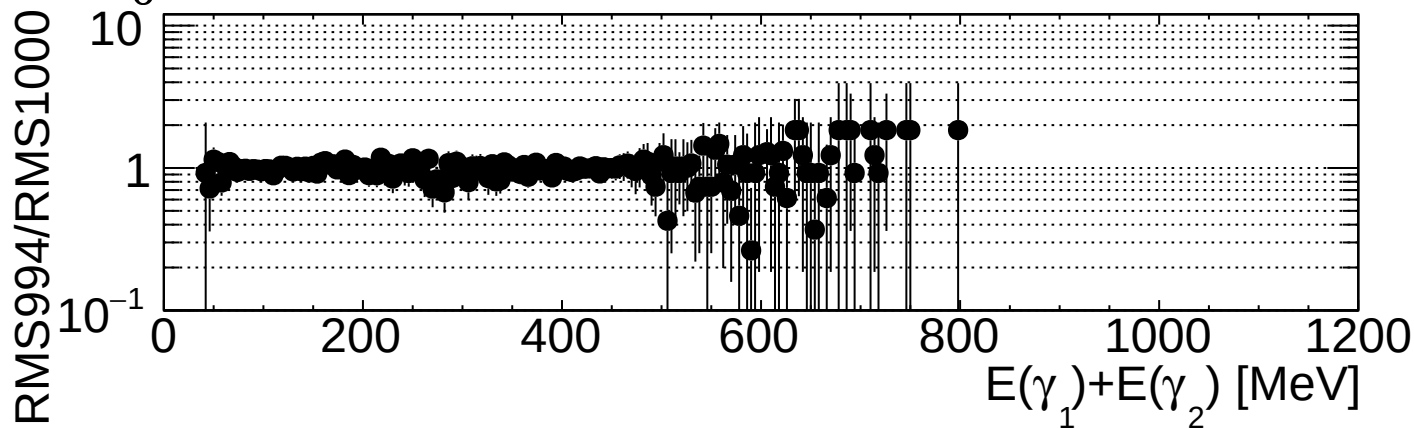
ECAL_gravTwoPhoton10ns5cm

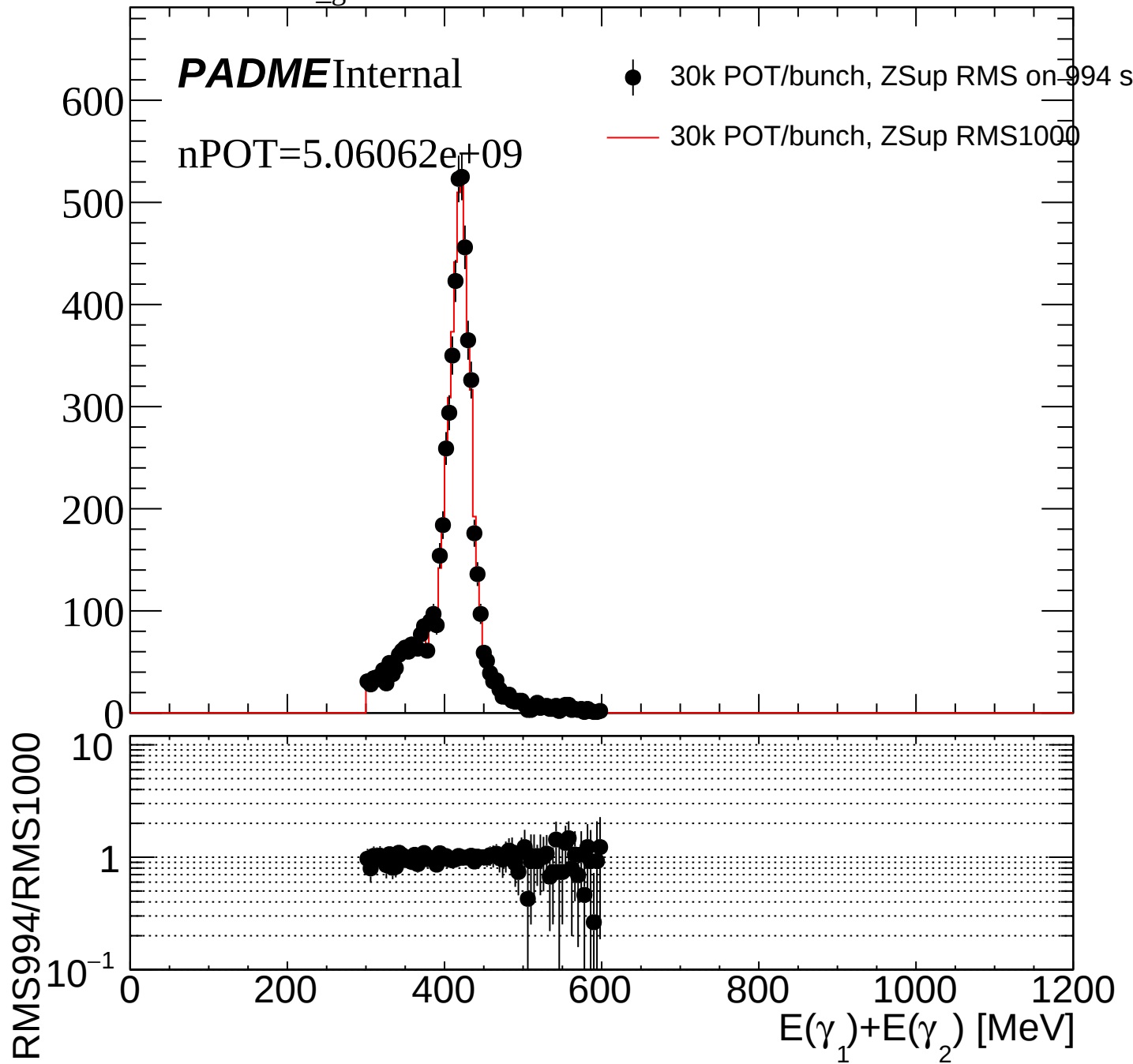
PADME Internal

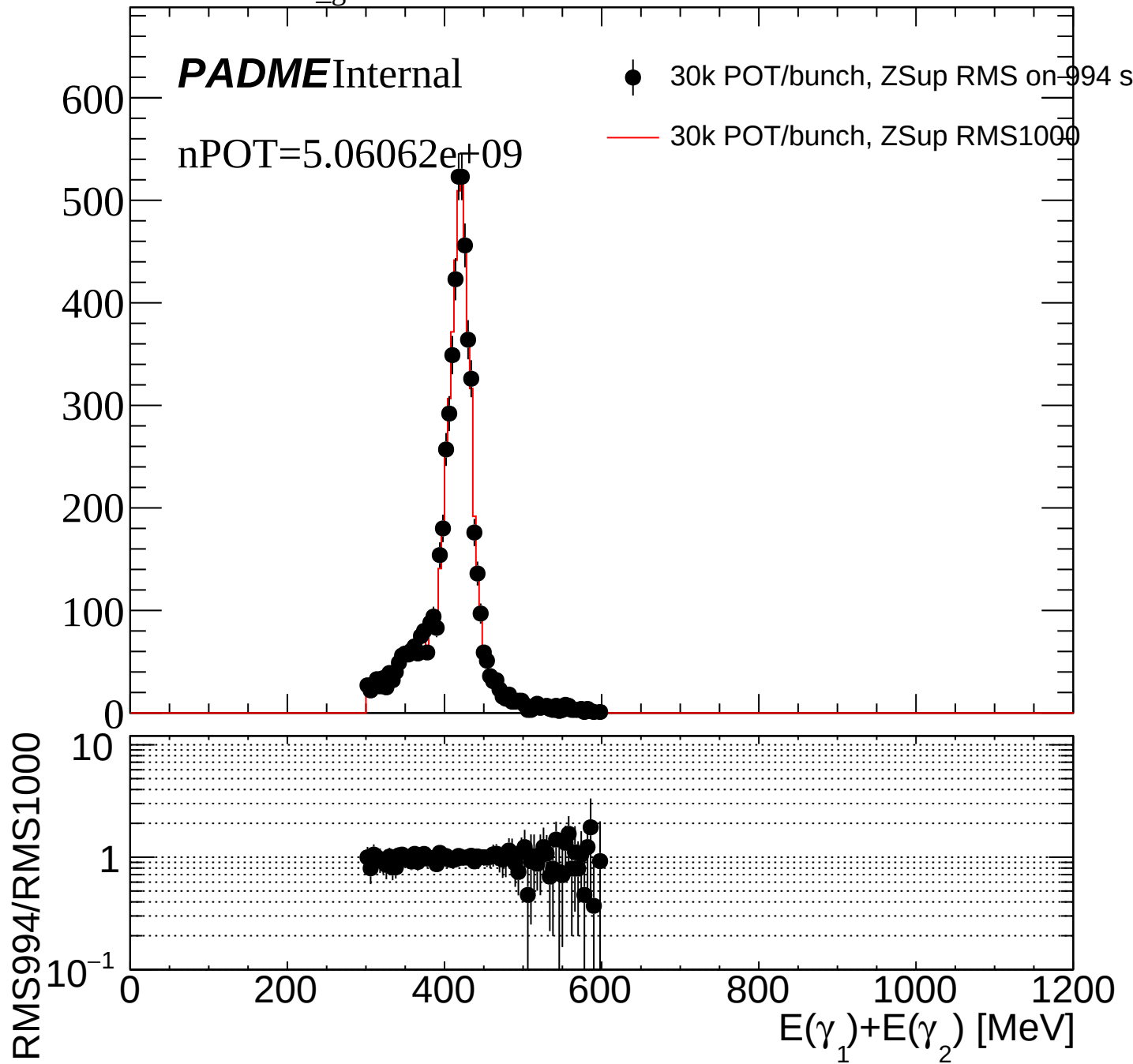
nPOT=5.06062e+09

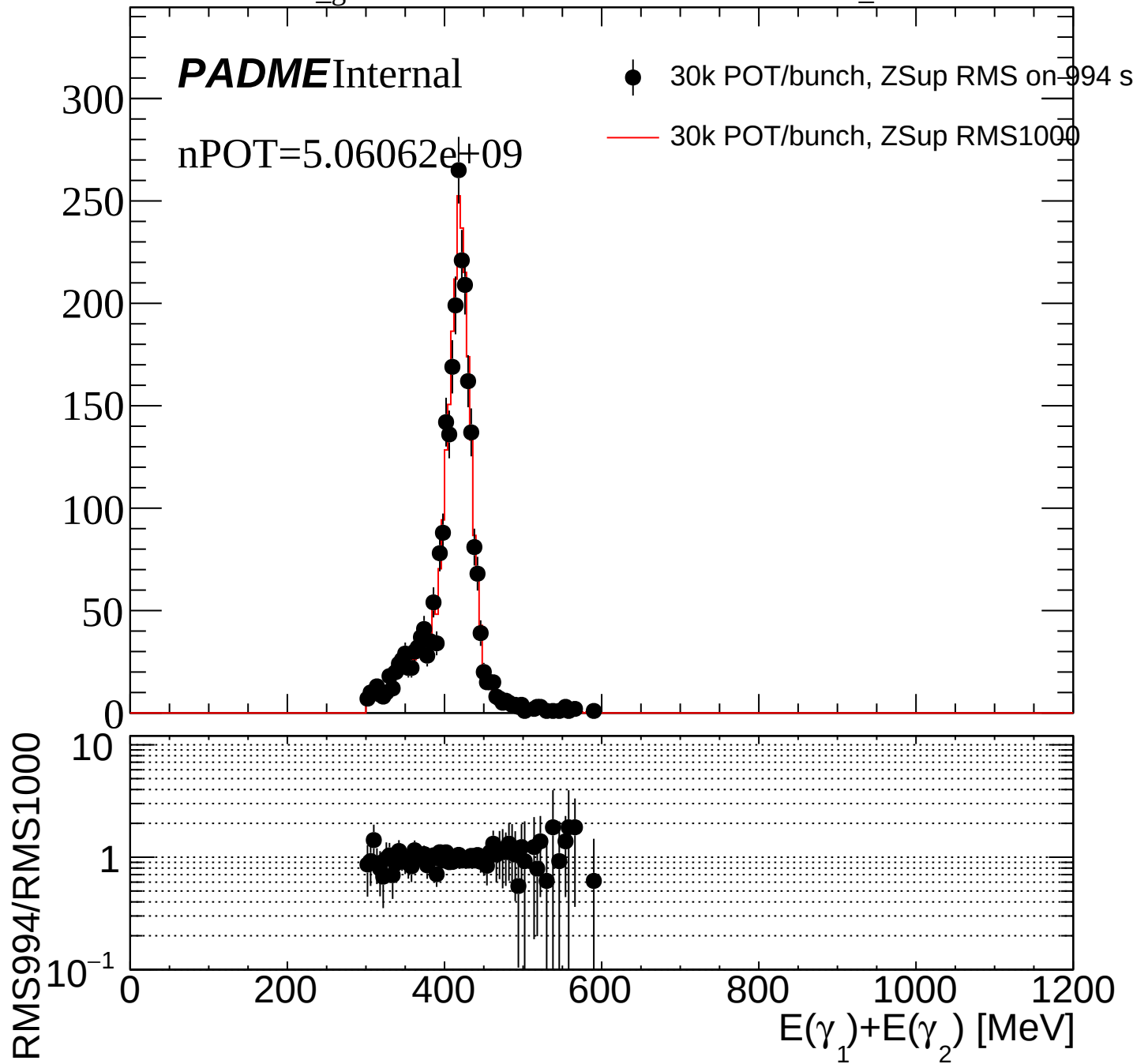
● 30k POT/bunch, ZSup RMS on 994 s

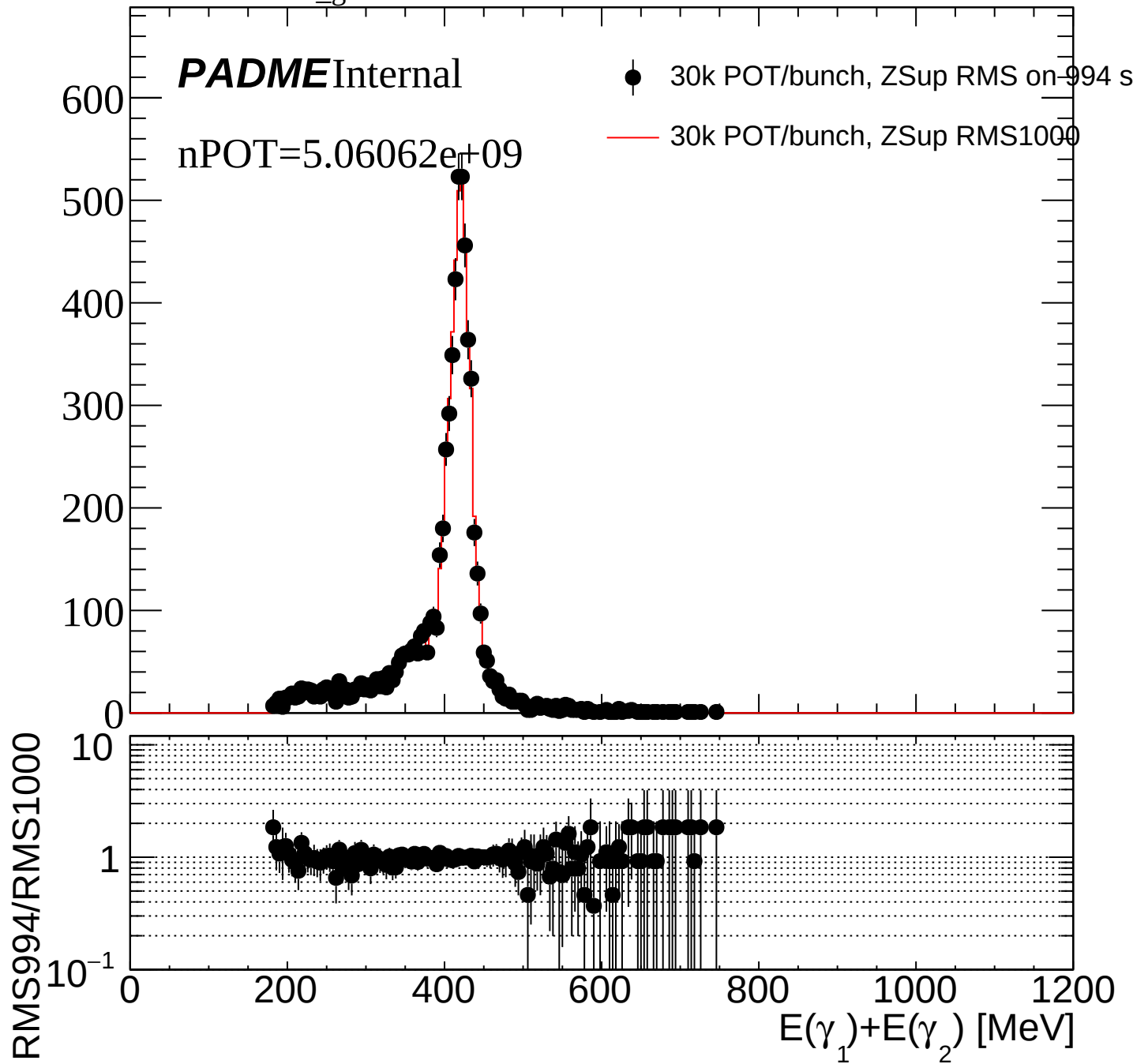
— 30k POT/bunch, ZSup RMS1000

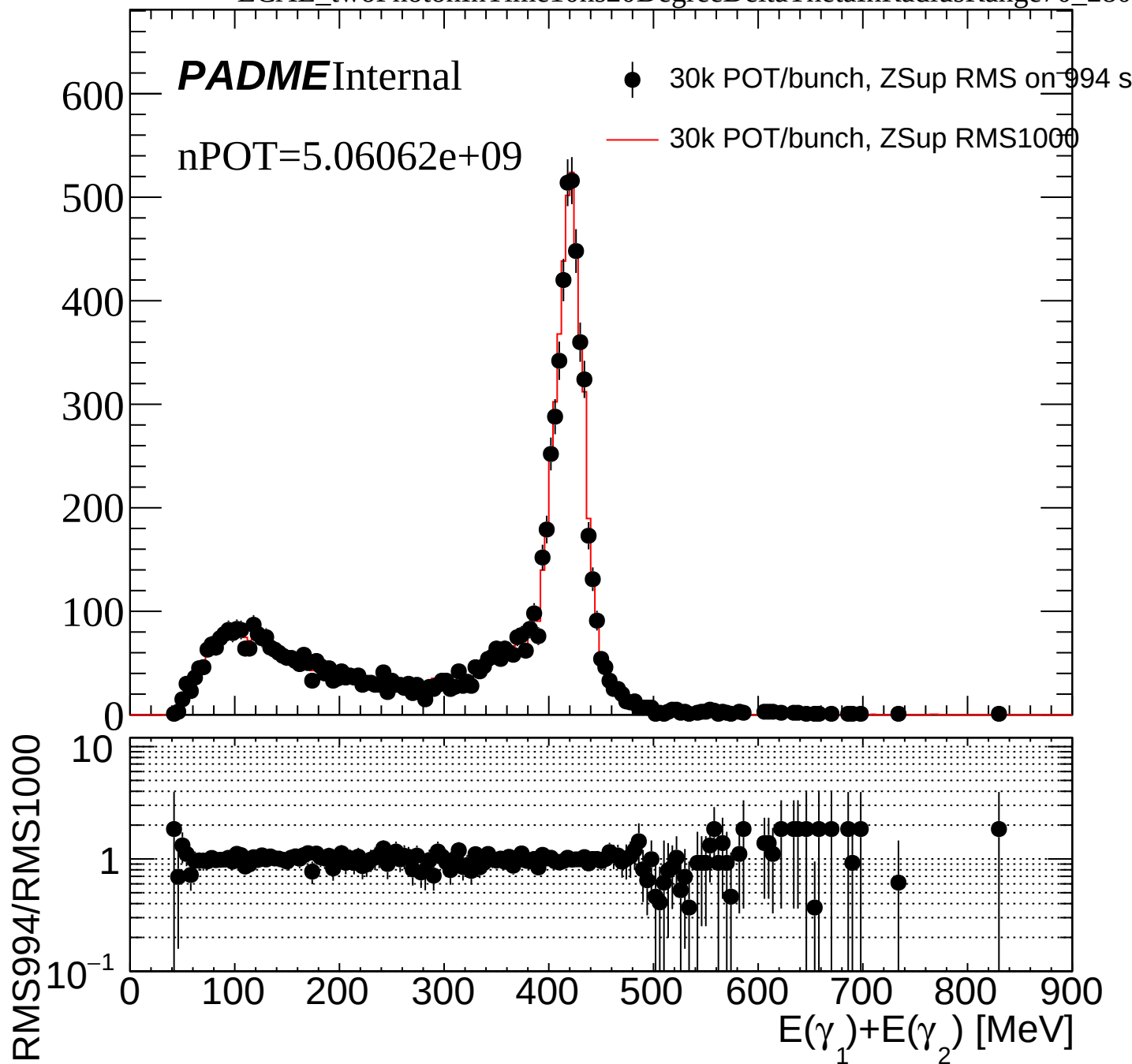


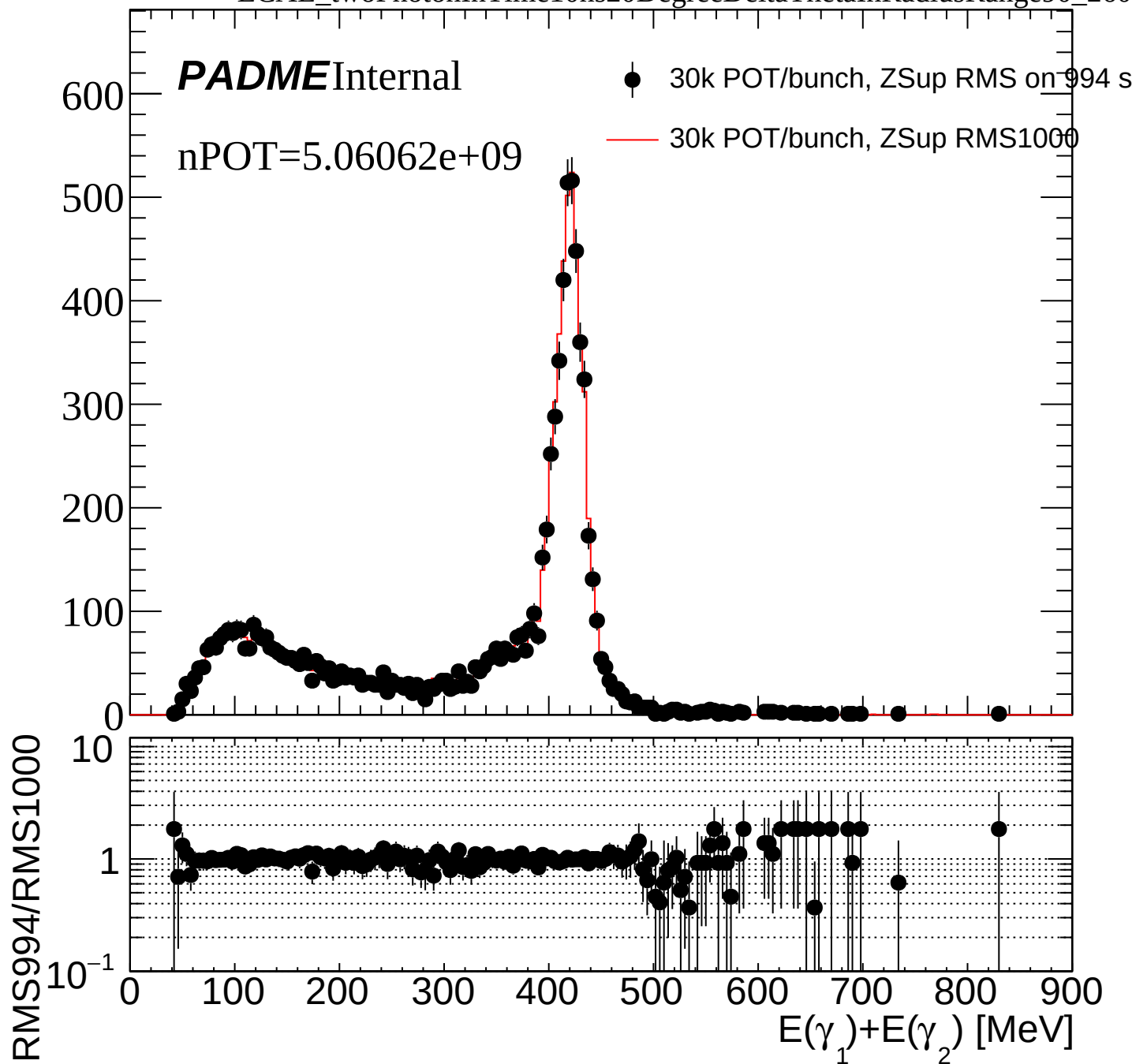


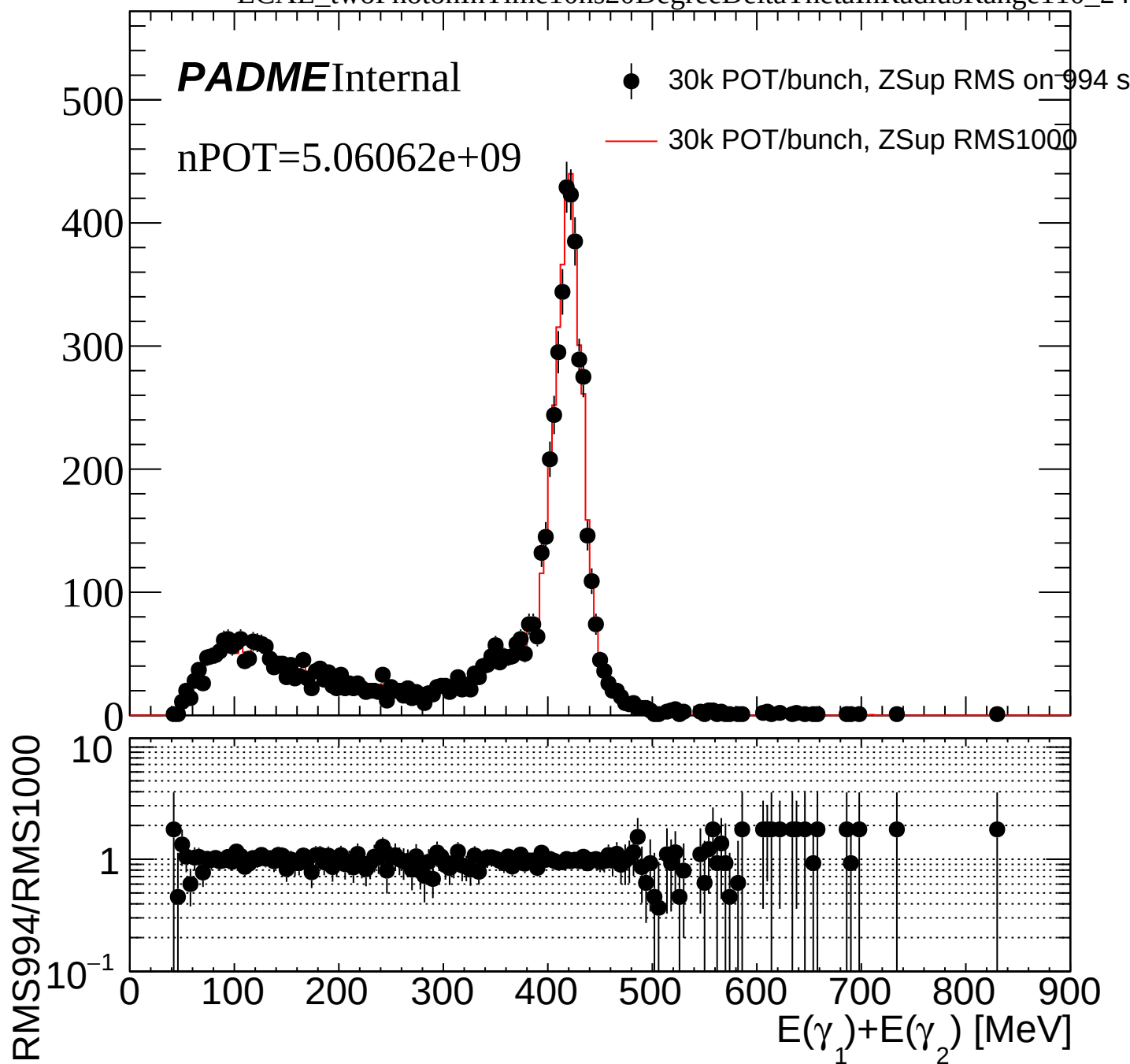


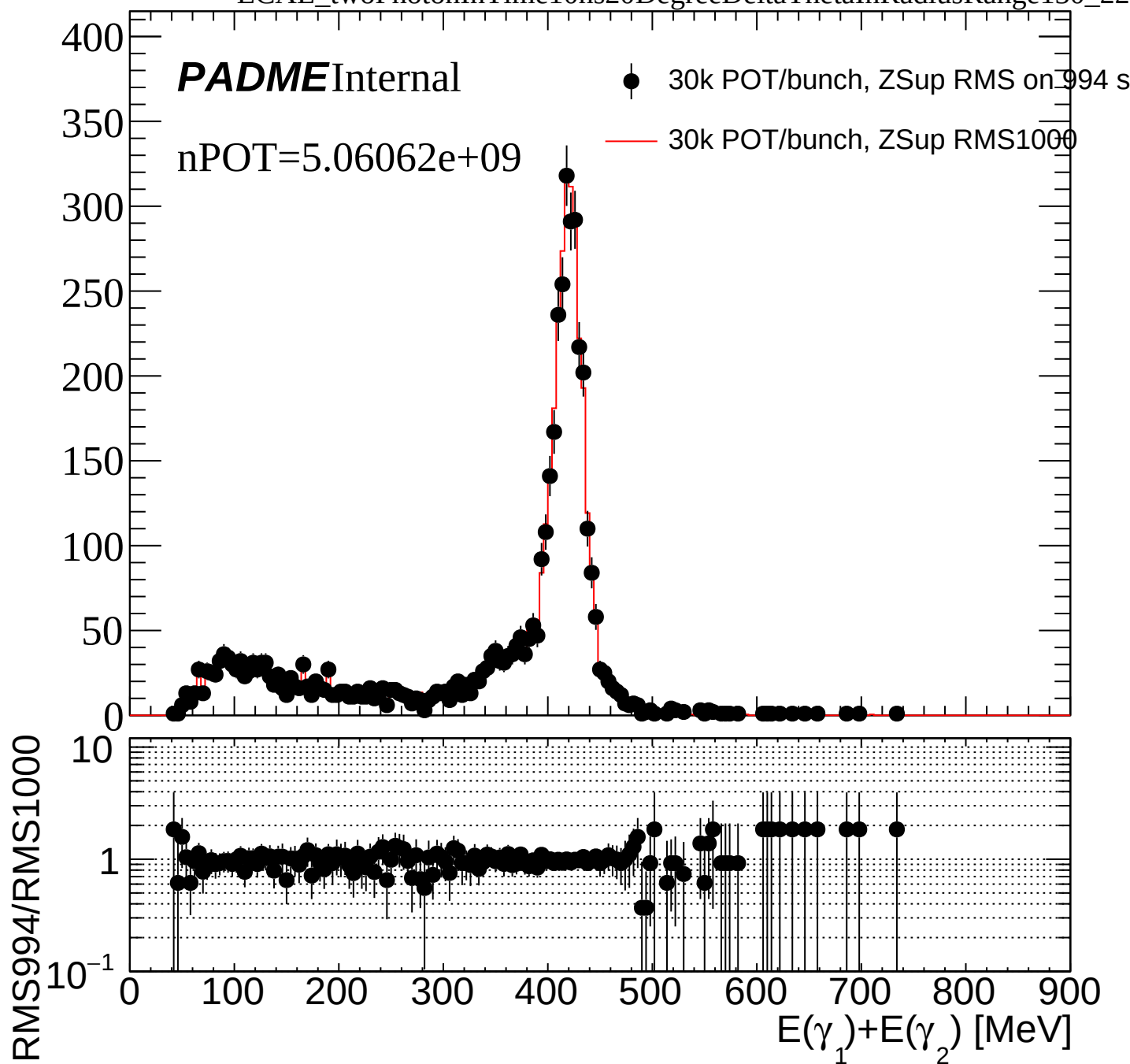


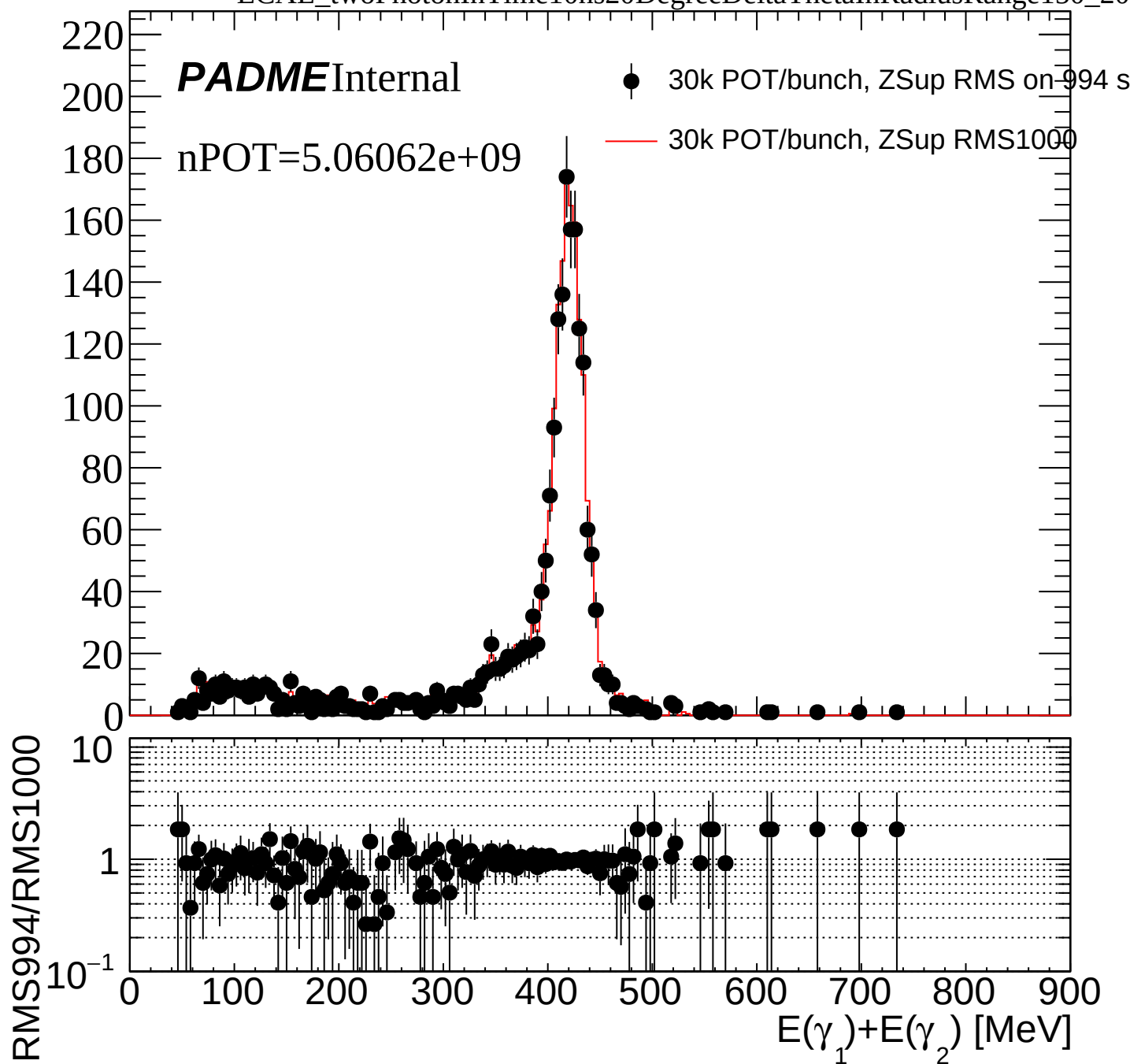


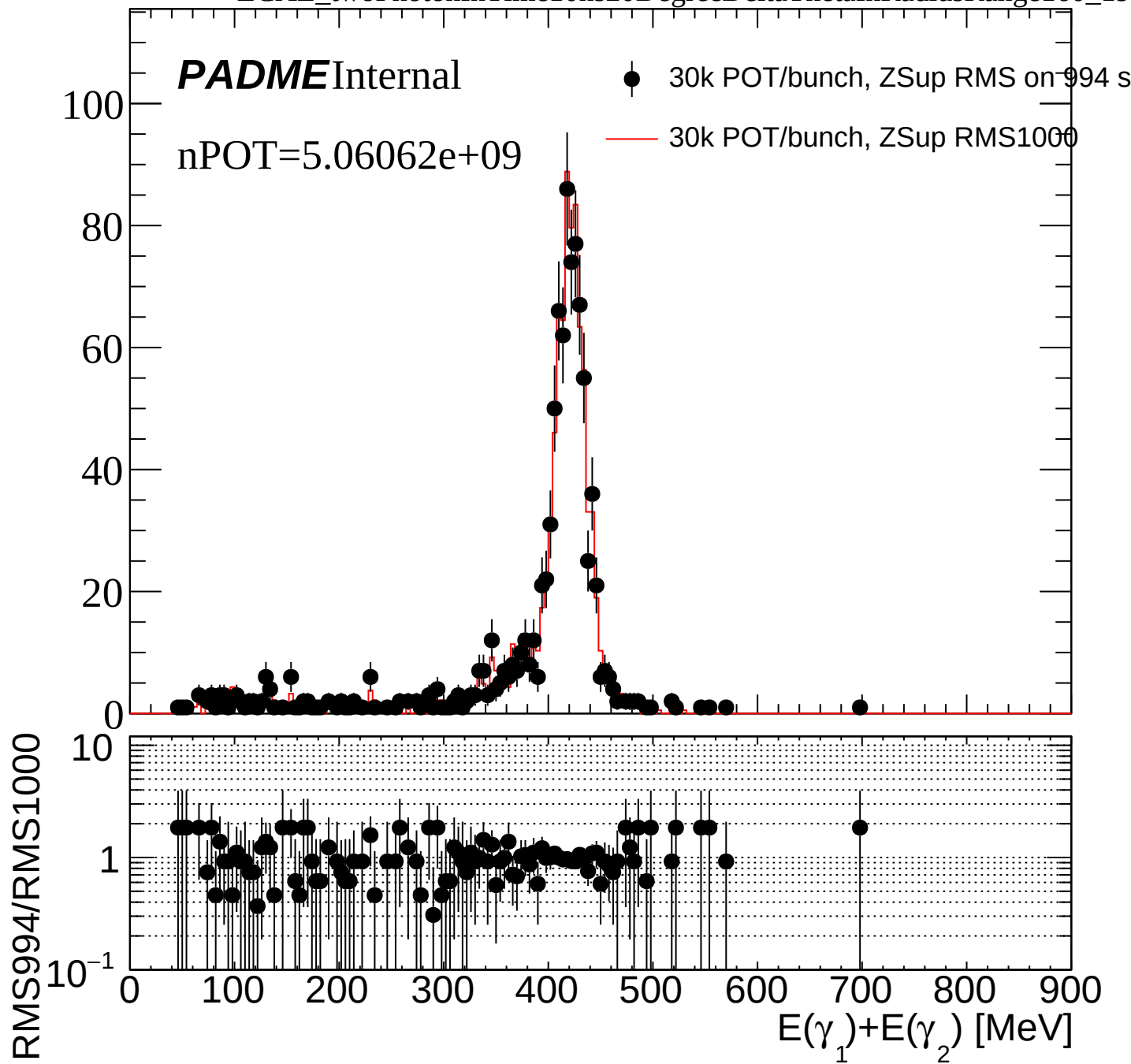


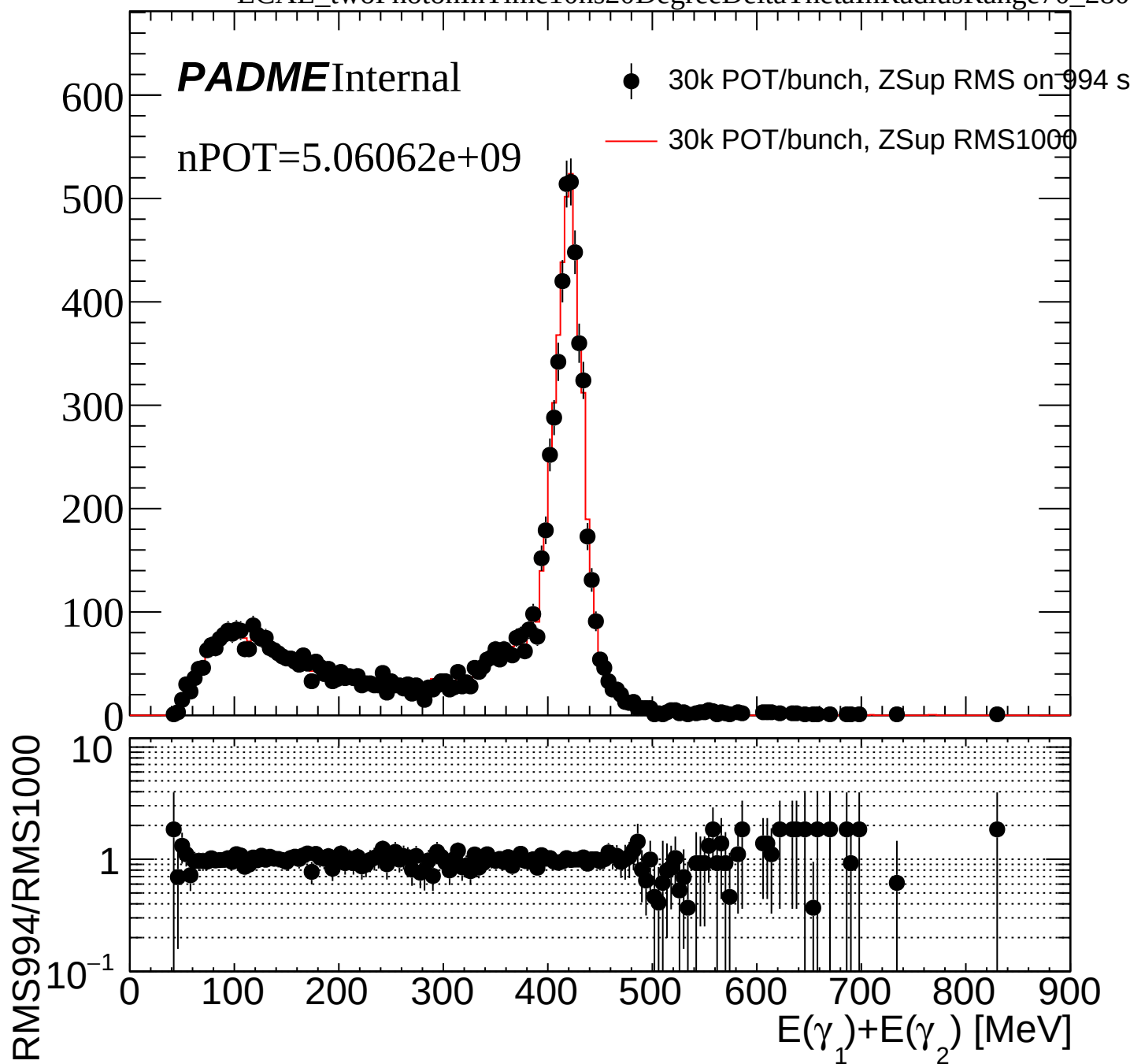


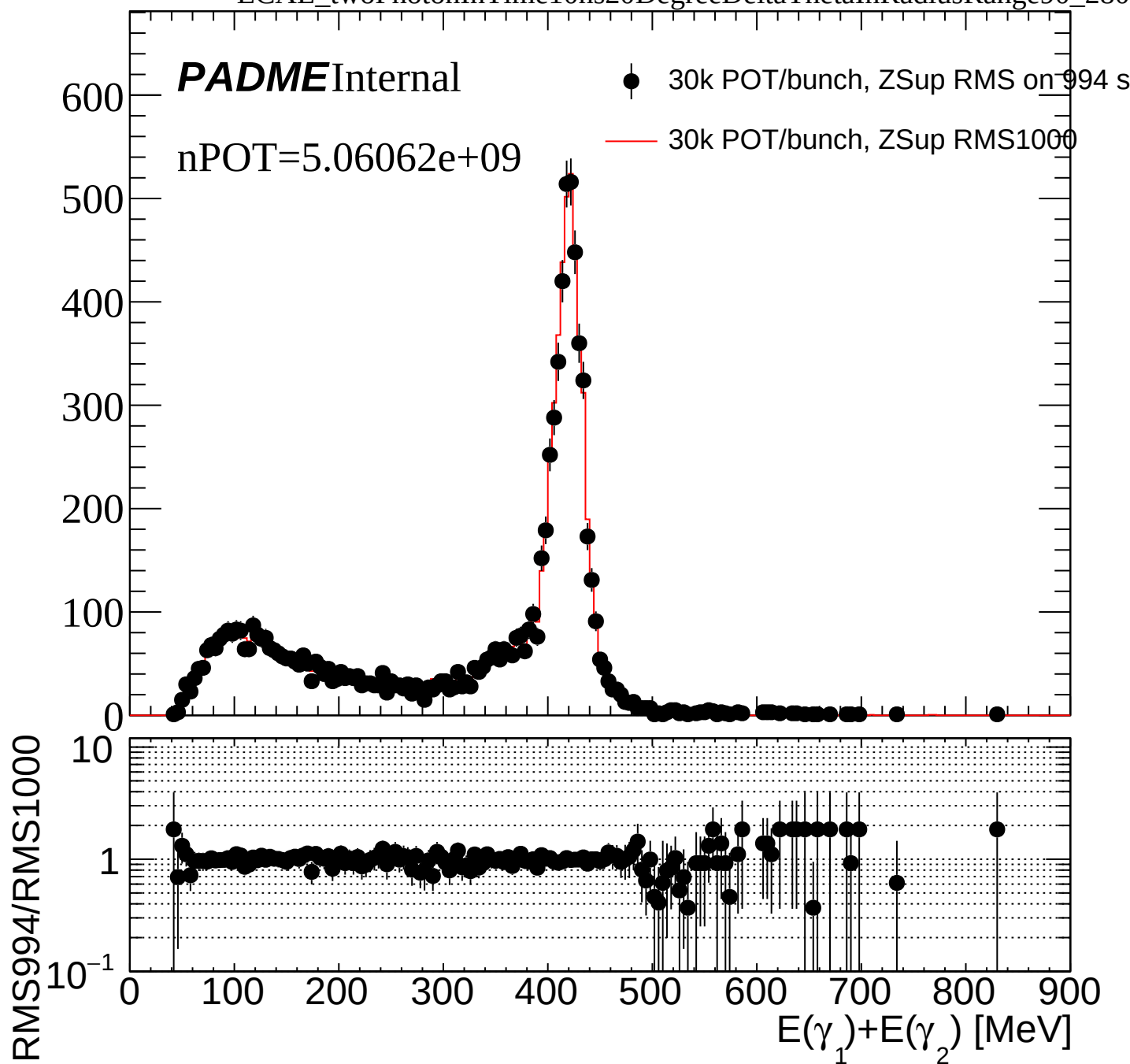


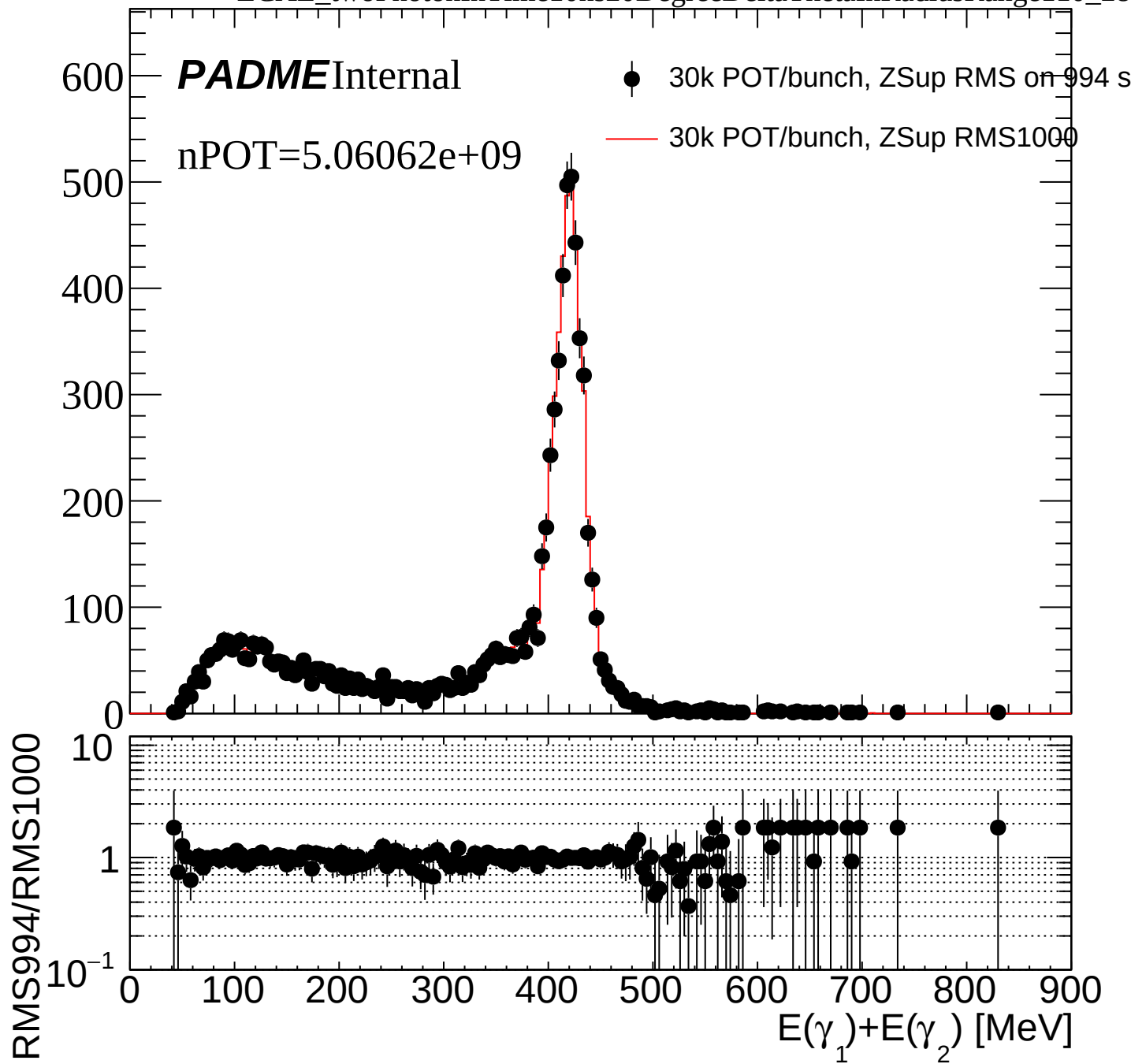


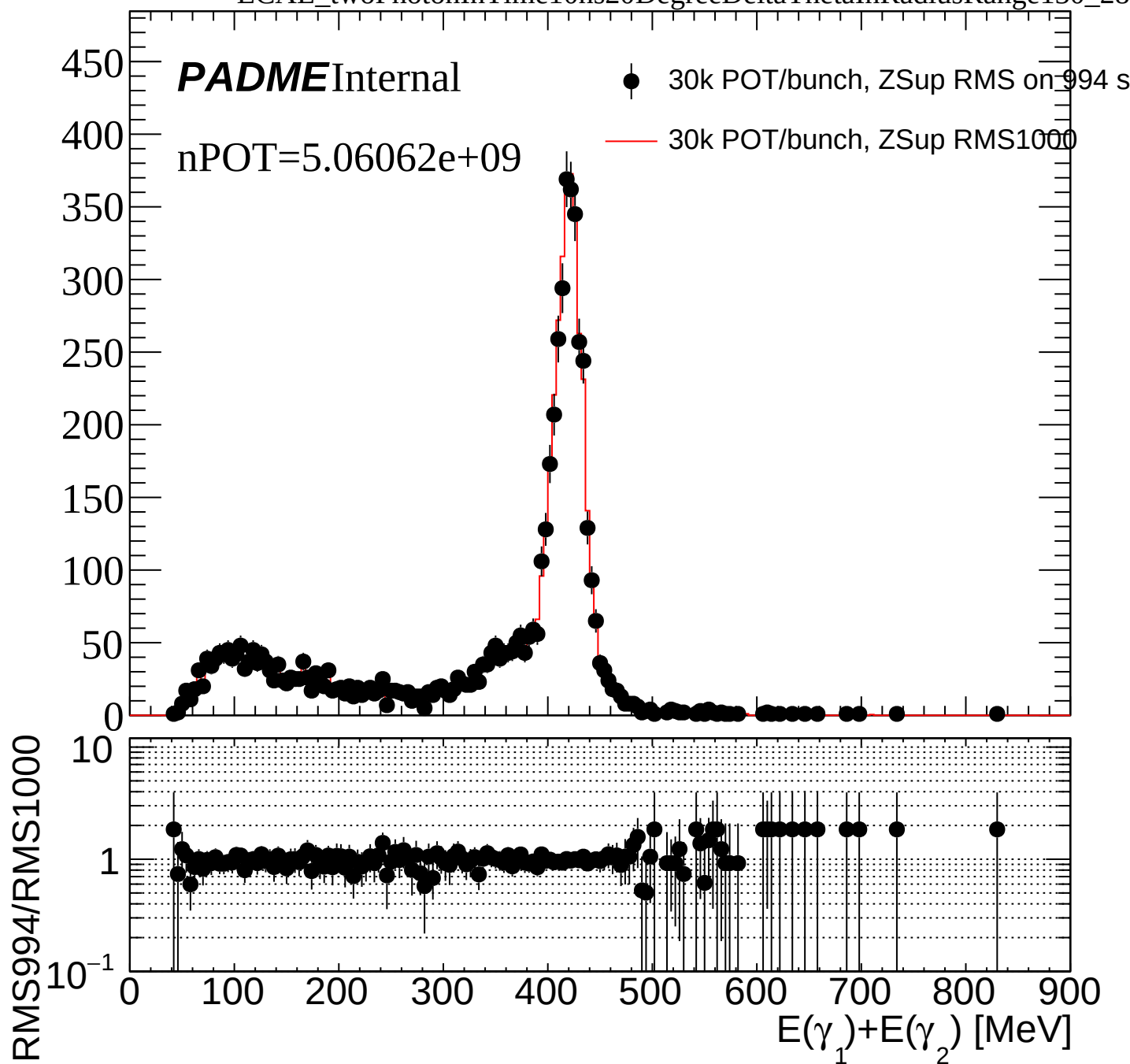


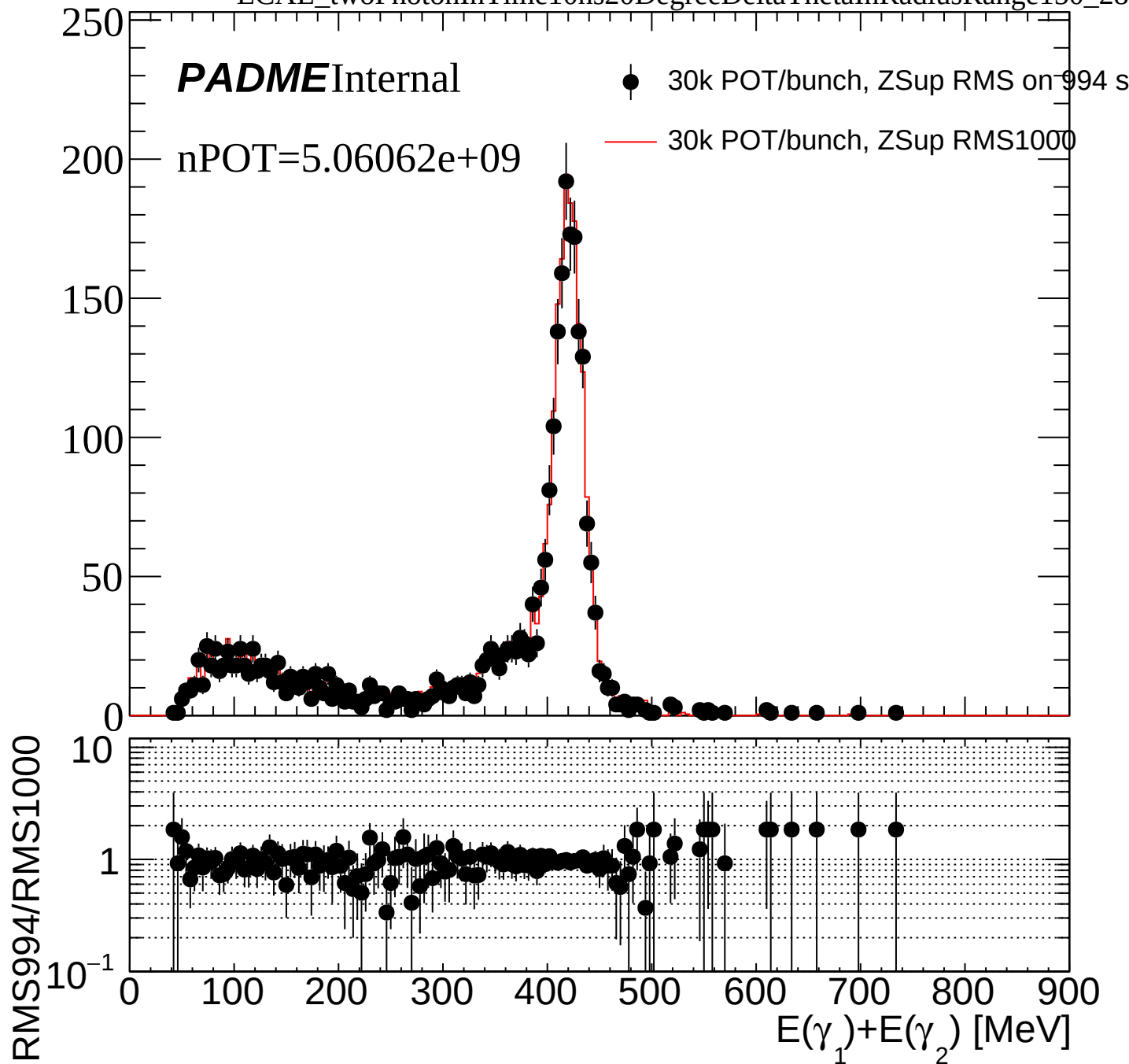


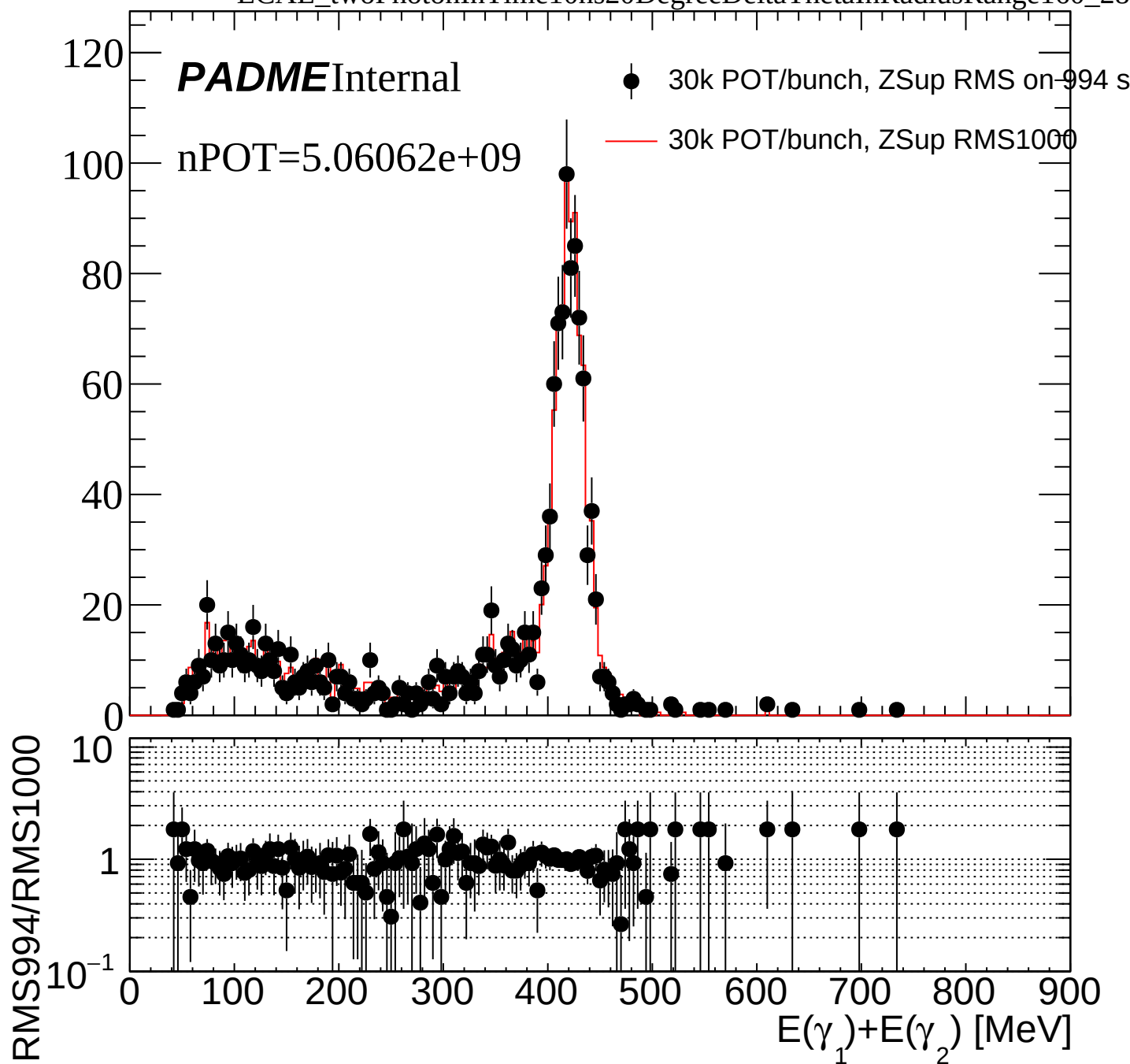


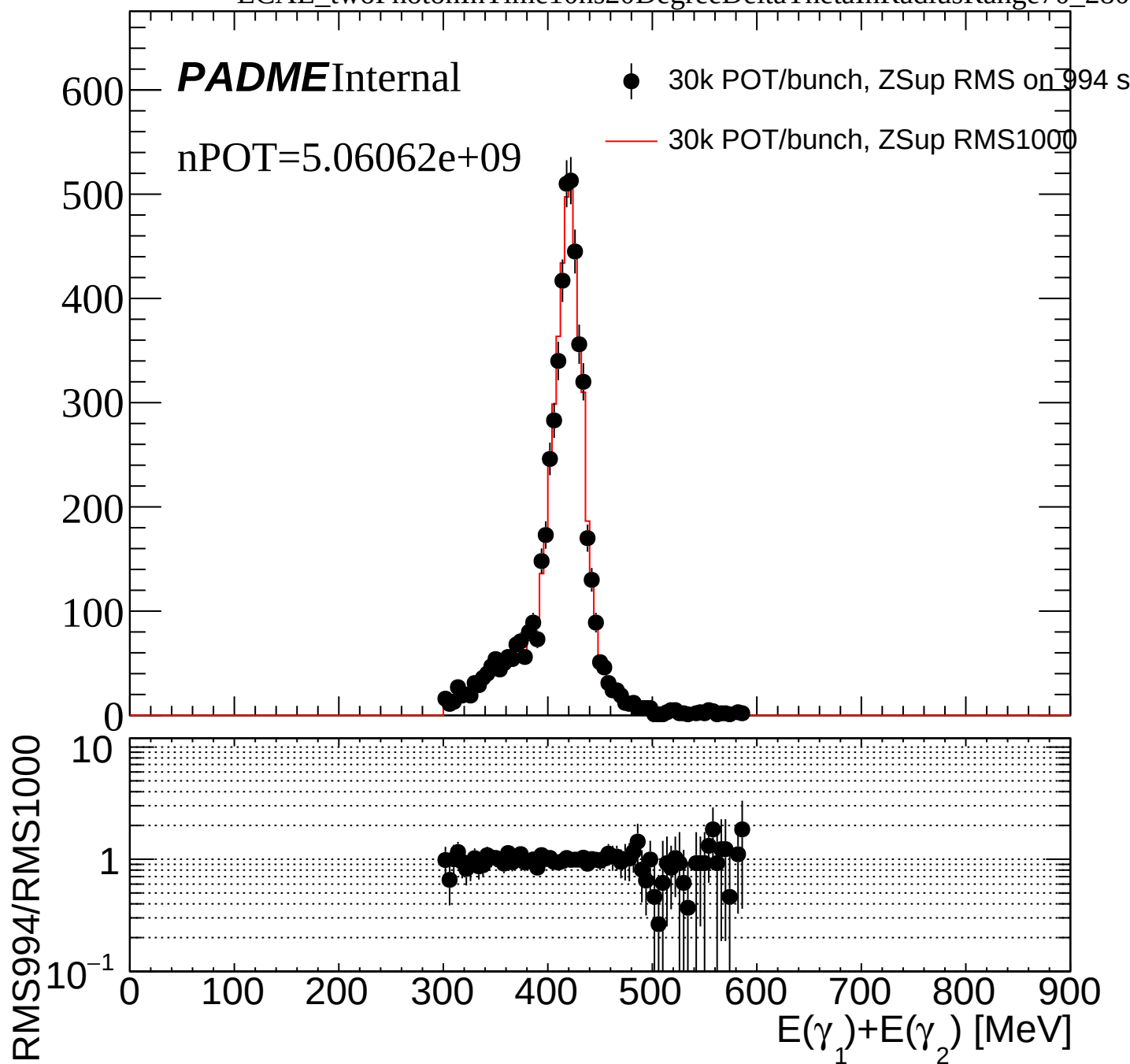


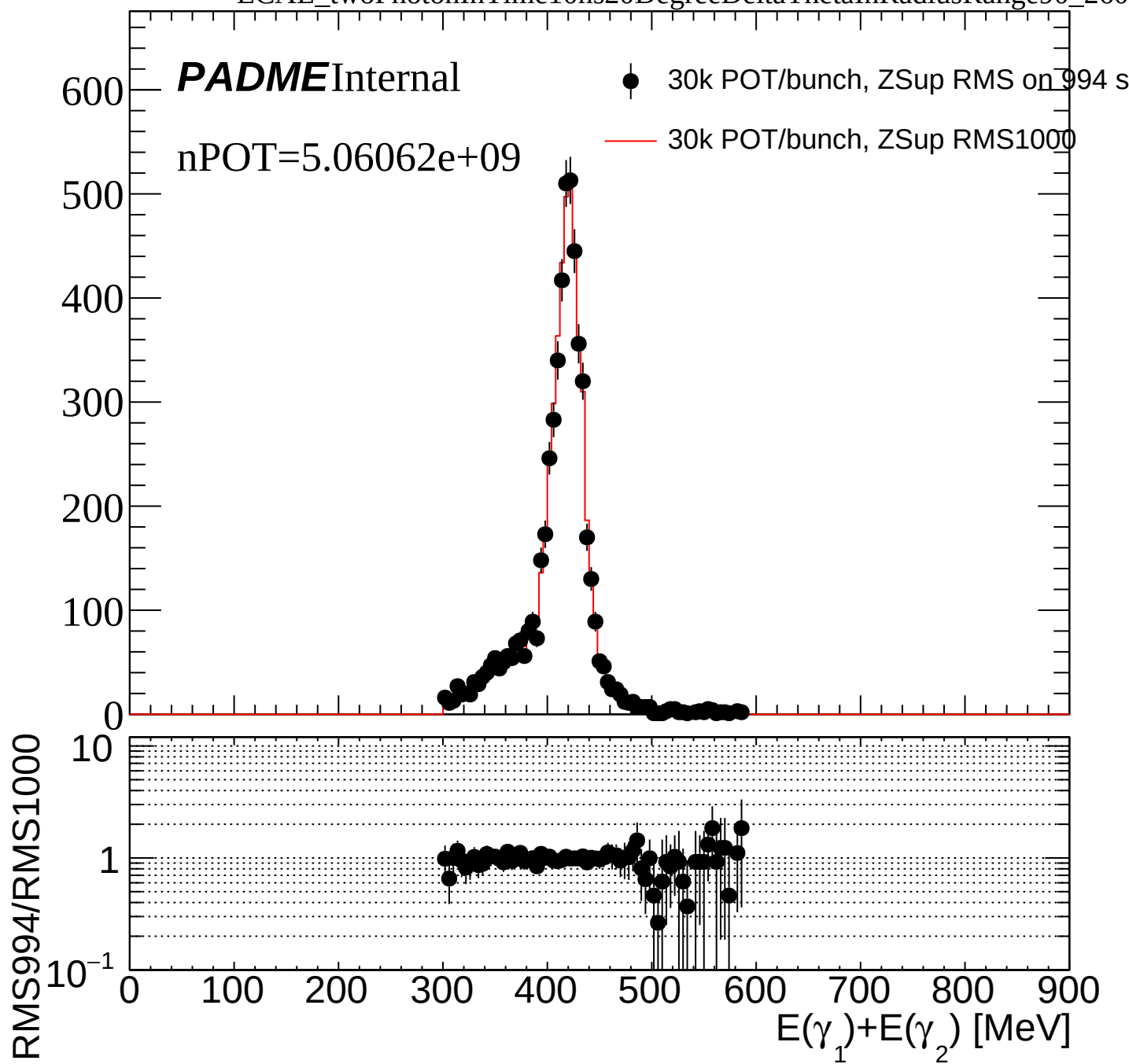


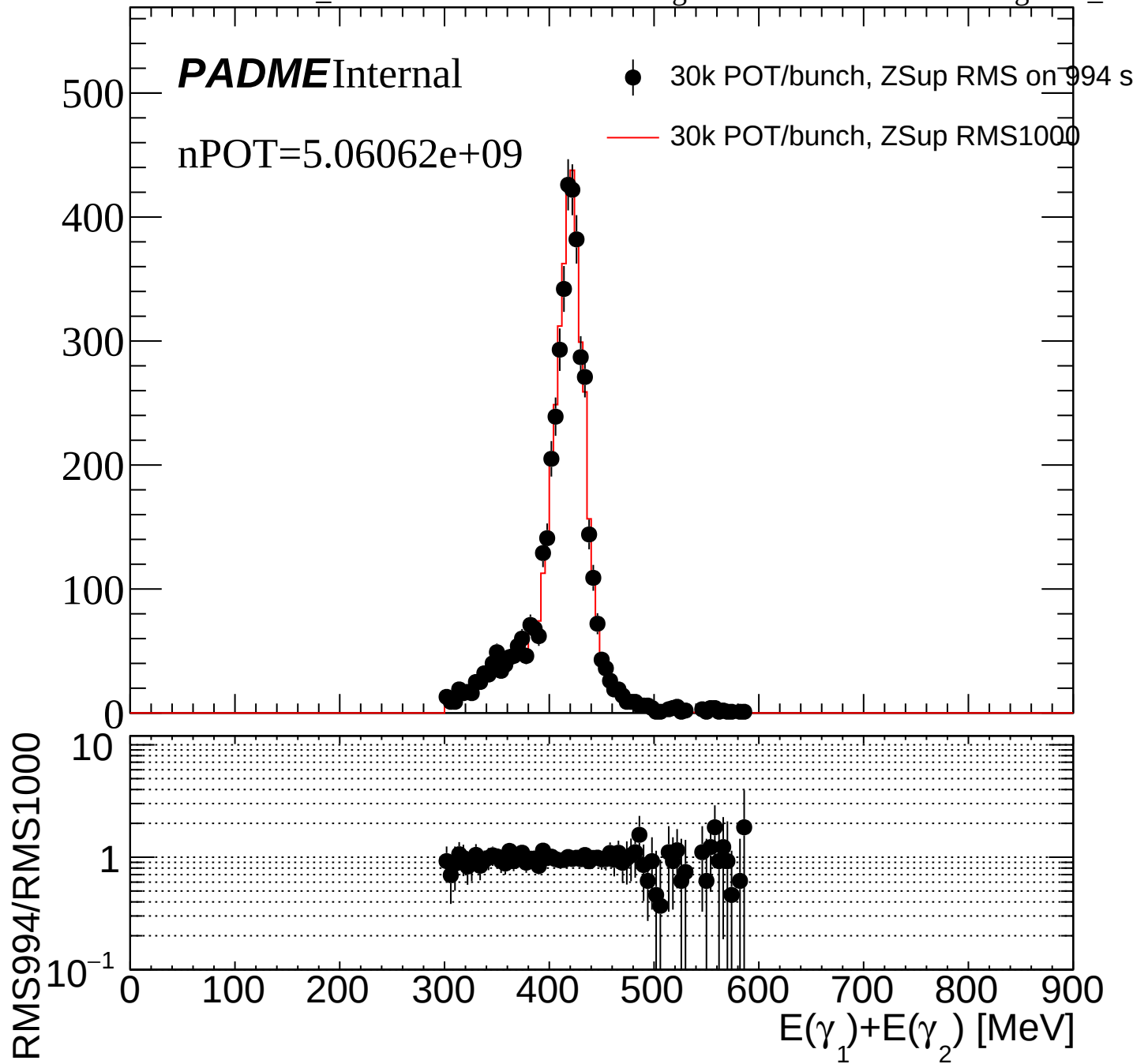


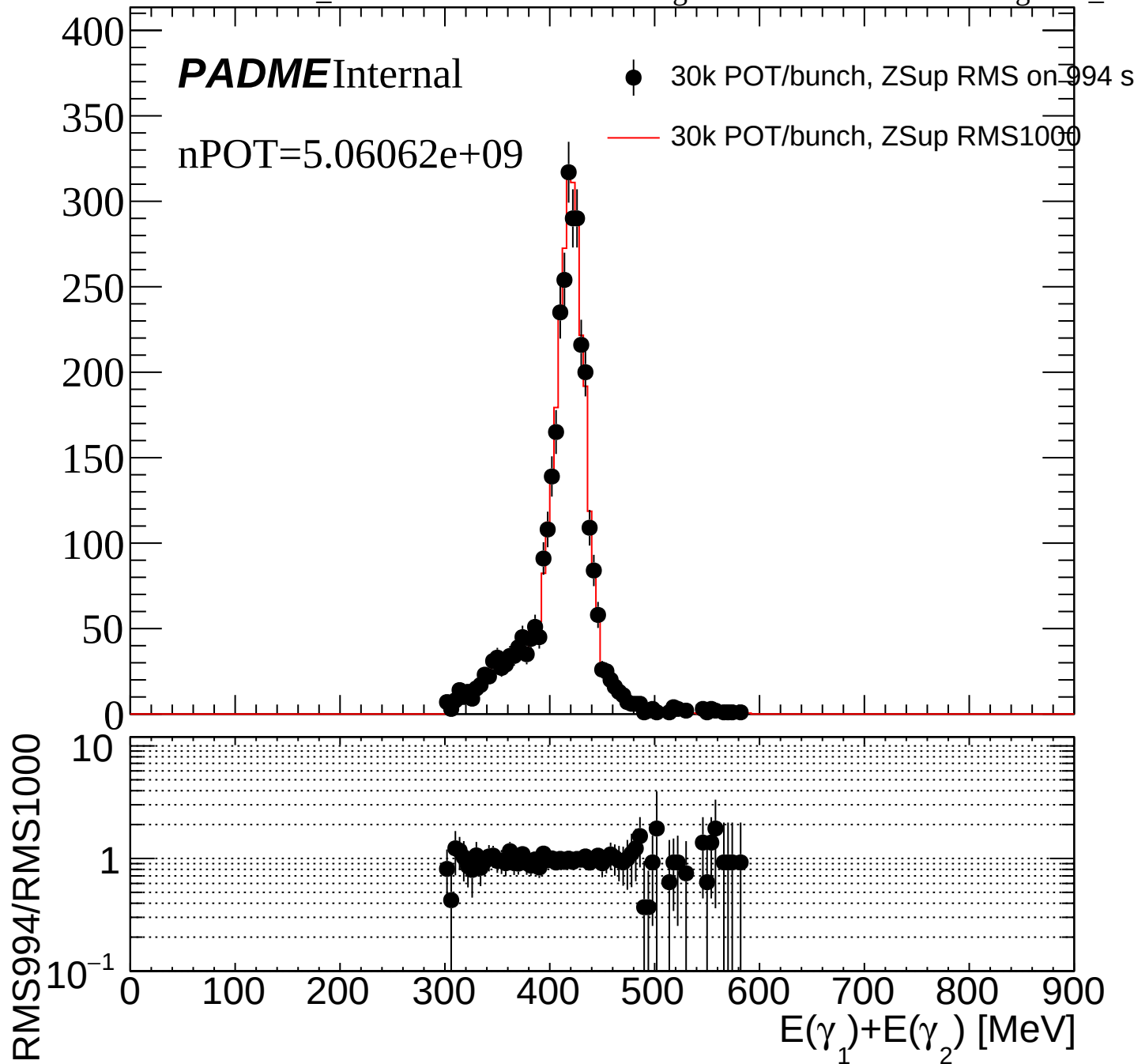


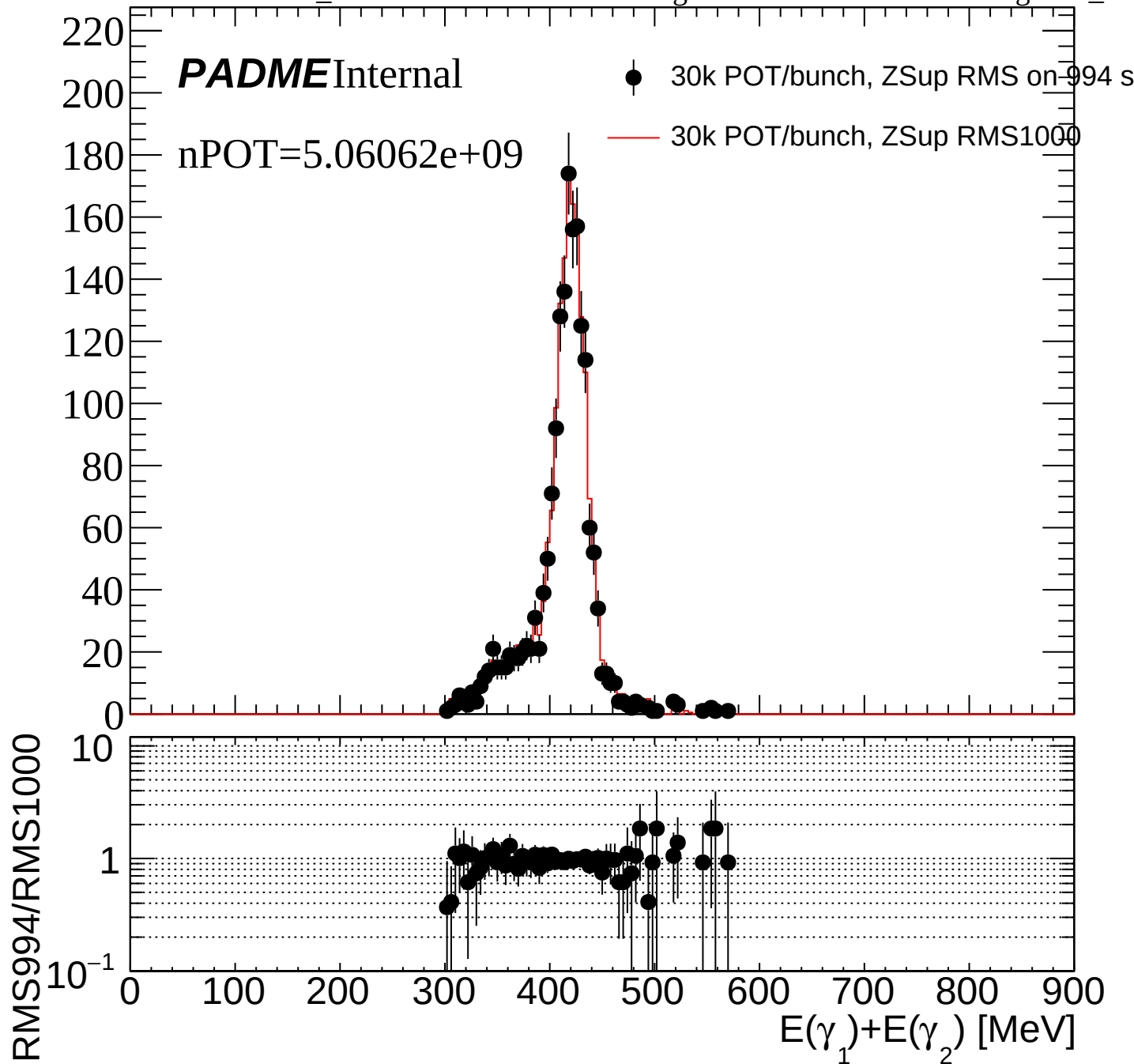


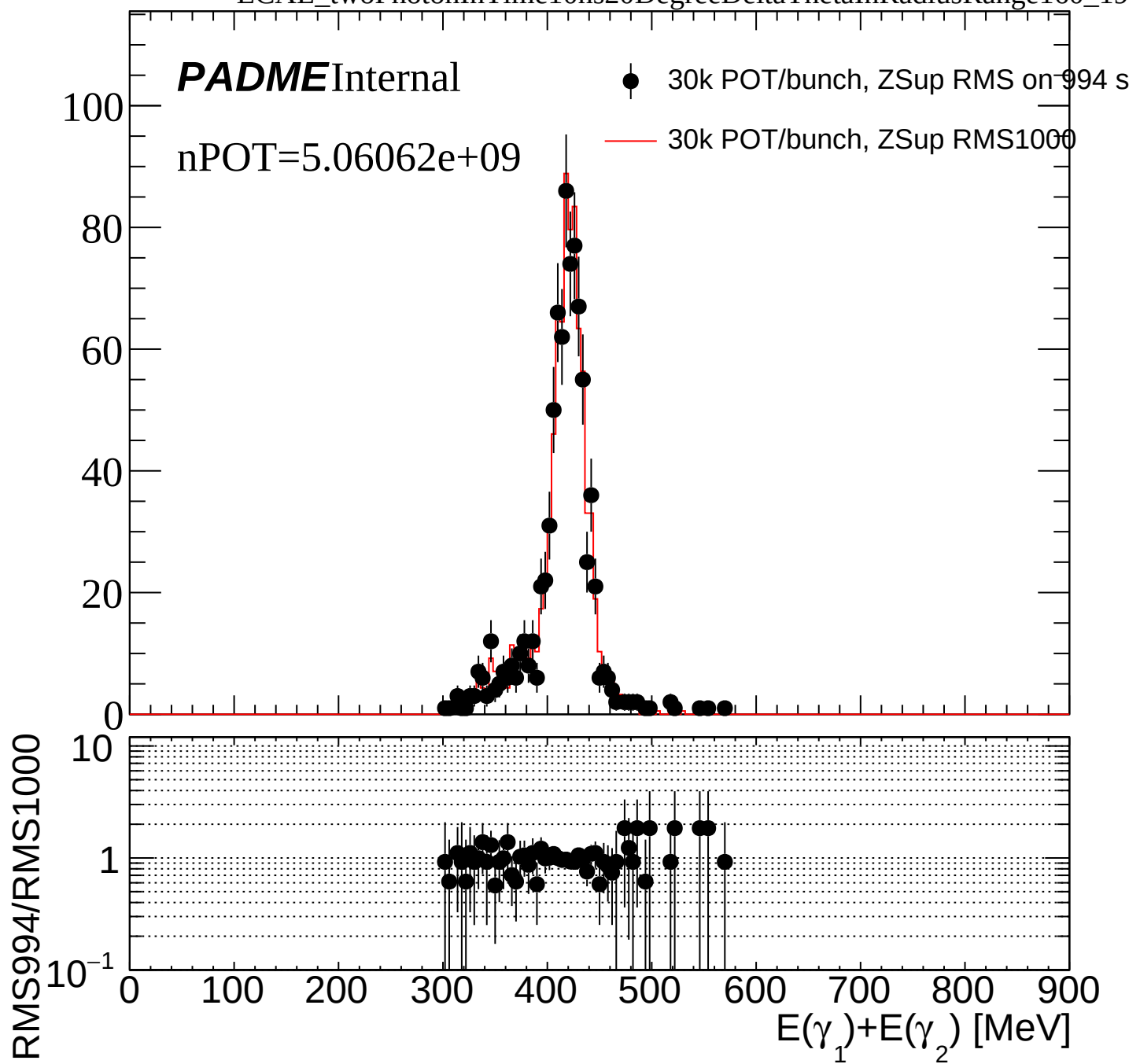


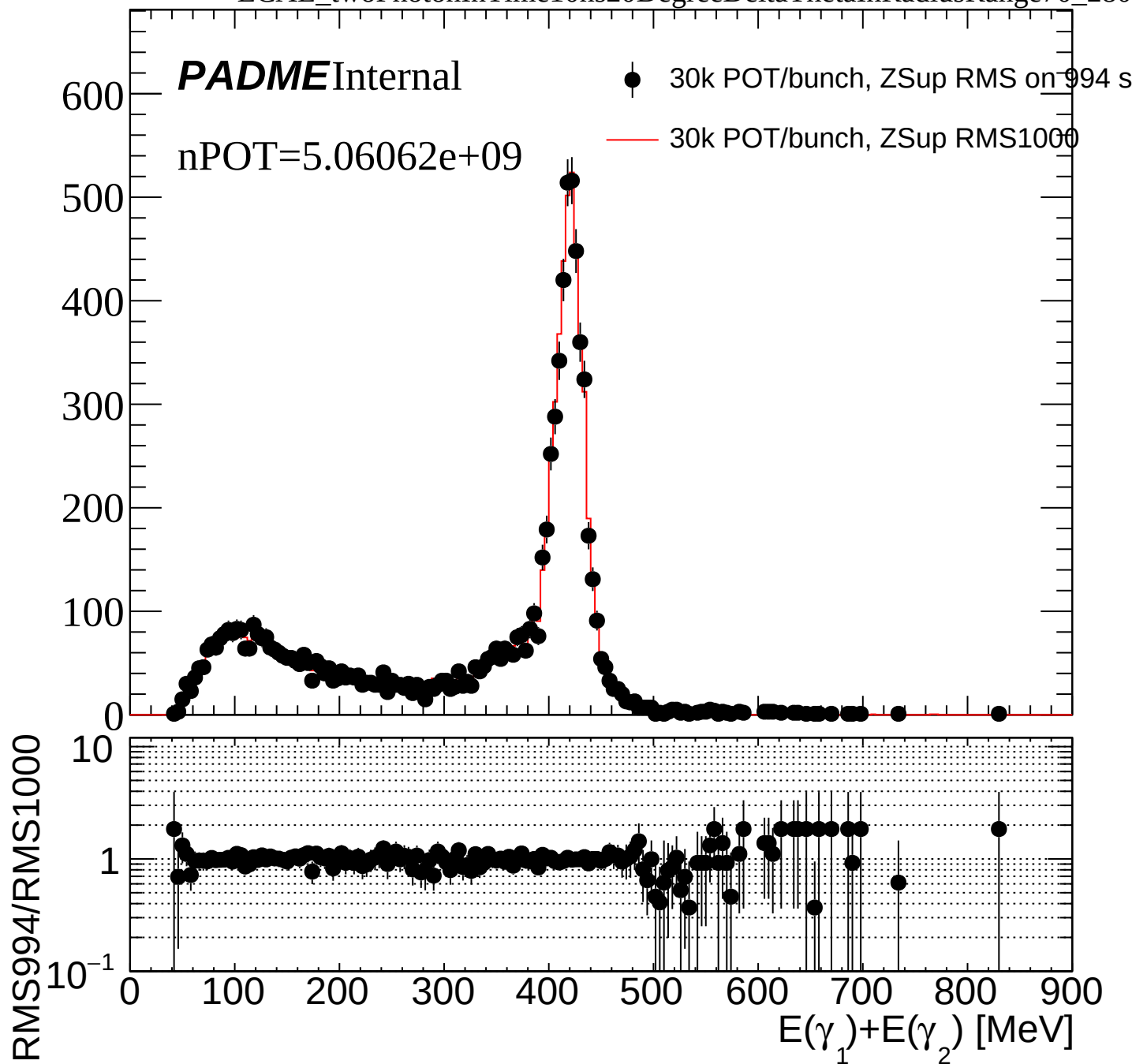


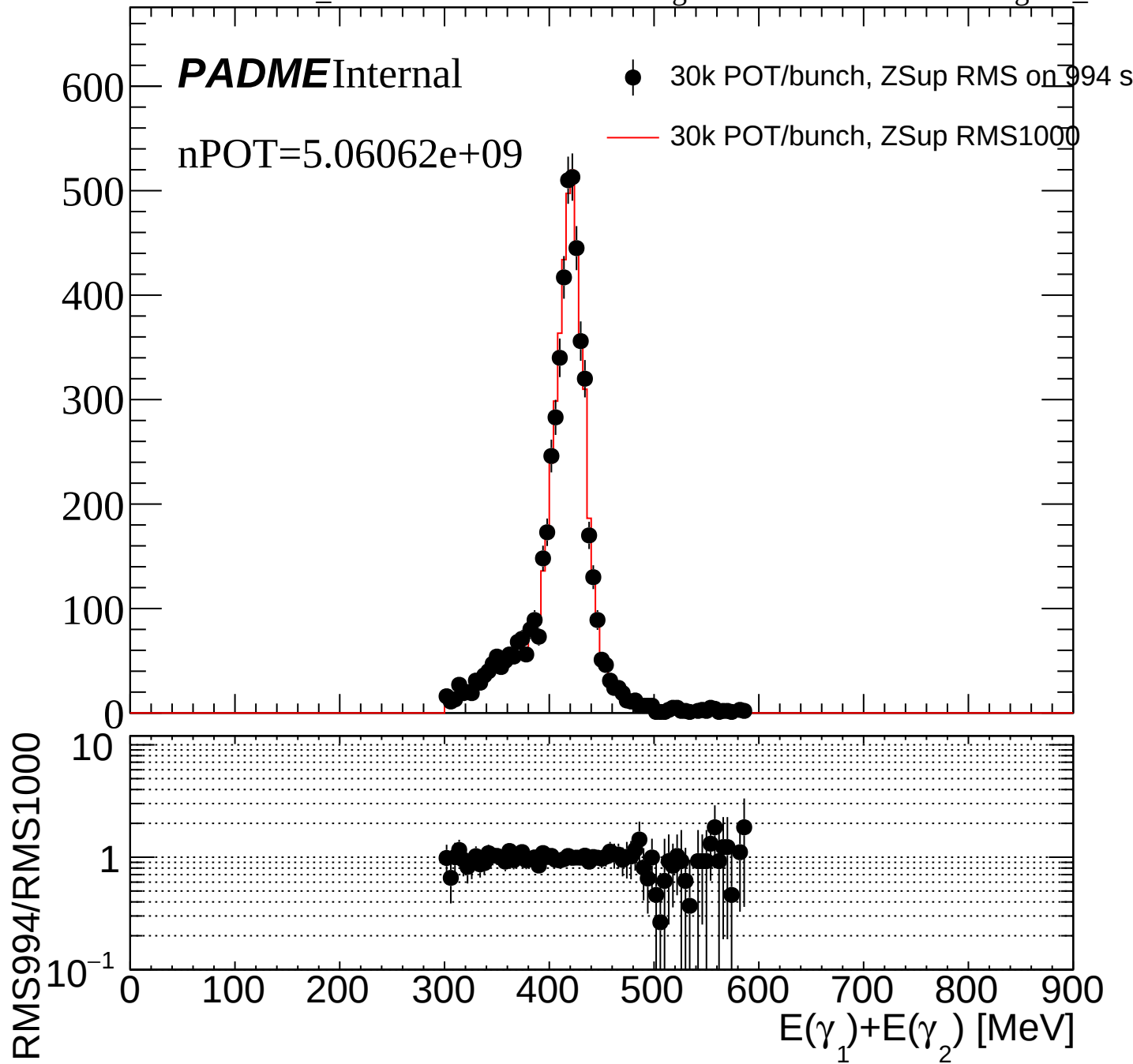


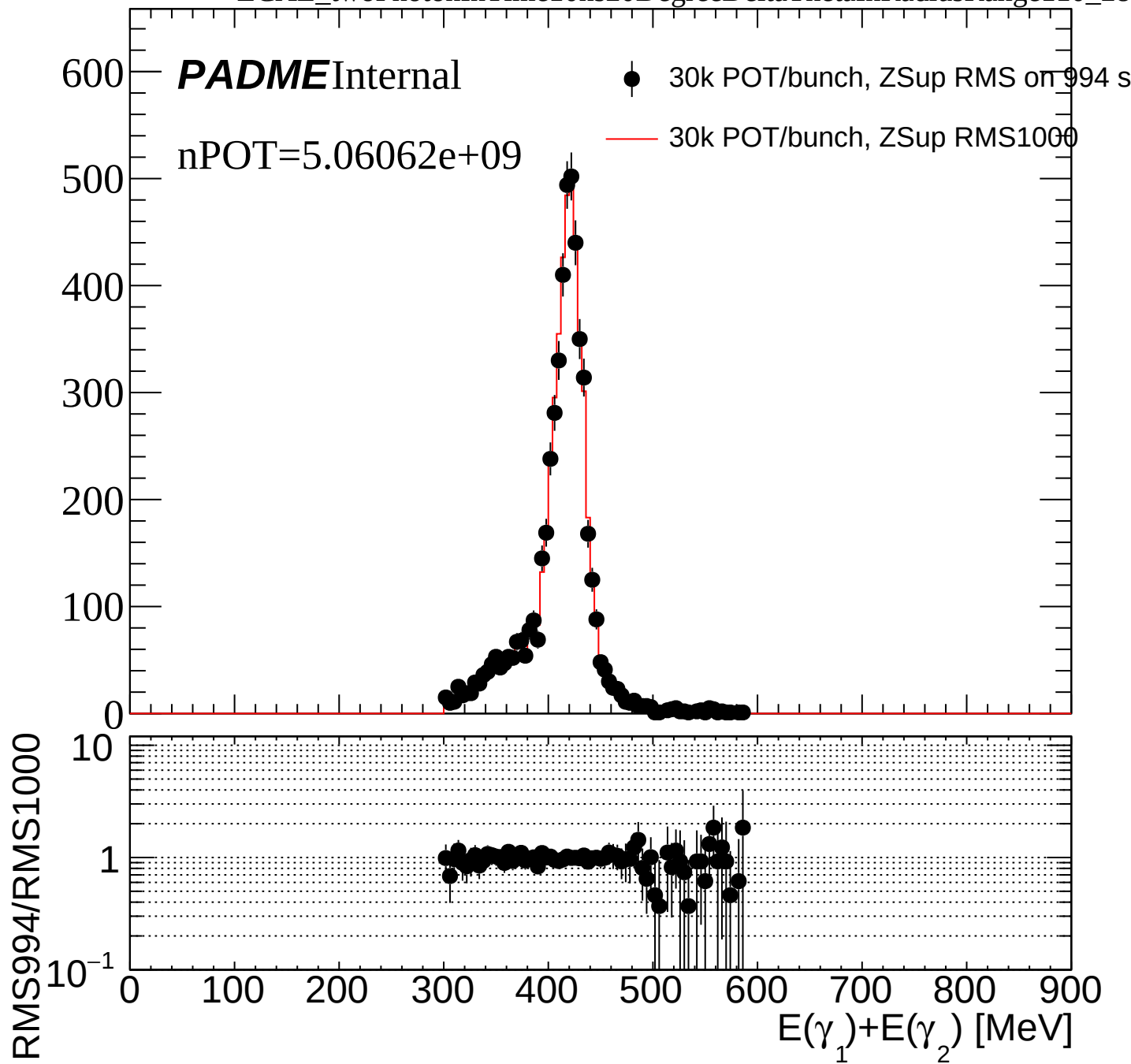


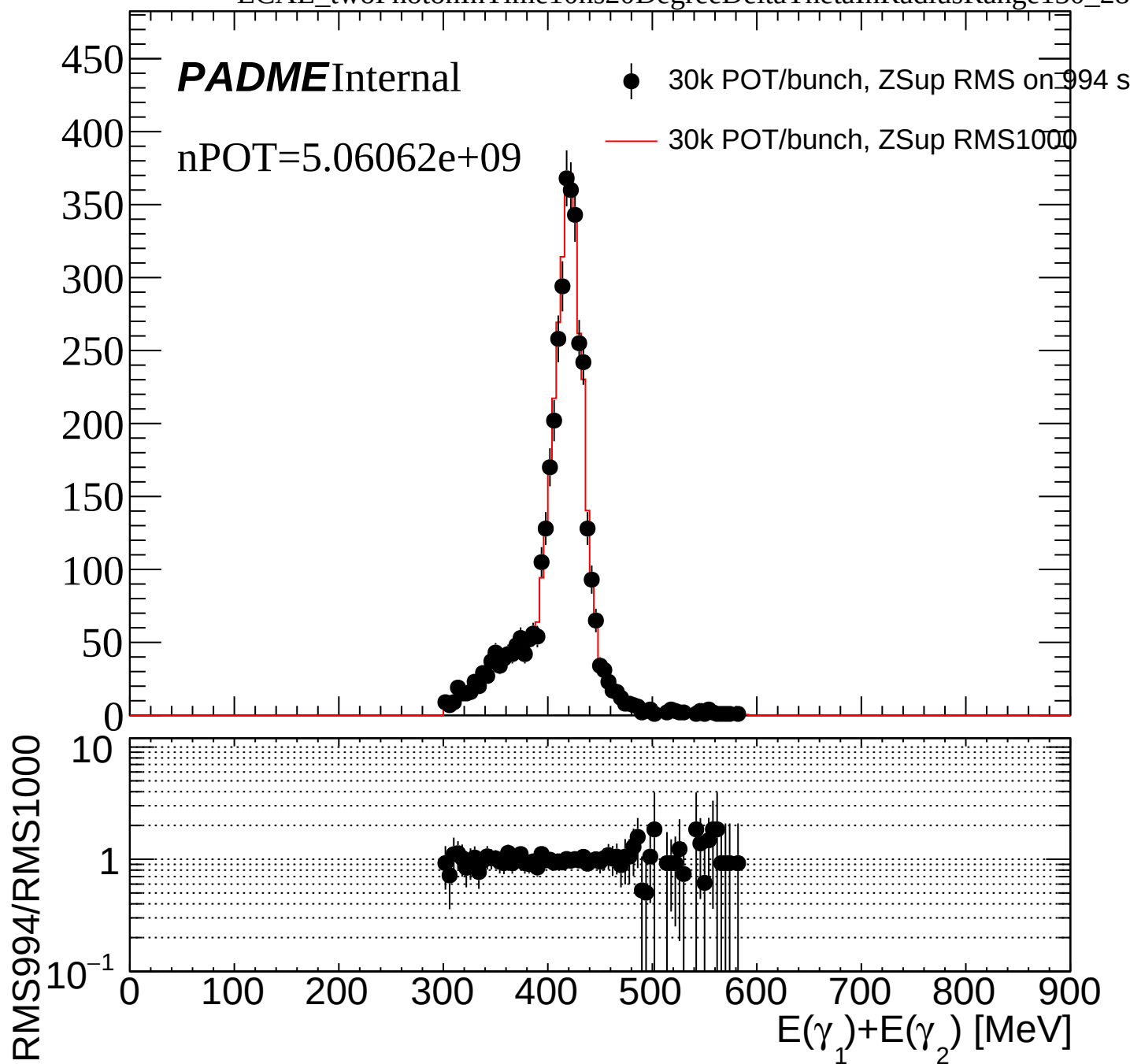


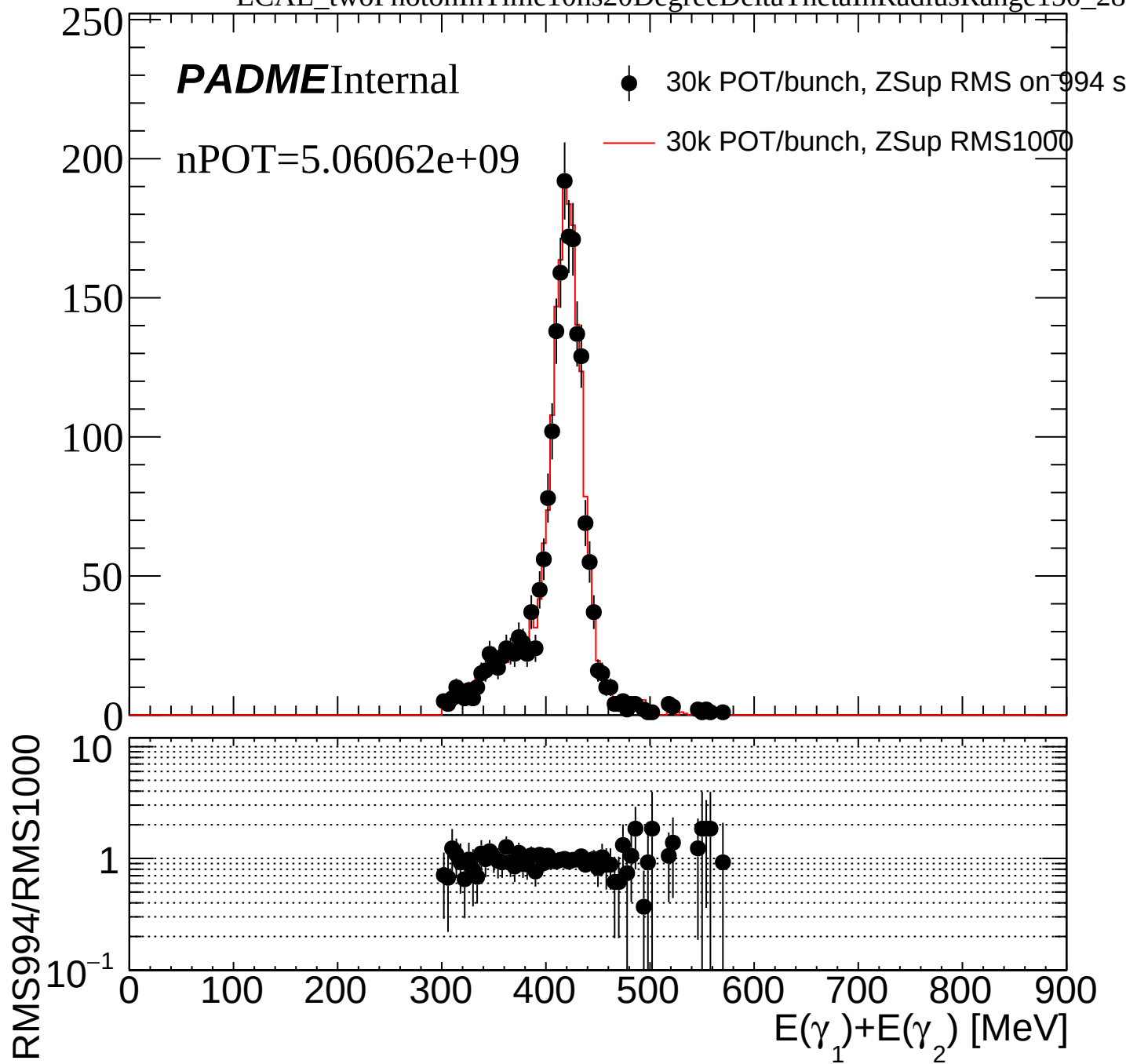


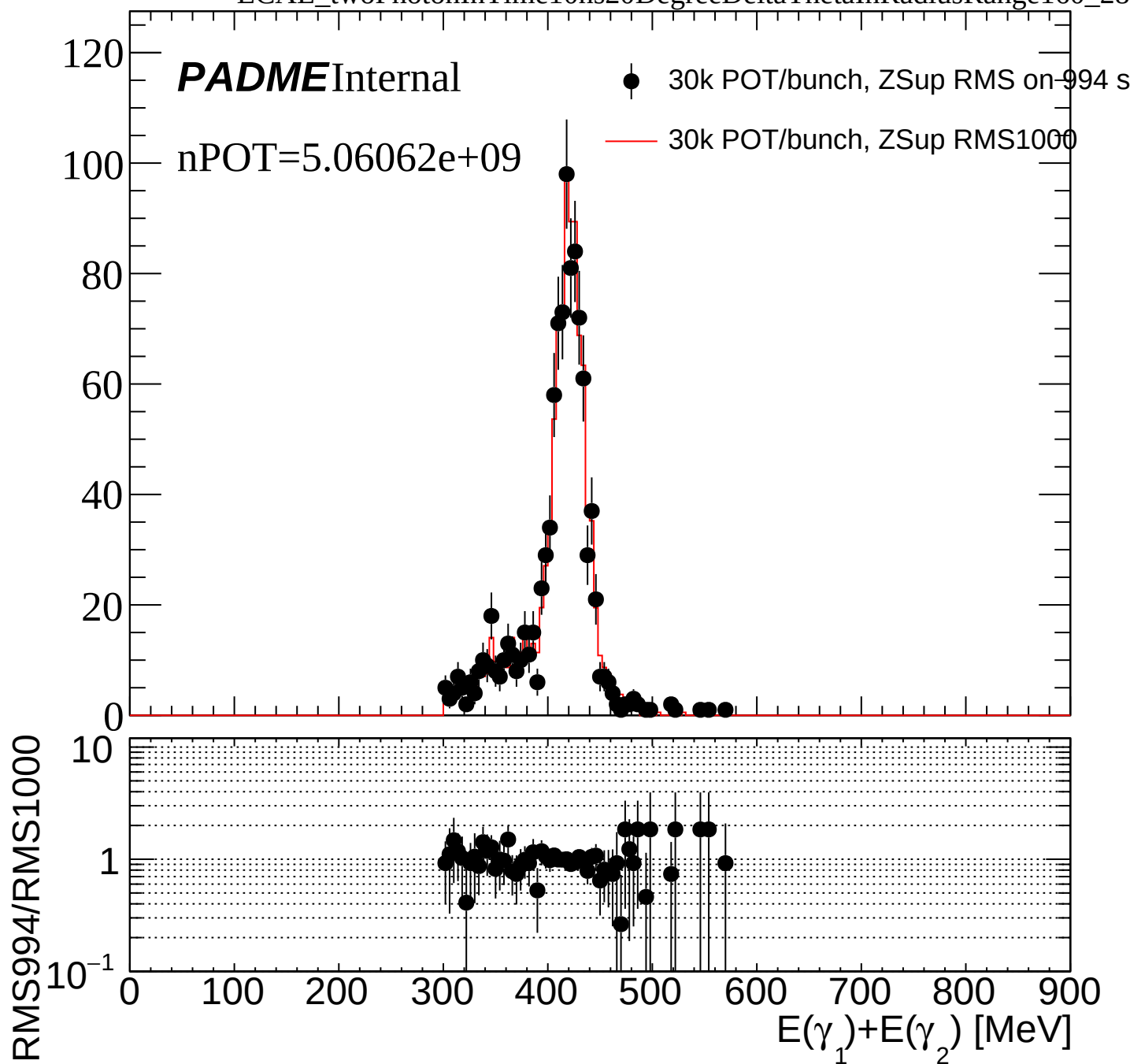


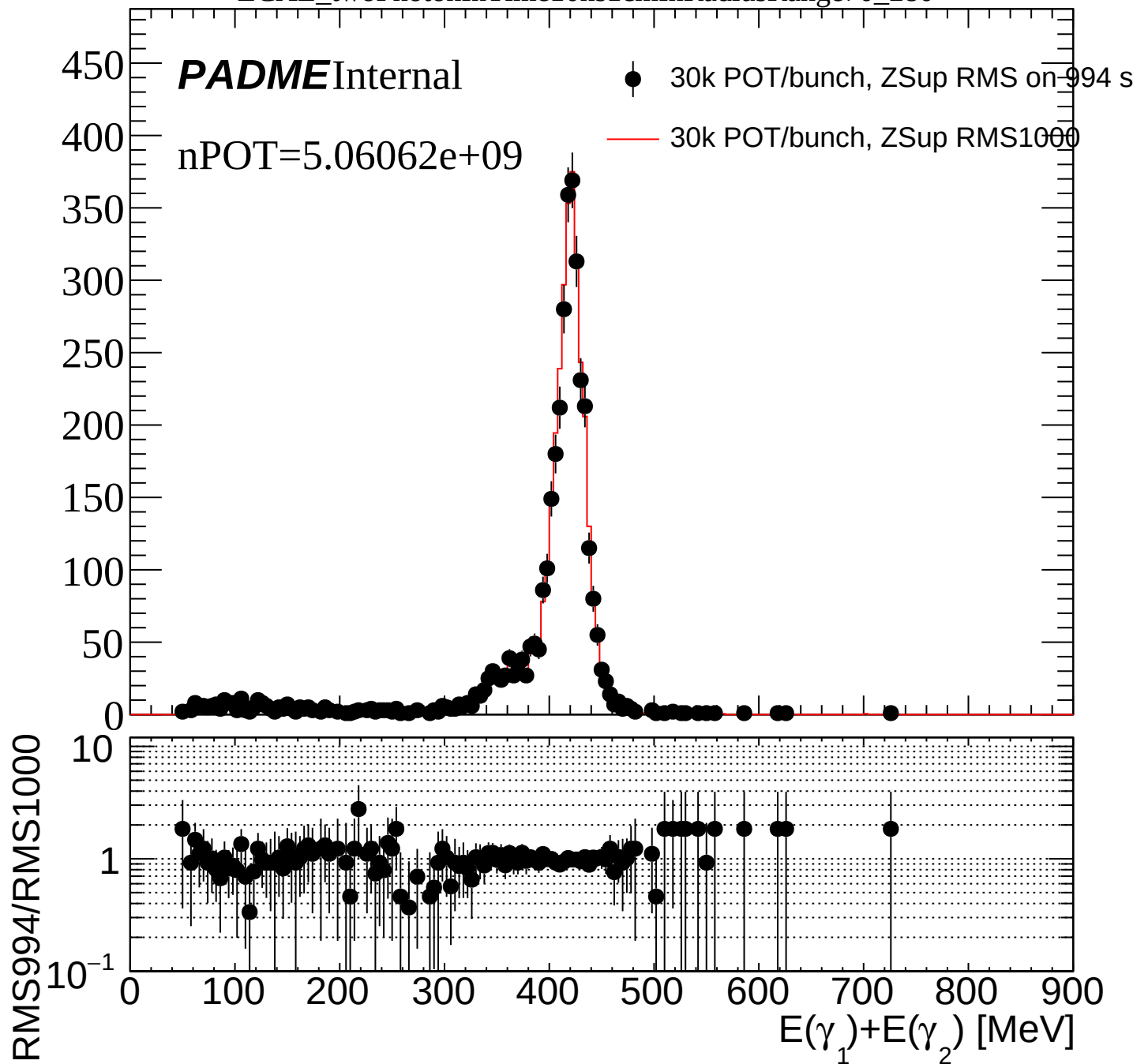


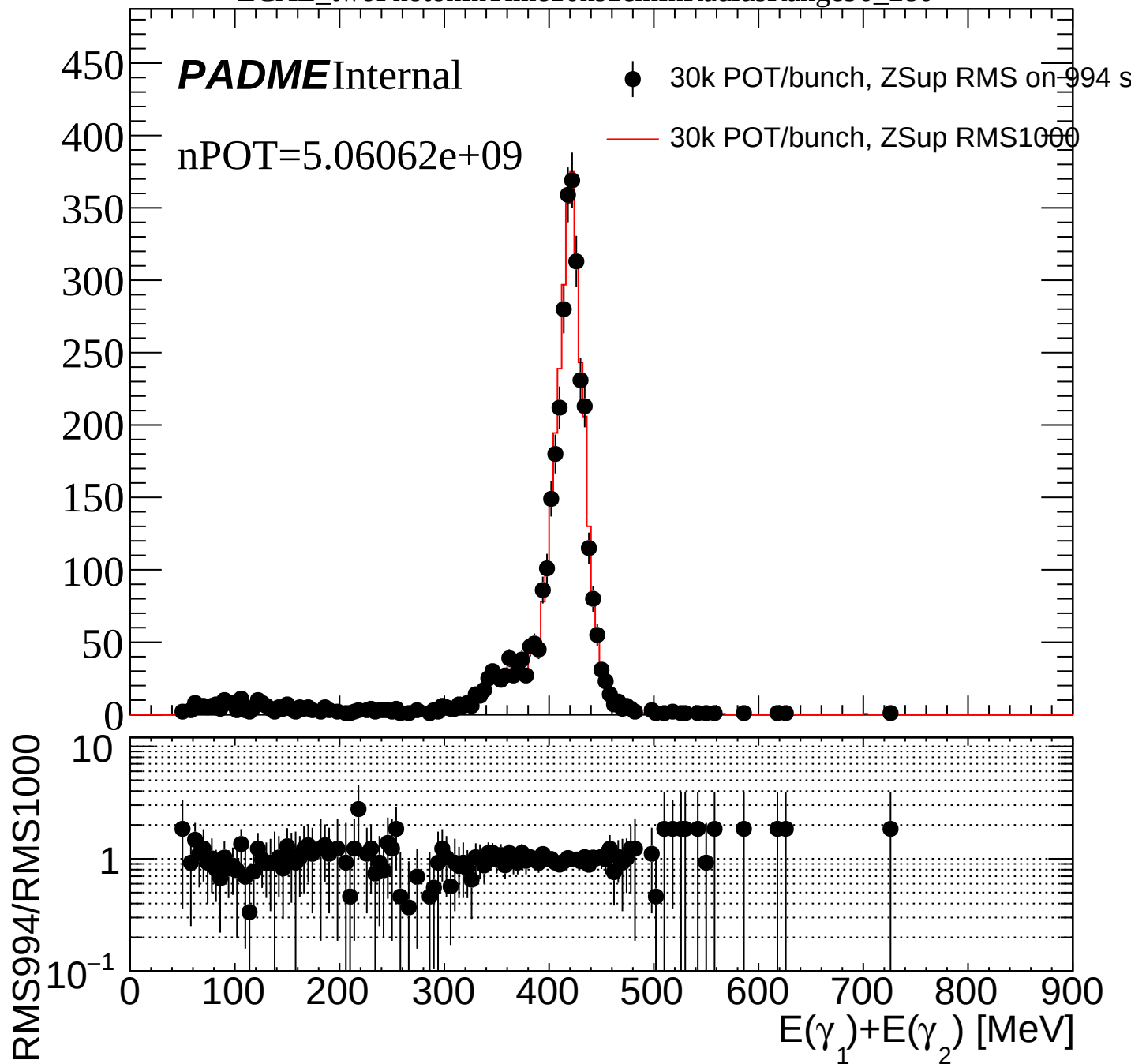












ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280

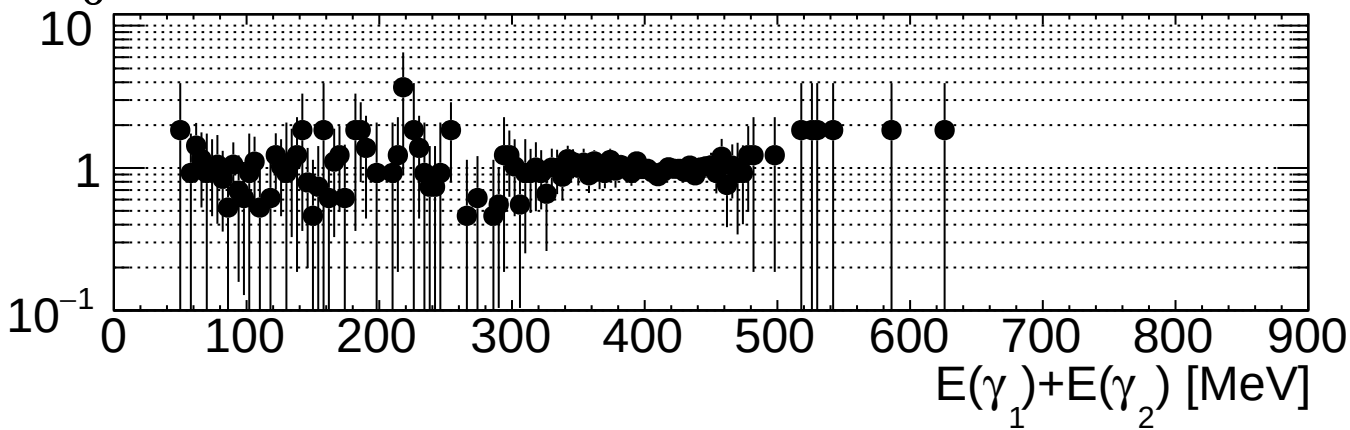
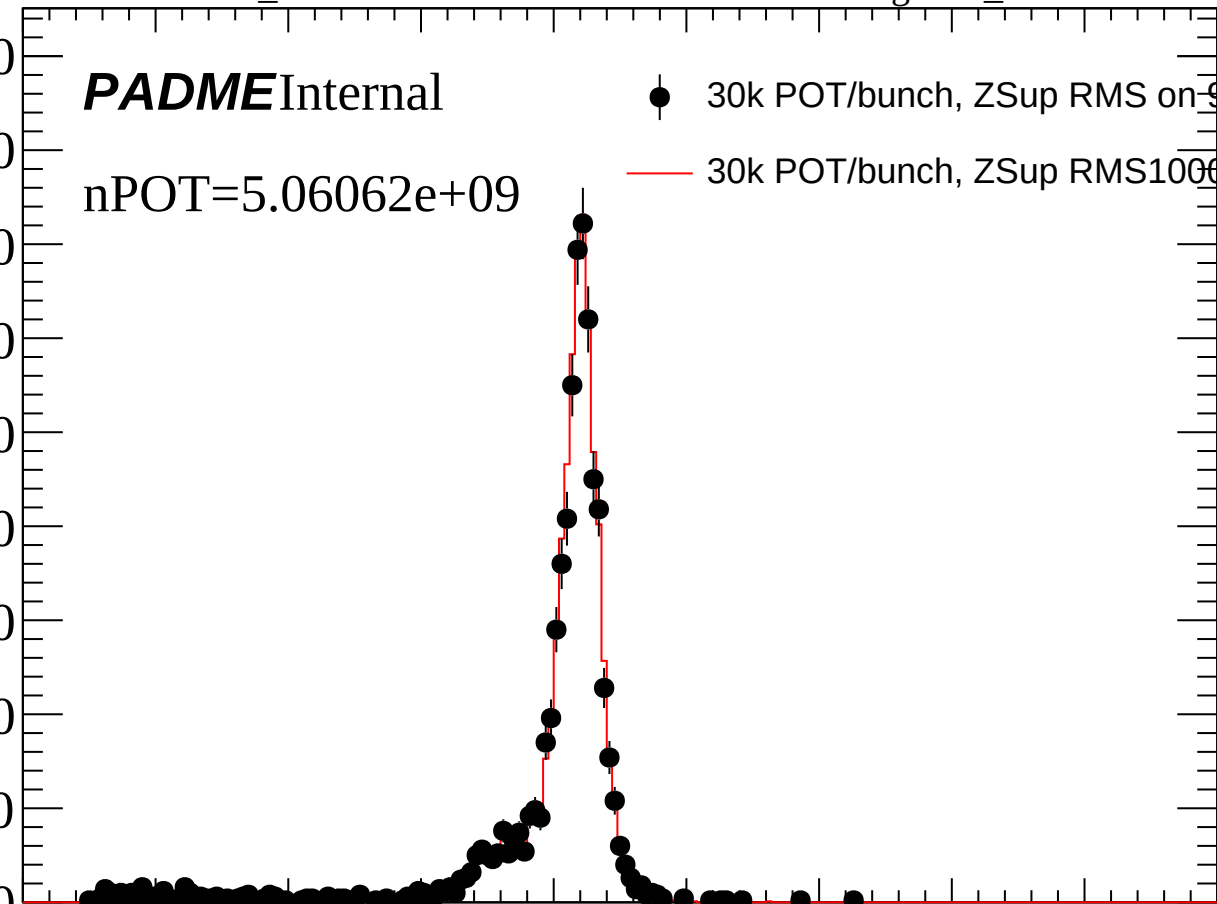
PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

RMS994/RMS1000



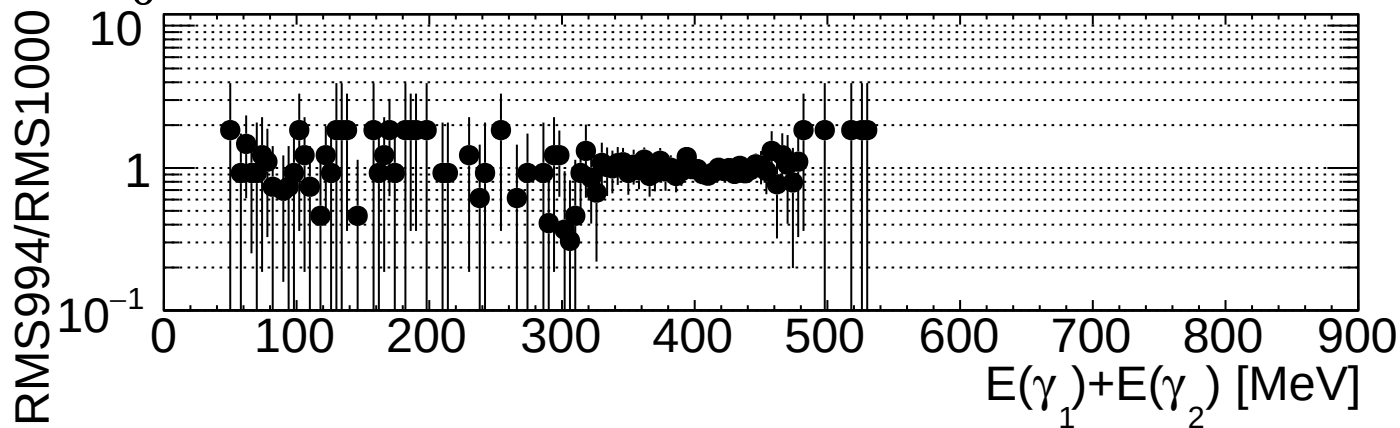
ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



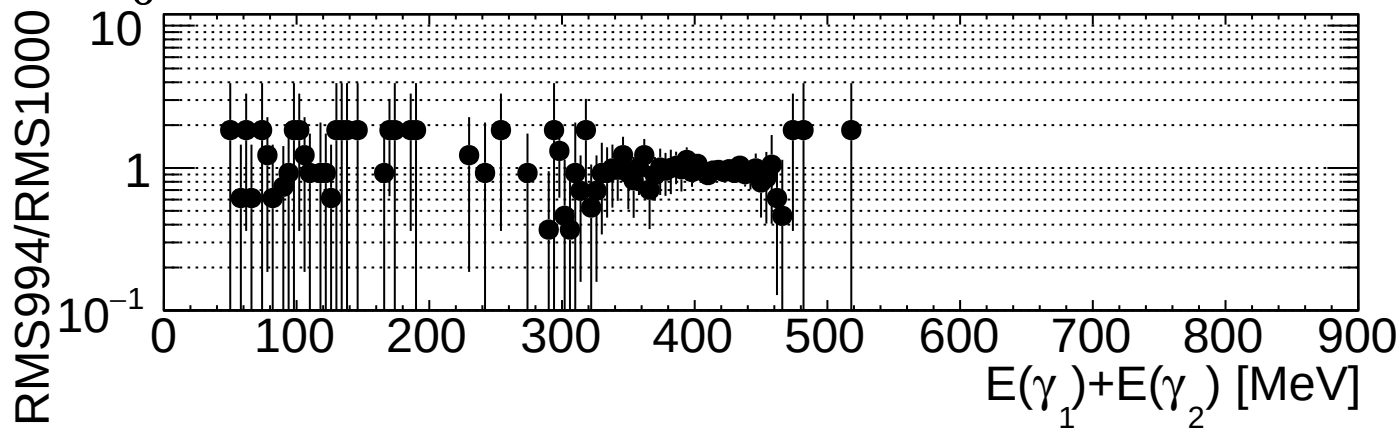
ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



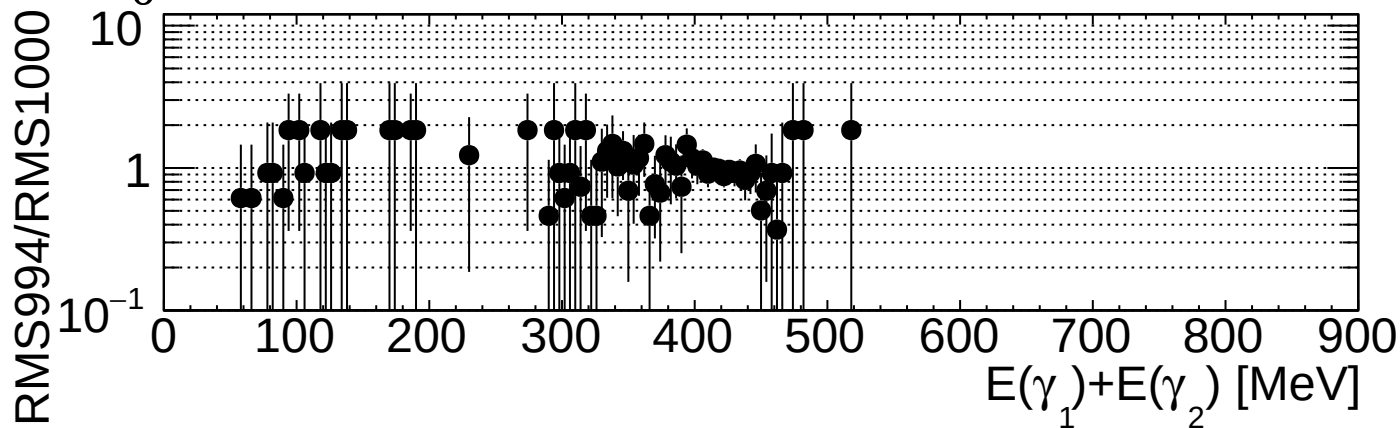
ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280

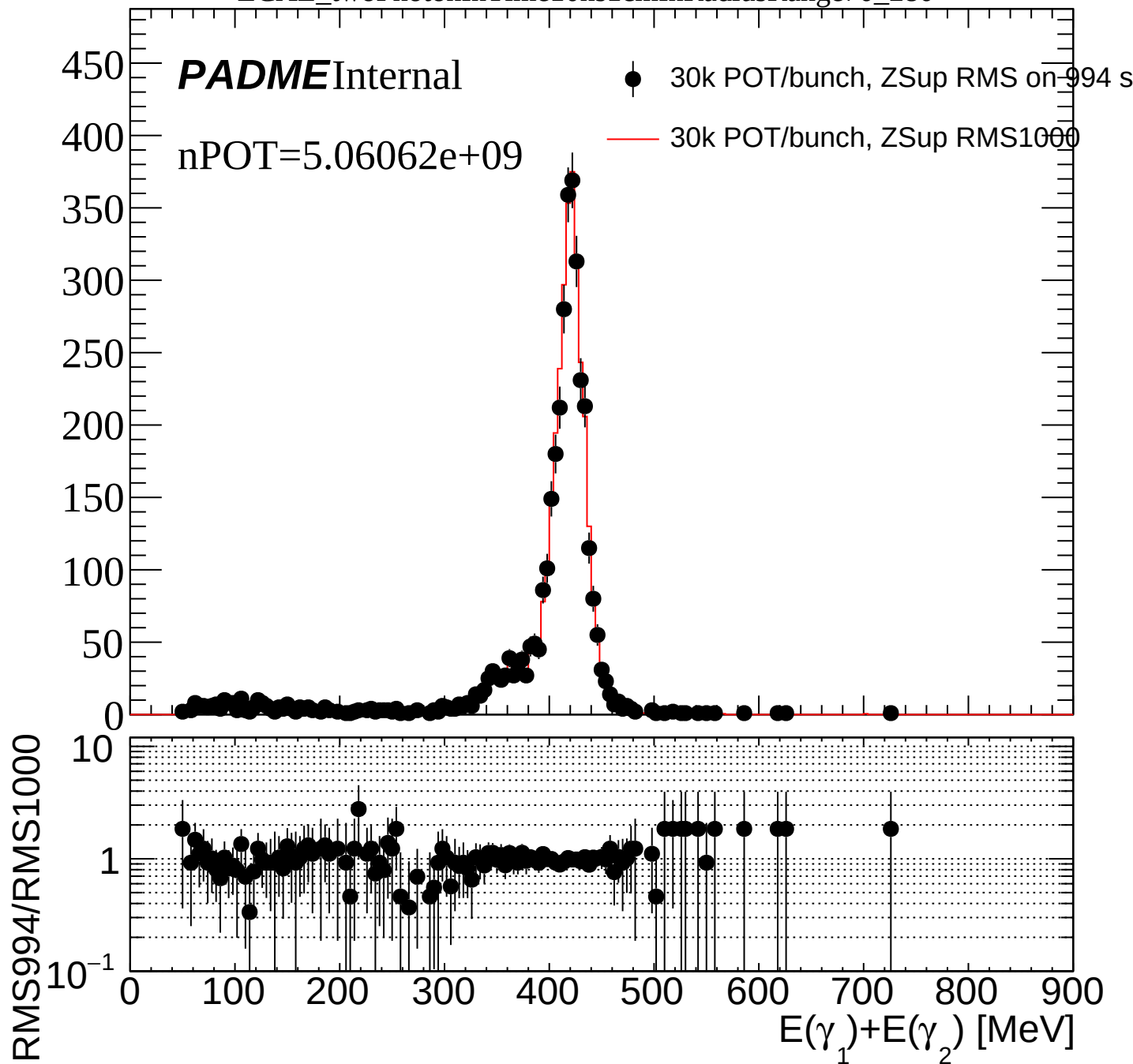
PADME Internal

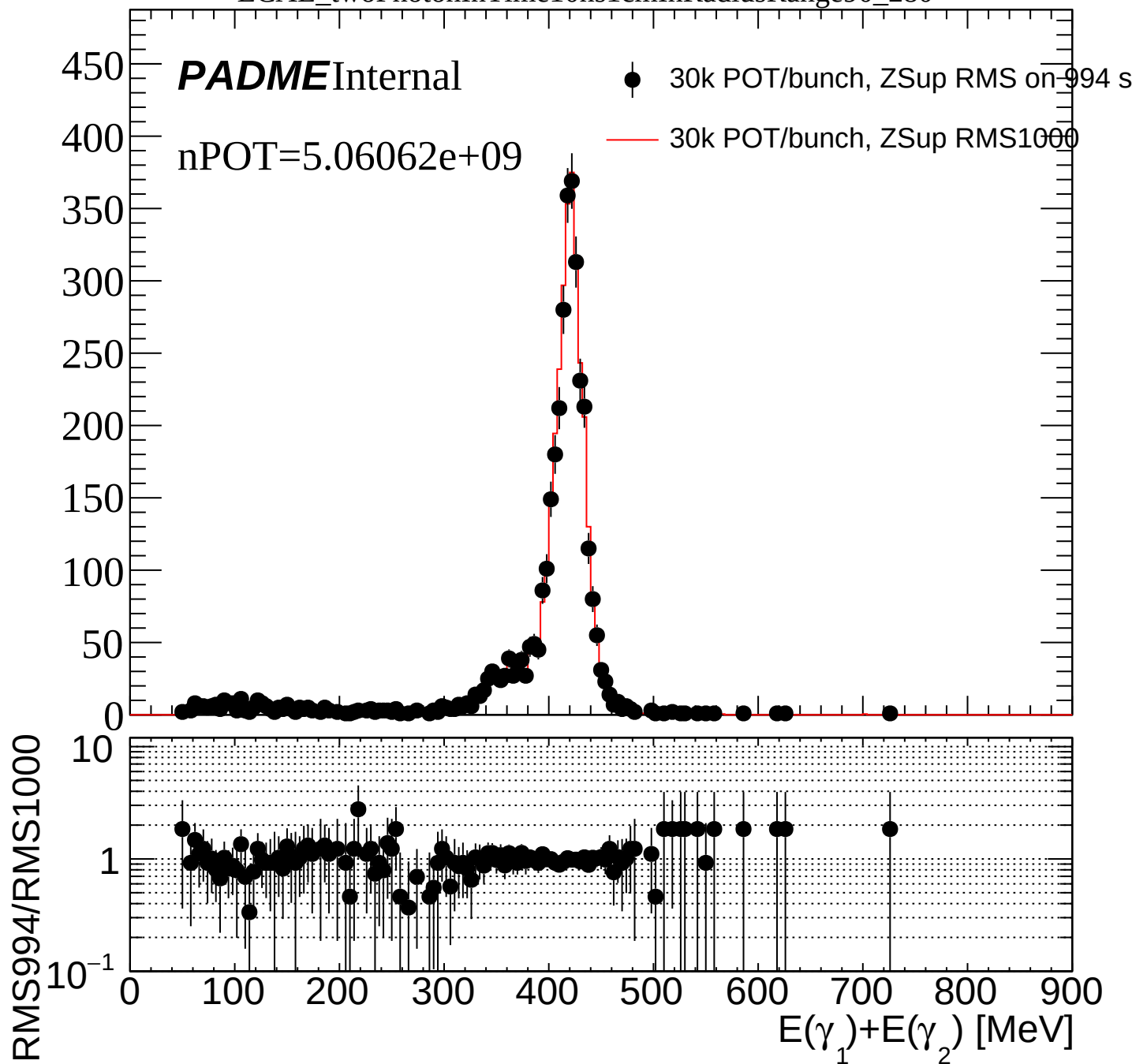
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000







ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280

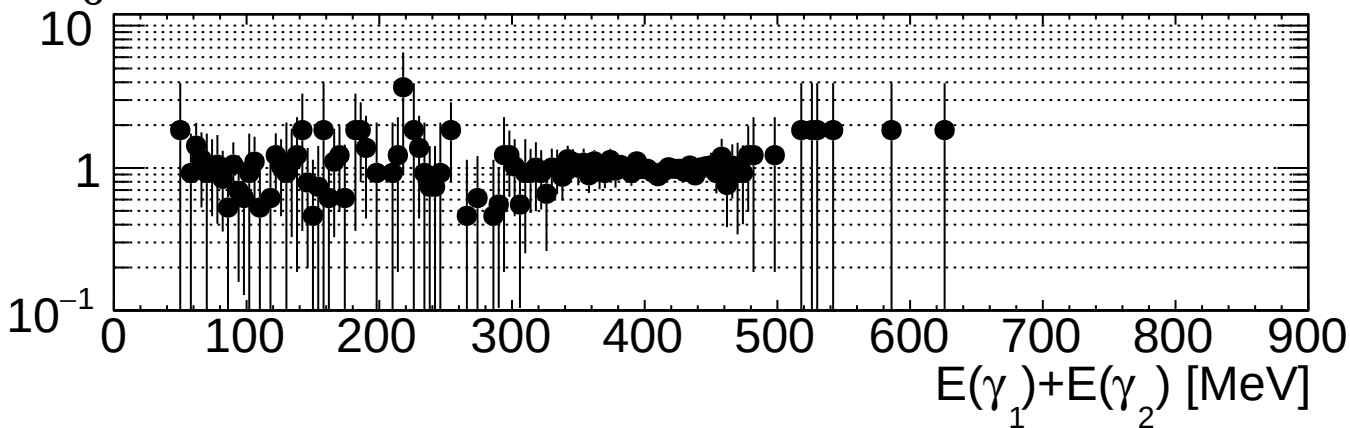
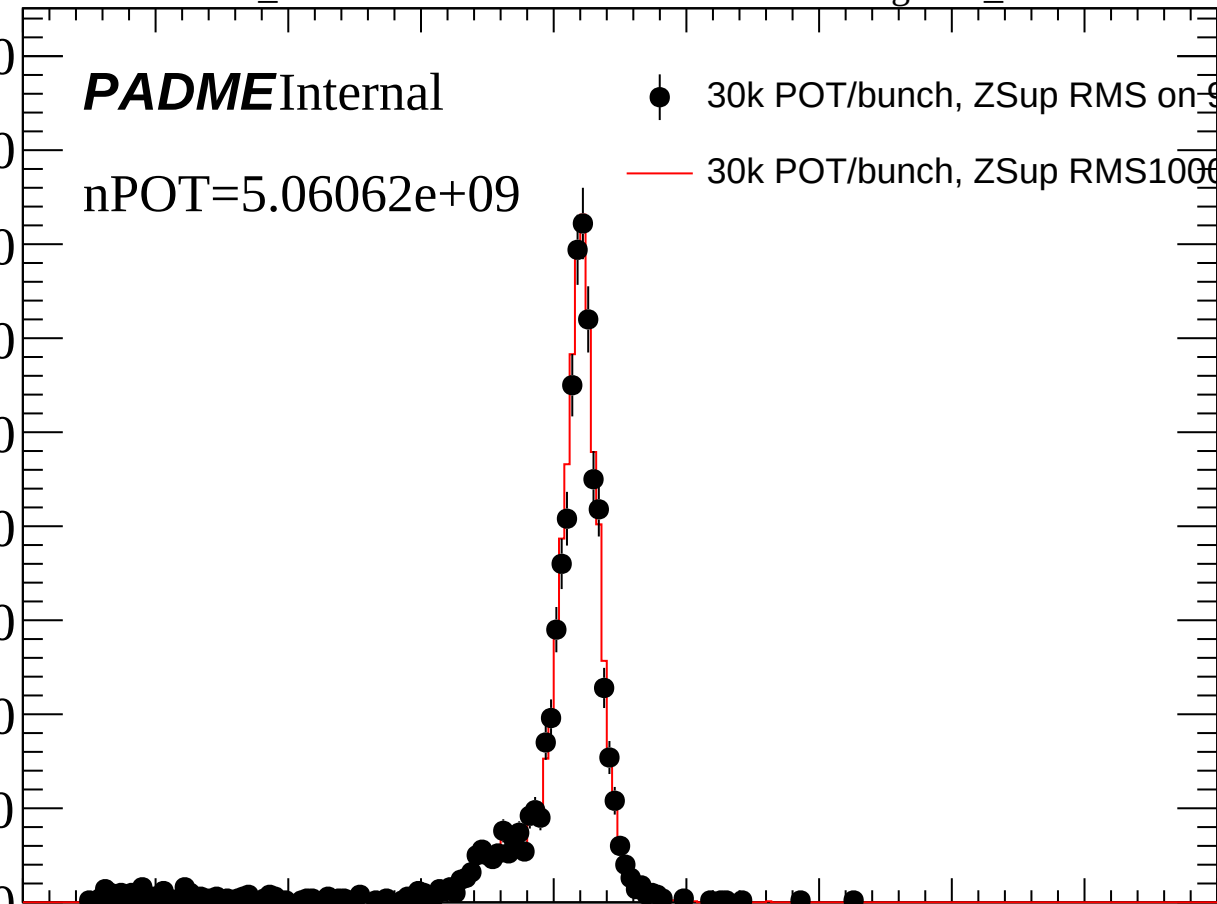
PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

RMS994/RMS1000

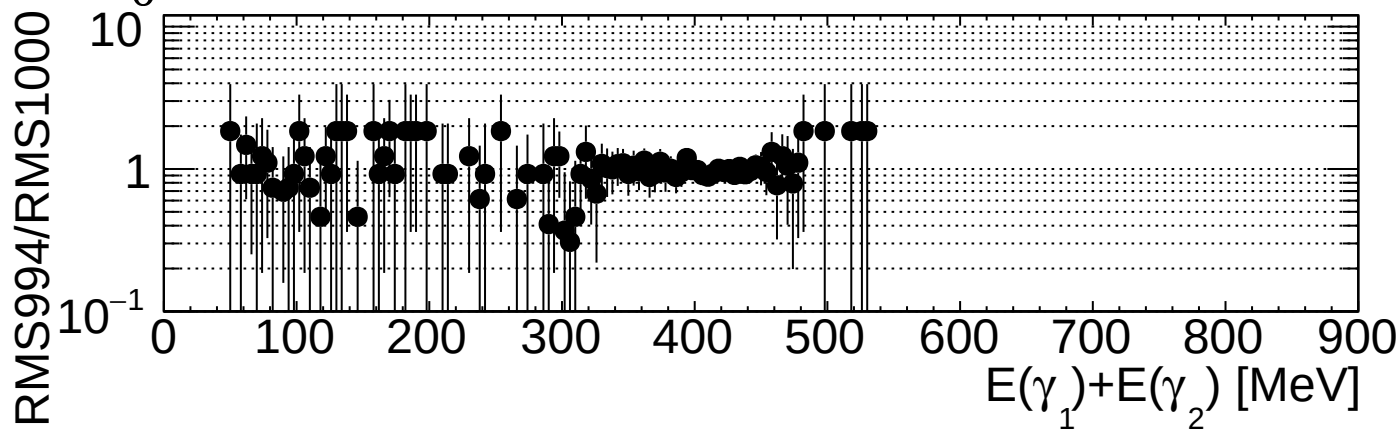


PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



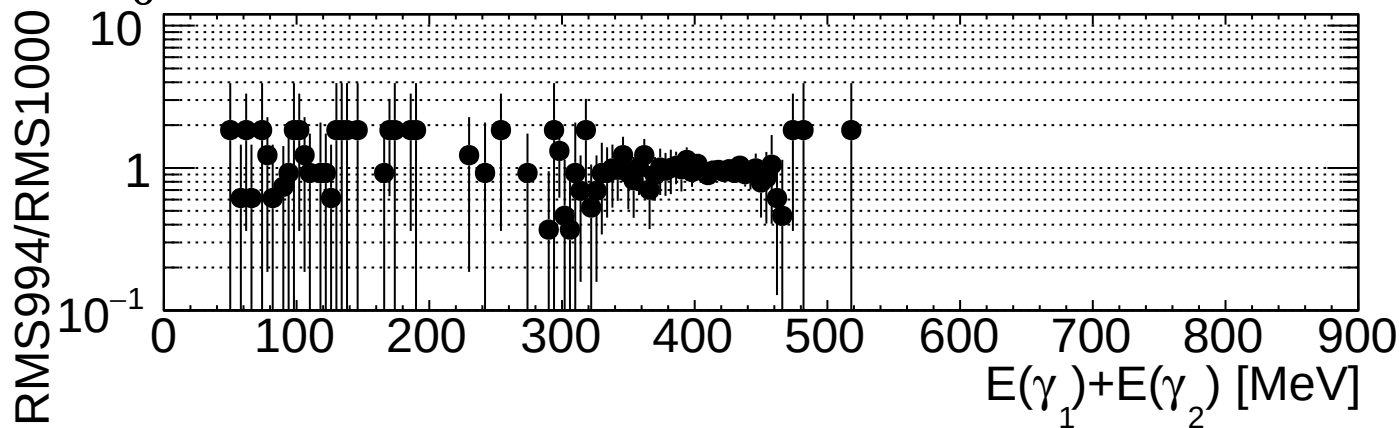
ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280

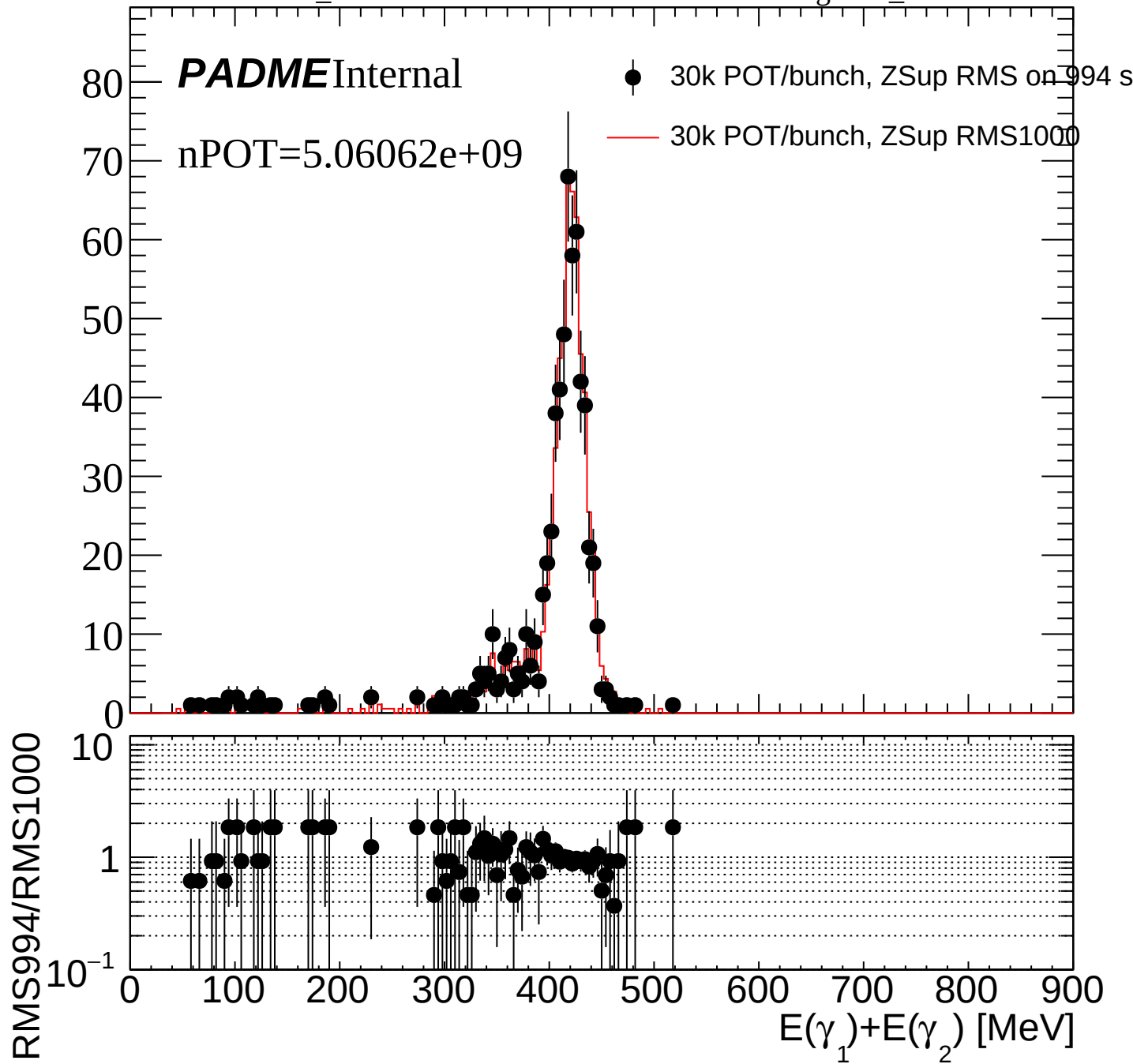
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





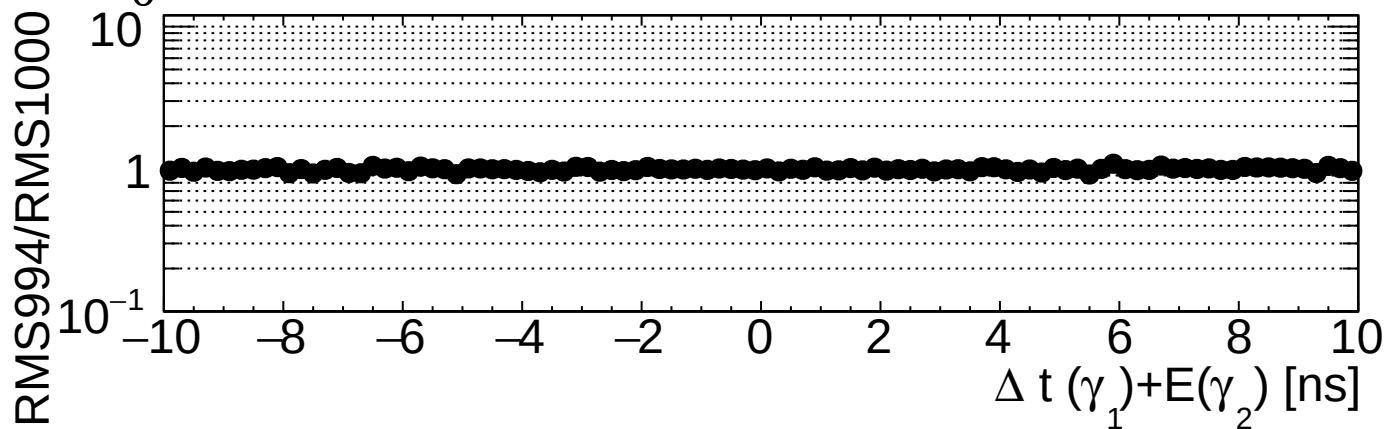
ECAL_dTime_10ns

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



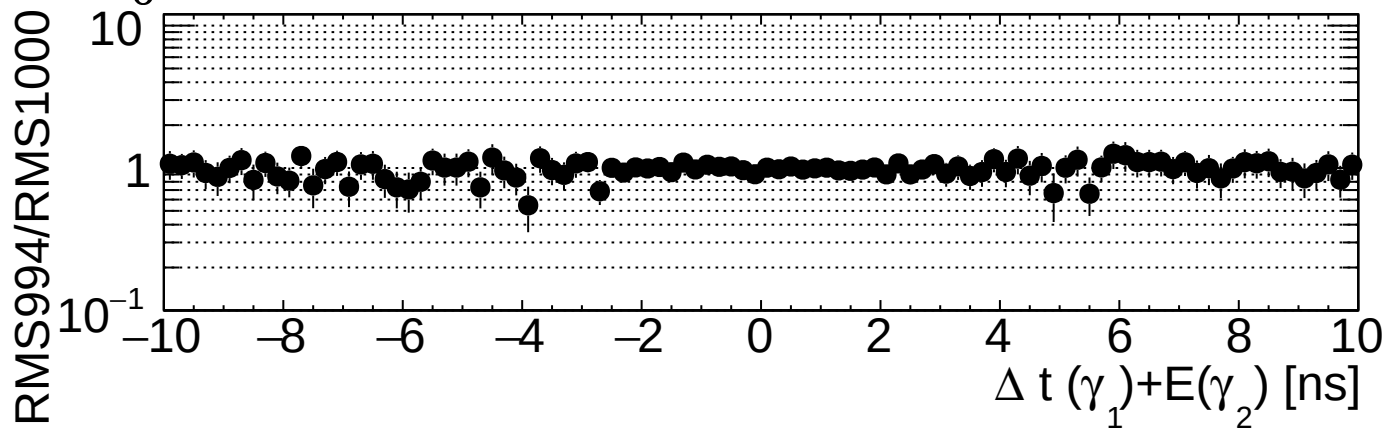
ECAL_dTime_10ns_UnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



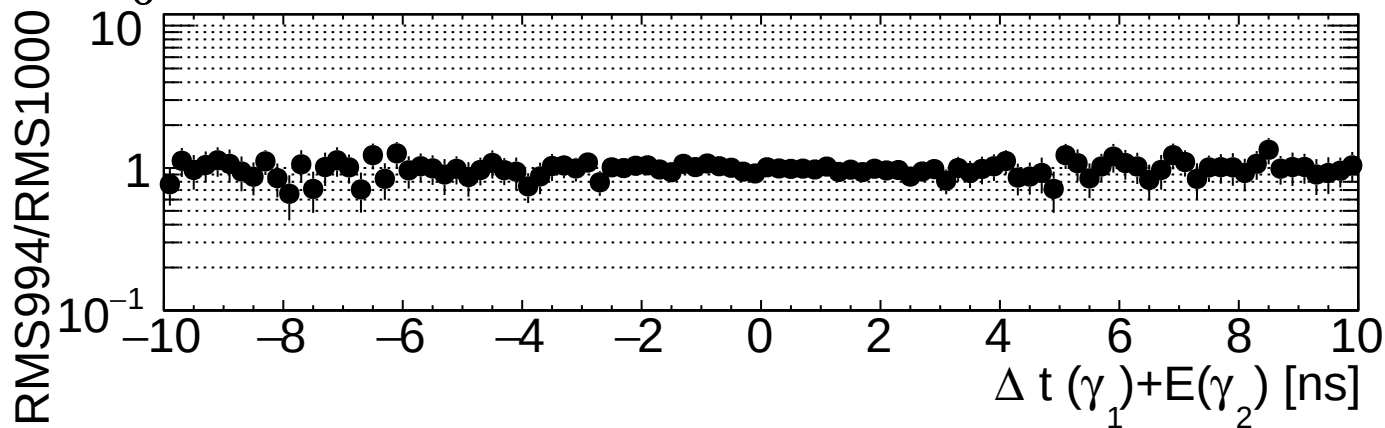
ECAL_dTime_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90

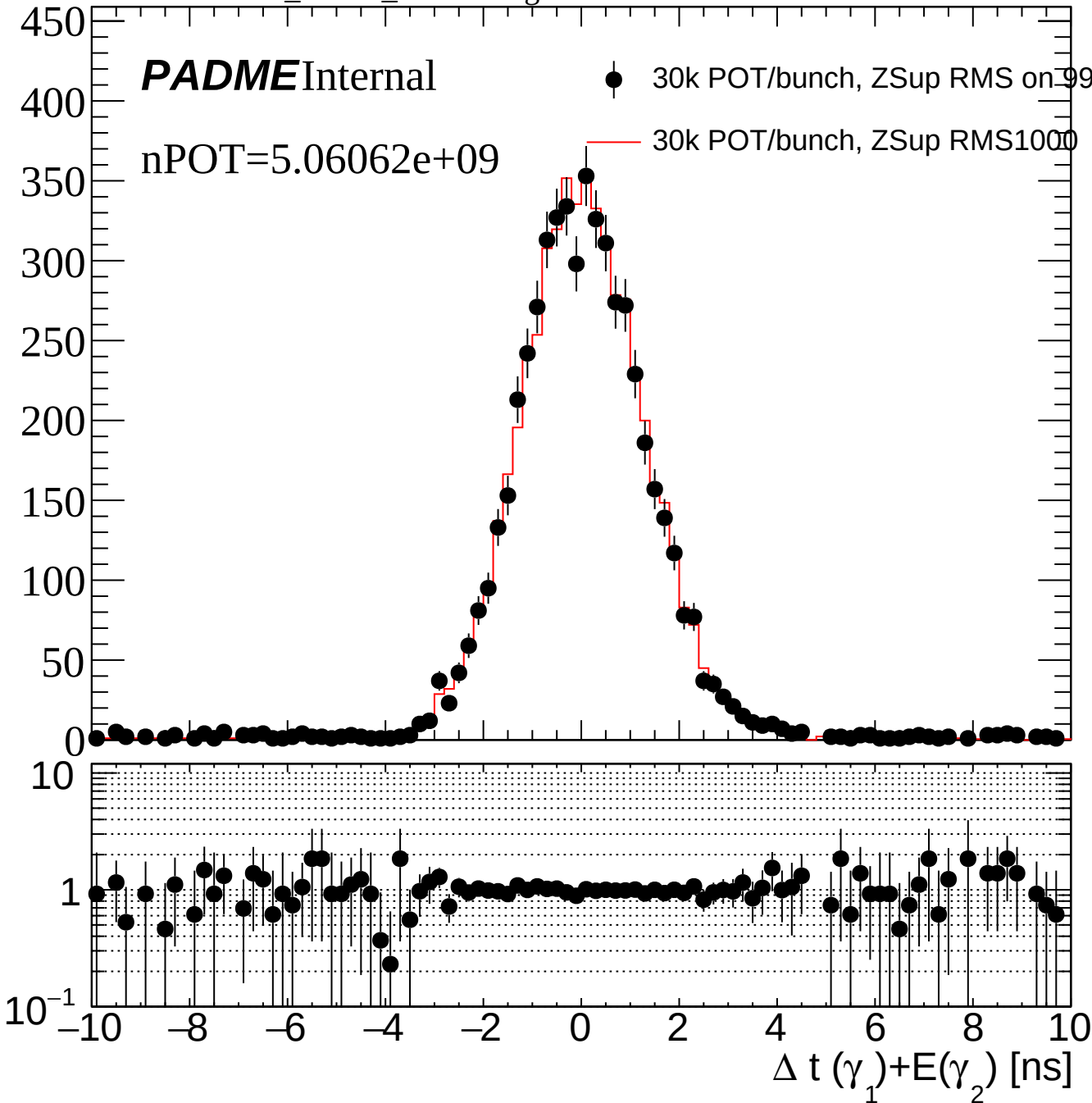
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

RMS994/RMS1000



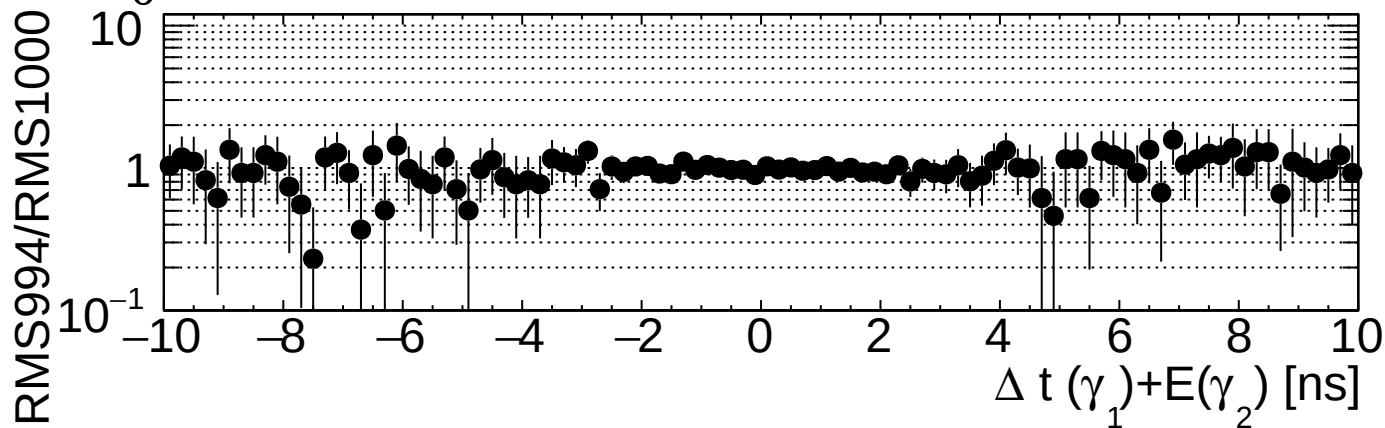
ECAL_dTime_10ns5DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



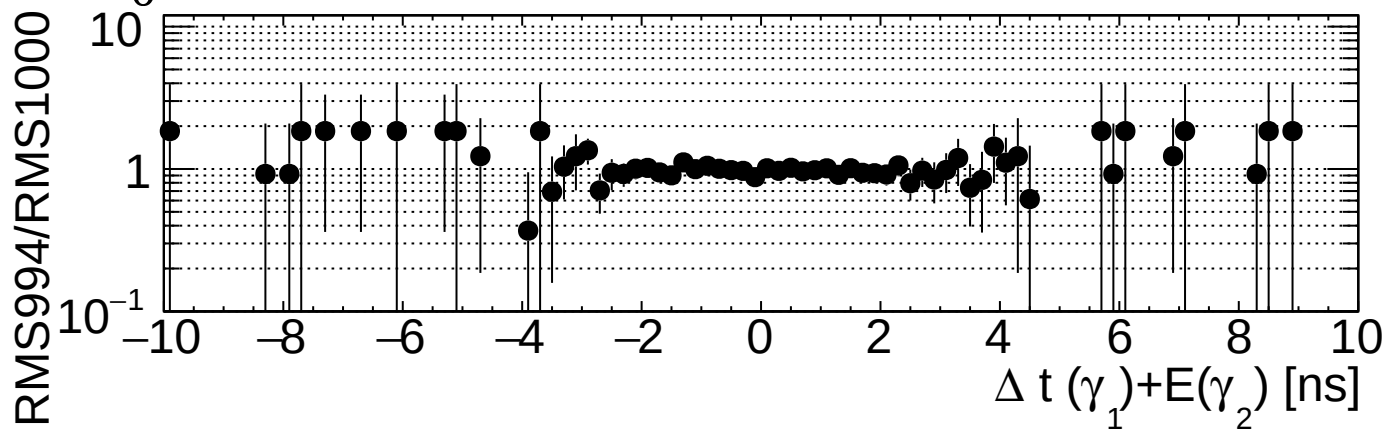
ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_dTime_10ns1CoG

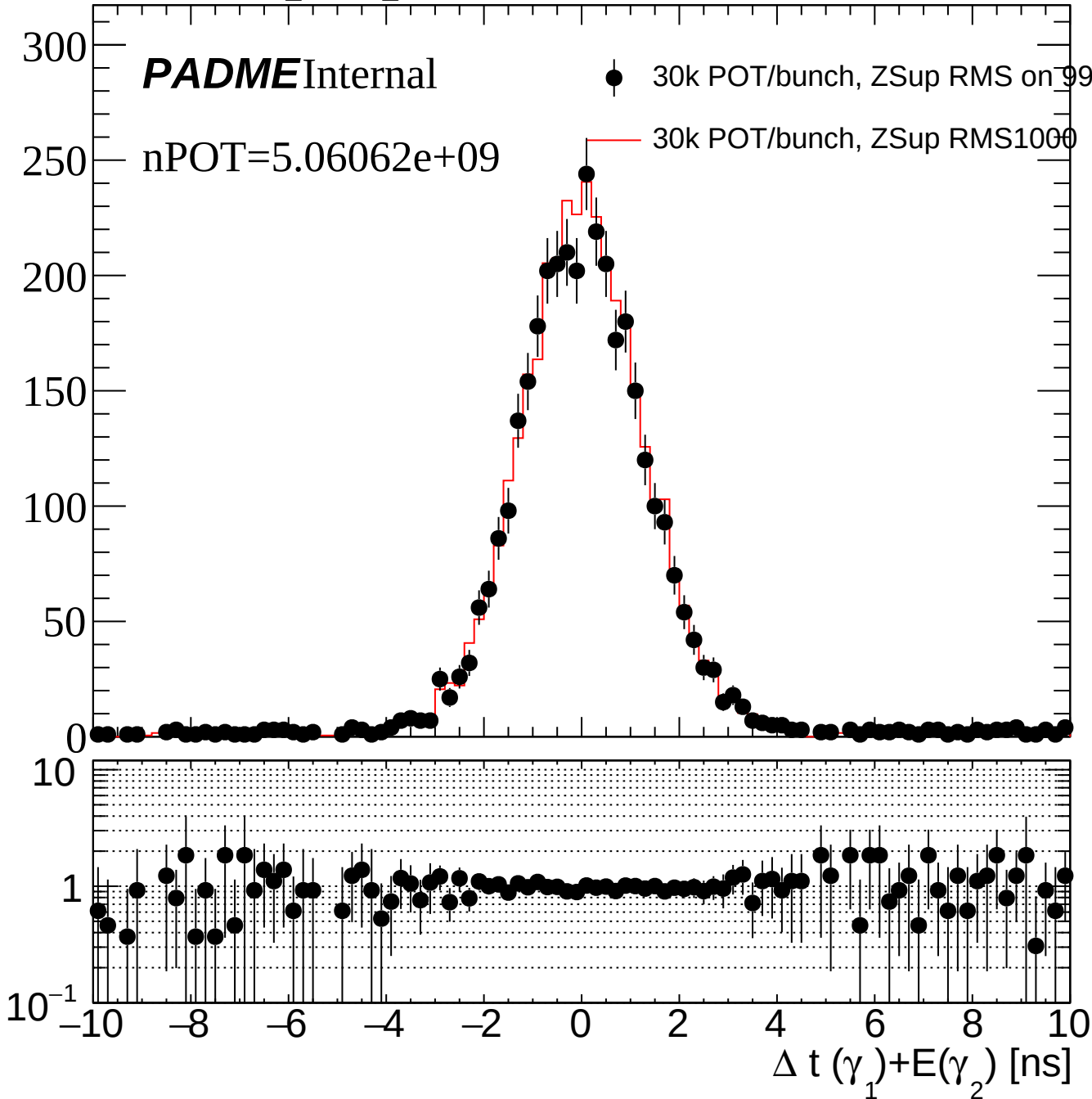
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

RMS994/RMS1000



ECAL_dTime_10ns1CoGUnderPeakEThr90

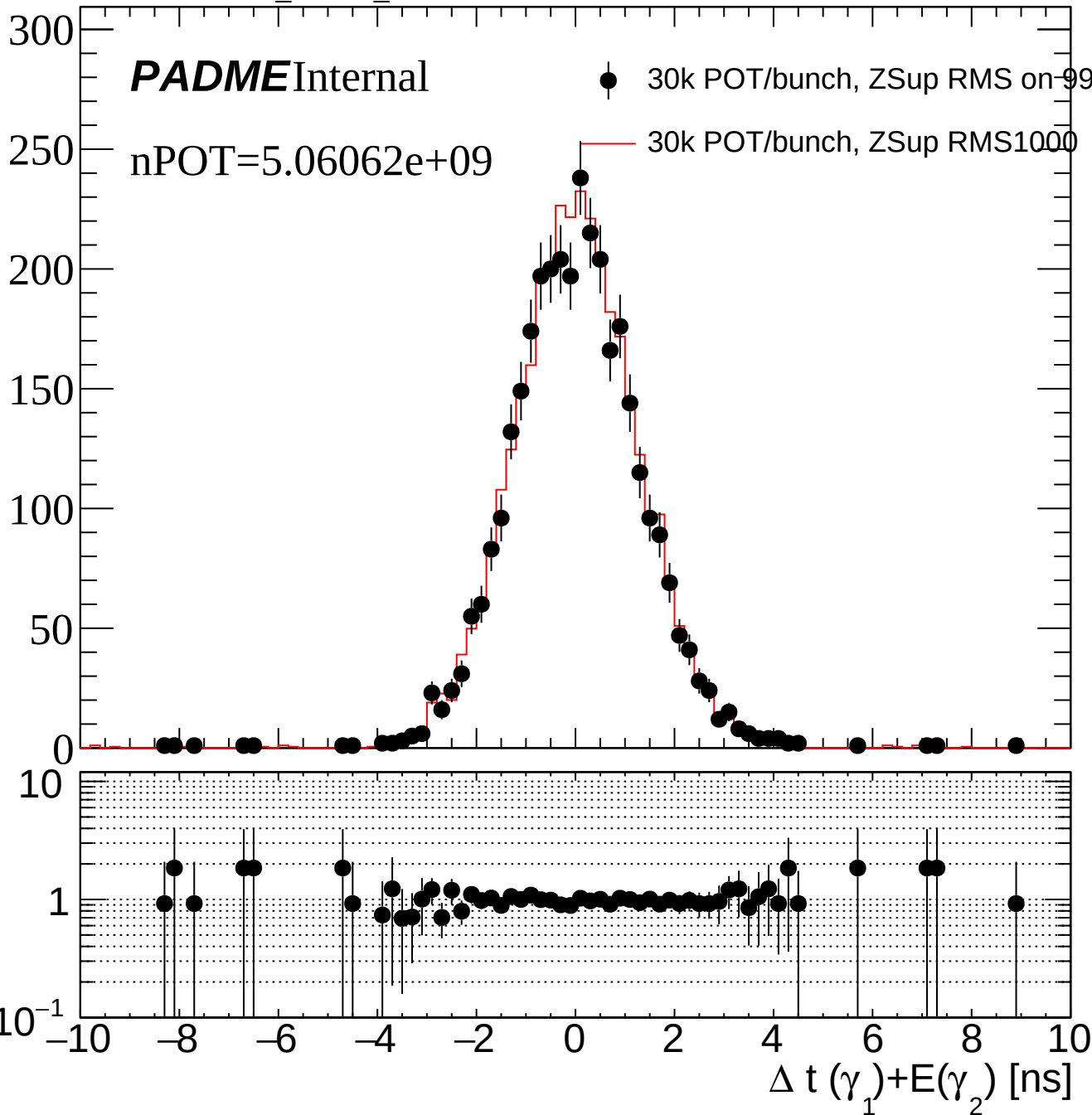
PADMEInternal

nPOT=5.06062e+09

30k POT/bunch, ZSup RMS on 994 s

30k POT/bunch, ZSup RMS1000

RMS994/RMS1000



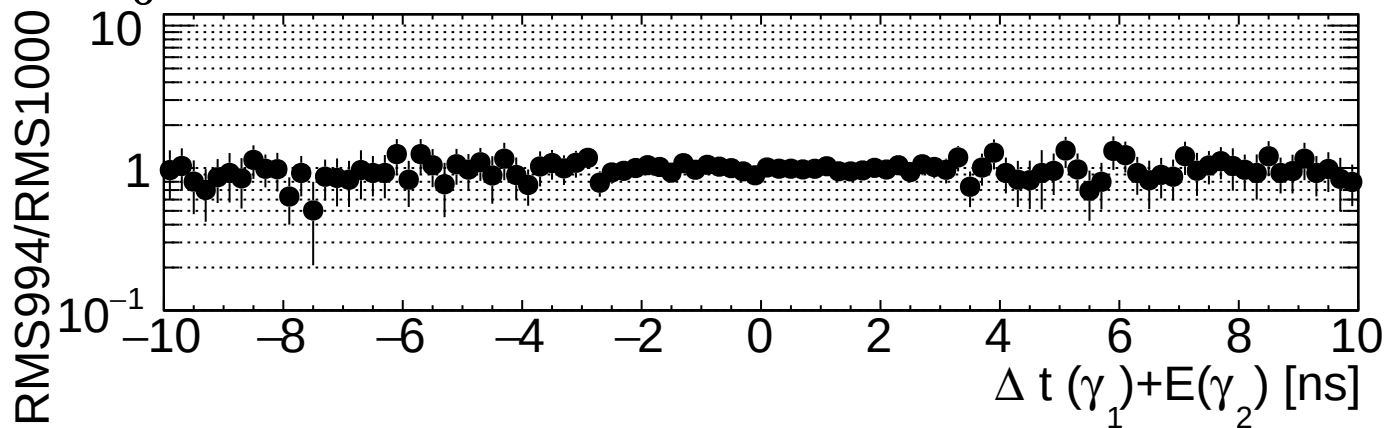
ECAL_dTime_10ns3CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



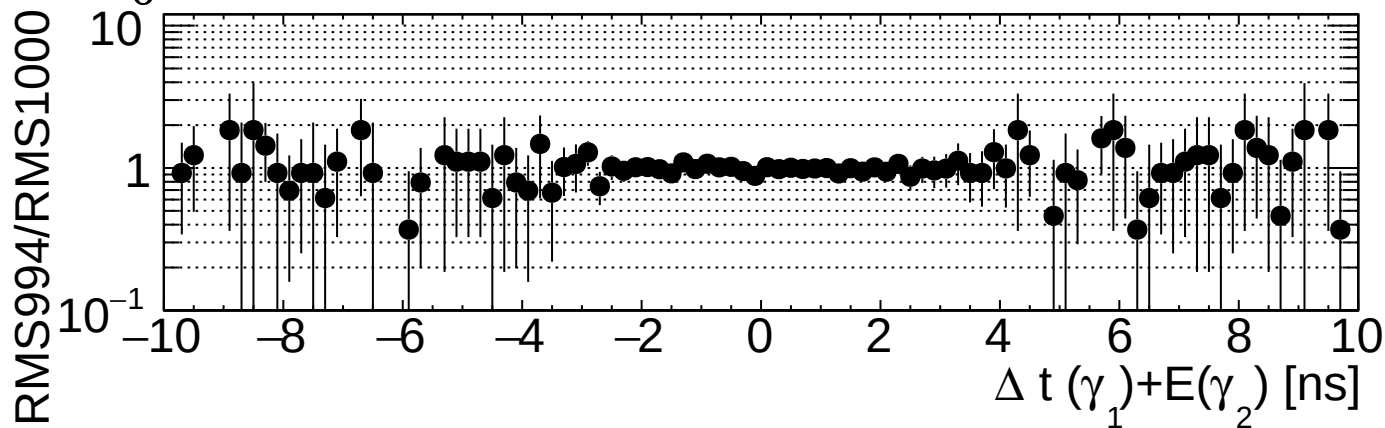
ECAL_dTime_10ns3CoGUnderPeakEThr90

PADMEInternal

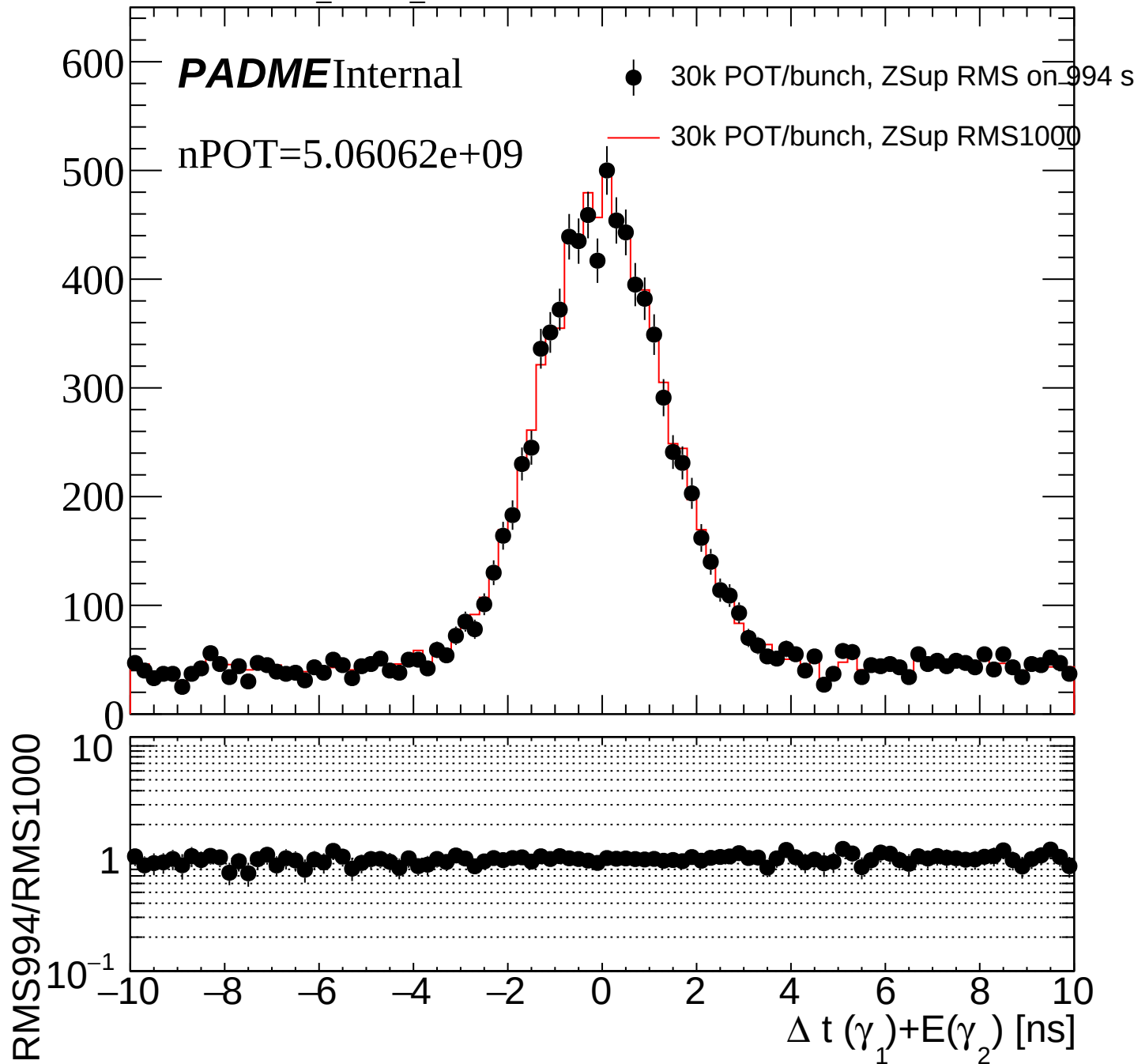
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● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_dTime_10ns5CoG



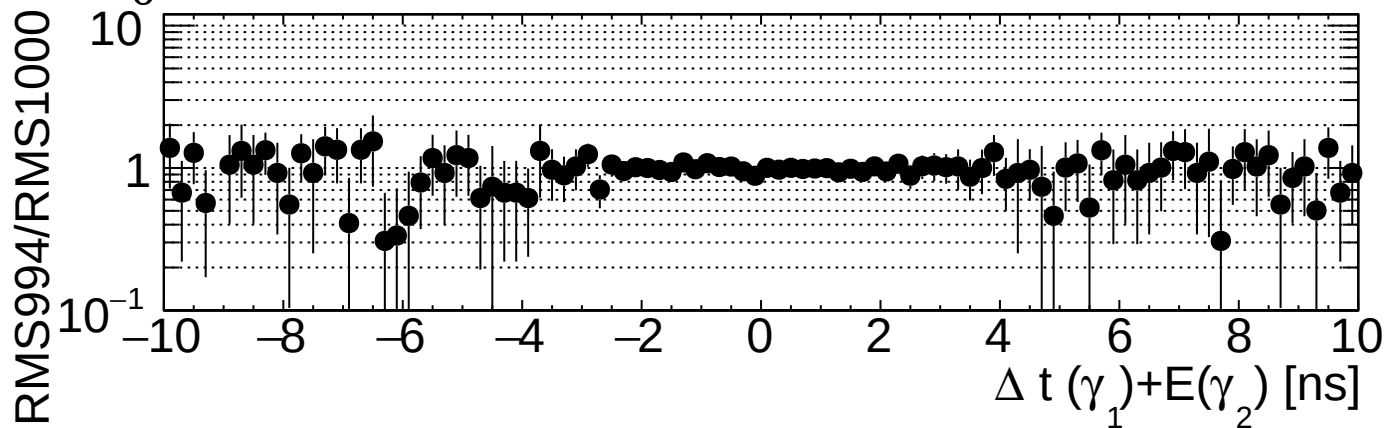
ECAL_dTime_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

30k POT/bunch, ZSup RMS on 994 s

30k POT/bunch, ZSup RMS1000



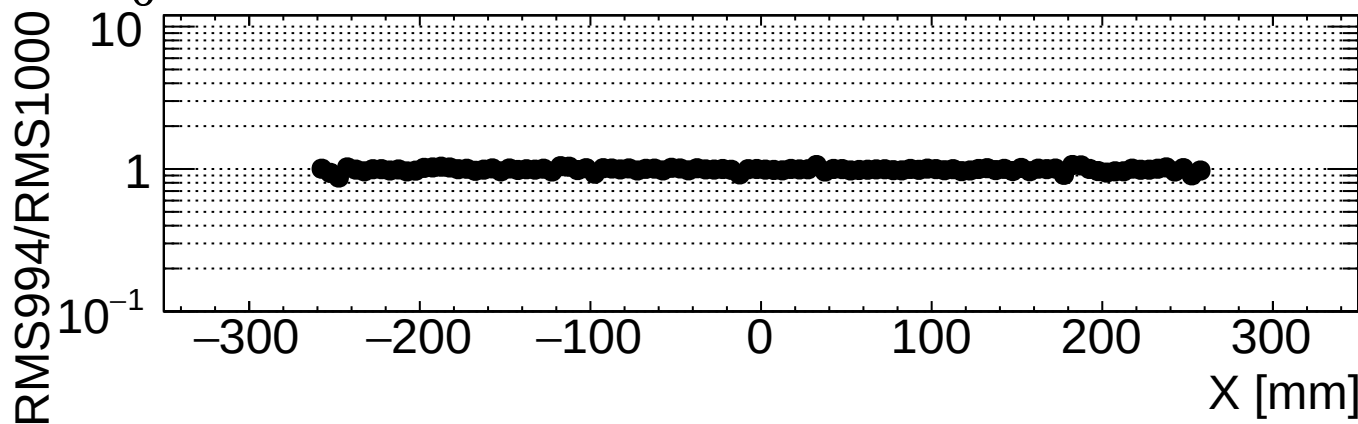
ECAL_Xgg_10ns

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



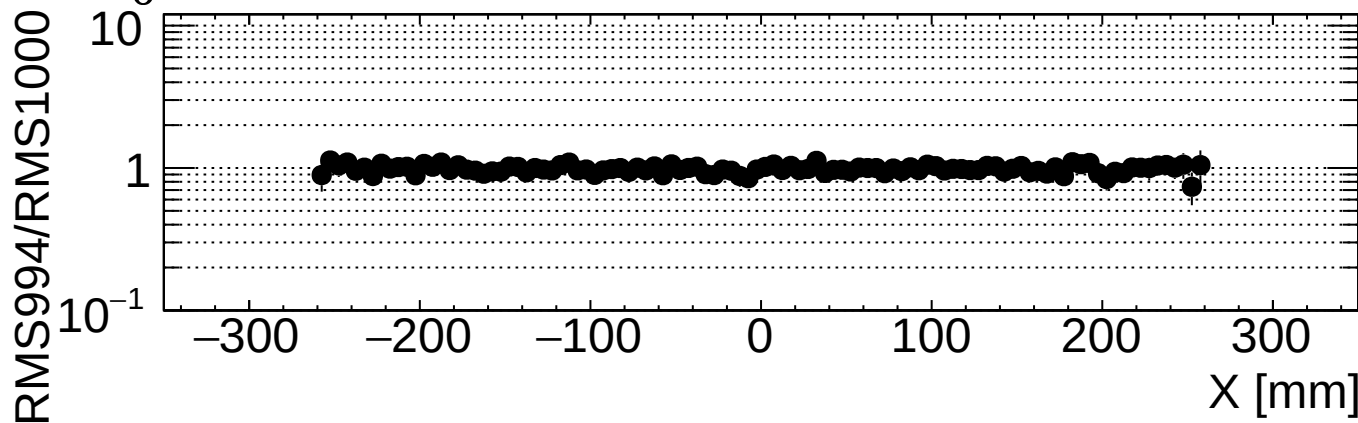
ECAL_Xgg_10ns20Degree

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



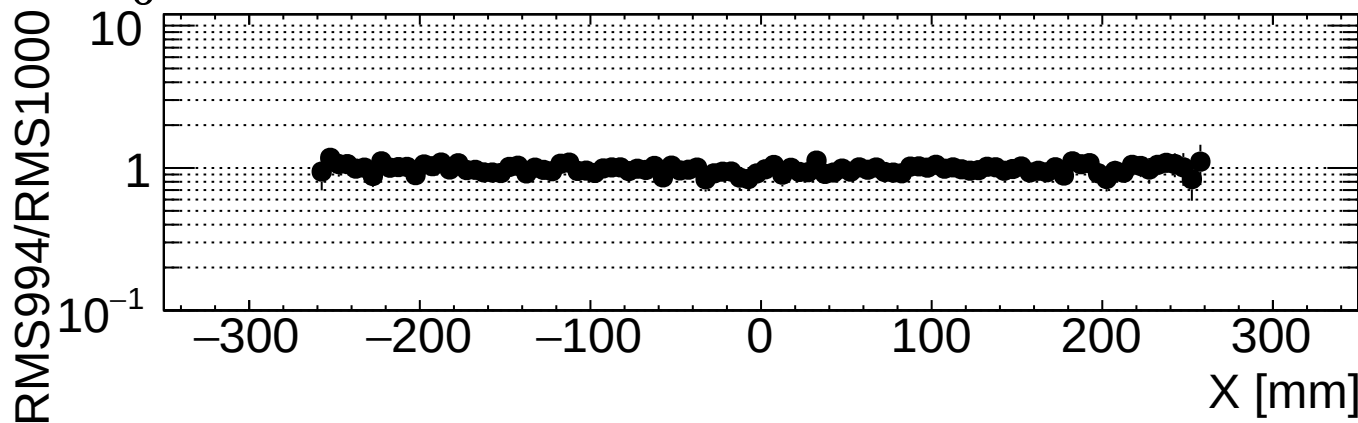
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PADMEInternal

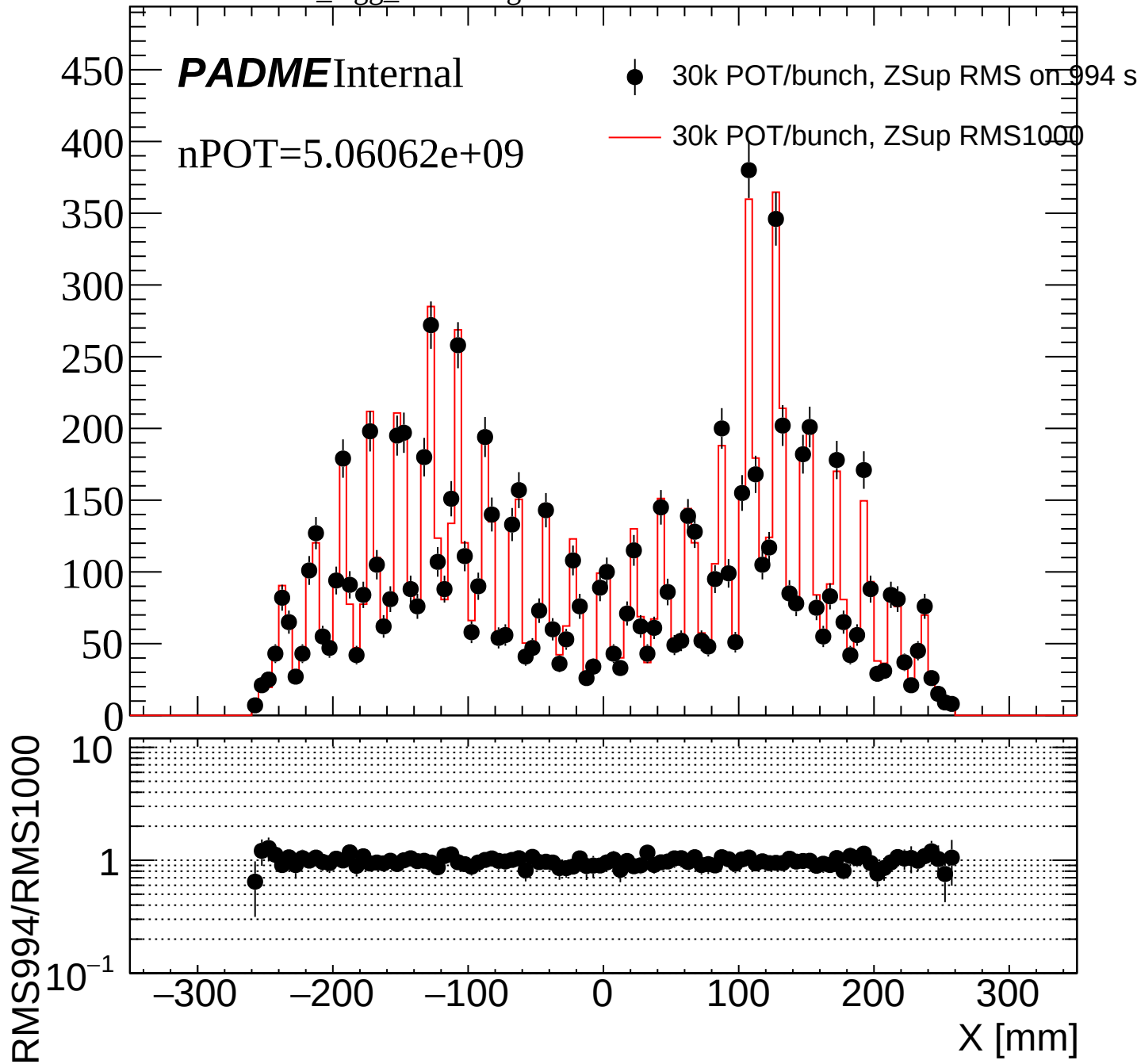
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

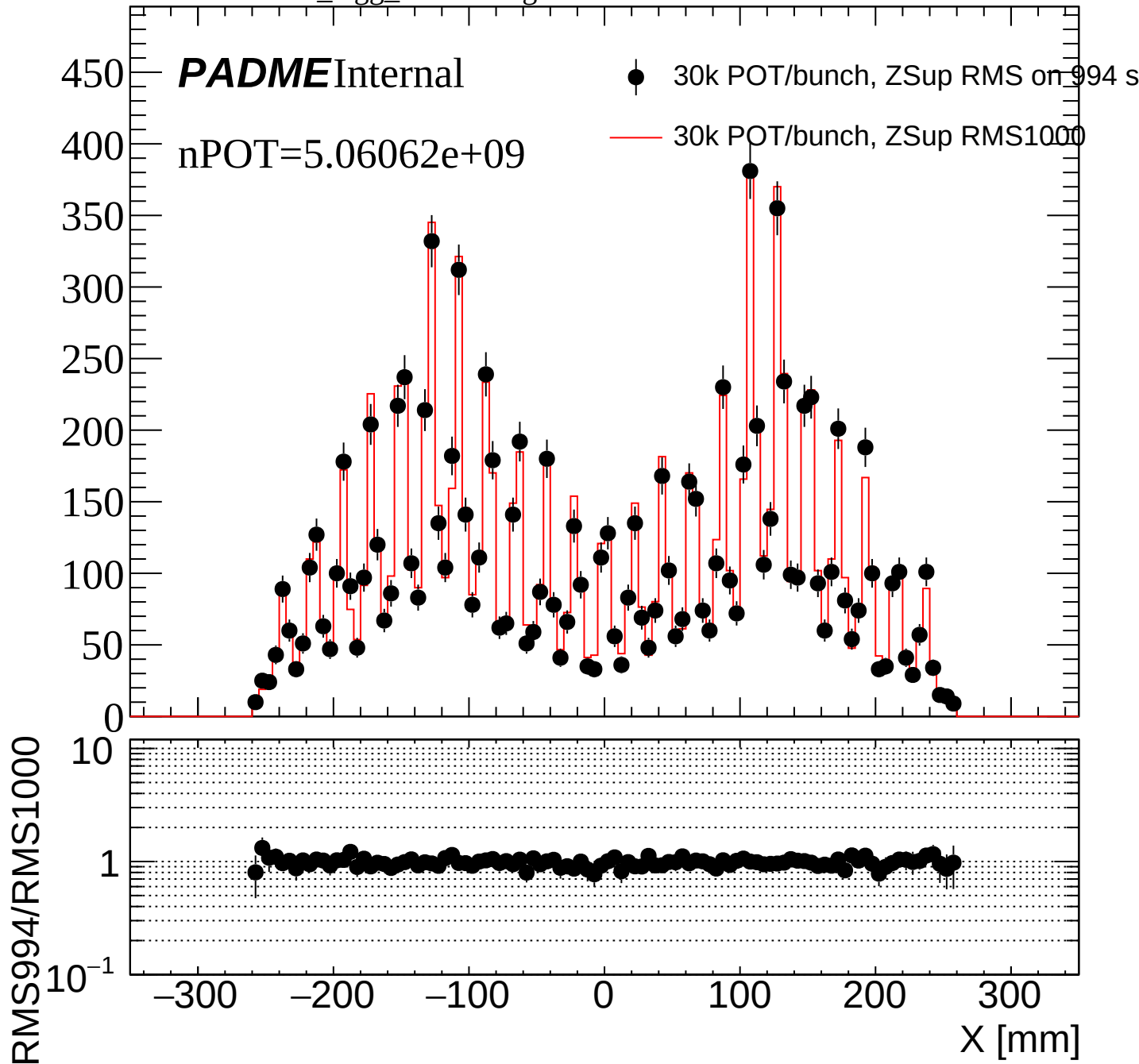
— 30k POT/bunch, ZSup RMS1000



ECAL_Xgg_10ns5DegreeDeltaTheta



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



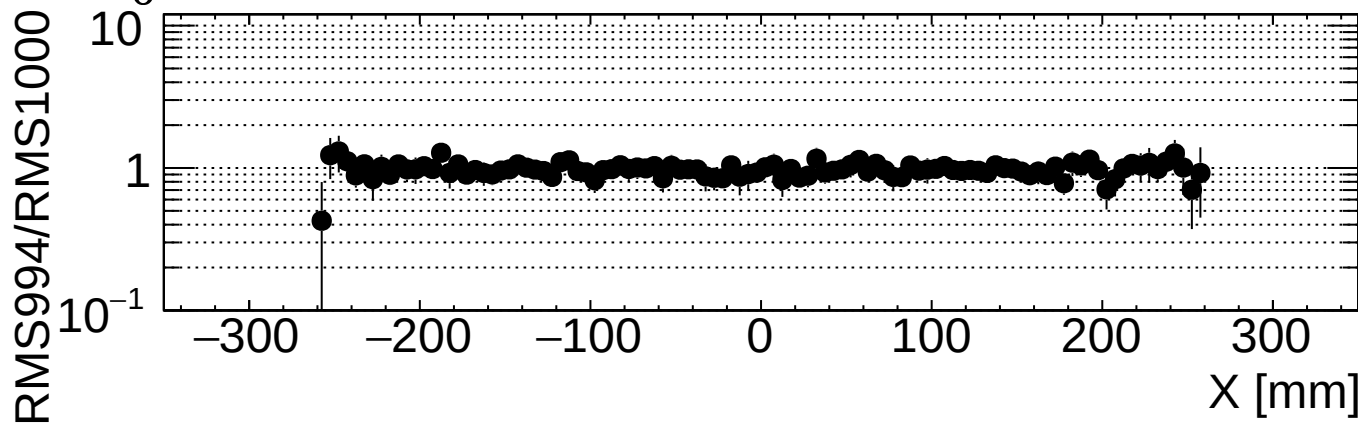
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



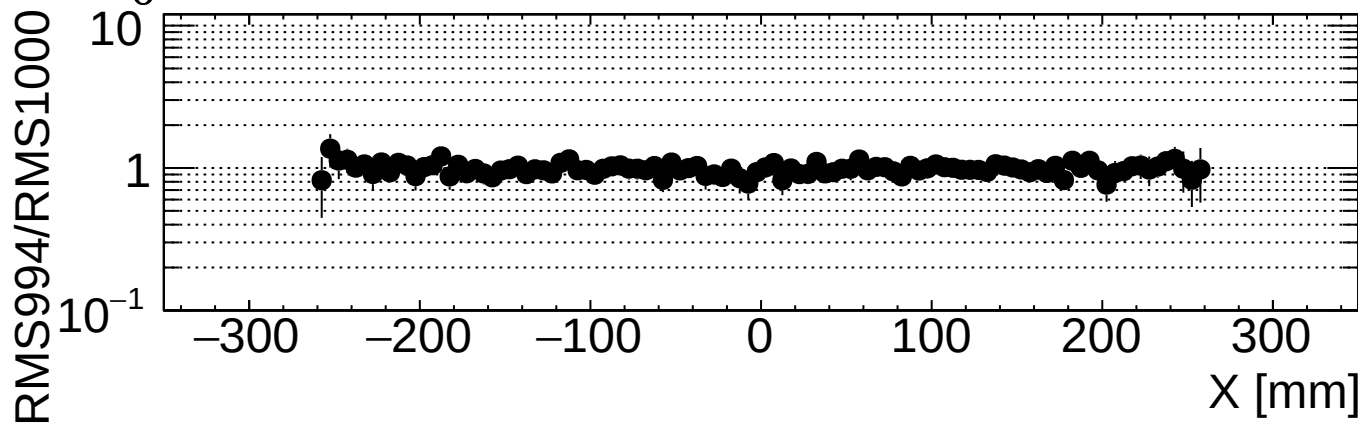
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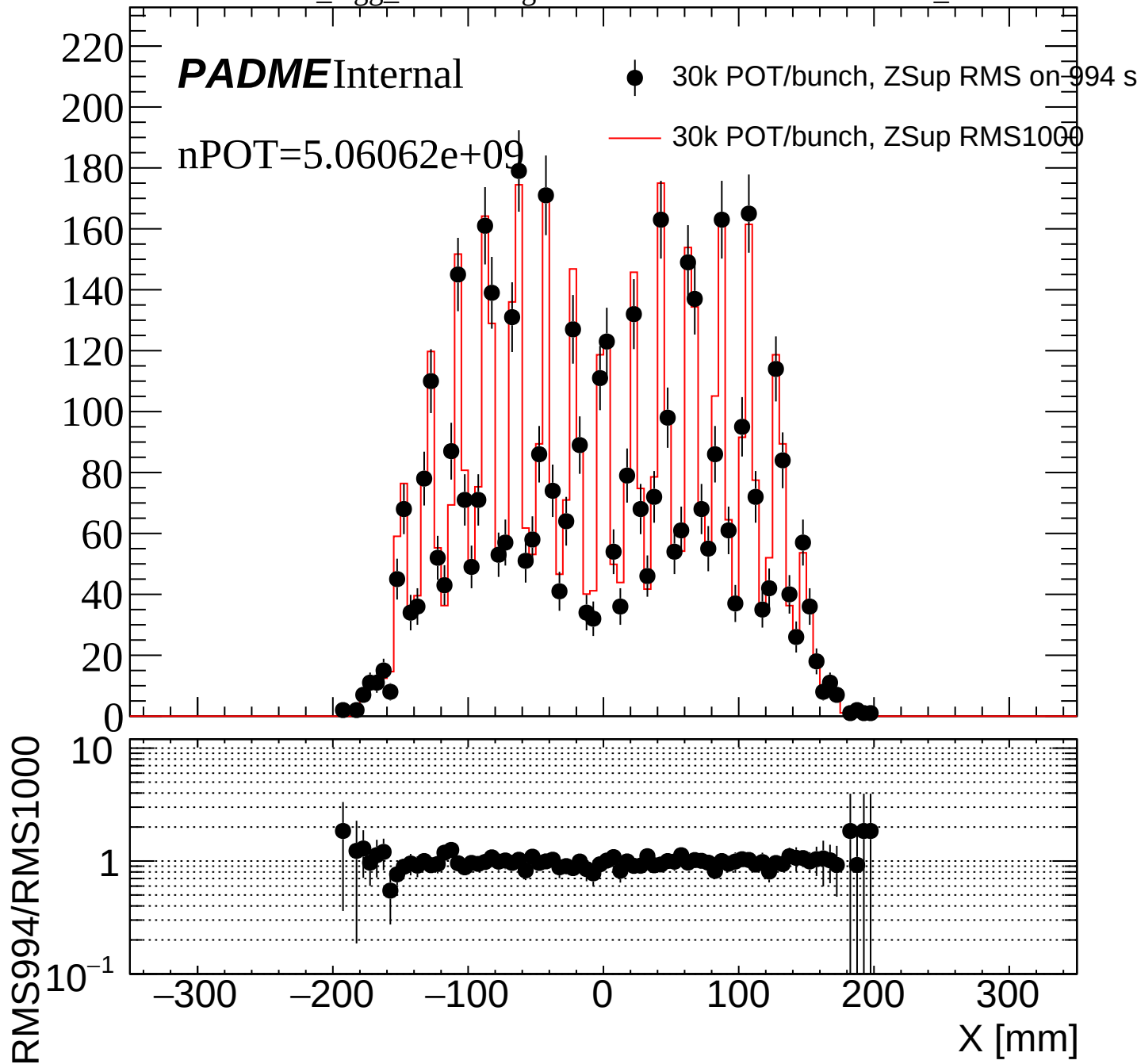
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





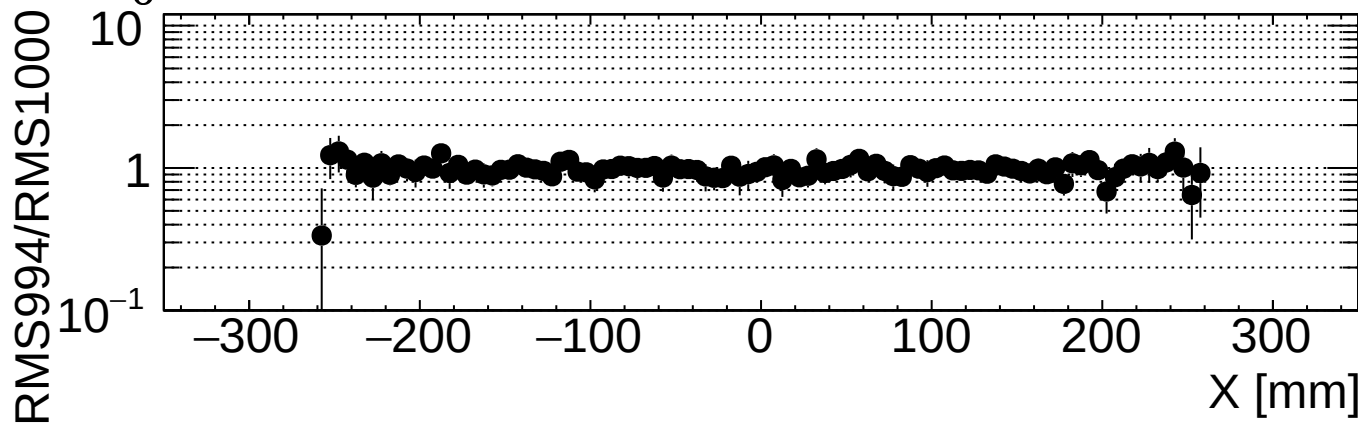
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

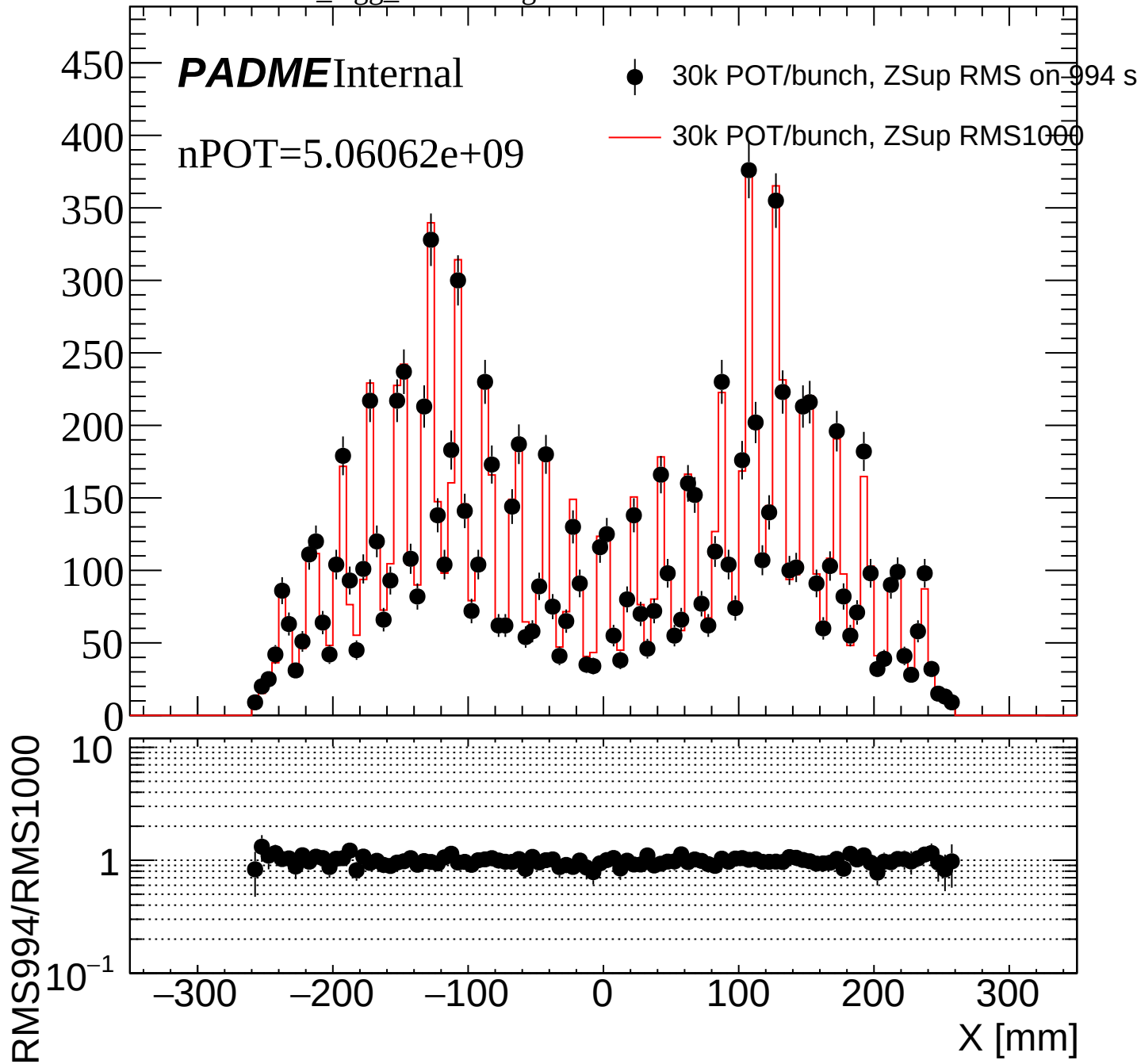
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Xgg_10ns20DegreeDeltaThetaEThr90



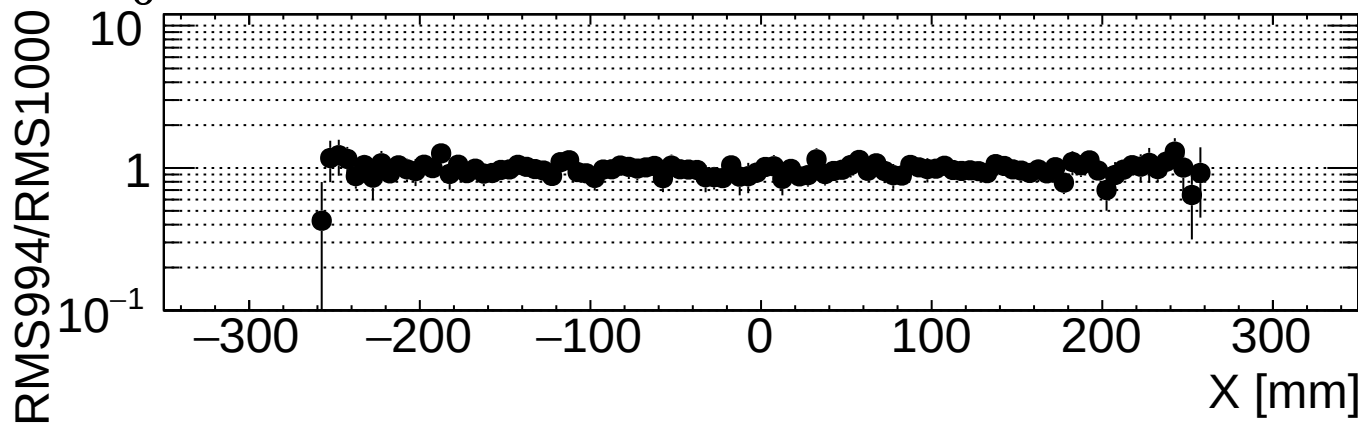
ECAL_Xgg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



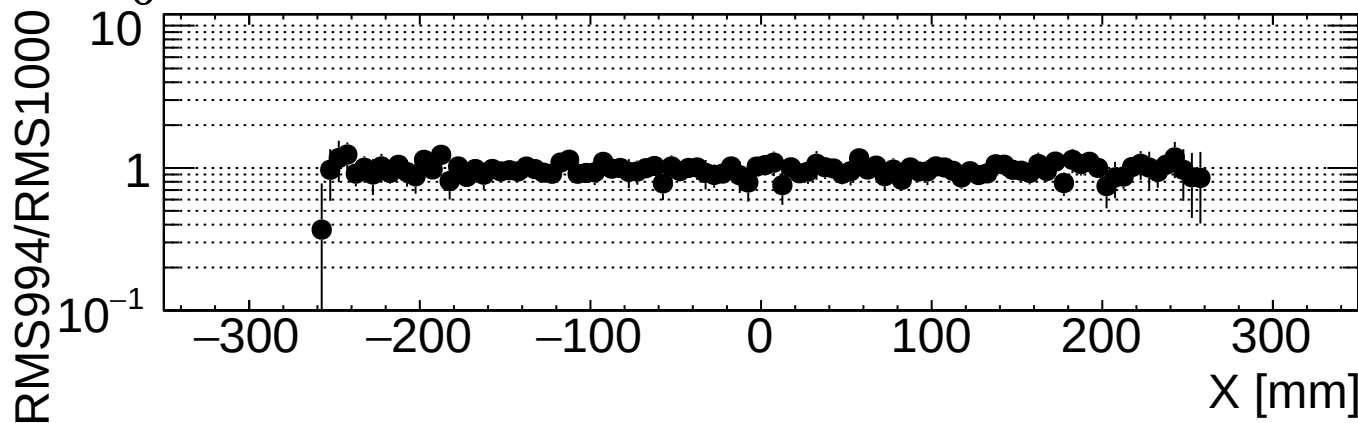
ECAL_Xgg_10ns1CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



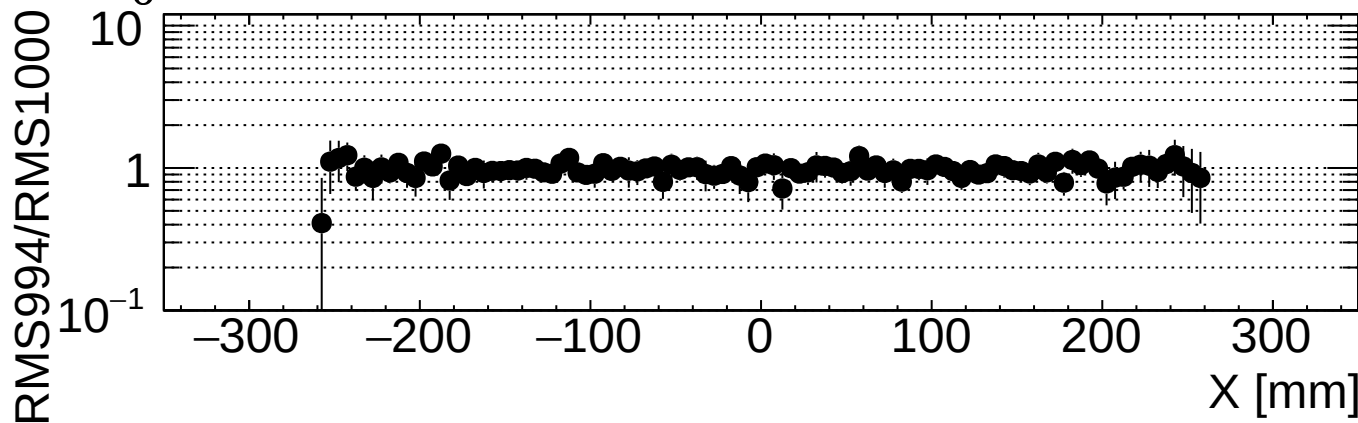
ECAL_Xgg_10ns1CoGUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



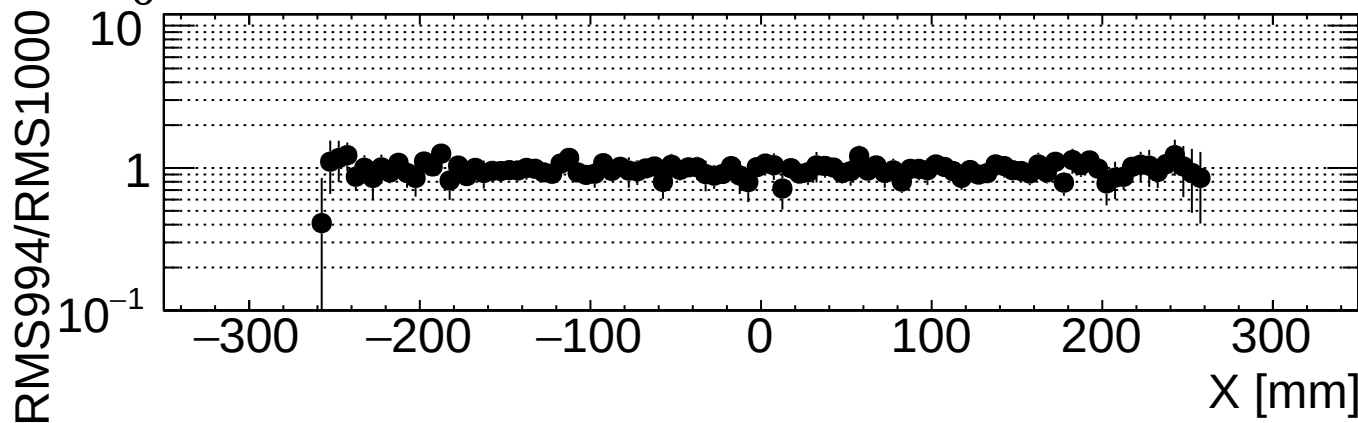
ECAL_Xgg_10ns1CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



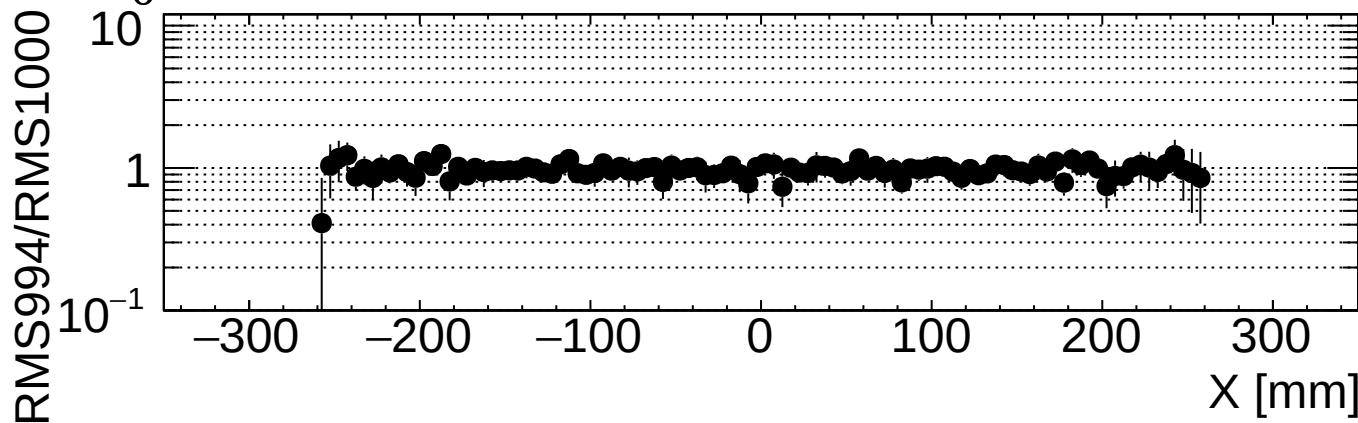
ECAL_Xgg_10ns1CoGEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



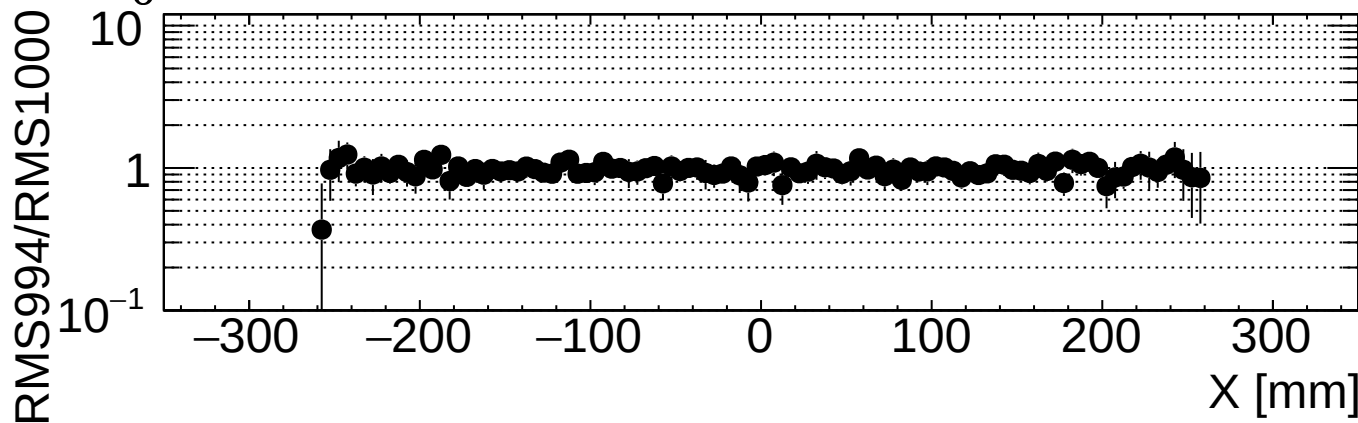
ECAL_Xgg_10ns1CoG20Degree

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



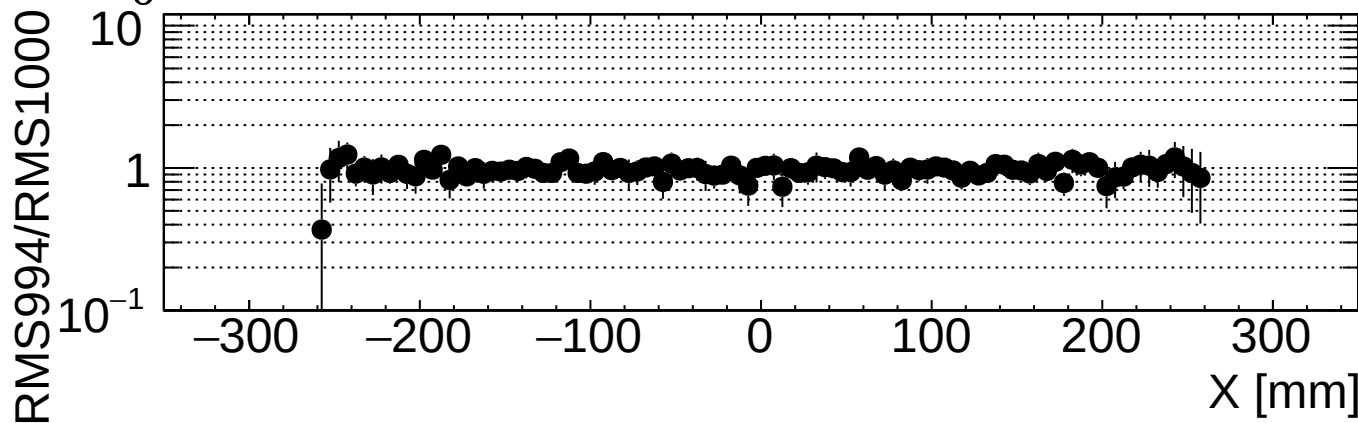
ECAL_Xgg_10ns1CoG20DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



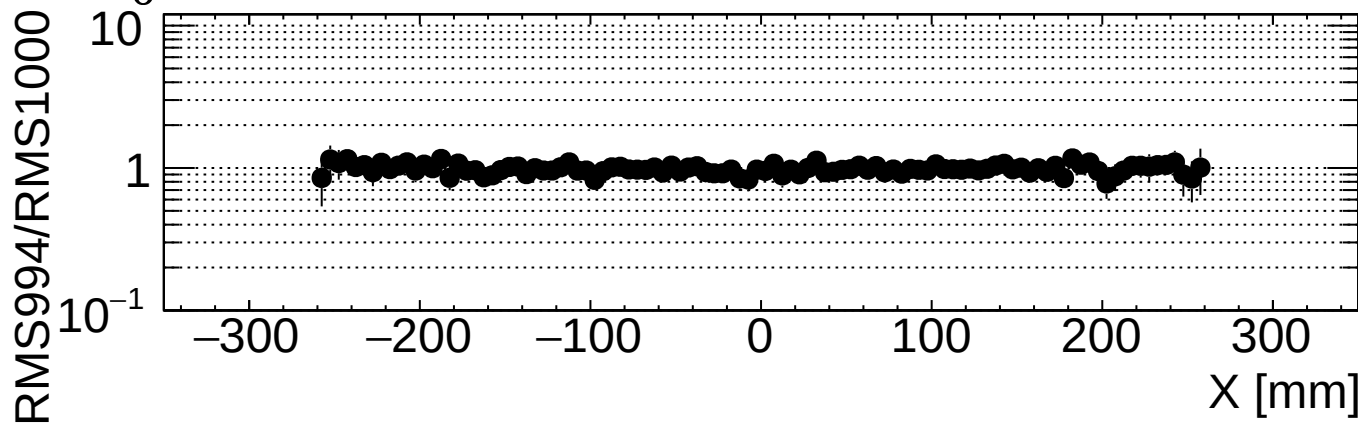
ECAL_Xgg_10ns3CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



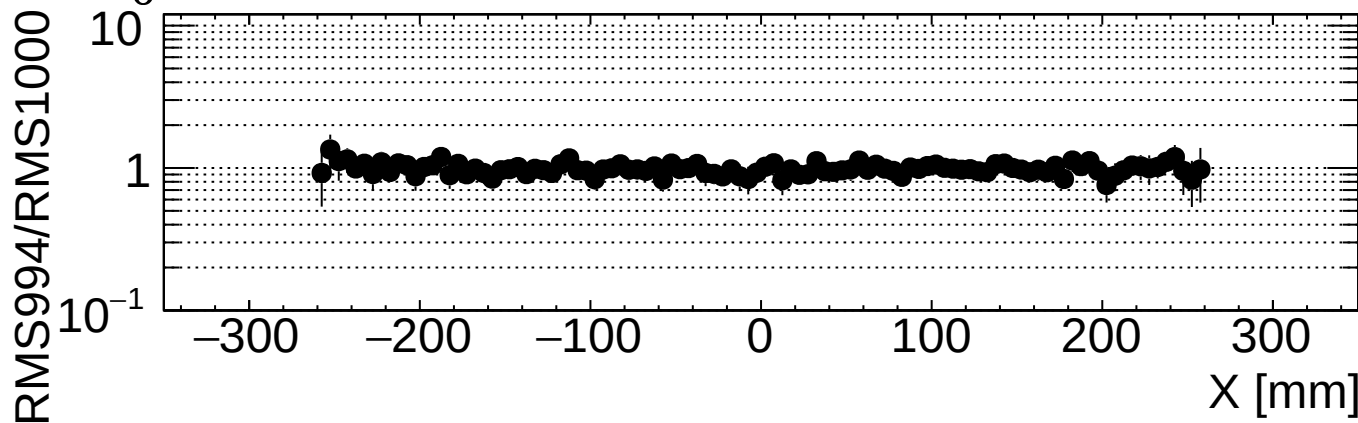
ECAL_Xgg_10ns3CoGUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



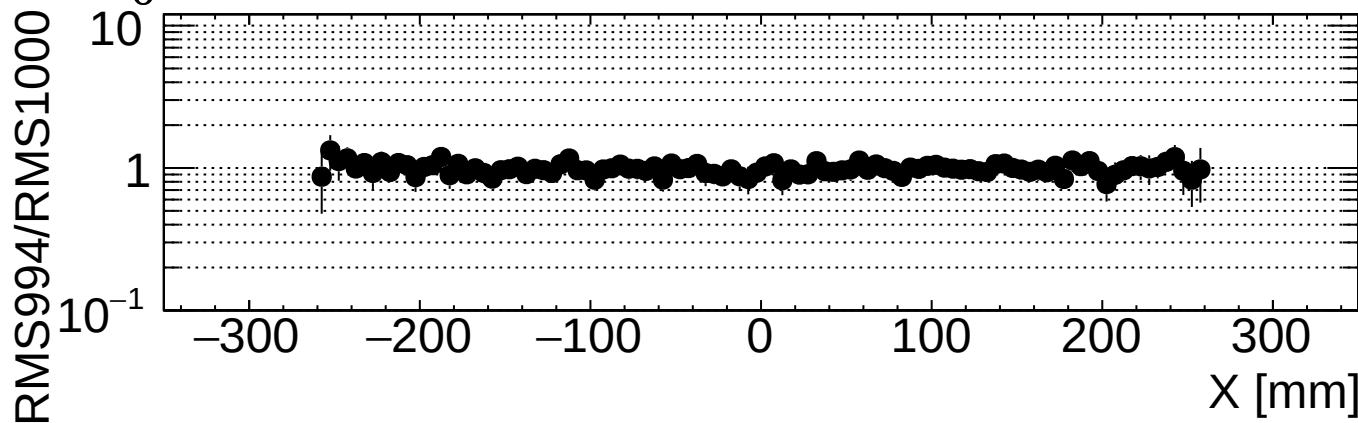
ECAL_Xgg_10ns3CoGUnderPeakEThr90

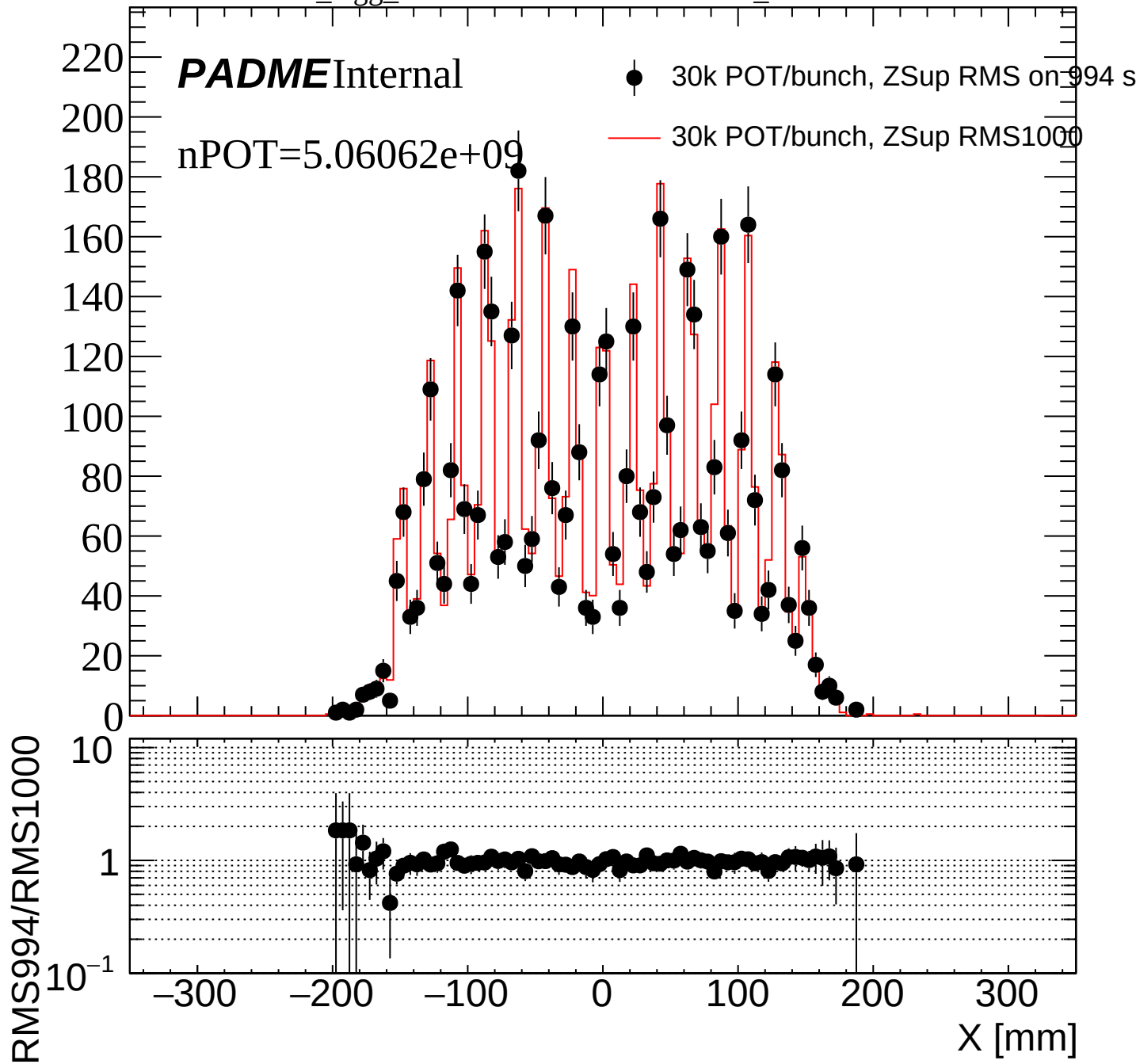
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





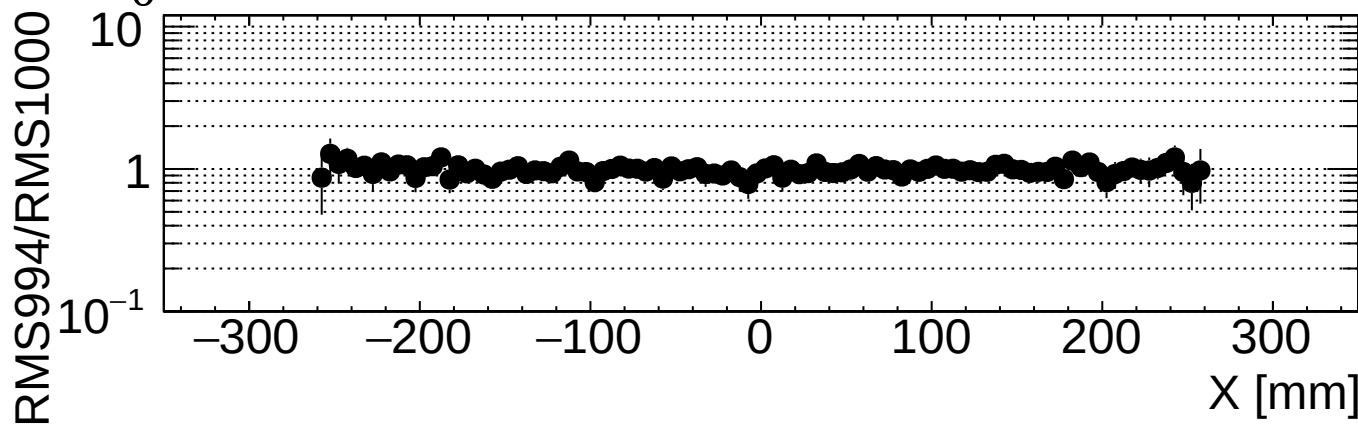
ECAL_Xgg_10ns3CoGEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



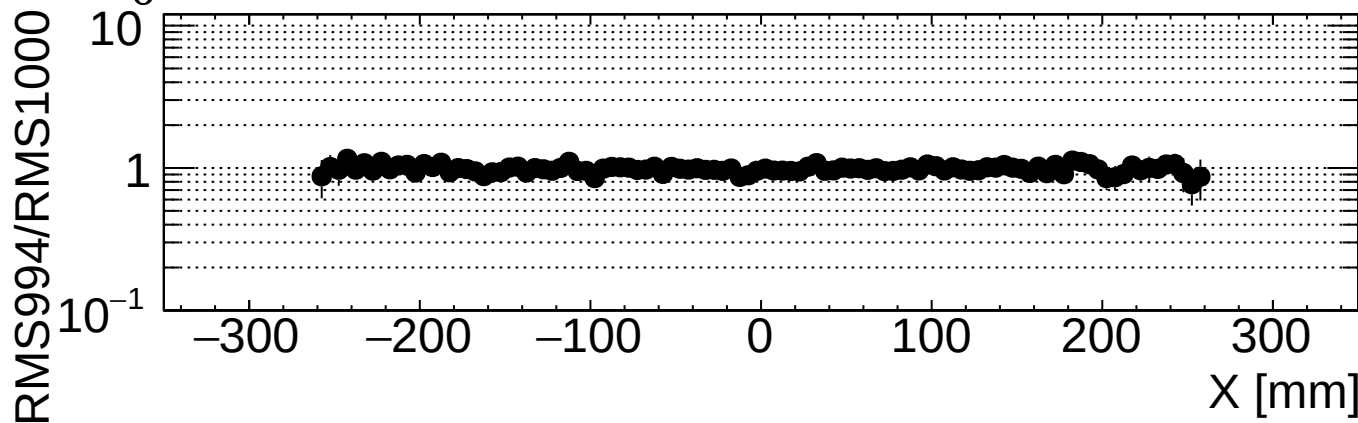
ECAL_Xgg_10ns5CoG

PADMEInternal

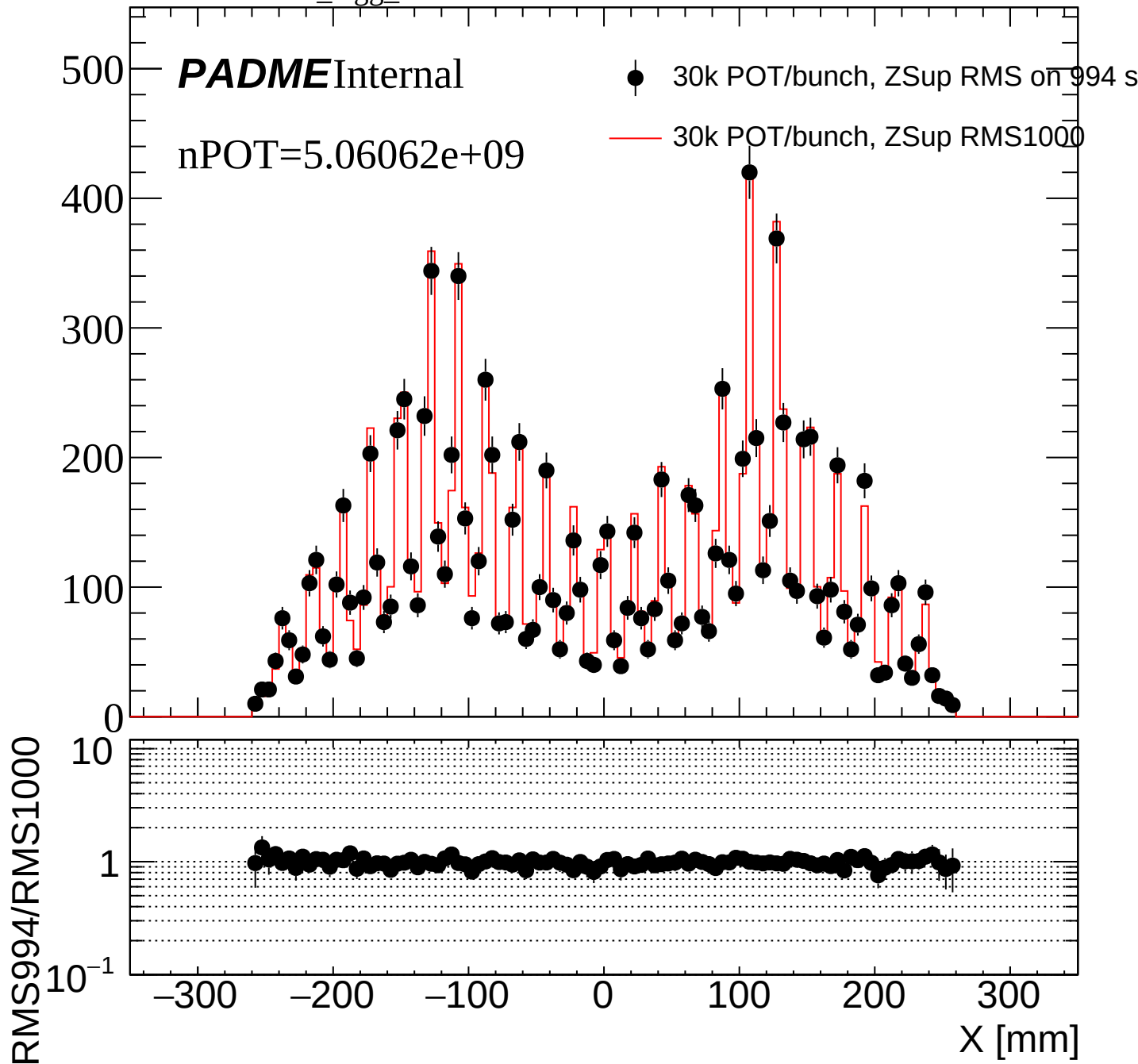
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Xgg_10ns5CoGUnderPeak



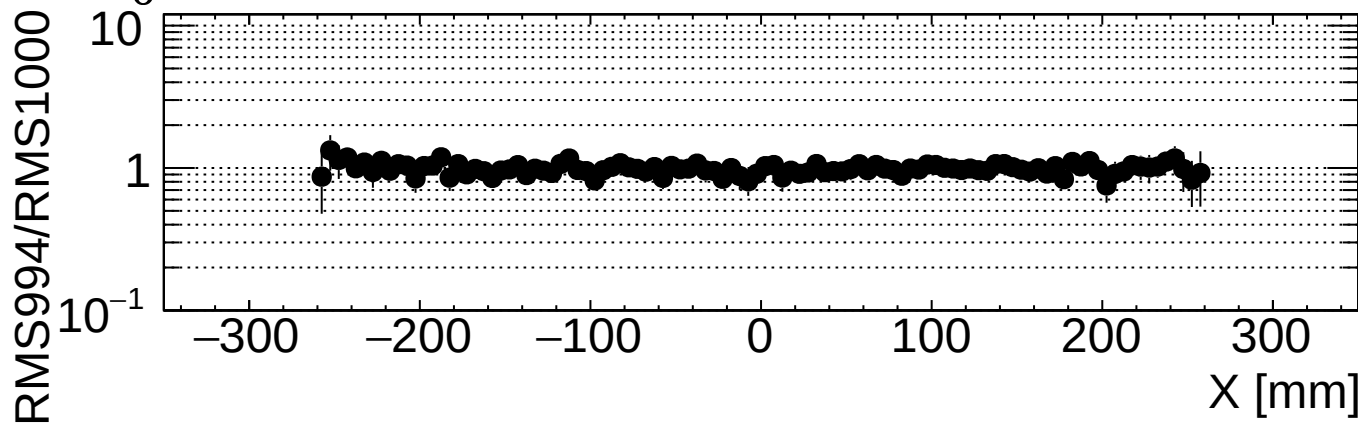
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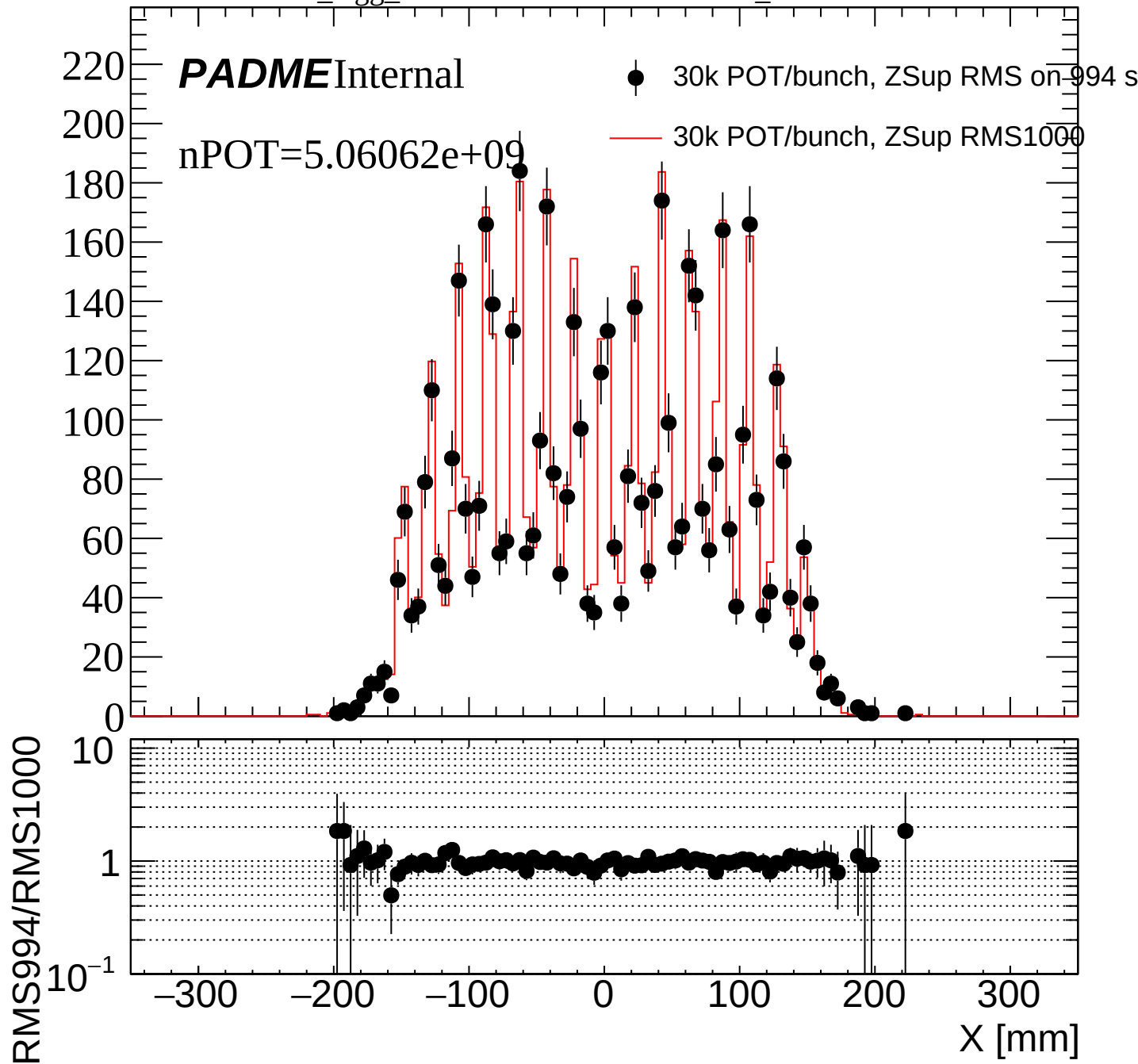
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





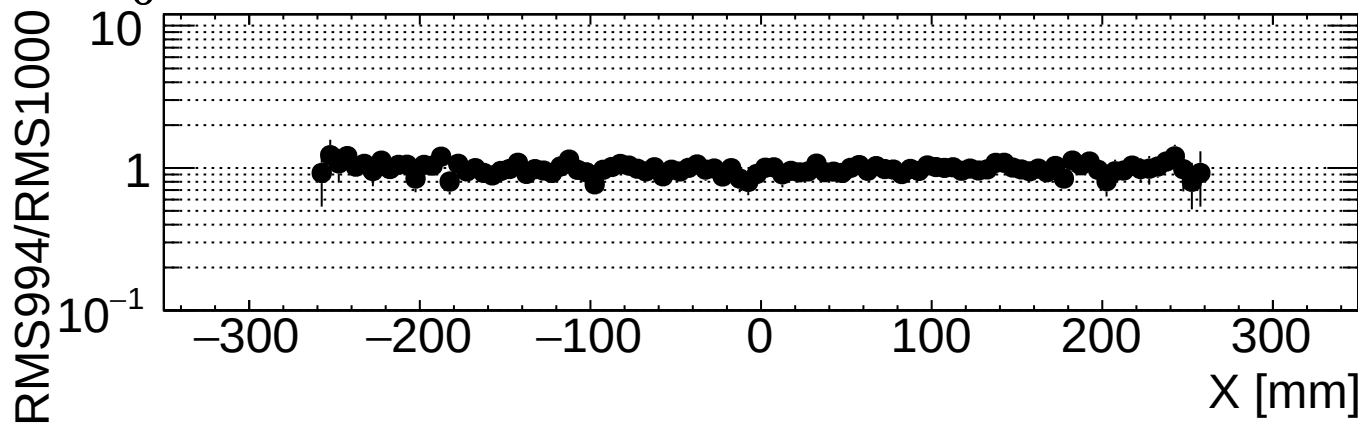
ECAL_Xgg_10ns5CoGEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



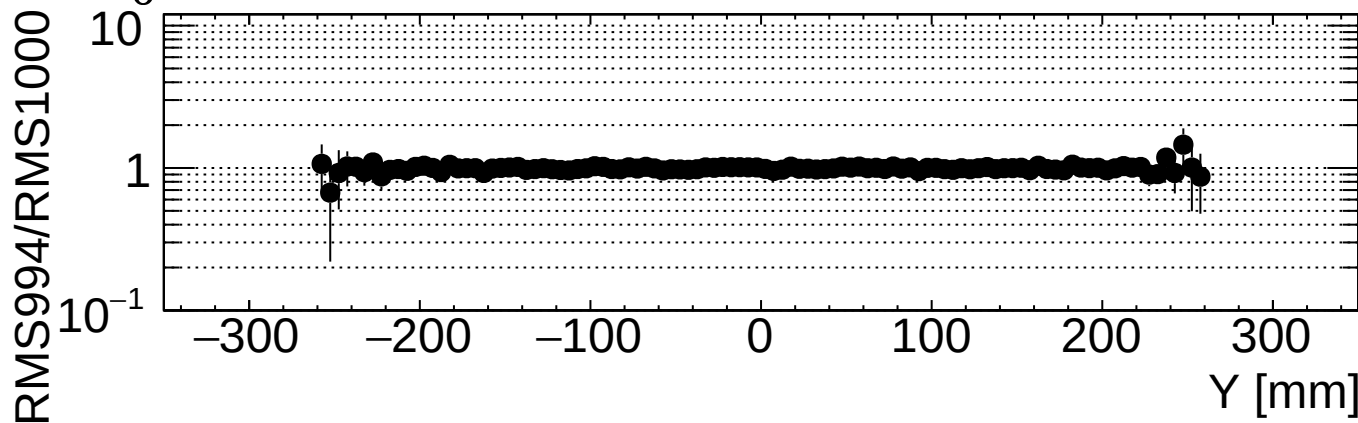
ECAL_Ygg_10ns

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



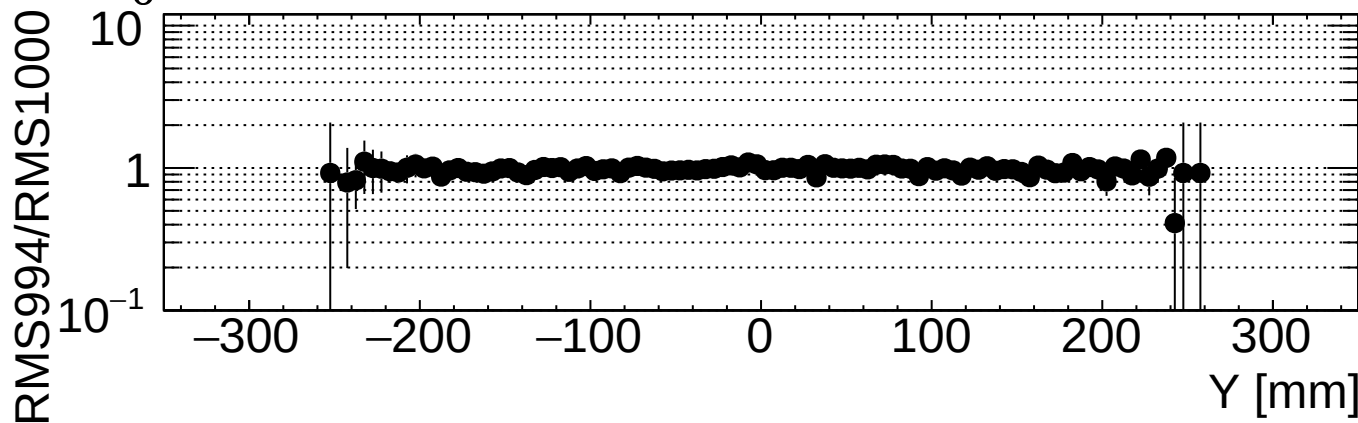
ECAL_Ygg_10ns20Degree

PADMEInternal

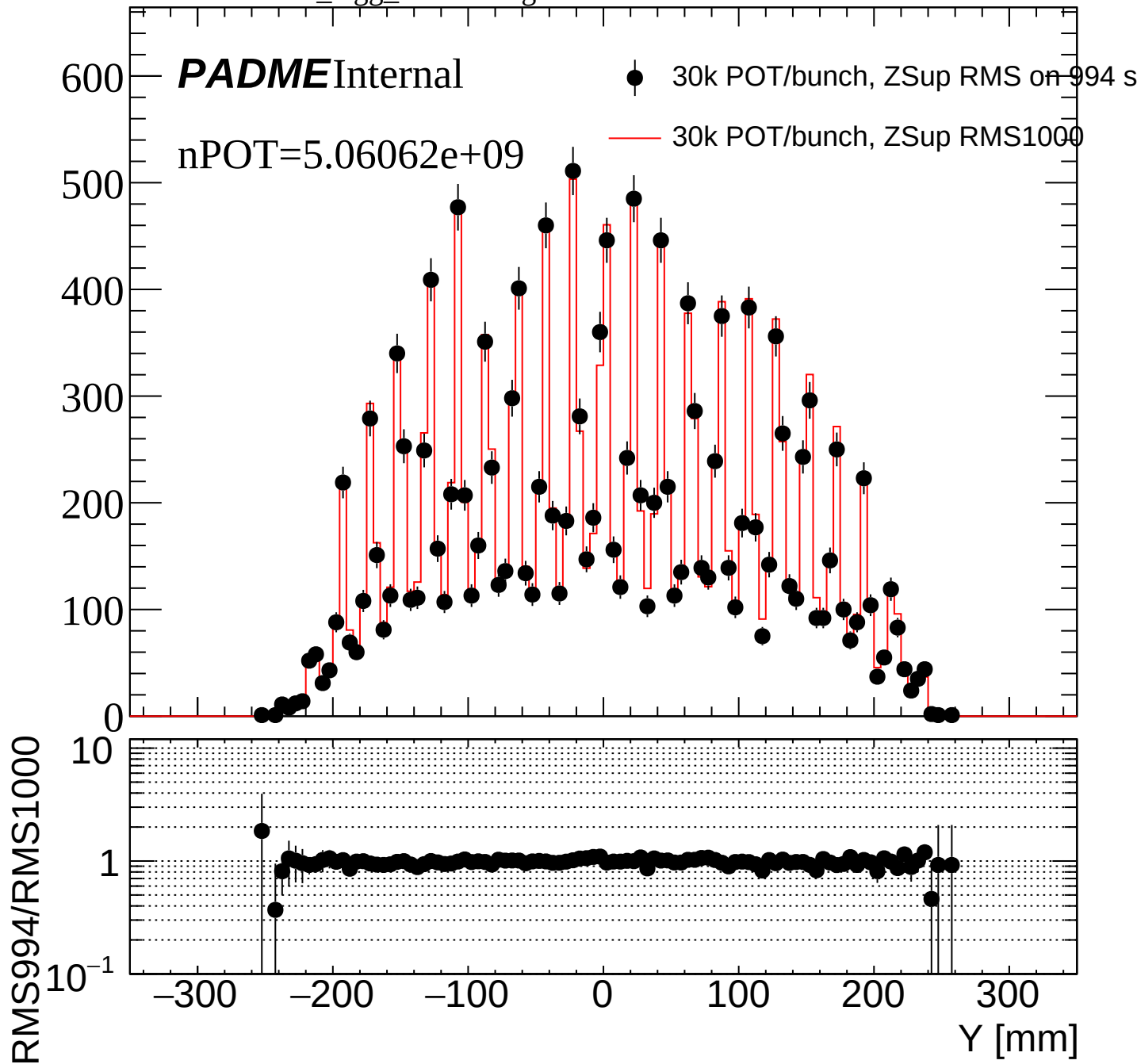
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● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Ygg_10ns20DegreeDeltaTheta



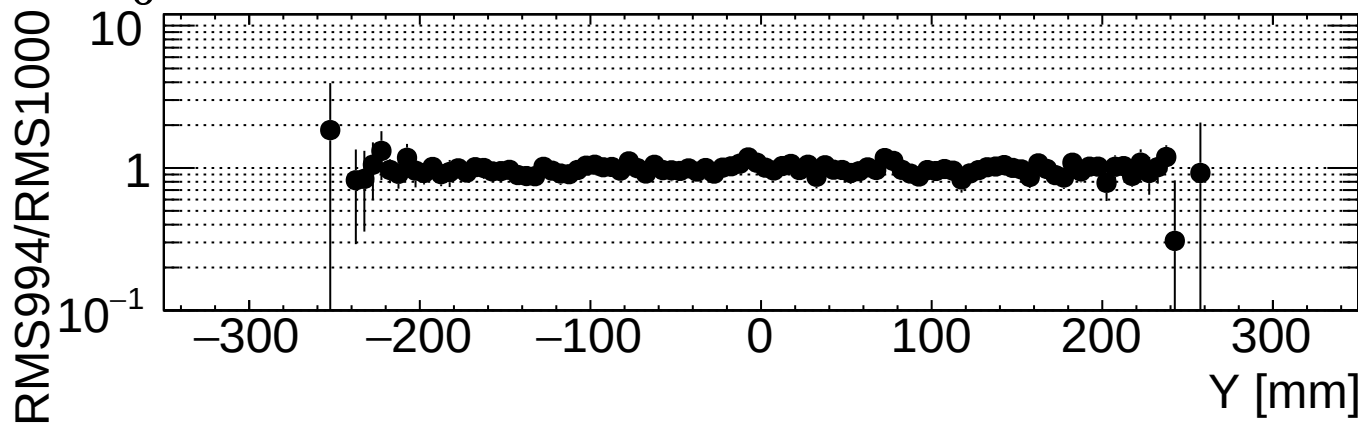
ECAL_Ygg_10ns5DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



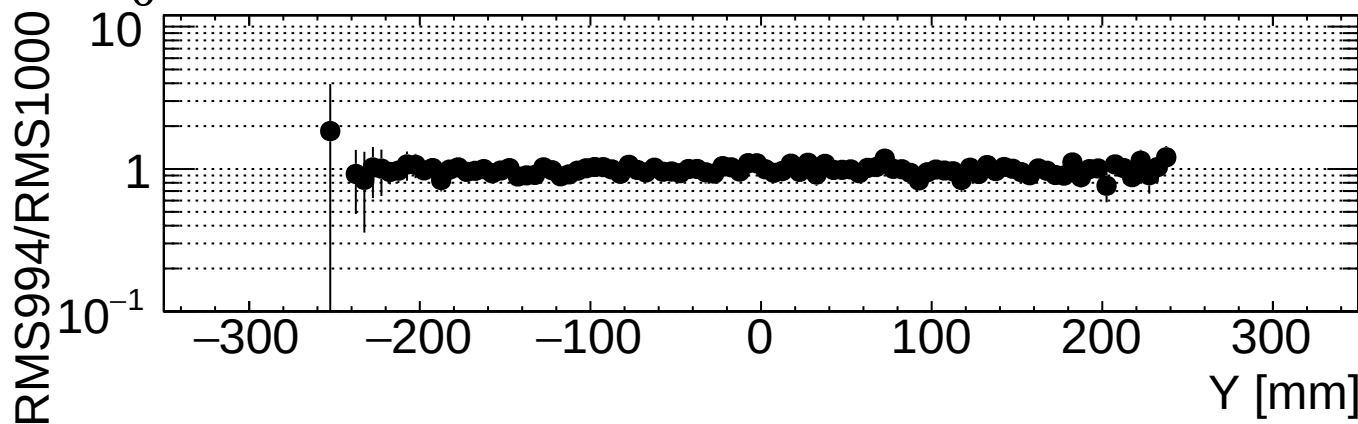
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



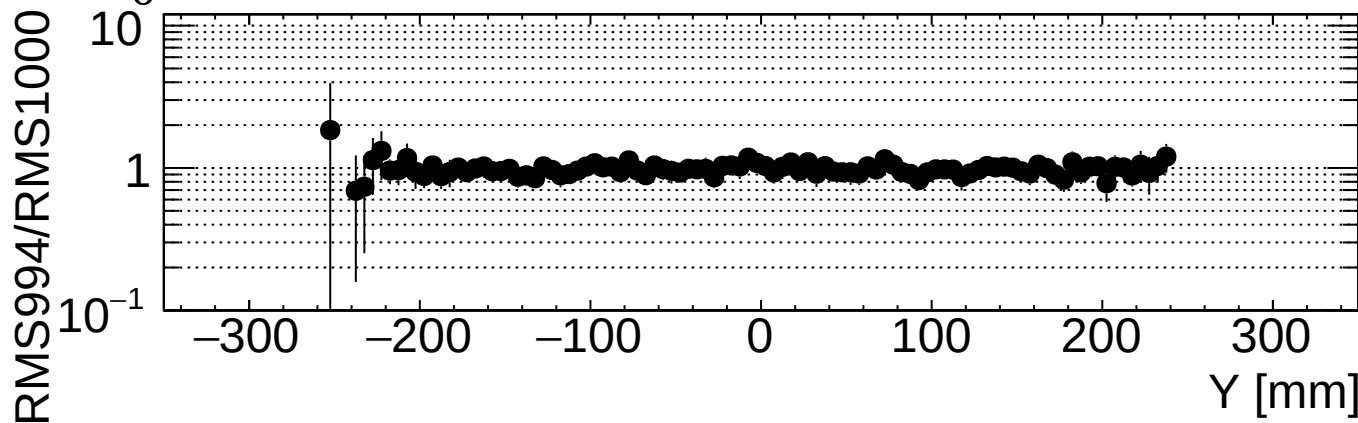
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



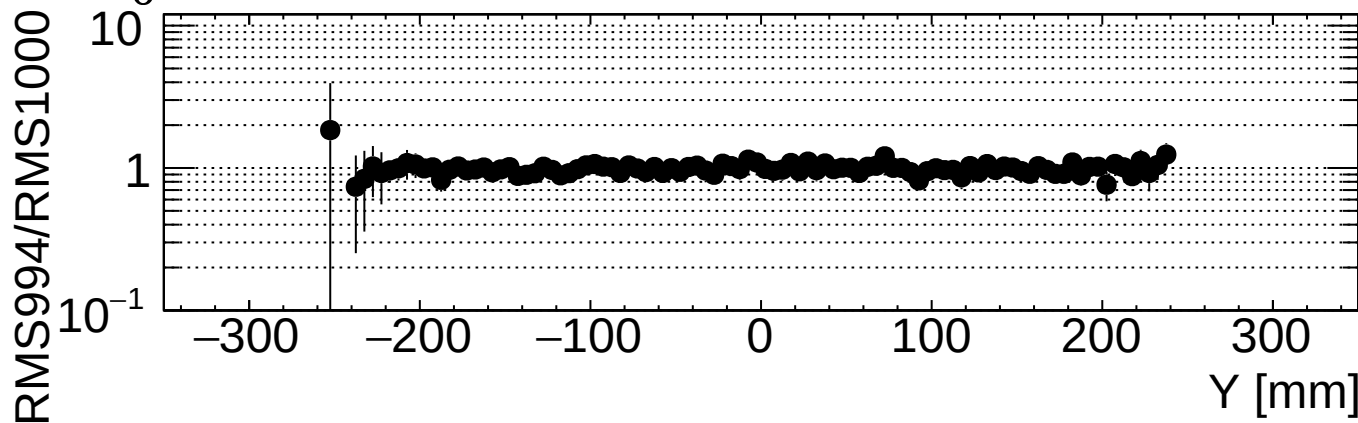
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY

PADMEInternal

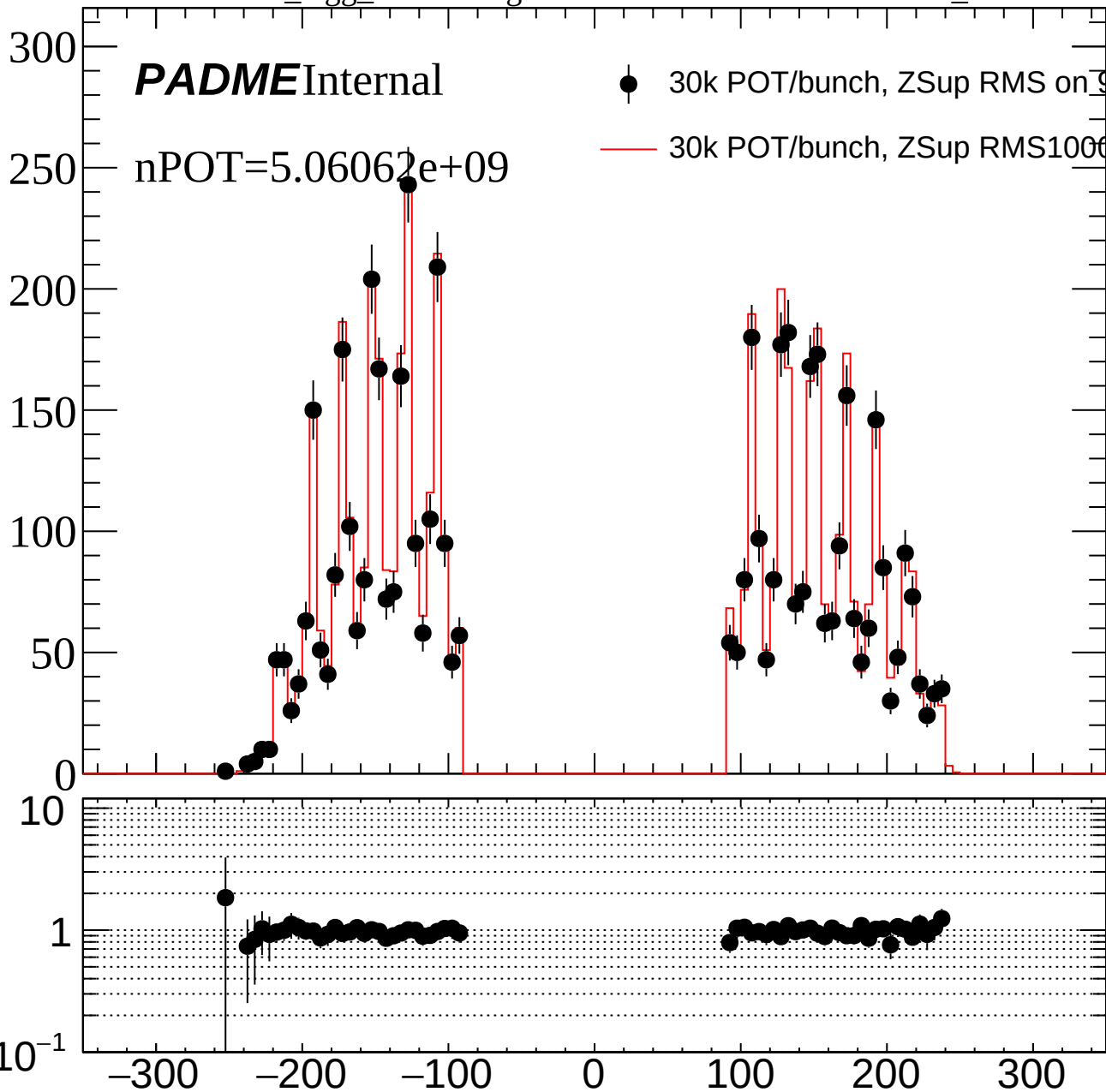
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● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

RMS994/RMS1000

Y [mm]



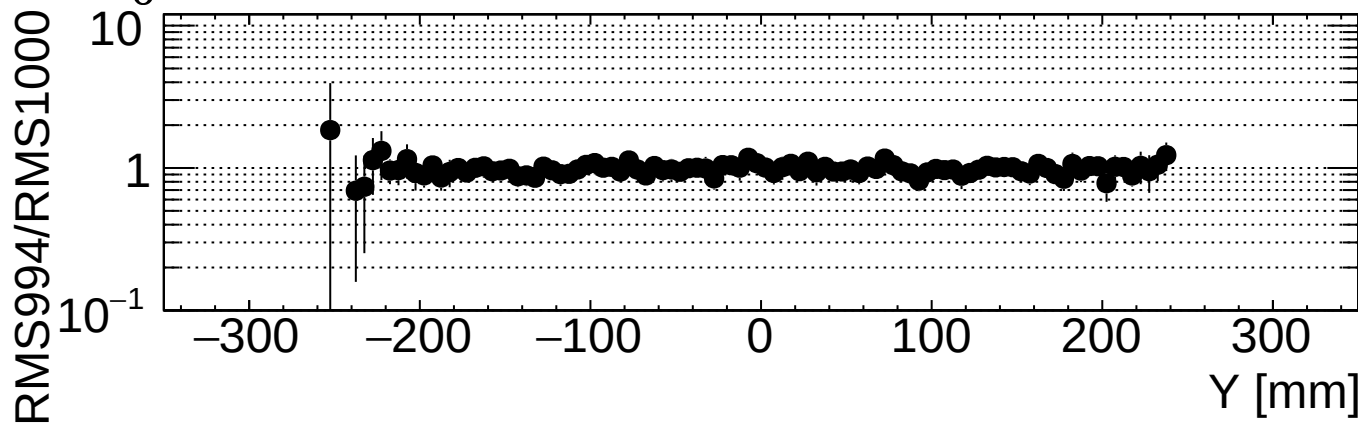
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



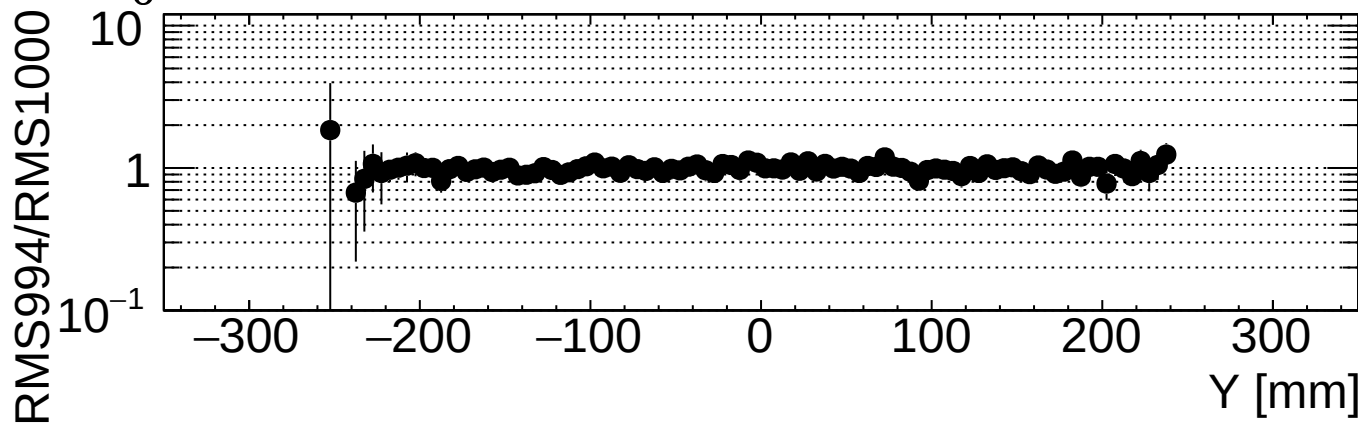
ECAL_Ygg_10ns20DegreeDeltaThetaEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



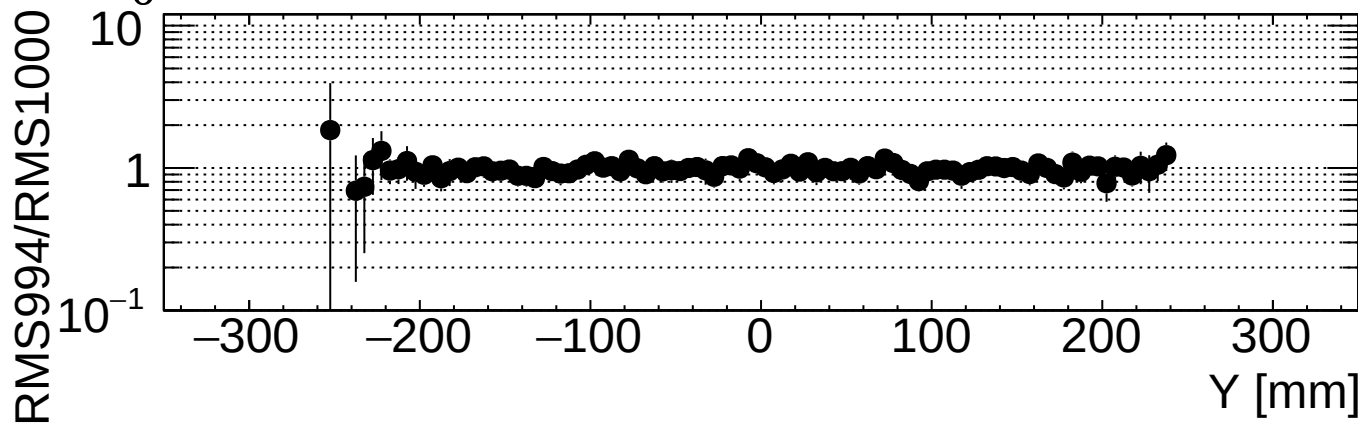
ECAL_Ygg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



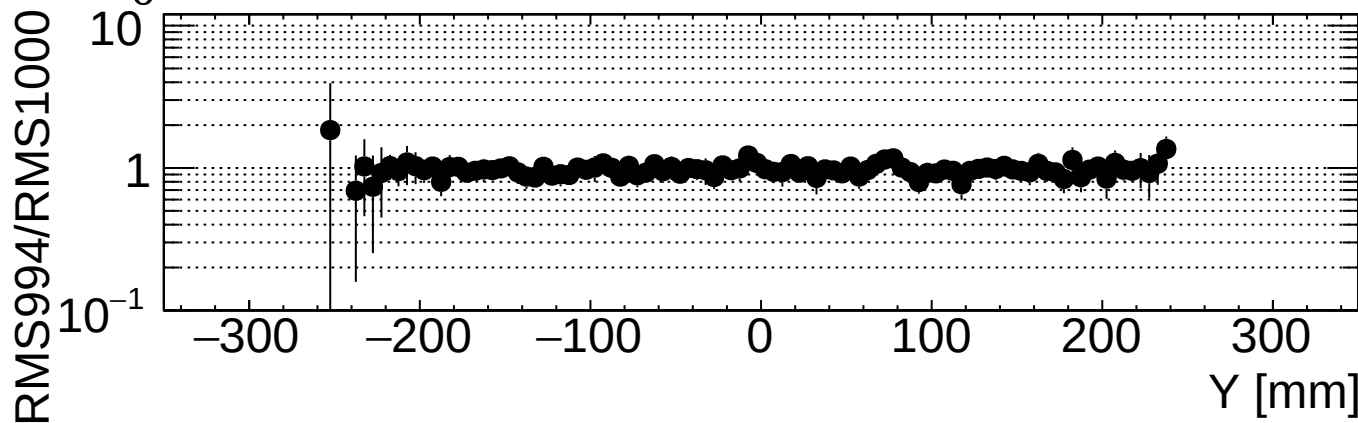
ECAL_Ygg_10ns1CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



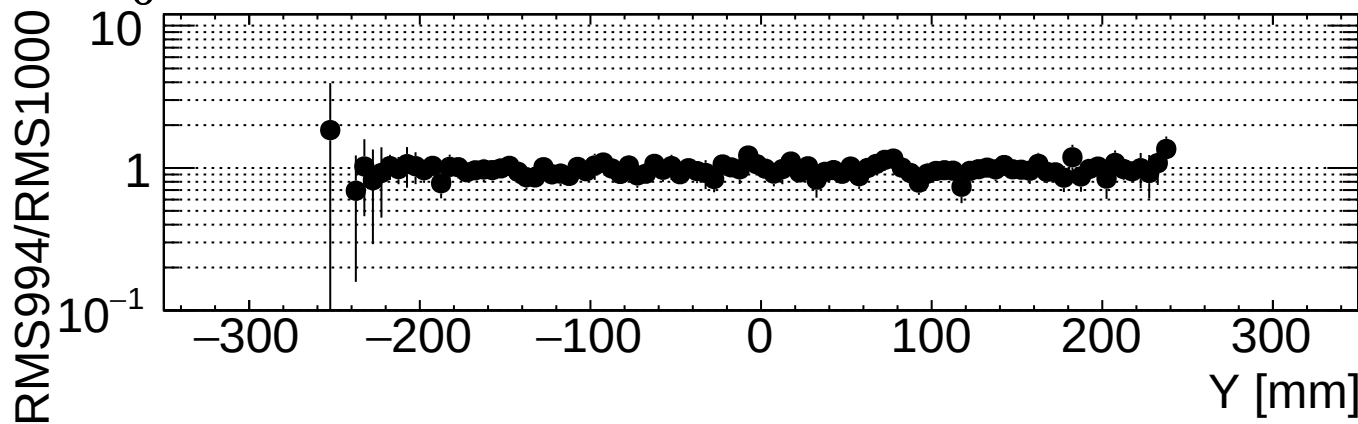
ECAL_Ygg_10ns1CoGUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



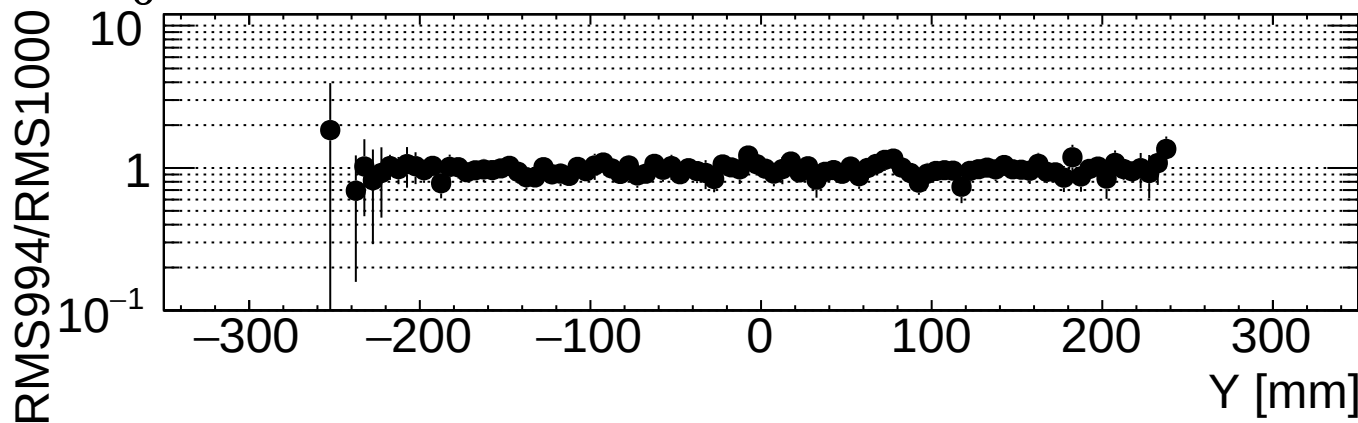
ECAL_Ygg_10ns1CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



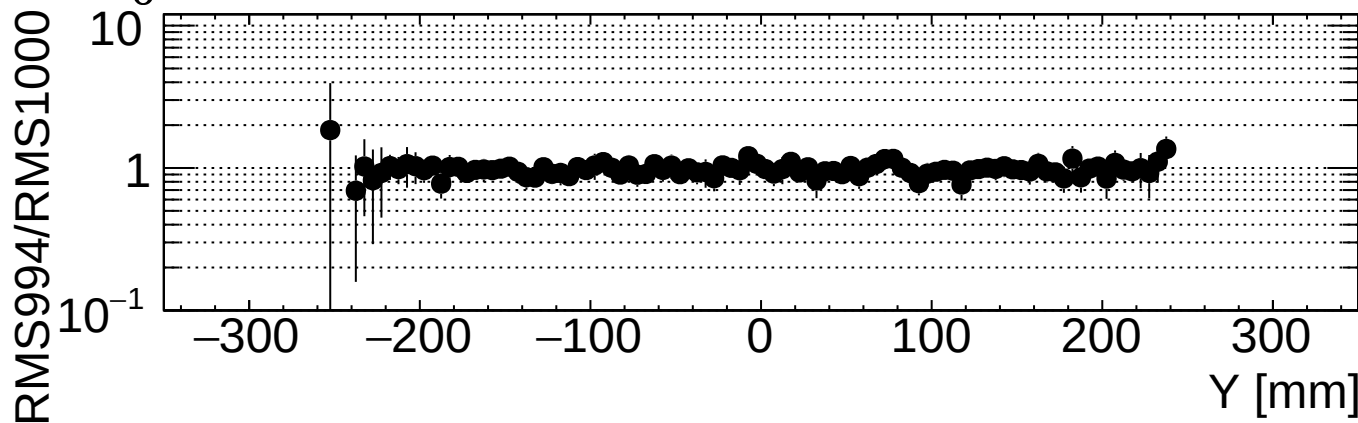
ECAL_Ygg_10ns1CoGEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



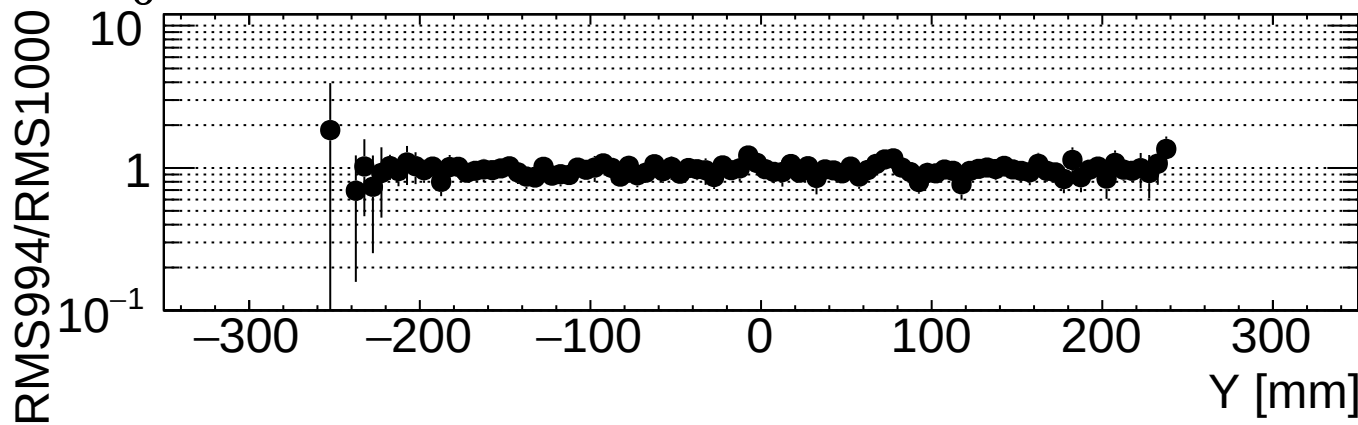
ECAL_Ygg_10ns1CoG20Degree

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



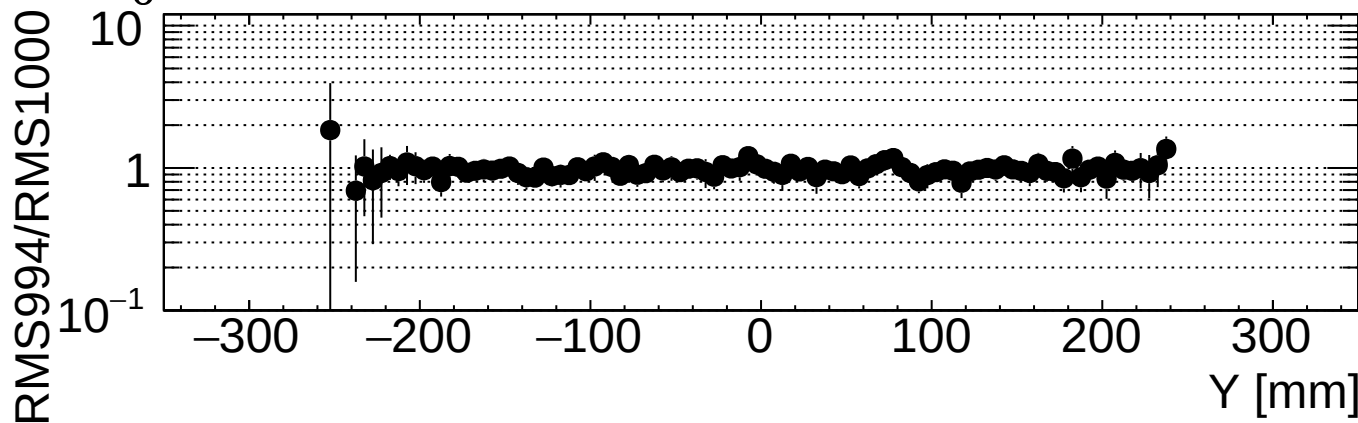
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PADMEInternal

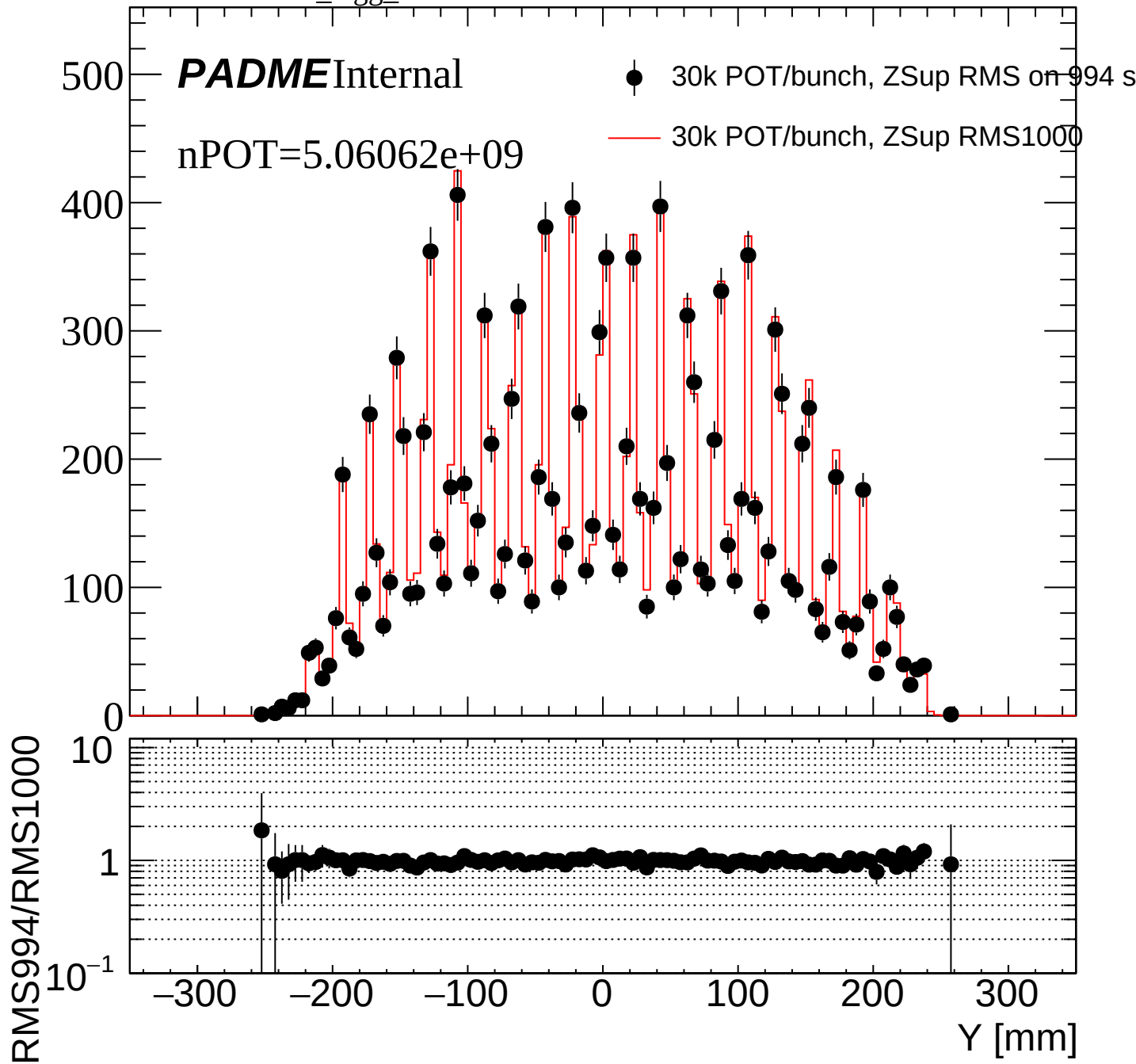
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● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Ygg_10ns3CoG

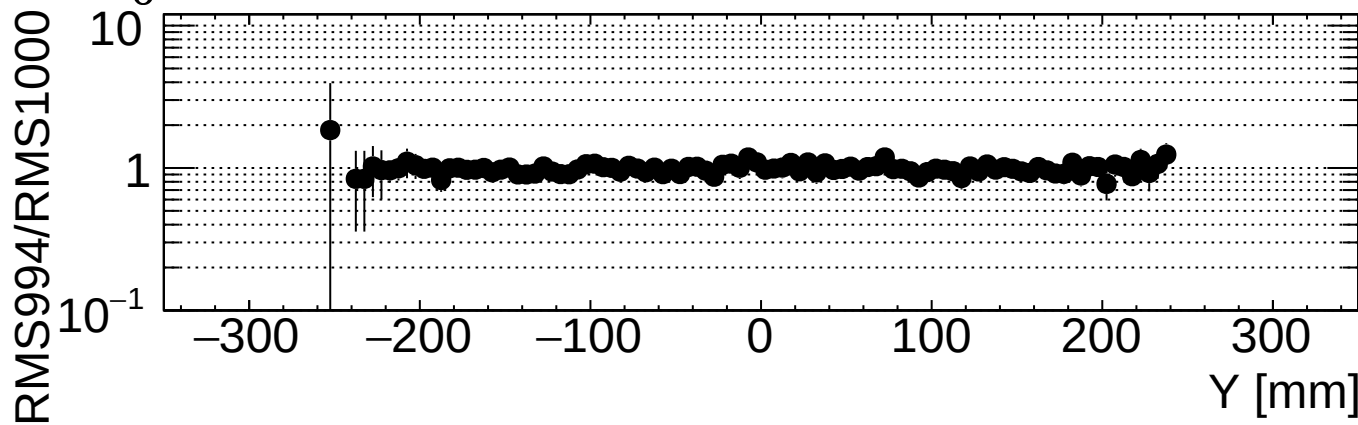


PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



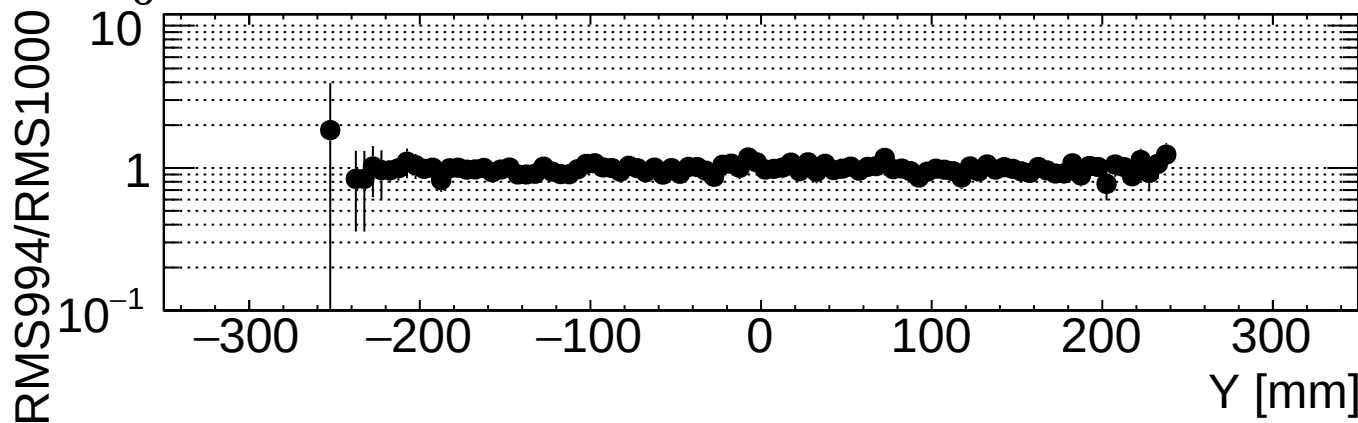
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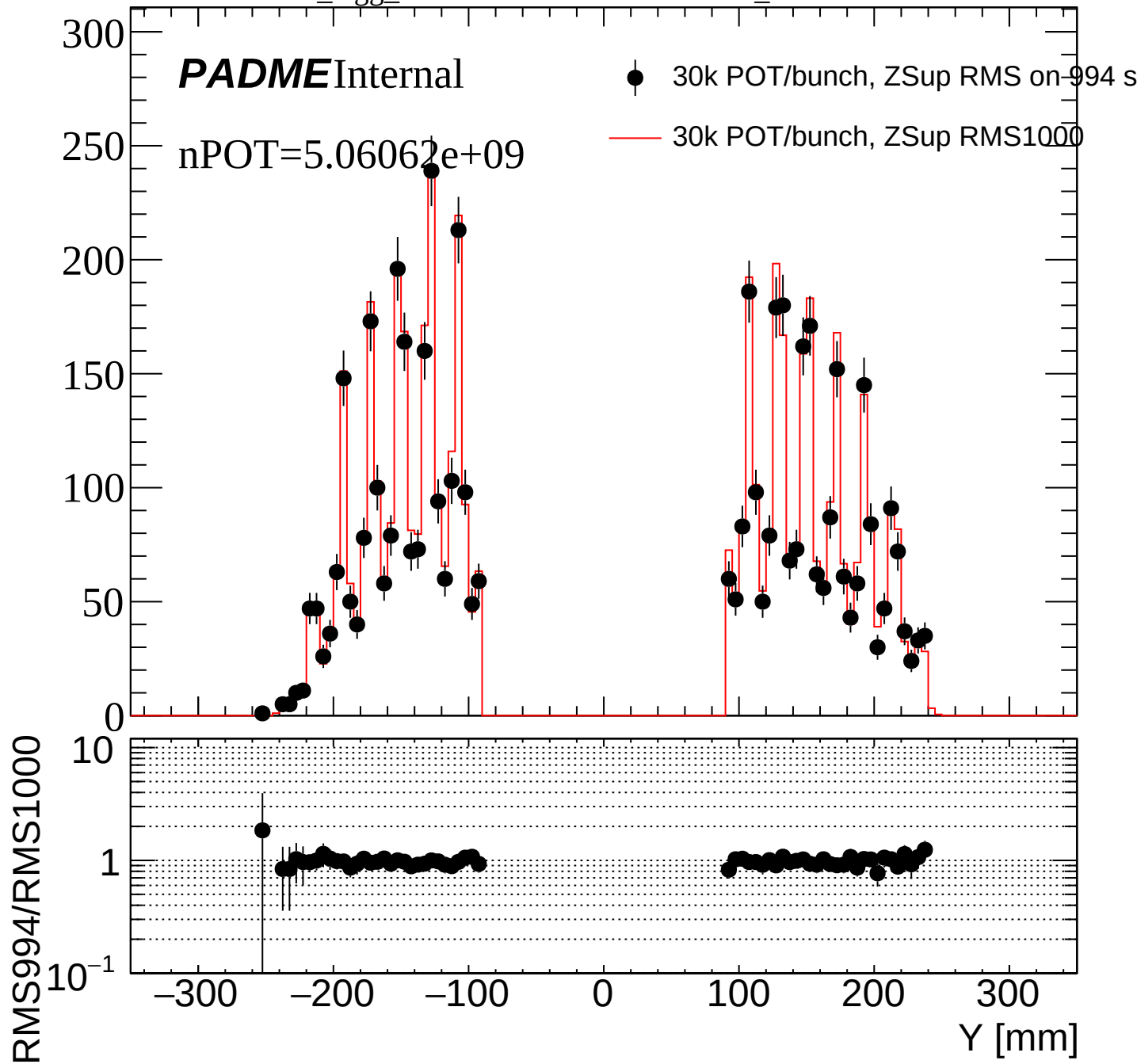
PADMEInternal

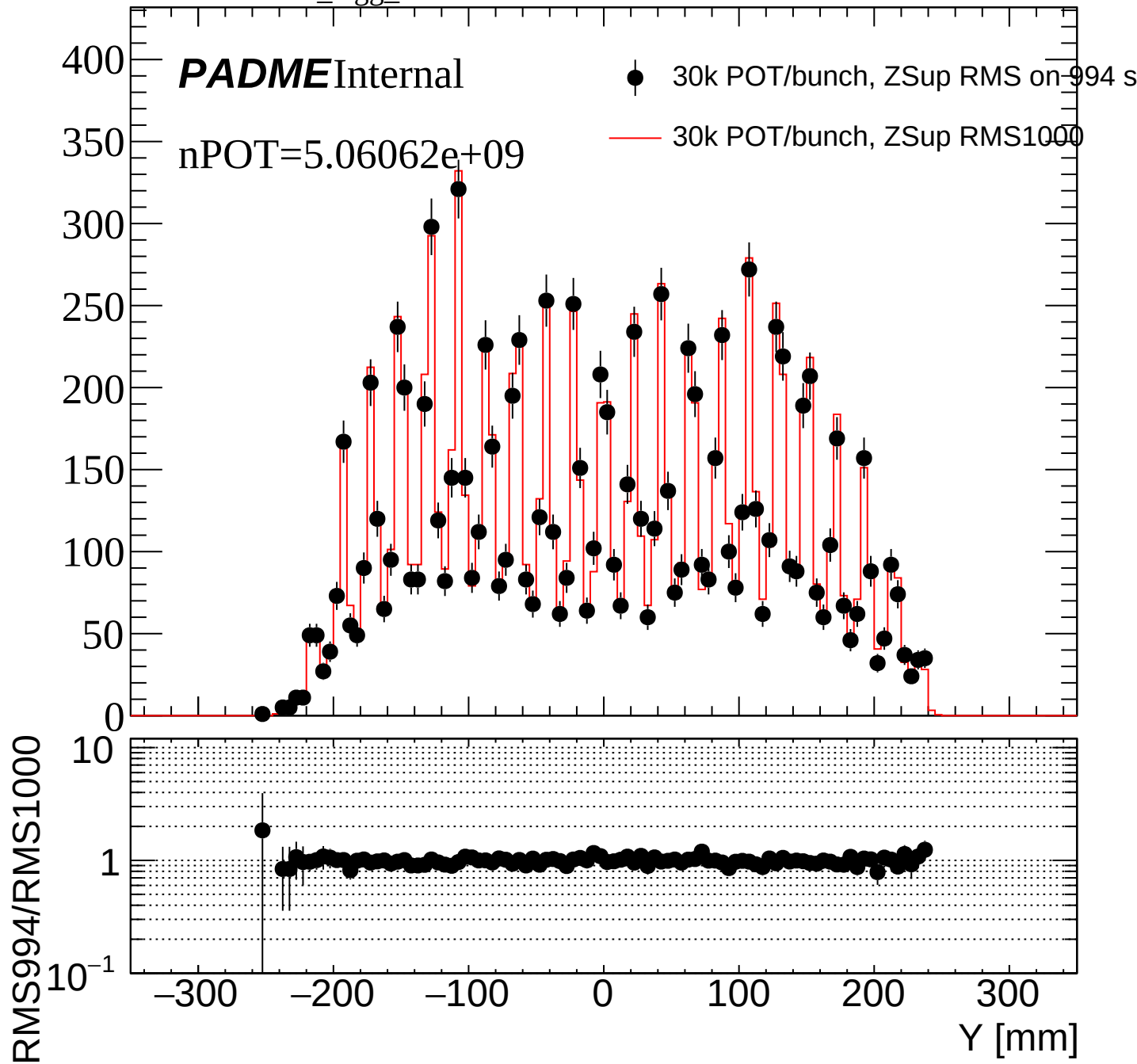
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000







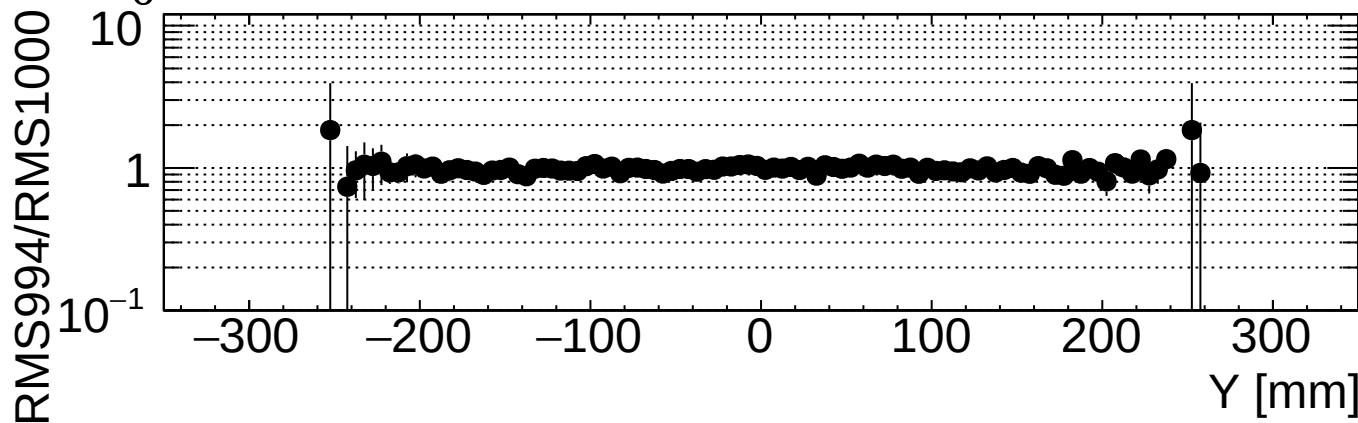
ECAL_Ygg_10ns5CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



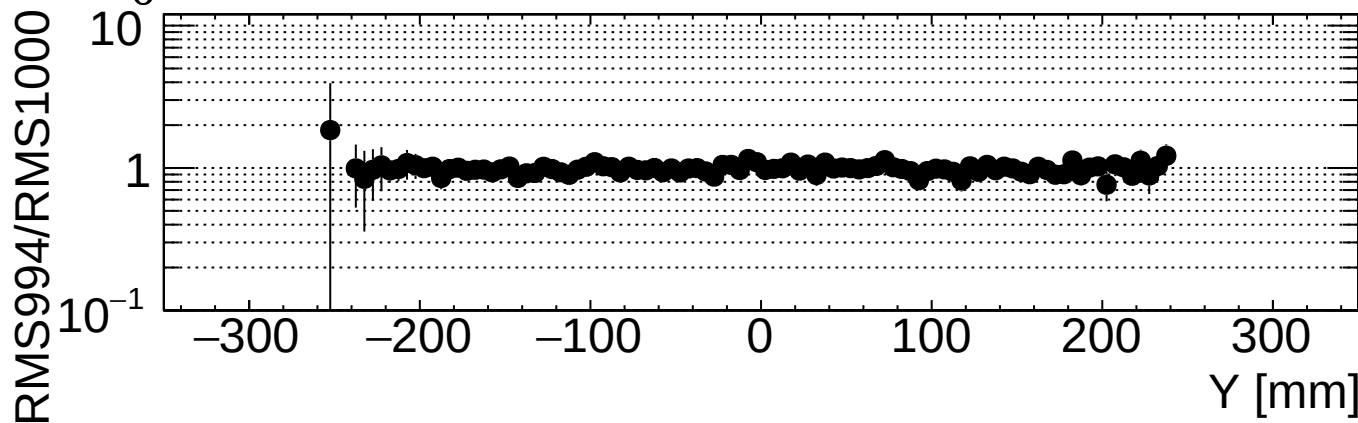
ECAL_Ygg_10ns5CoGUnderPeak

PADMEInternal

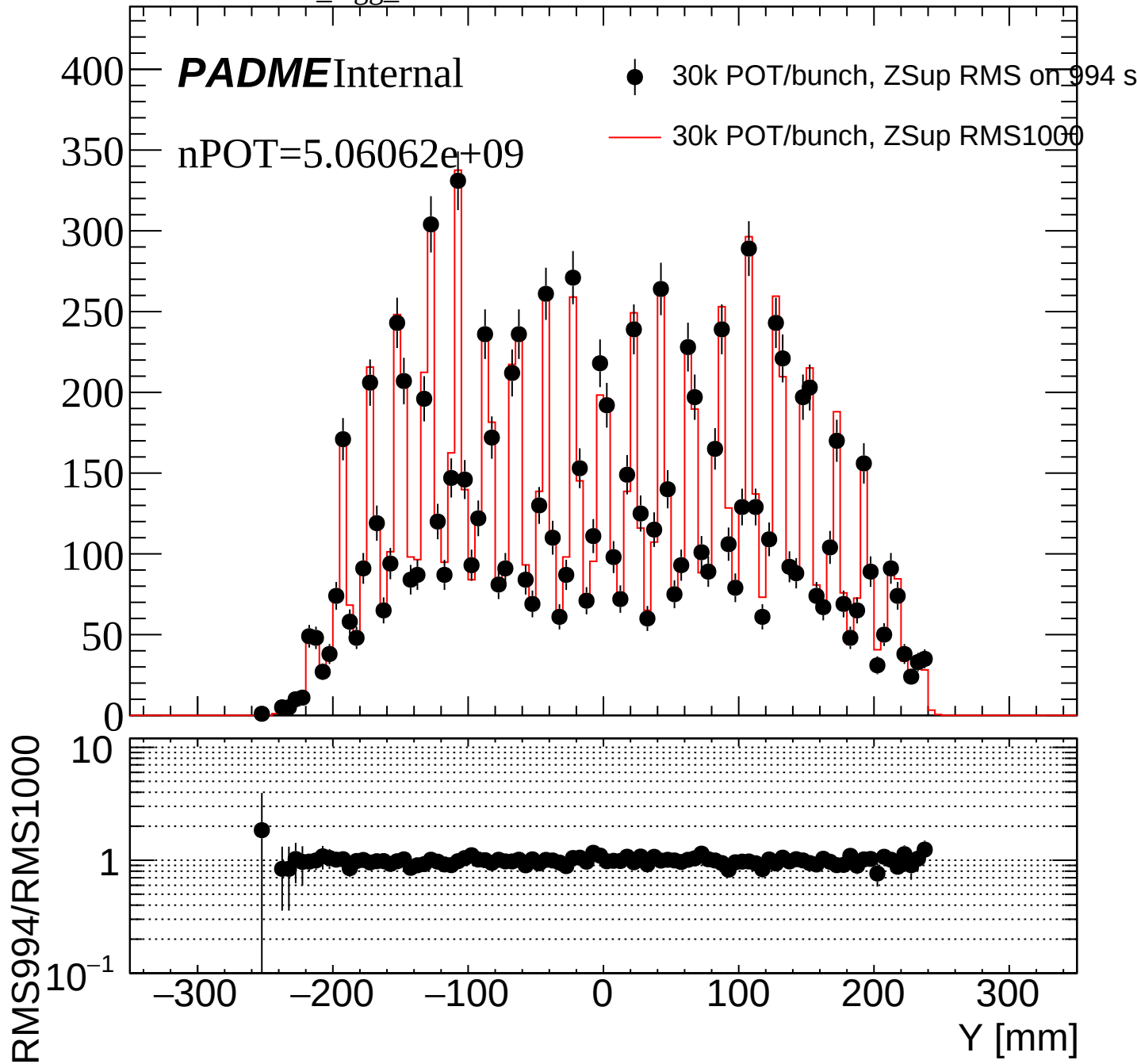
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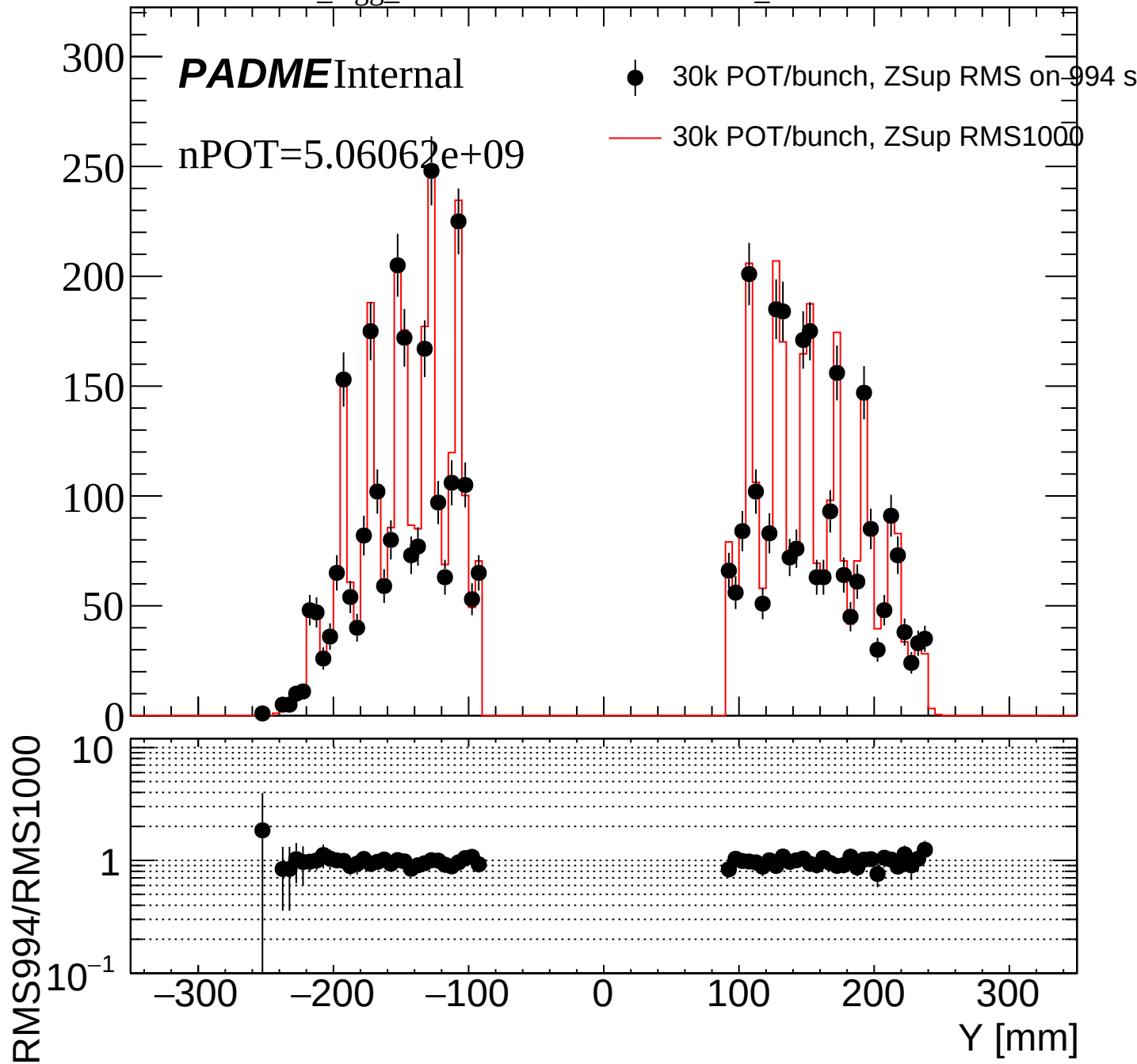
● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Ygg_10ns5CoGUnderPeakEThr90





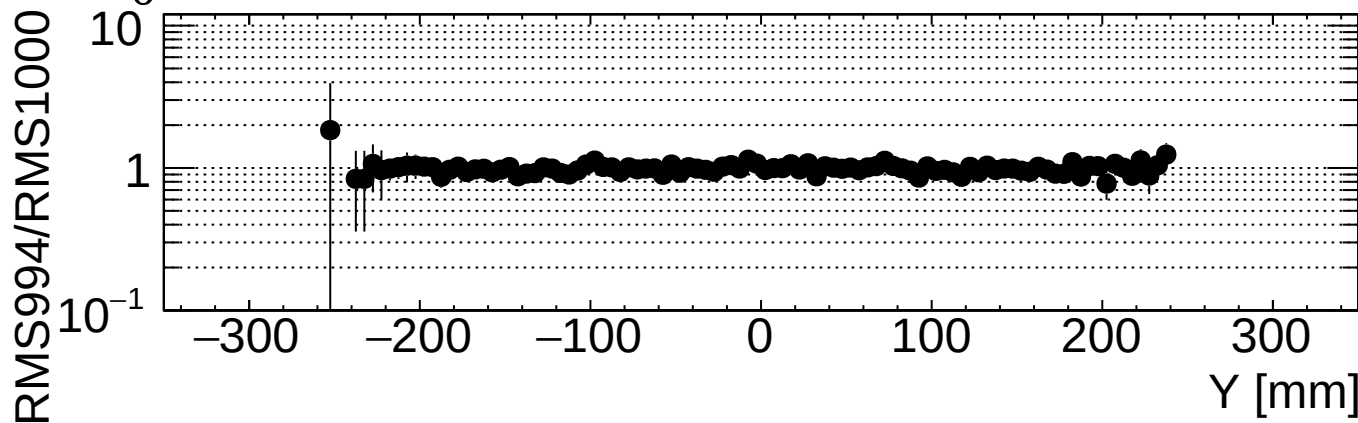
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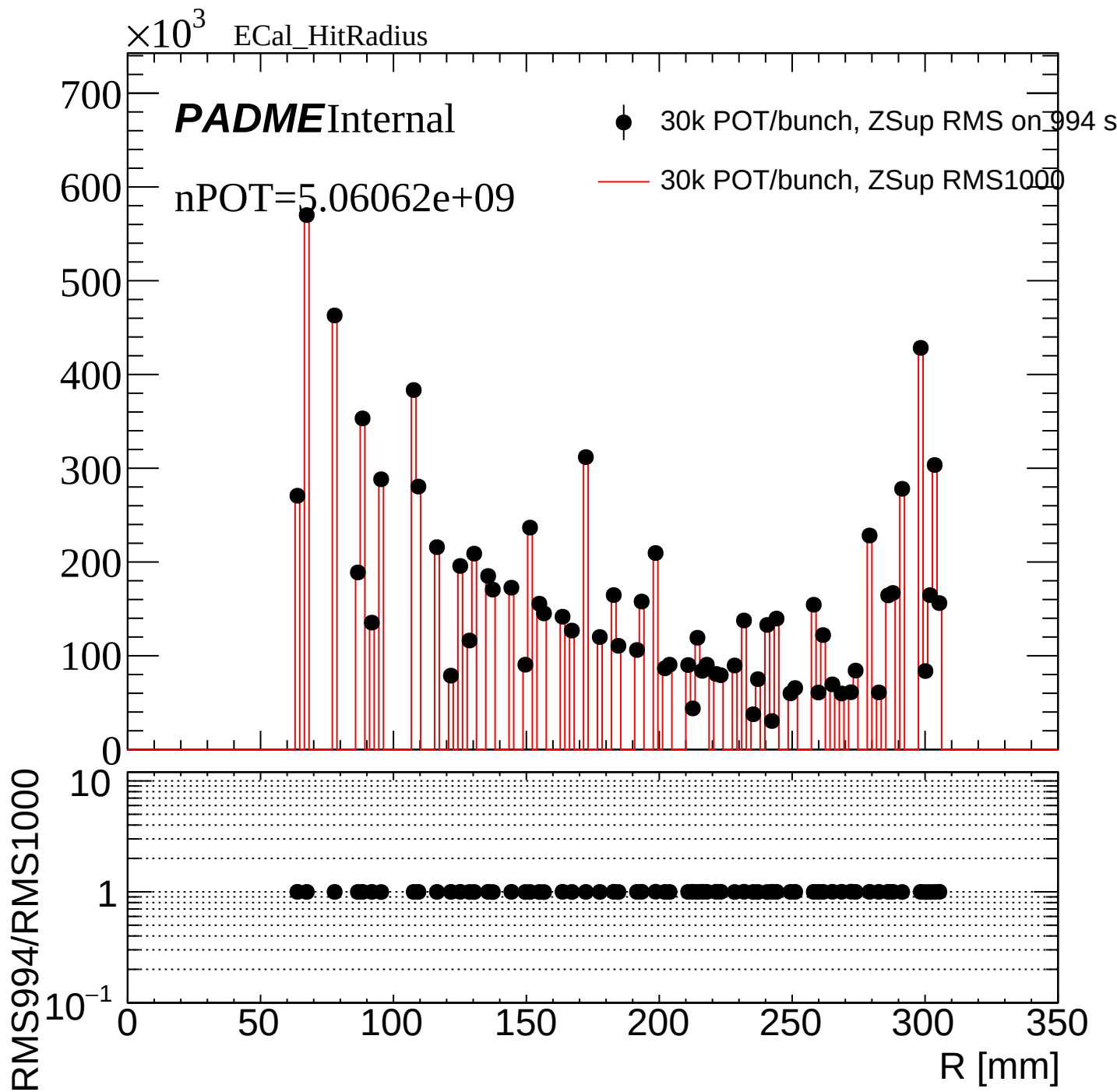
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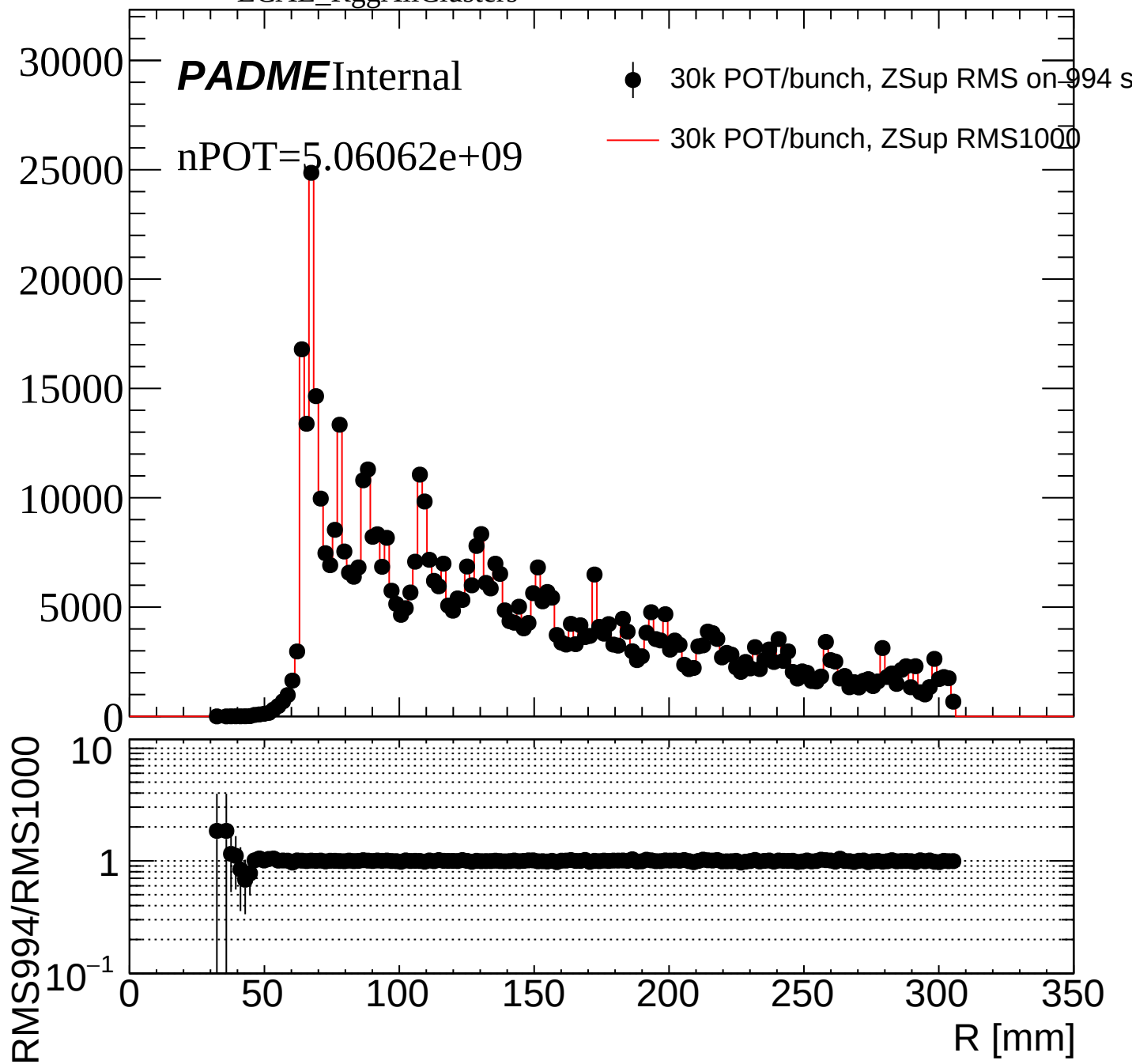
● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





ECAL_RggAllClusters



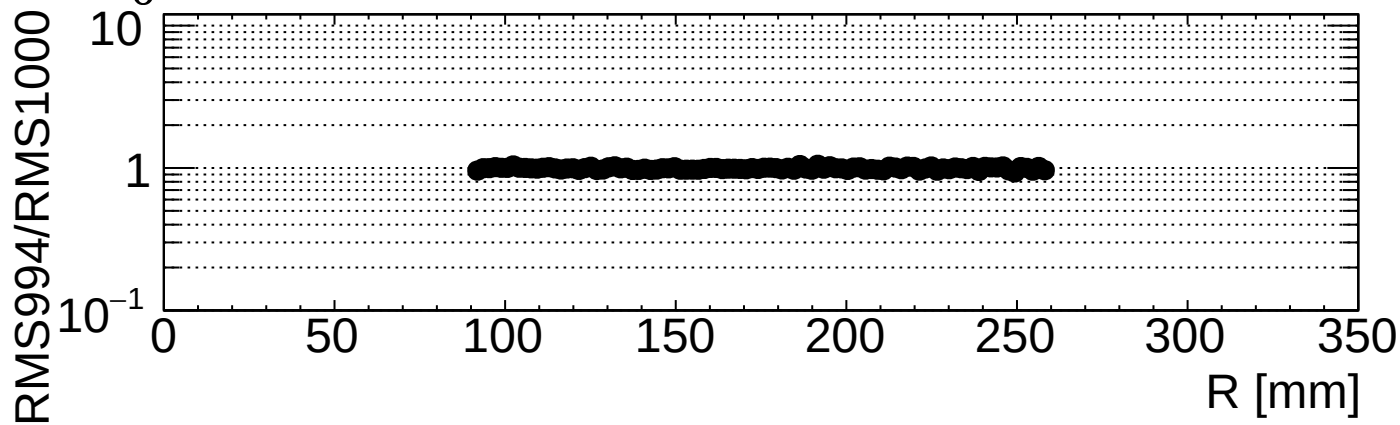
ECAL_Rgg_10ns

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

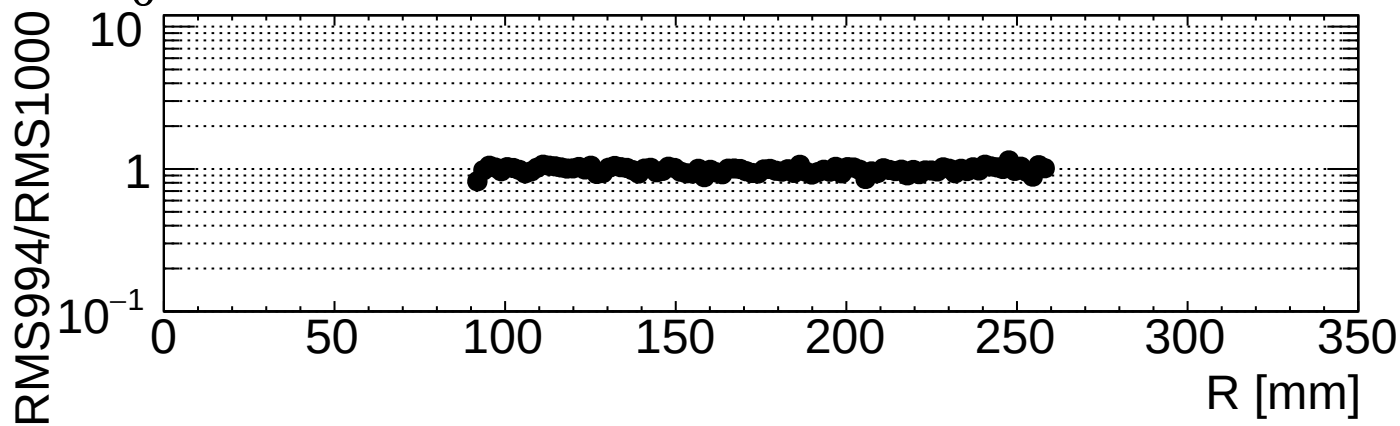


PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



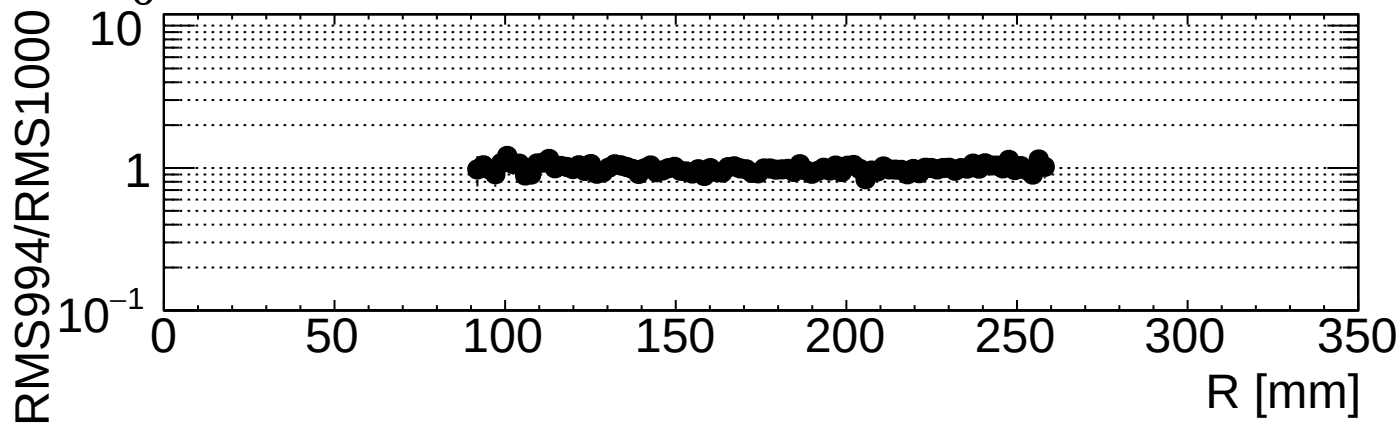
ECAL_Rgg_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



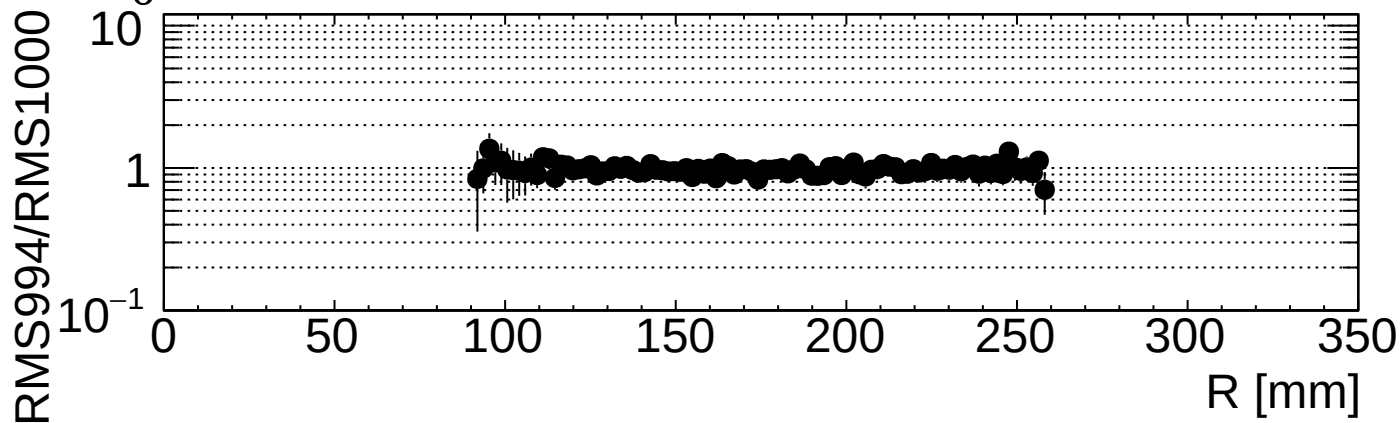
ECAL_Rgg_10ns1CoG

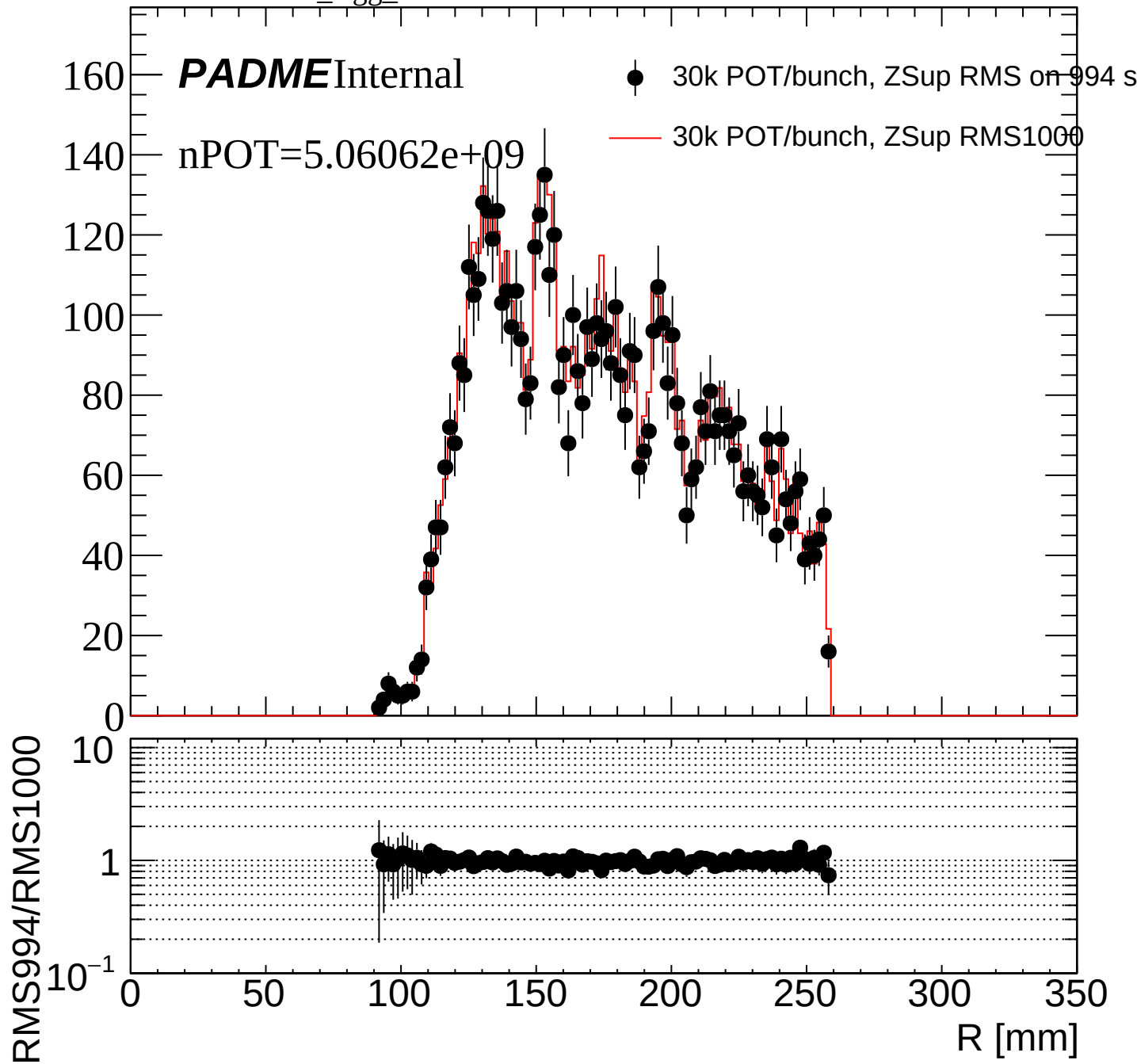
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





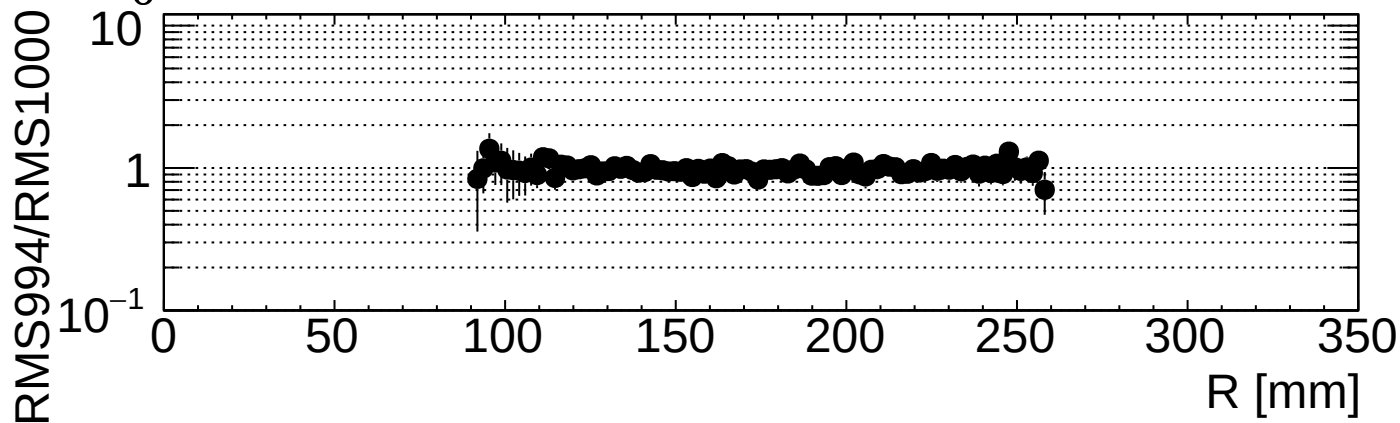
ECAL_Rgg_10ns1CoG20Degree

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



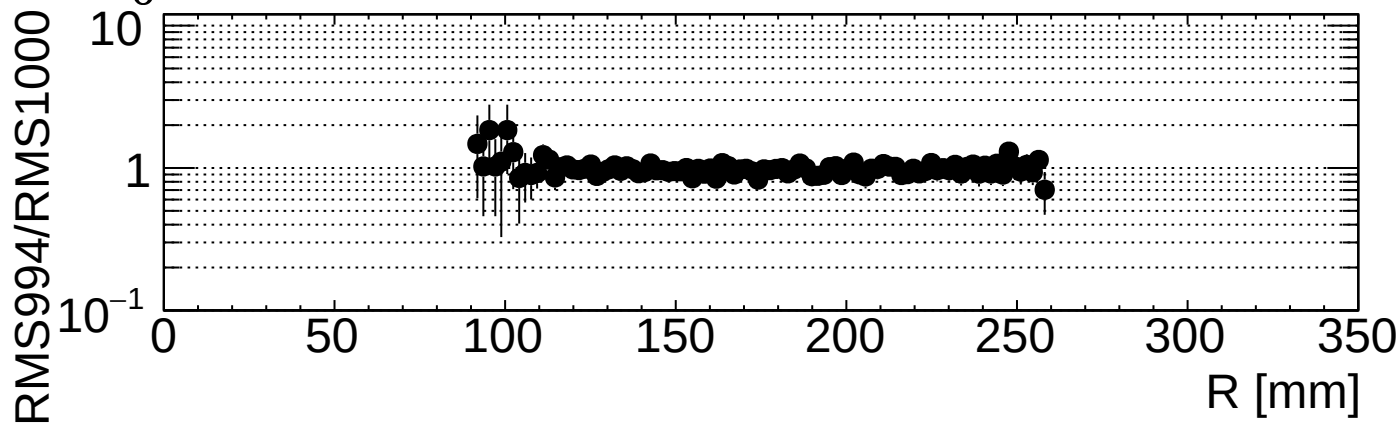
ECAL_Rgg_10ns1CoG20DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



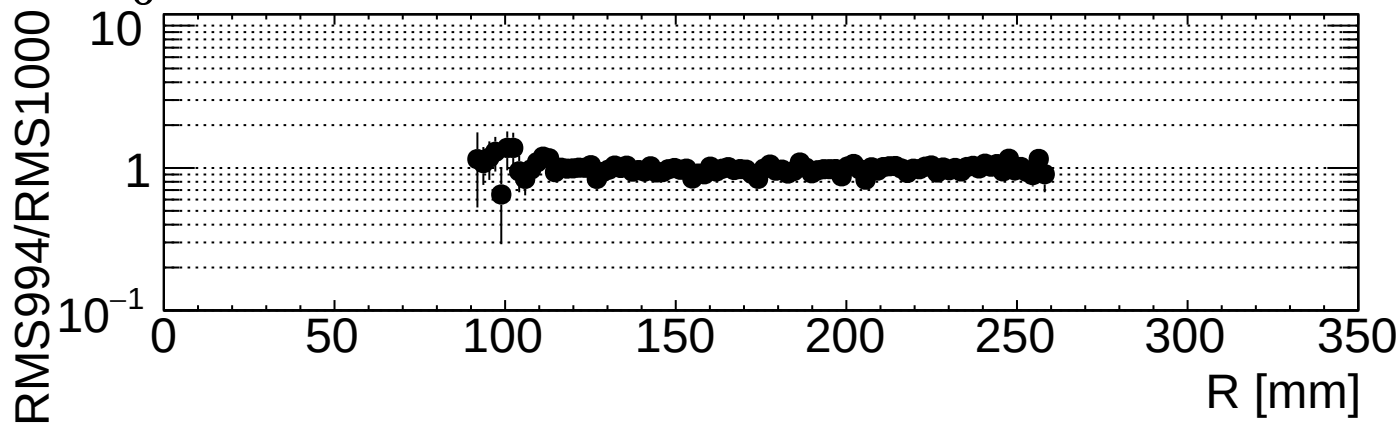
ECAL_Rgg_10ns5DegreeDeltaTheta

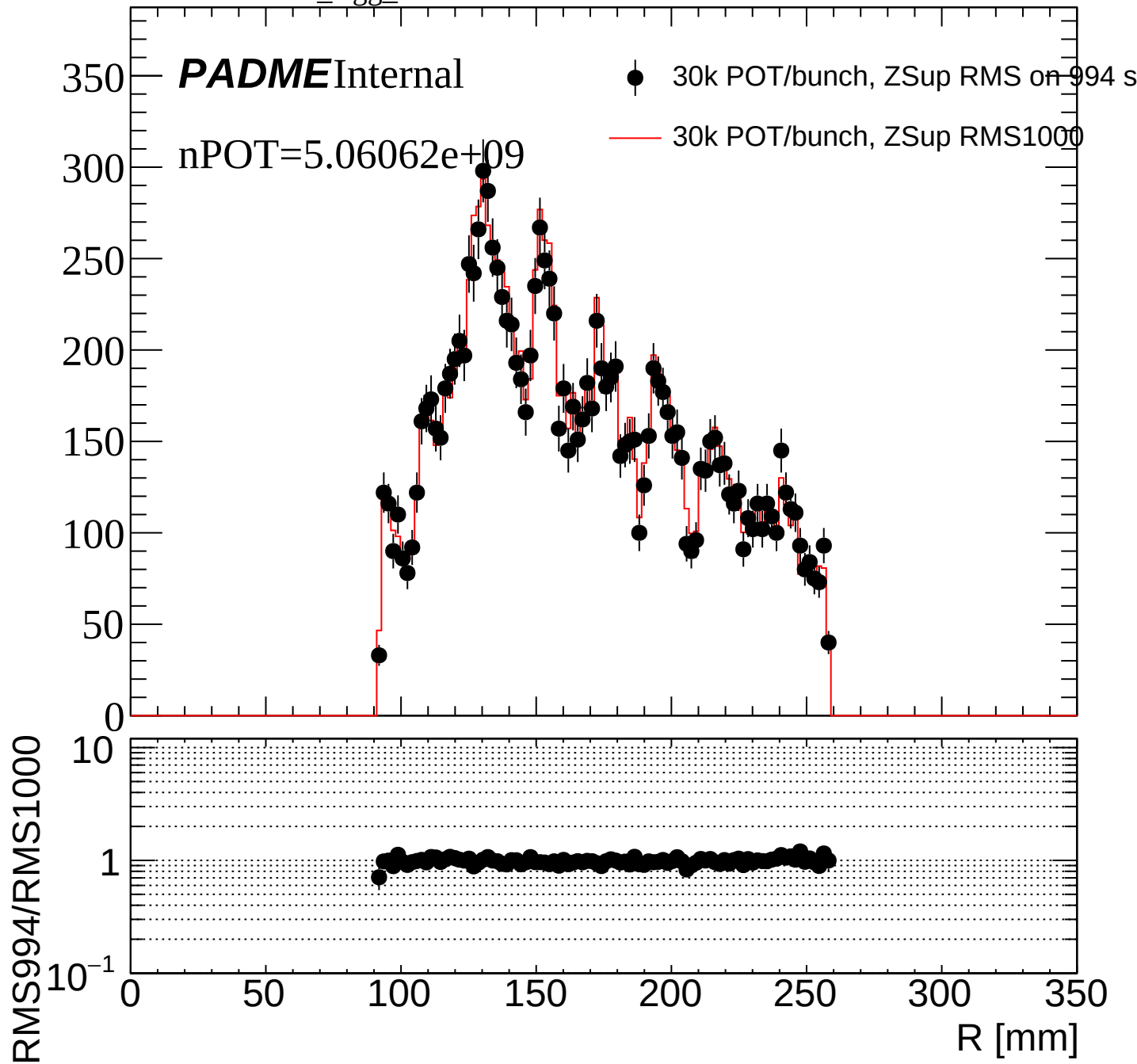
PADMEInternal

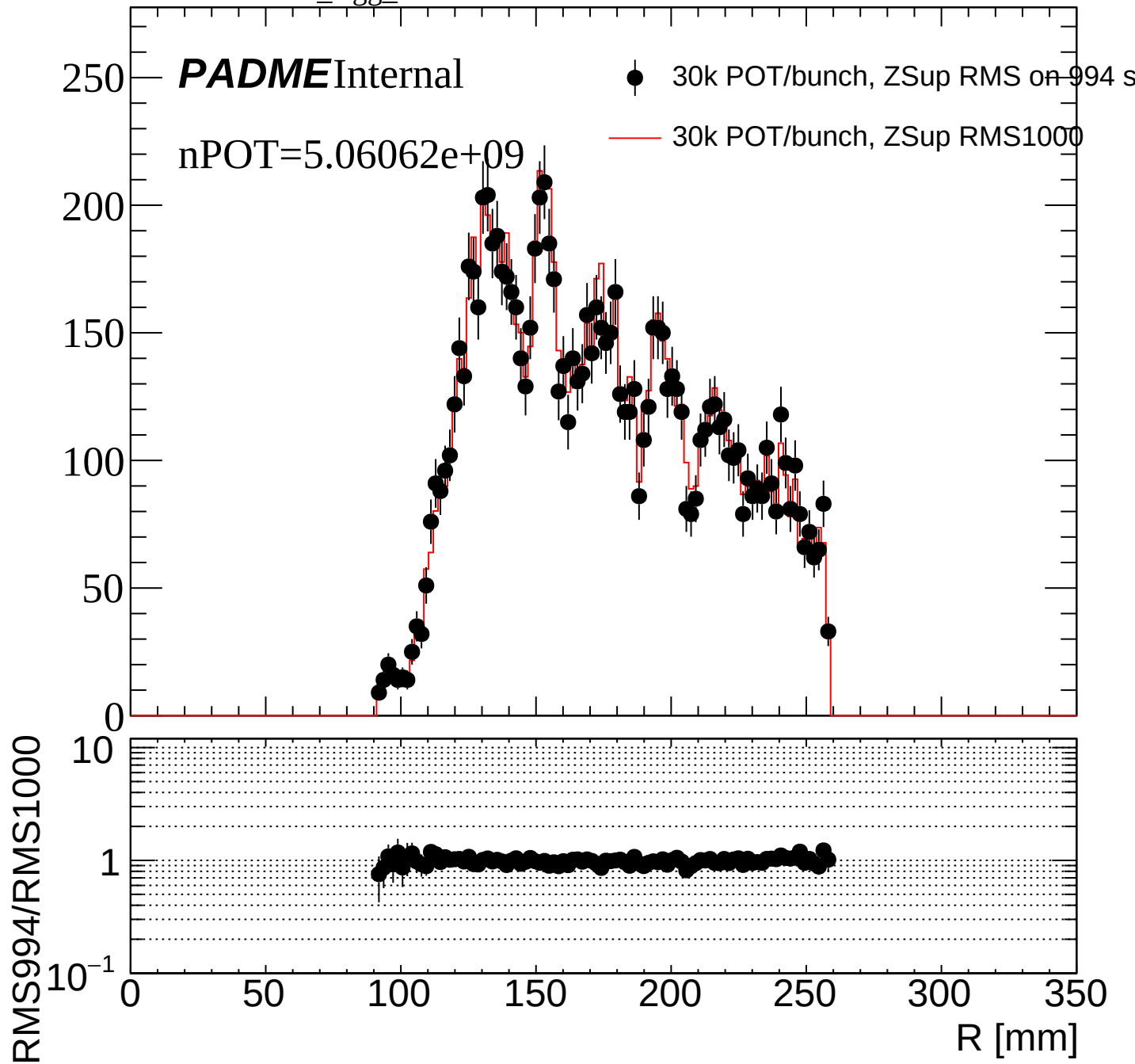
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

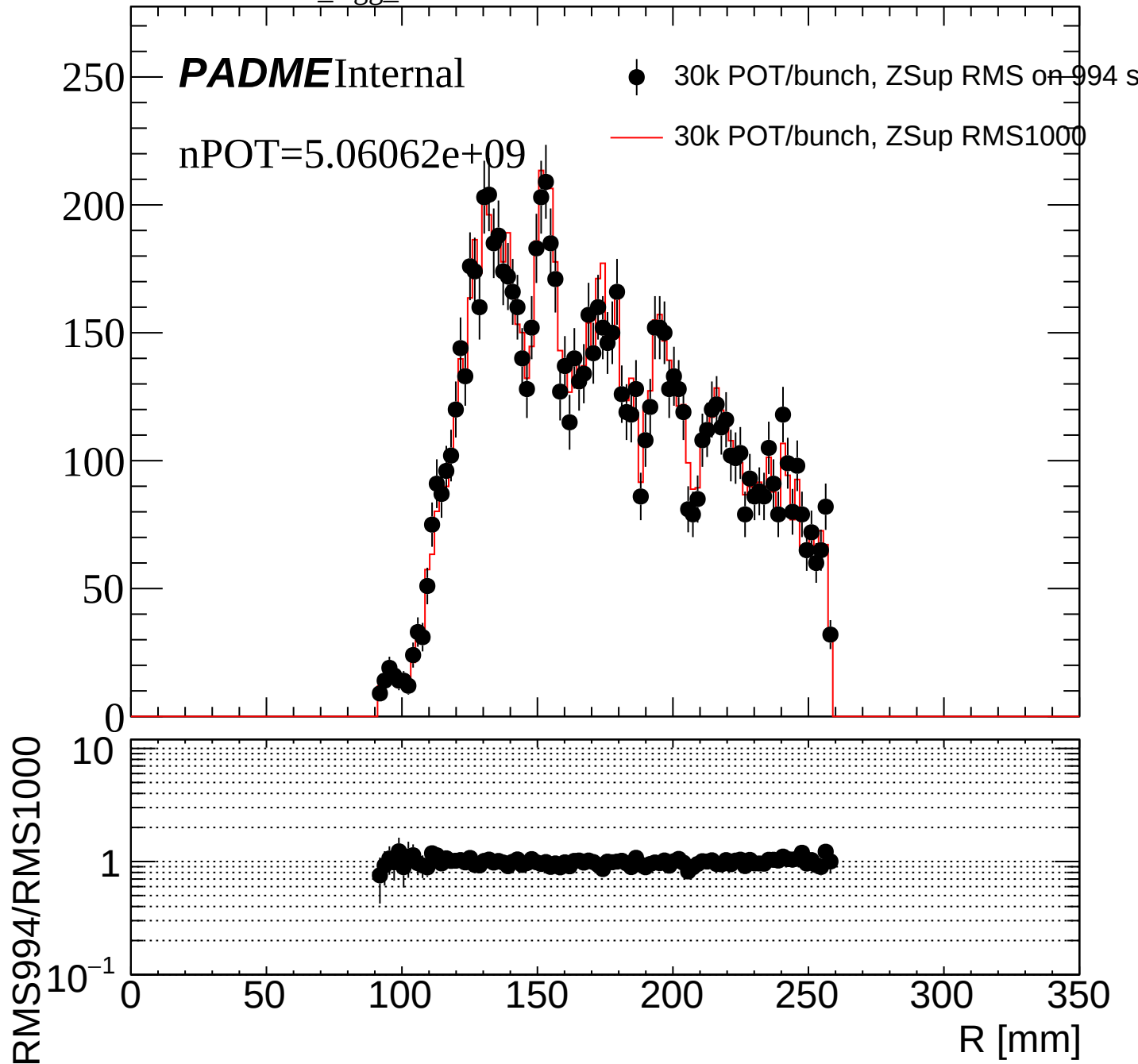
— 30k POT/bunch, ZSup RMS1000

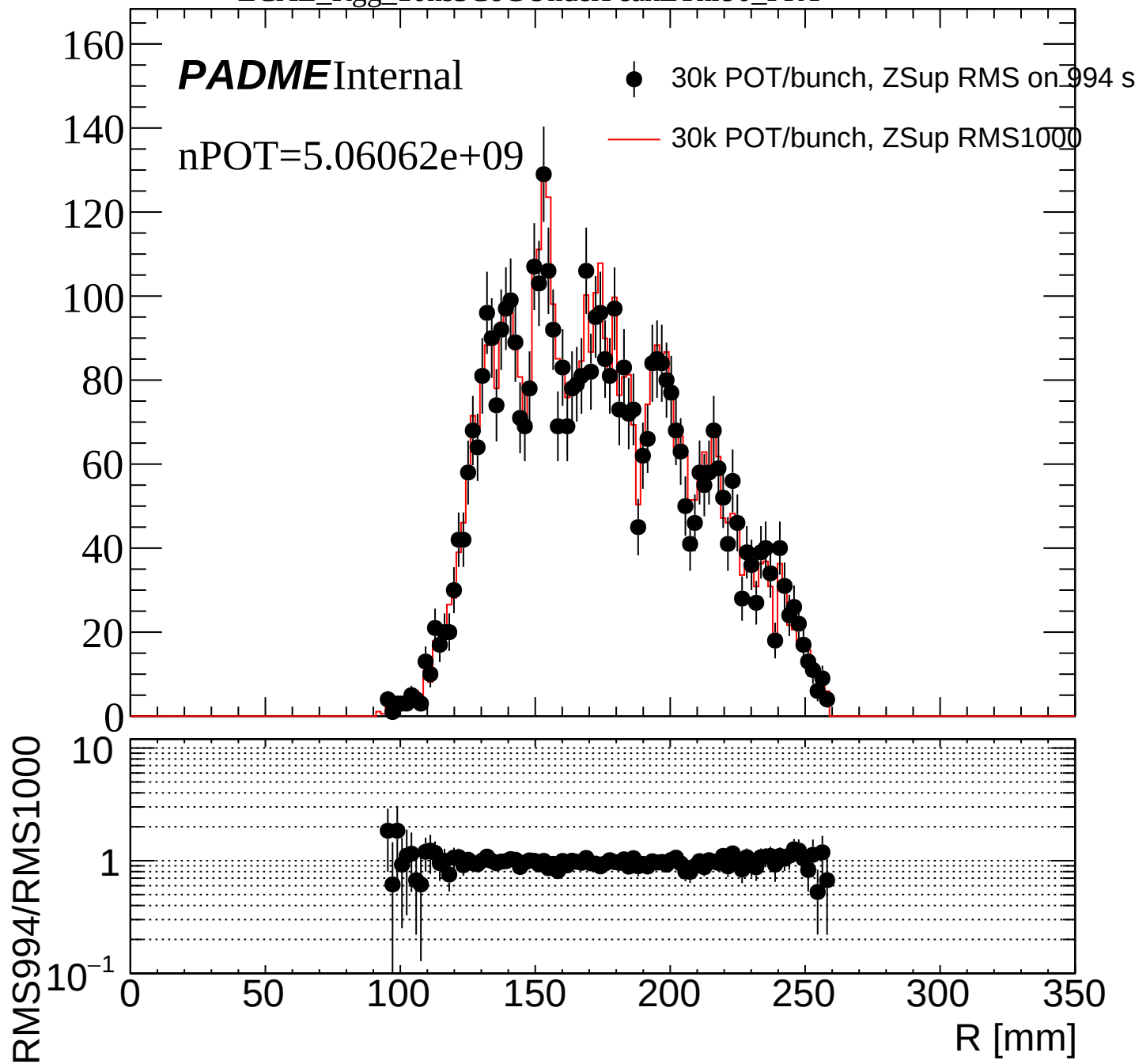






ECAL_Rgg_10ns3CoGUnderPeakEThr90



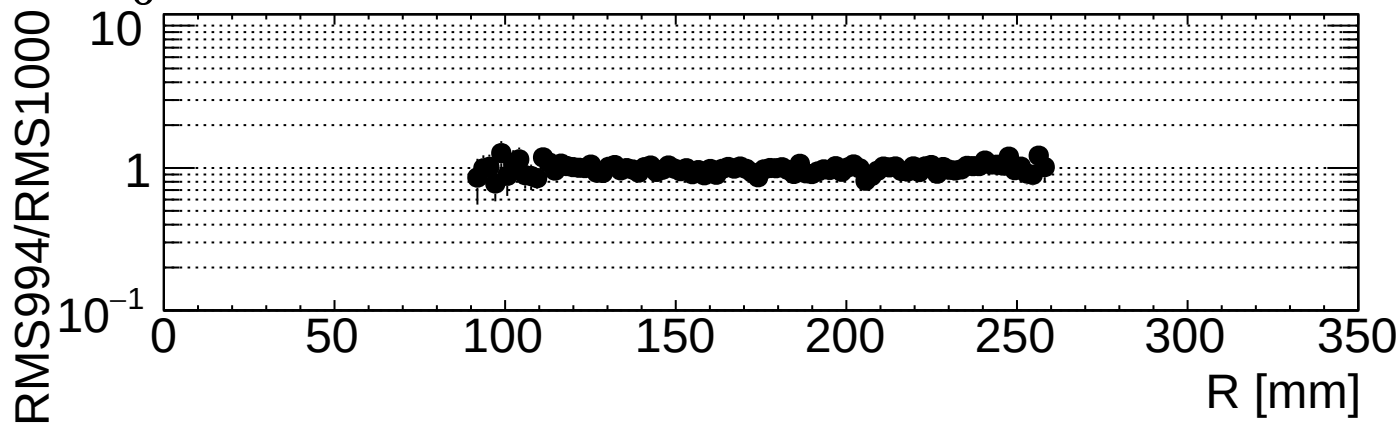


PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



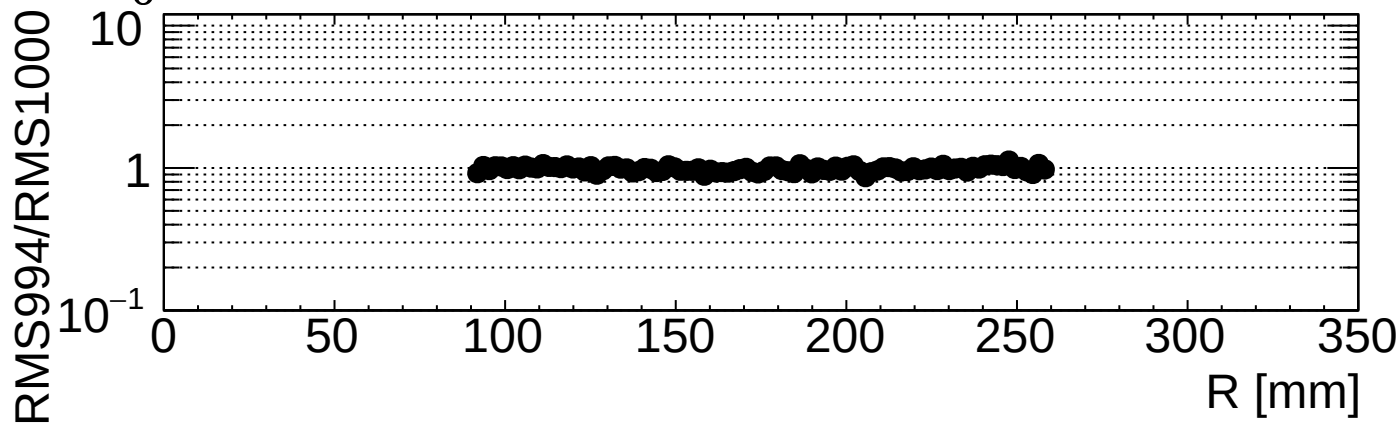
ECAL_Rgg_10ns5CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



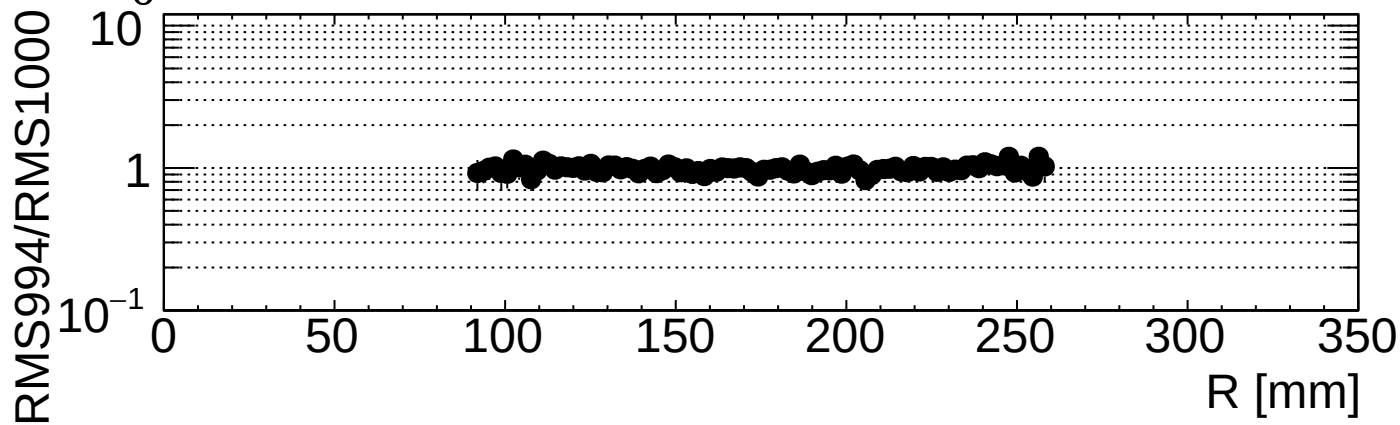
ECAL_Rgg_10ns5CoGUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



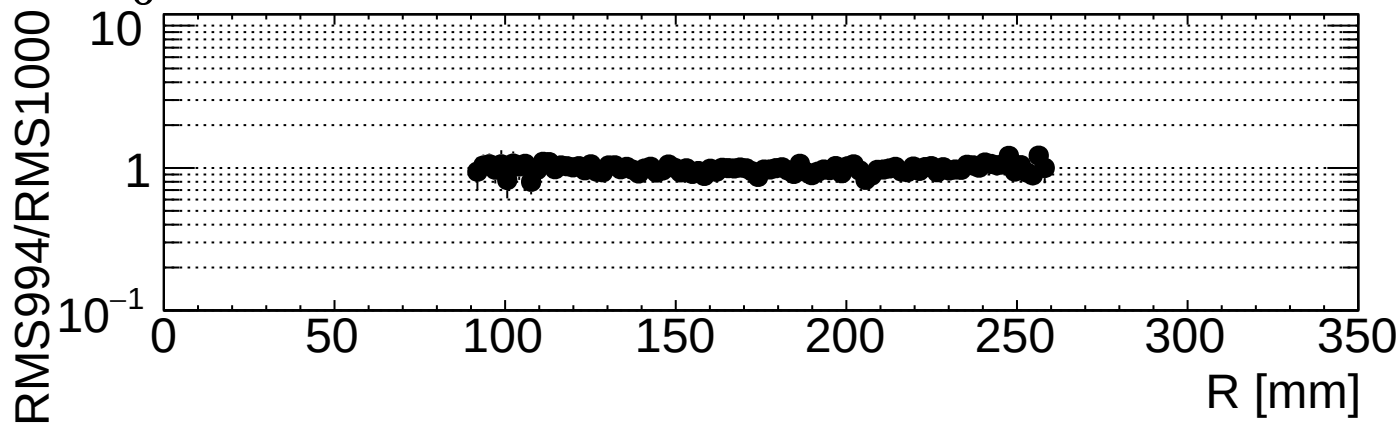
ECAL_Rgg_10ns5CoGUnderPeakEThr90

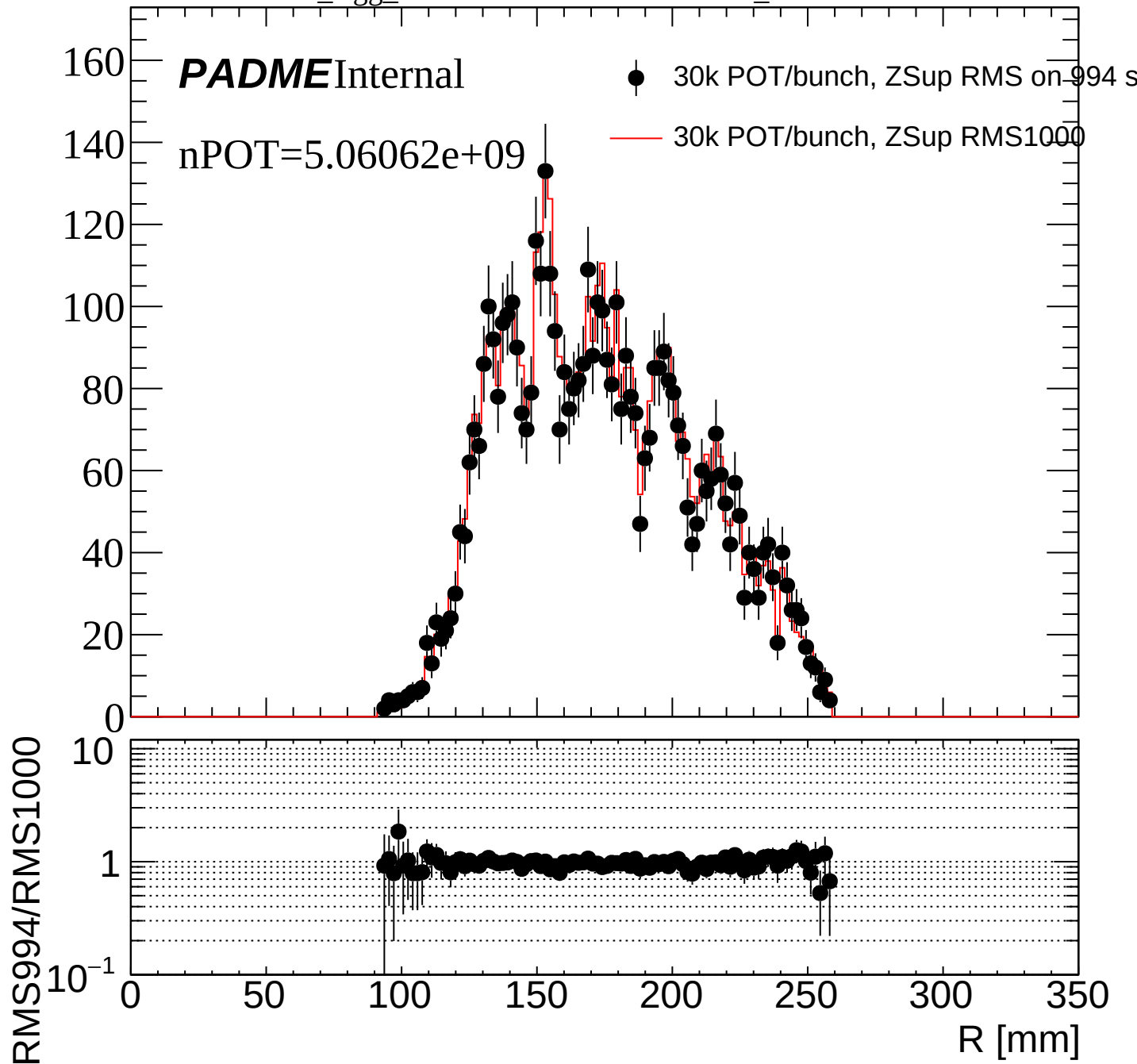
PADMEInternal

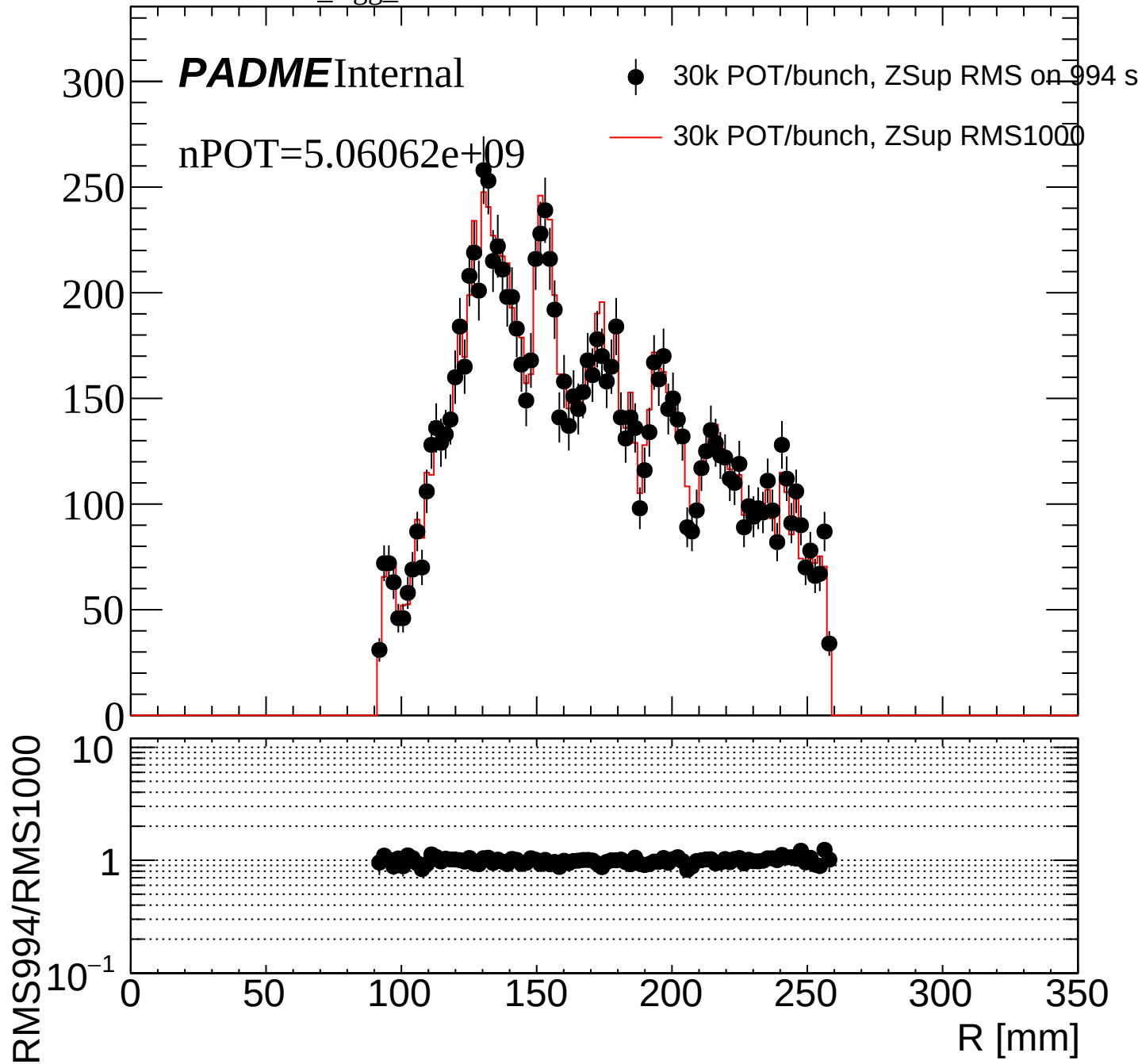
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000







ECAL_Rgg_10nsUnderPeak

600

PADMEInternal

● 30k POT/bunch, ZSup RMS on 994 s

500

nPOT=5.06062e+09

— 30k POT/bunch, ZSup RMS1000

400

300

200

100

0

RMS994/RMS1000

10

1

10⁻¹

0

50

100

150

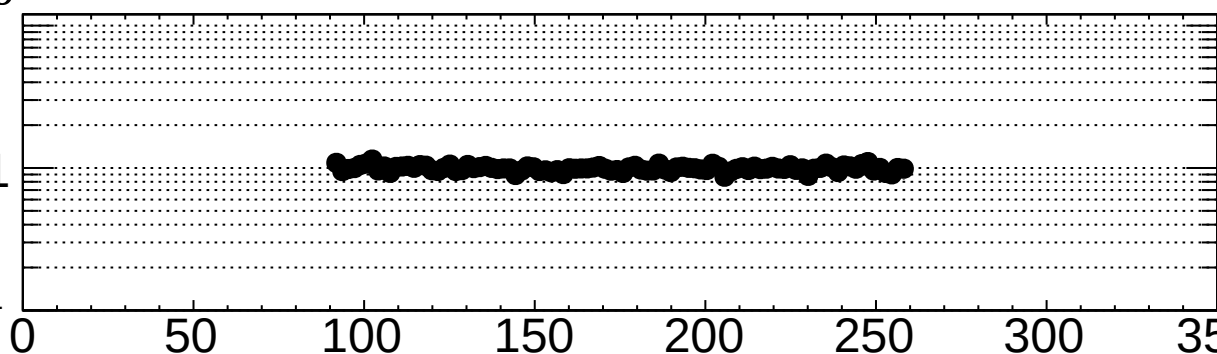
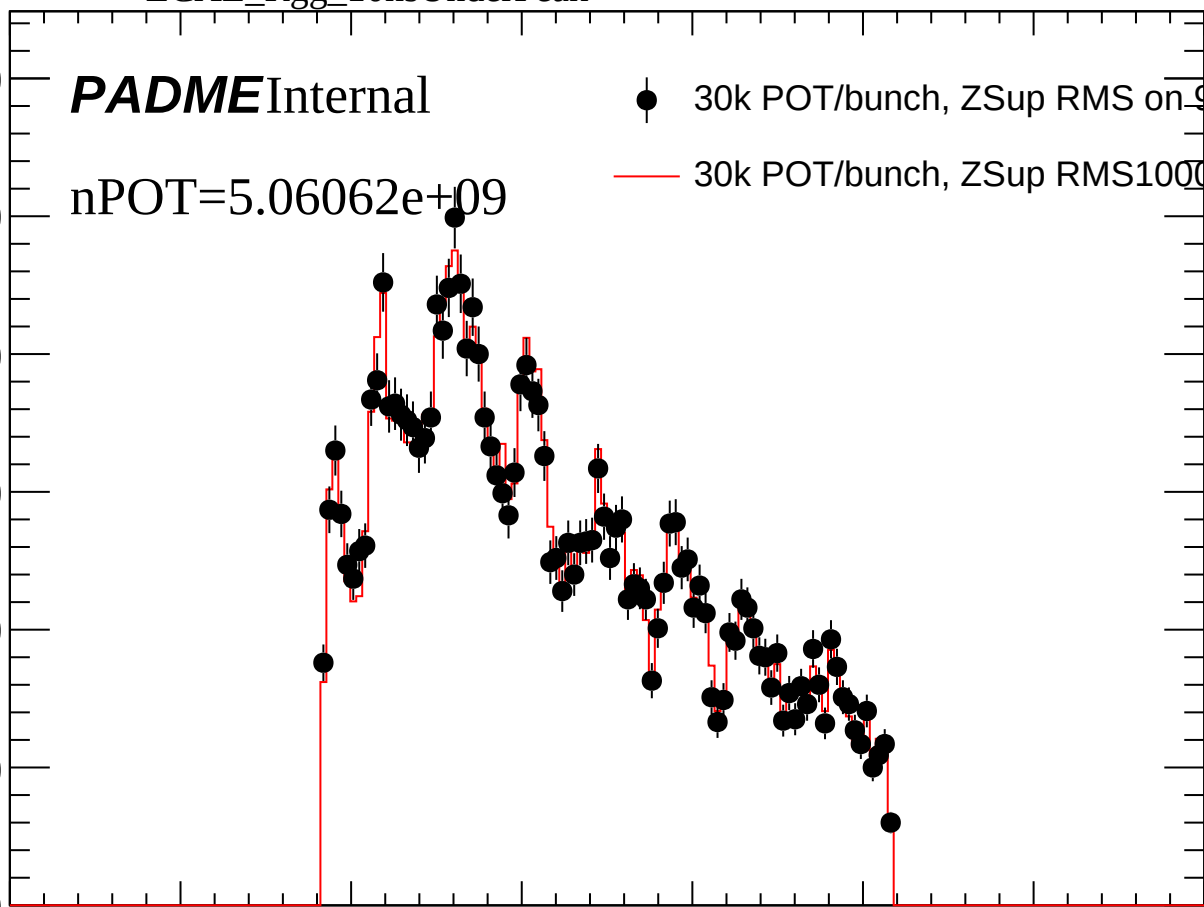
200

250

300

350

R [mm]



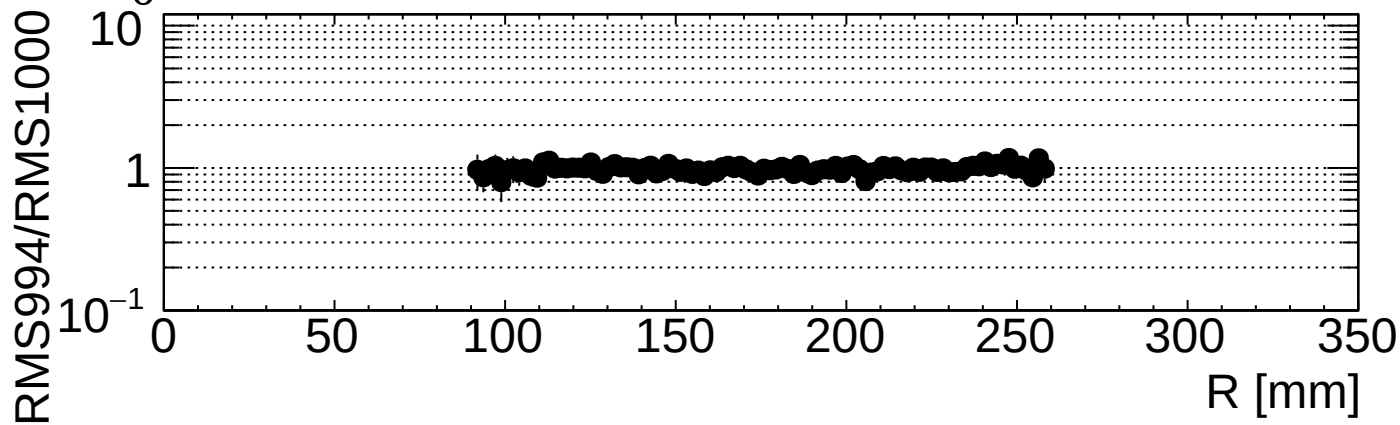
ECAL_Rgg_10ns20DegreeUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



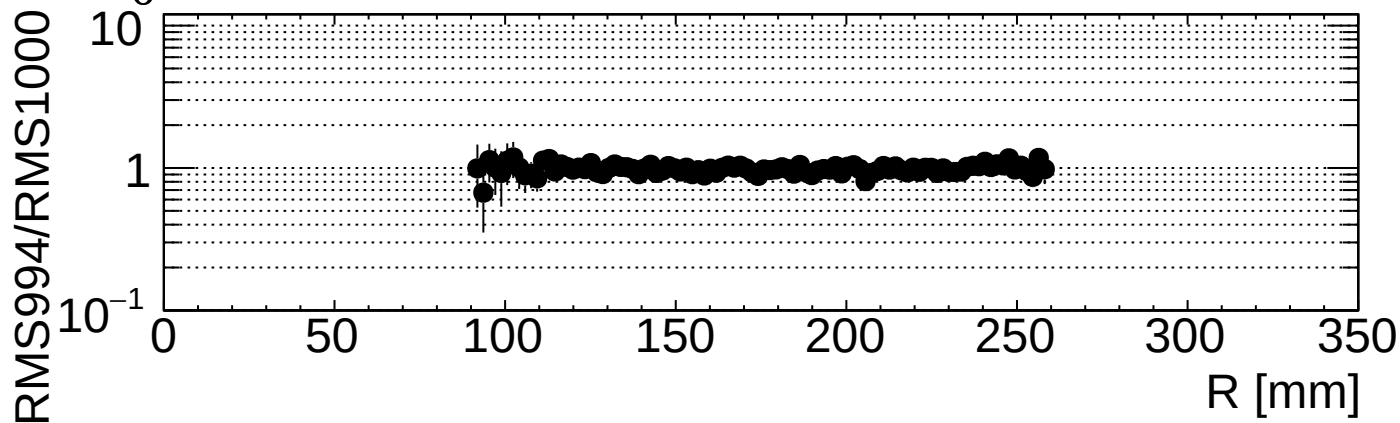
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



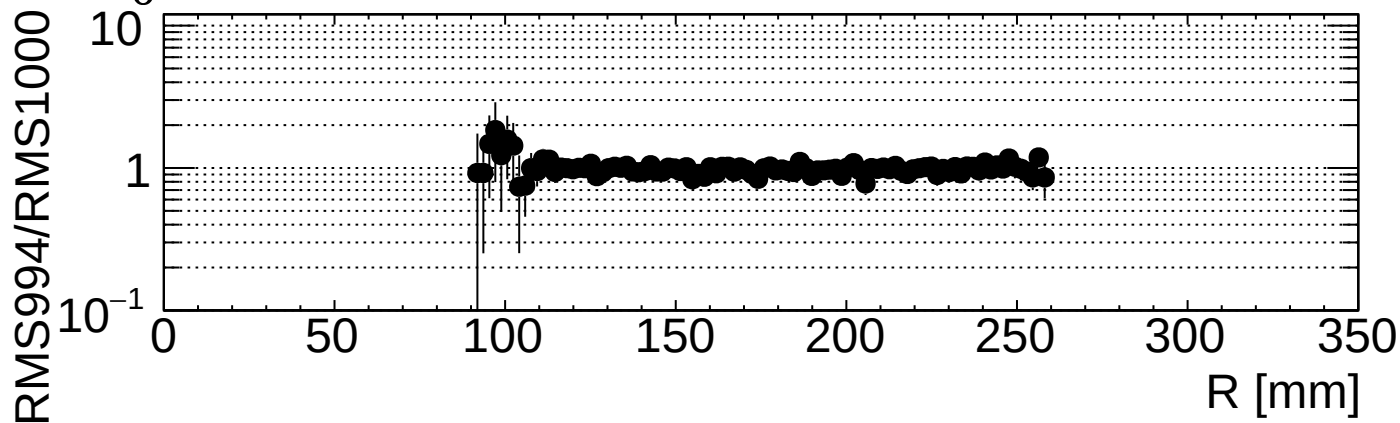
ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



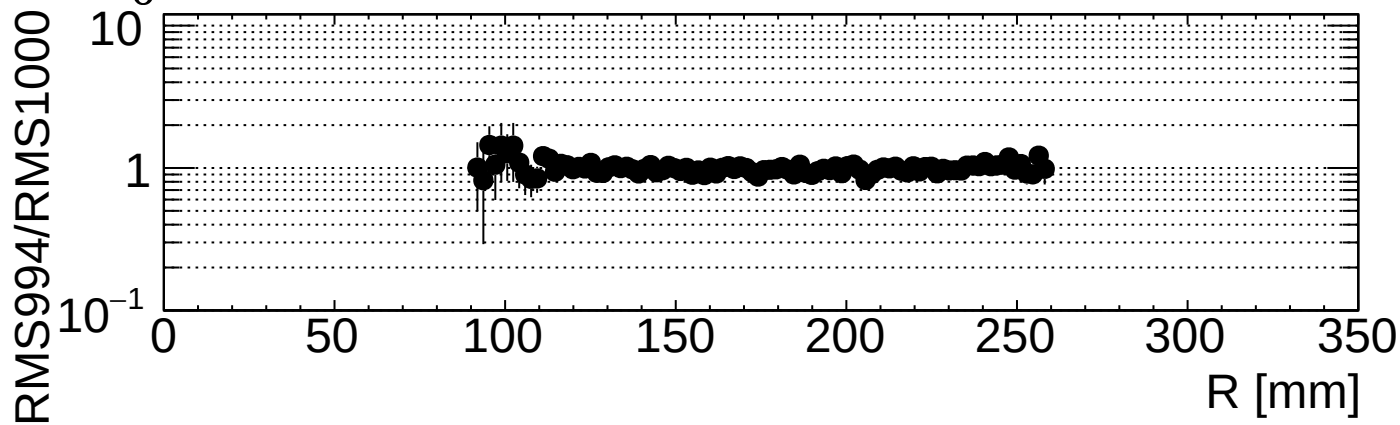
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90

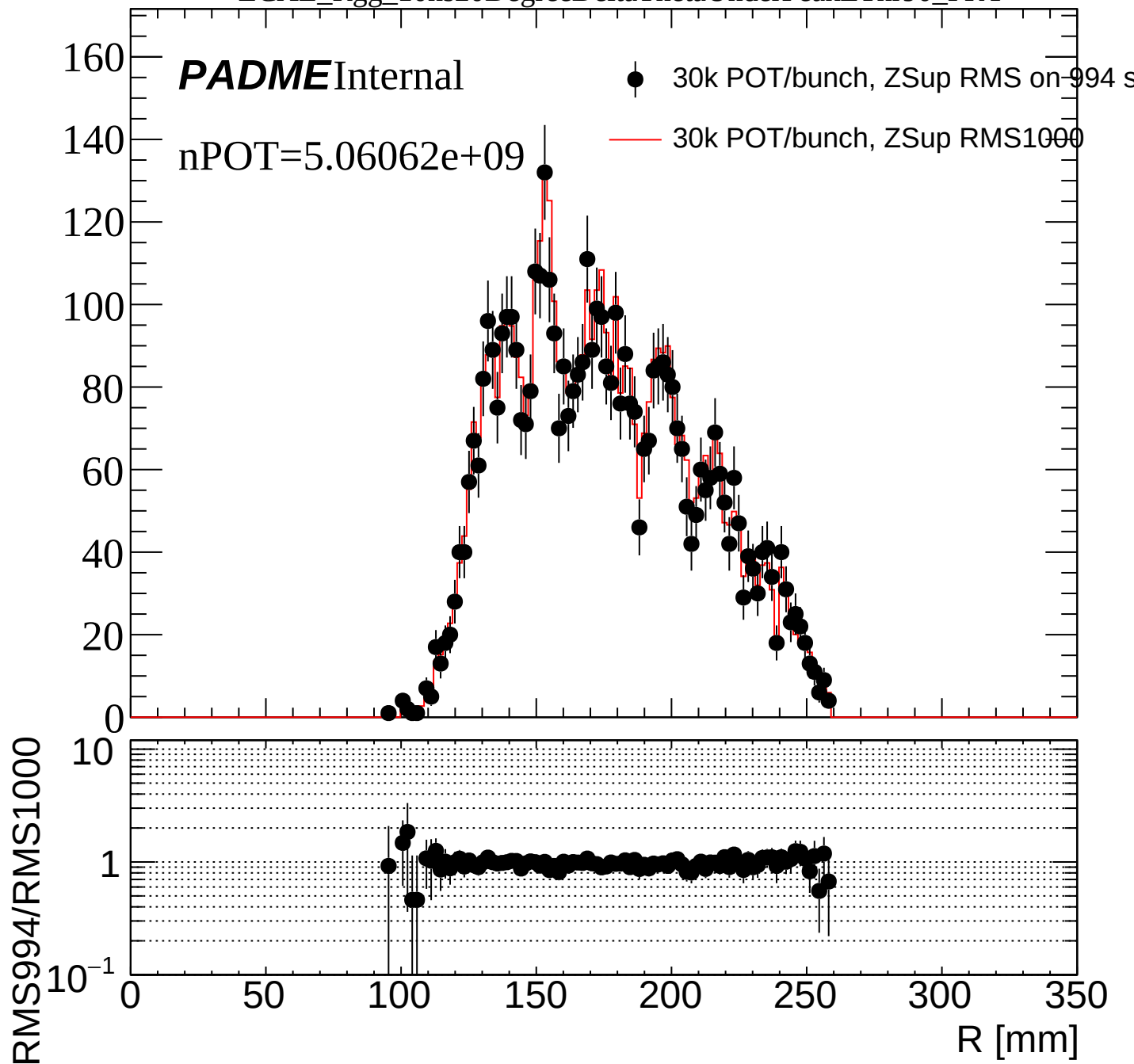
PADMEInternal

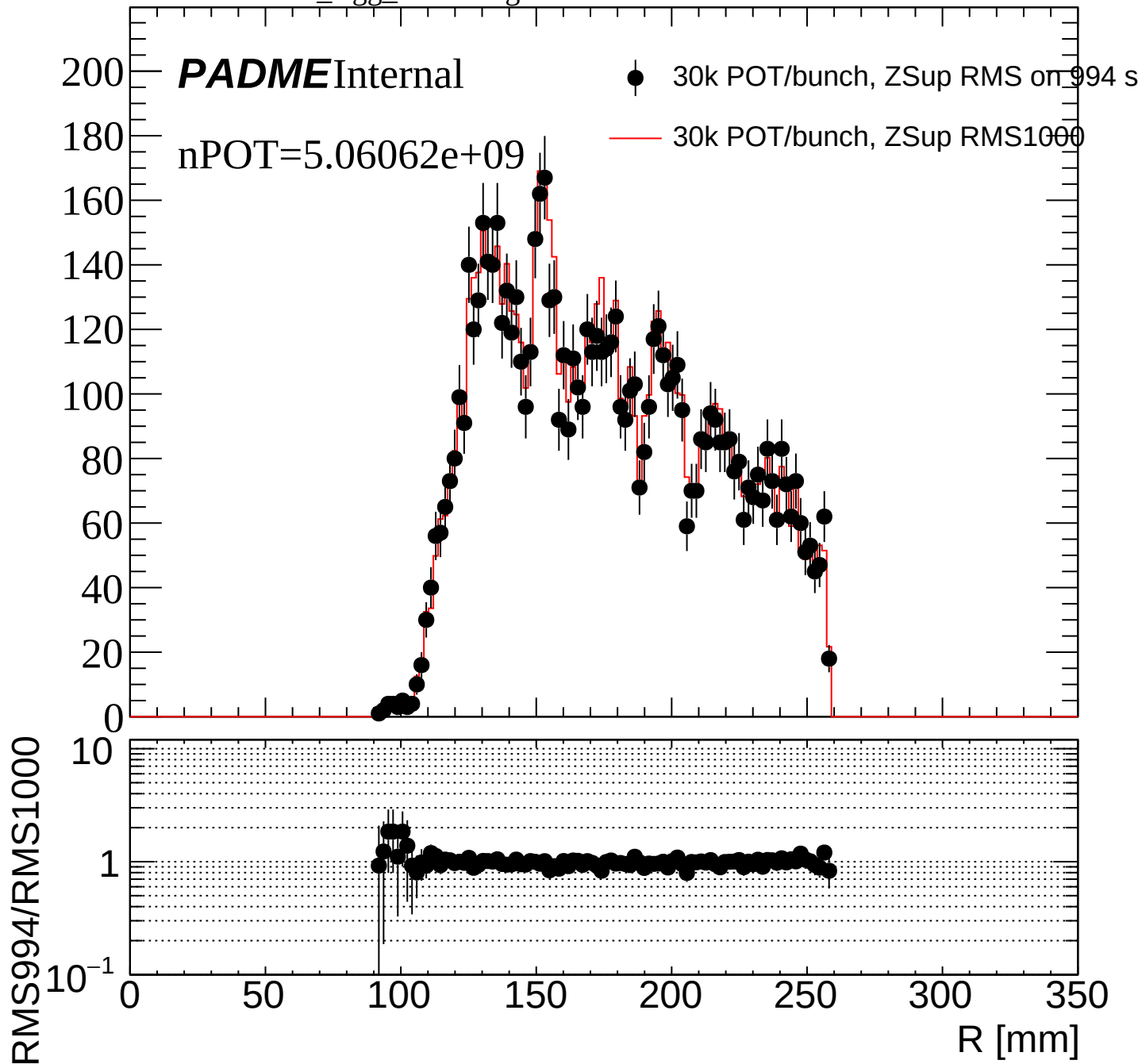
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000







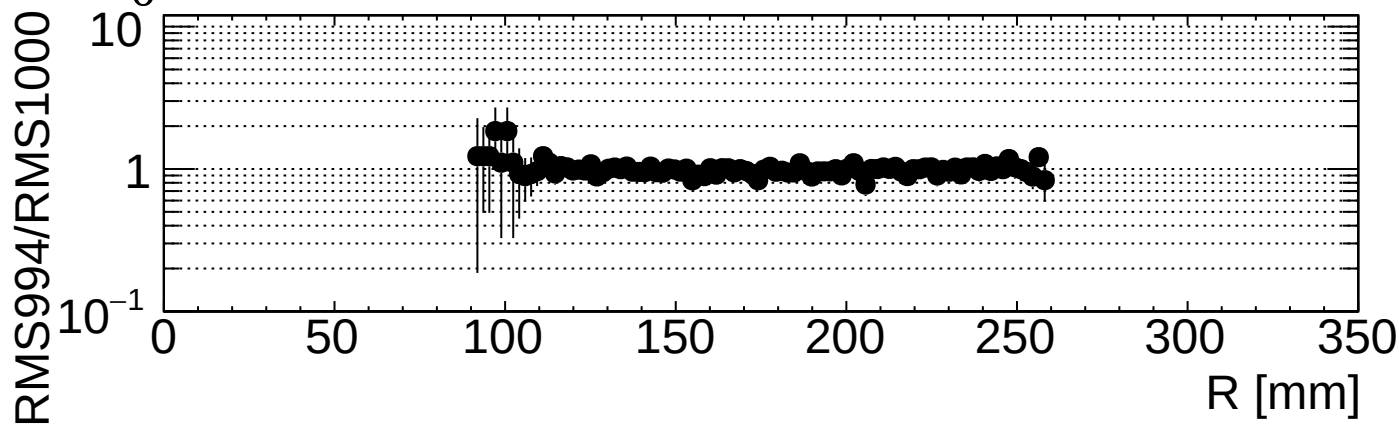
ECAL_Rgg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

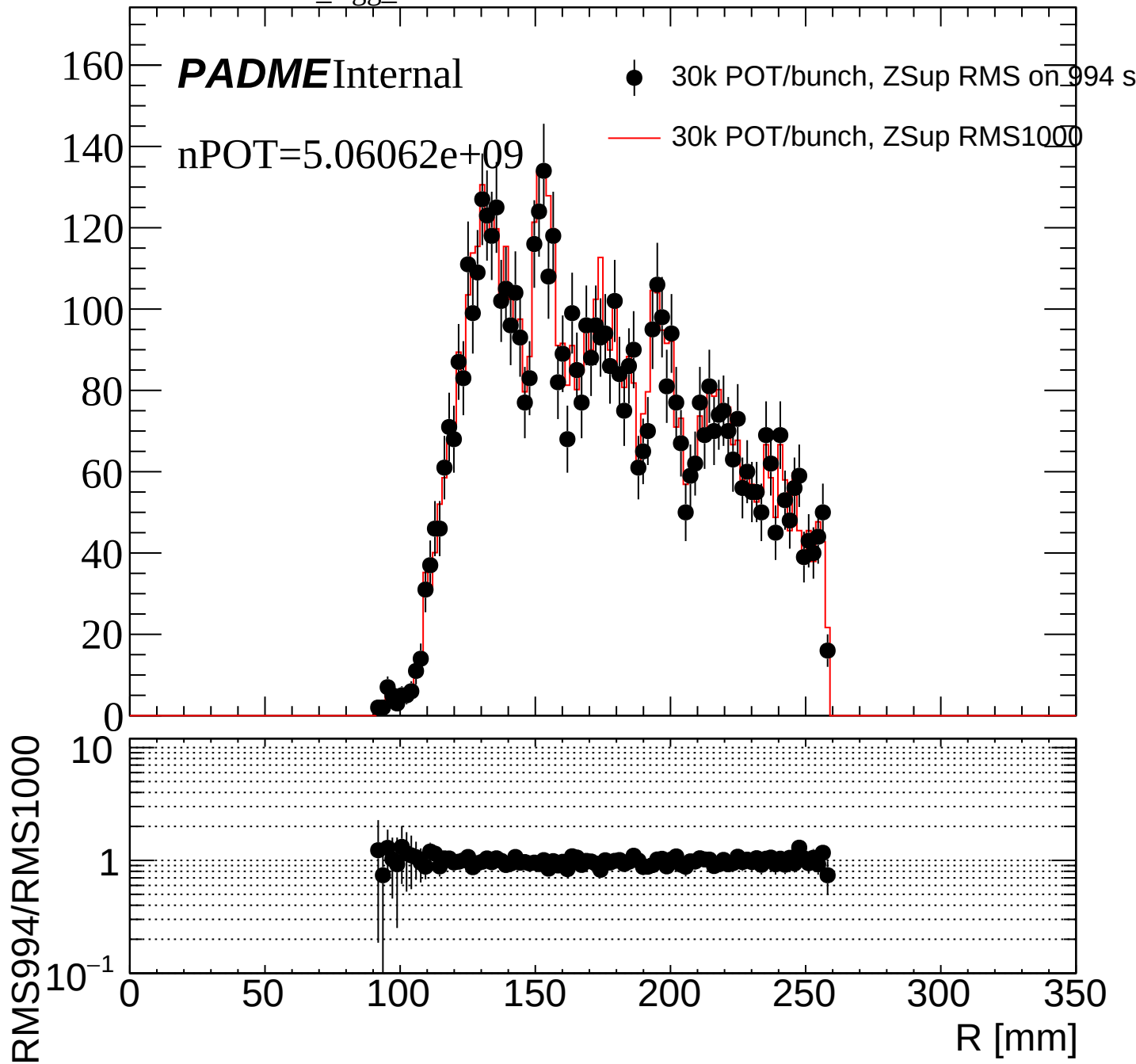
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

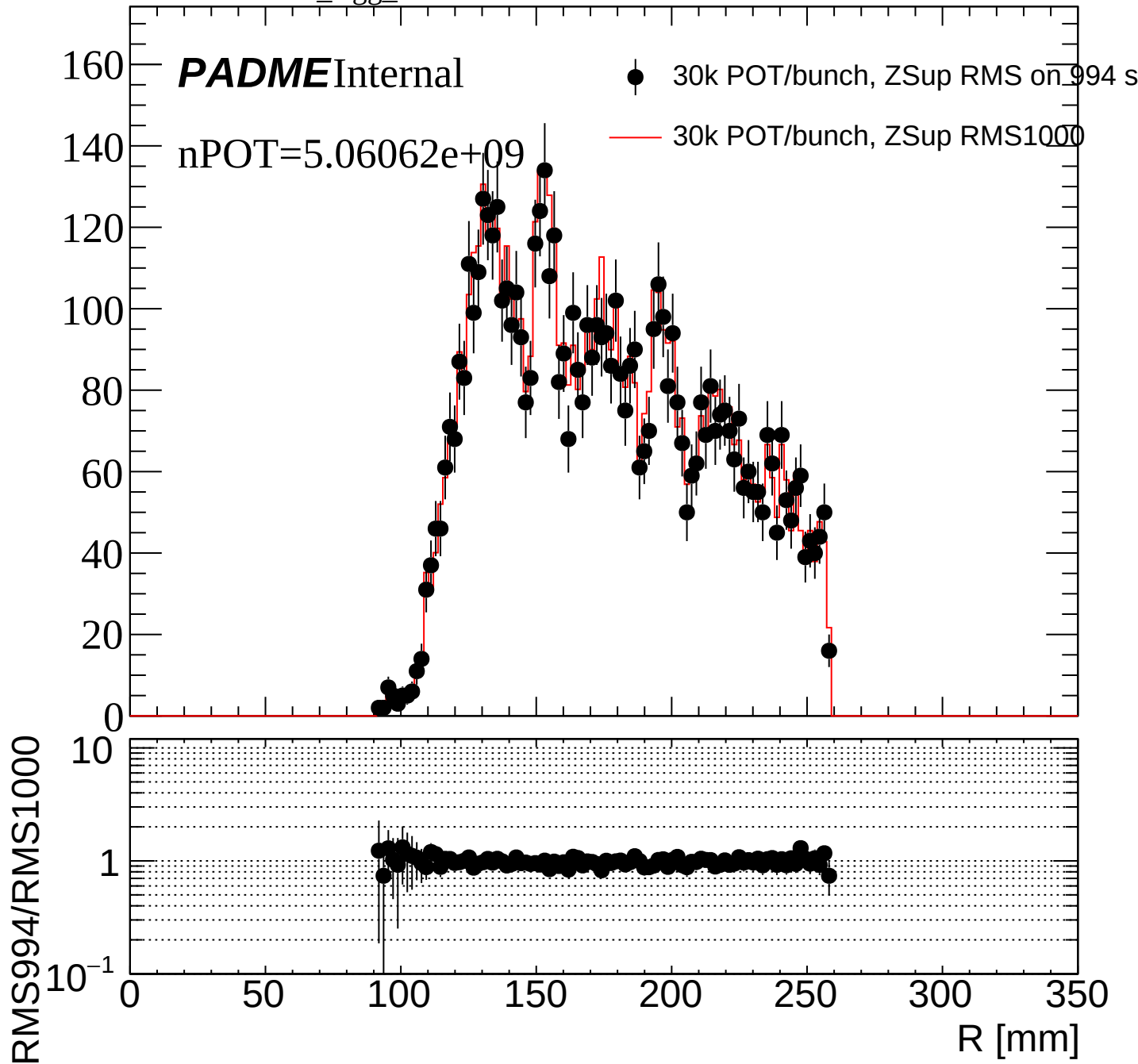
— 30k POT/bunch, ZSup RMS1000

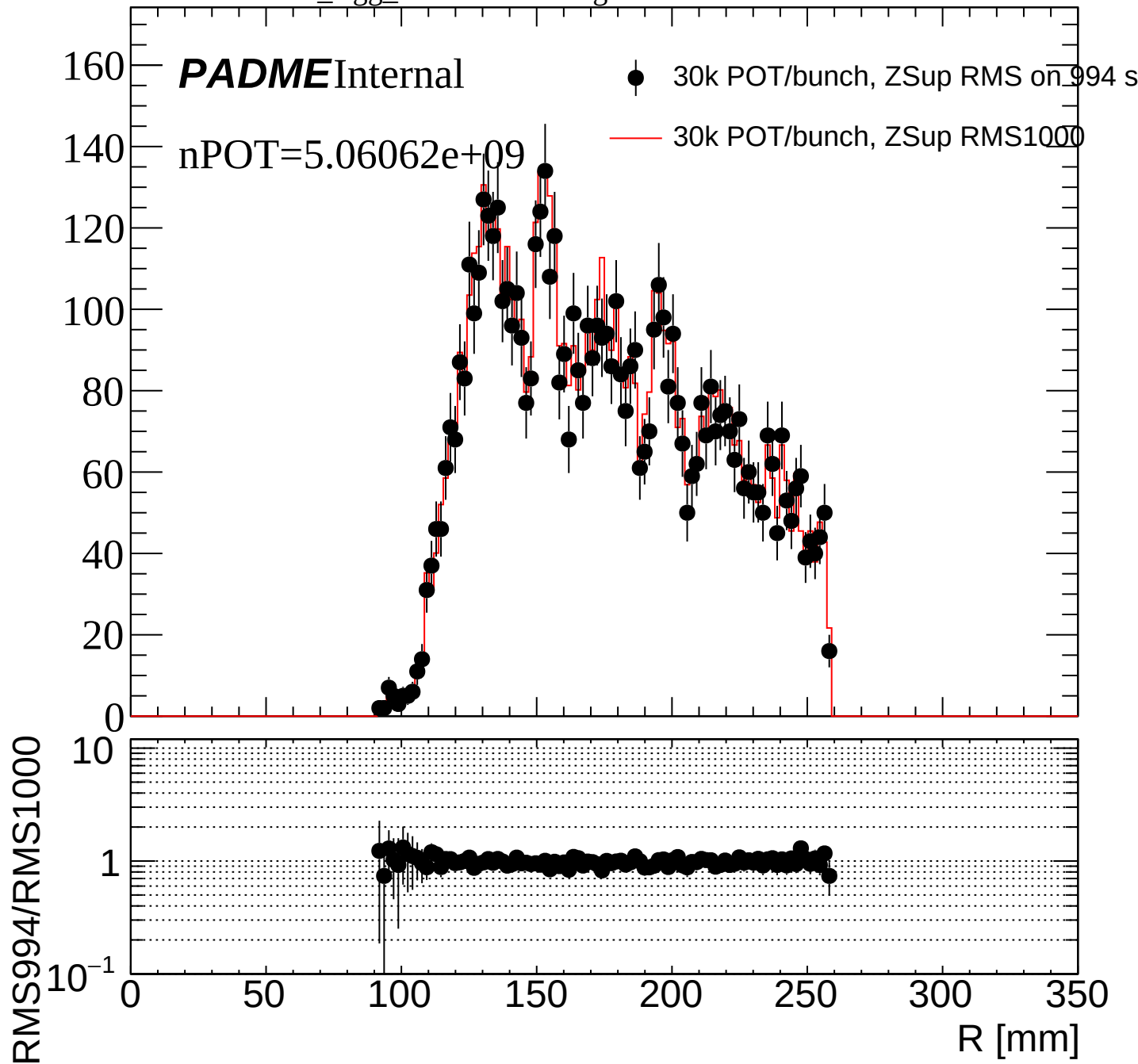


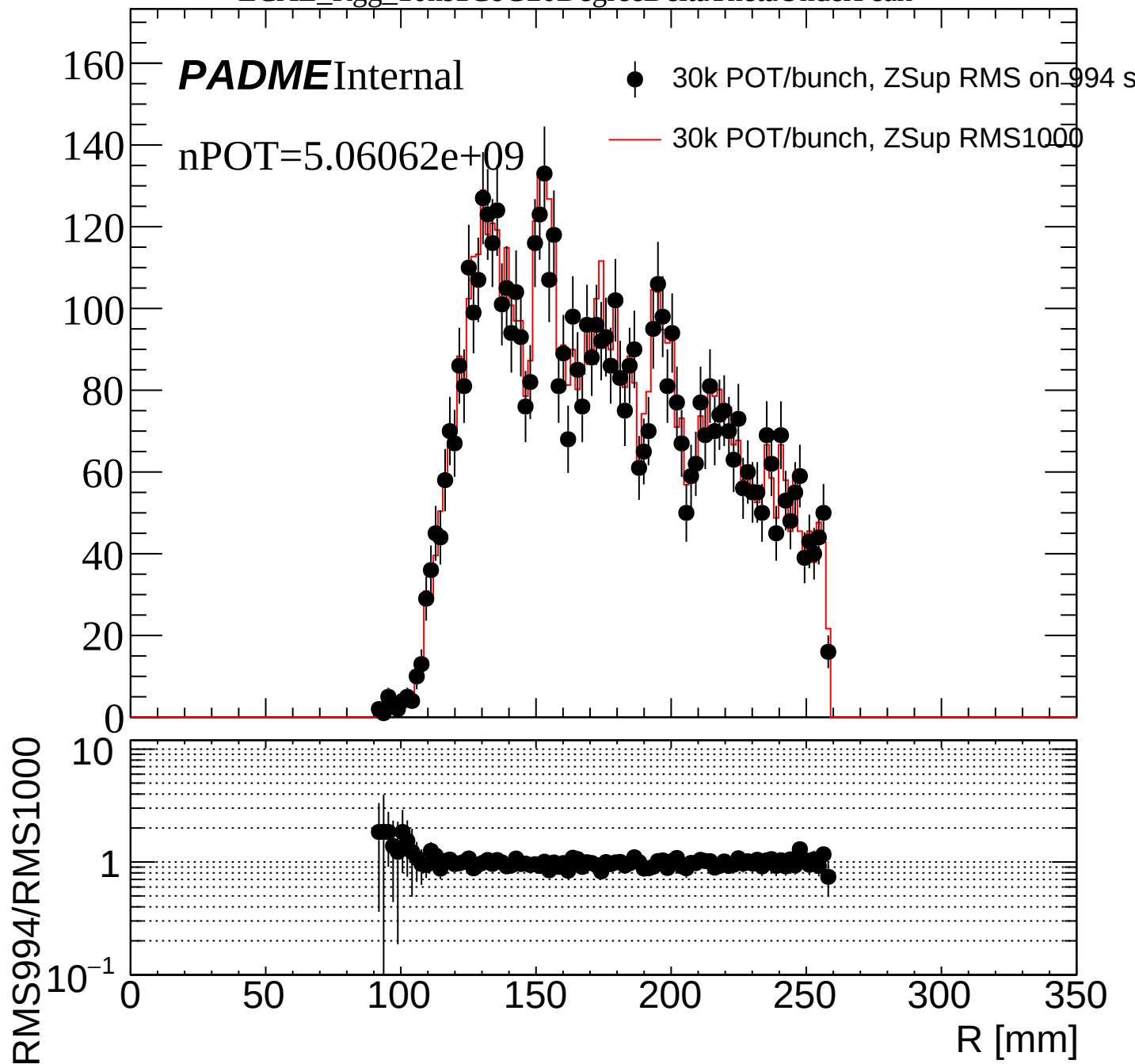
ECAL_Rgg_10ns1CoGUnderPeak



ECAL_Rgg_10ns1CoGUnderPeakEThr90







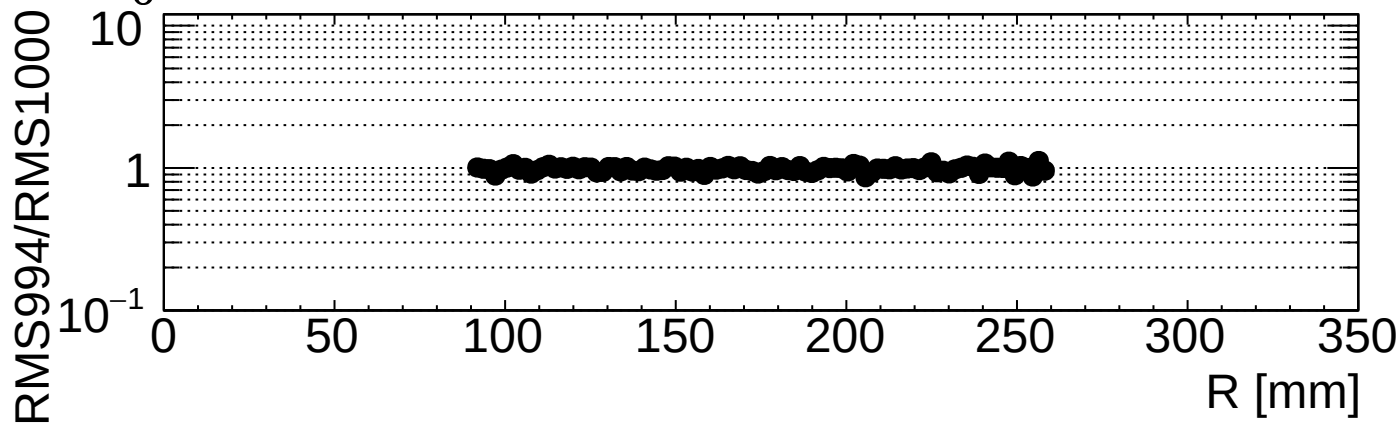
ECAL_Rgg_10nsEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



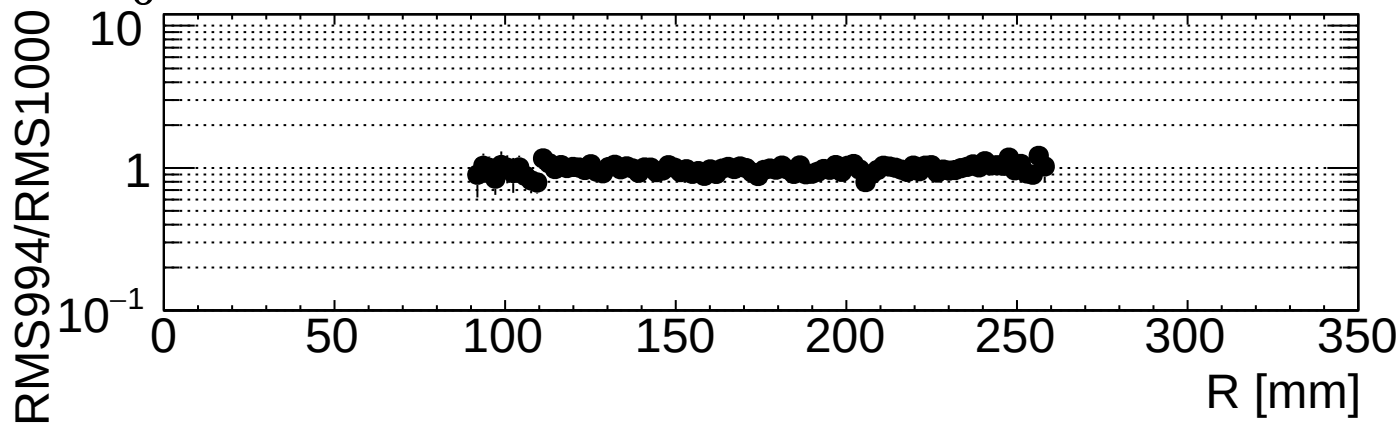
ECAL_Rgg_10ns20DegreeEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

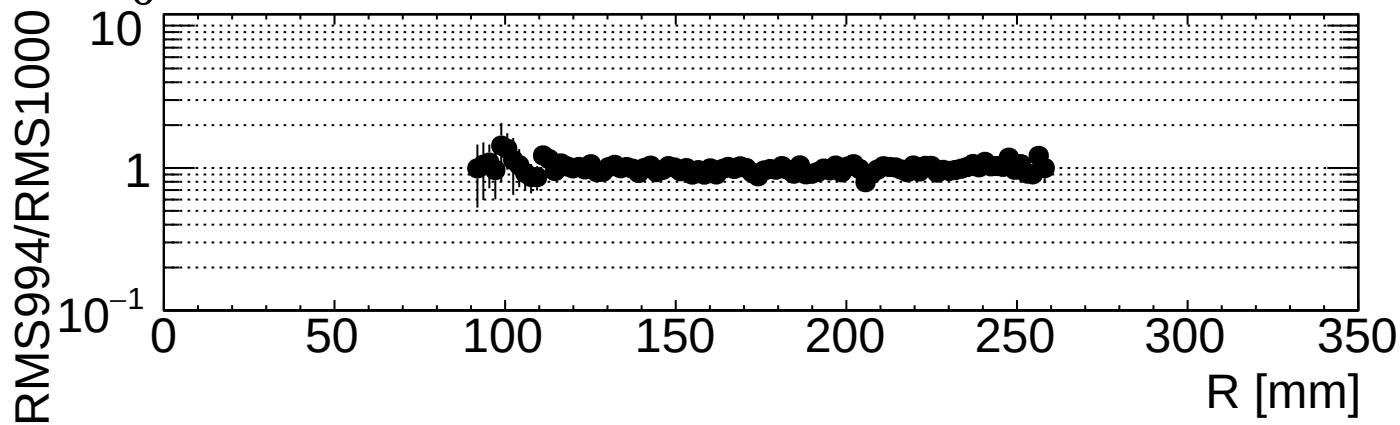


PADMEInternal

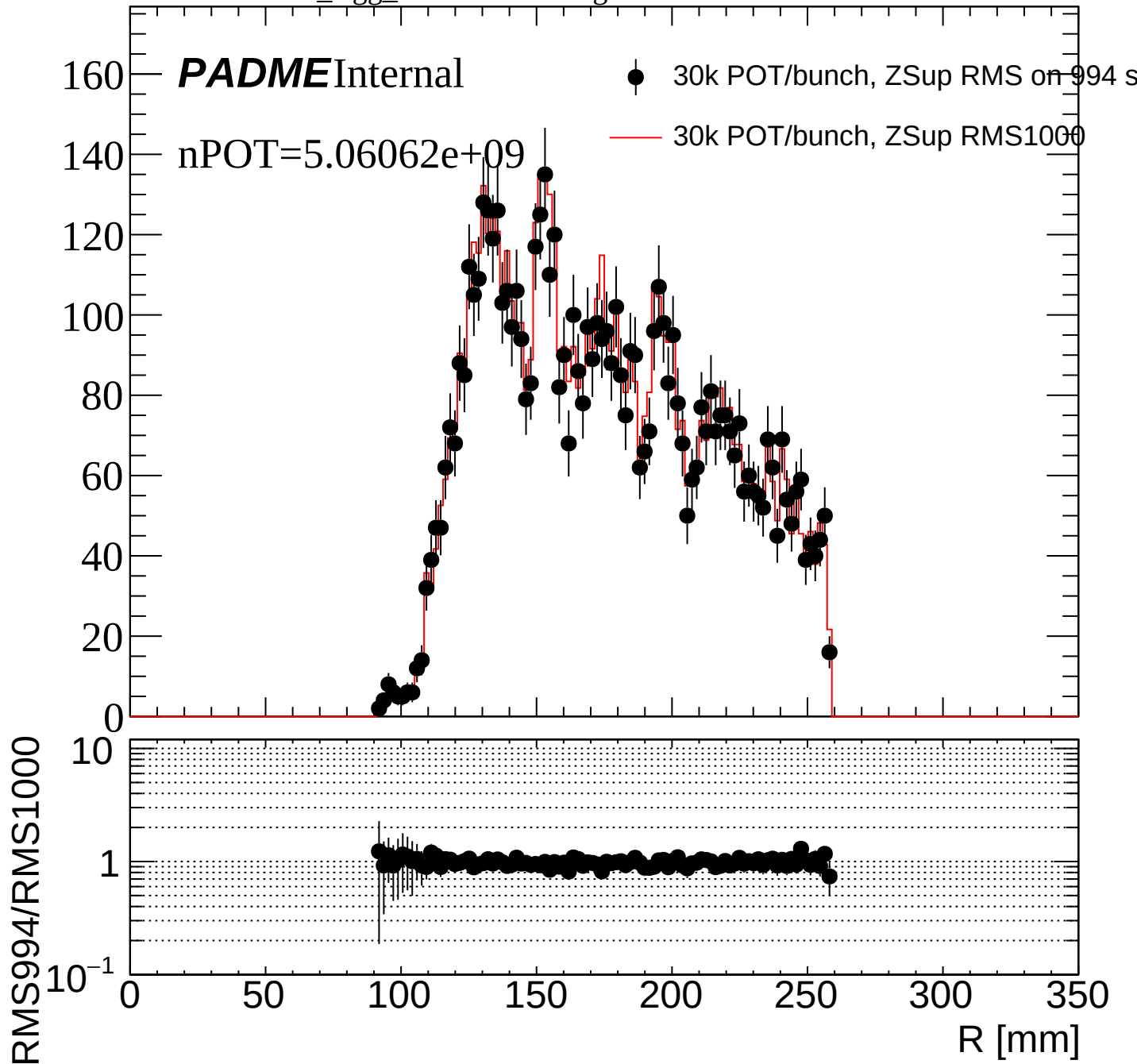
nPOT=5.06062e+09

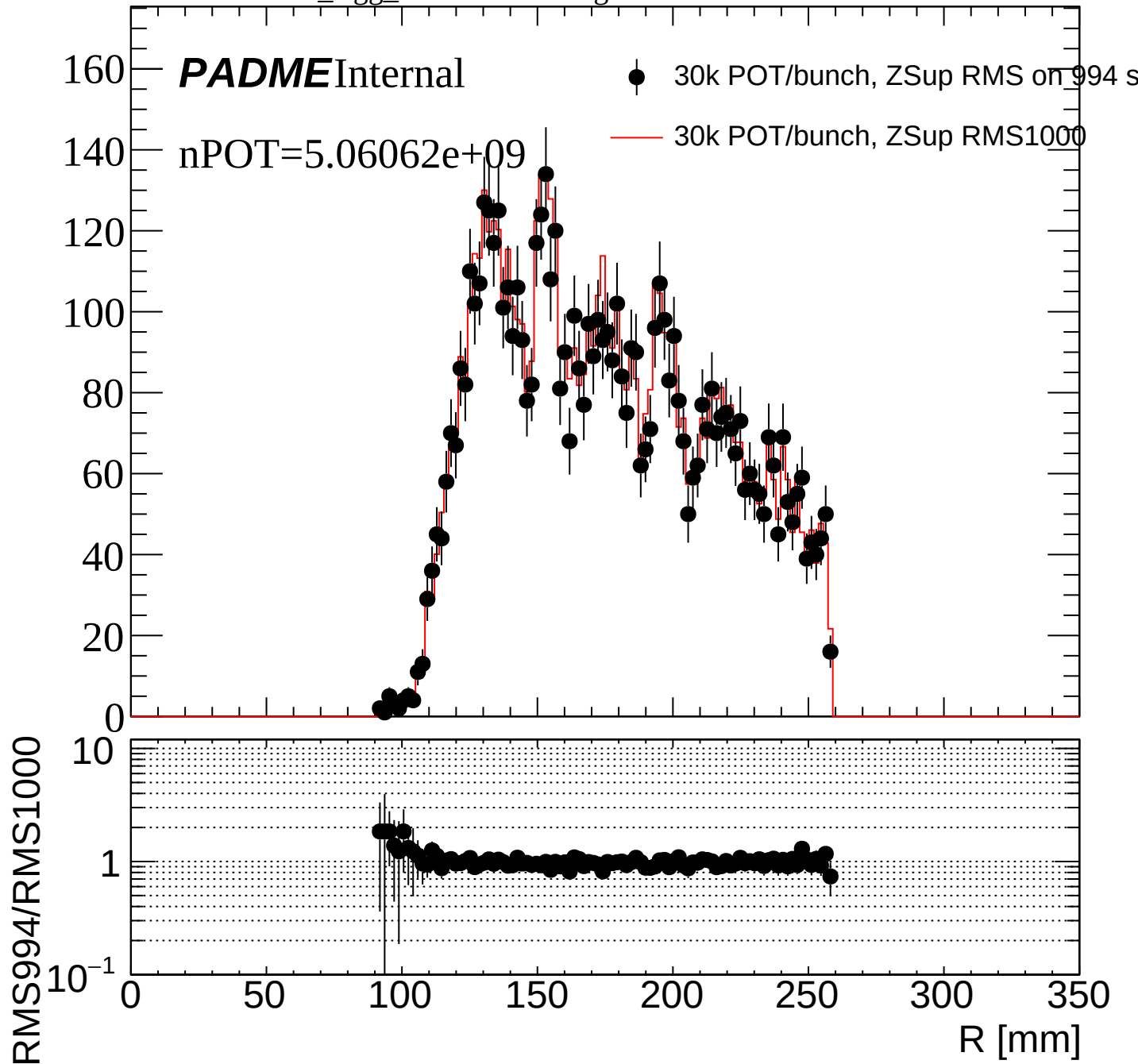
● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Rgg_10ns1CoG20DegreeEThr90





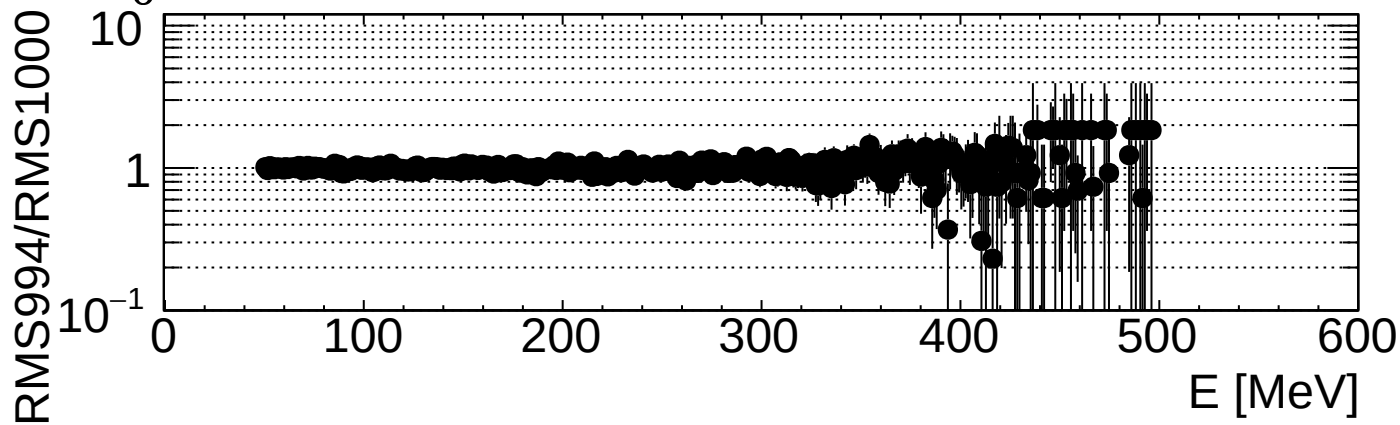
ECAL_Egg_10ns

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



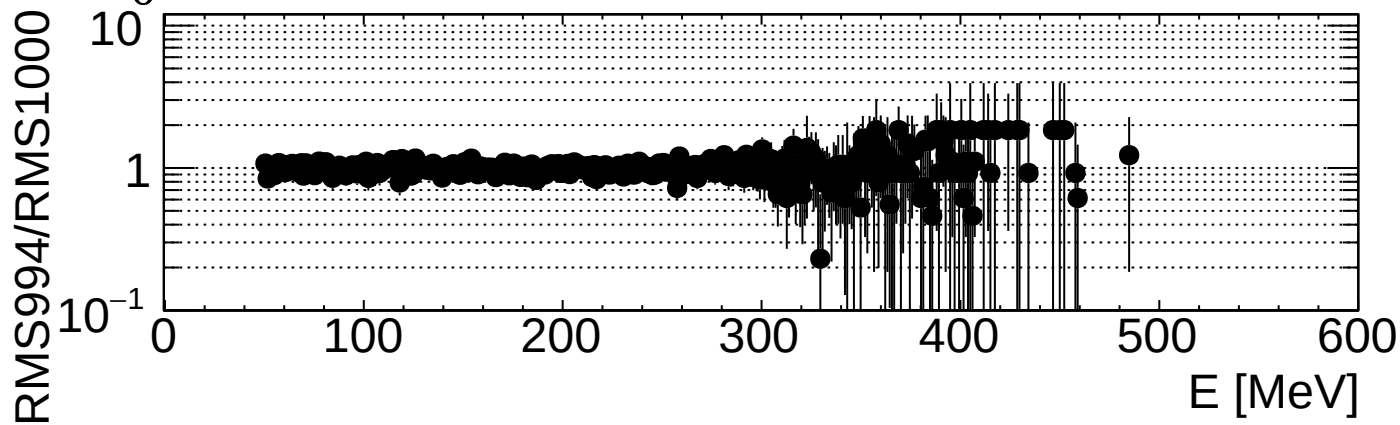
ECAL_Egg_10ns20Degree

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



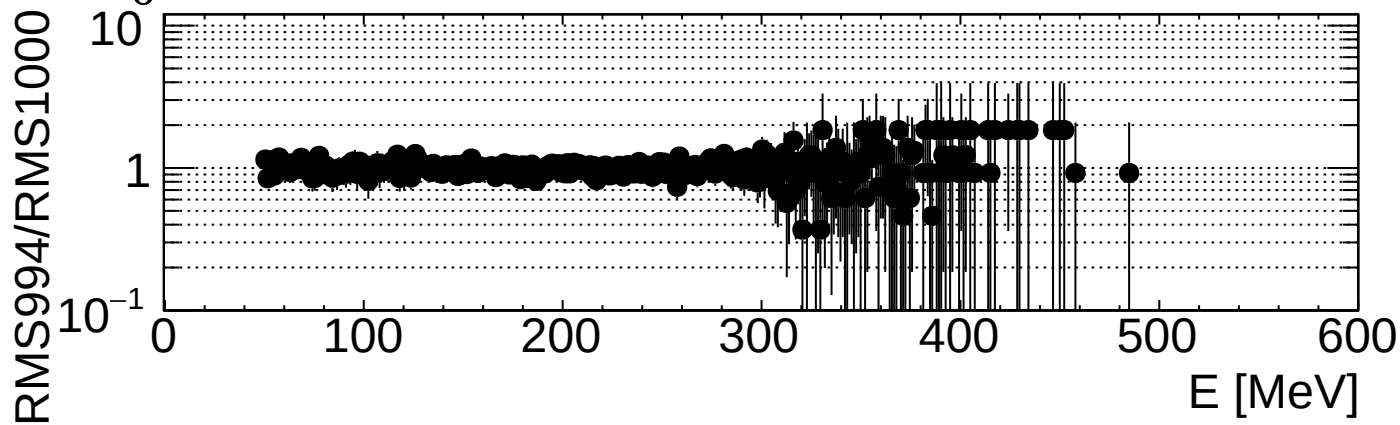
ECAL_Egg_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



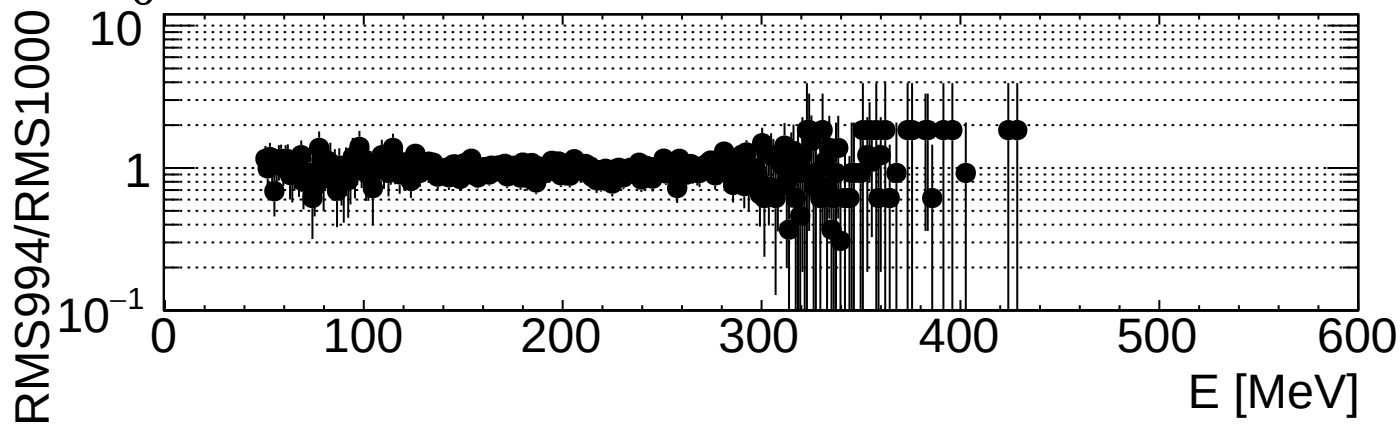
ECAL_Egg_10ns5DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



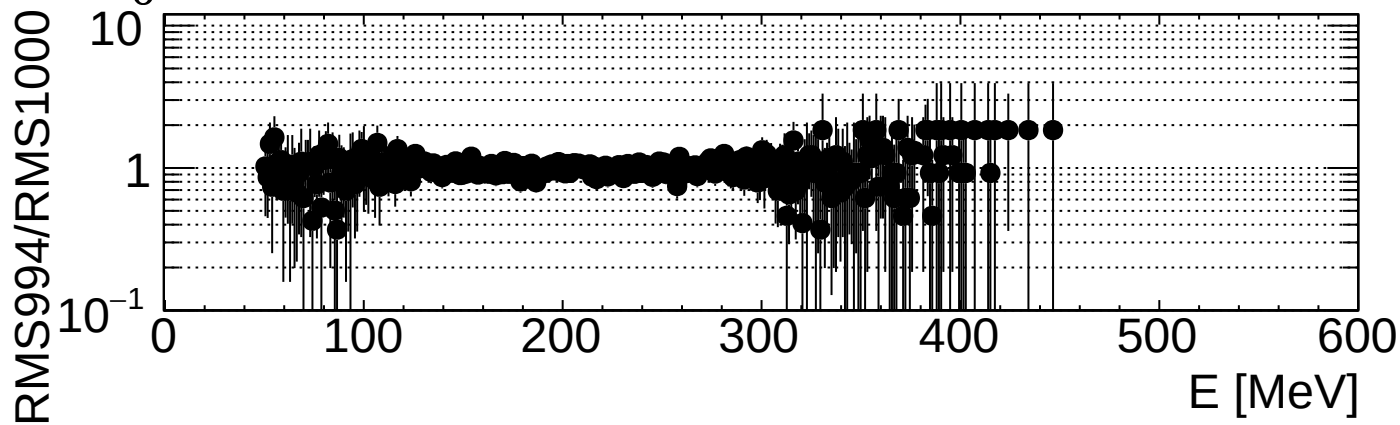
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak

PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



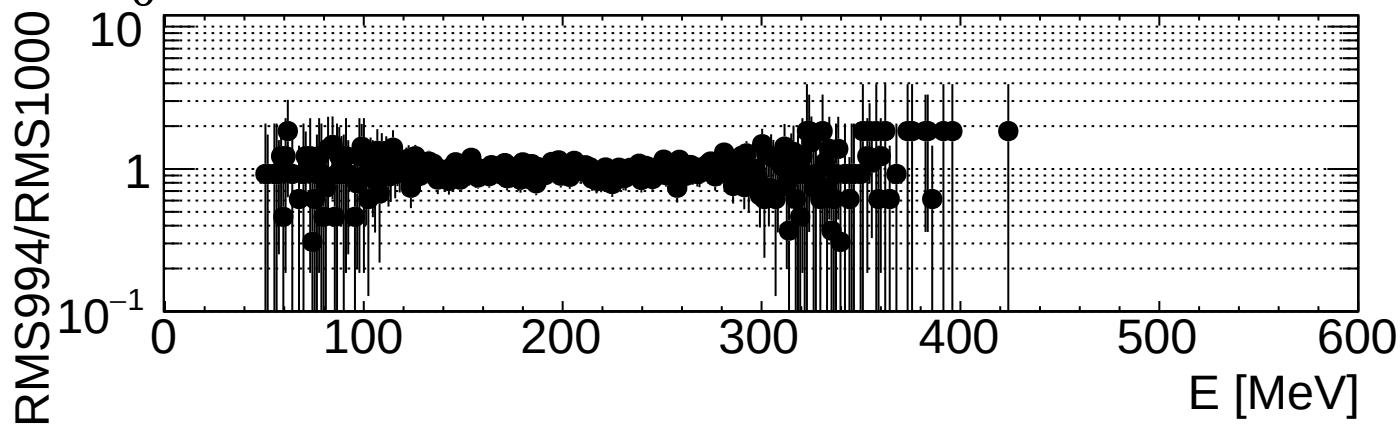
ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak

PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



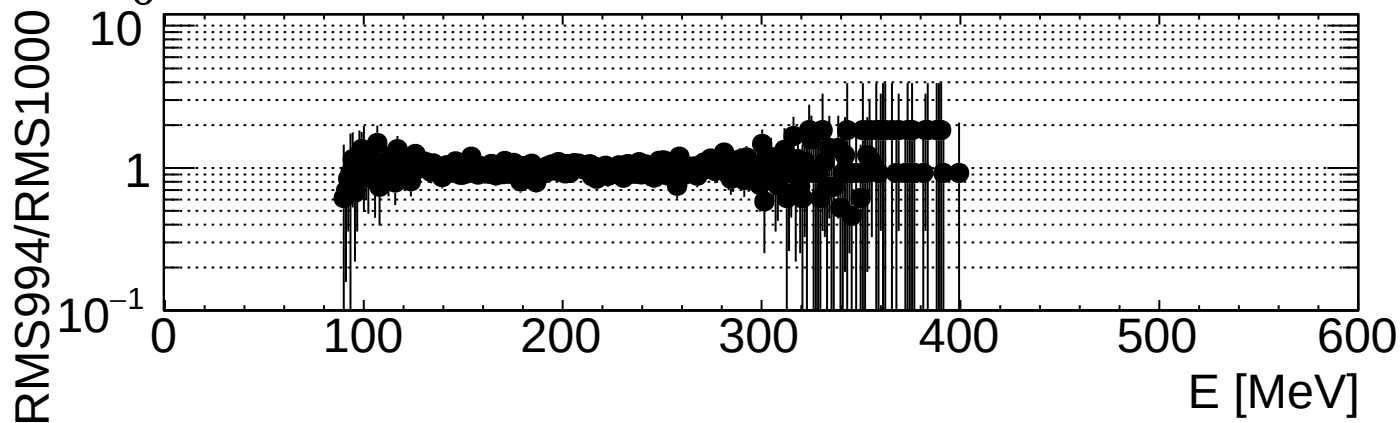
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90

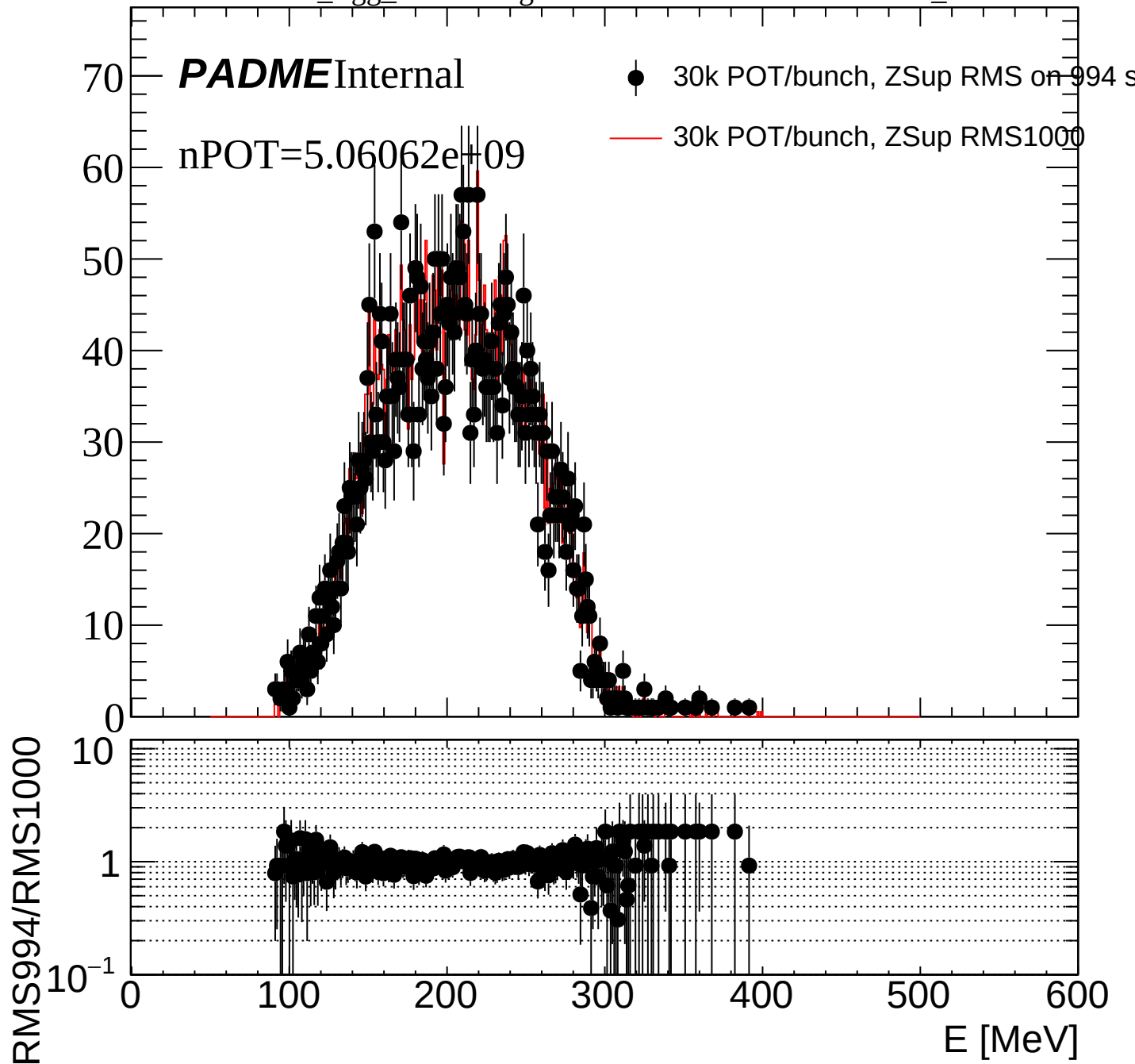
PADME Internal

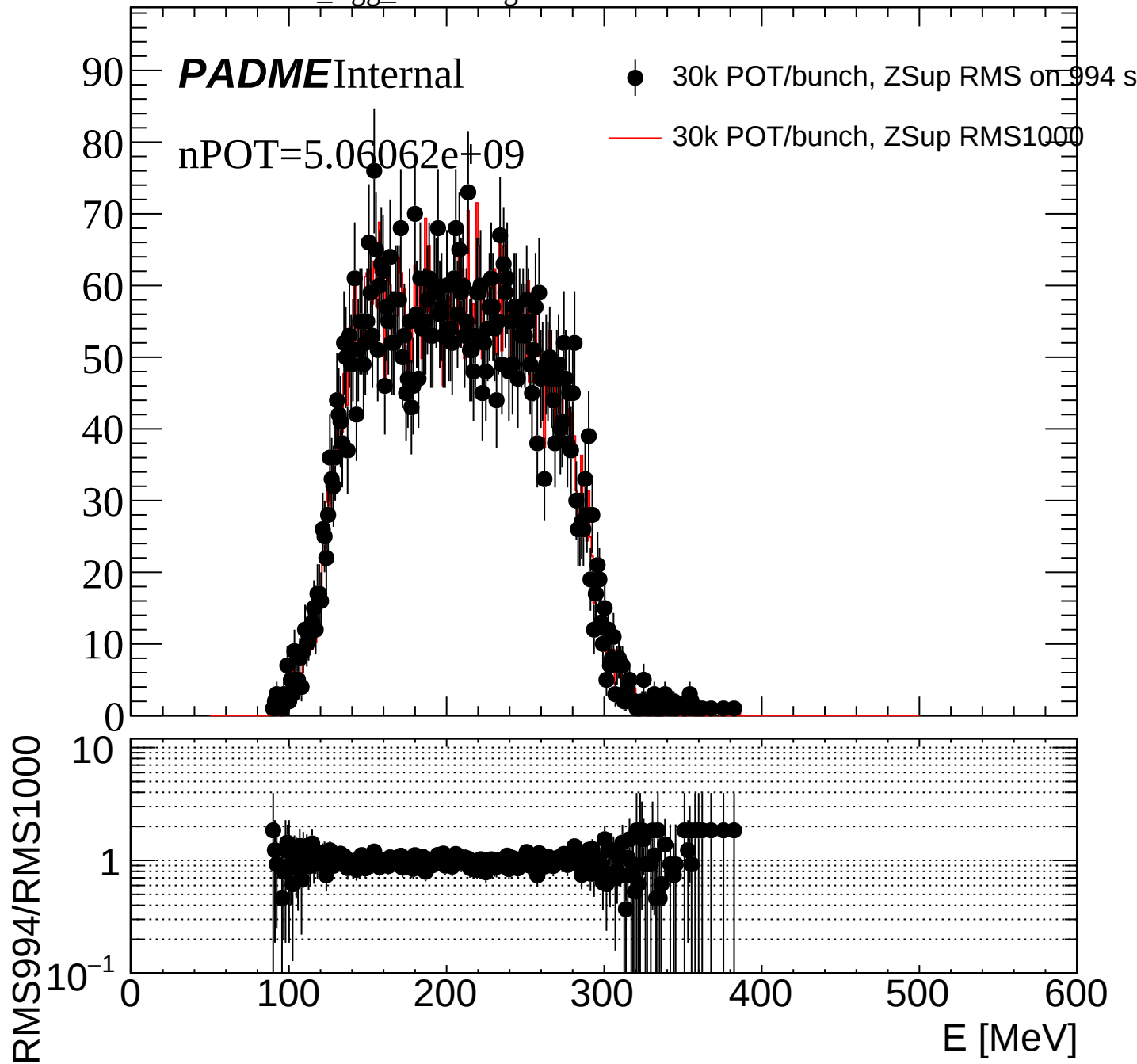
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000







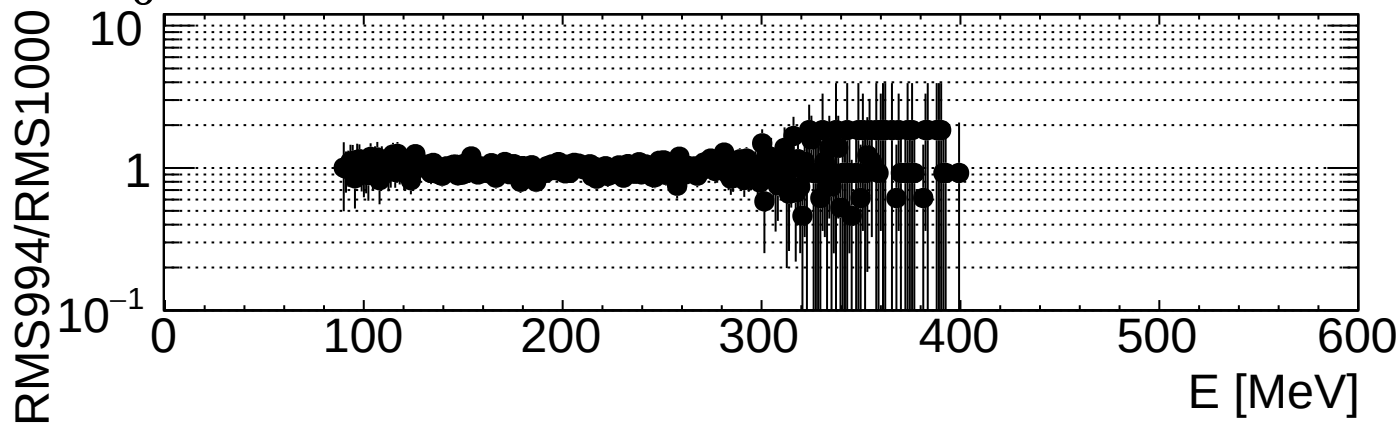
ECAL_Egg_10ns20DegreeDeltaThetaEThr90

PADME Internal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



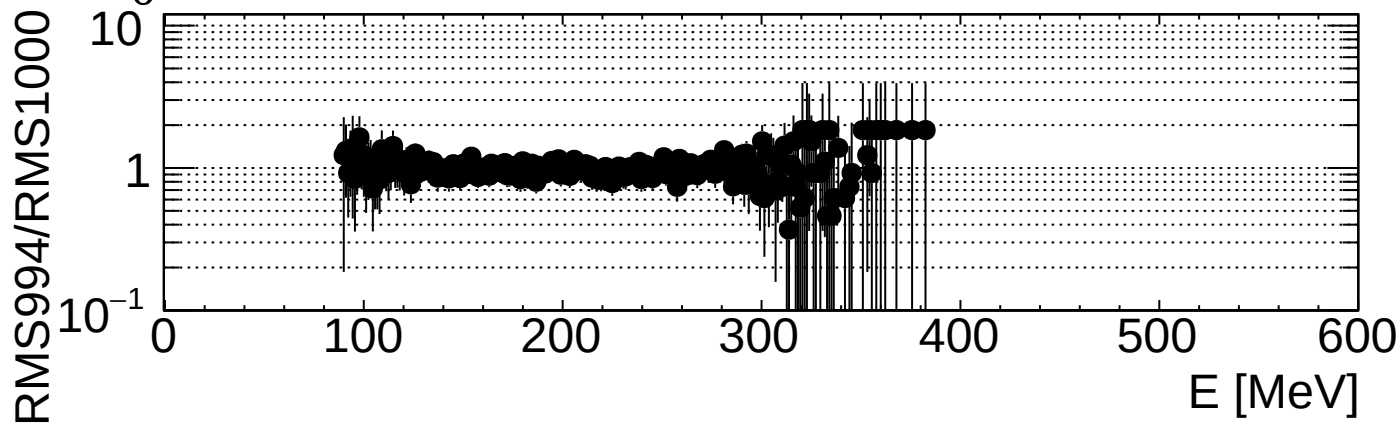
ECAL_Egg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



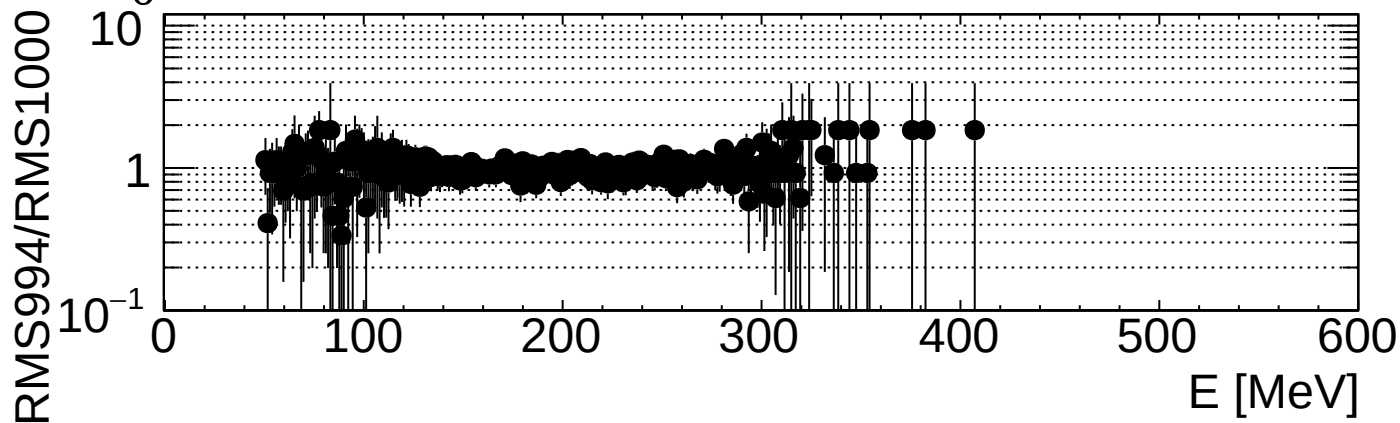
ECAL_Egg_10ns1CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



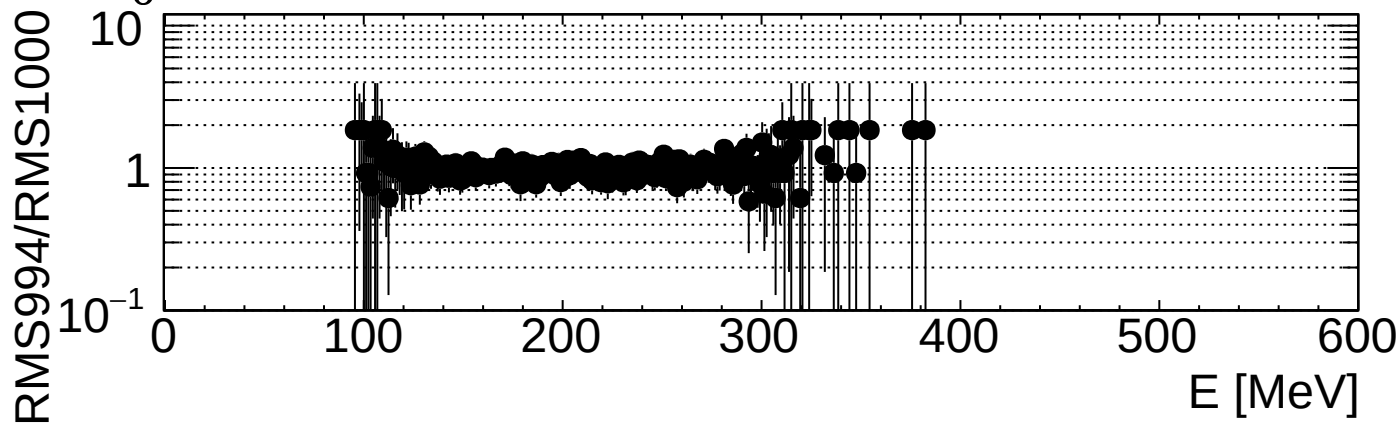
ECAL_Egg_10ns1CoGUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



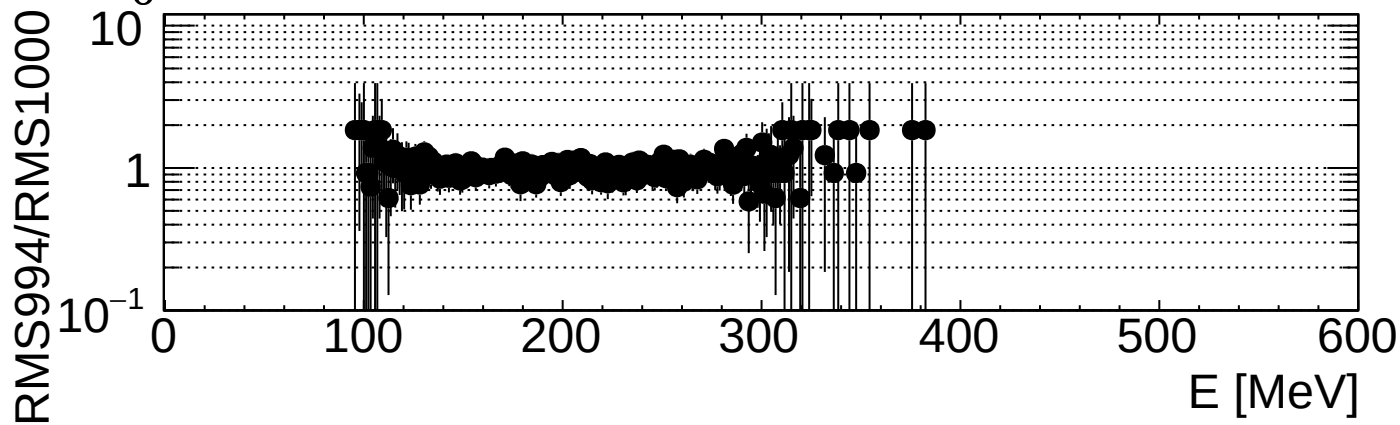
ECAL_Egg_10ns1CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



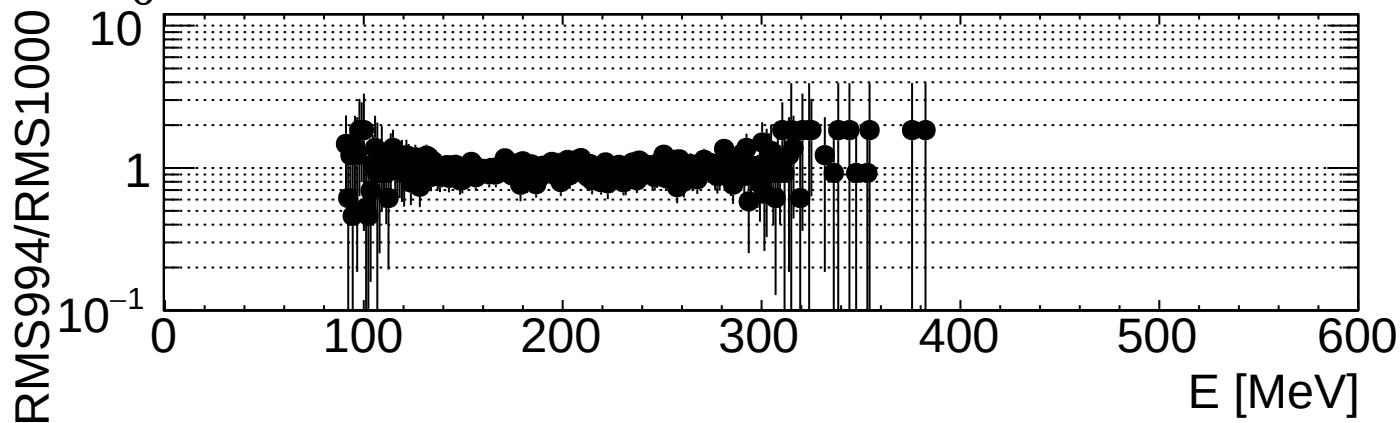
ECAL_Egg_10ns1CoGEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



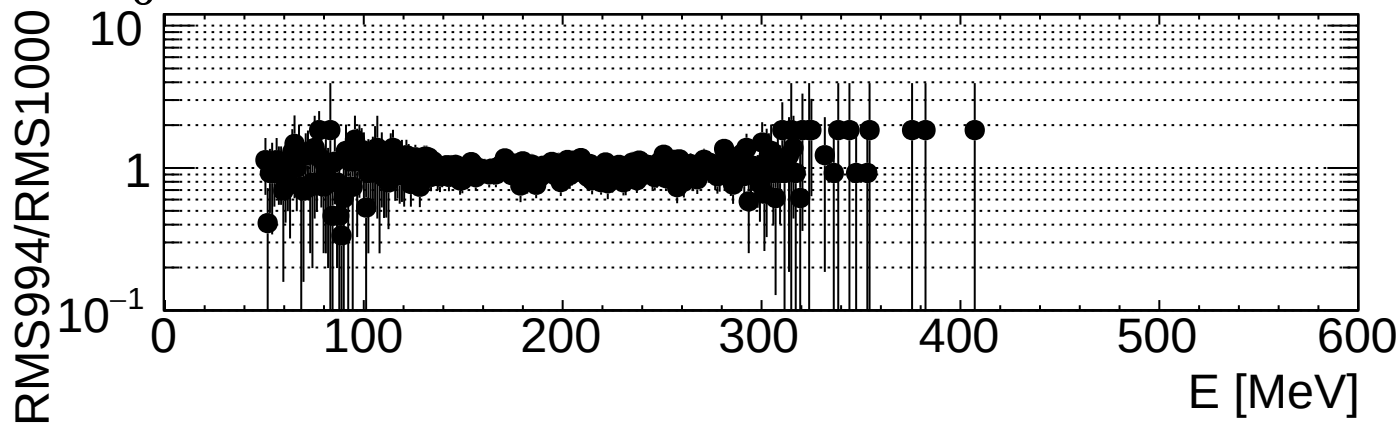
ECAL_Egg_10ns1CoG20Degree

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



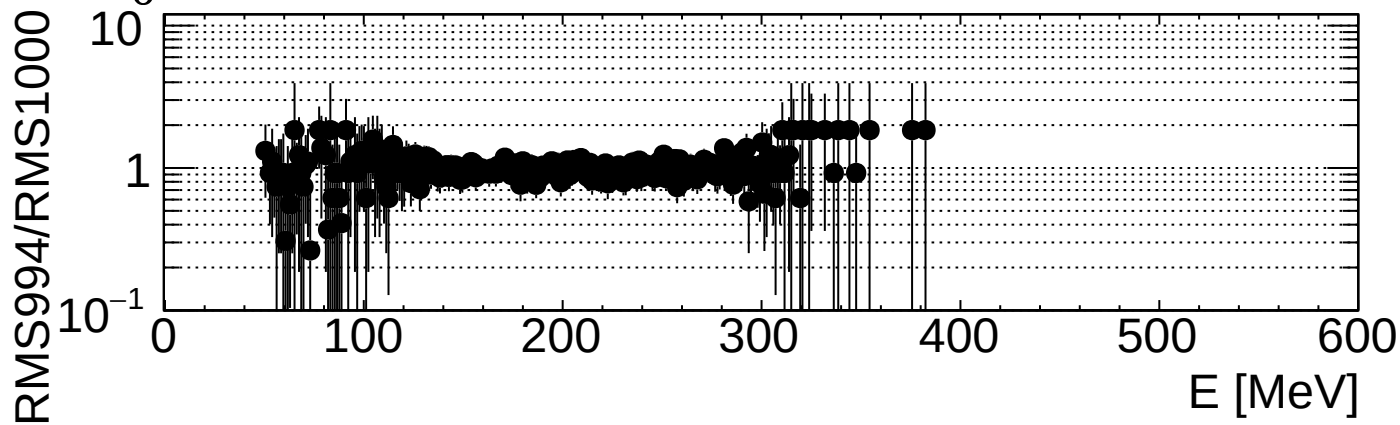
ECAL_Egg_10ns1CoG20DegreeDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



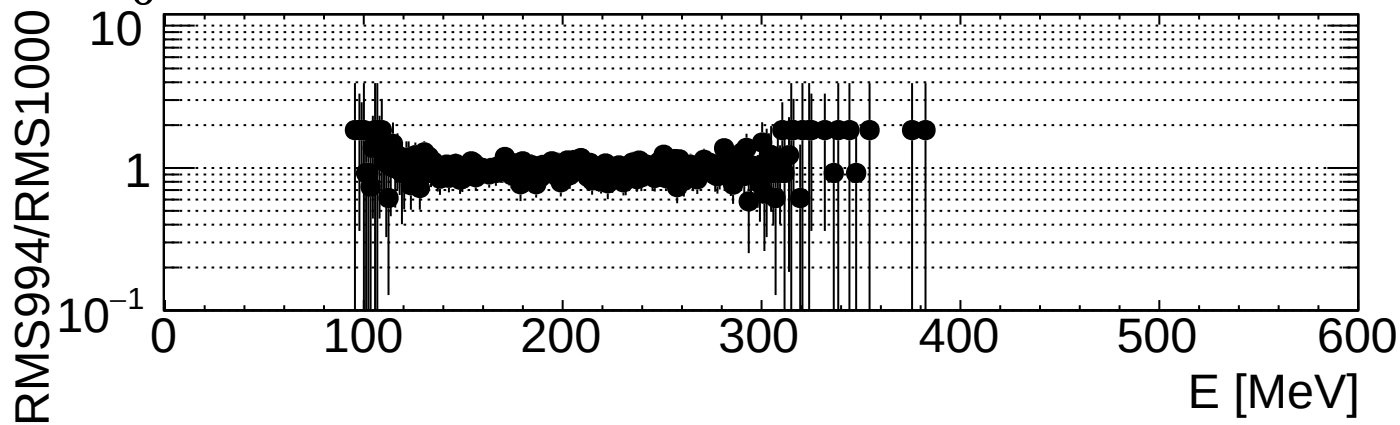
ECAL_Egg_10ns1CoG20DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



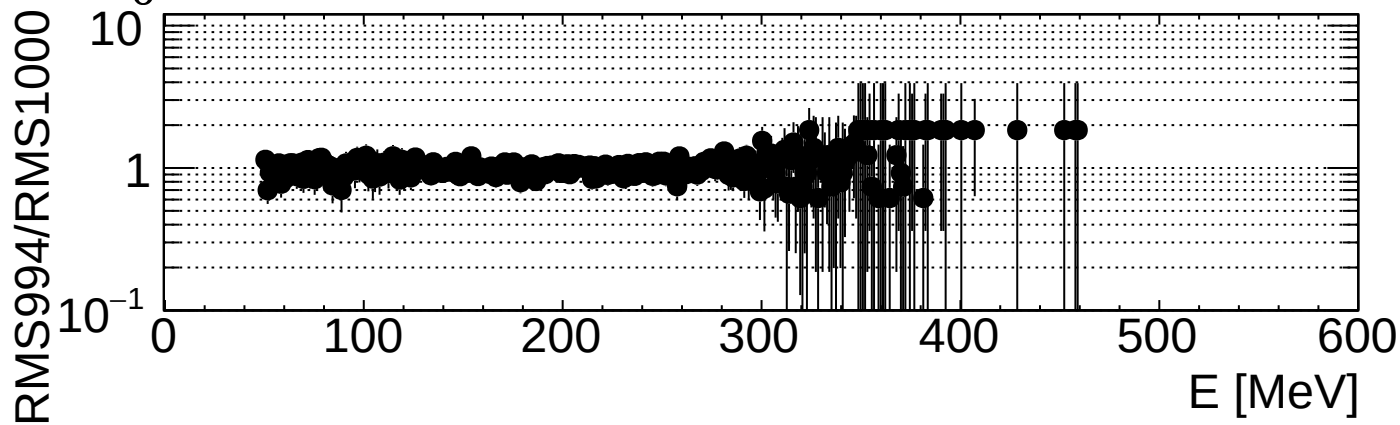
ECAL_Egg_10ns3CoG

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



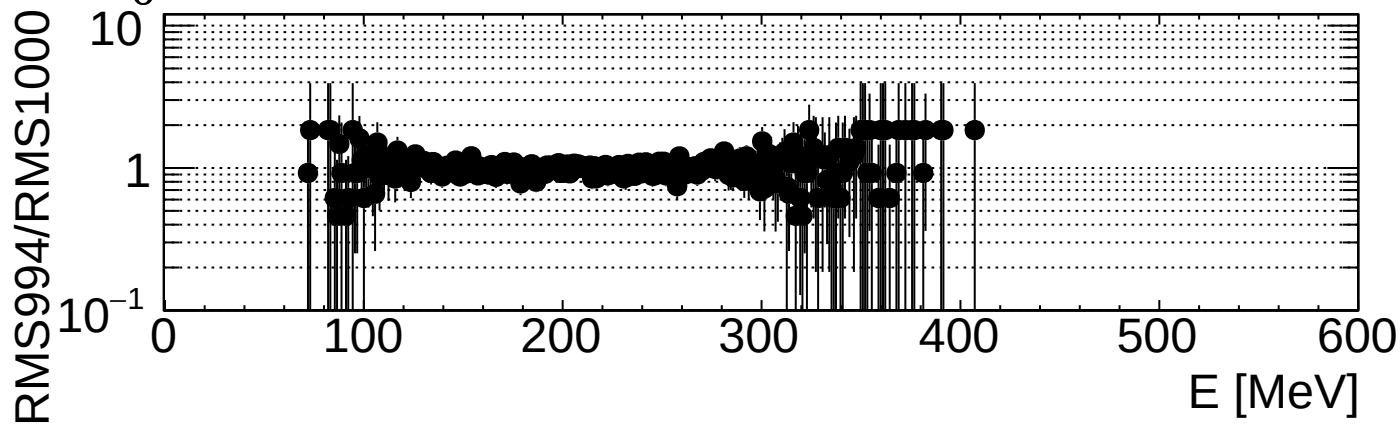
ECAL_Egg_10ns3CoGUnderPeak

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



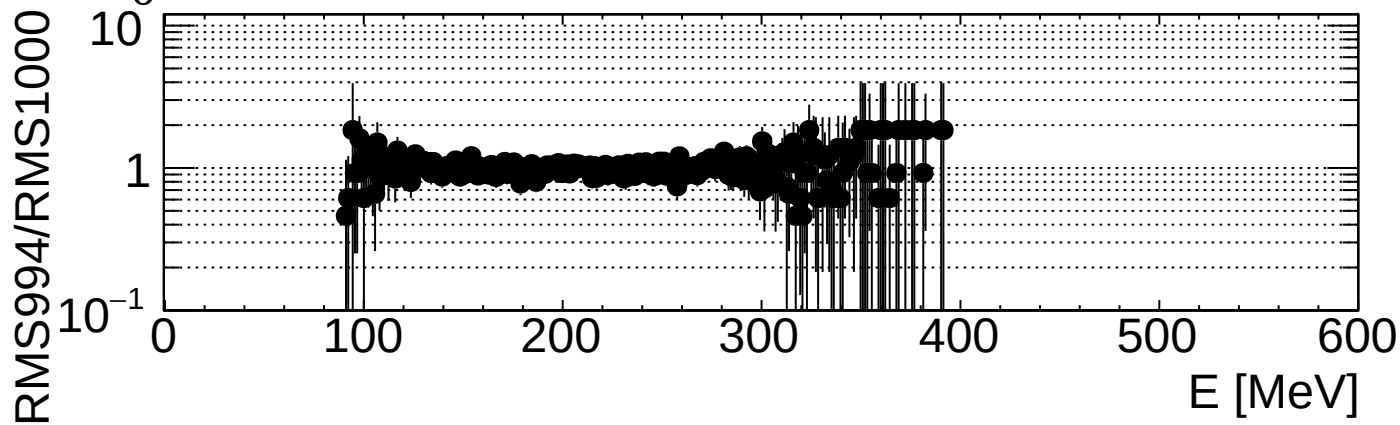
ECAL_Egg_10ns3CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Egg_10ns3CoGUnderPeakEThr90_FRY

70

PADMEInternal

● 30k POT/bunch, ZSup RMS on 994 s

60

nPOT=5.06062e+09

— 30k POT/bunch, ZSup RMS1000

50

40

30

20

10

0

RMS994/RMS1000

10

1

10^{-1}

0

100

200

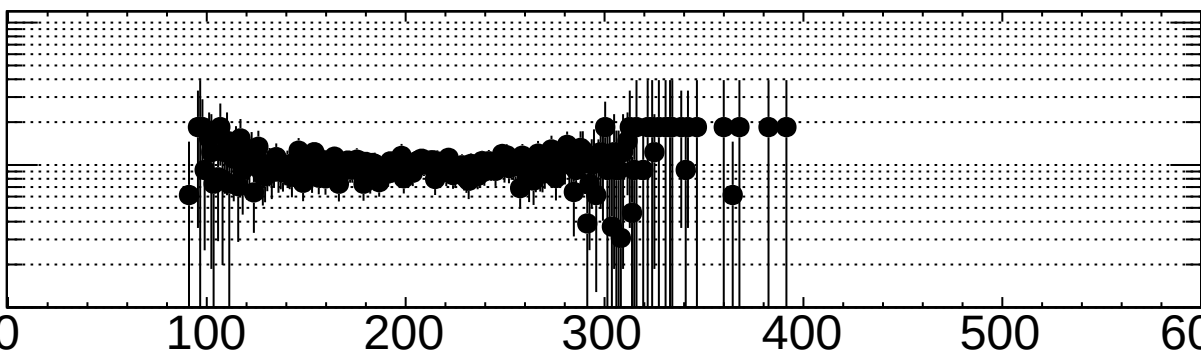
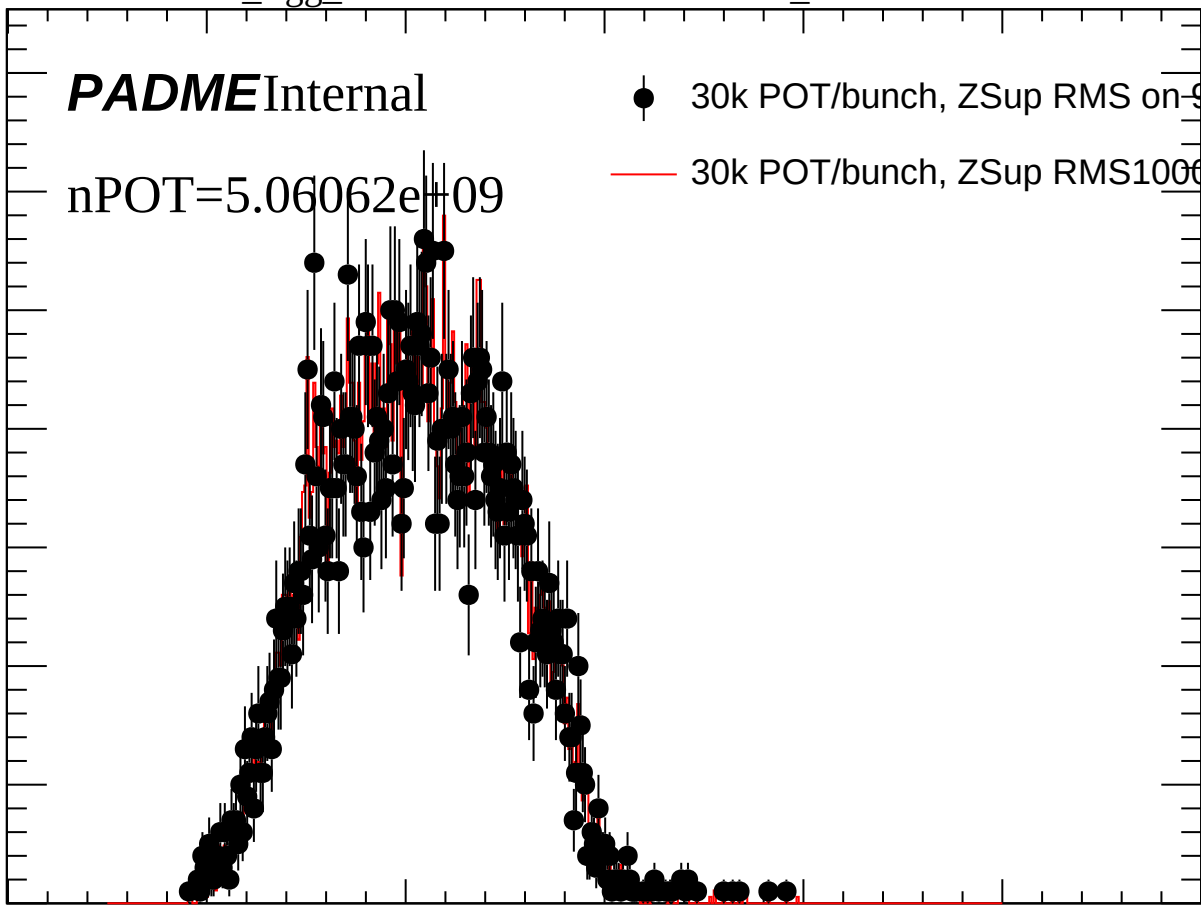
300

400

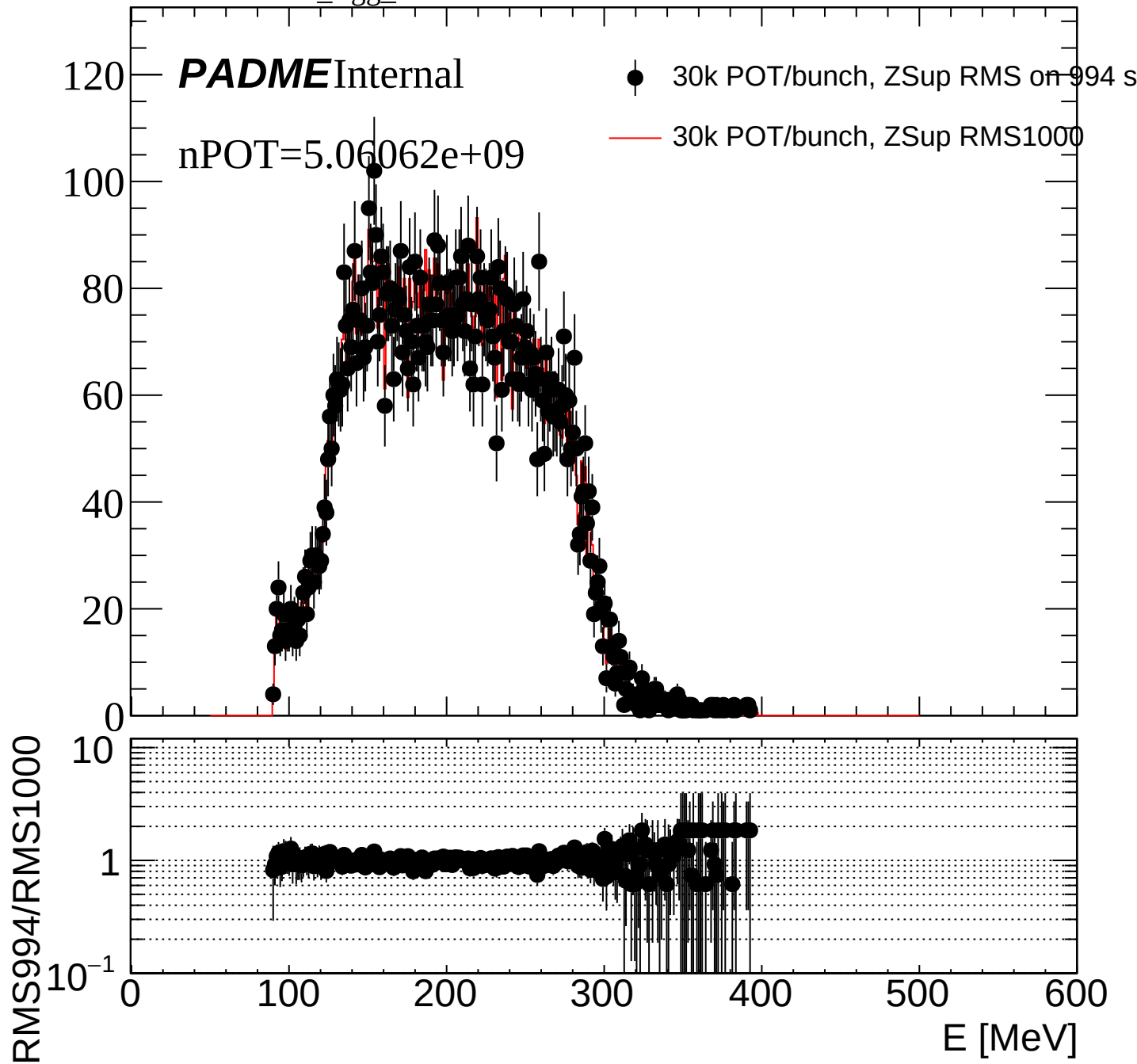
500

600

E [MeV]



ECAL_Egg_10ns3CoGEThr90



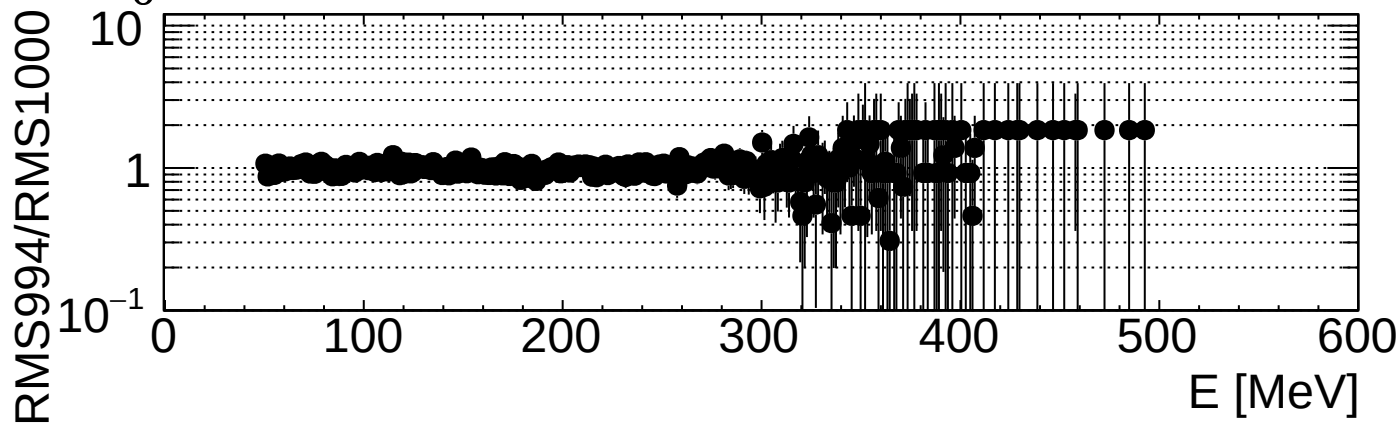
ECAL_Egg_10ns5CoG

PADME Internal

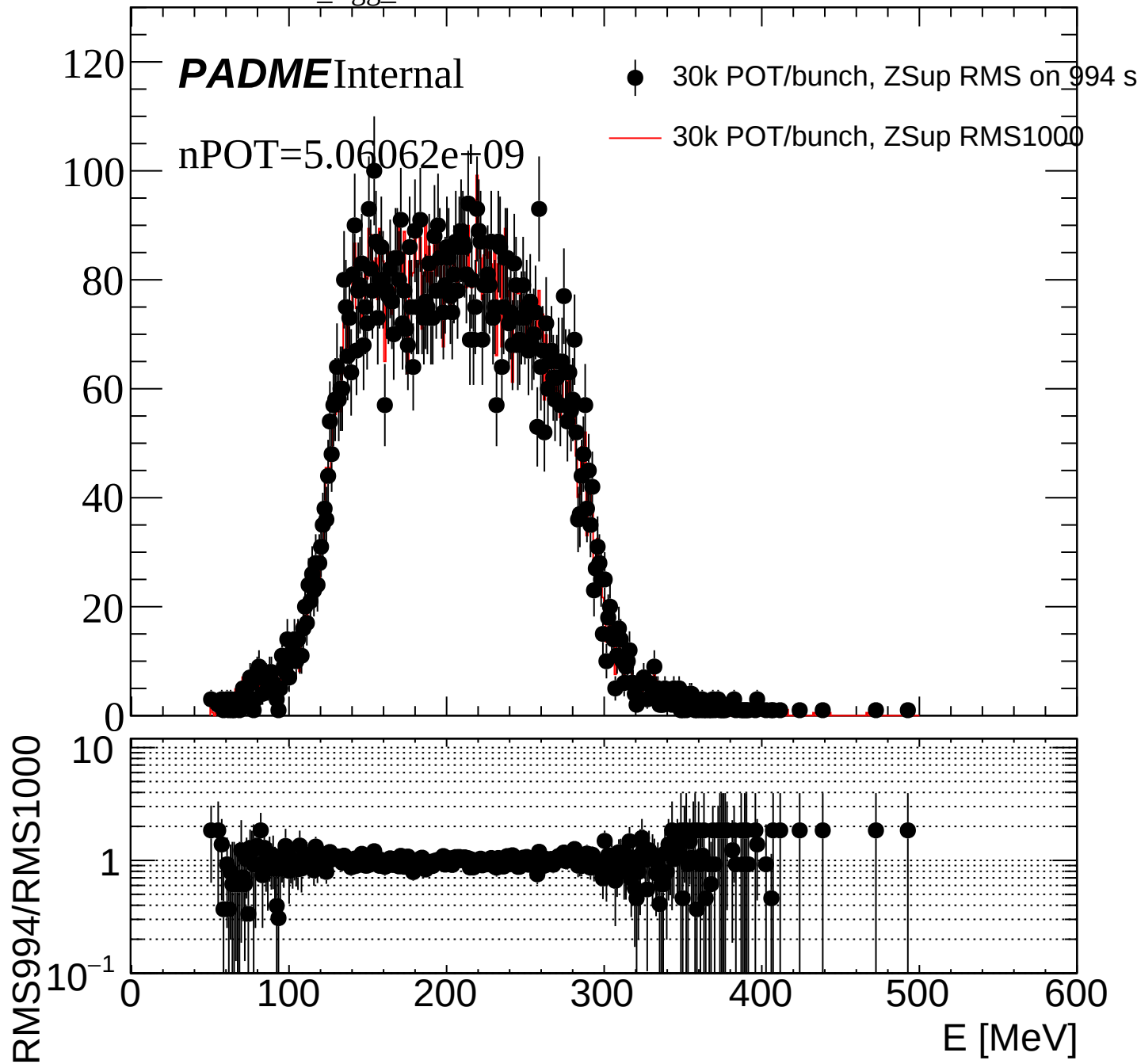
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

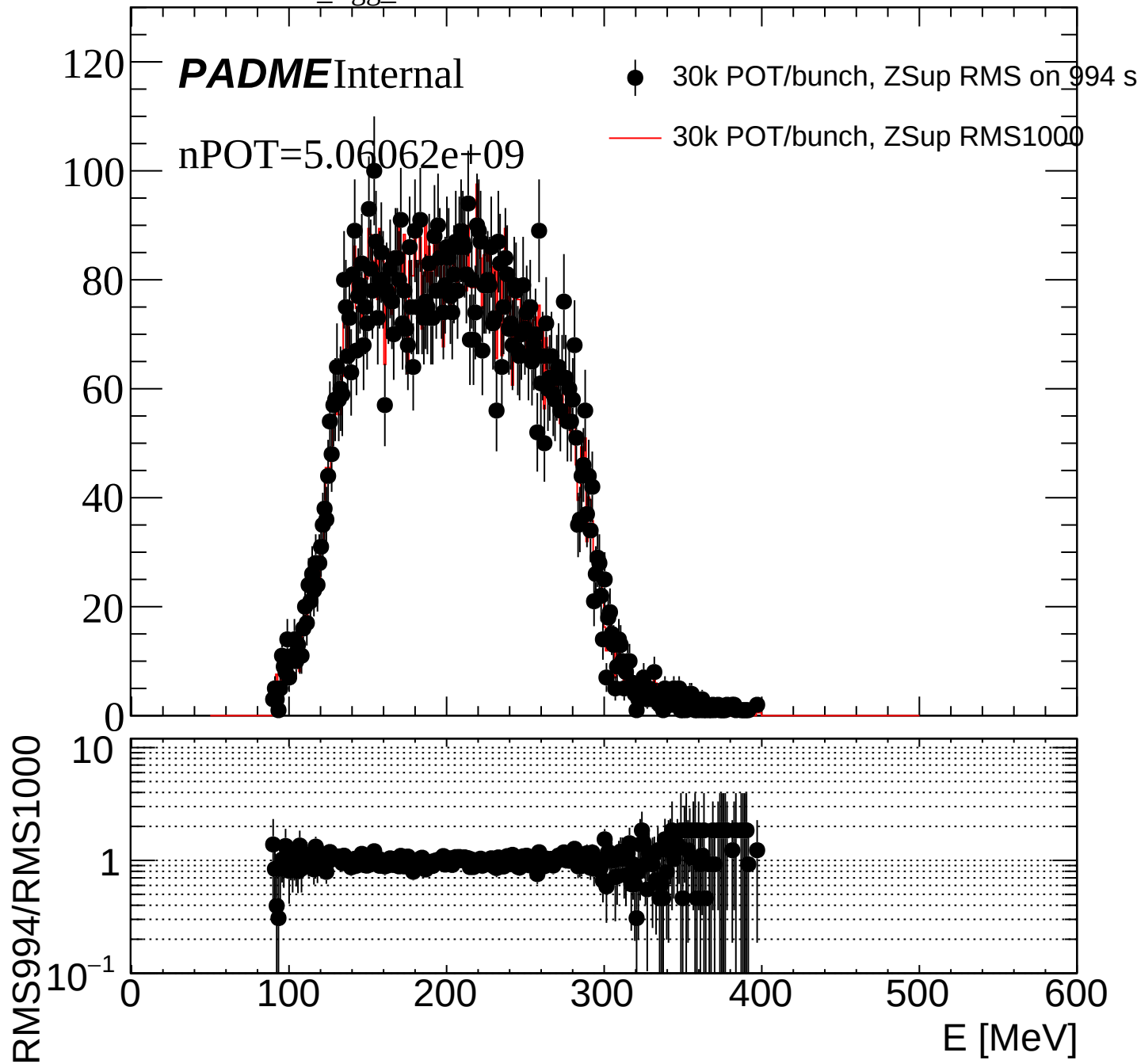
— 30k POT/bunch, ZSup RMS1000

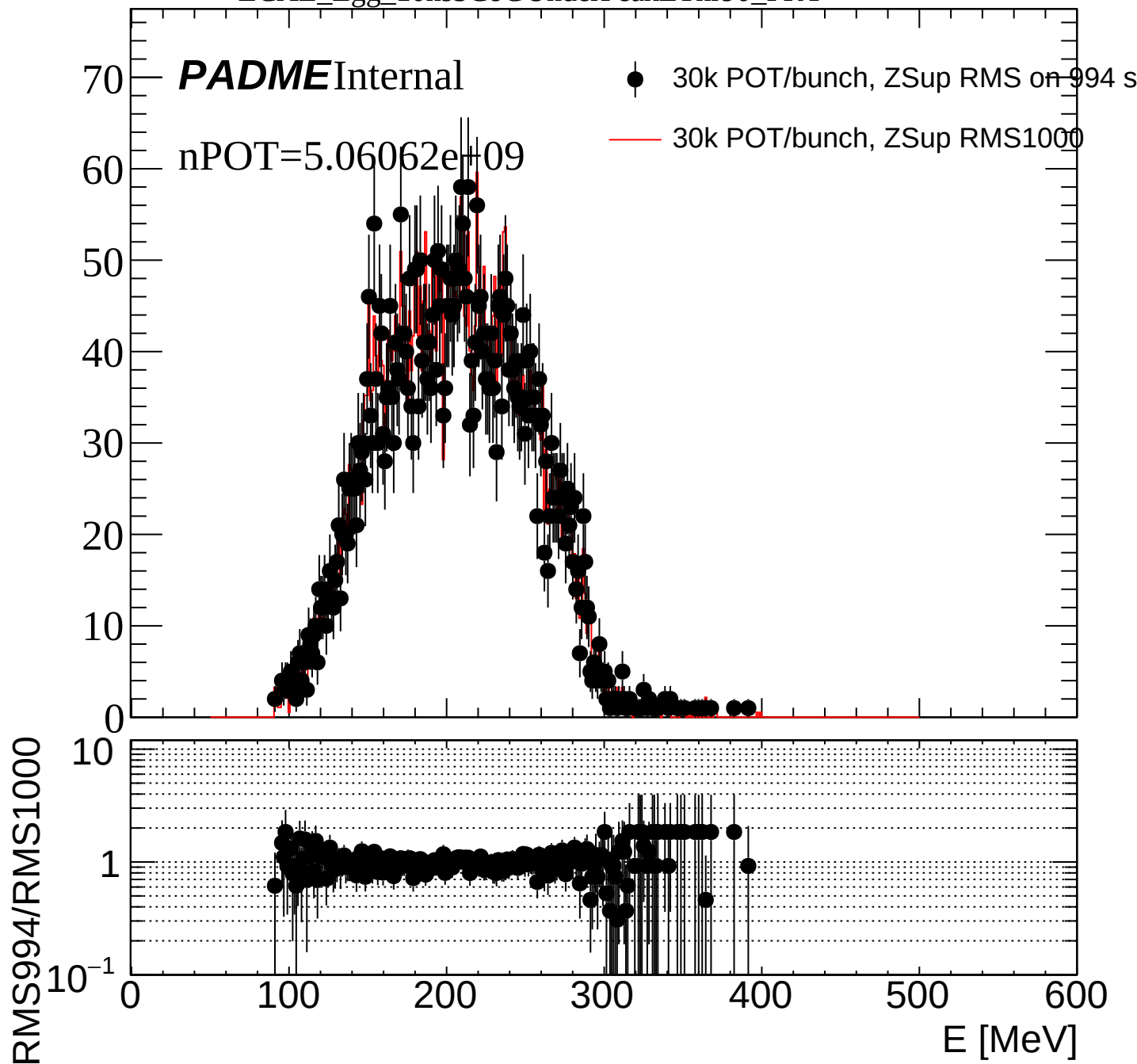


ECAL_Egg_10ns5CoGUnderPeak



ECAL_Egg_10ns5CoGUnderPeakEThr90





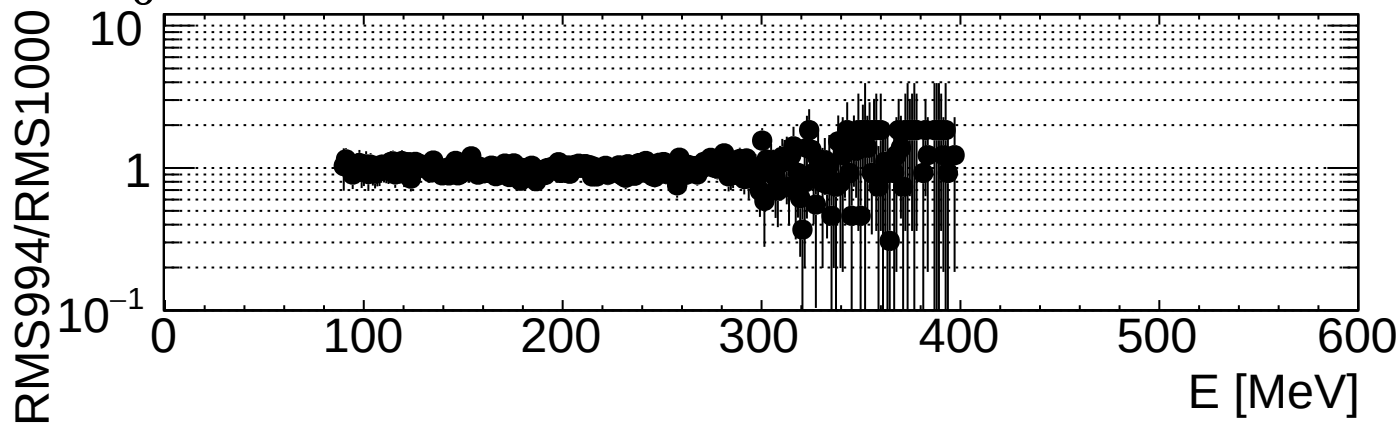
ECAL_Egg_10ns5CoGEThr90

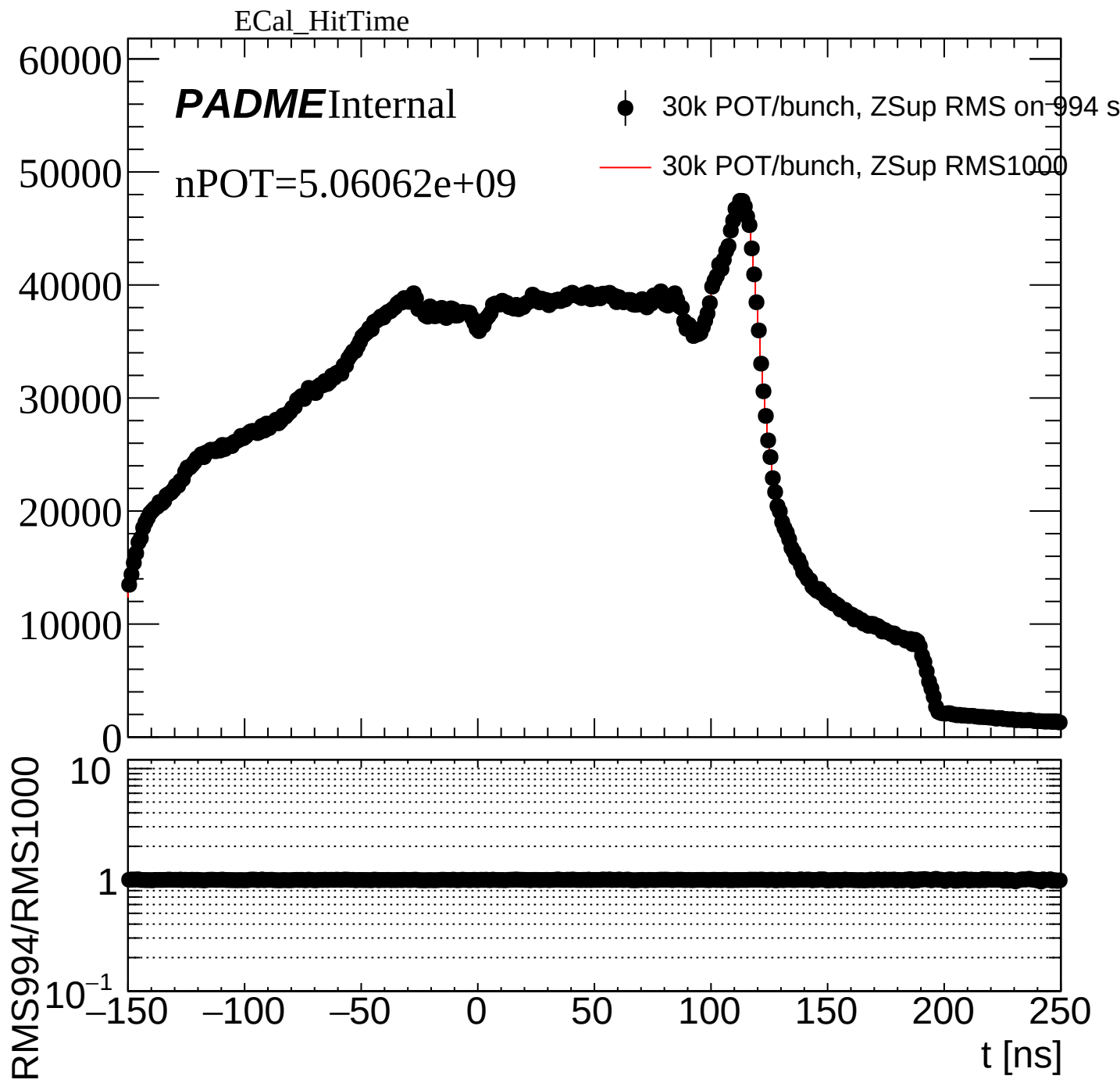
PADME Internal

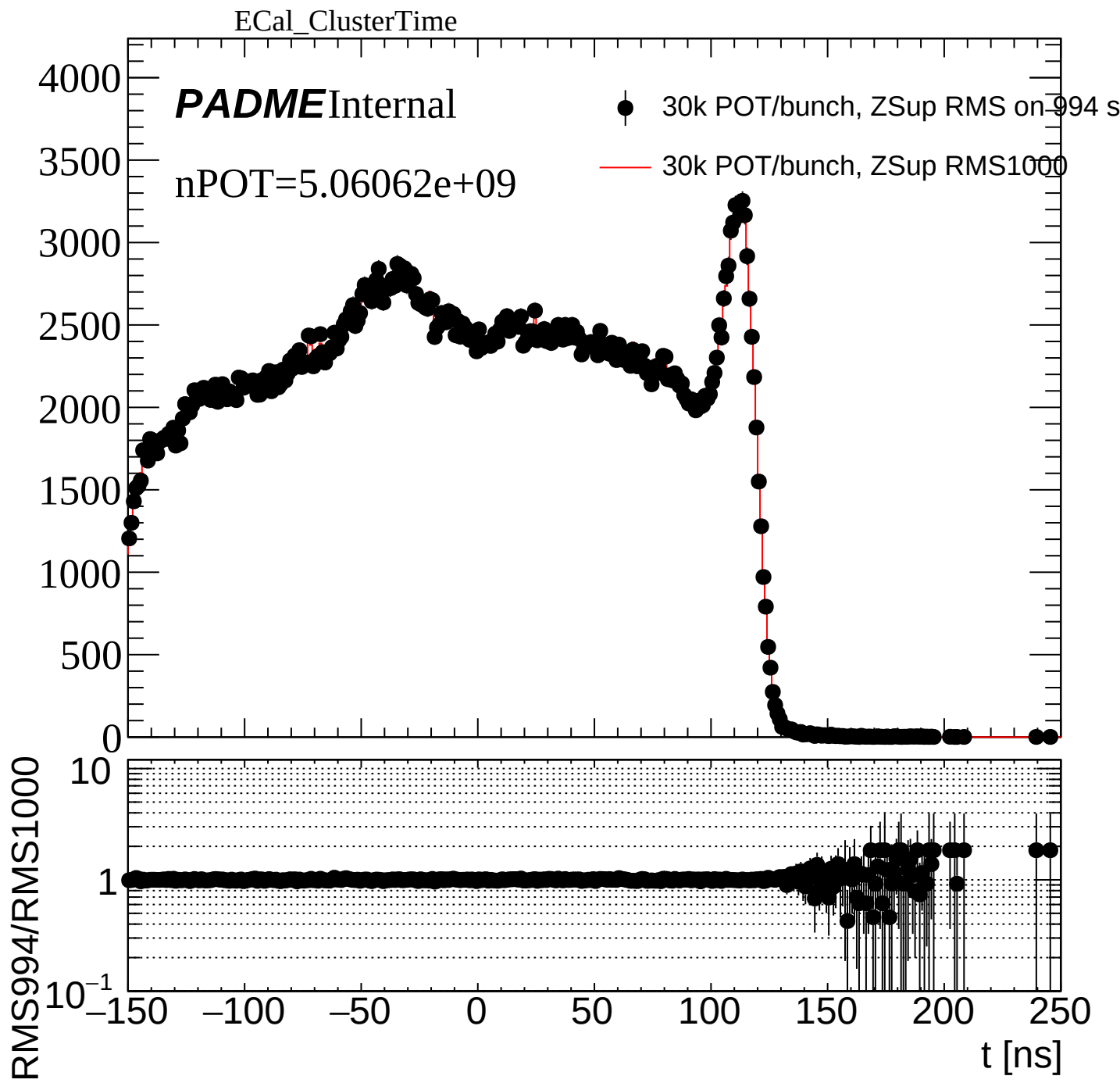
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000







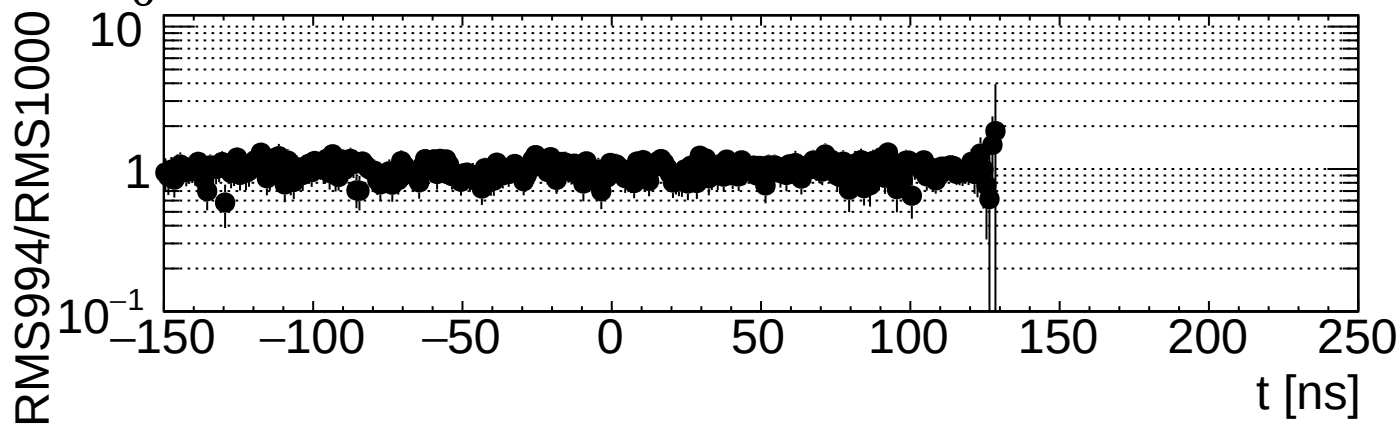
ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

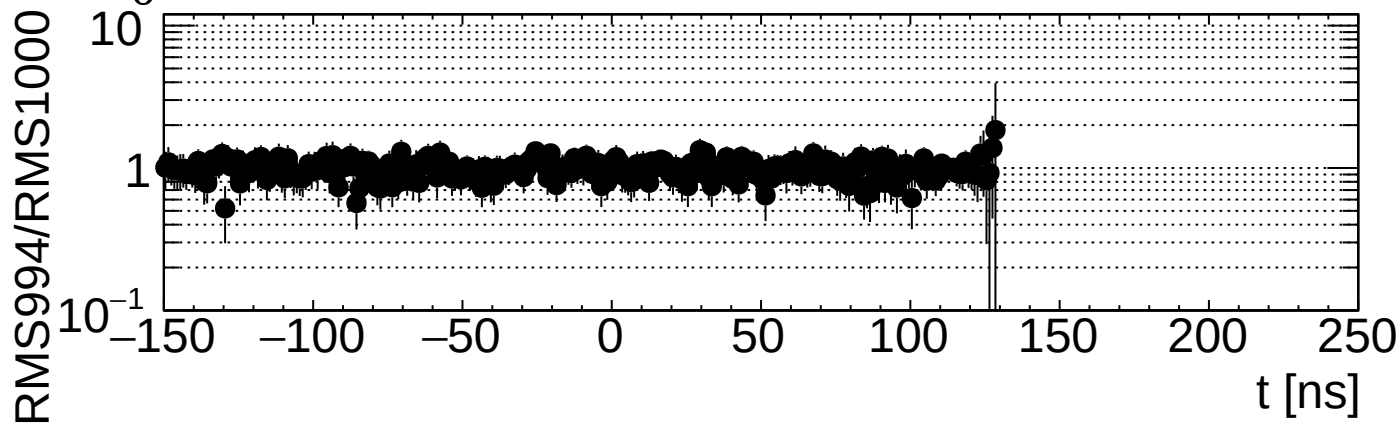
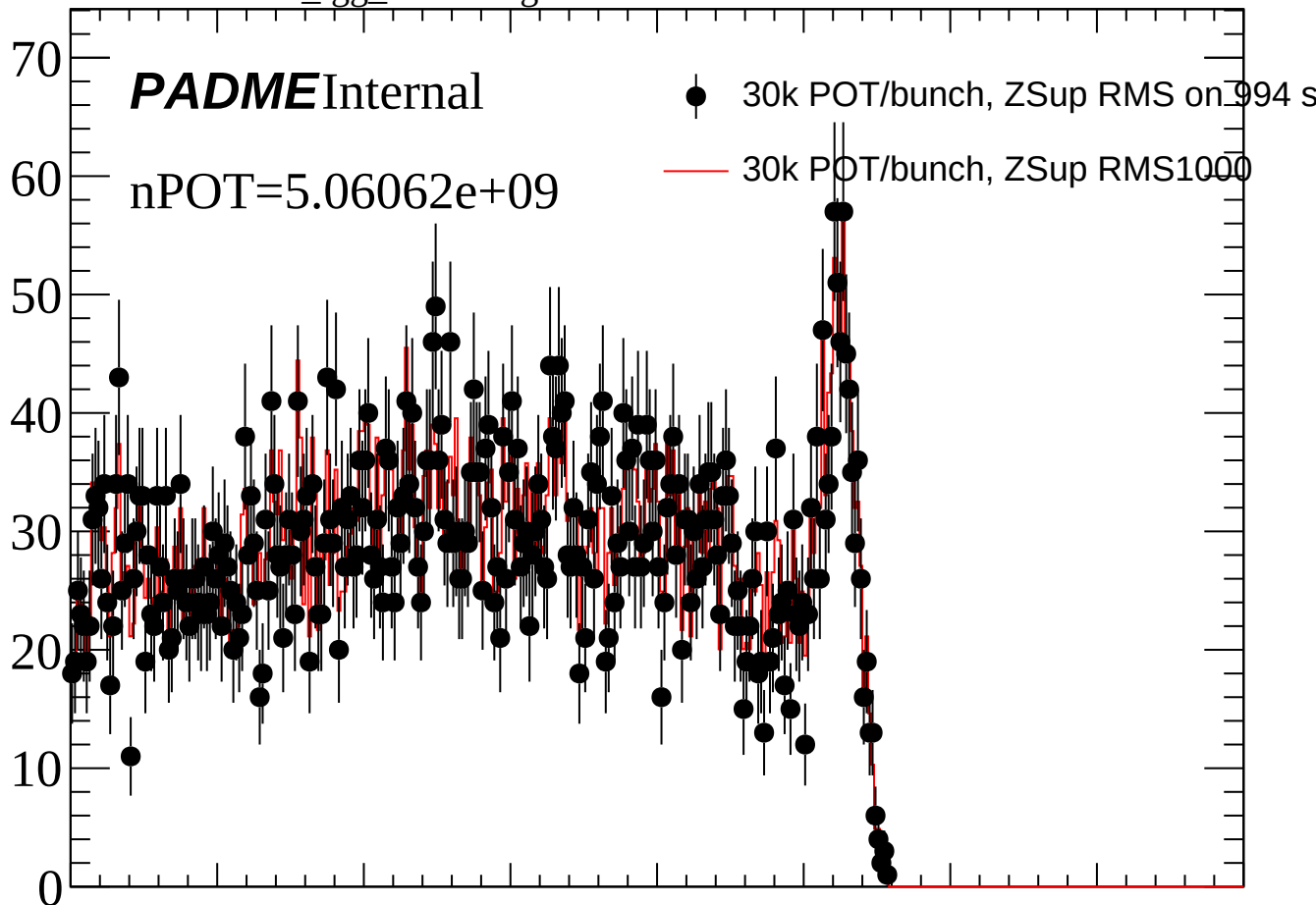
nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90



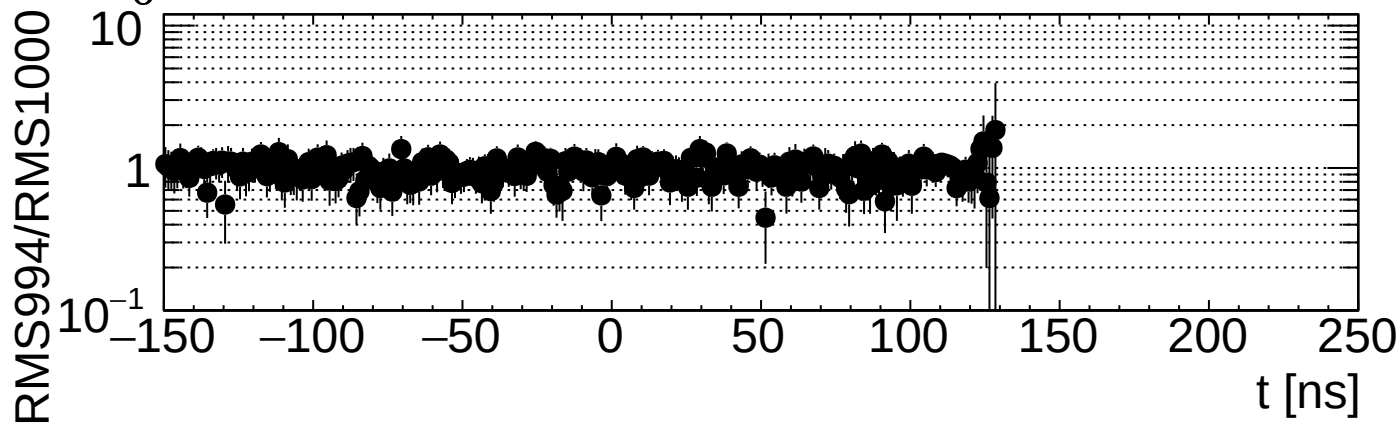
ECAL_tgg_10ns1CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



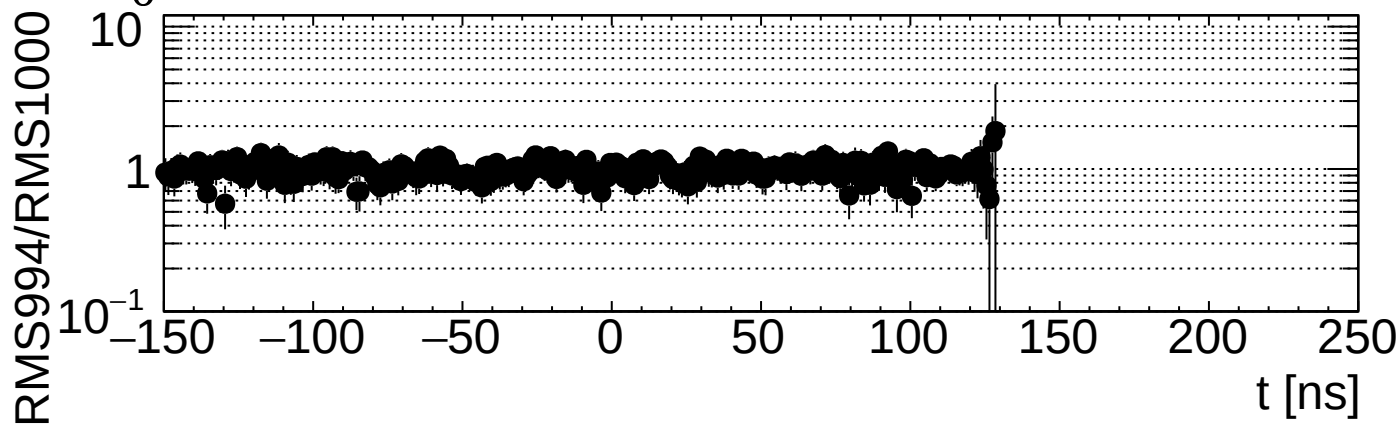
ECAL_tgg_10ns3CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



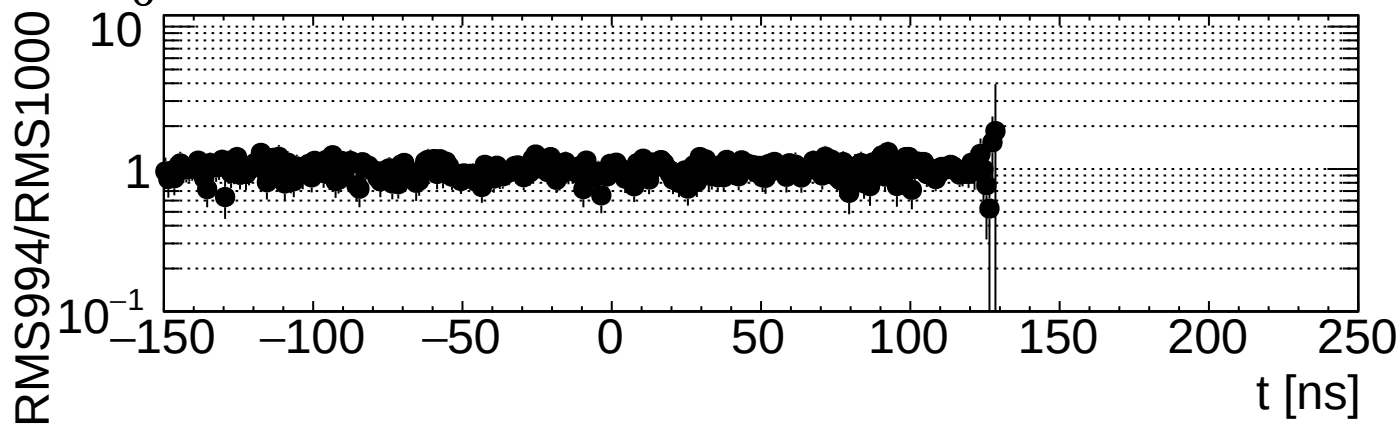
ECAL_tgg_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECal_xCoG_10ns

600

PADMEInternal

● 30k POT/bunch, ZSup RMS on 994 s

500

nPOT=5.06062e+09

— 30k POT/bunch, ZSup RMS1000

400

300

200

100

0

RMS994/RMS1000

10

1

10⁻¹

-300

-200

-100

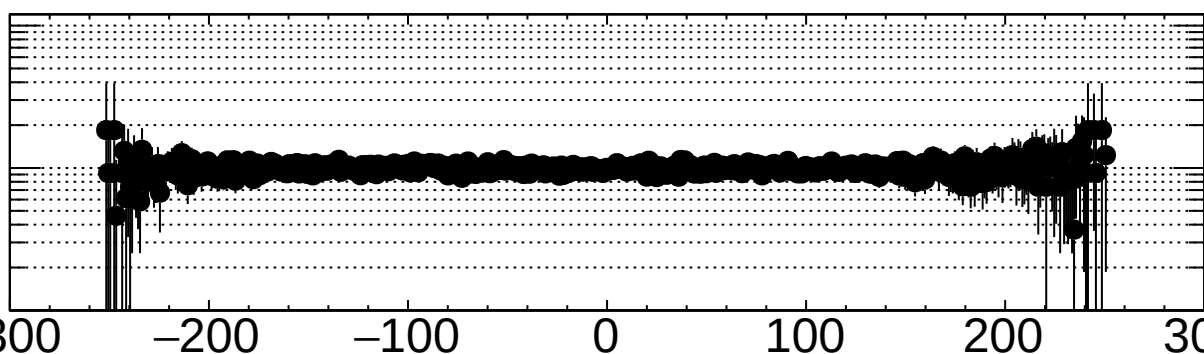
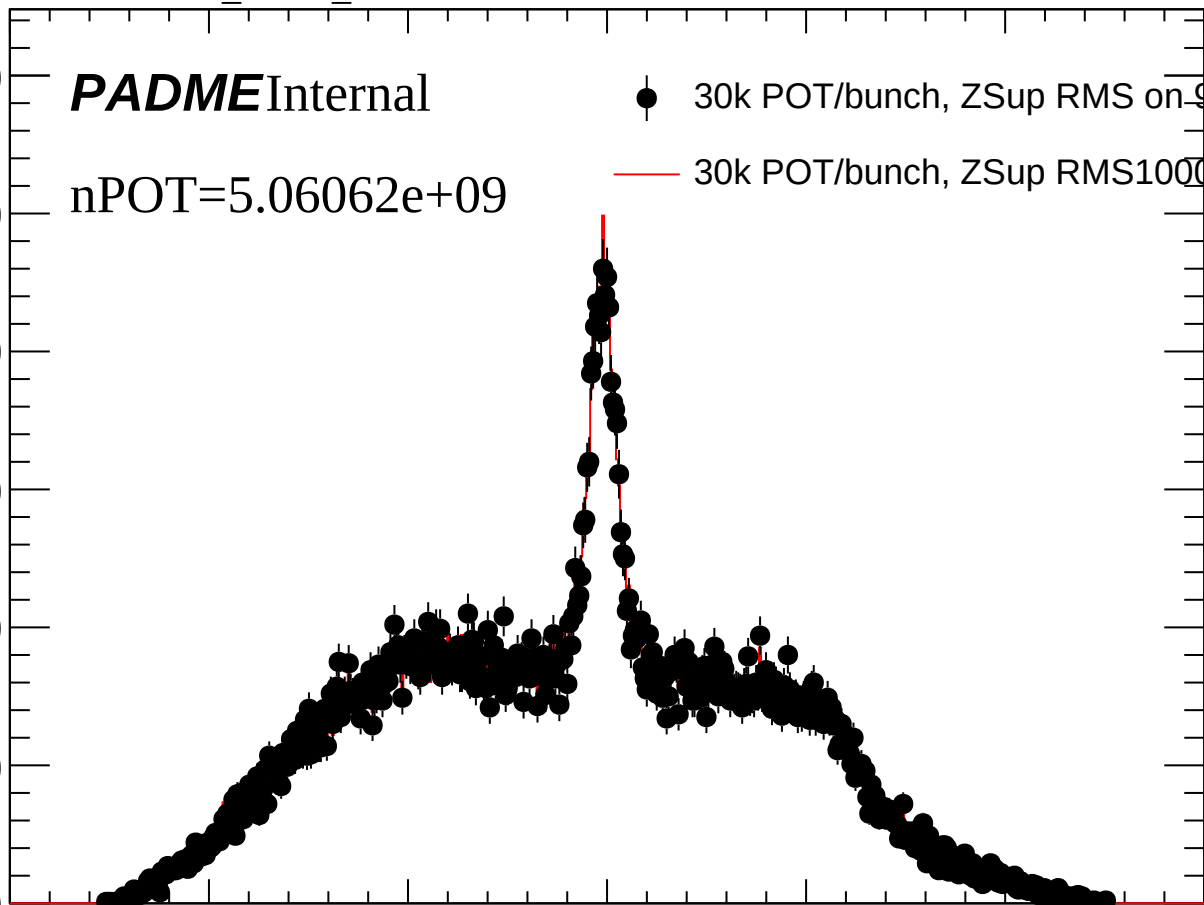
0

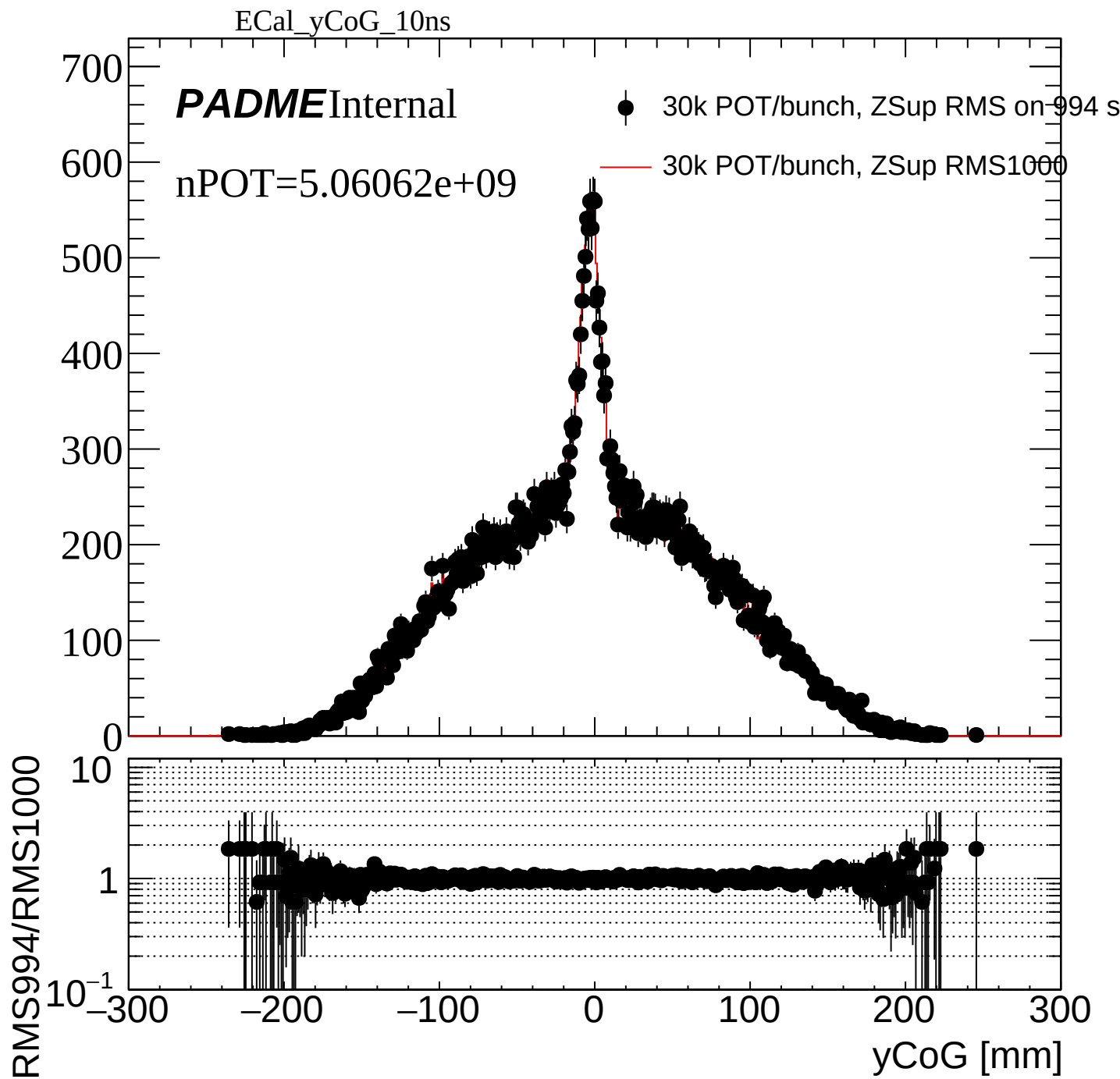
100

200

300

xCoG [mm]





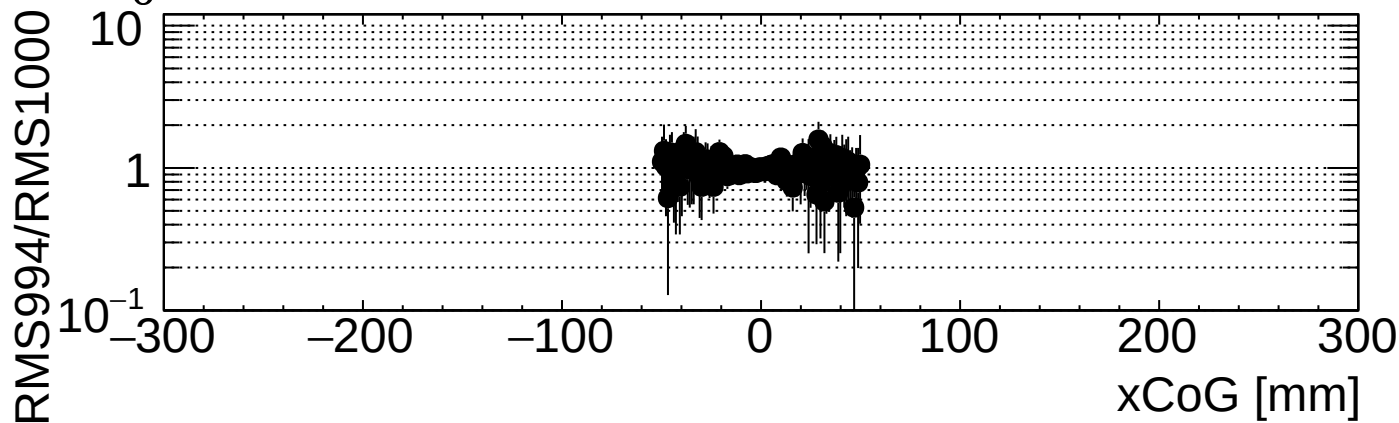
ECAL_xCoGgg_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



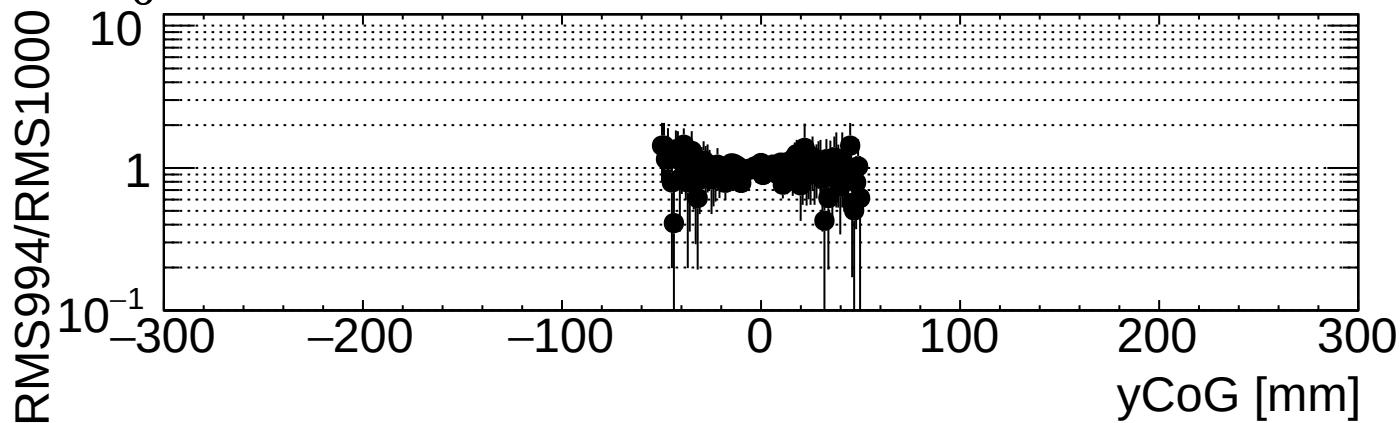
ECAL_yCoGgg_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



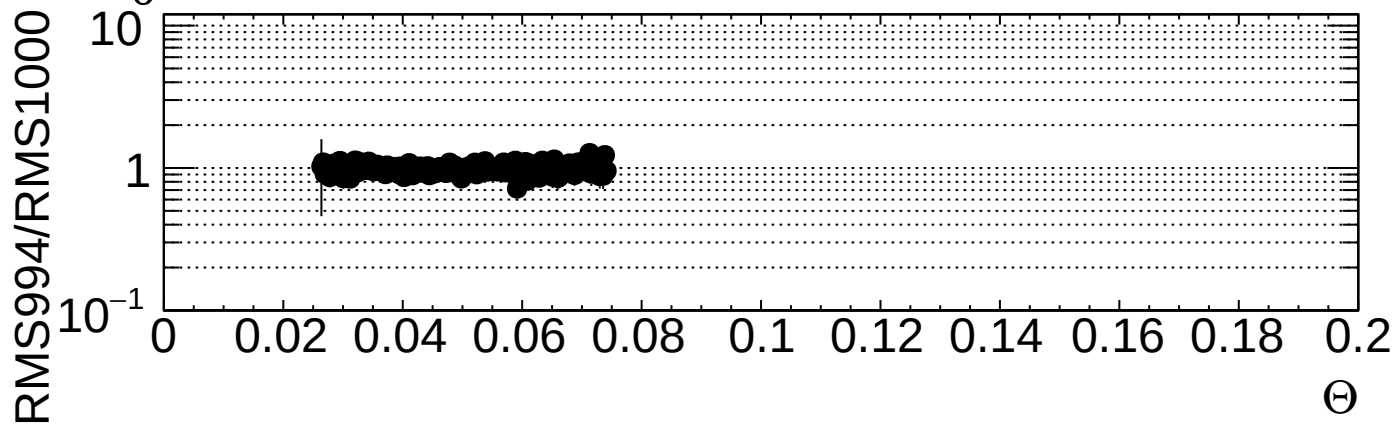
ECAL_Theta_10nsUnderPeakEThr90

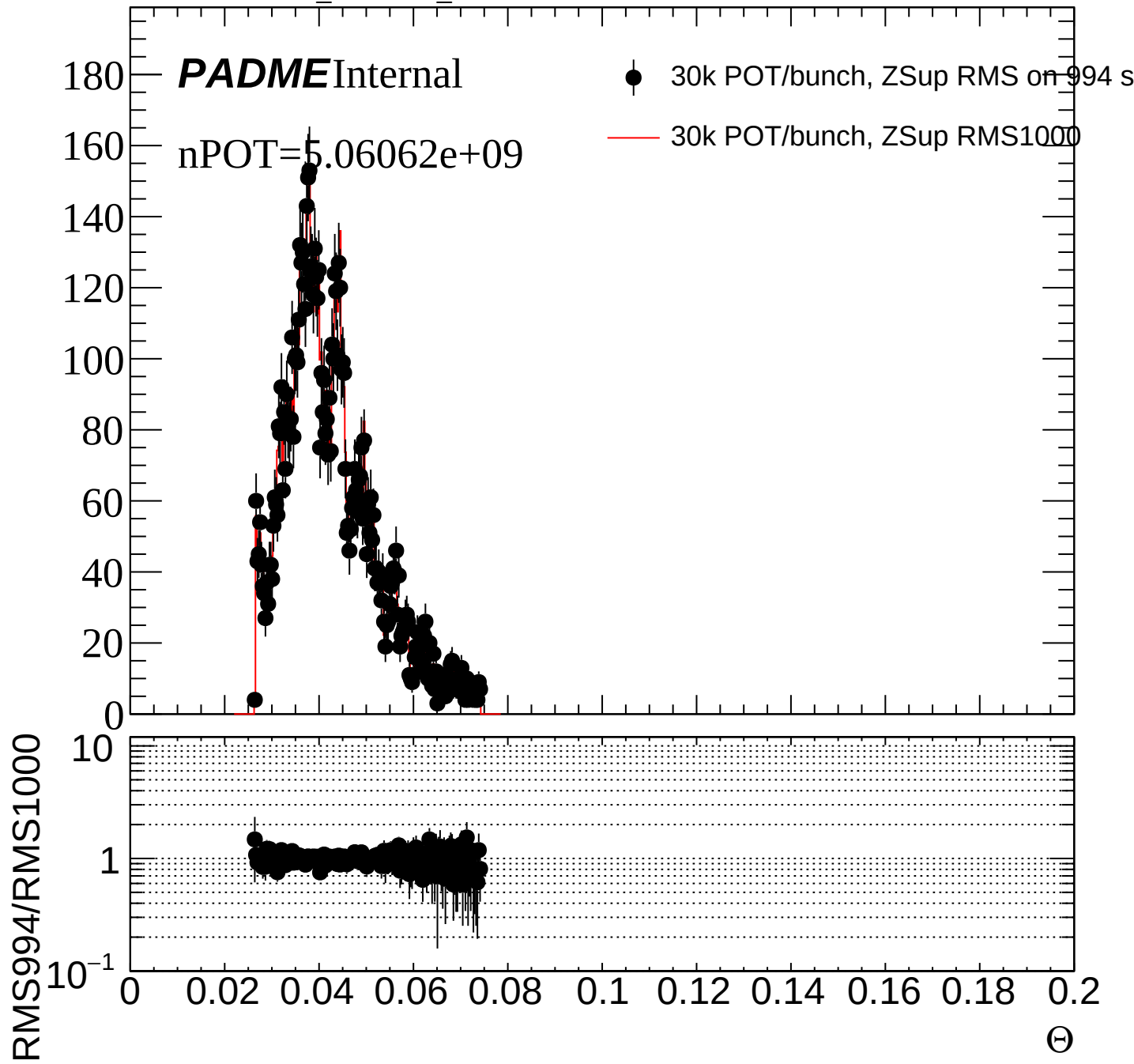
PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000





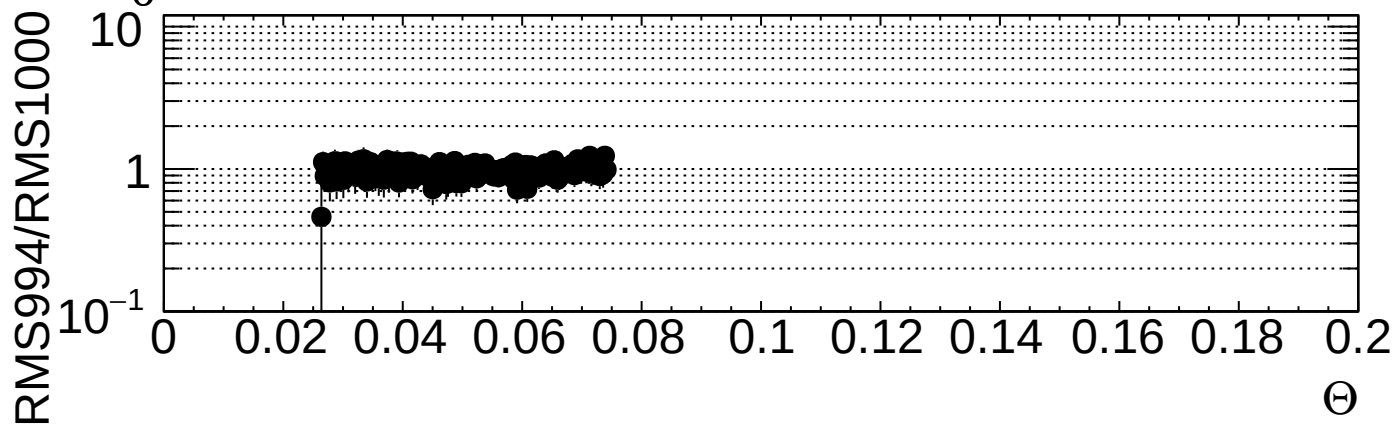
ECAL_ThetaG2_10nsUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



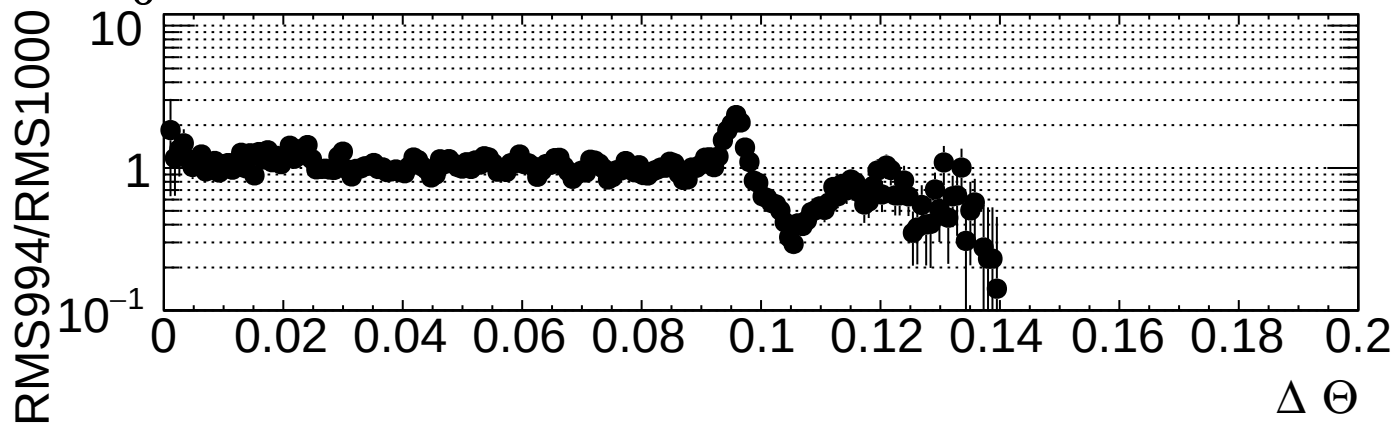
ECAL_DeltaTheta_10ns

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_DeltaTheta_10nsDeltaPhi20

500

PADMEInternal

● 30k POT/bunch, ZSup RMS on 994 s

400

nPOT=5.06062e+09

— 30k POT/bunch, ZSup RMS1000

300

200

100

0

RMS994/RMS1000

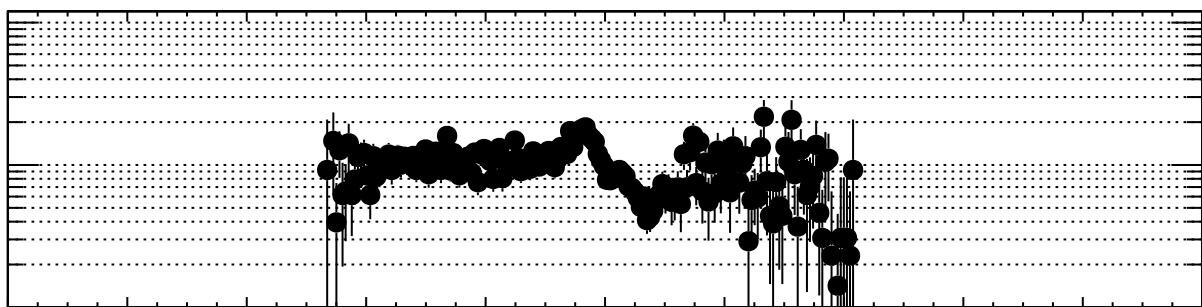
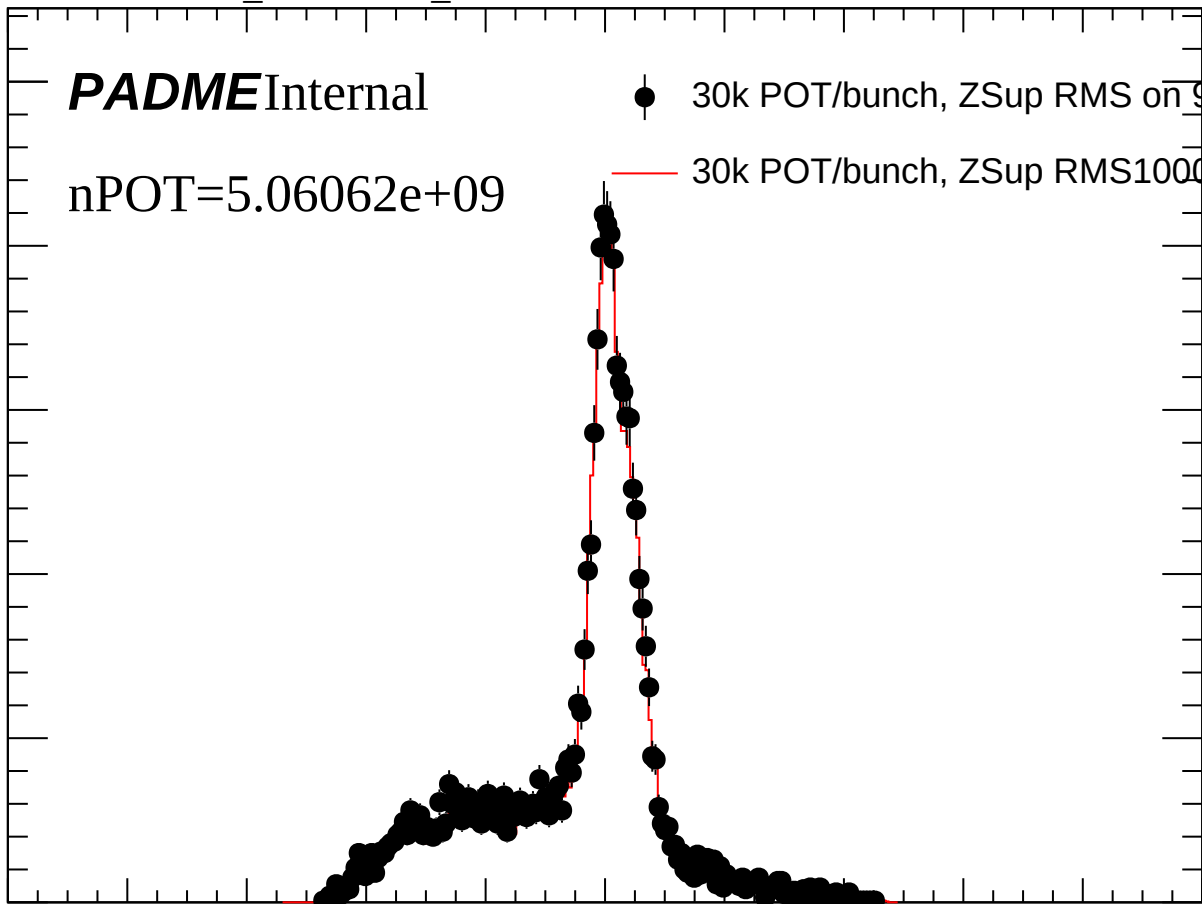
10

1

10^{-1}

0 0.02 0.04 0.06 0.08 0.1 0.12 0.14 0.16 0.18 0.2

$\Delta \Theta$



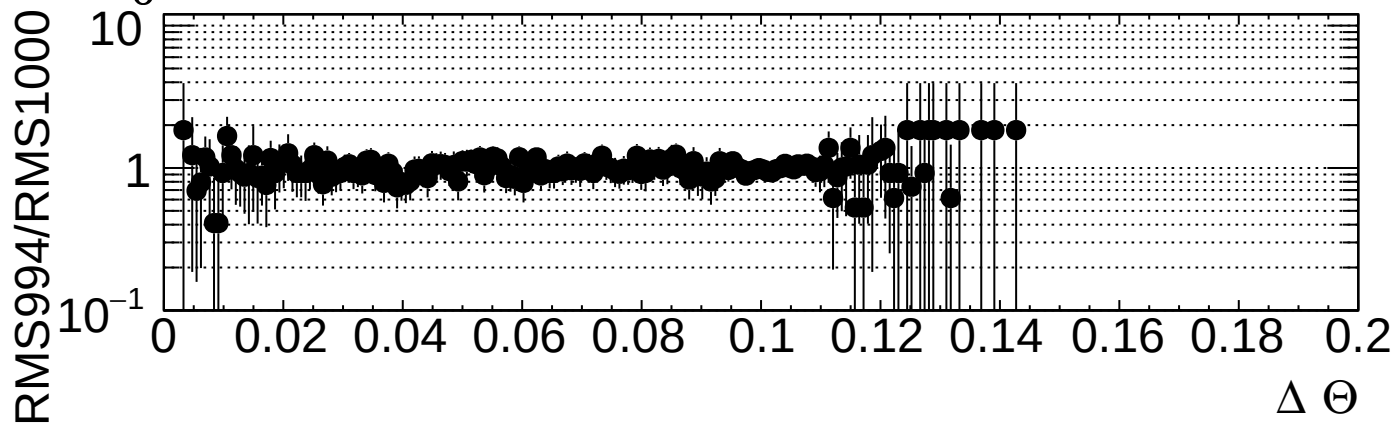
ECAL_DeltaTheta_10nsUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



ECAL_Phi_10ns

2000

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000

1800

1600

1400

1200

1000

800

600

400

200

0

RMS994/RMS1000

10

1

10^{-1}

-4

-3

-2

-1

0

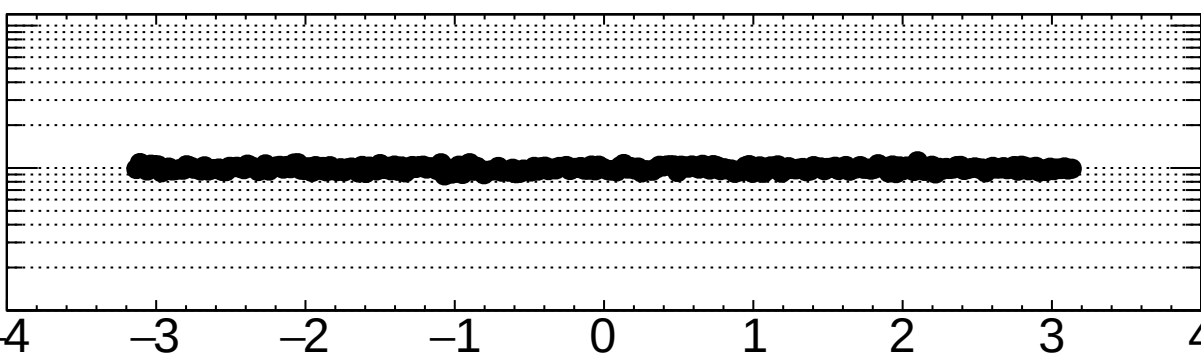
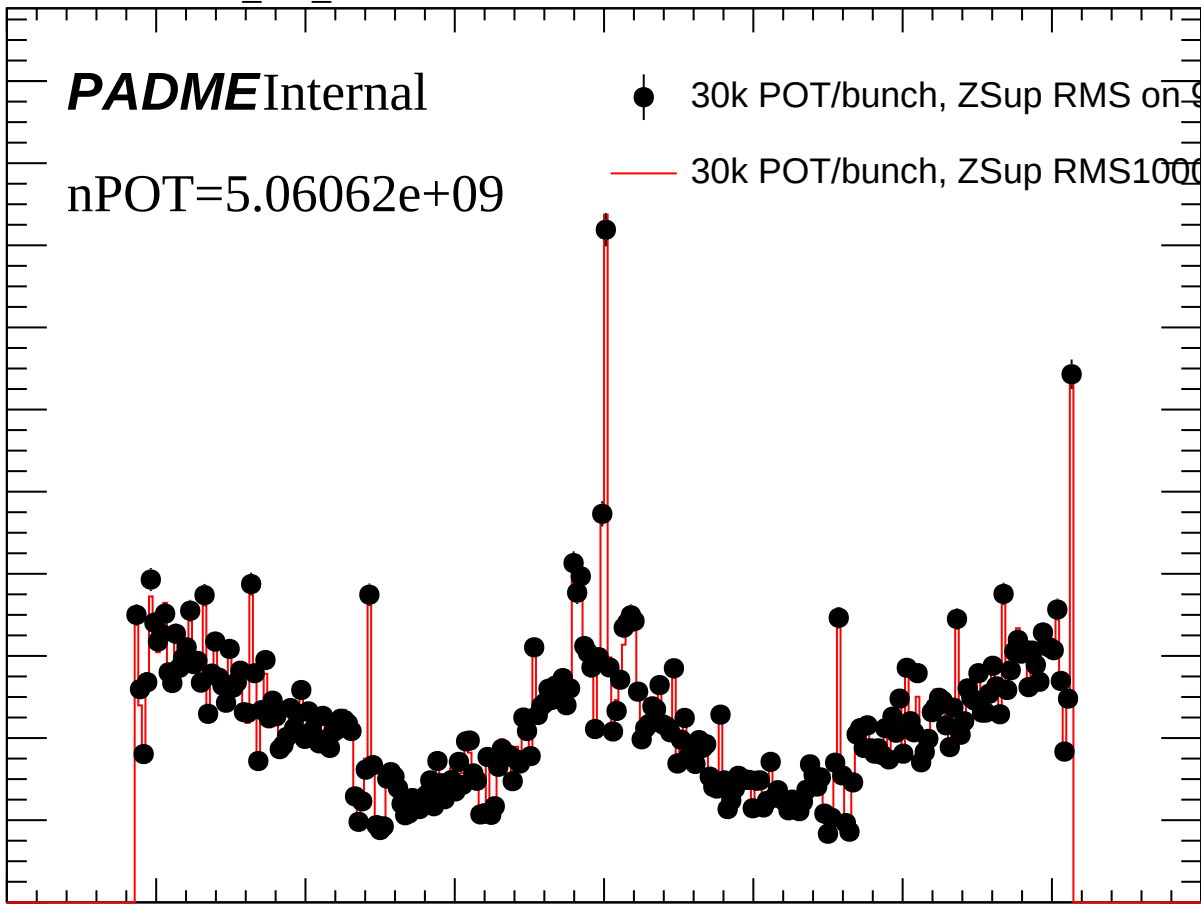
1

2

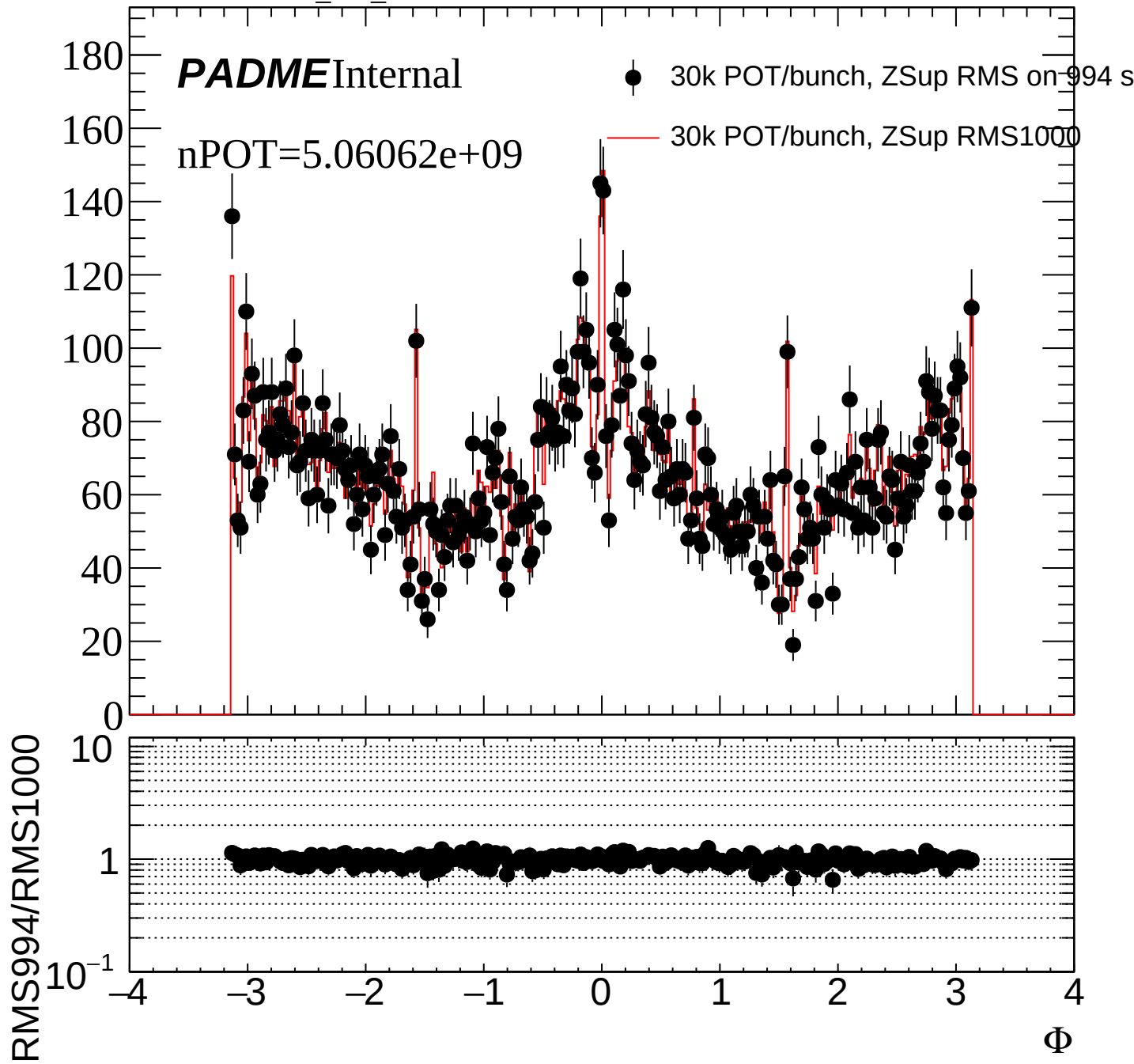
3

4

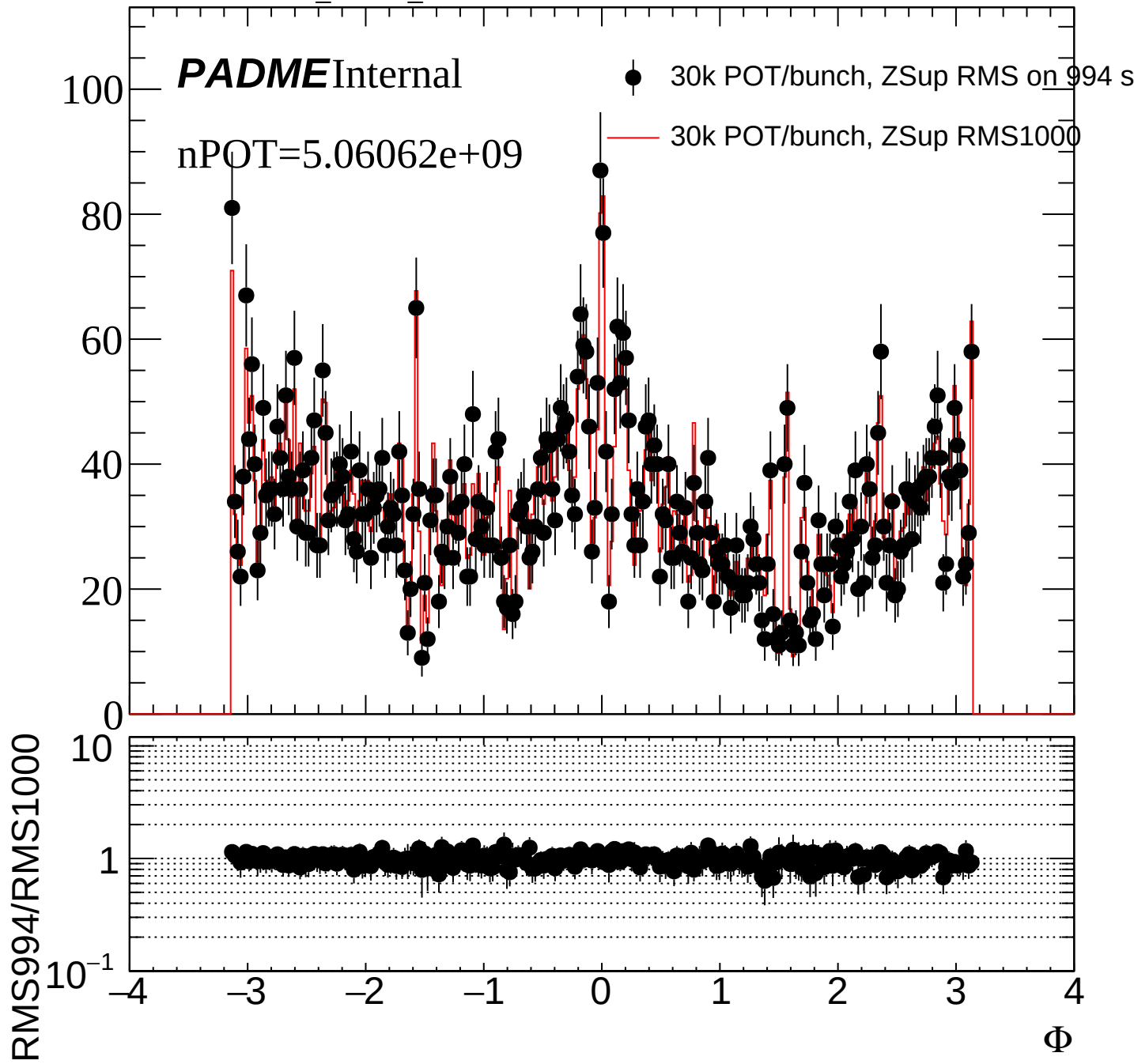
Φ



ECAL_Phi_10nsUnderPeakEThr90



ECAL_PhiG1_10nsUnderPeakEThr90



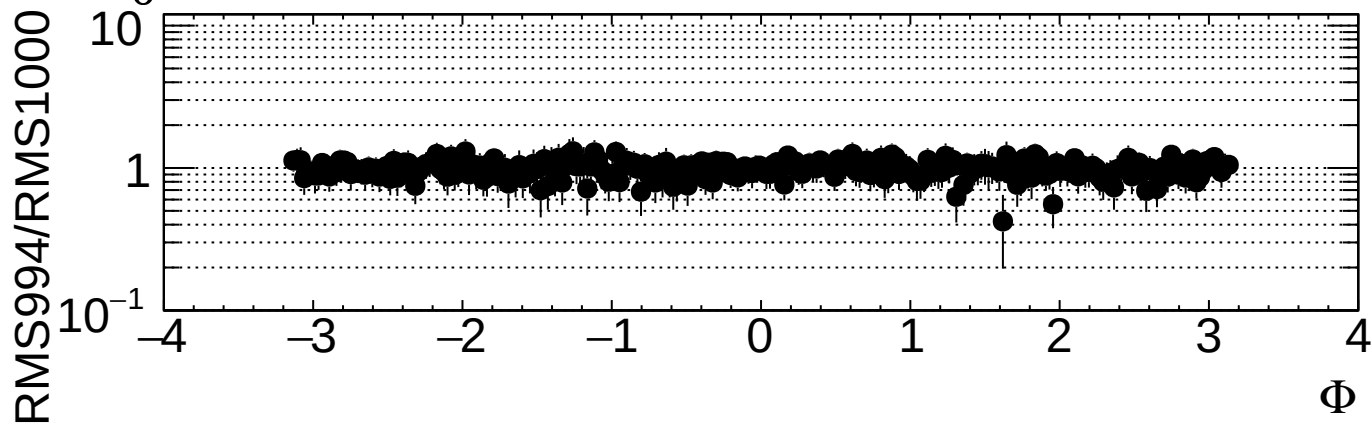
ECAL_PhiG2_10nsUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



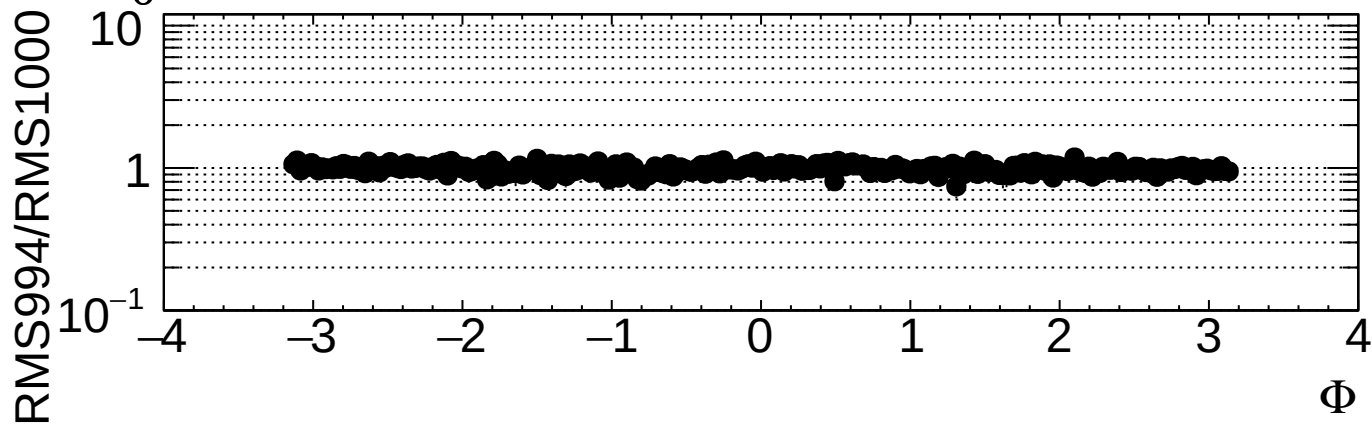
ECAL_Phi_10nsDeltaTheta

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



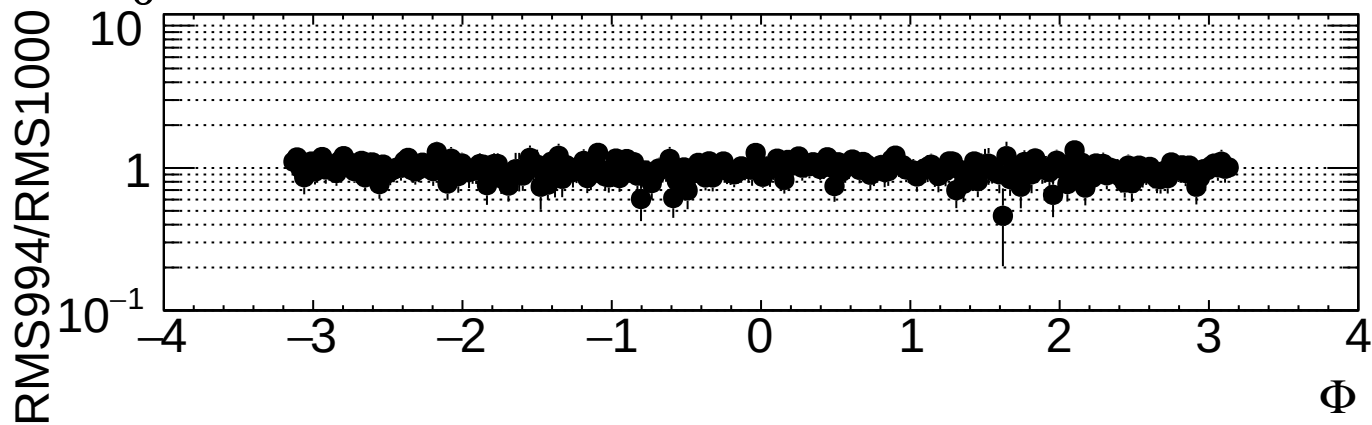
ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=5.06062e+09

● 30k POT/bunch, ZSup RMS on 994 s

— 30k POT/bunch, ZSup RMS1000



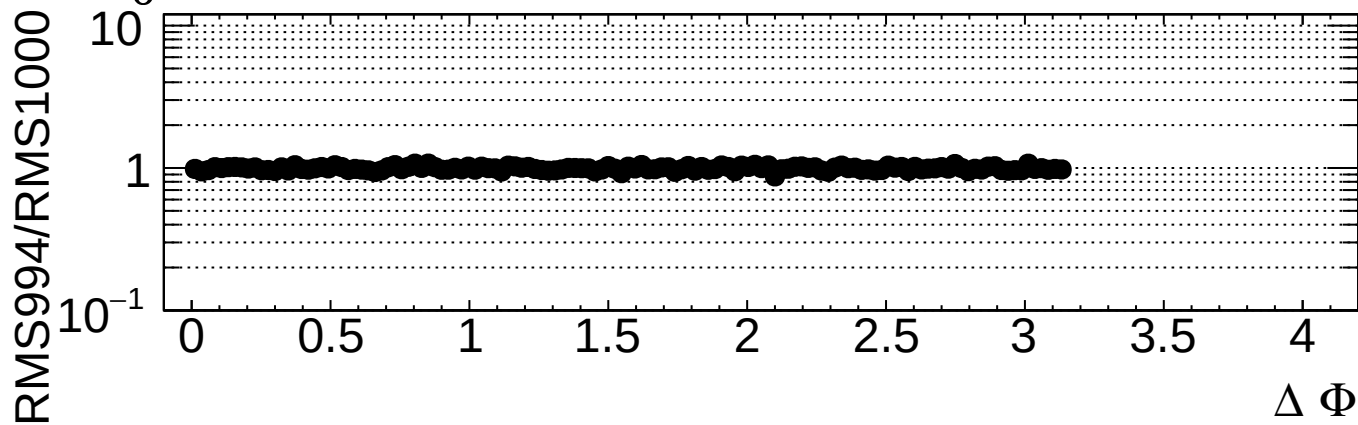
ECAL_DeltaPhi_10ns

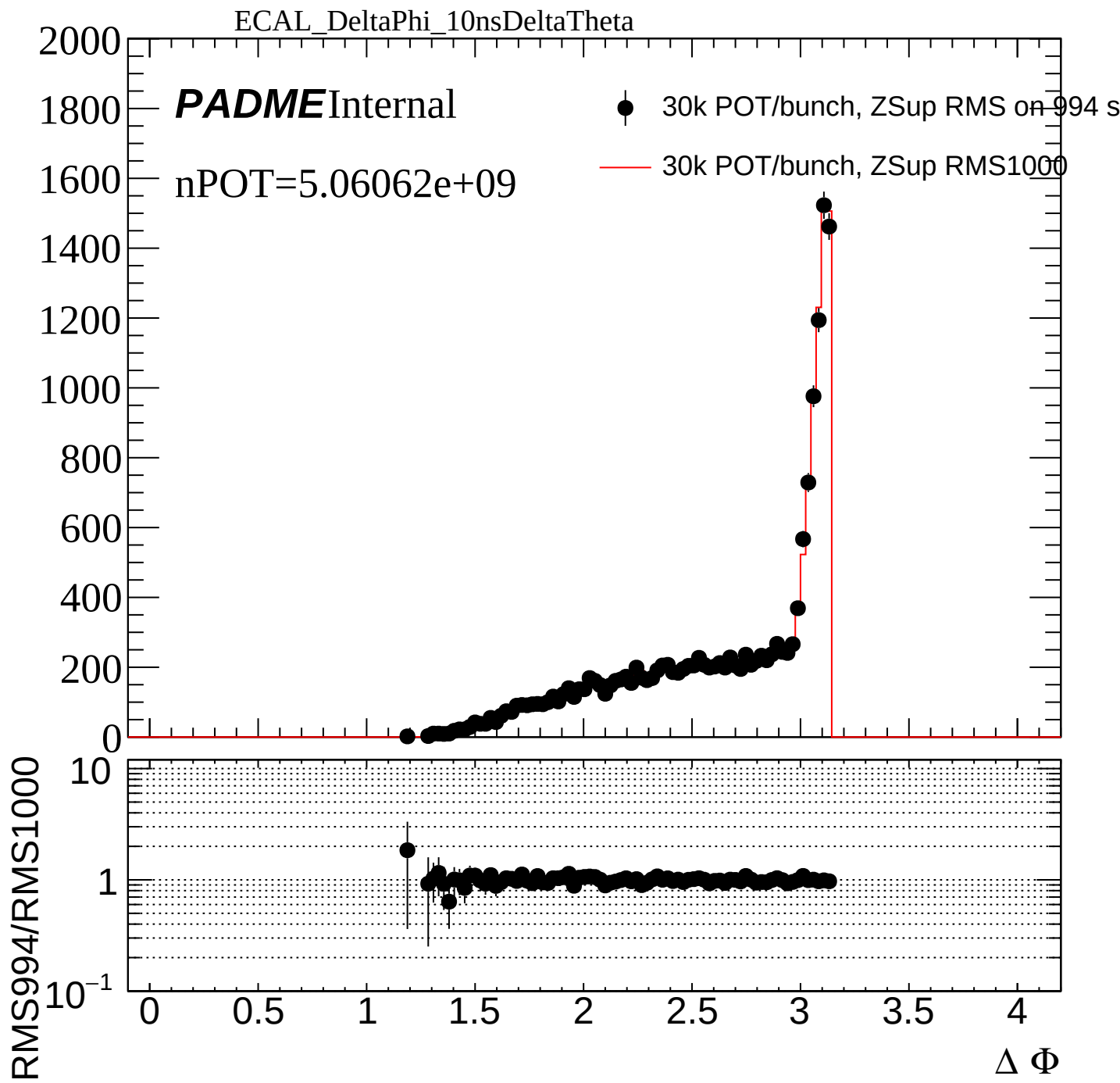
PADMEInternal

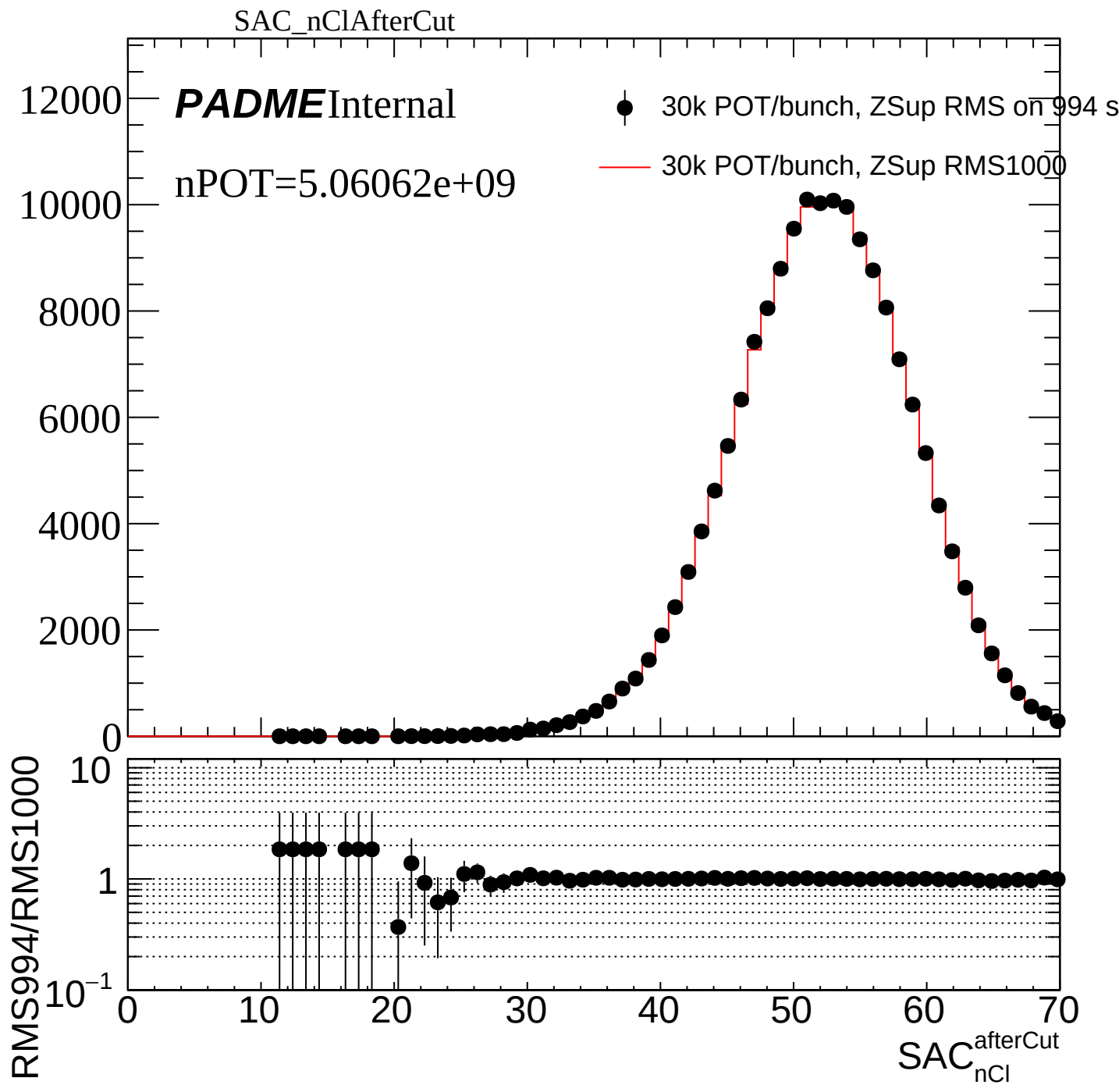
nPOT=5.06062e+09

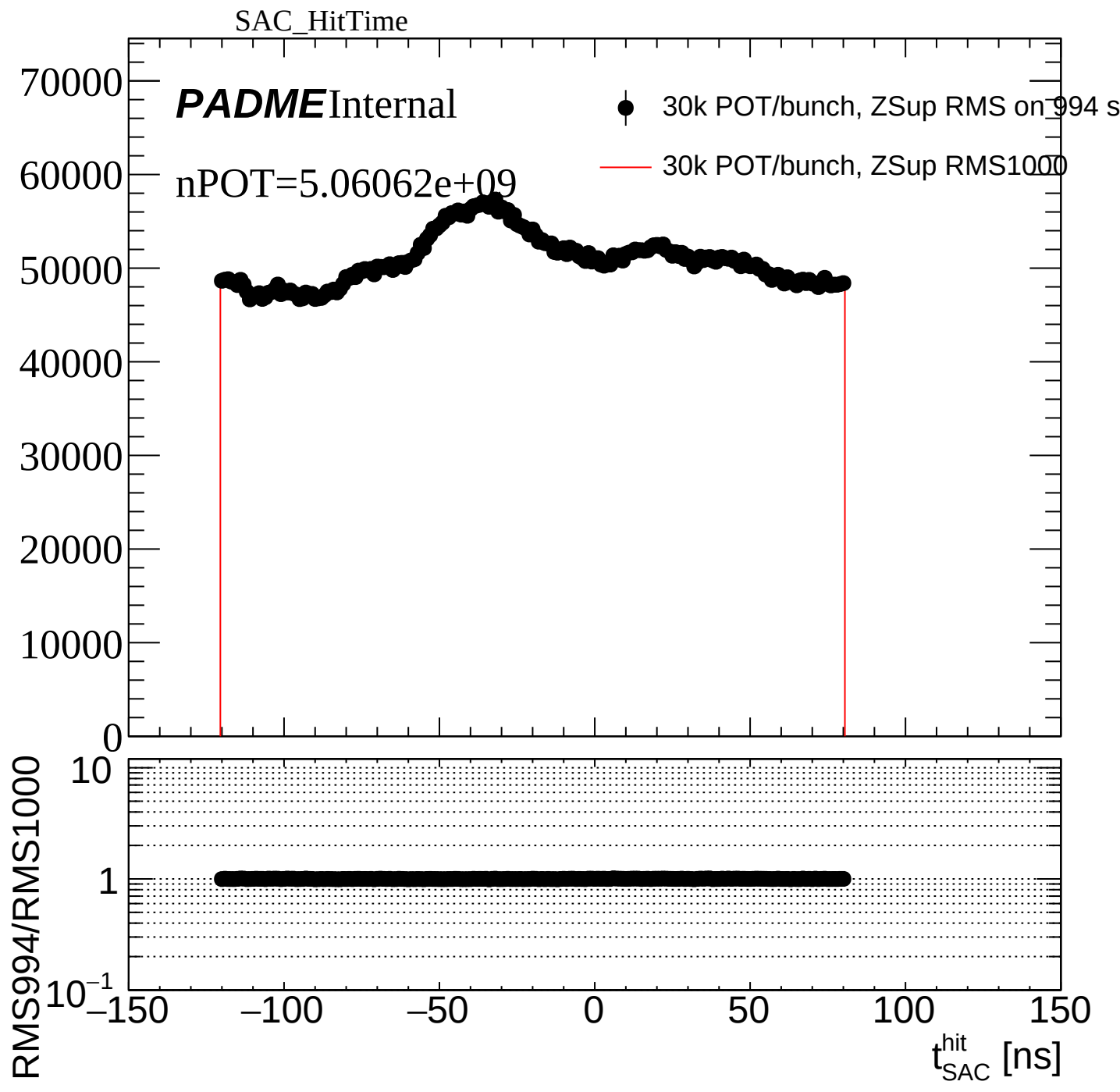
● 30k POT/bunch, ZSup RMS on 994 s

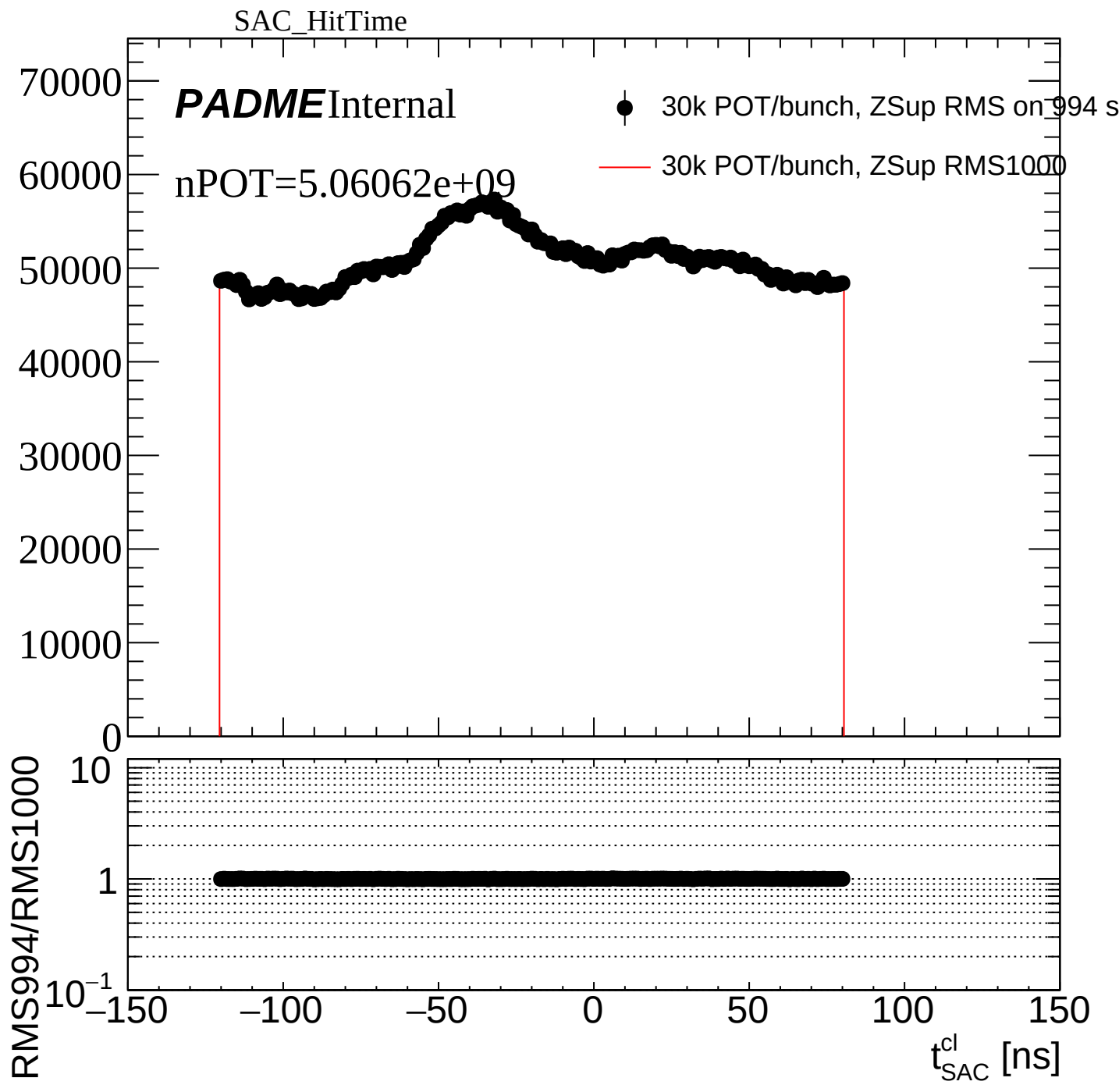
— 30k POT/bunch, ZSup RMS1000

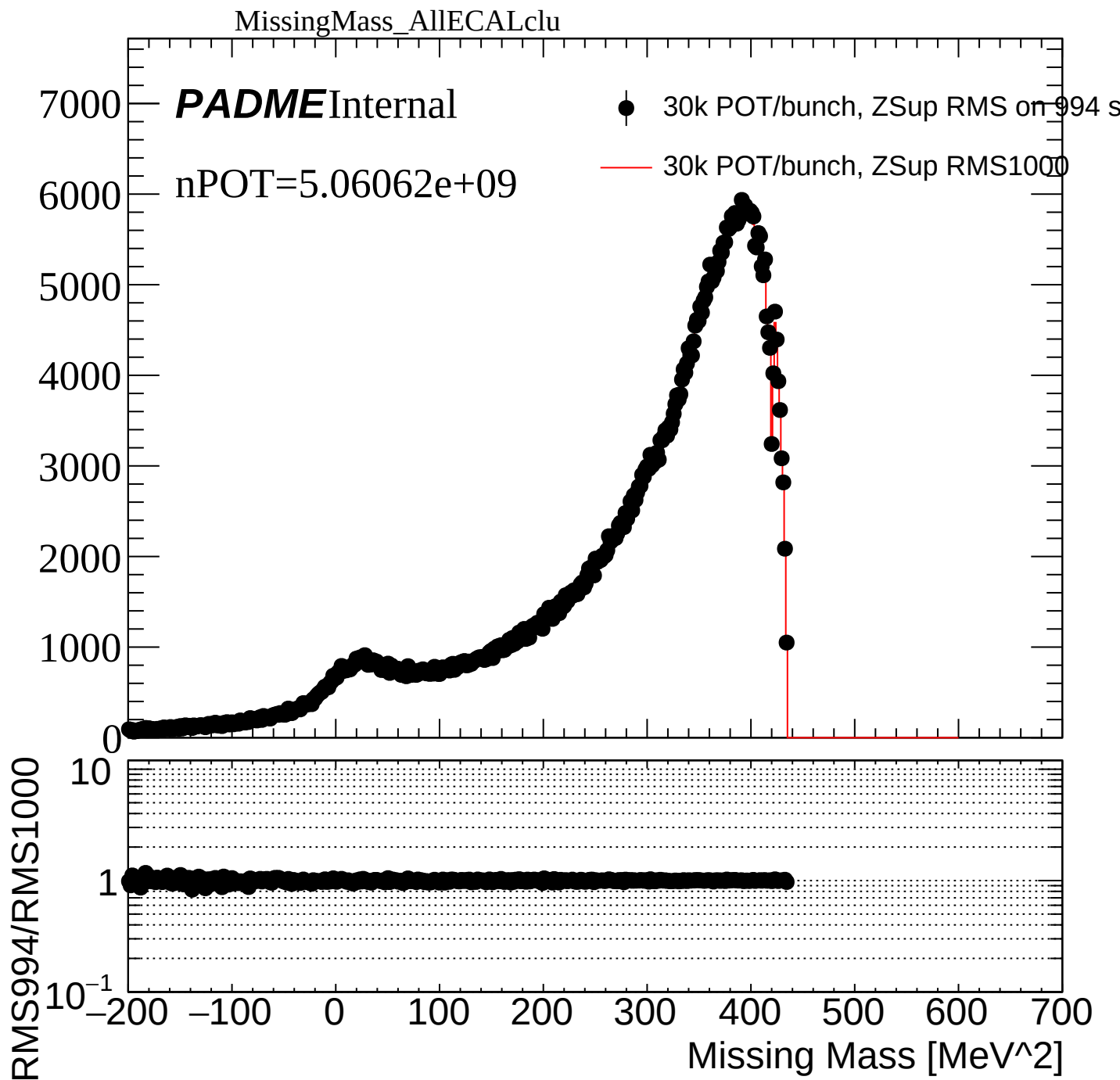












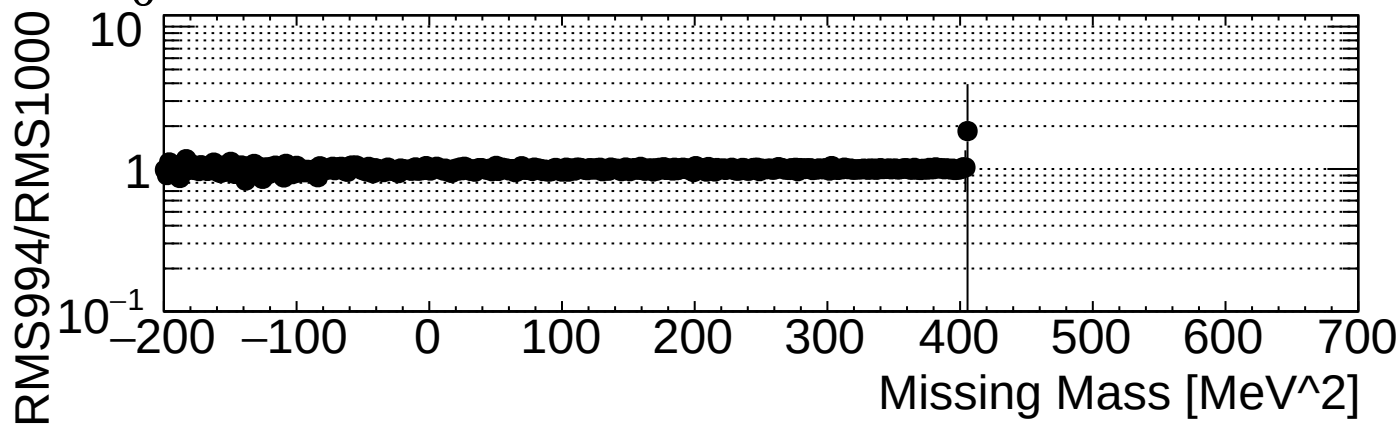
MissingMass_AllECALclu_ThrEne50MeV

PADMEInternal

nPOT=5.06062e+09

30k POT/bunch, ZSup RMS on 994 s

30k POT/bunch, ZSup RMS1000



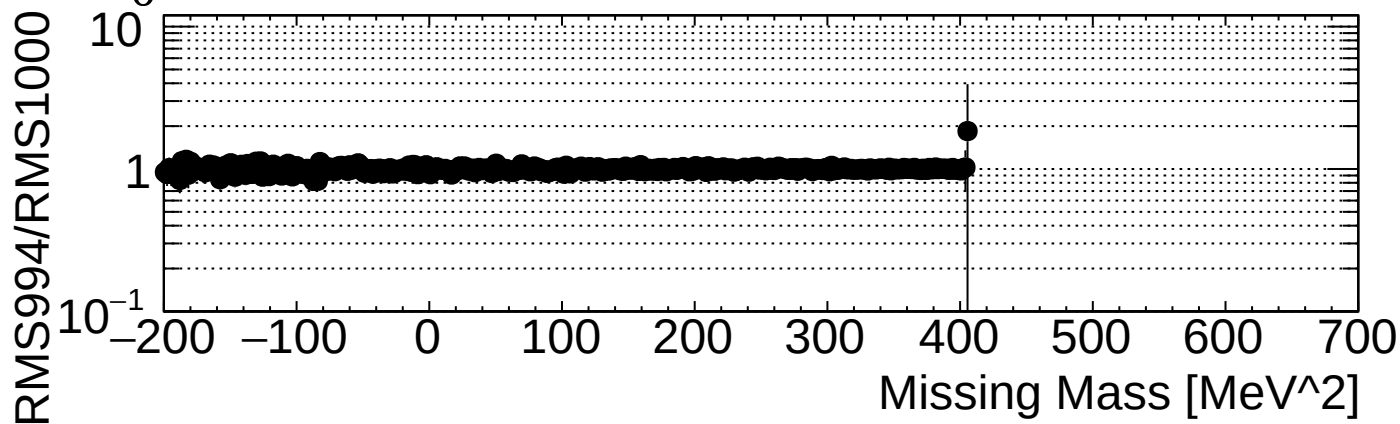
MissingMass_NoClInTime20ns_ThrEne50MeV

PADMEInternal

nPOT=5.06062e+09

30k POT/bunch, ZSup RMS on 994 s

30k POT/bunch, ZSup RMS1000



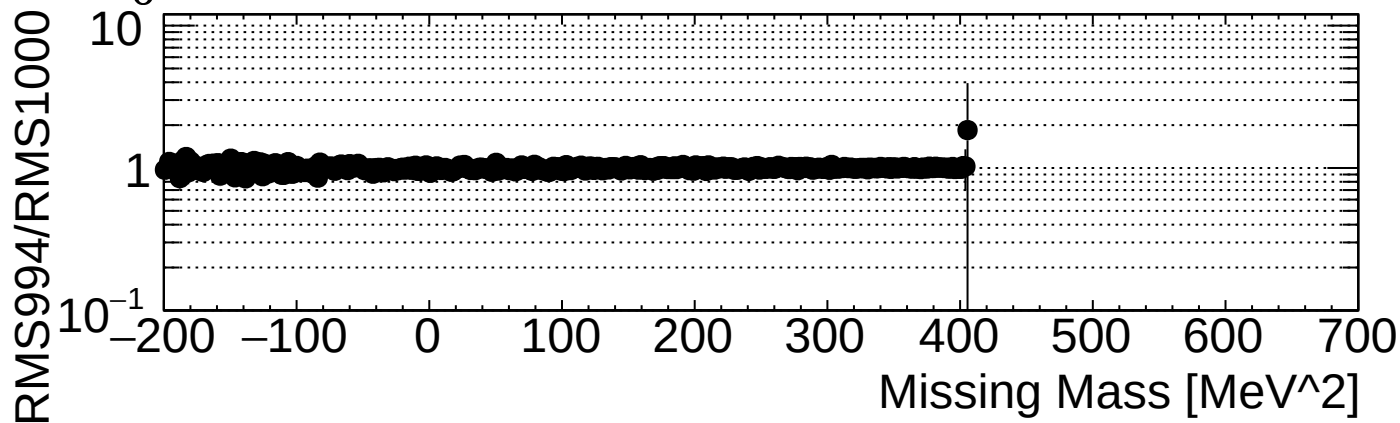
MissingMass_NoClInTime10ns_ThrEne50MeV

PADMEInternal

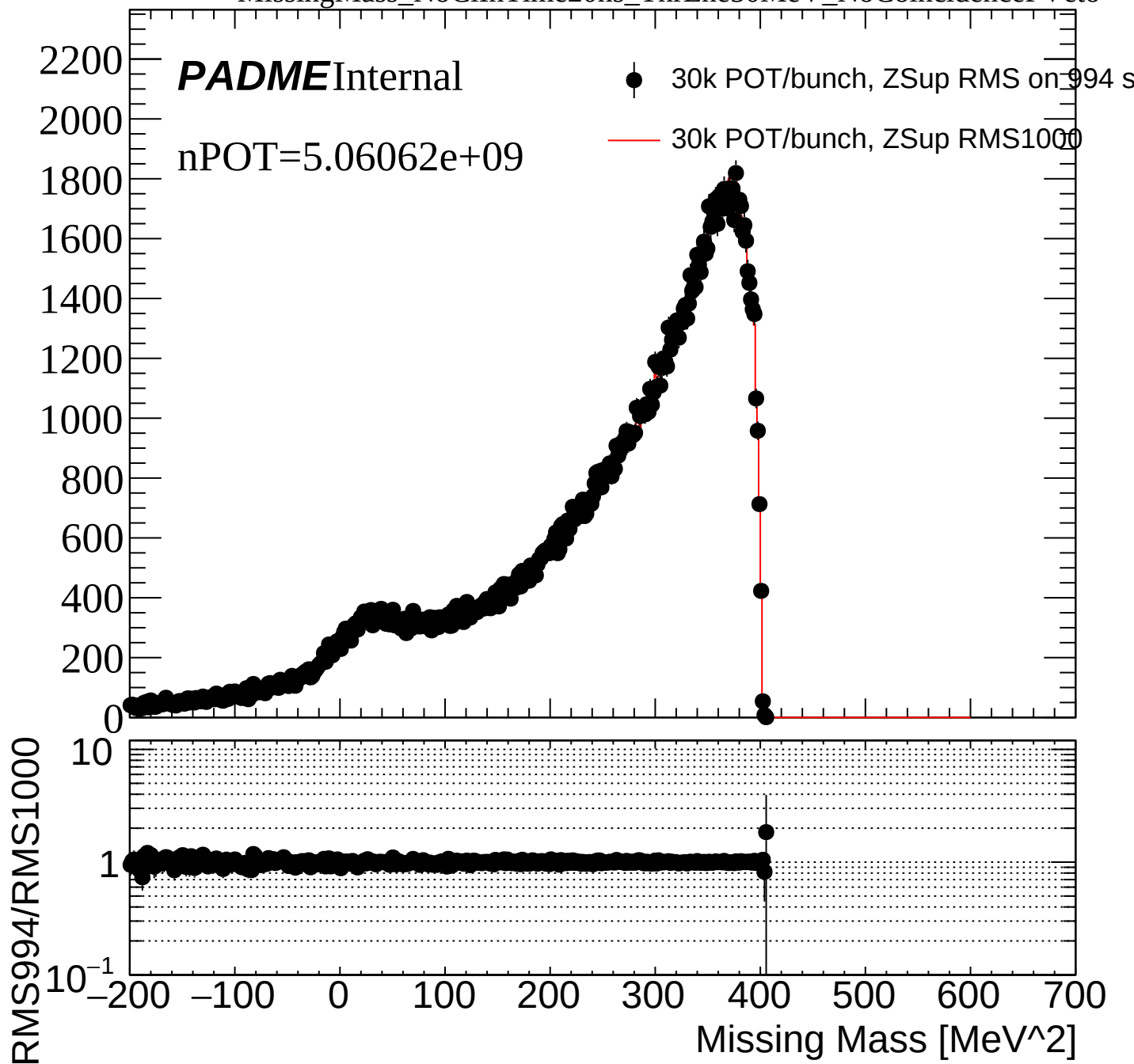
nPOT=5.06062e+09

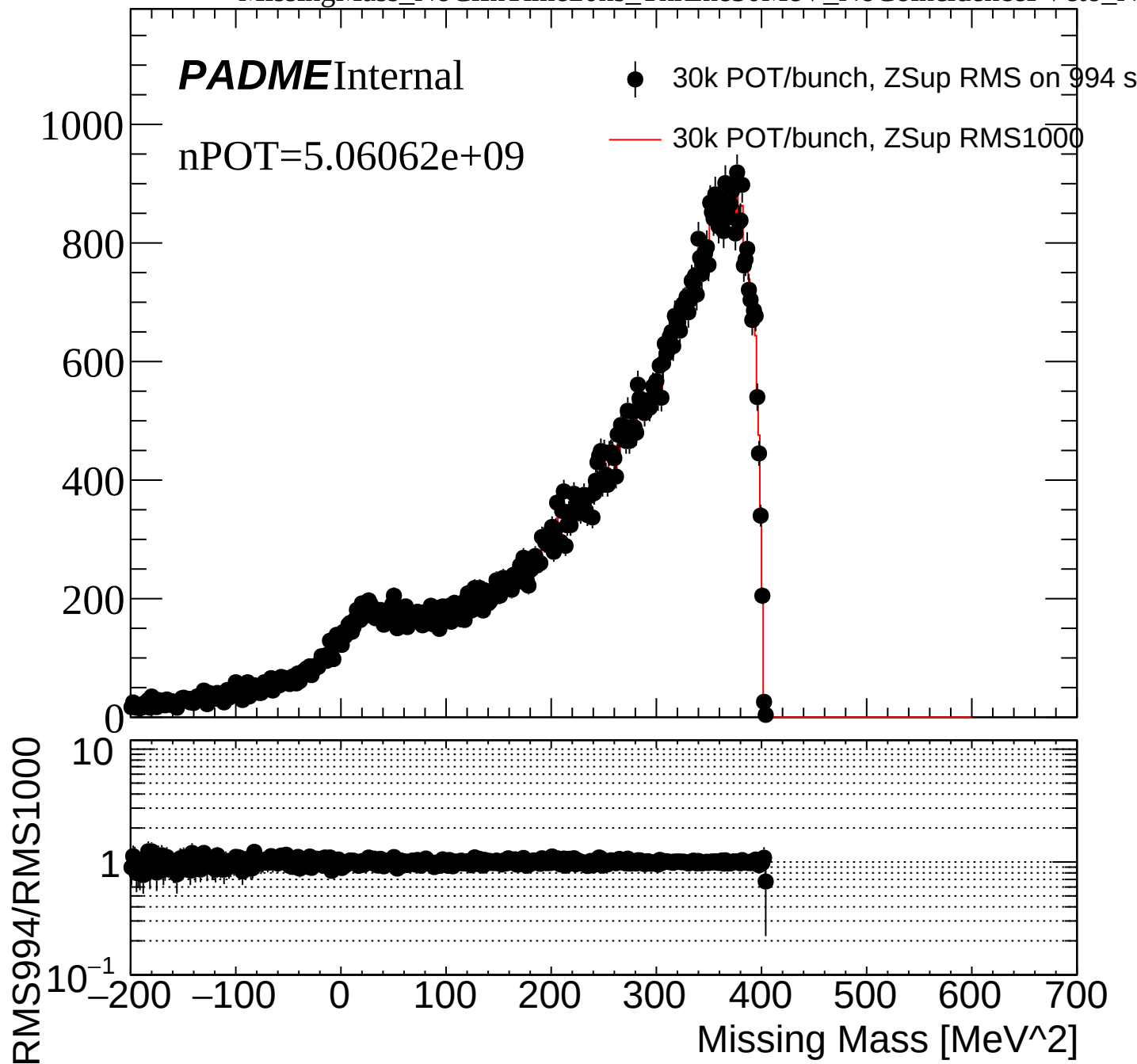
30k POT/bunch, ZSup RMS on 994 s

30k POT/bunch, ZSup RMS1000



MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto





MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto

PADME Internal

nPOT=5.06062e+09

30k POT/bunch, ZSup RMS on 994 s

30k POT/bunch, ZSup RMS1000

