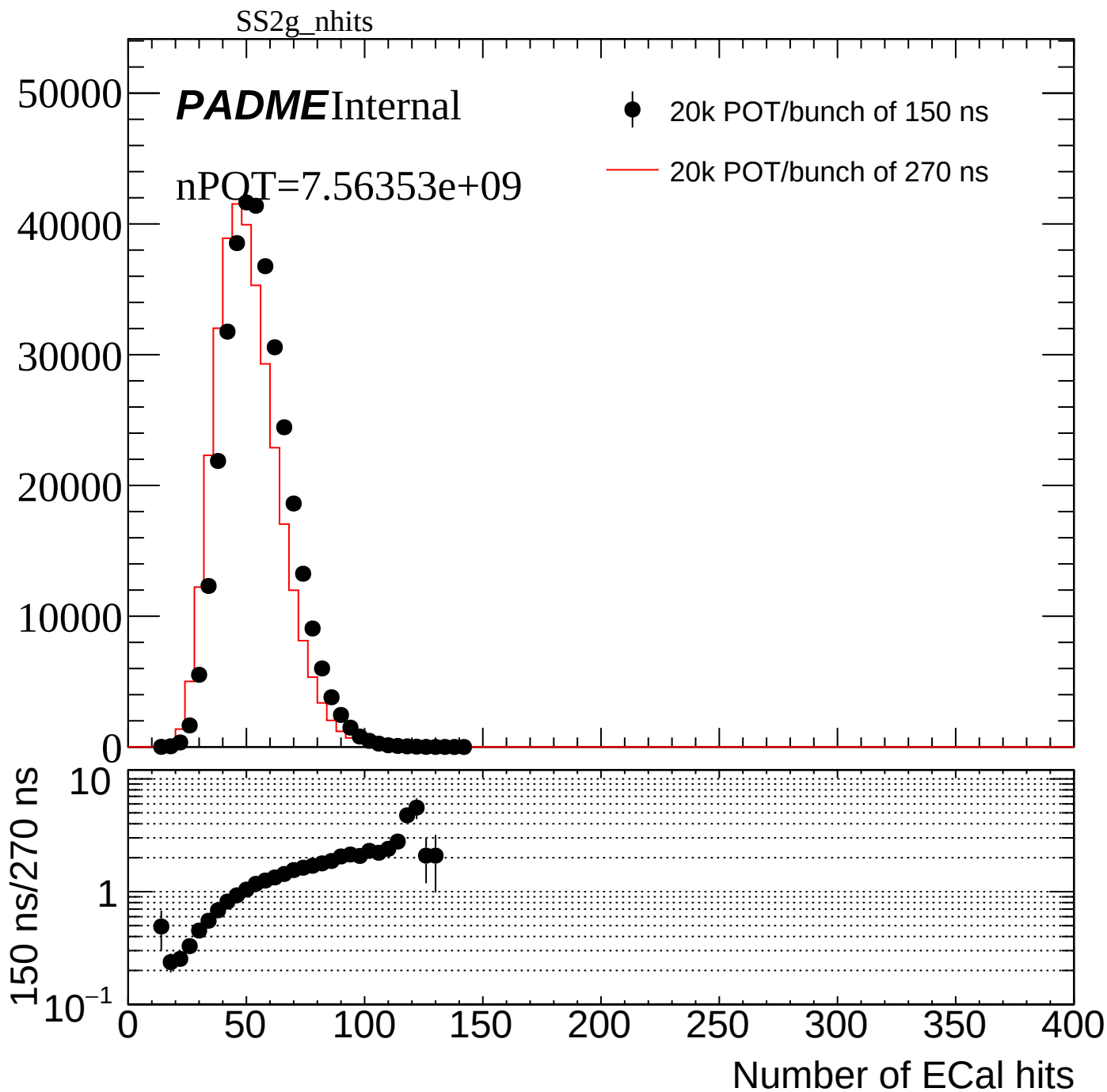
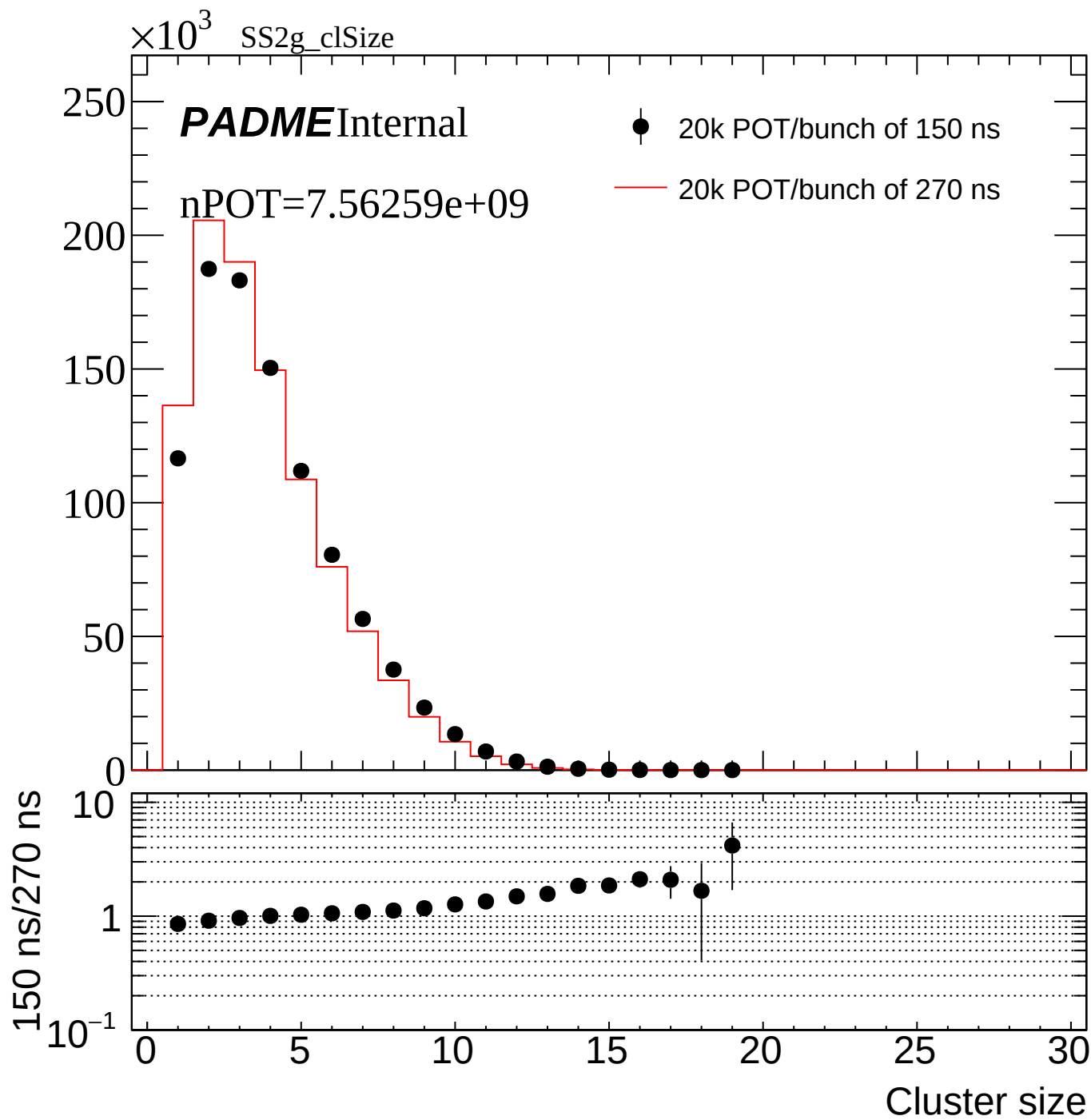
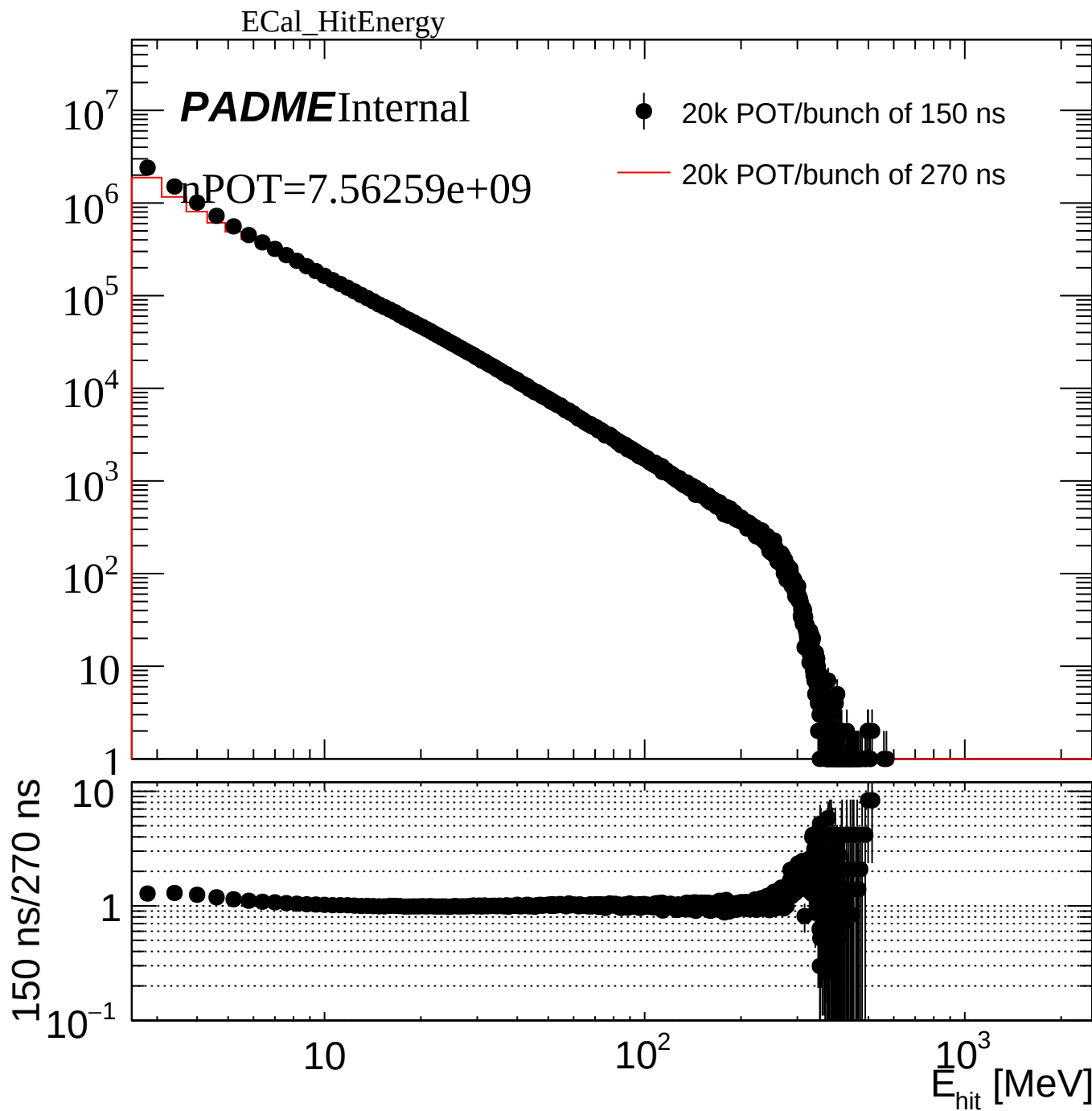
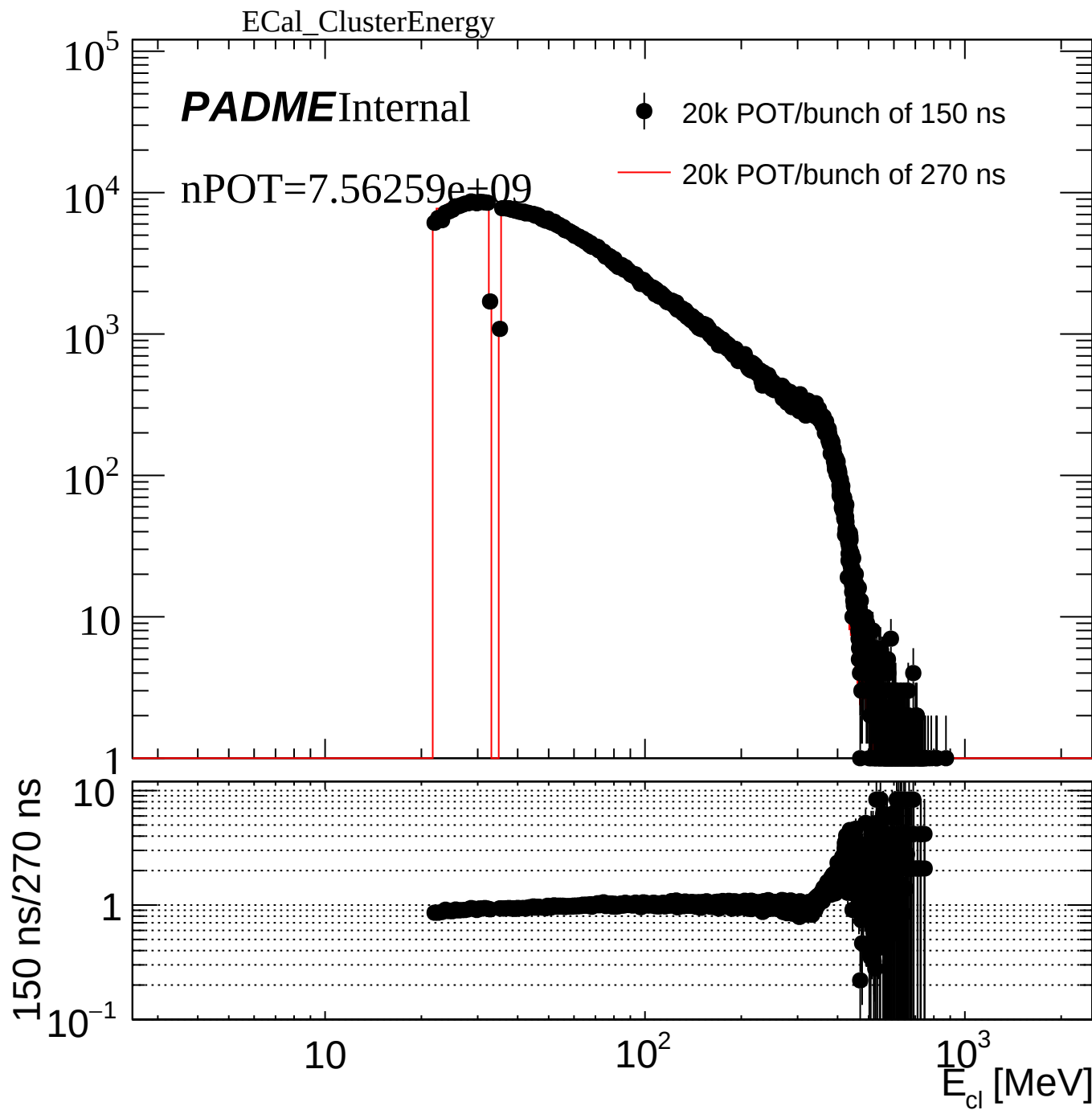


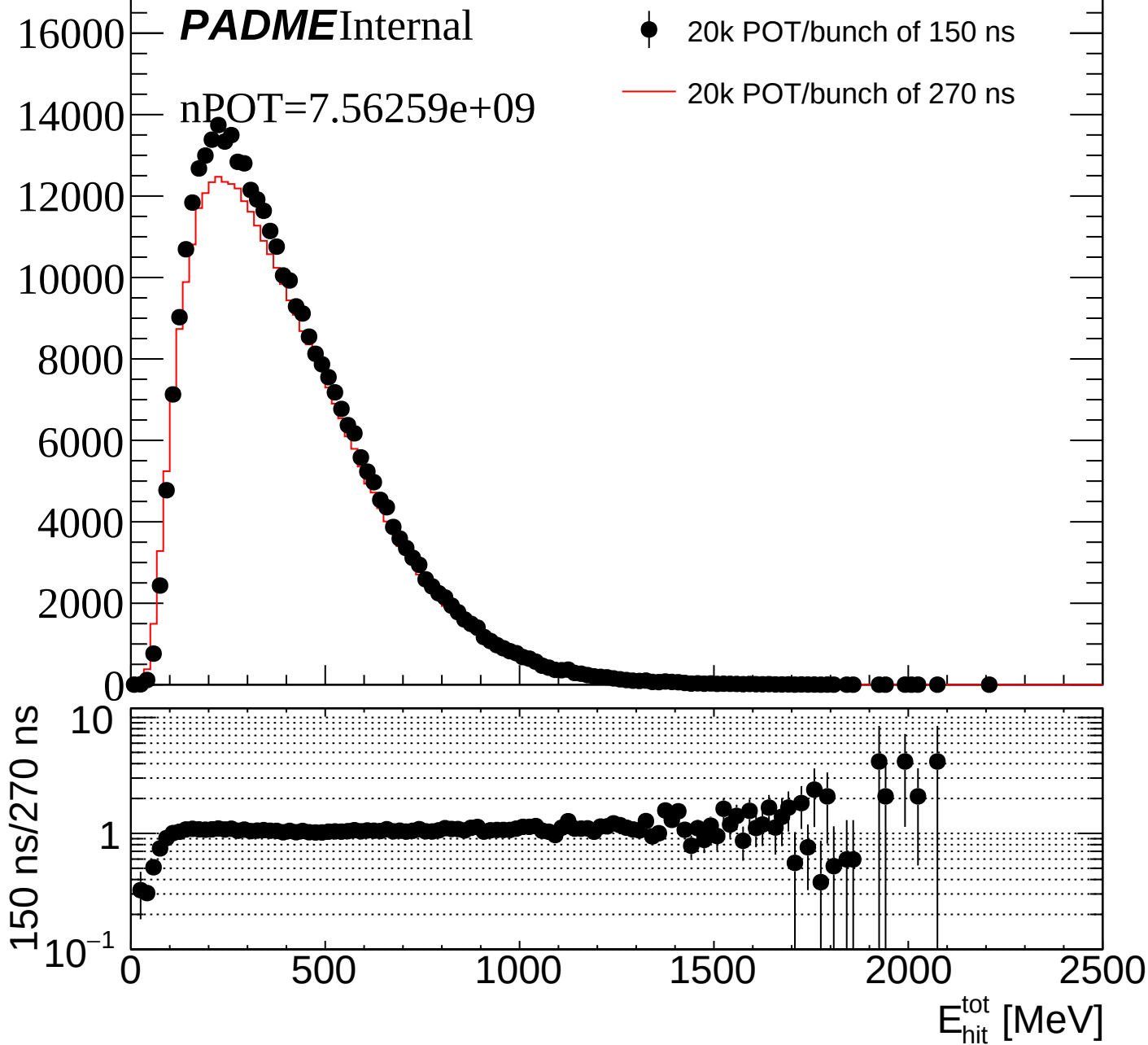


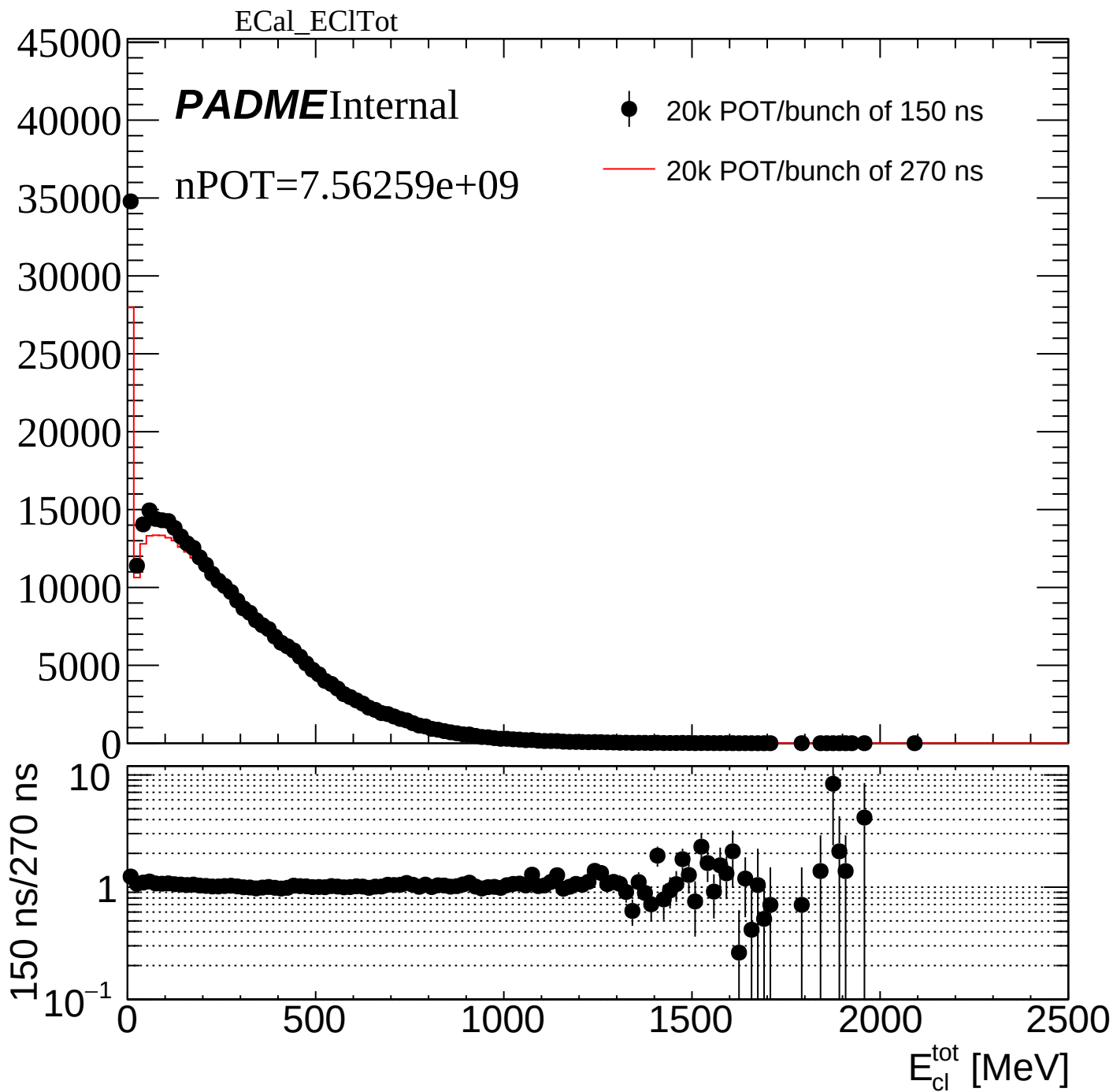


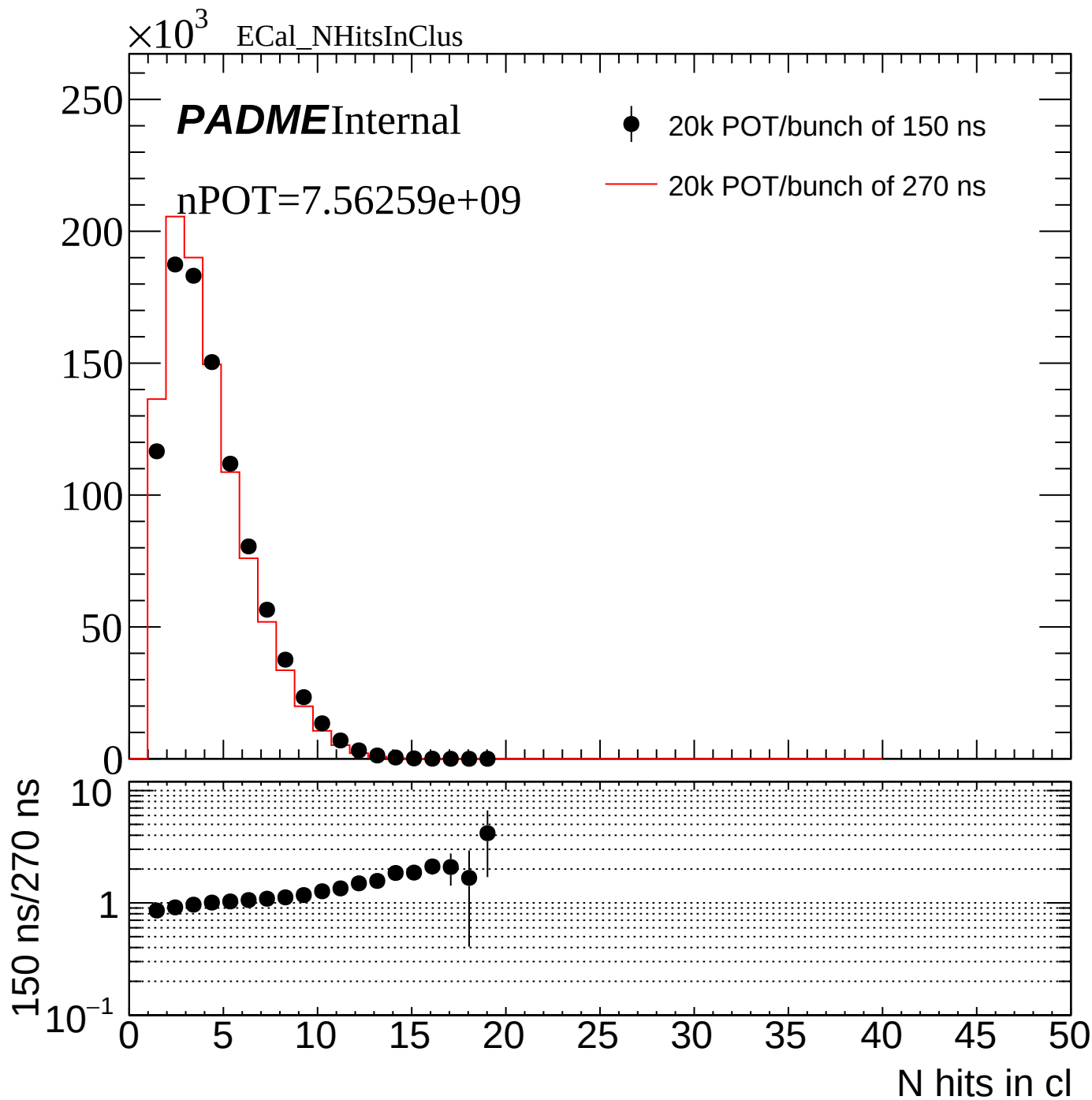


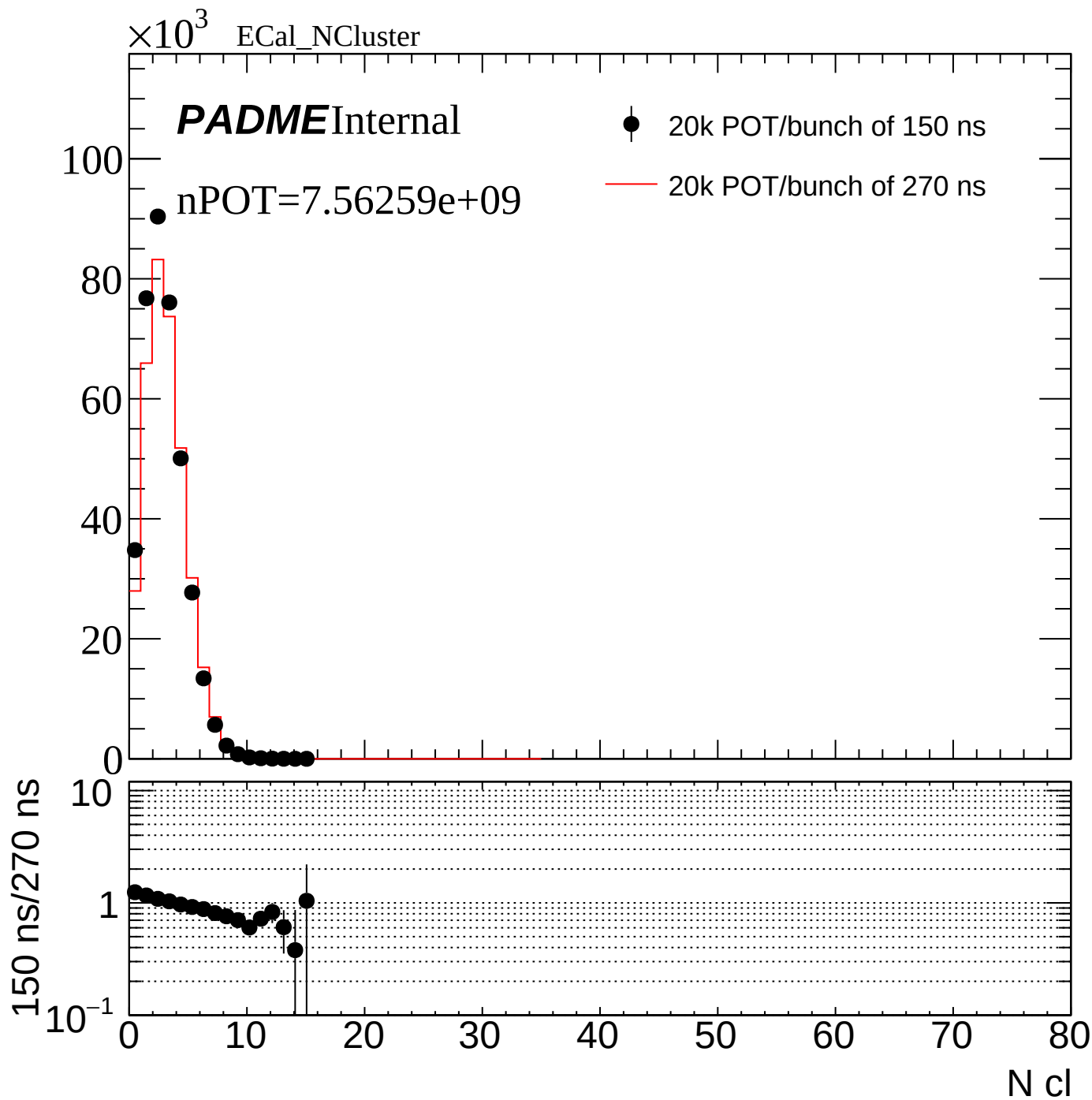


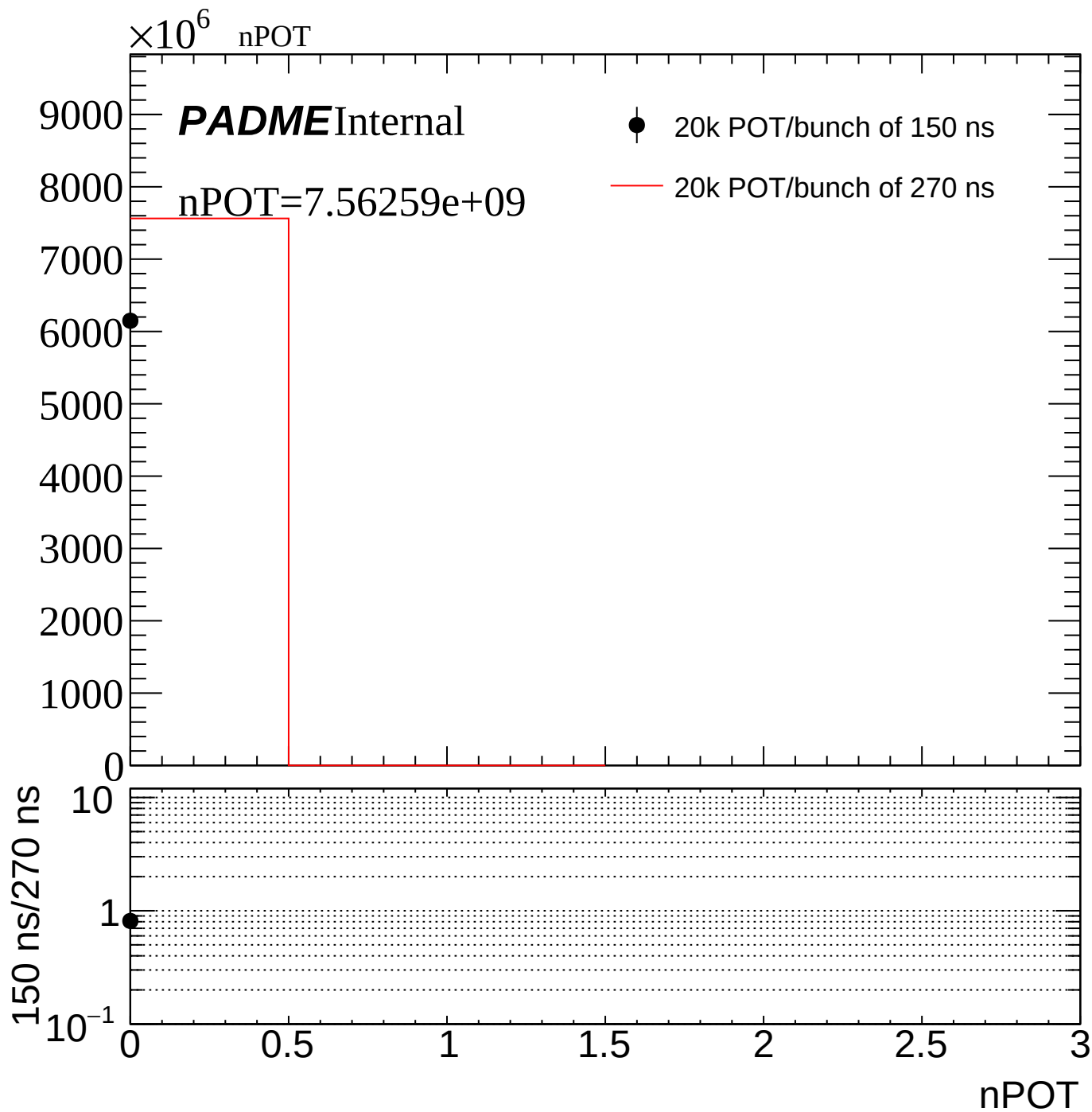
ECal_EHitTot

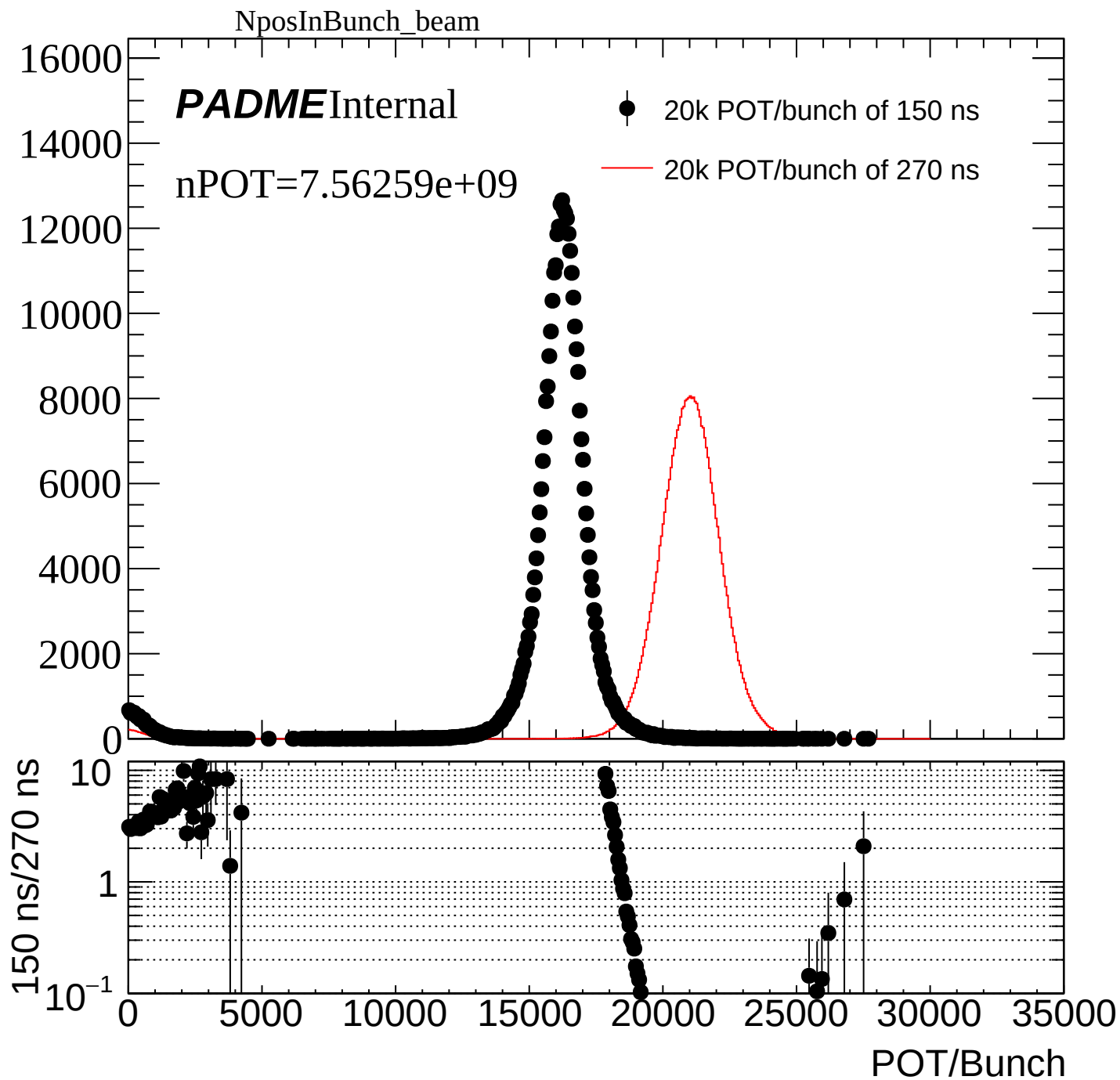












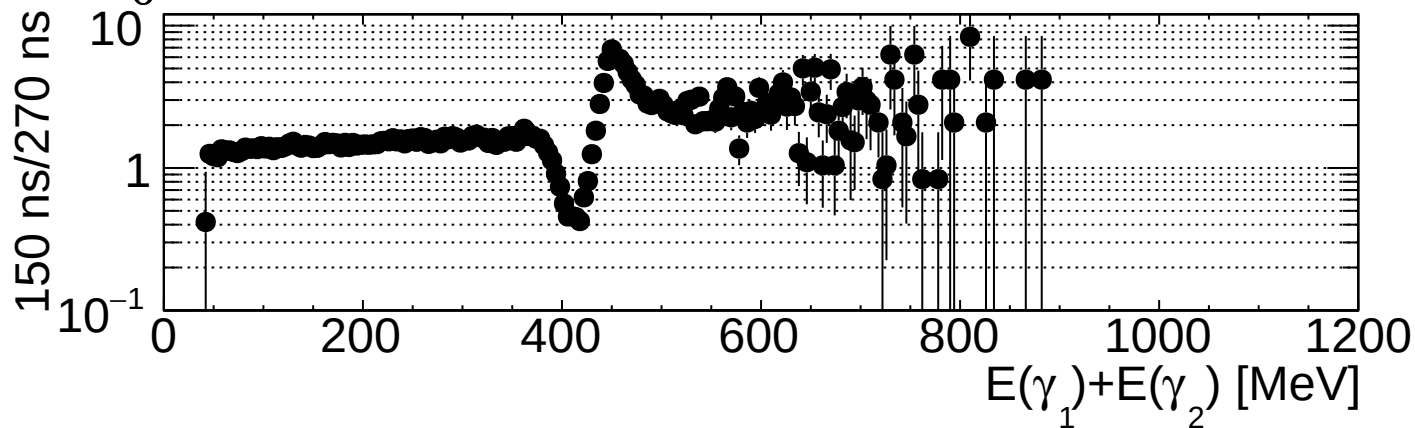
ECAL_twoPhotonInTime10ns

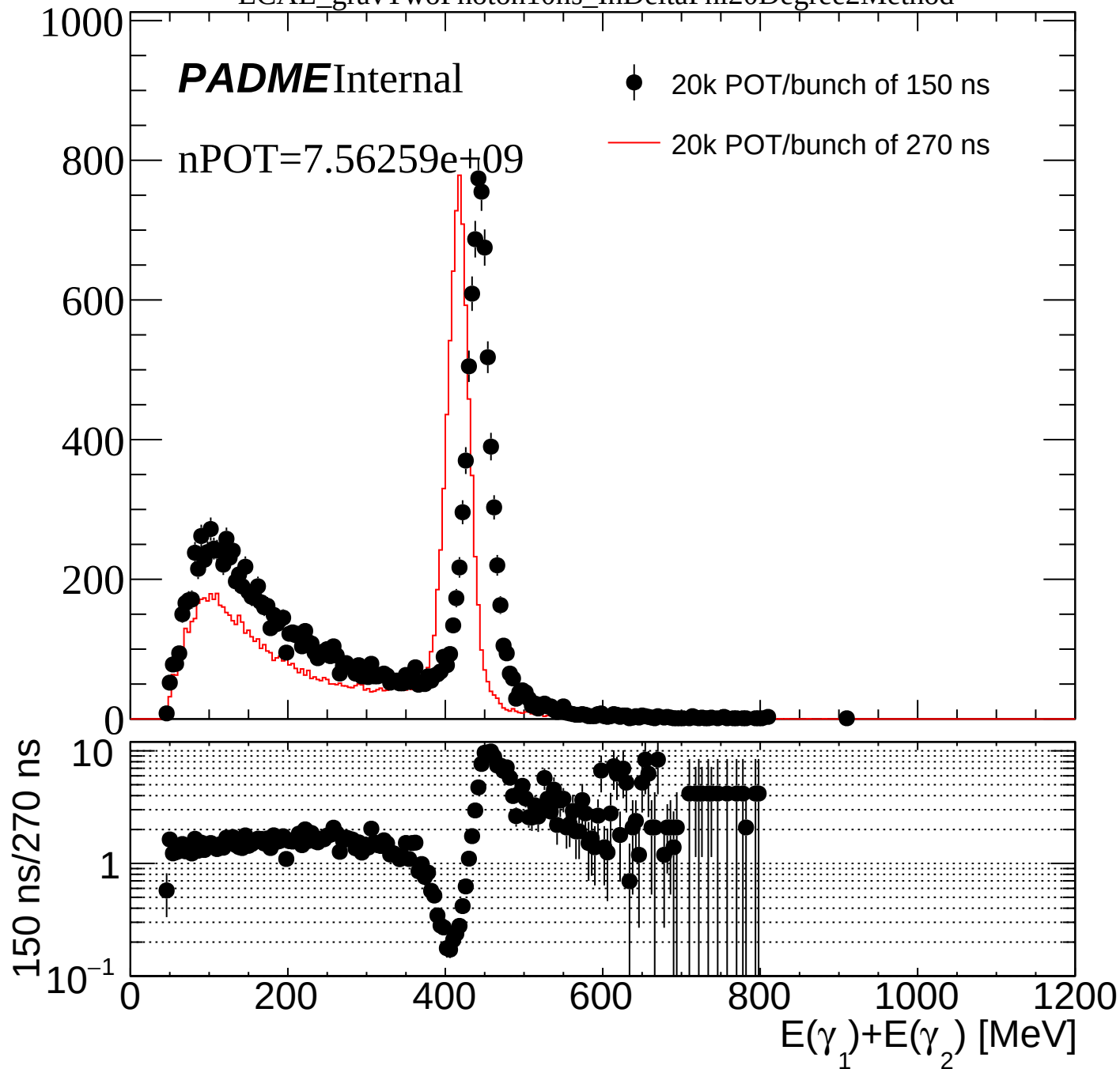
PADMEInternal

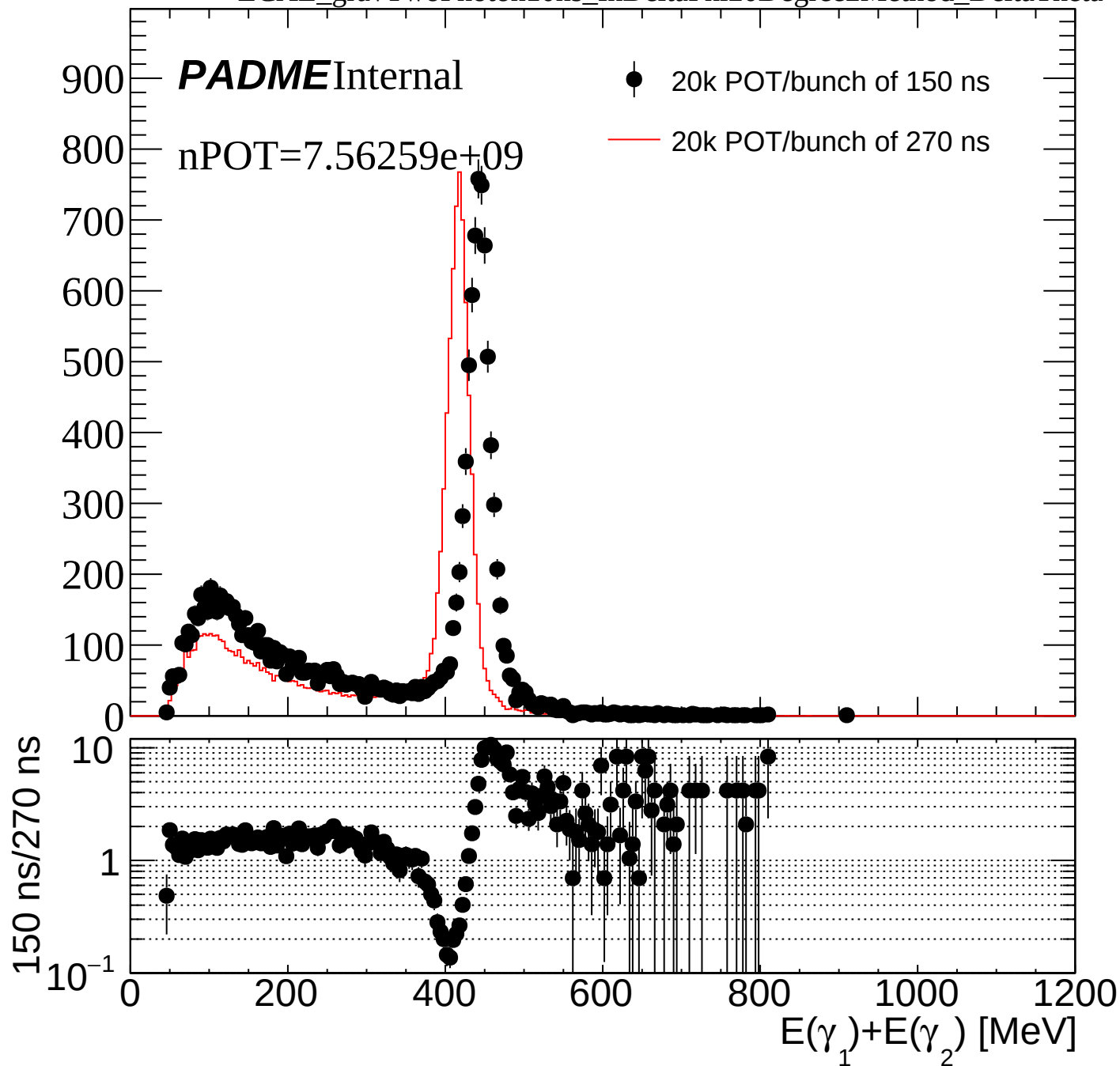
nPOT=7.56259e+09

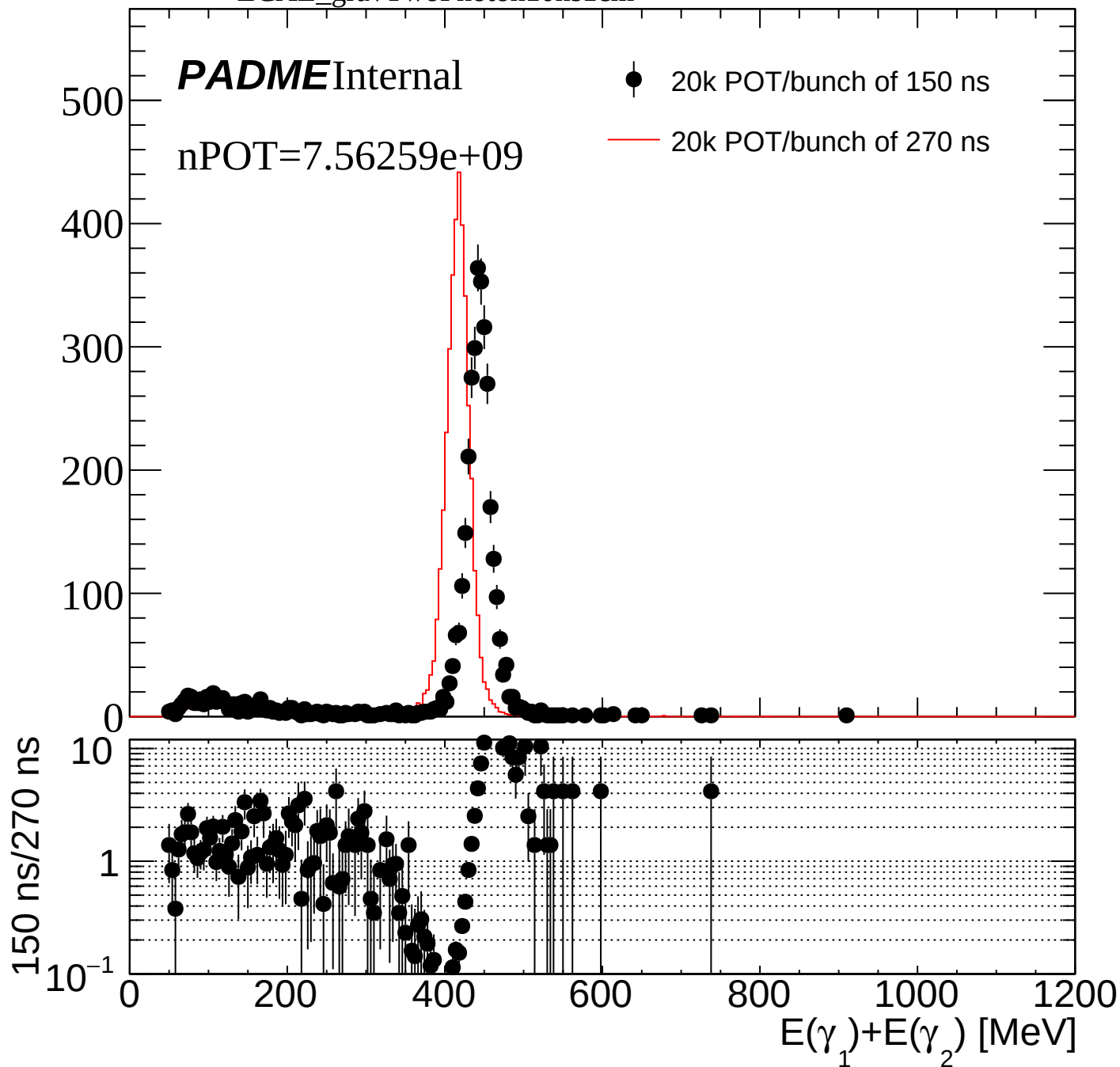
● 20k POT/bunch of 150 ns

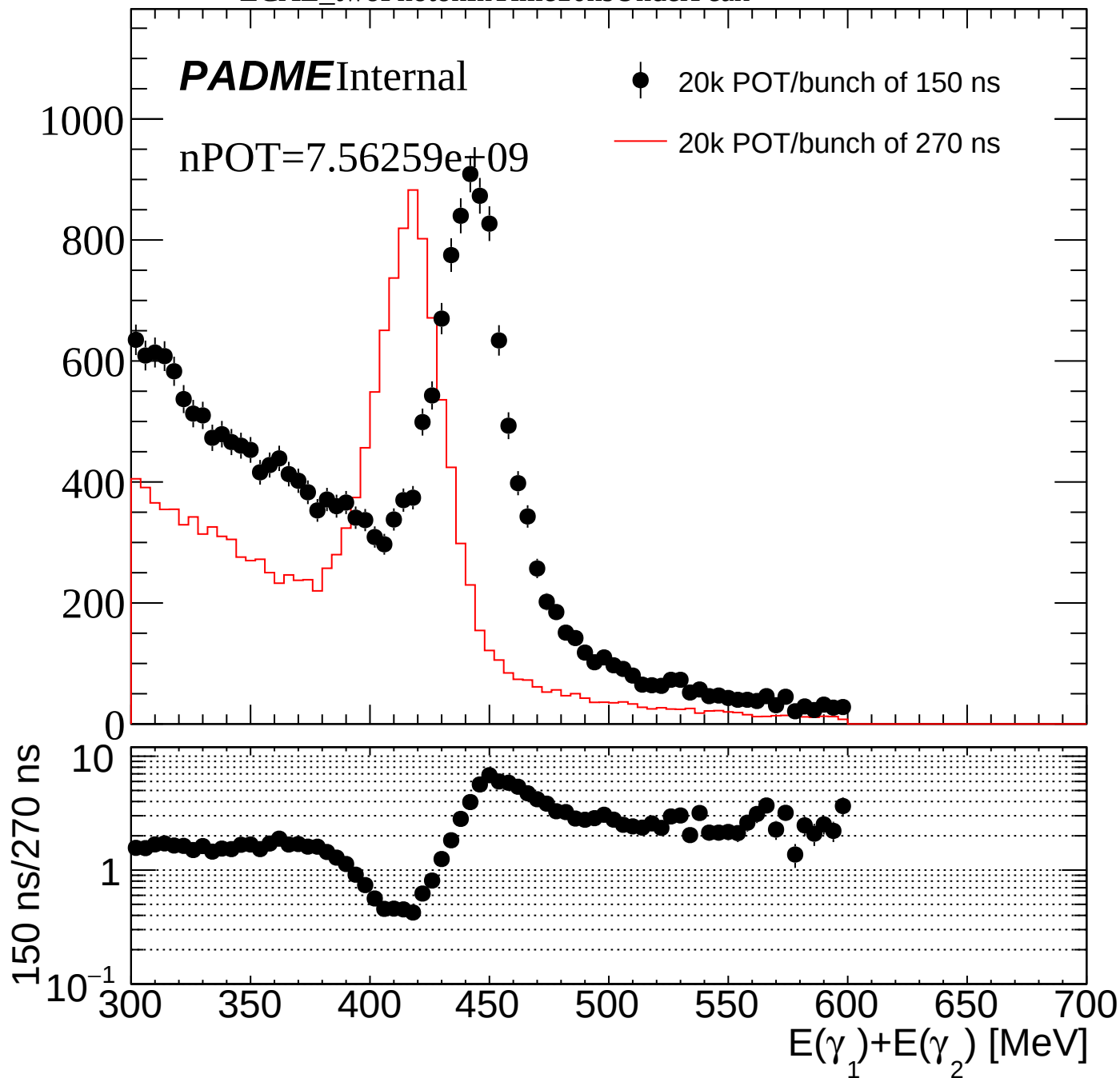
— 20k POT/bunch of 270 ns

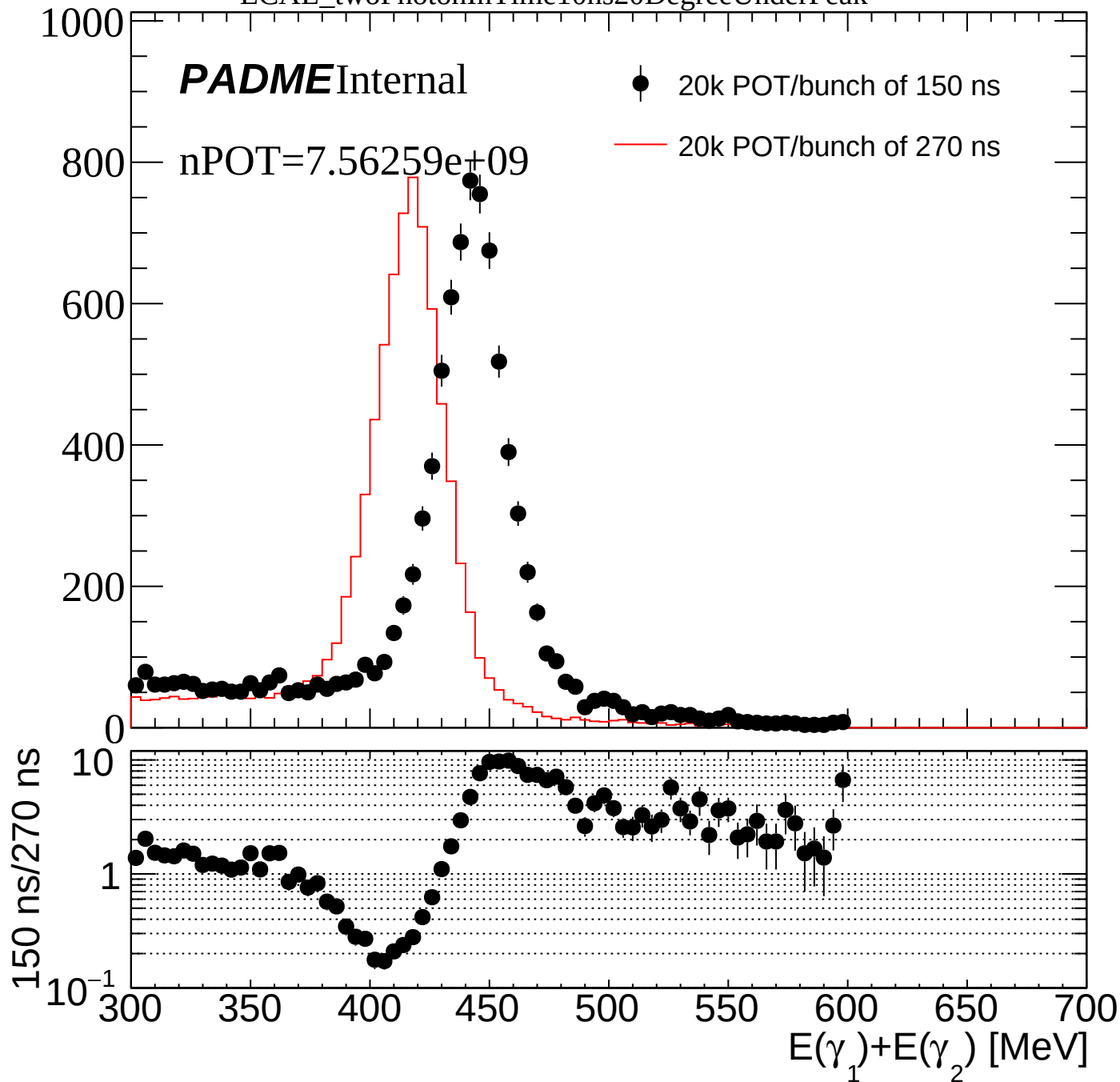


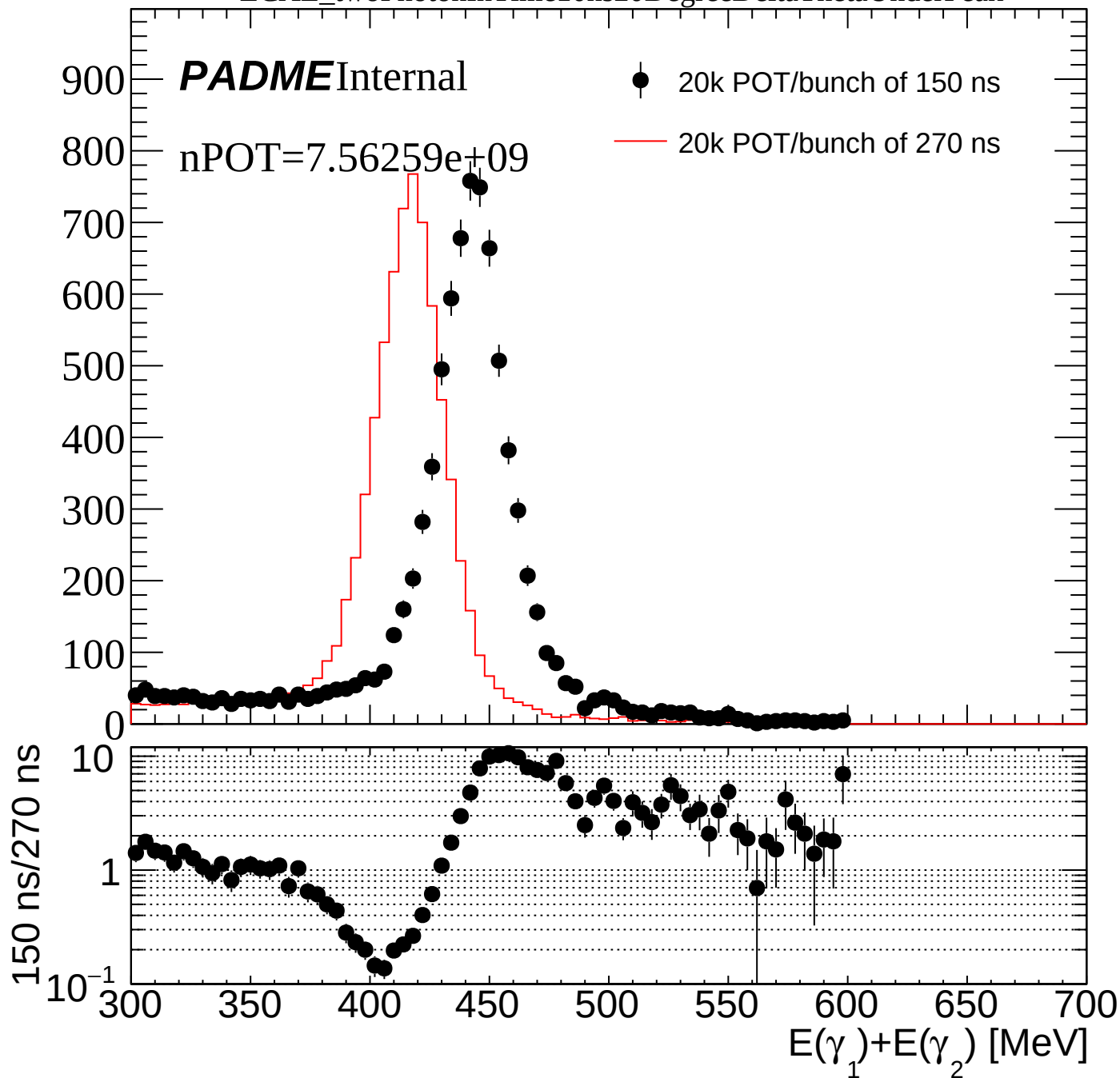


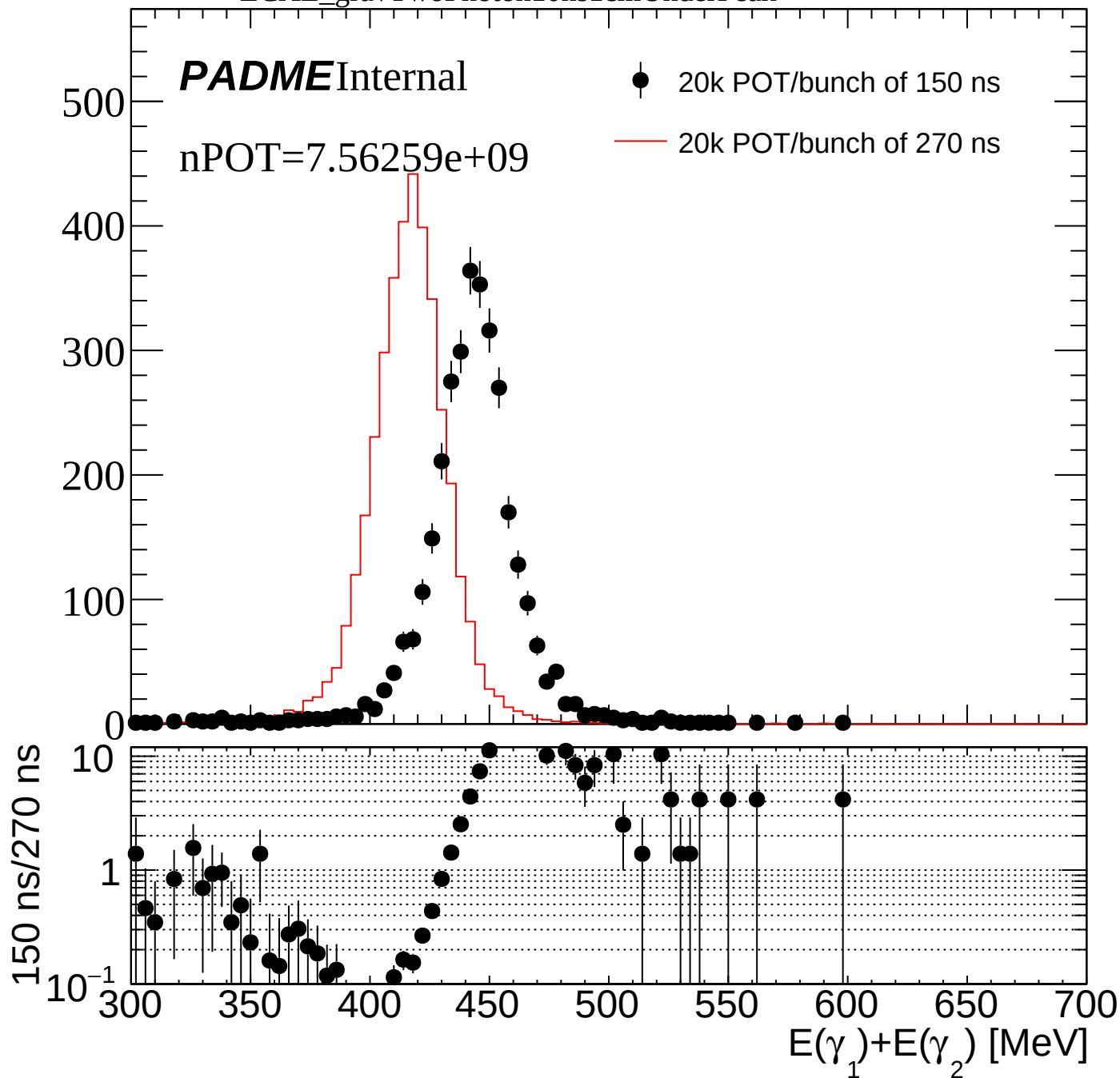


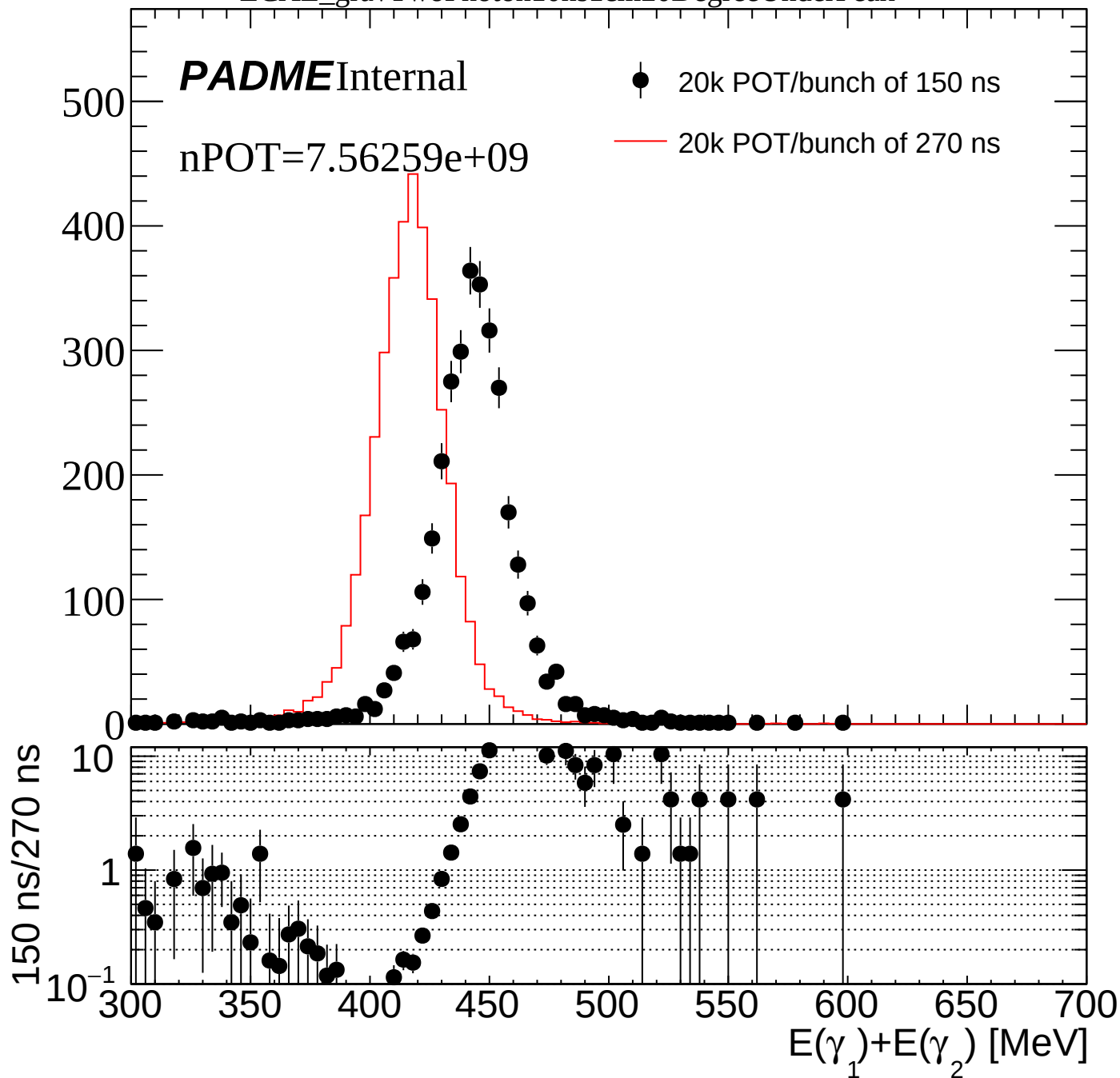


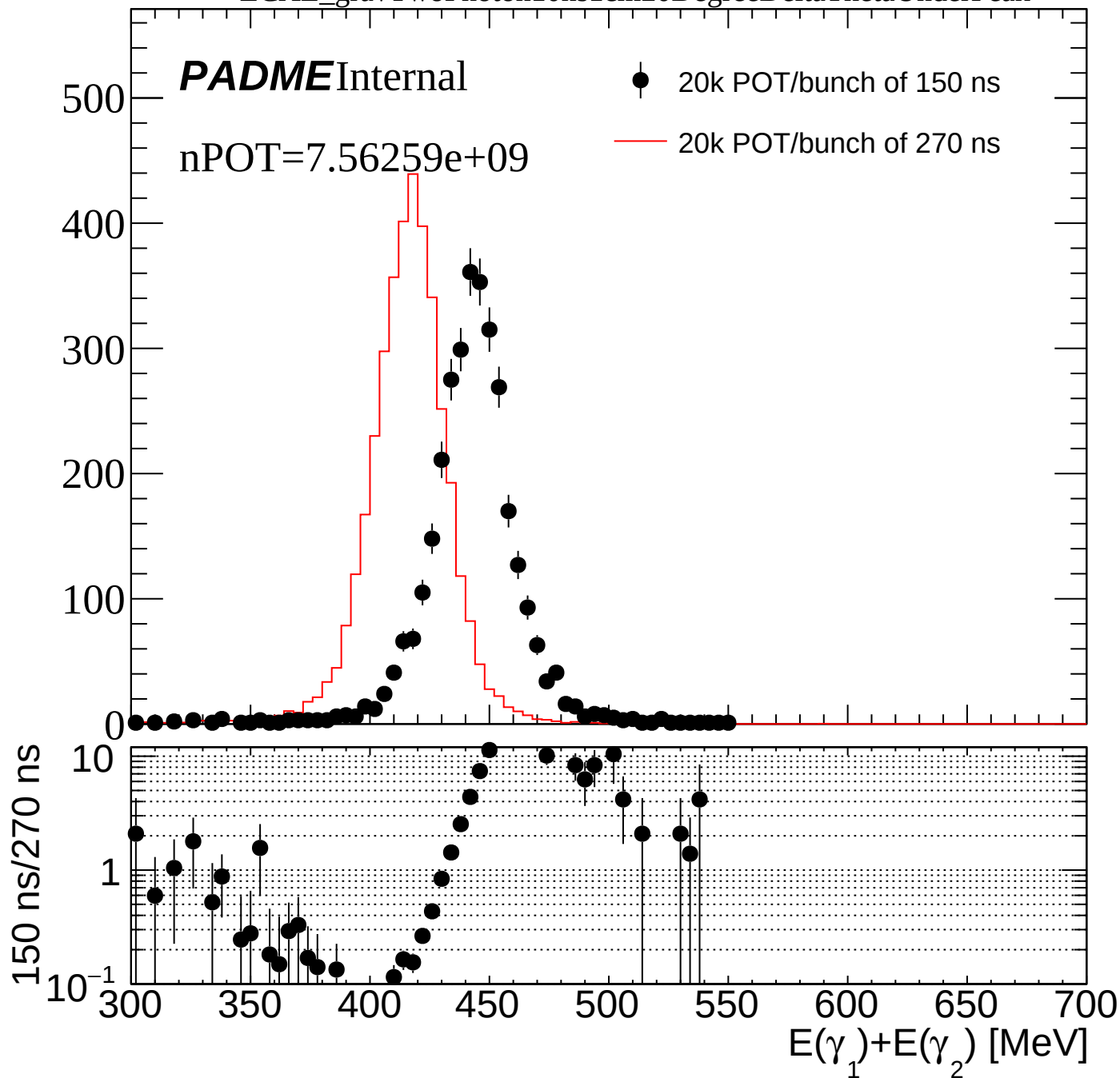


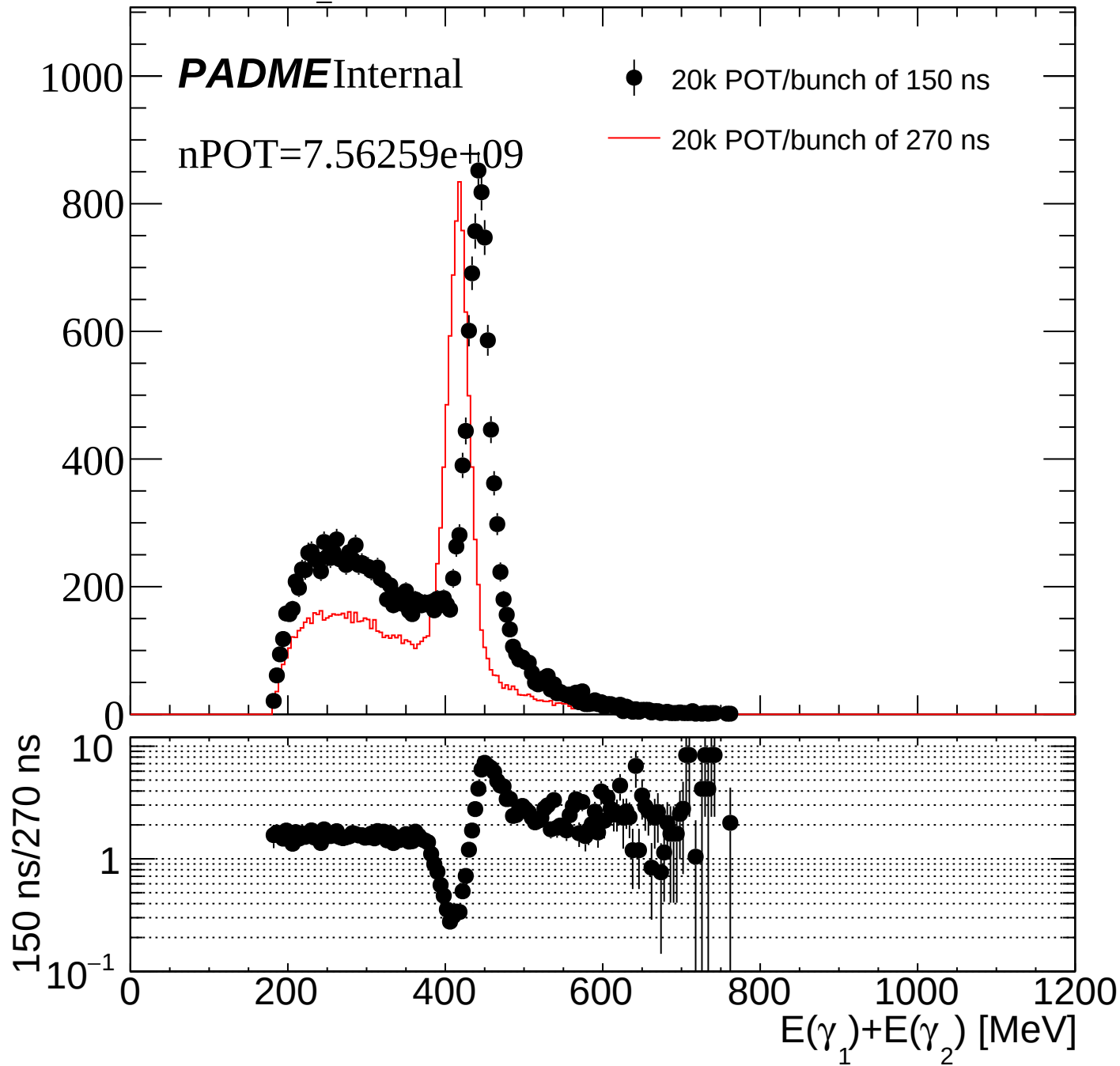


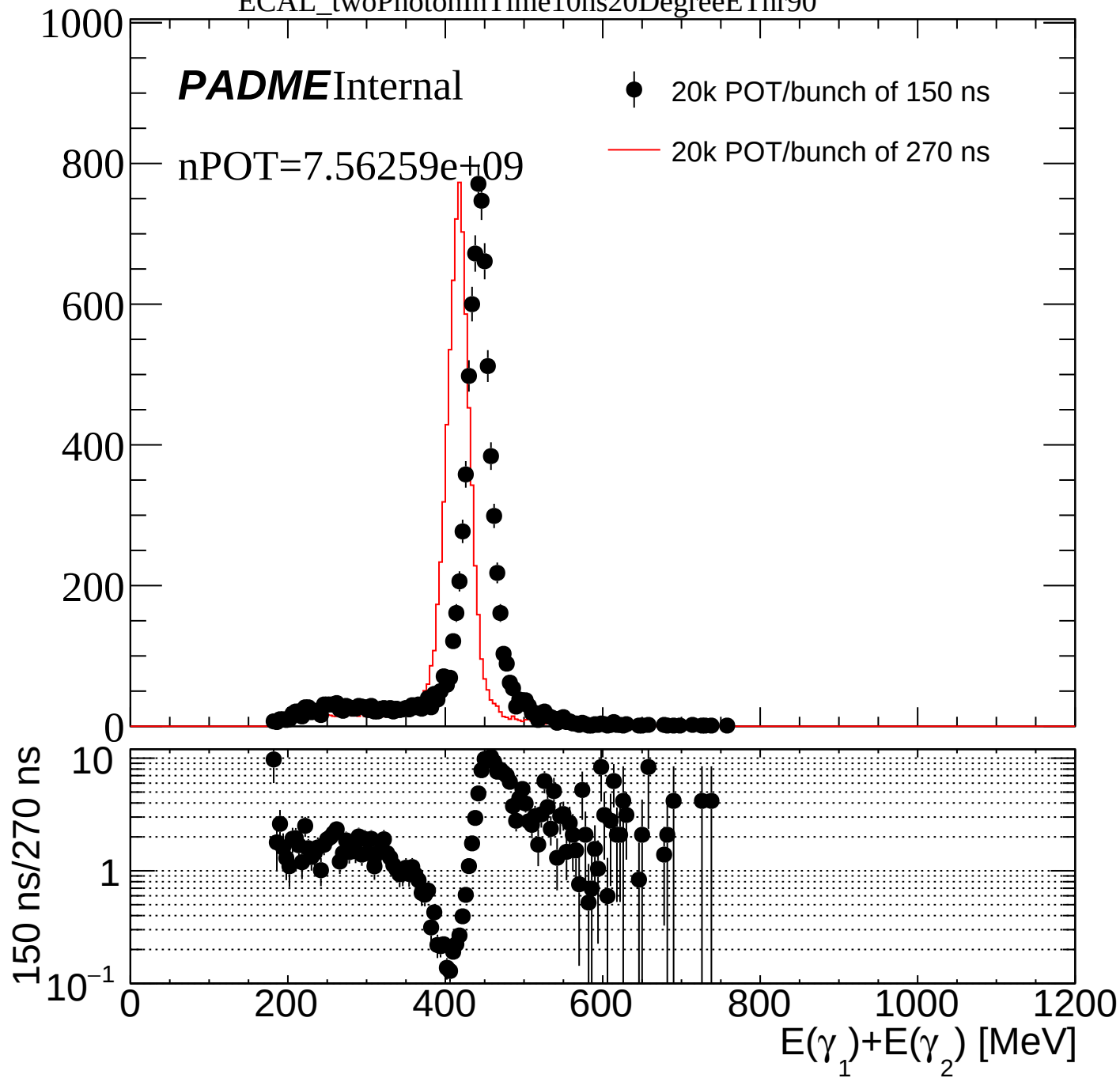


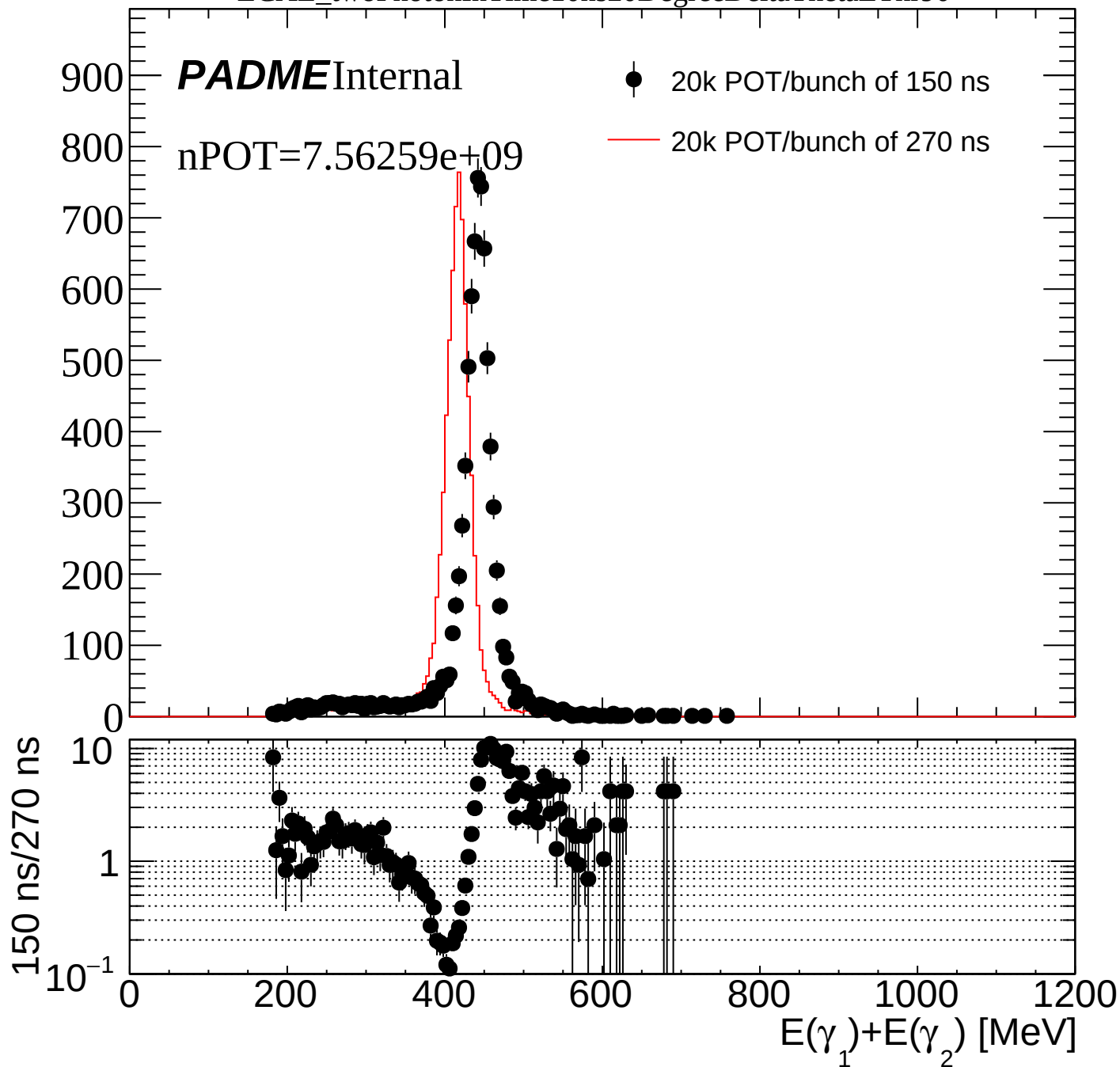


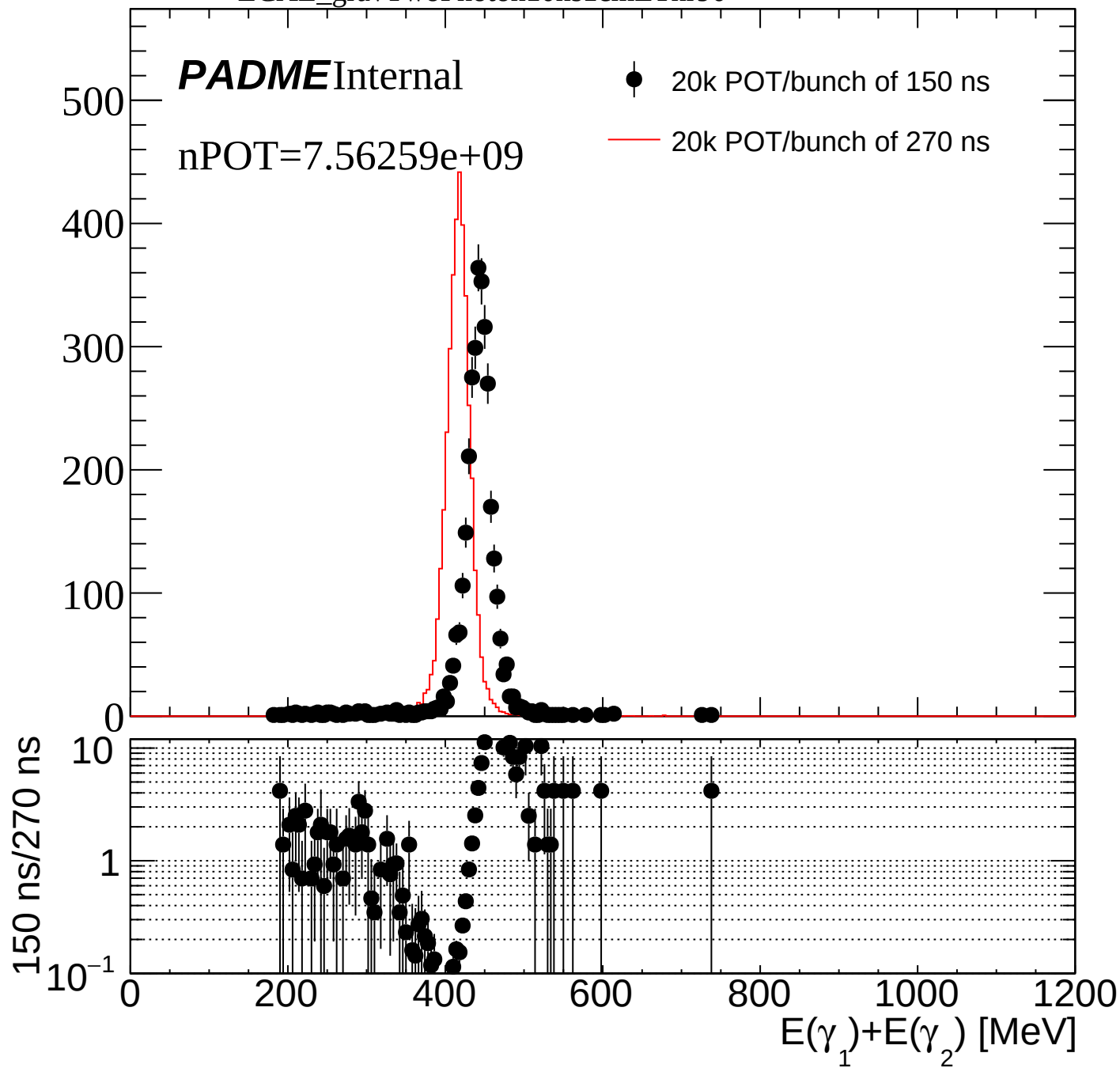


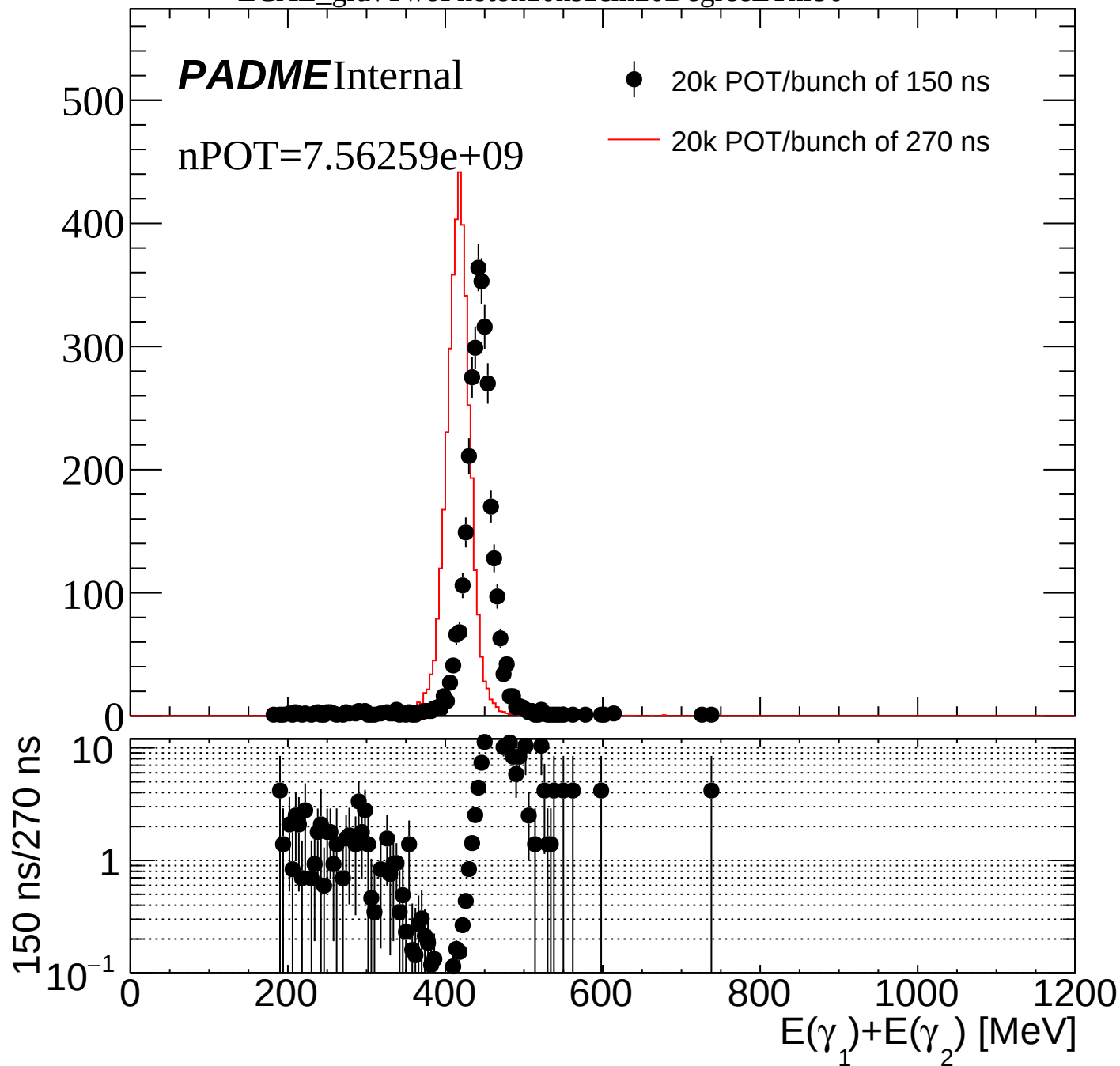


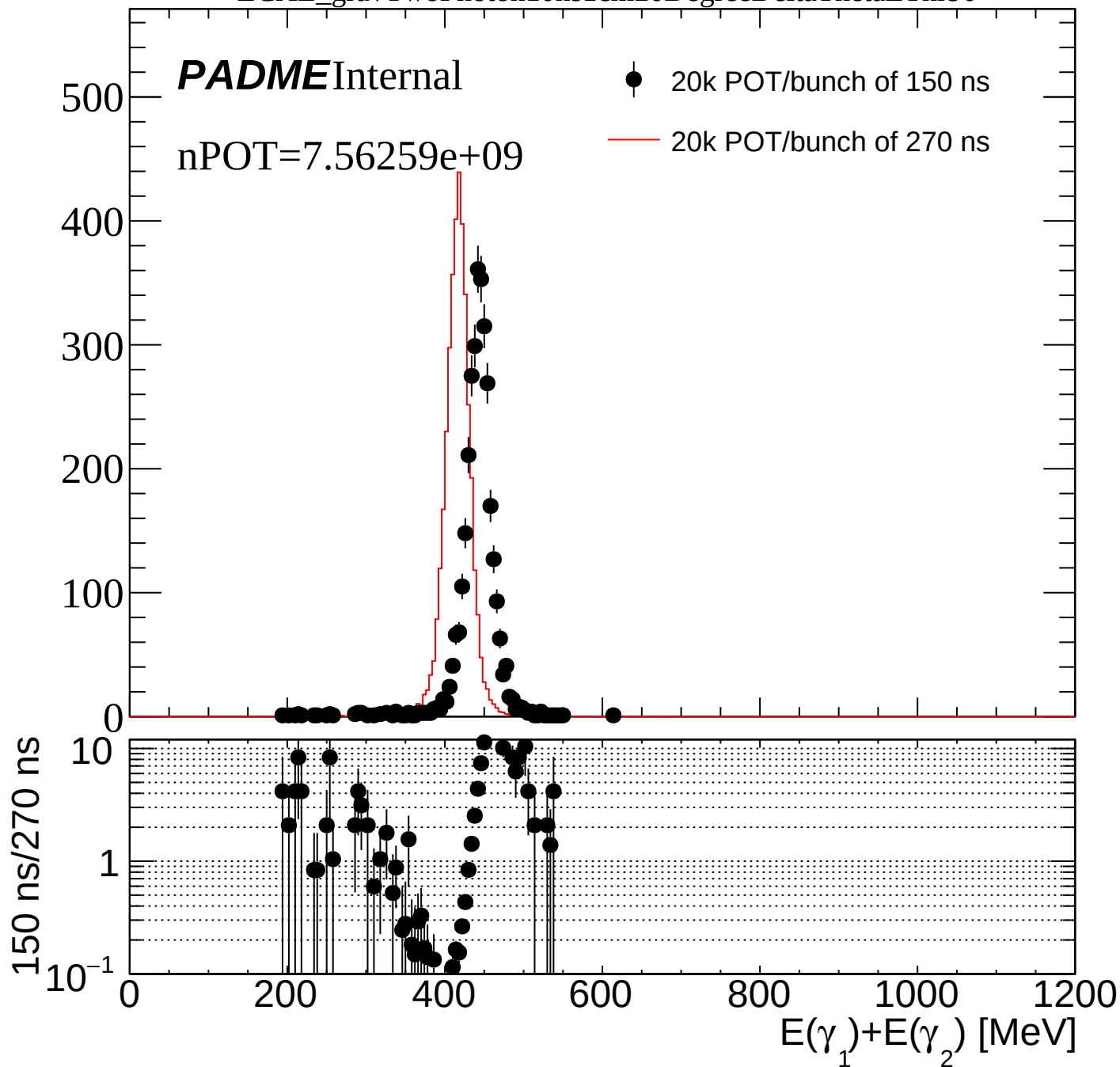


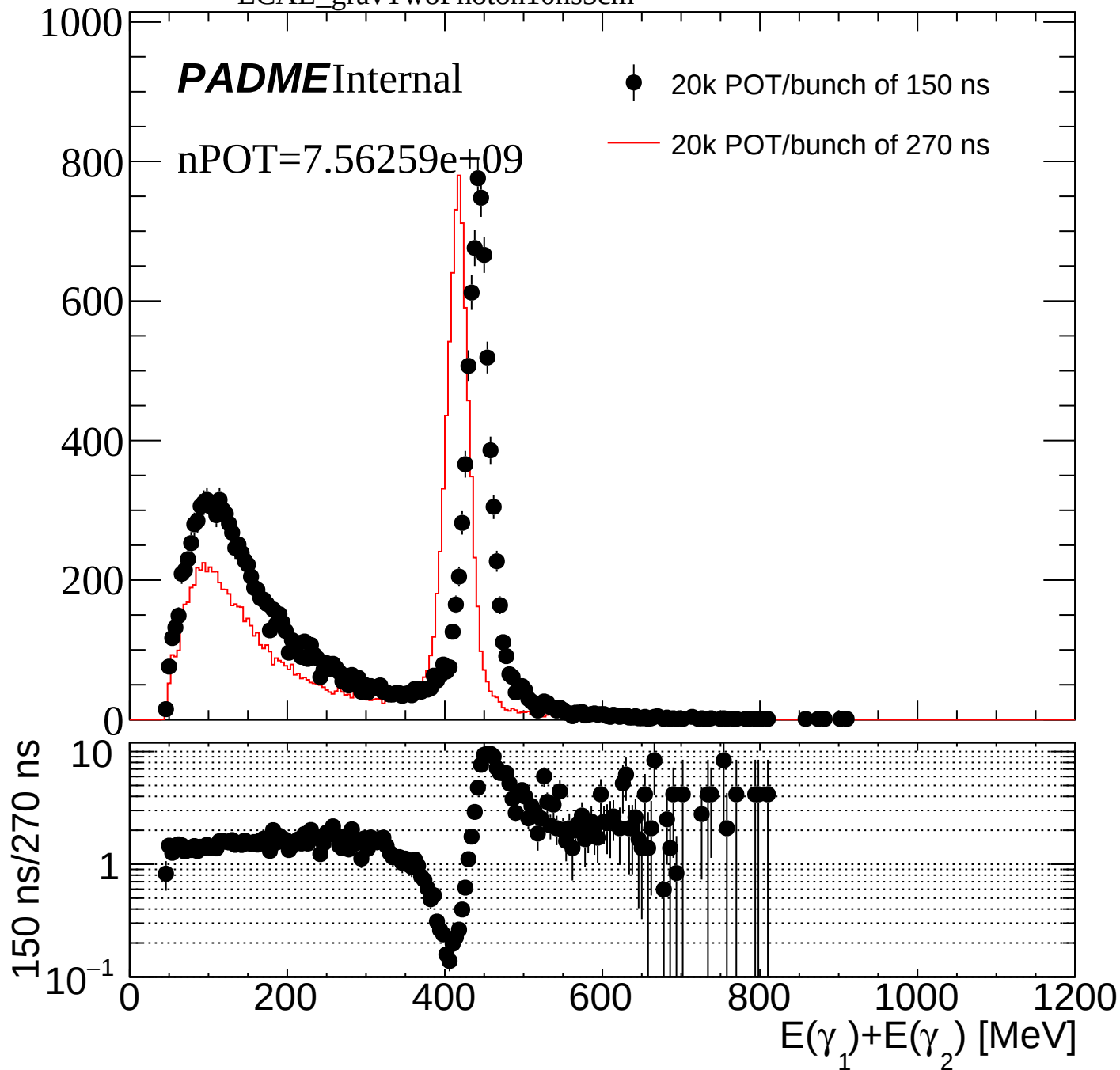


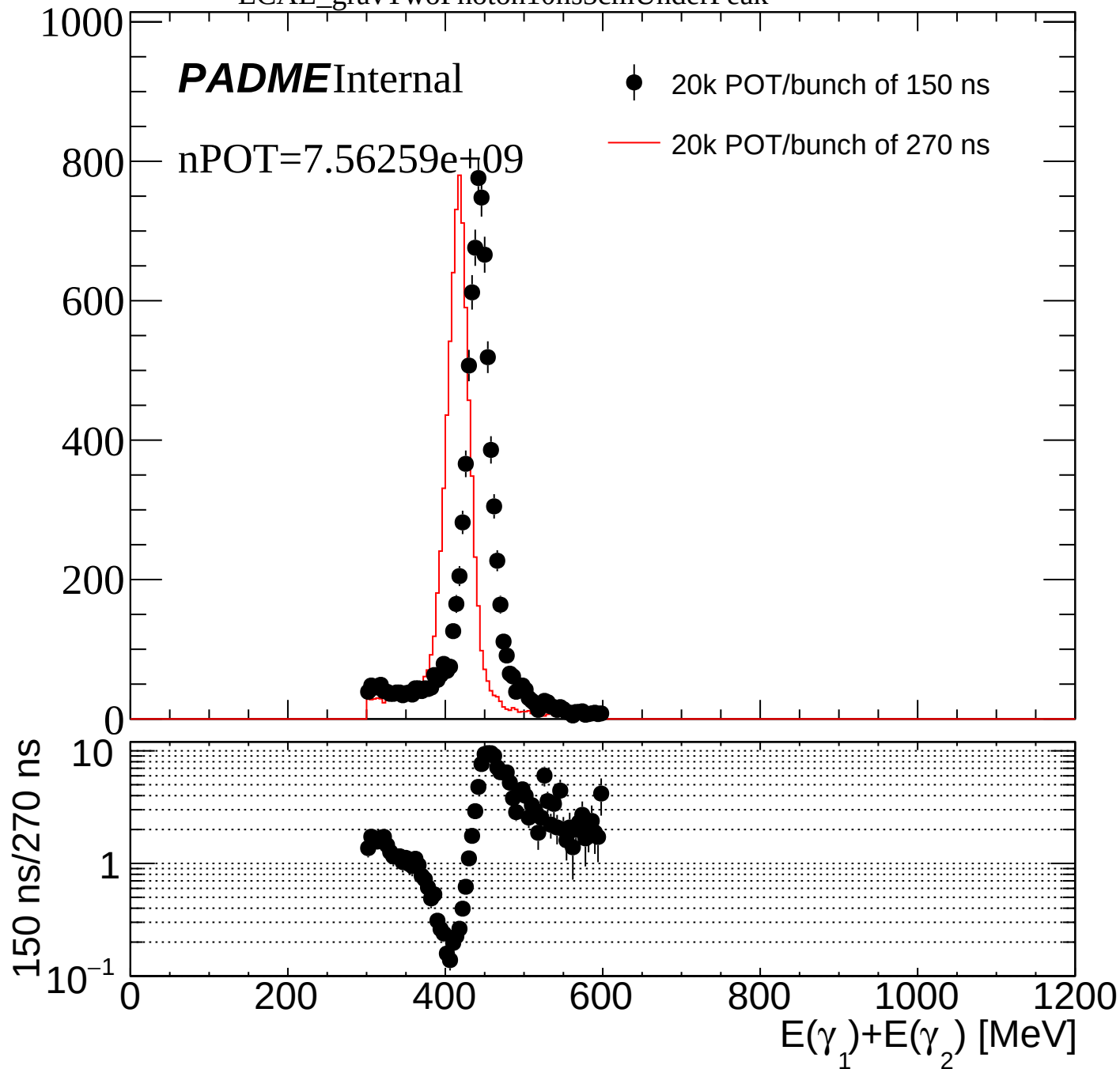


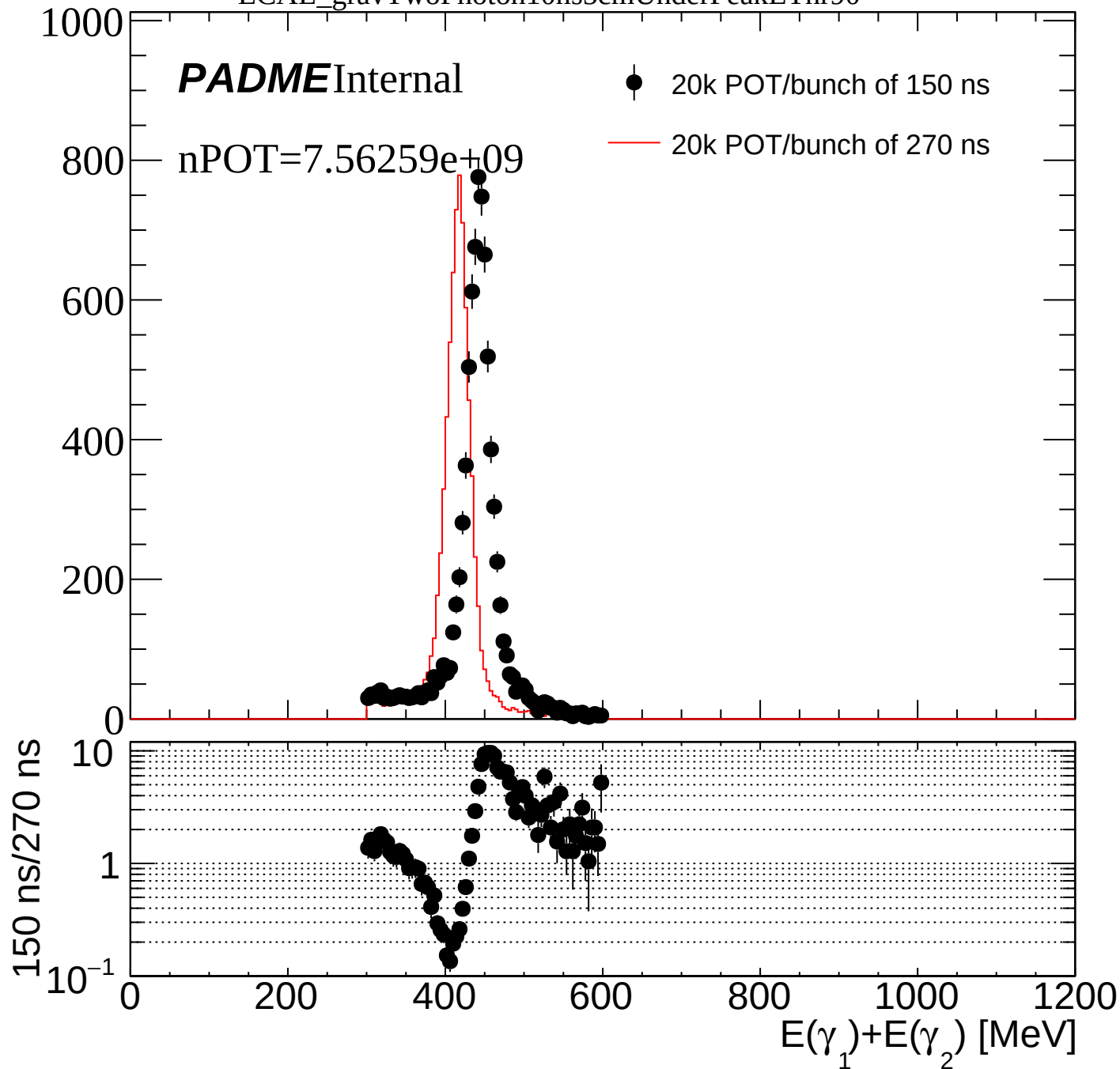


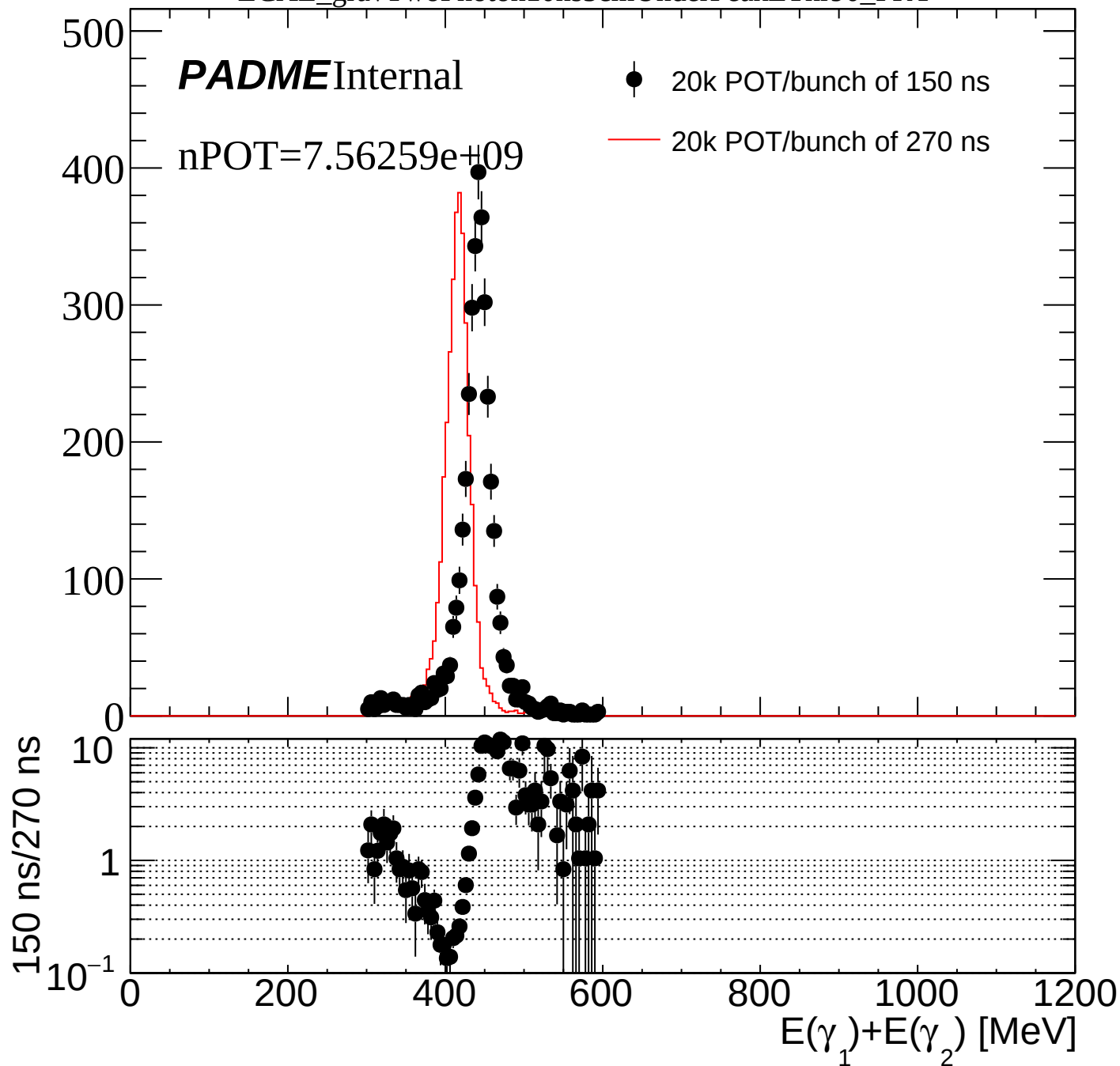


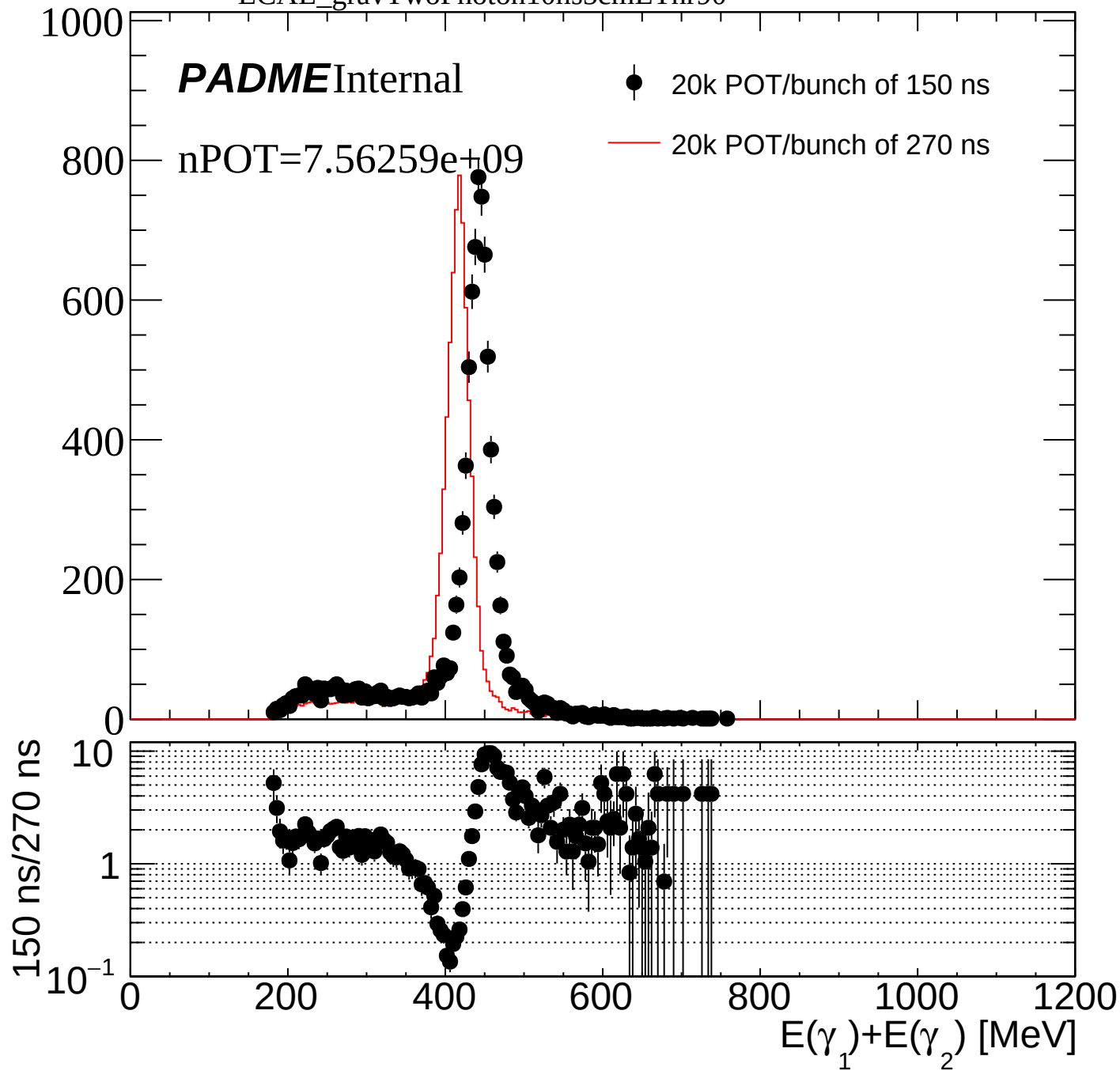


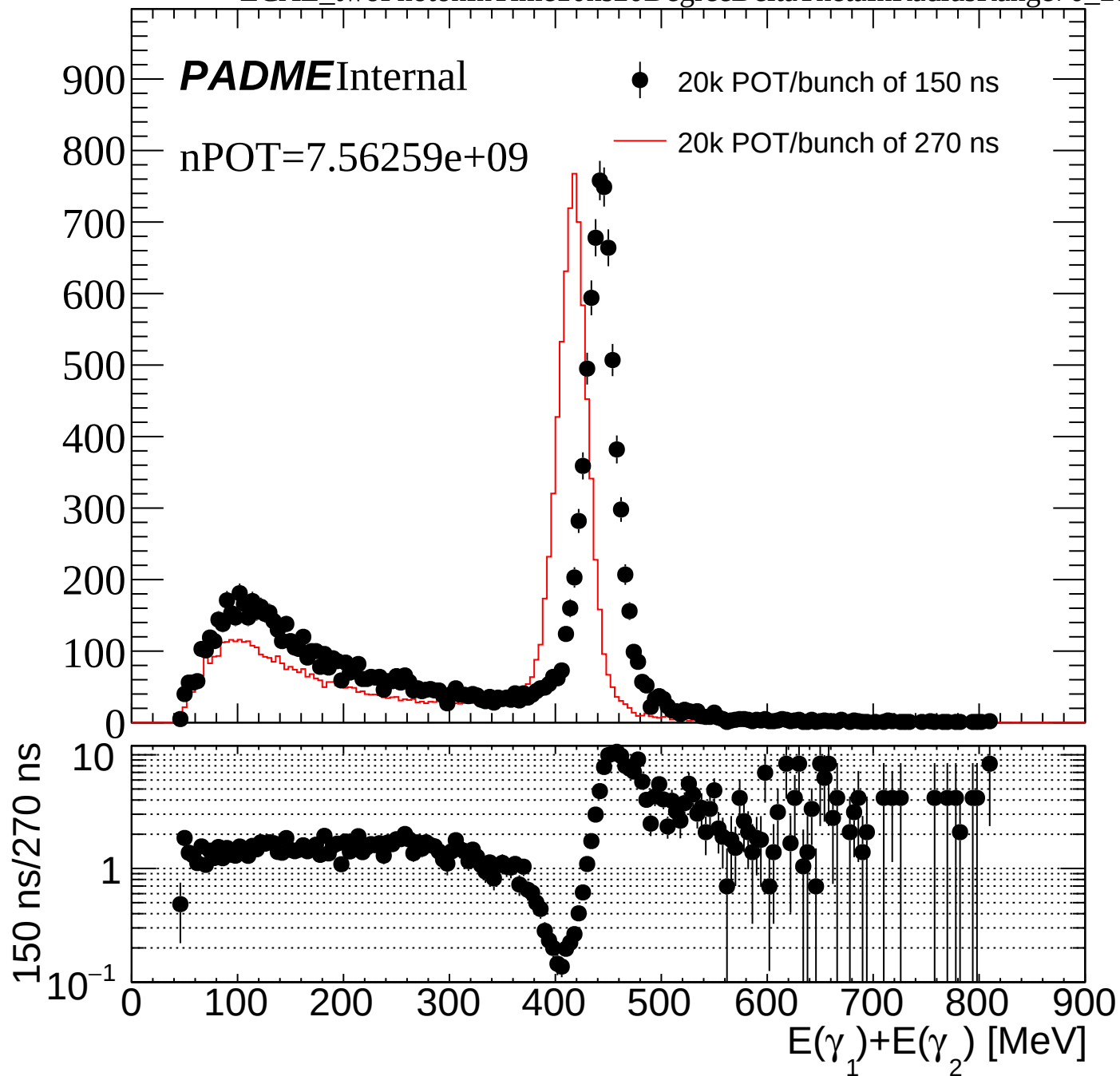


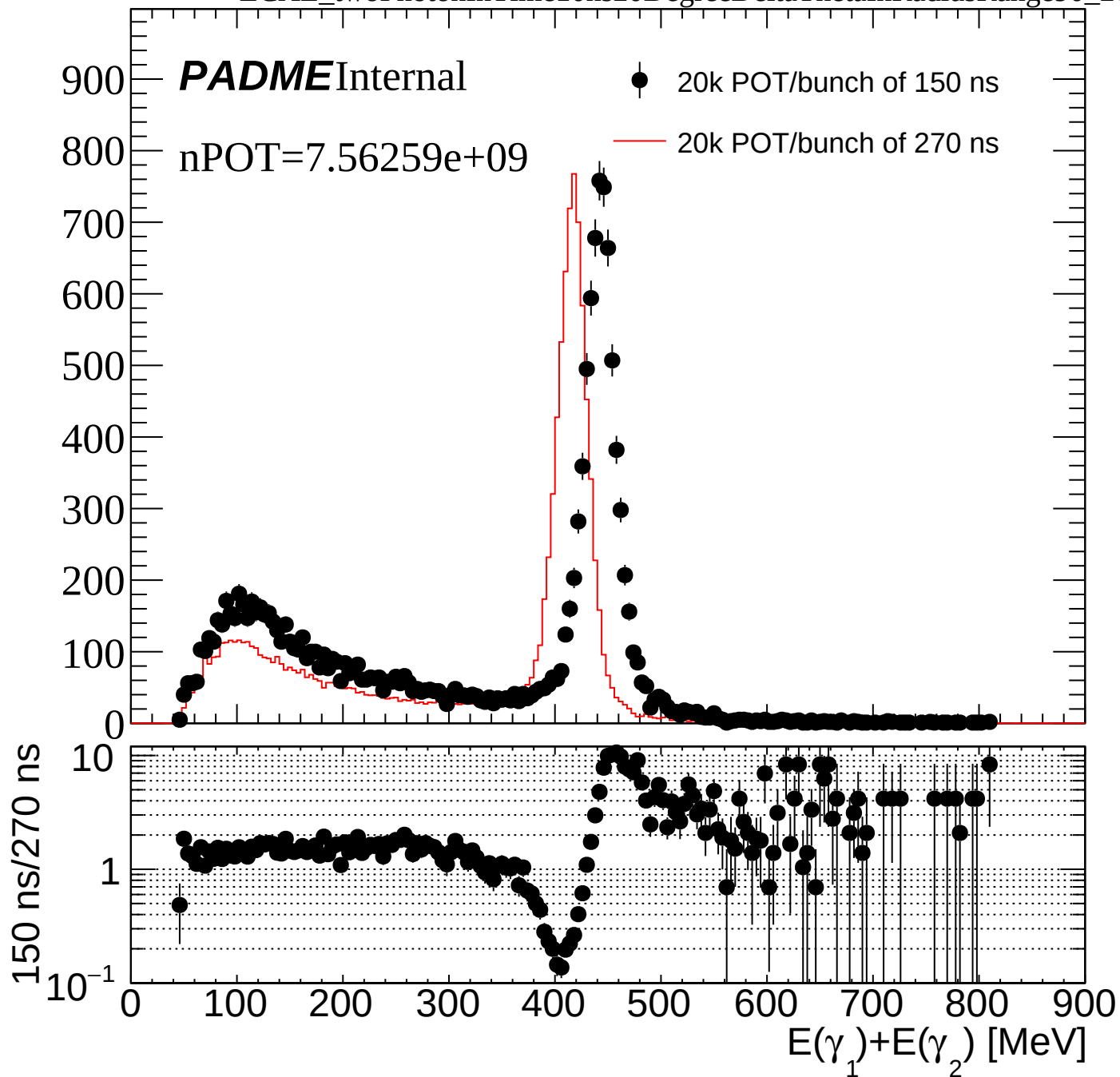


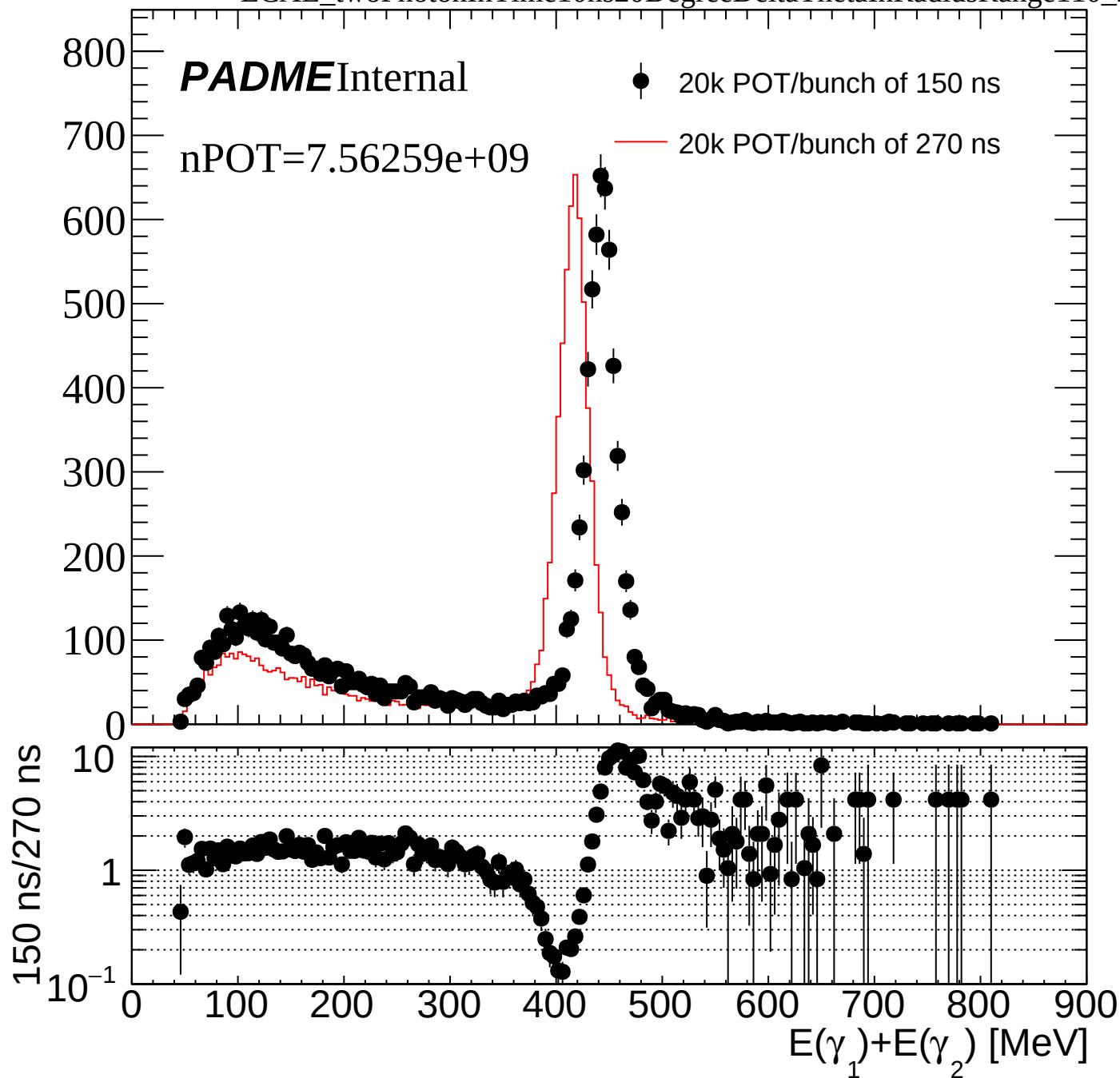


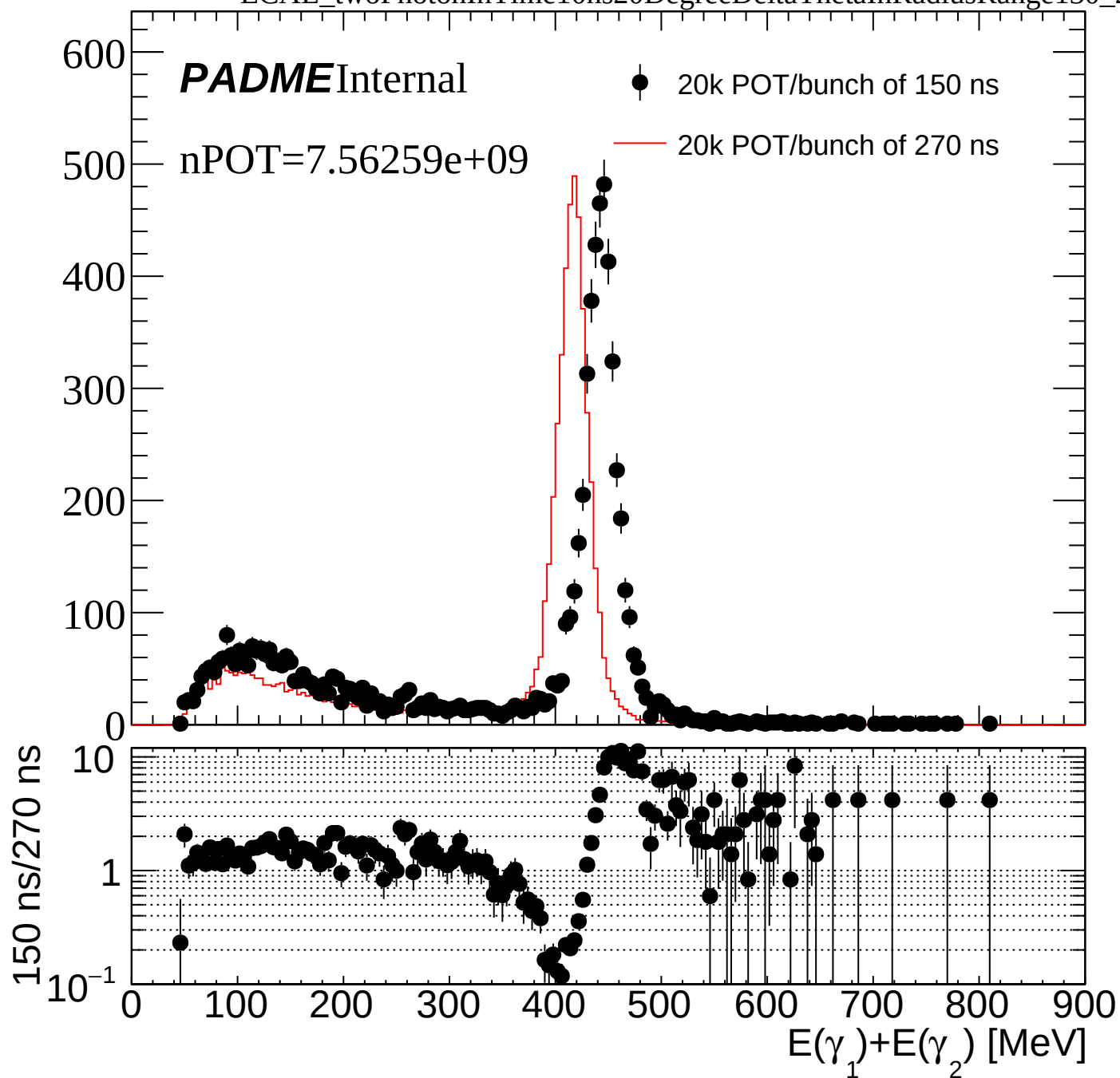


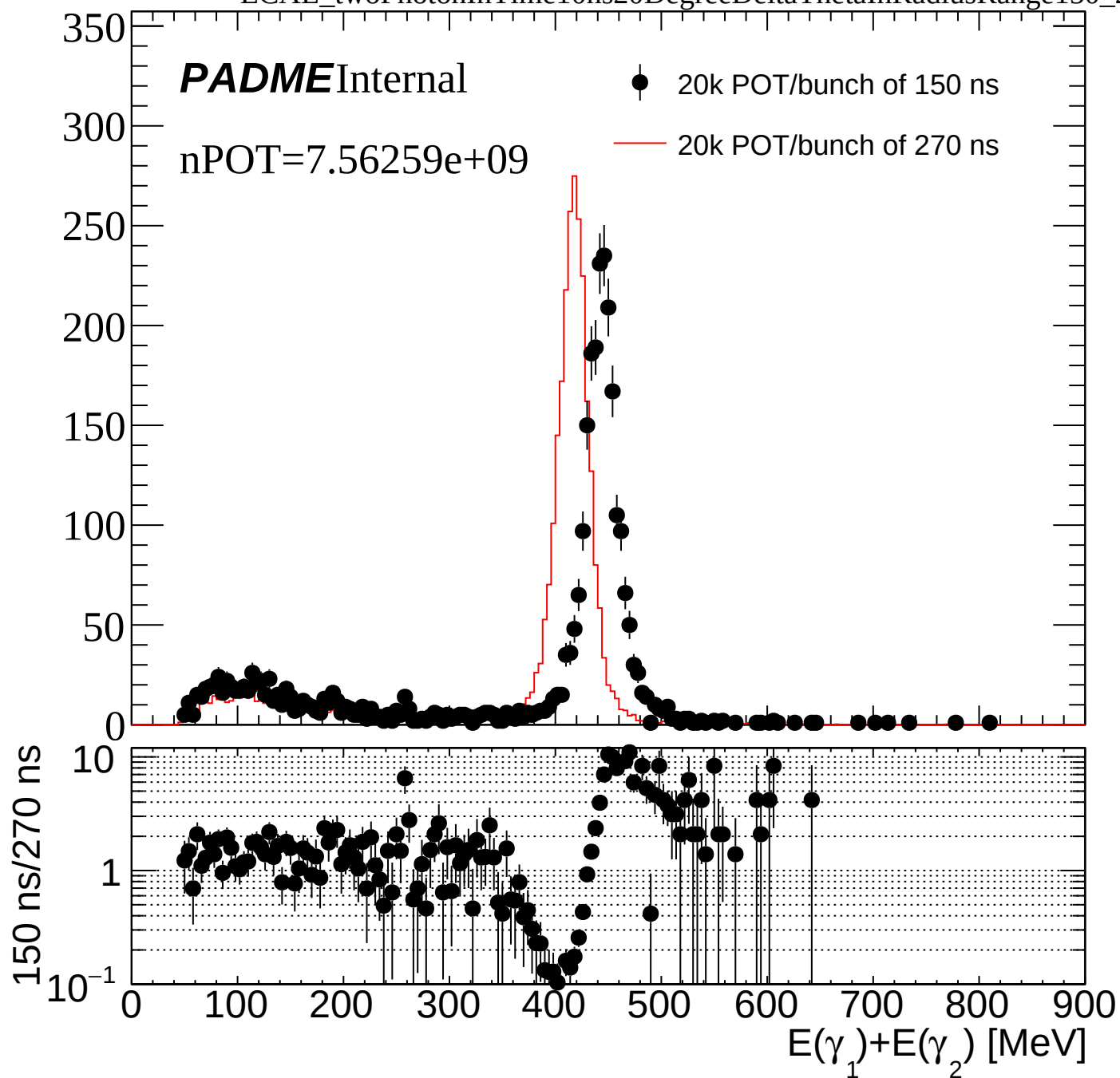


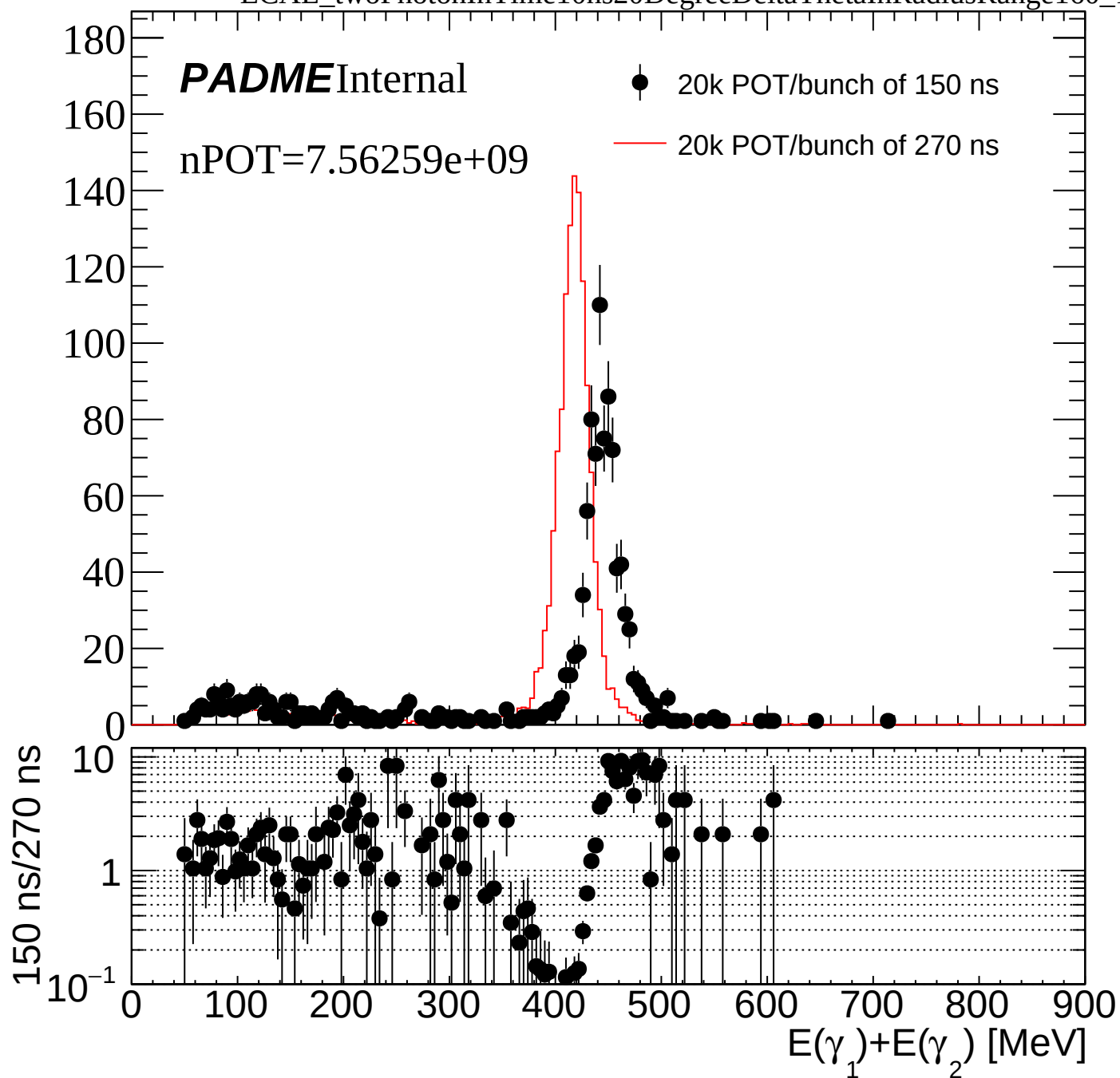


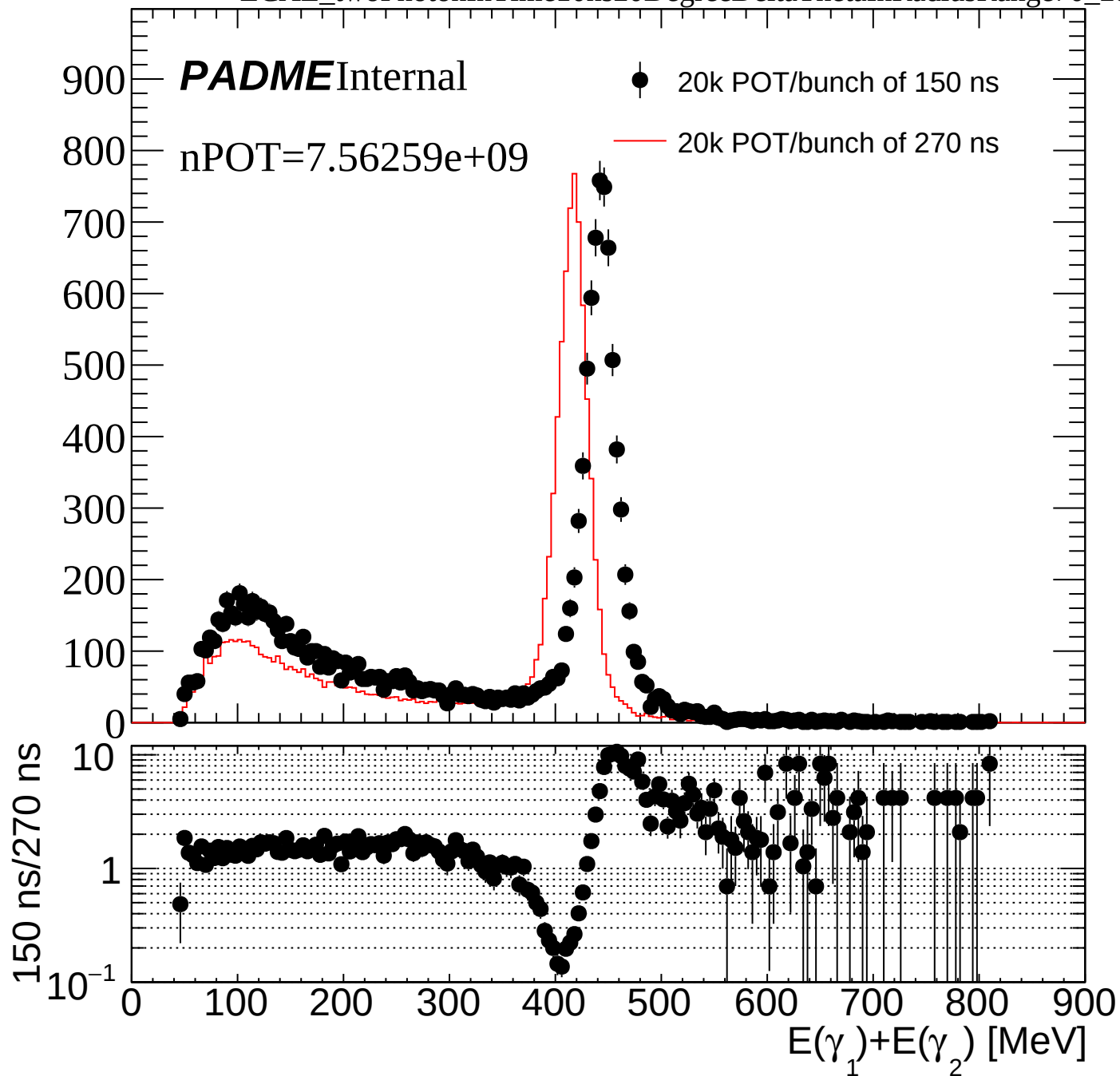


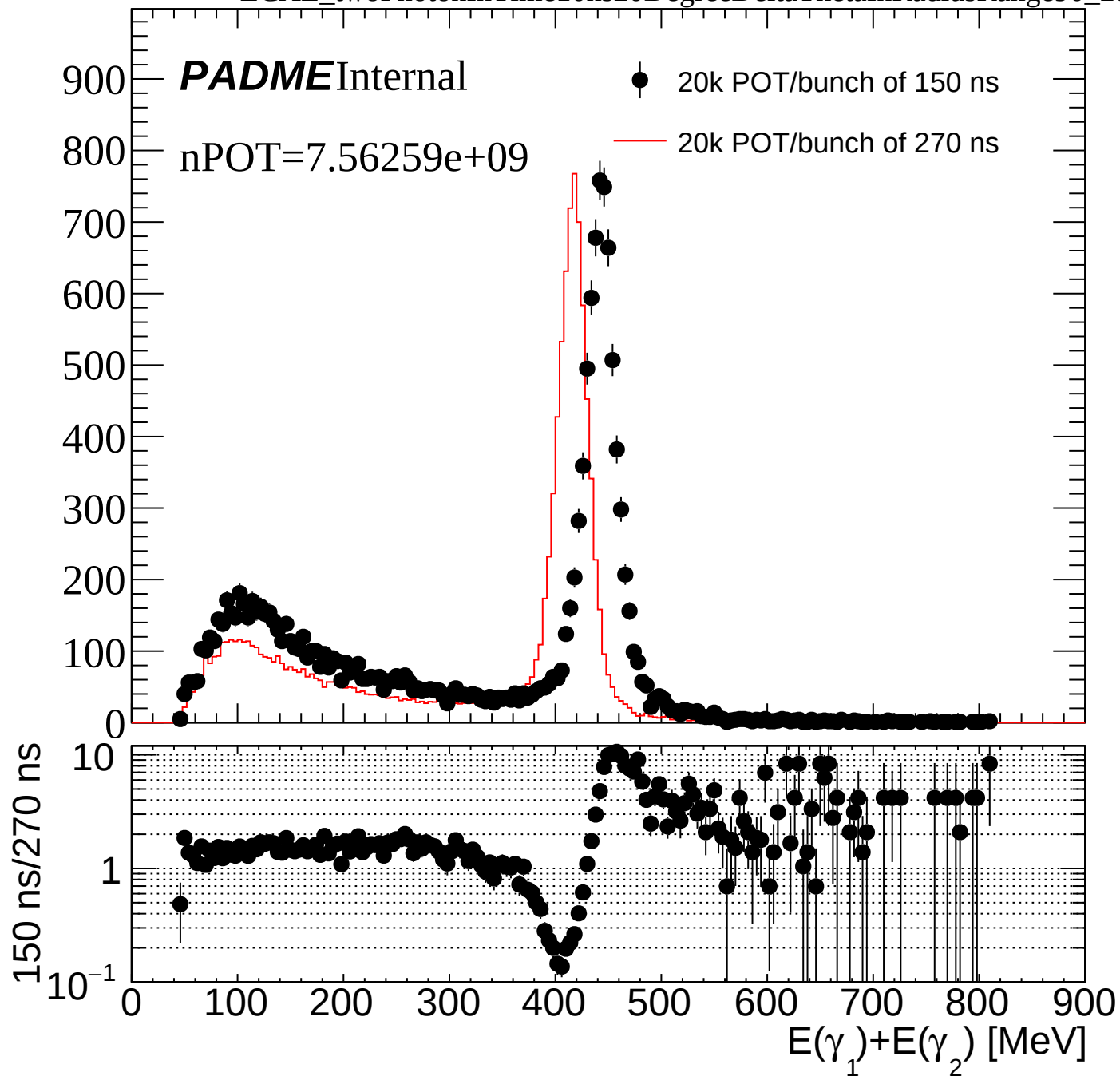


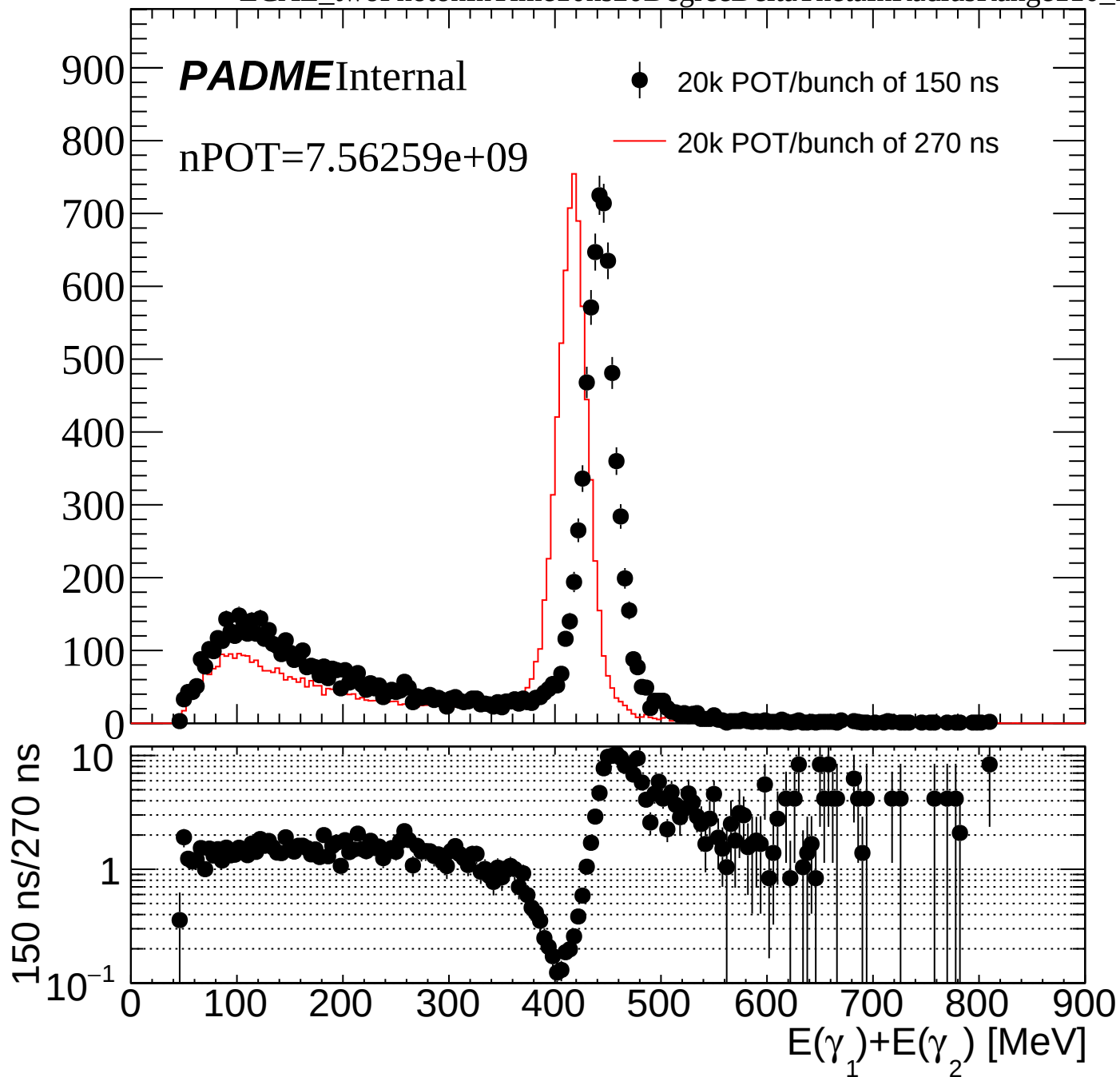


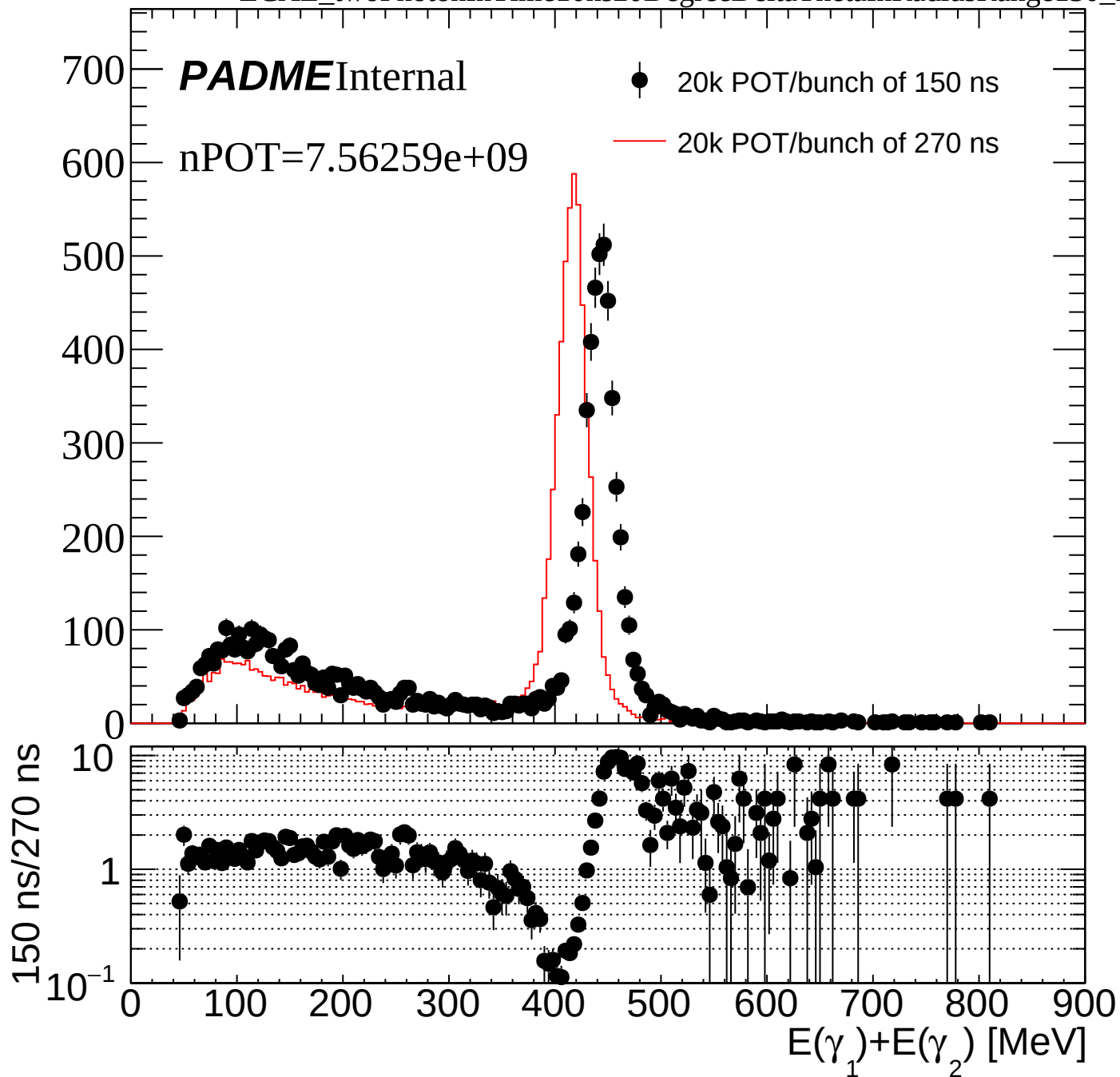


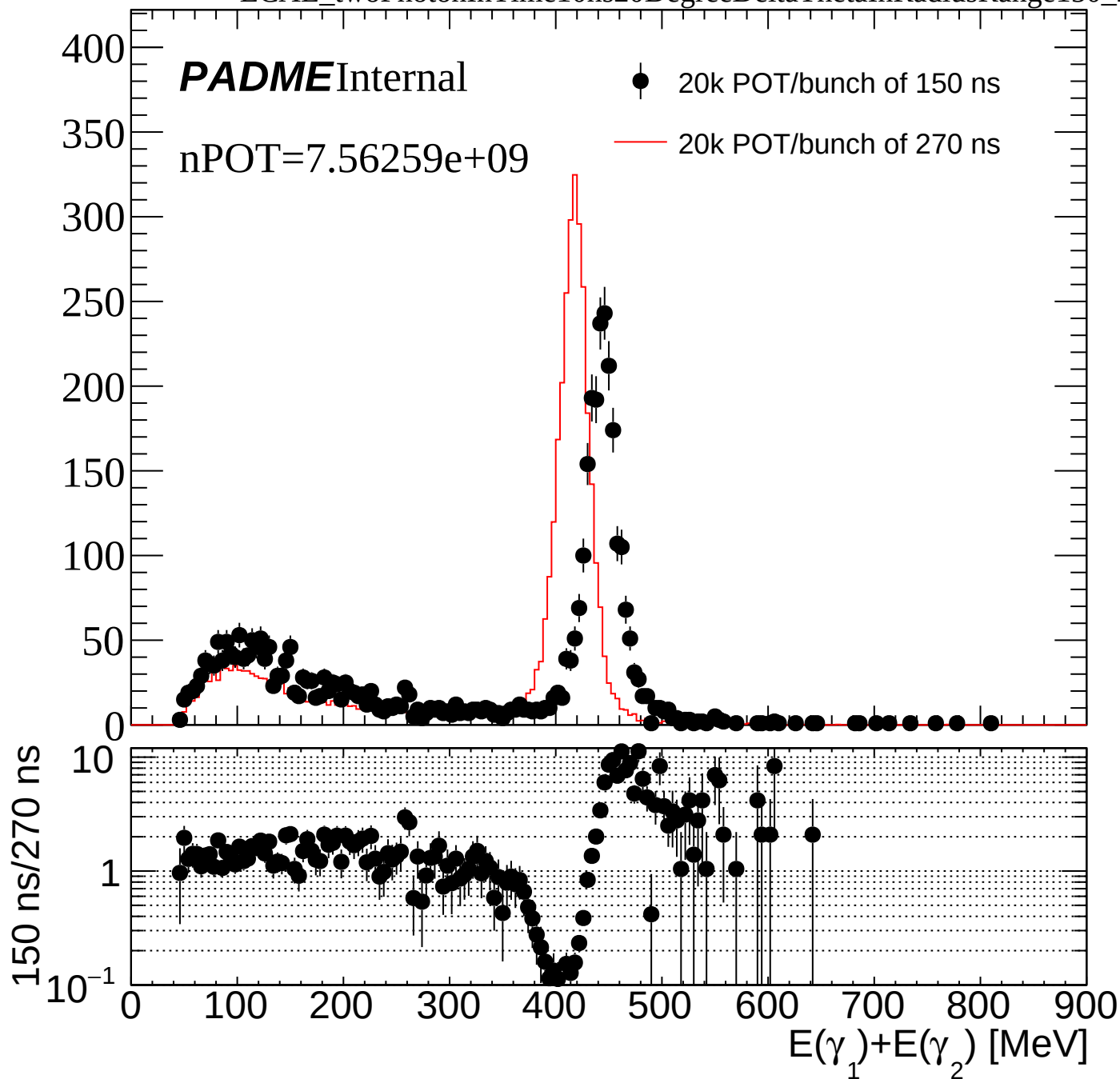


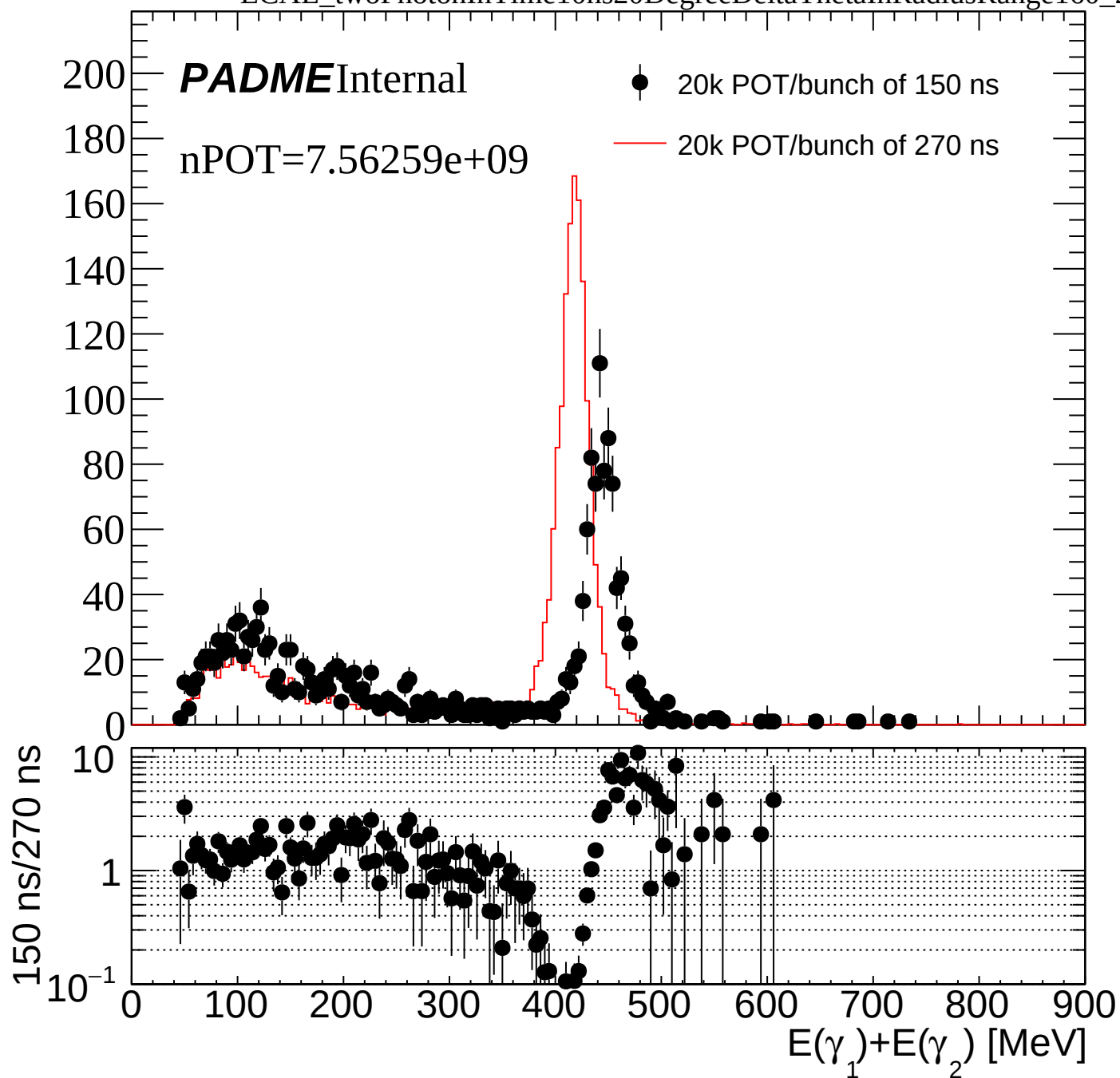


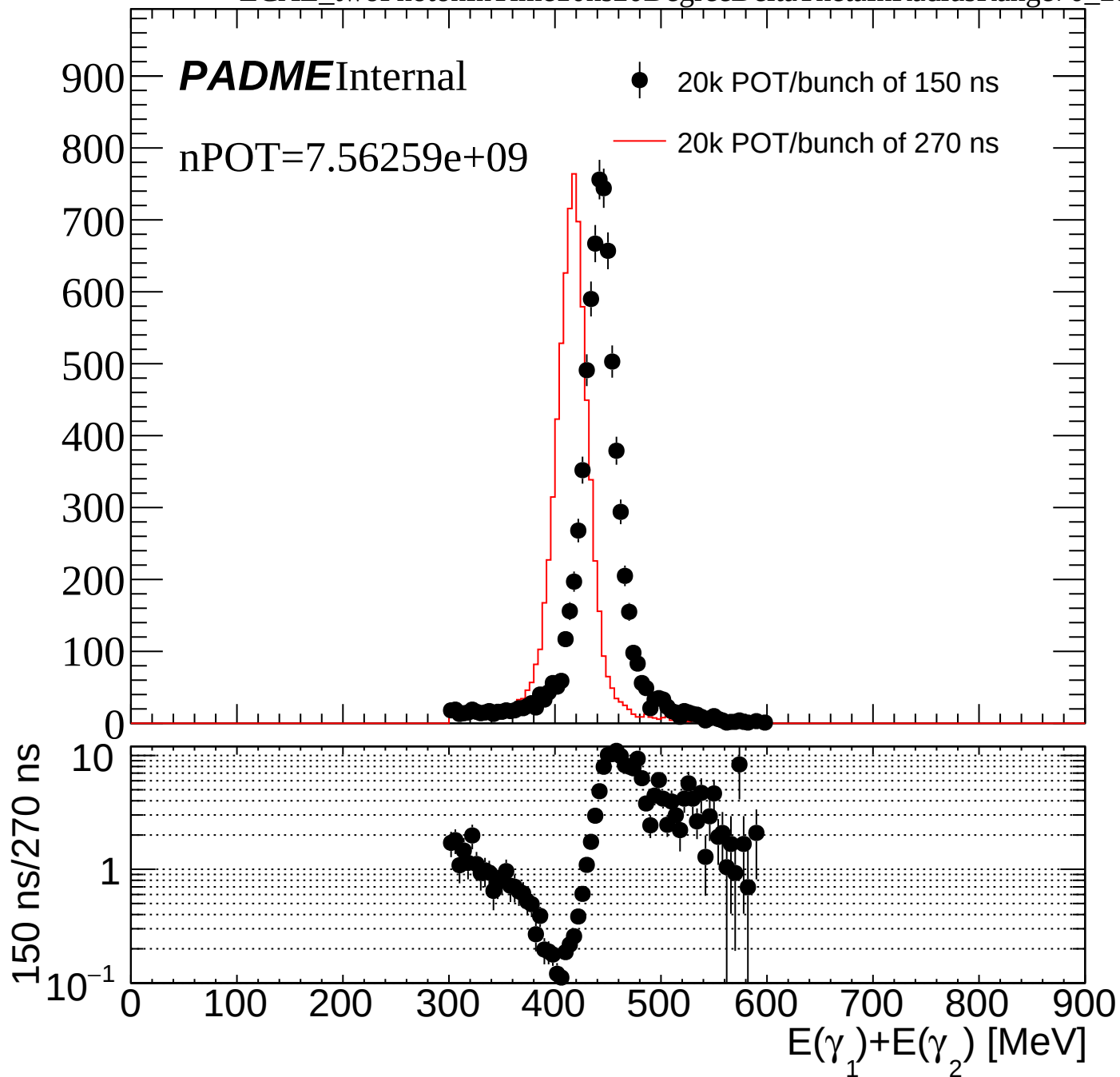


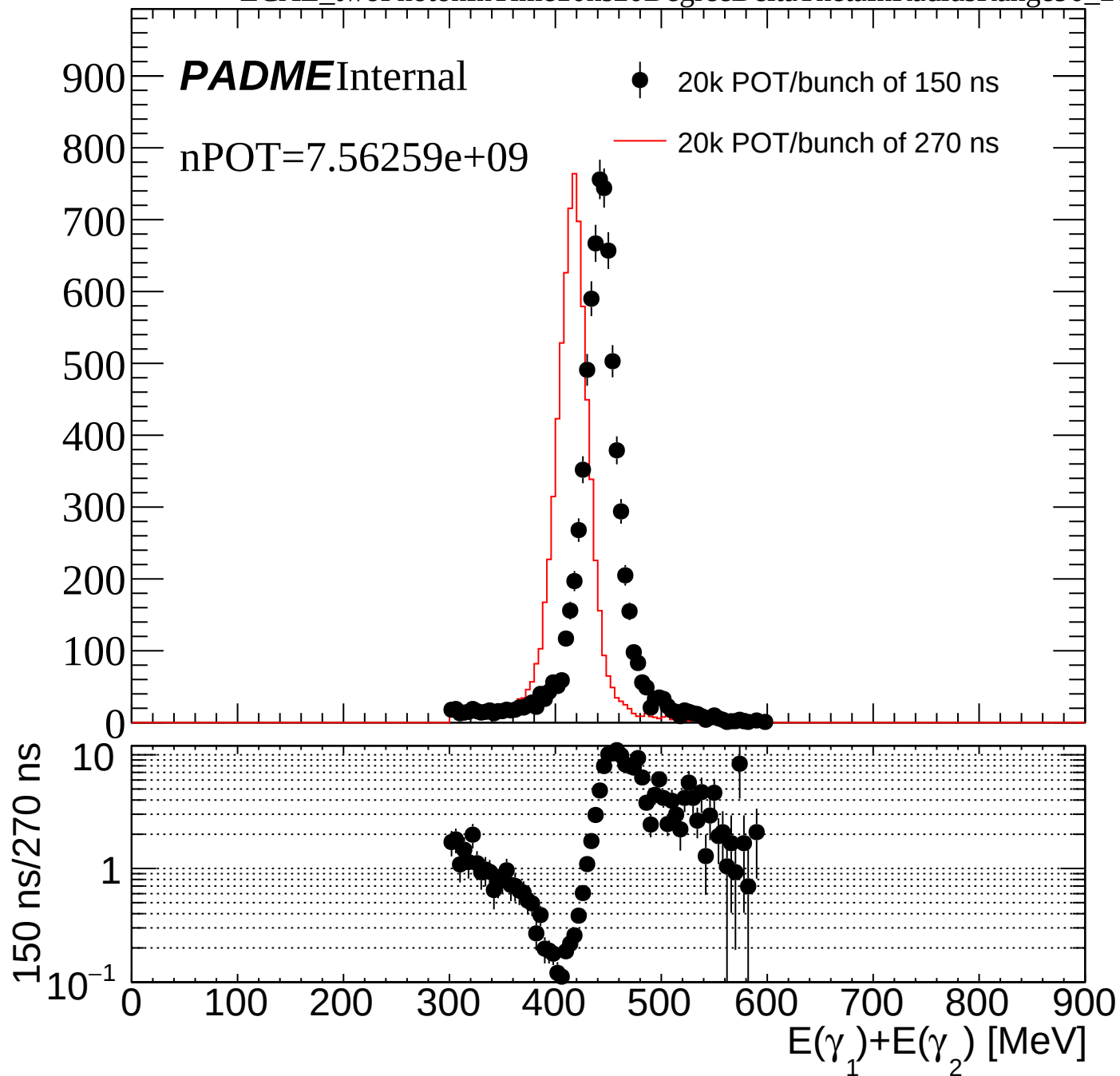


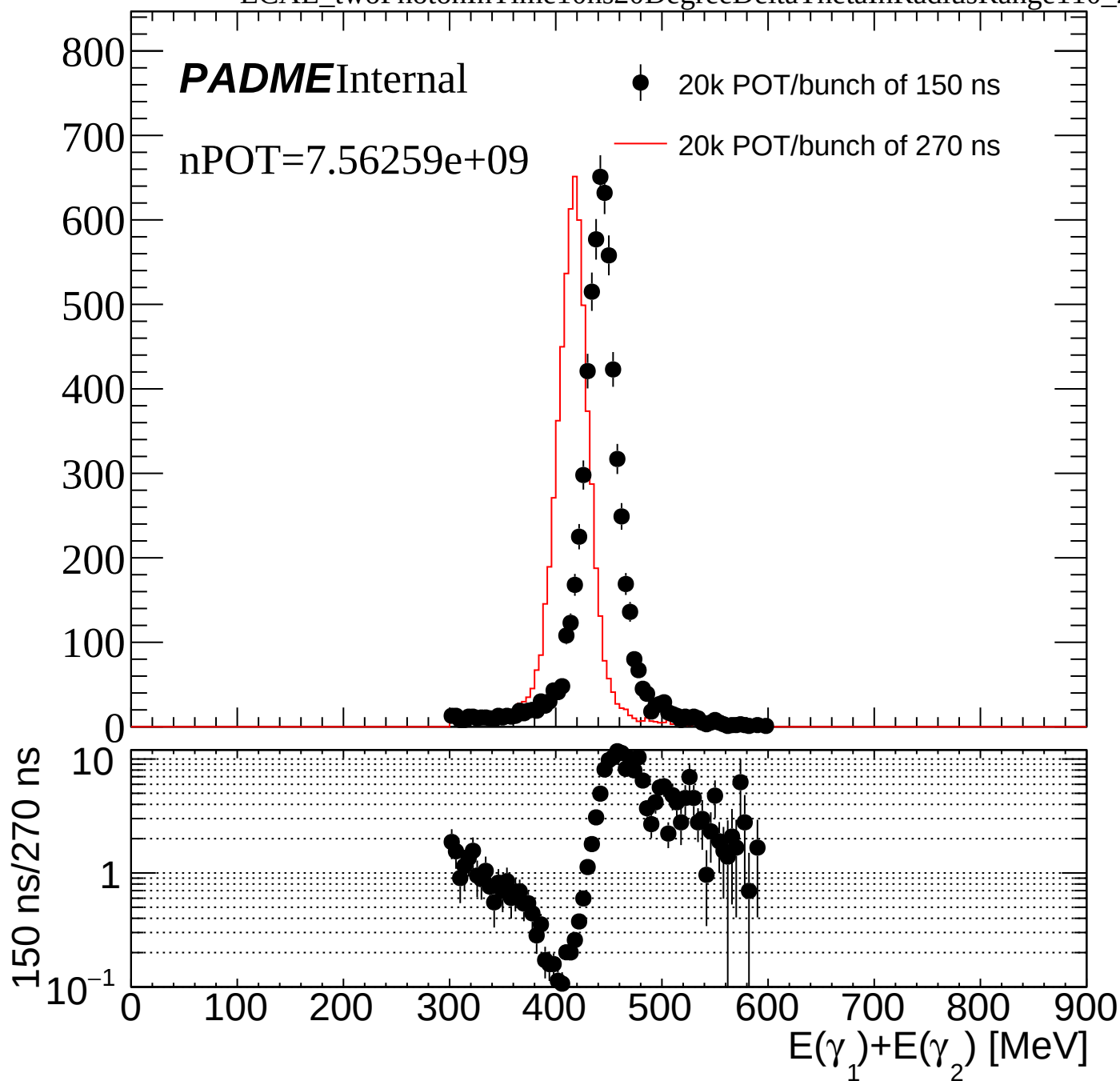


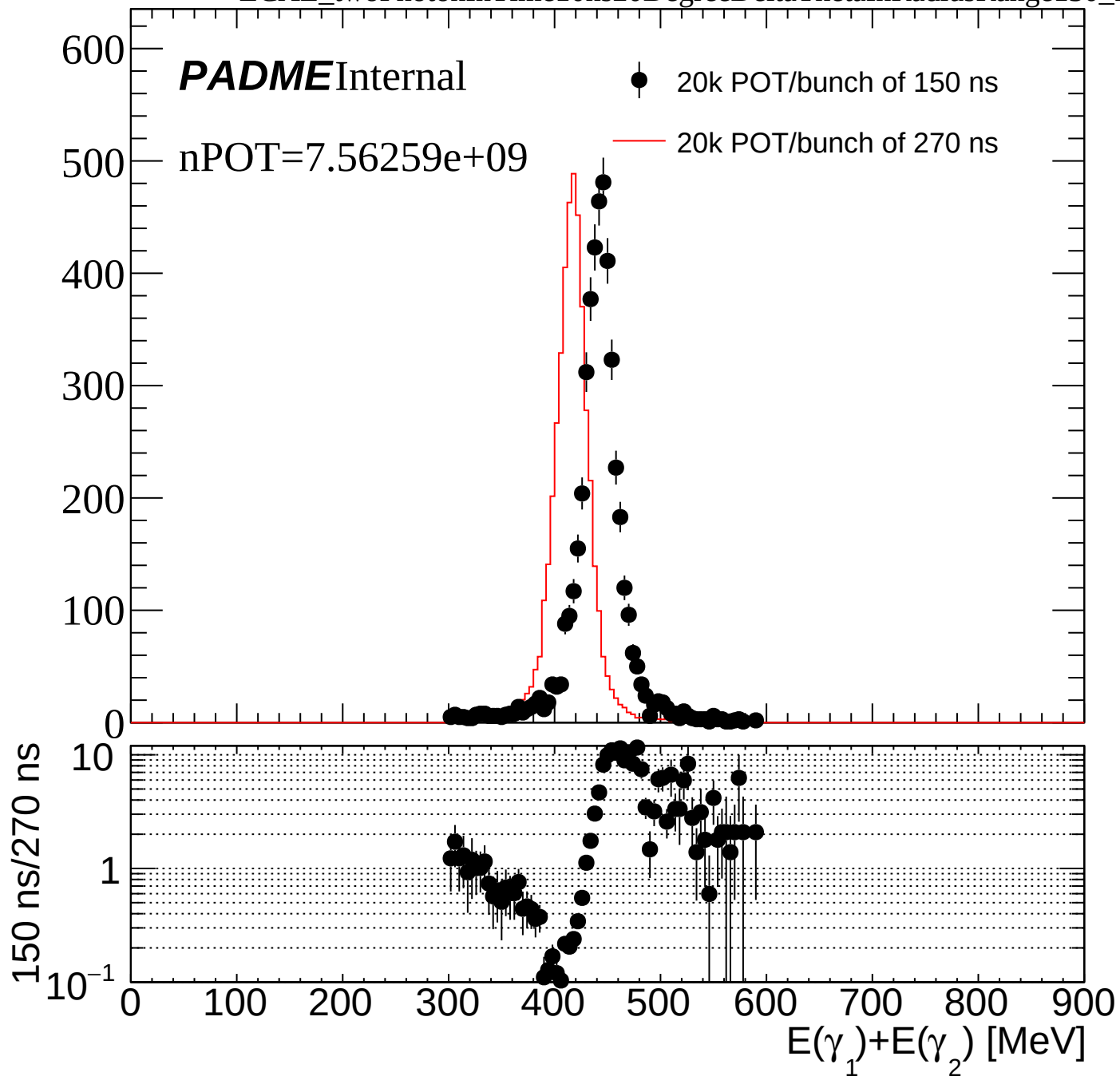


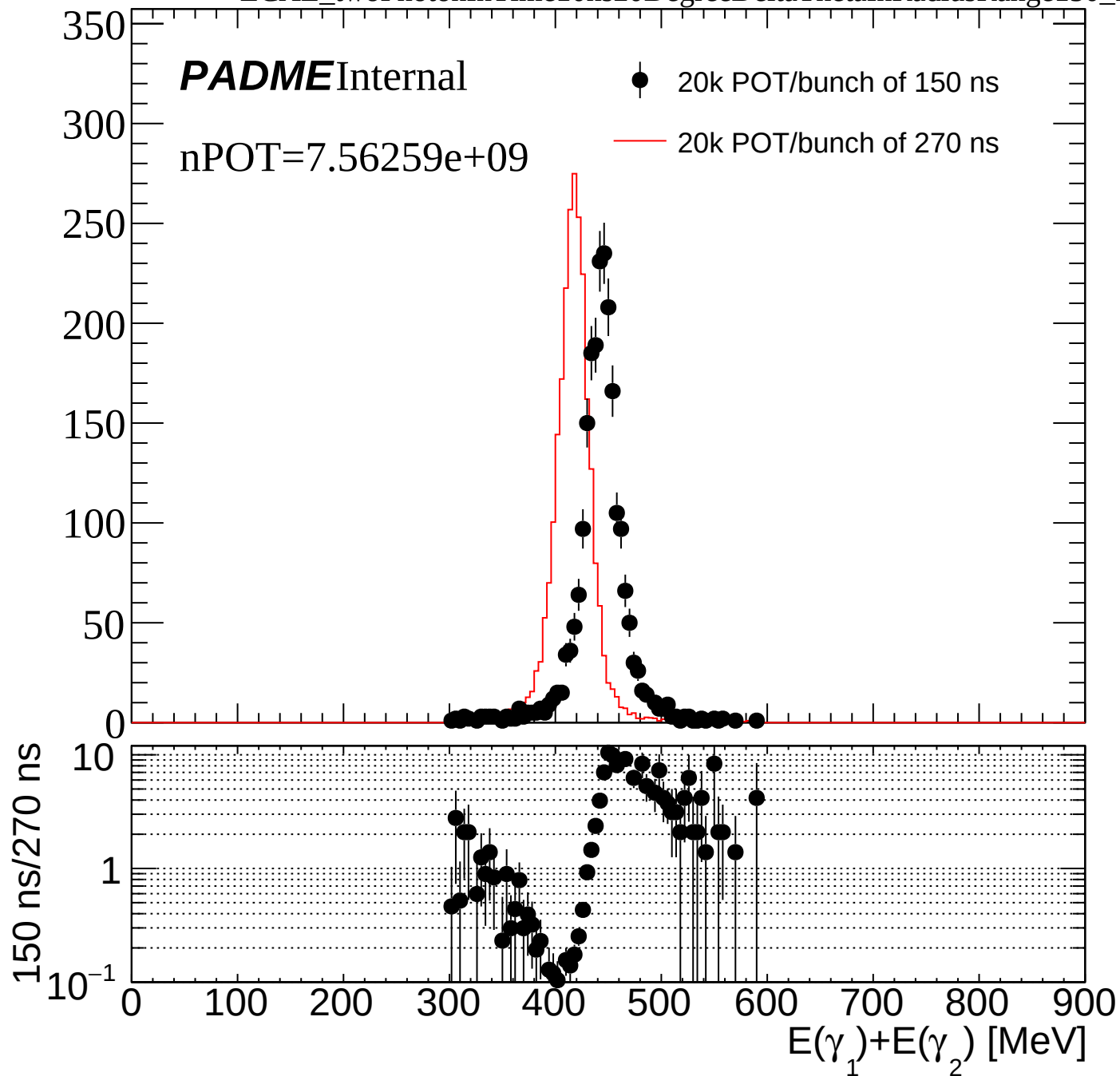


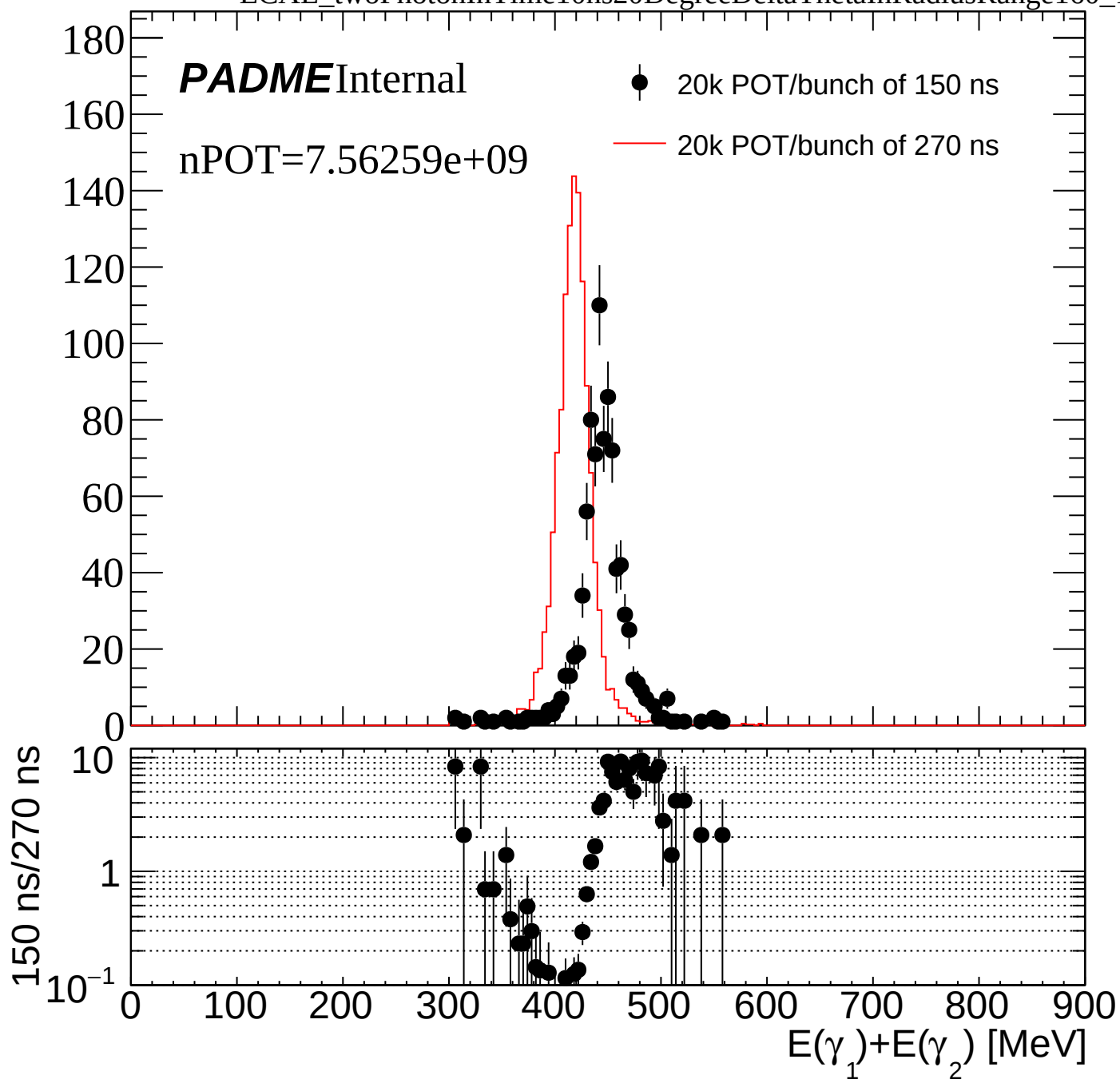


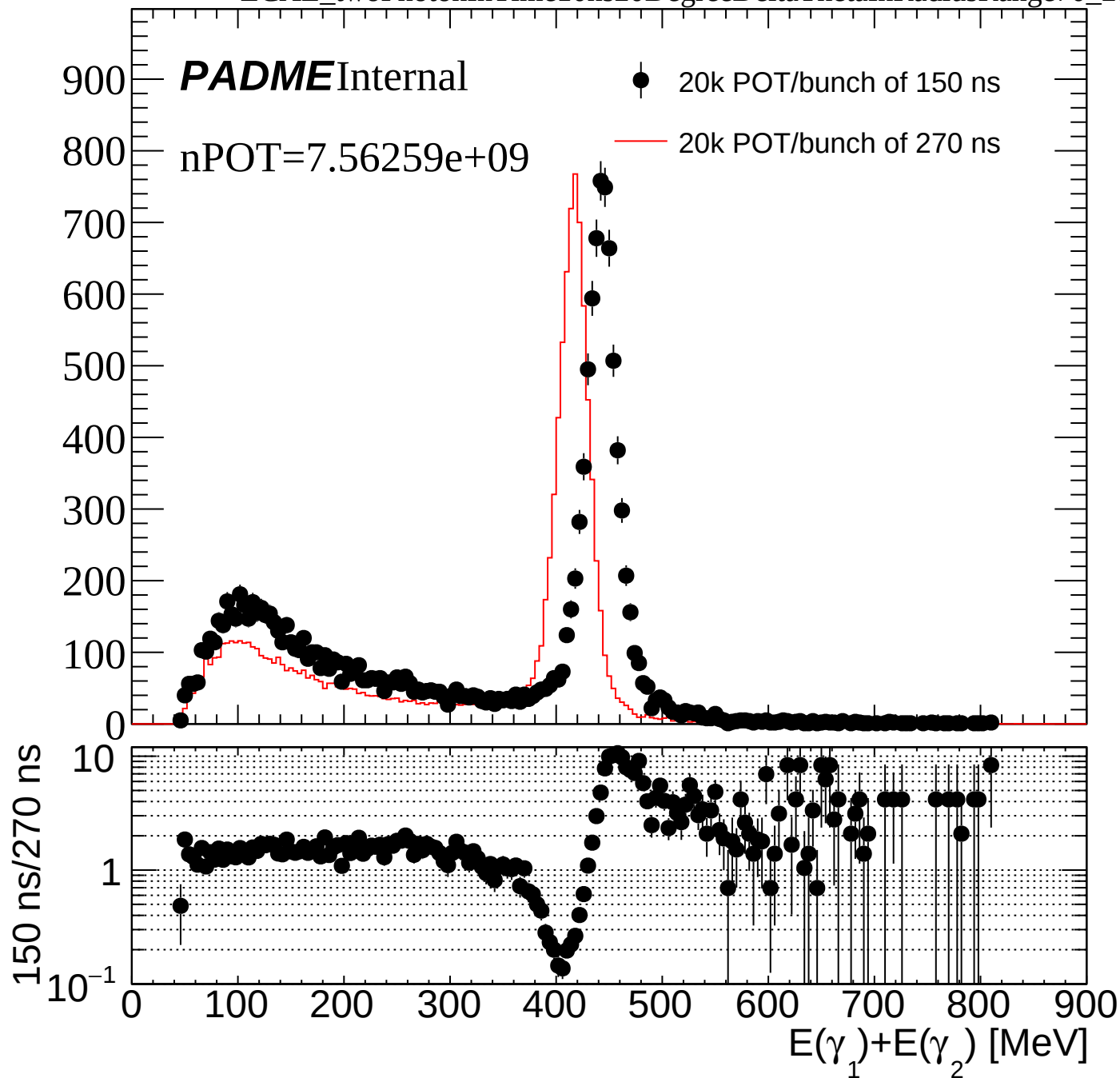


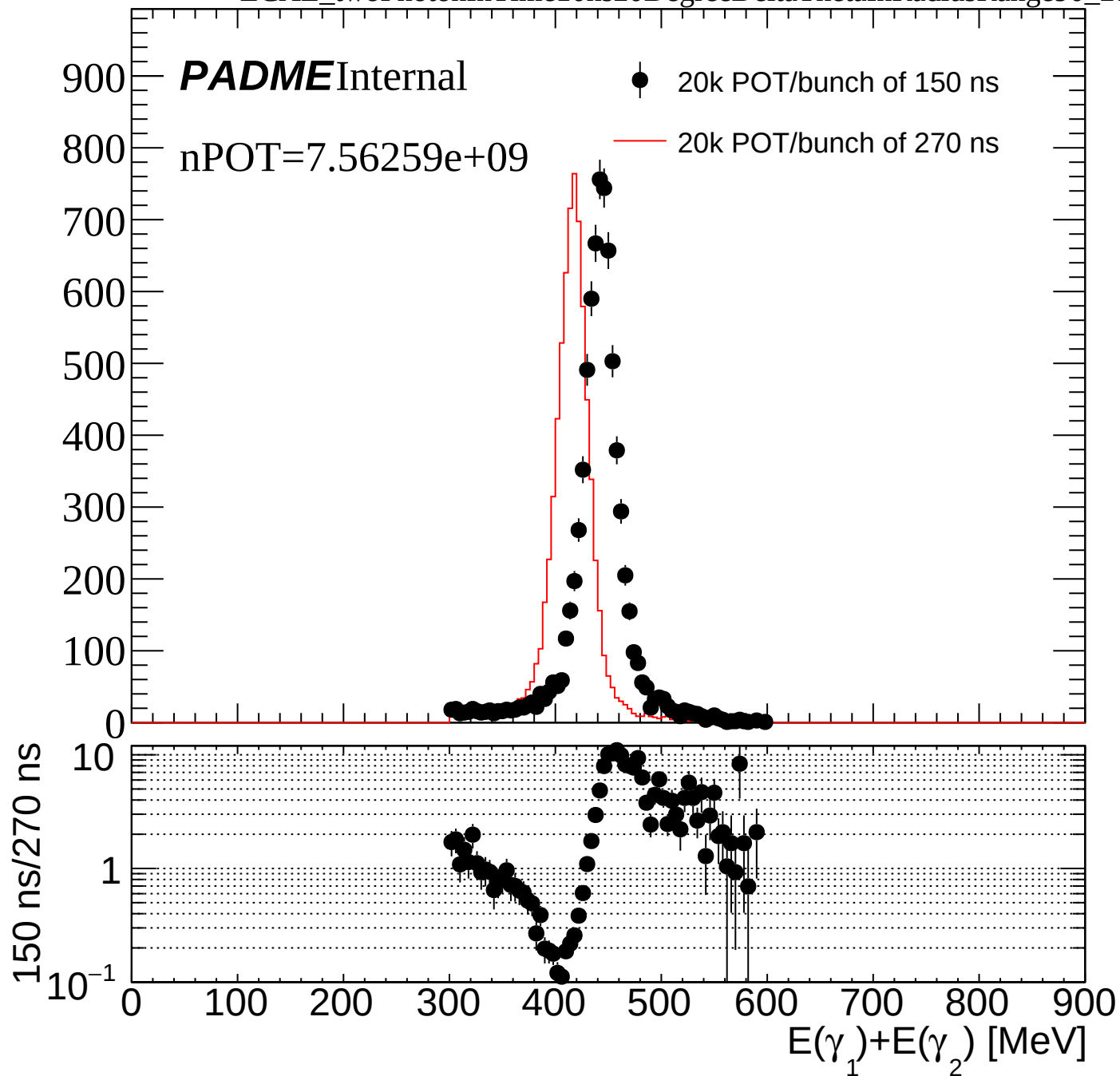


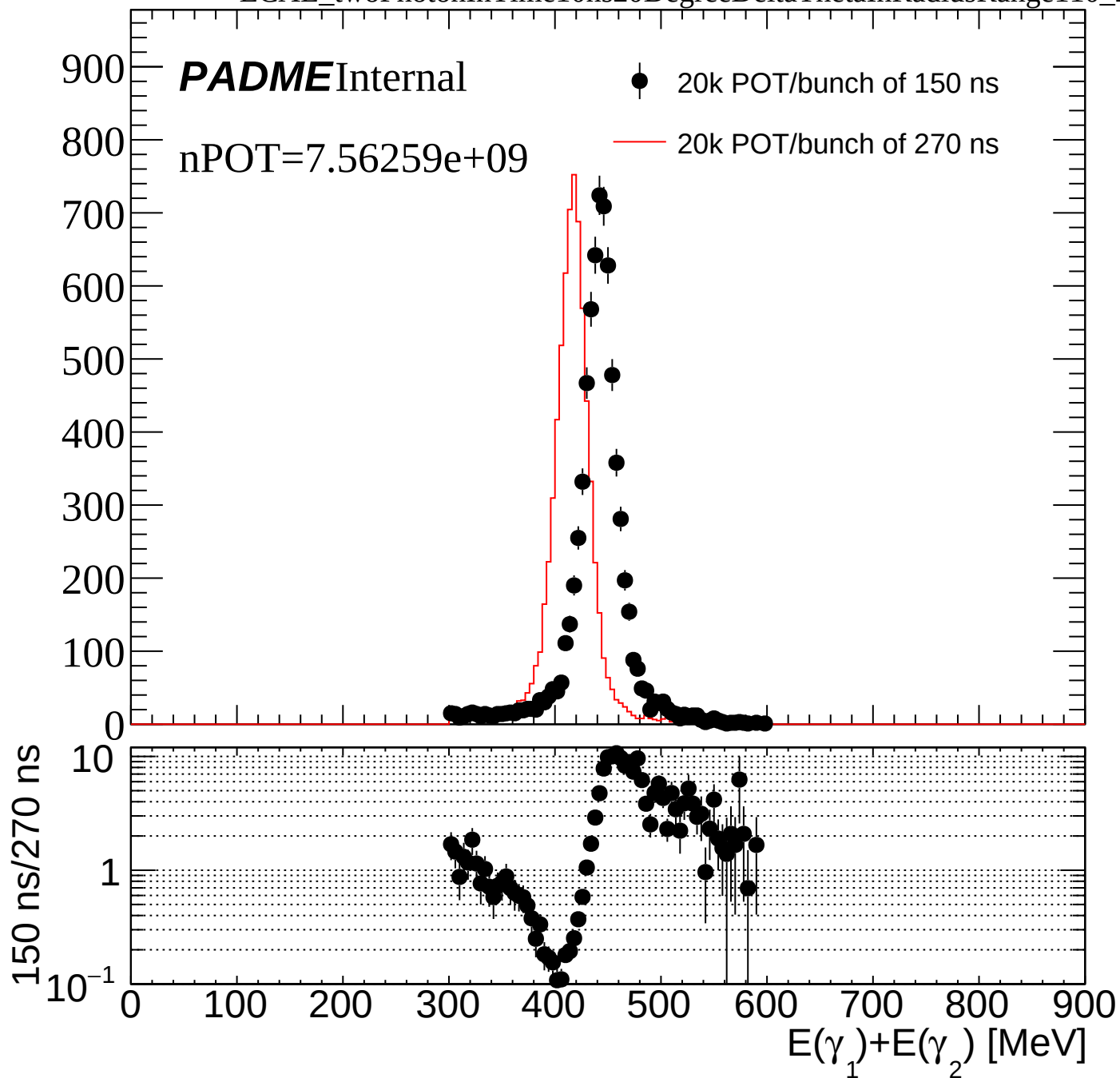


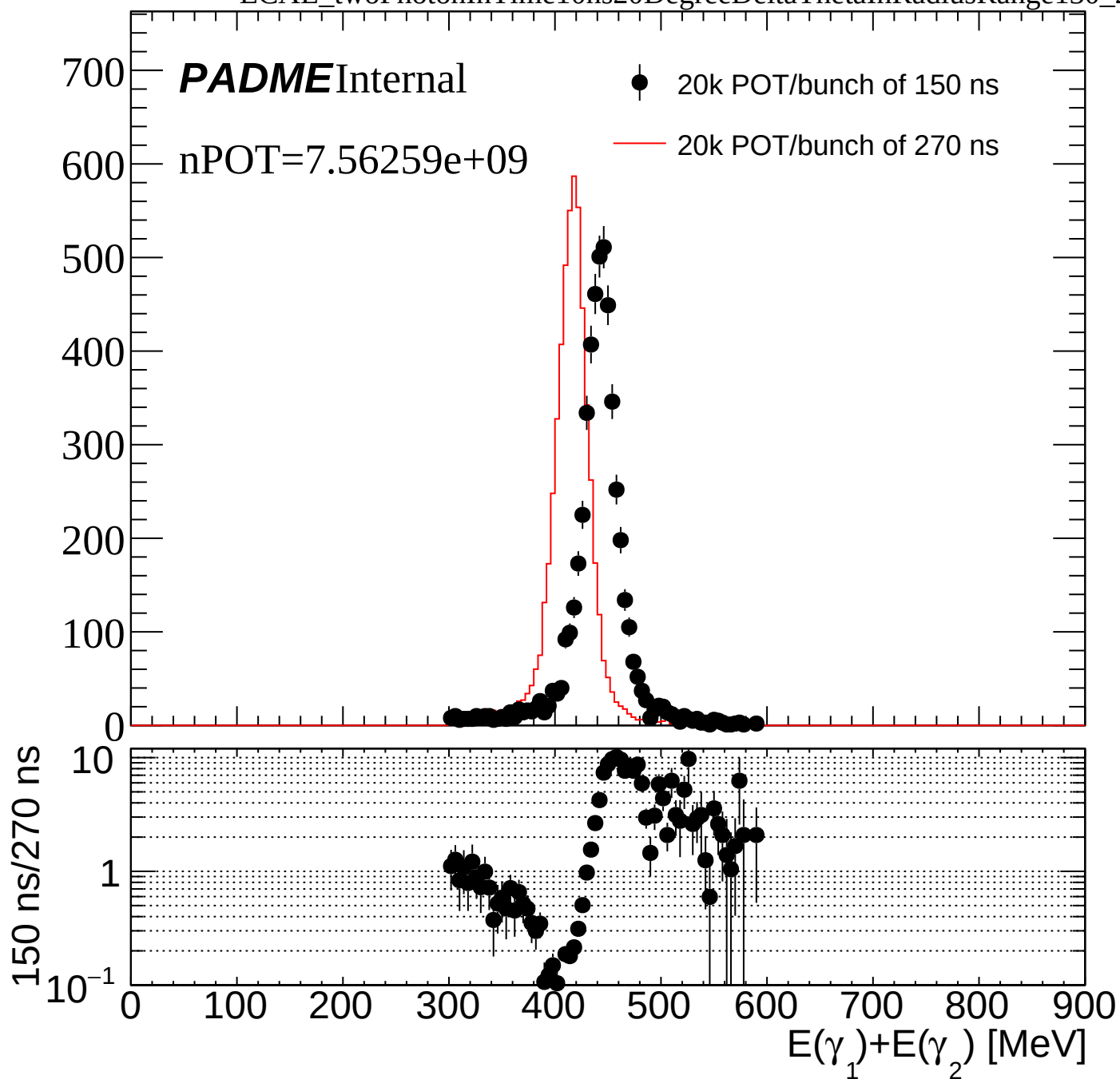


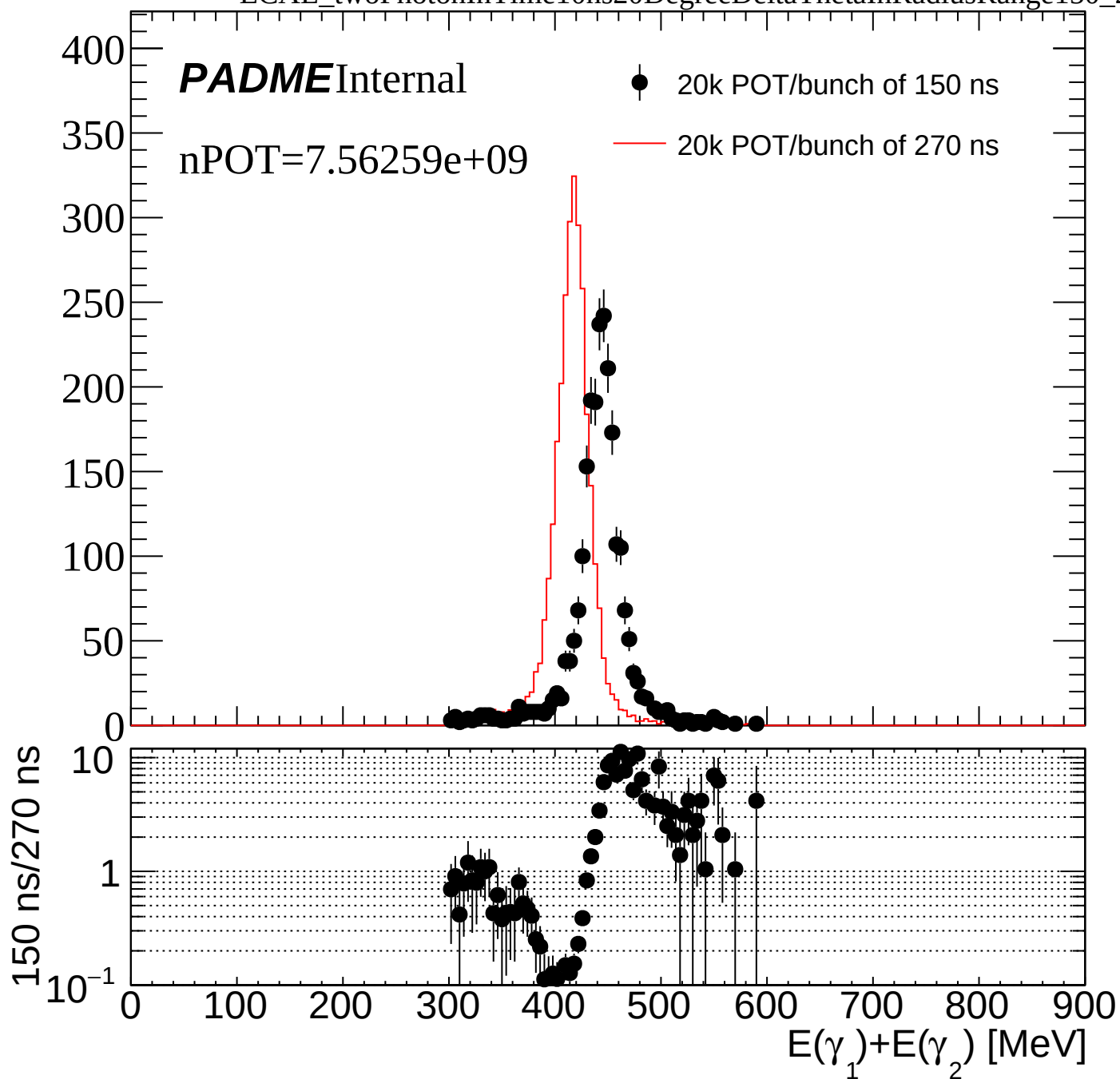


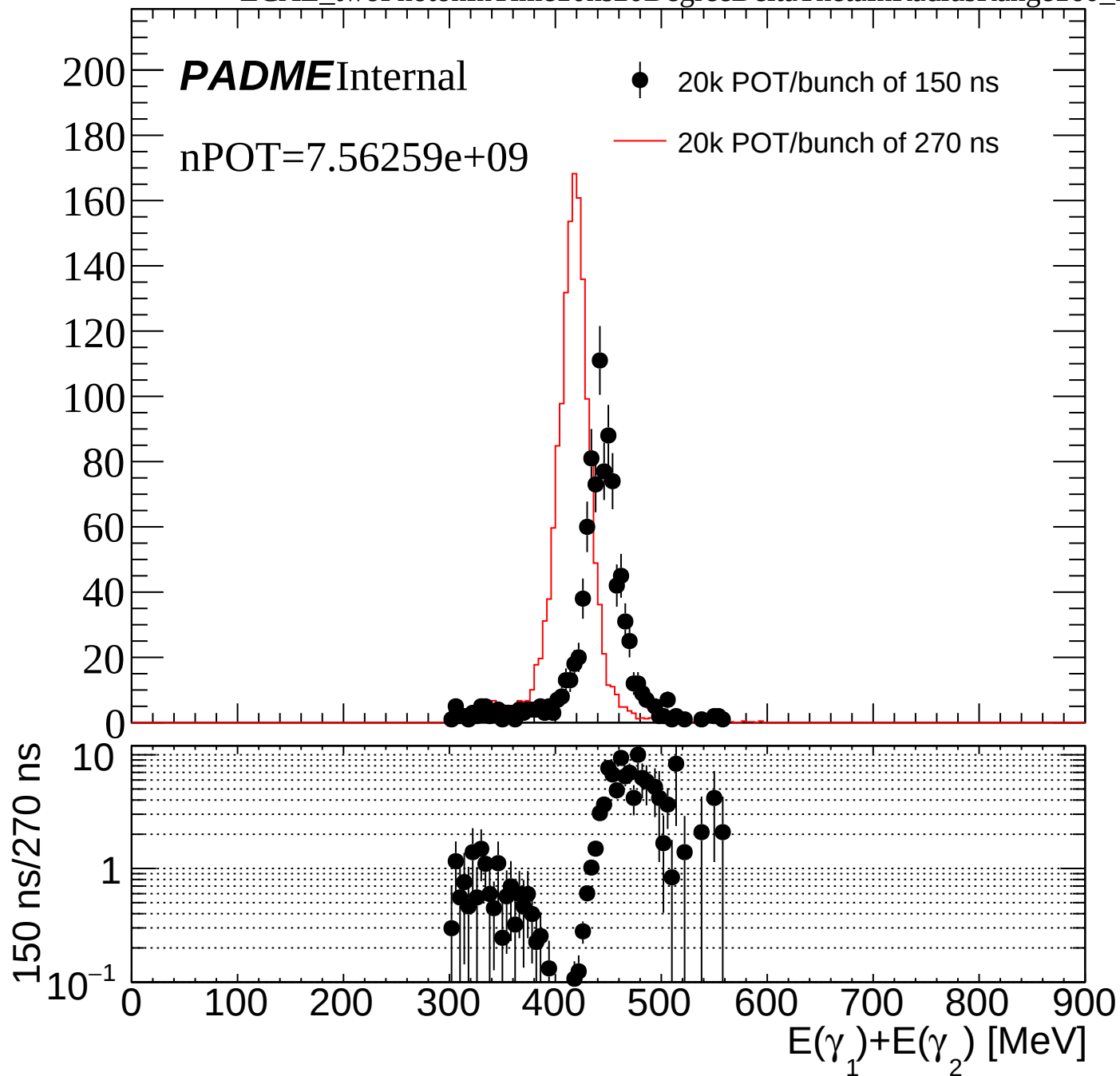


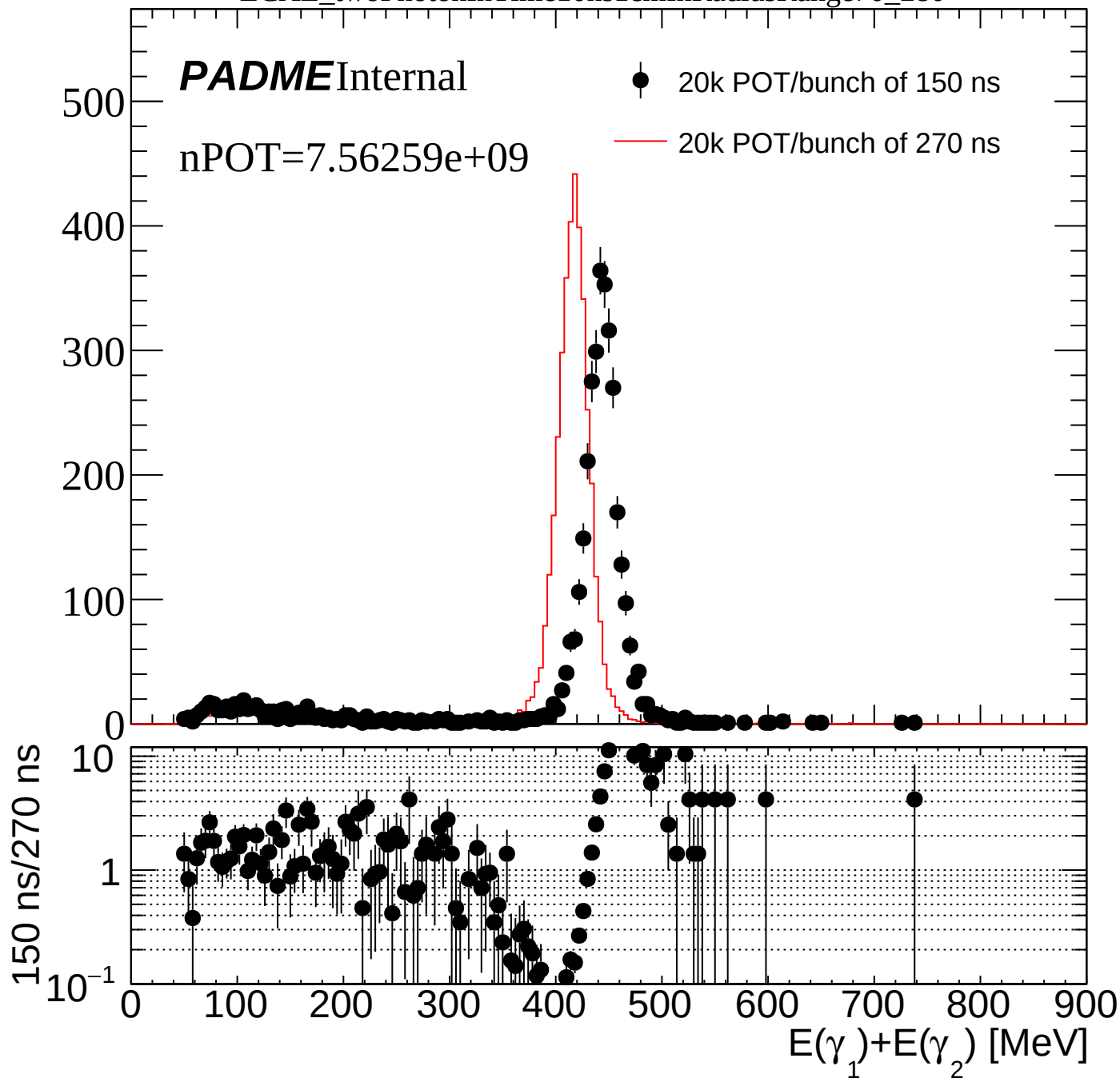


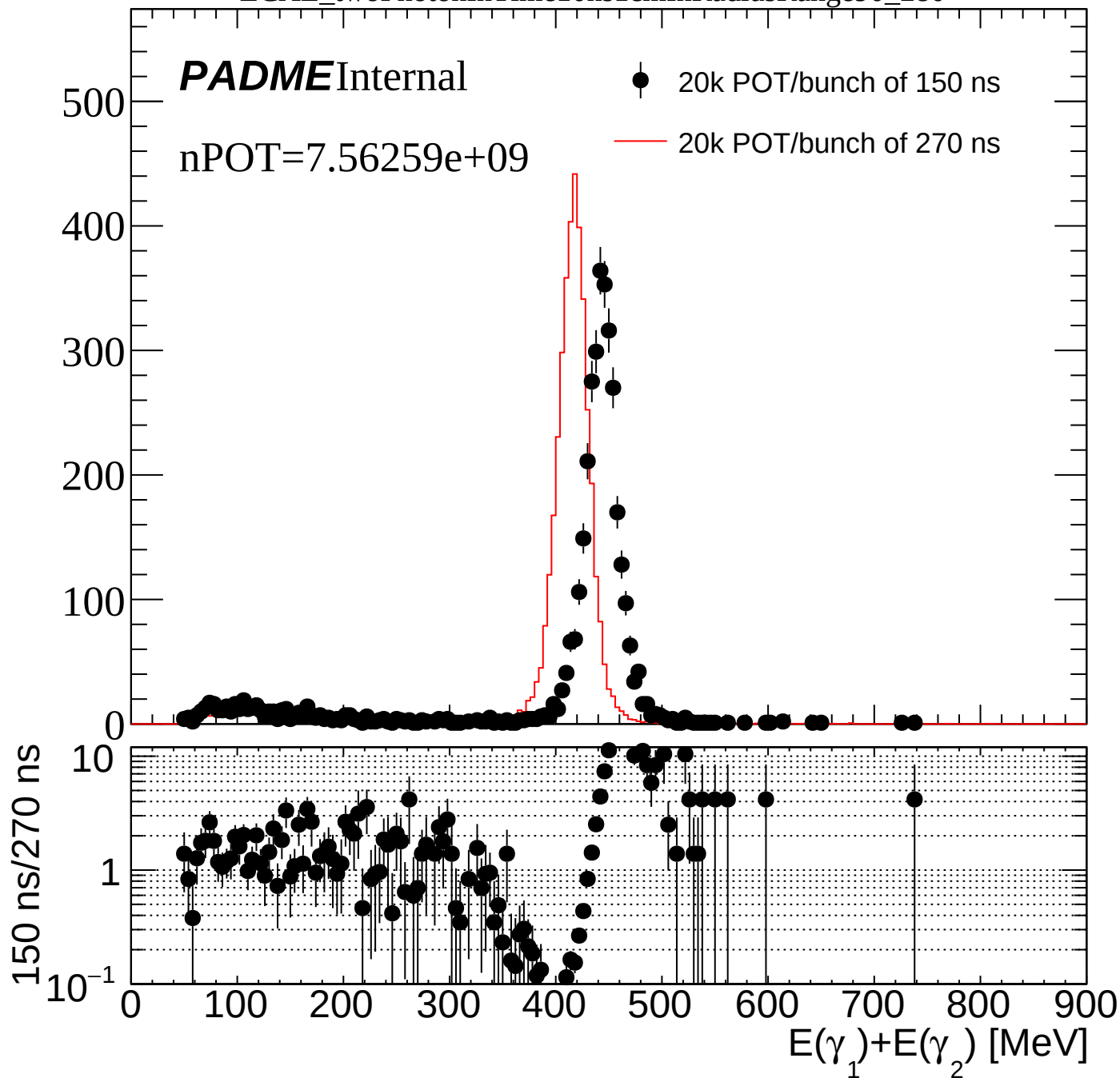


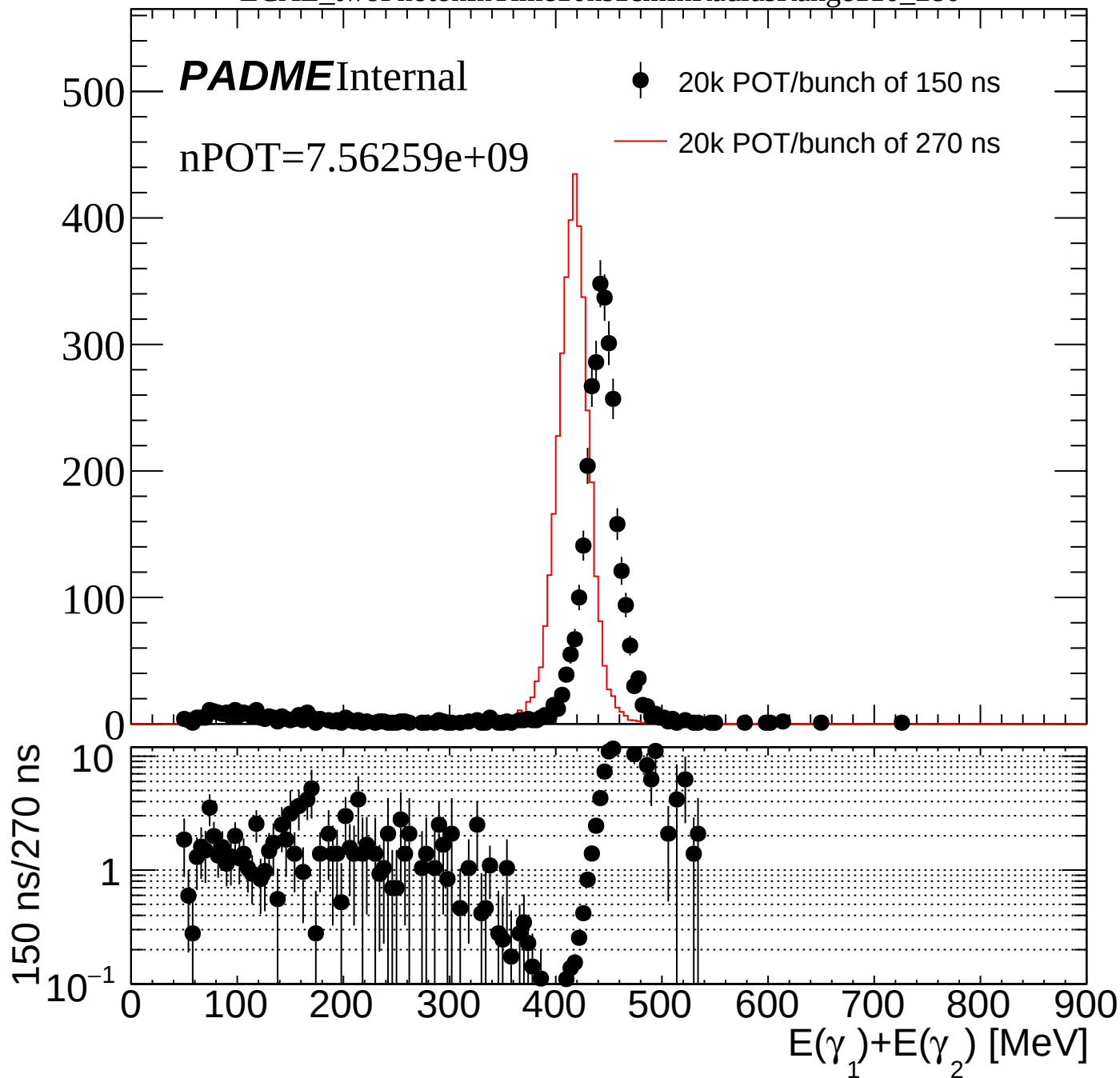


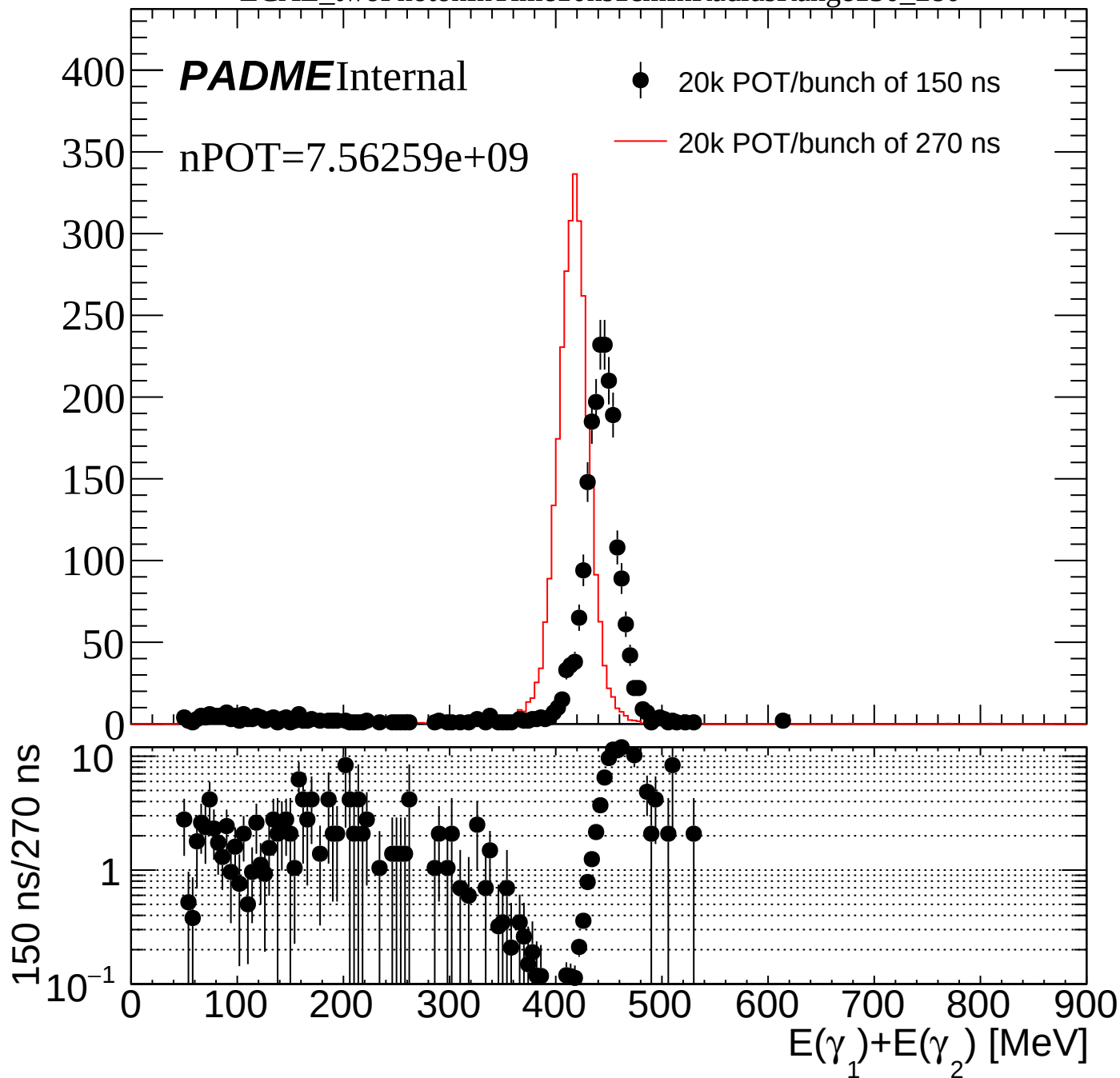


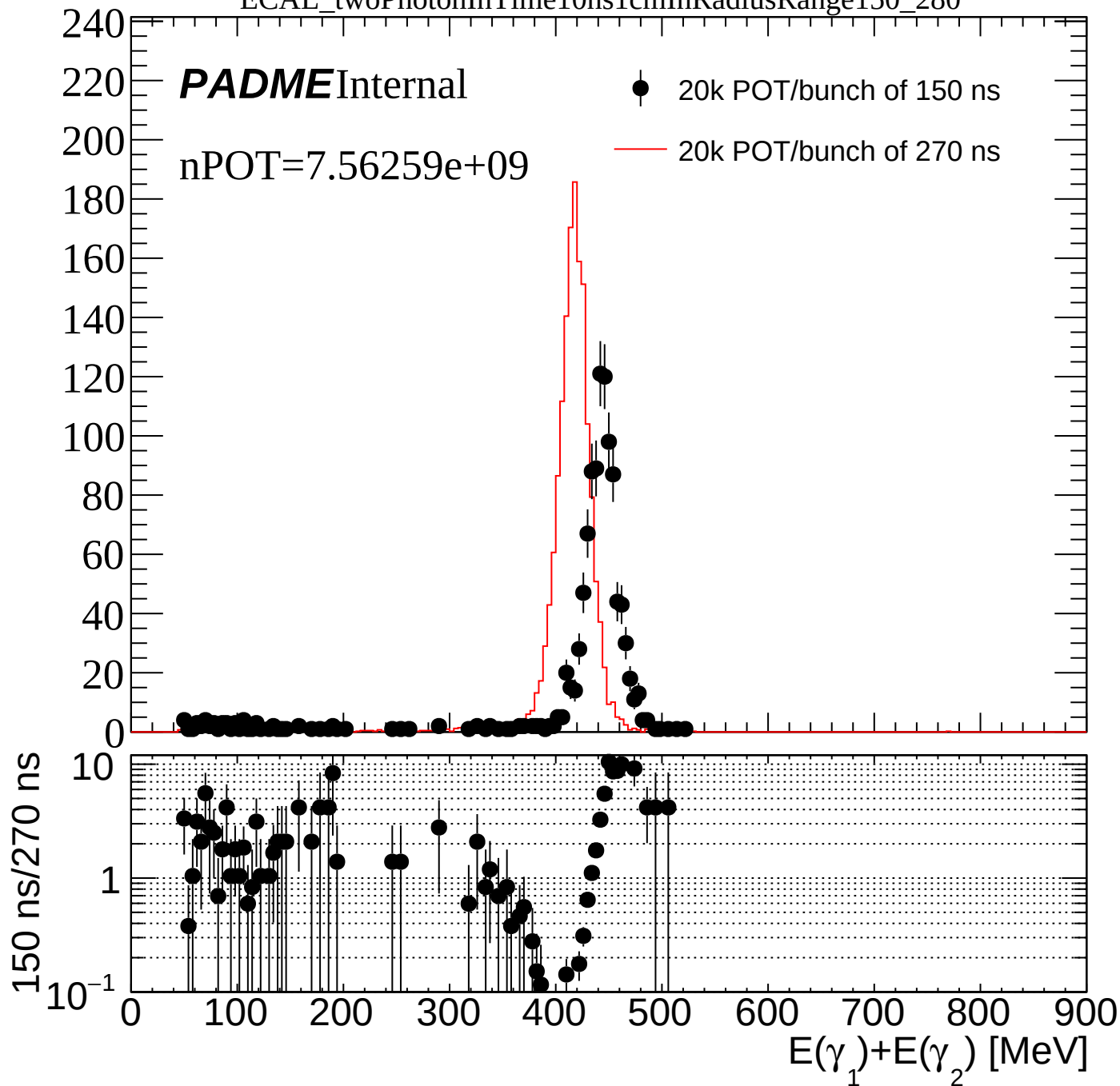










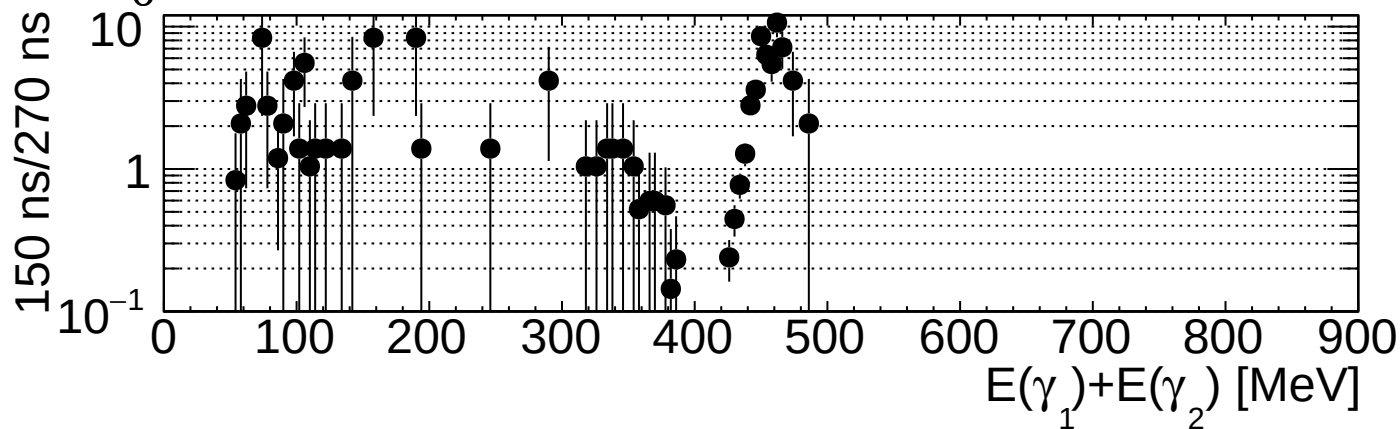


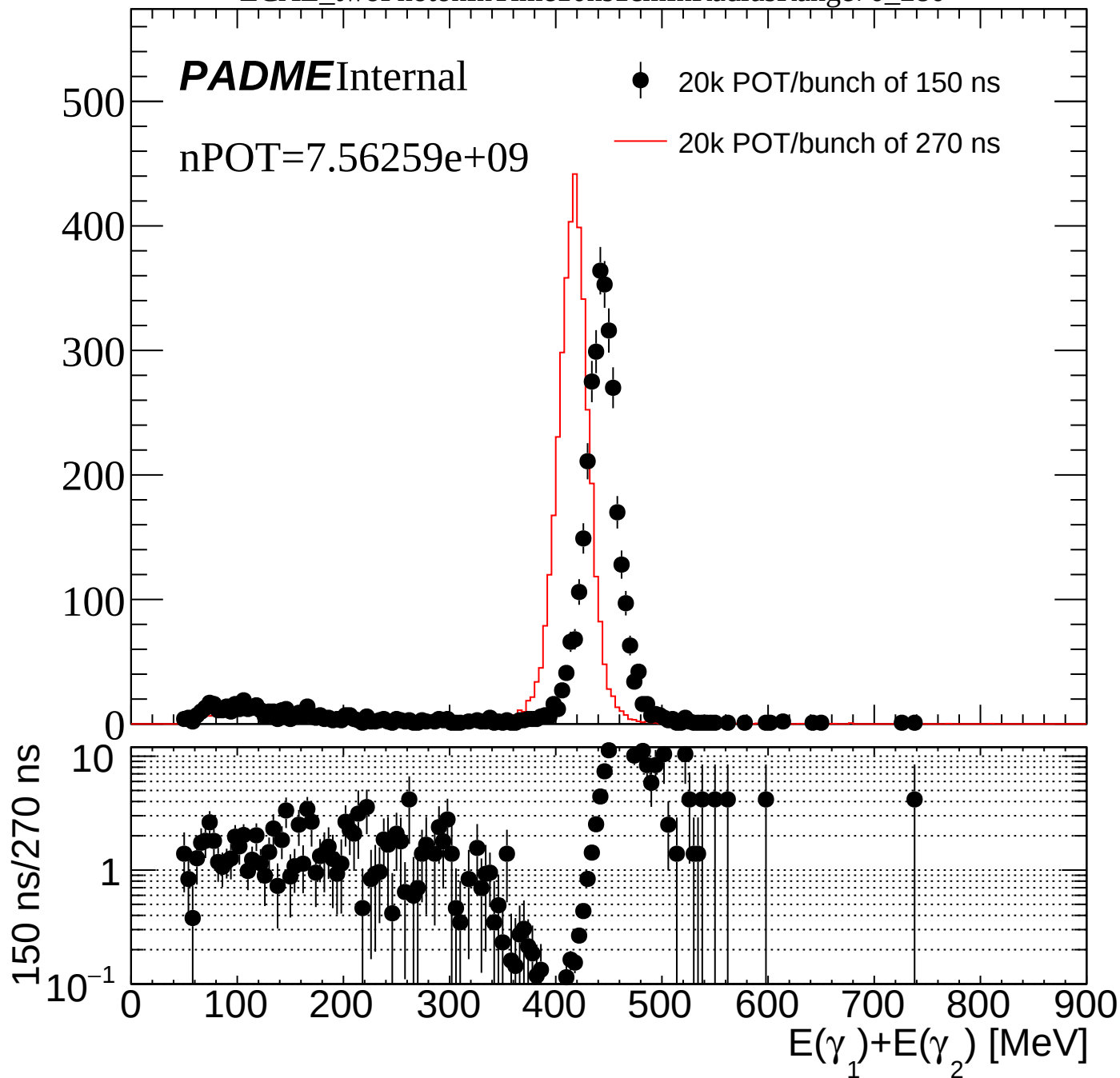
PADMEInternal

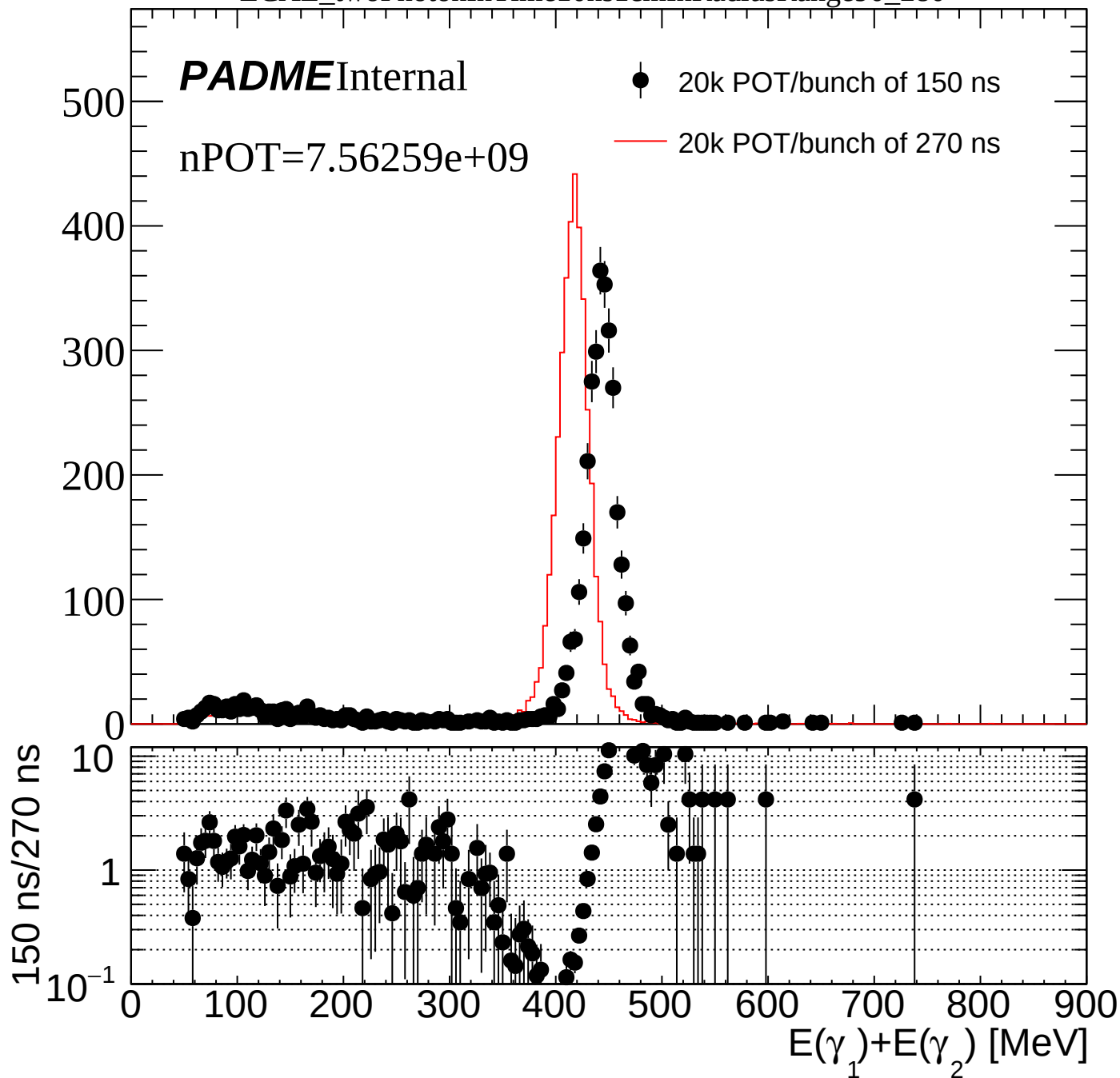
nPOT=7.56259e+09

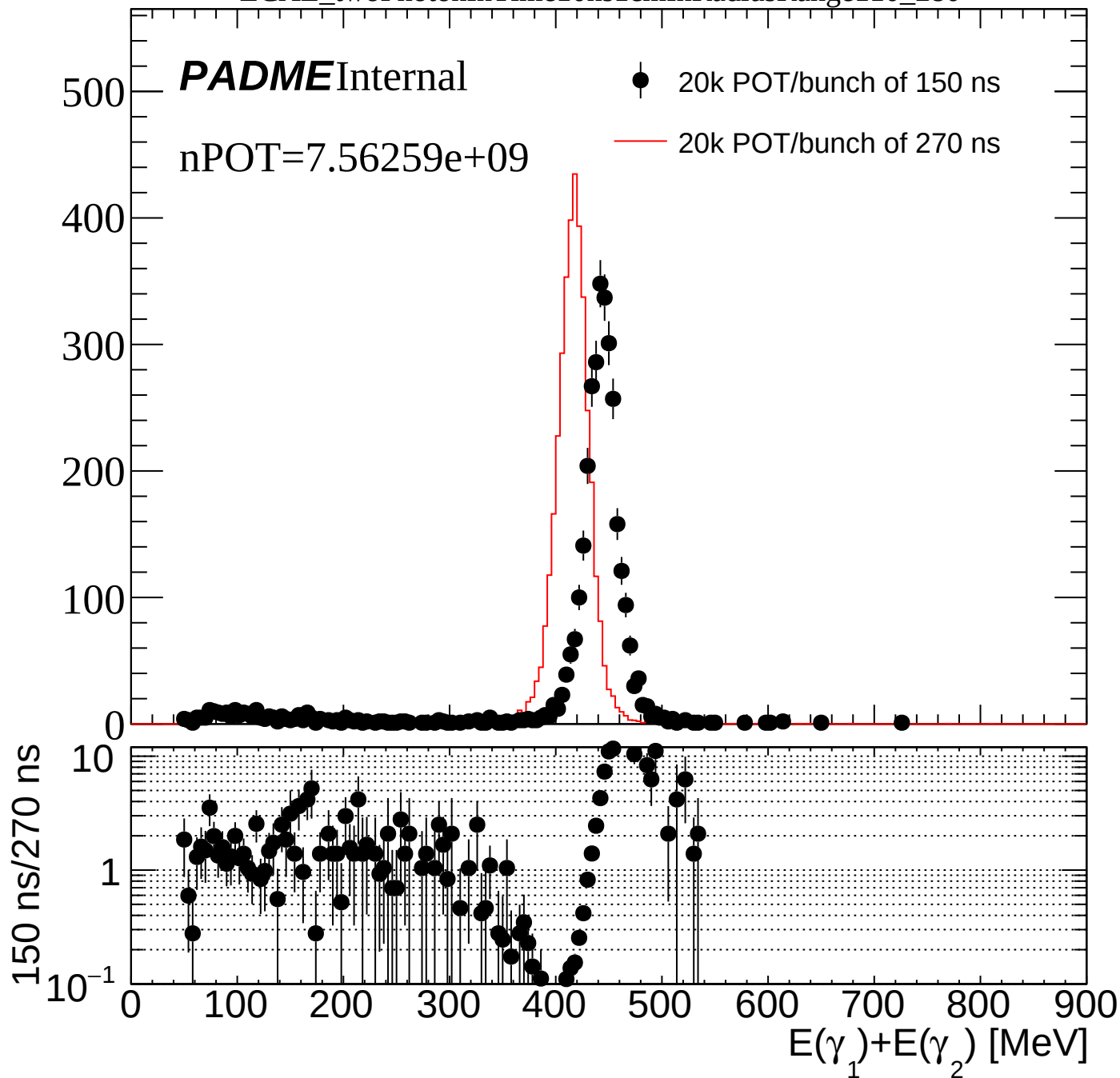
● 20k POT/bunch of 150 ns

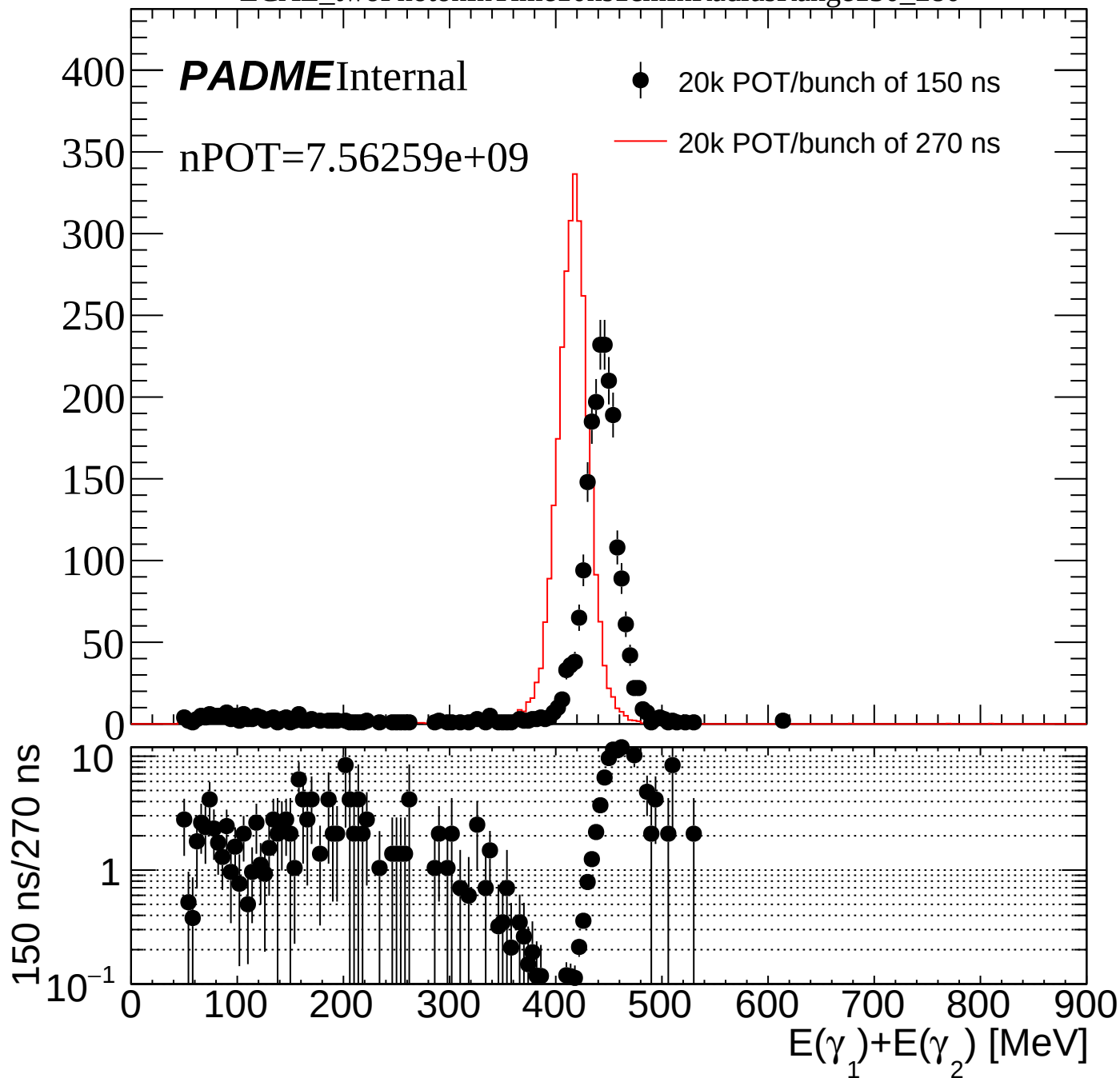
— 20k POT/bunch of 270 ns

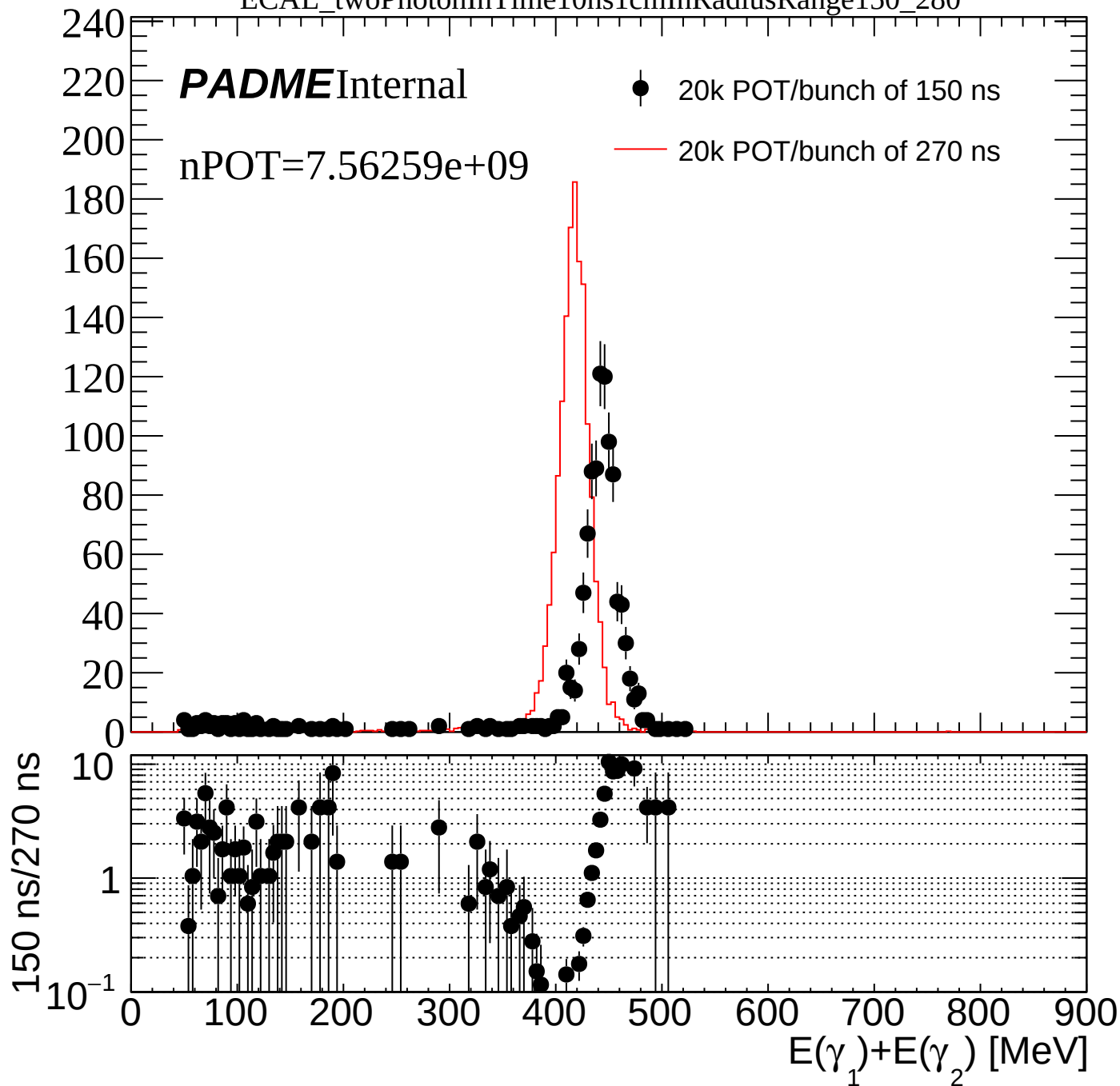










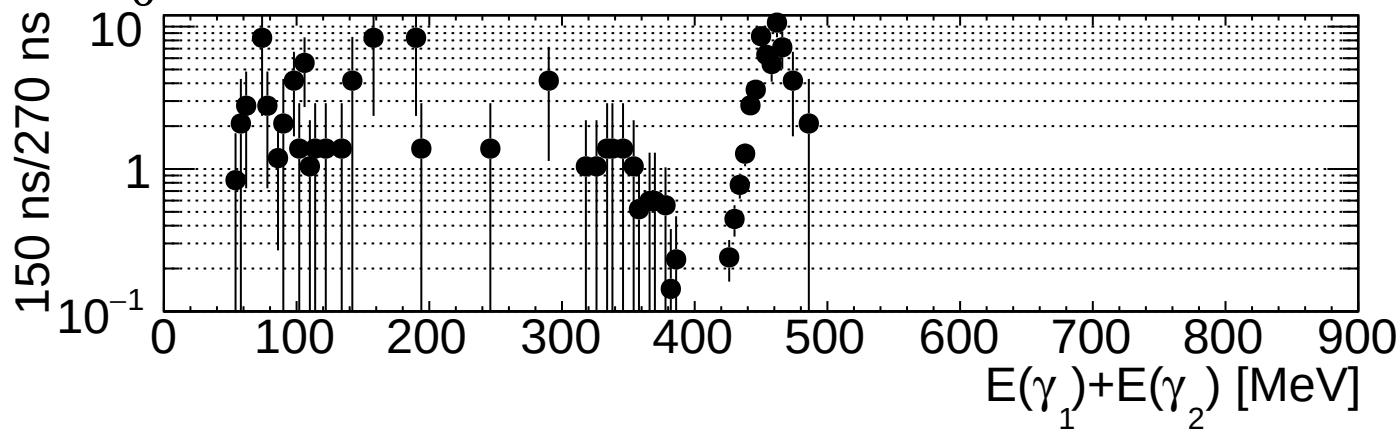


PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



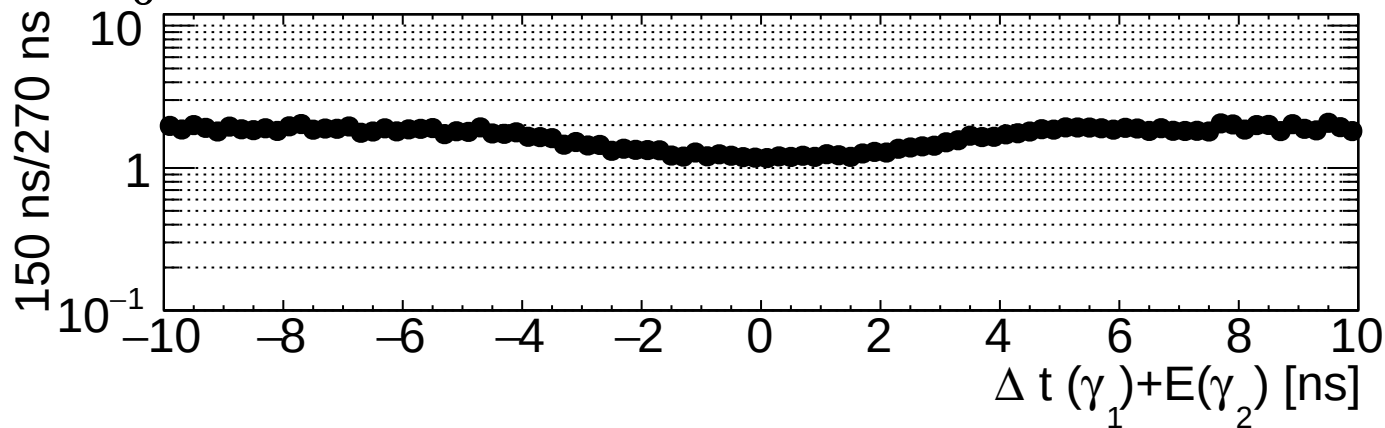
ECAL_dTime_10ns

PADMEInternal

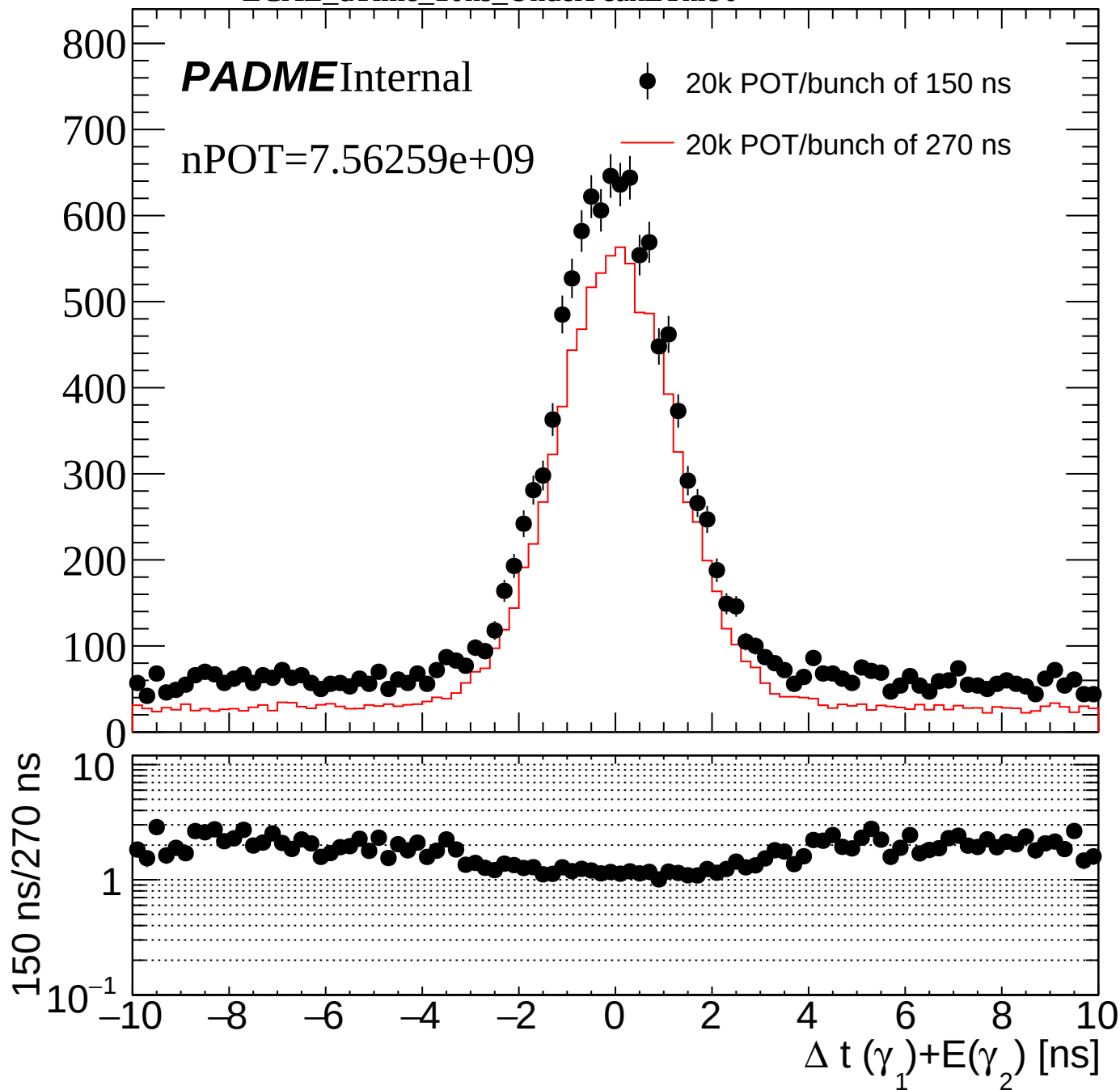
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_dTime_10ns_UnderPeakEThr90



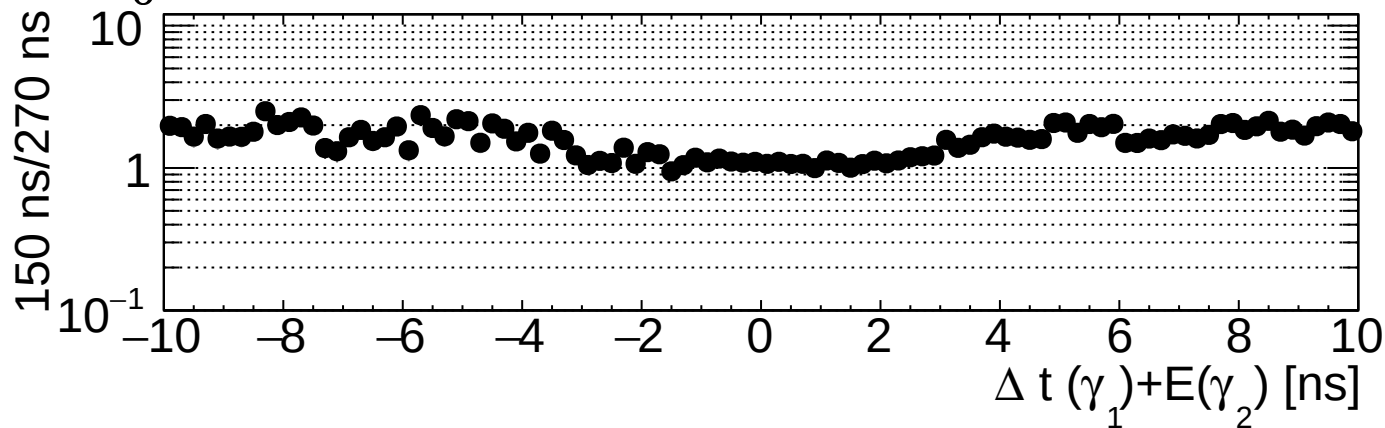
ECAL_dTime_10ns20DegreeDeltaTheta

PADMEInternal

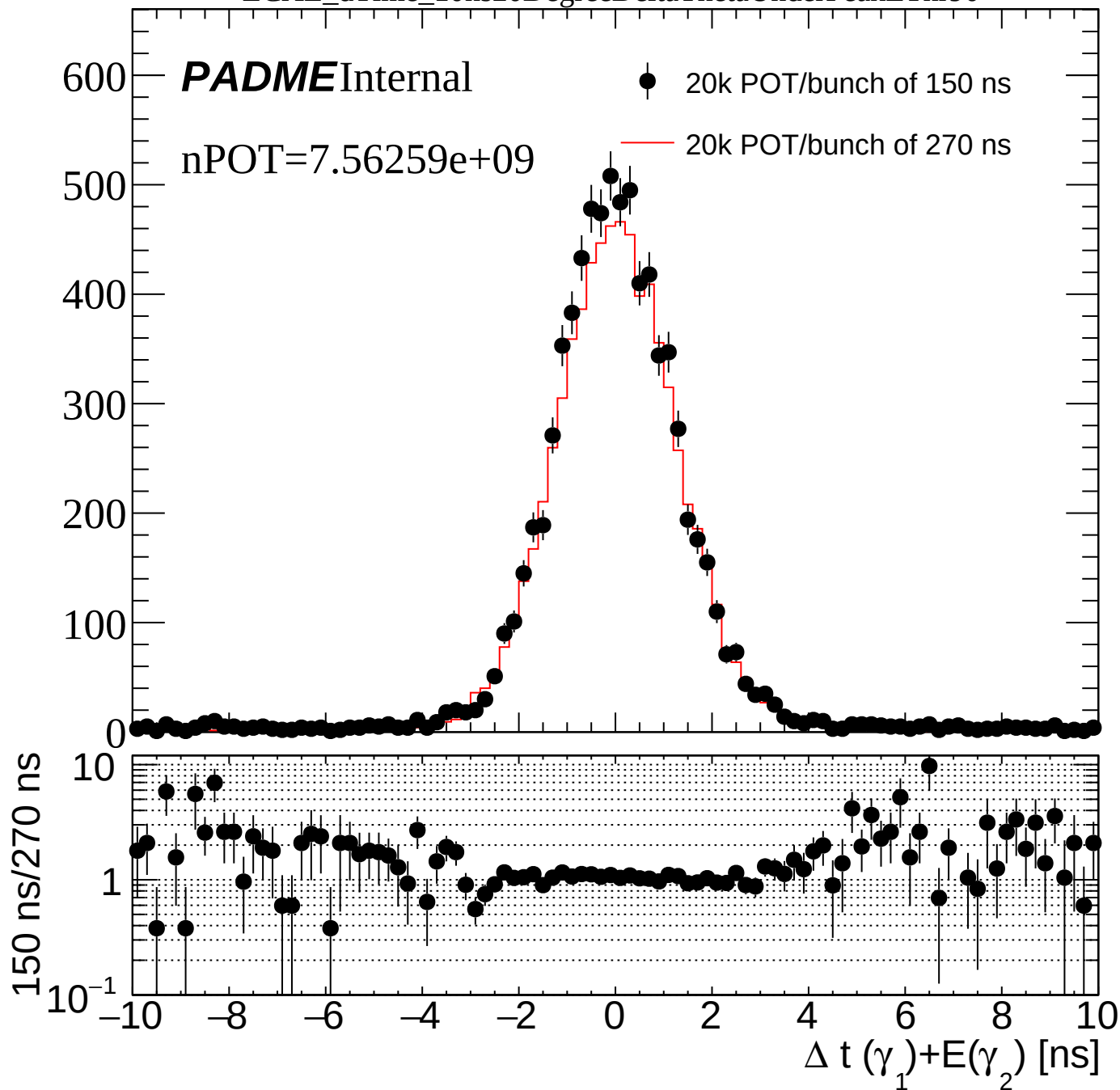
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90



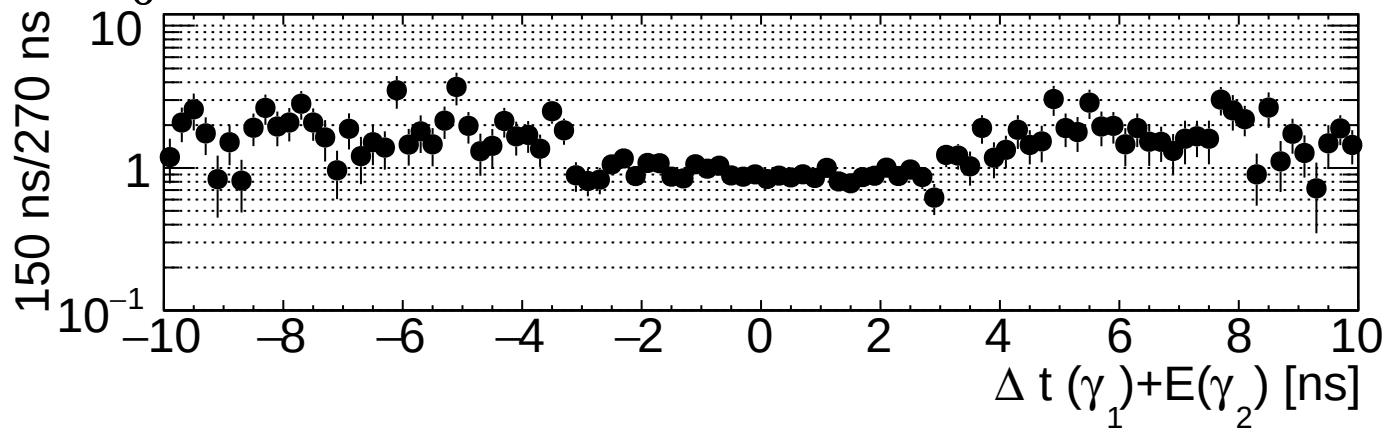
ECAL_dTime_10ns5DegreeDeltaTheta

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



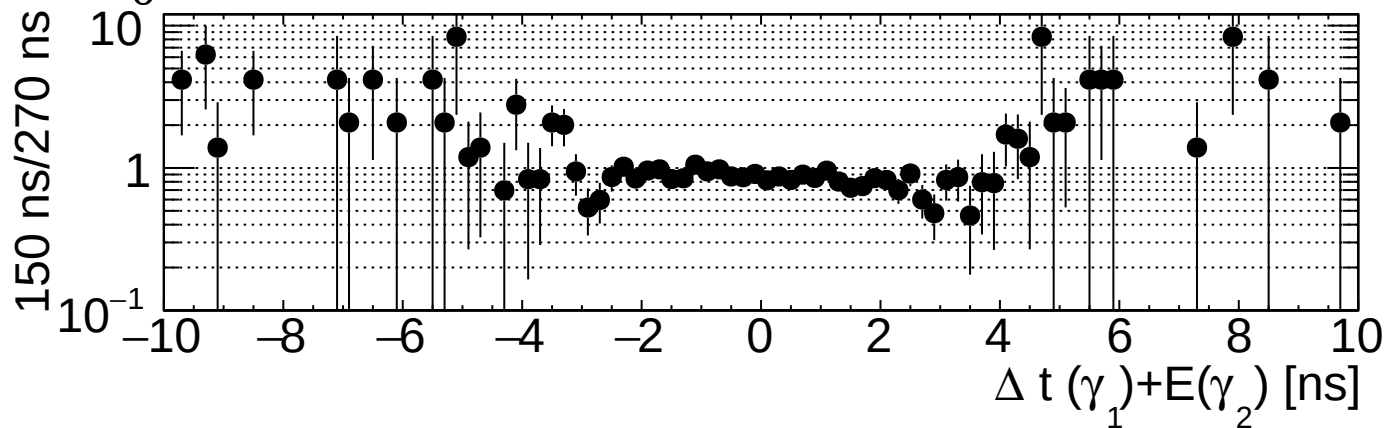
ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



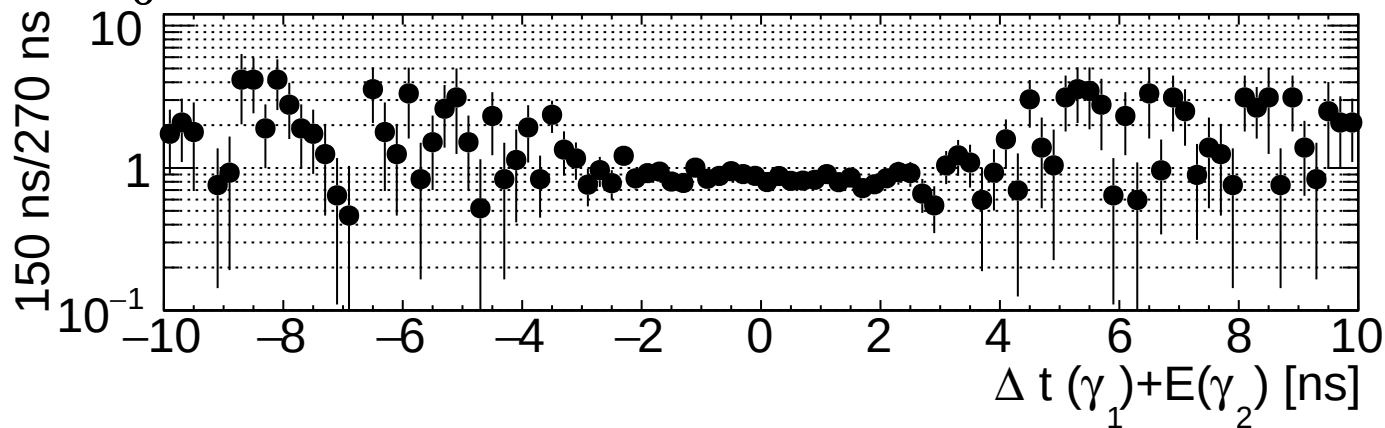
ECAL_dTime_10ns1CoG

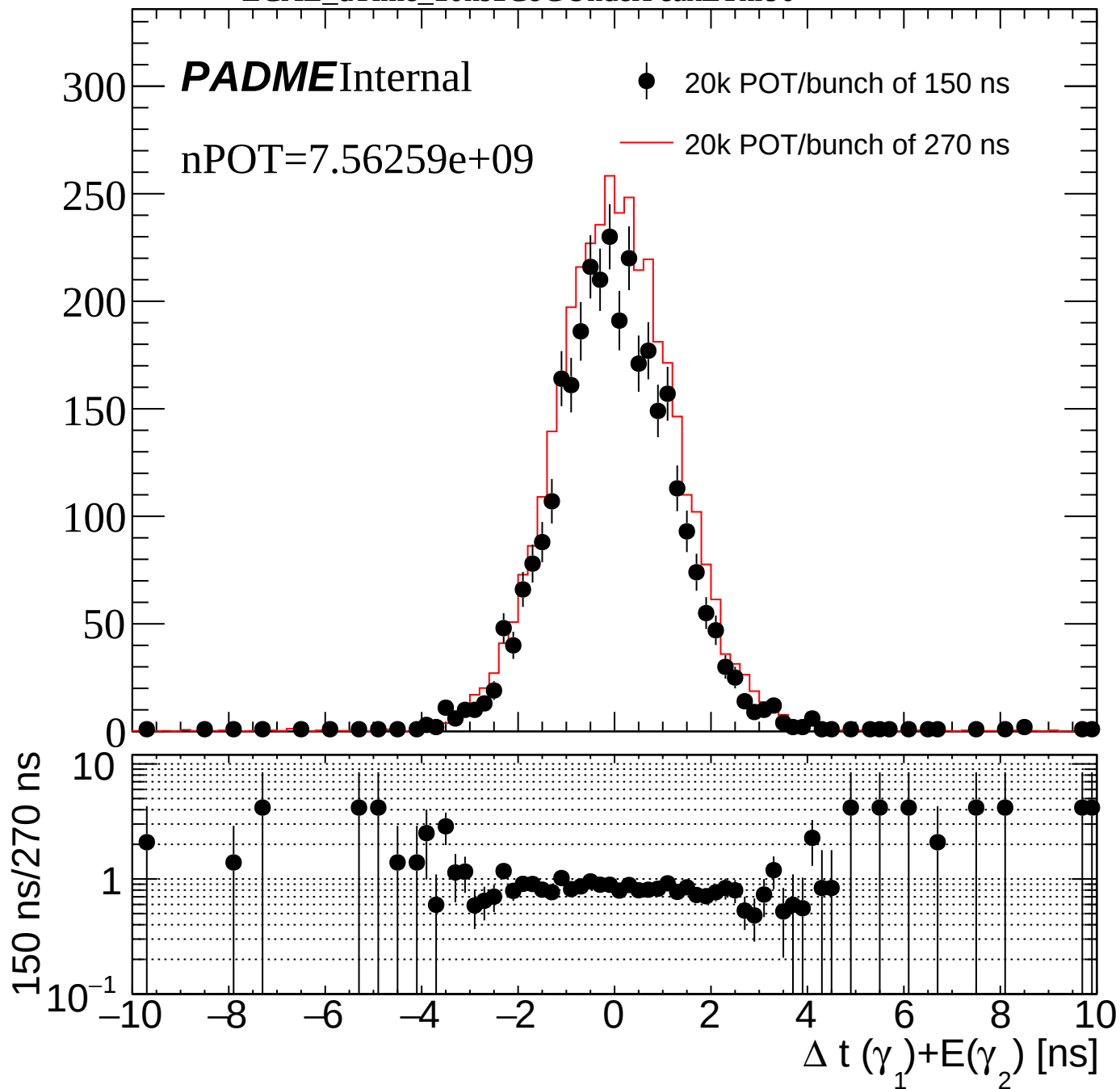
PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





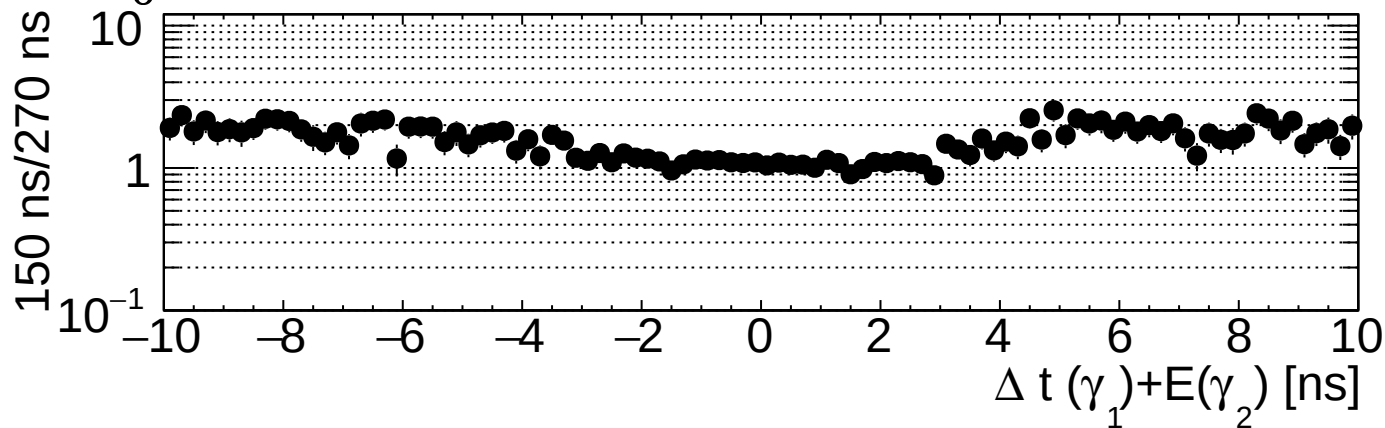
ECAL_dTime_10ns3CoG

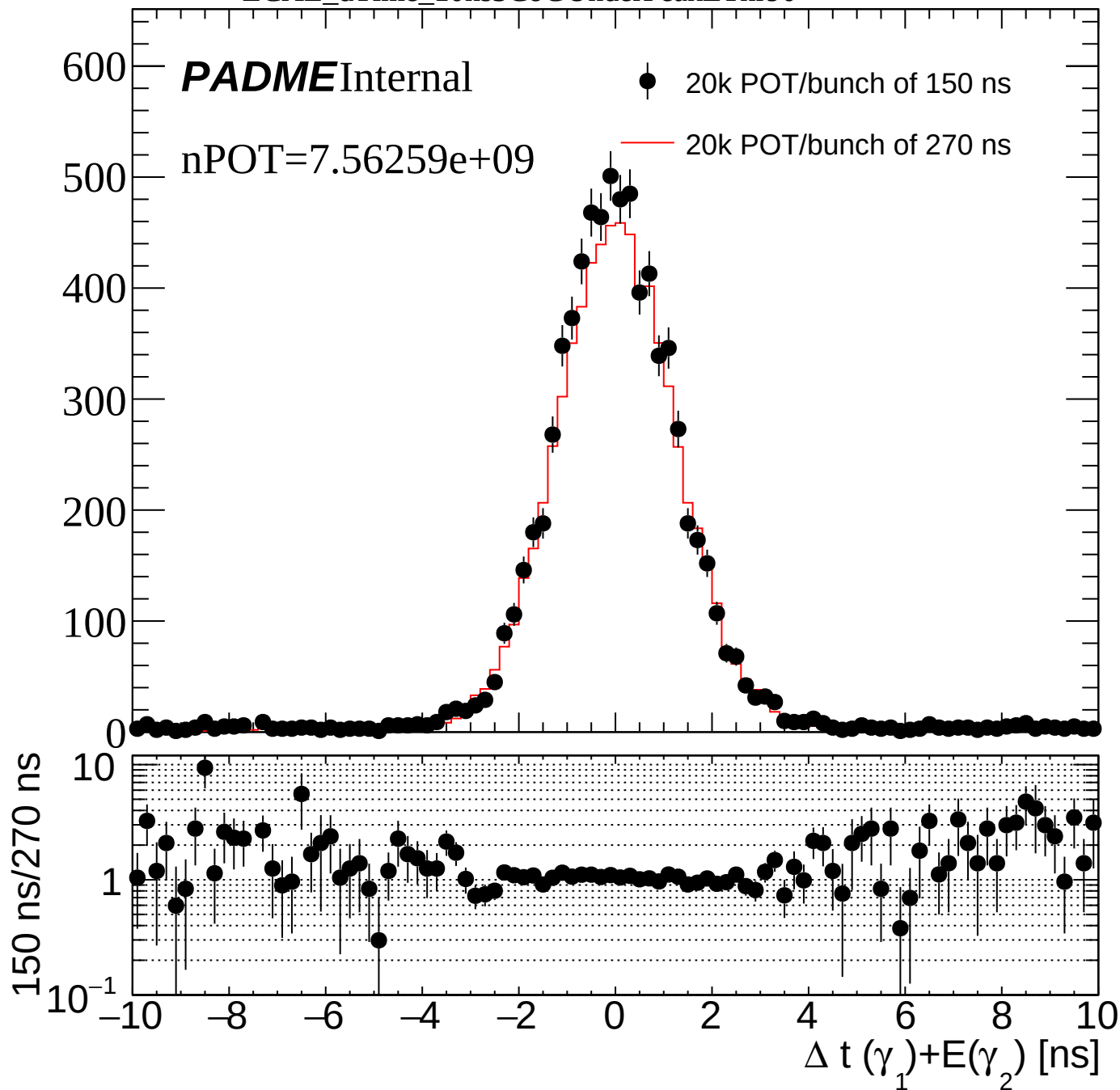
PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





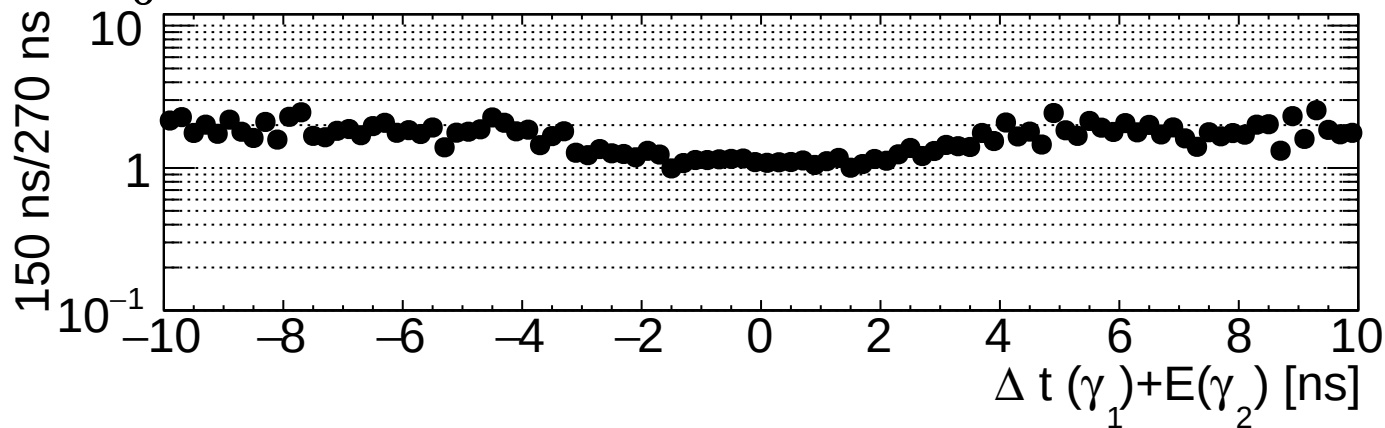
ECAL_dTime_10ns5CoG

PADMEInternal

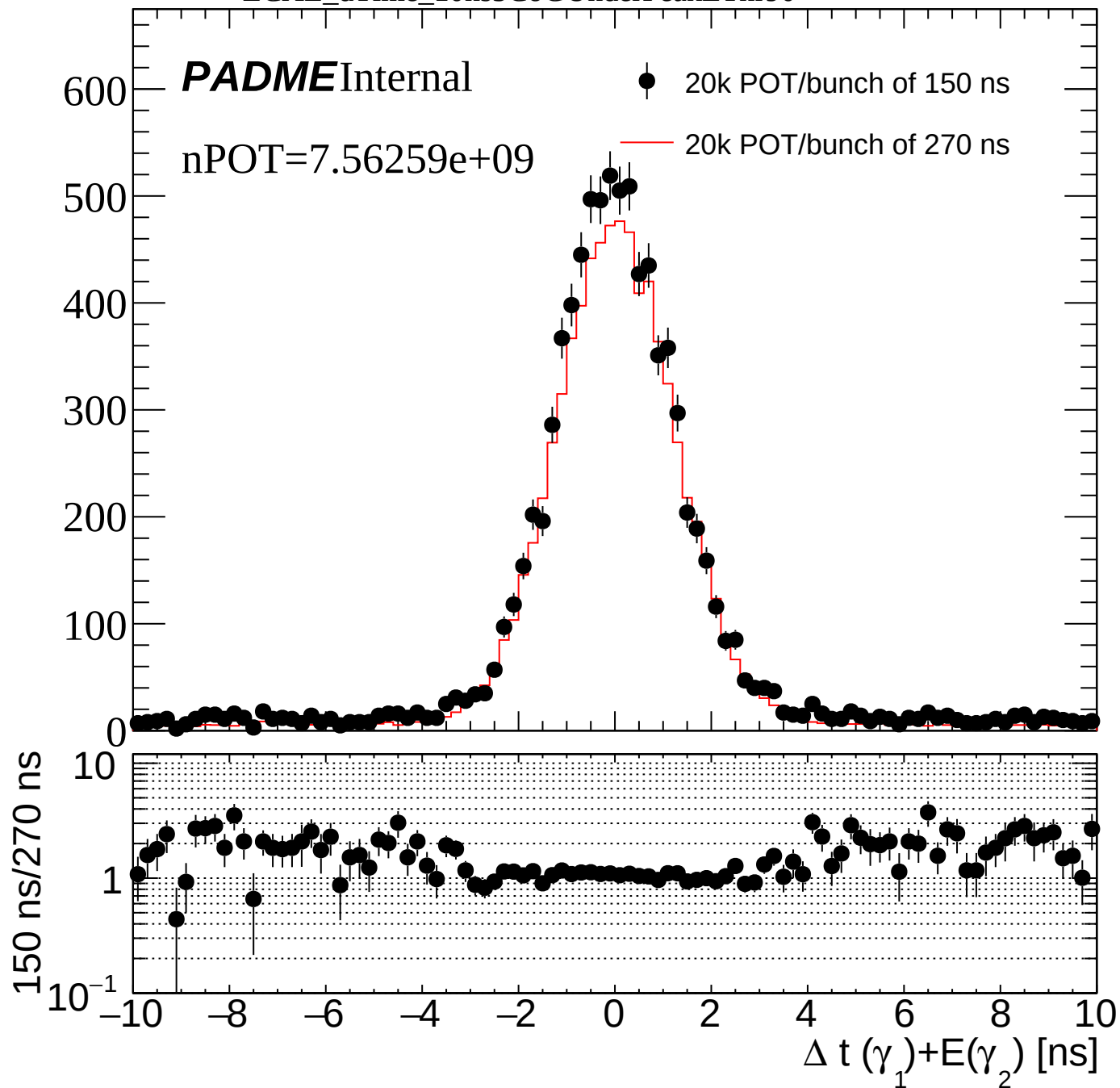
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● 20k POT/bunch of 150 ns

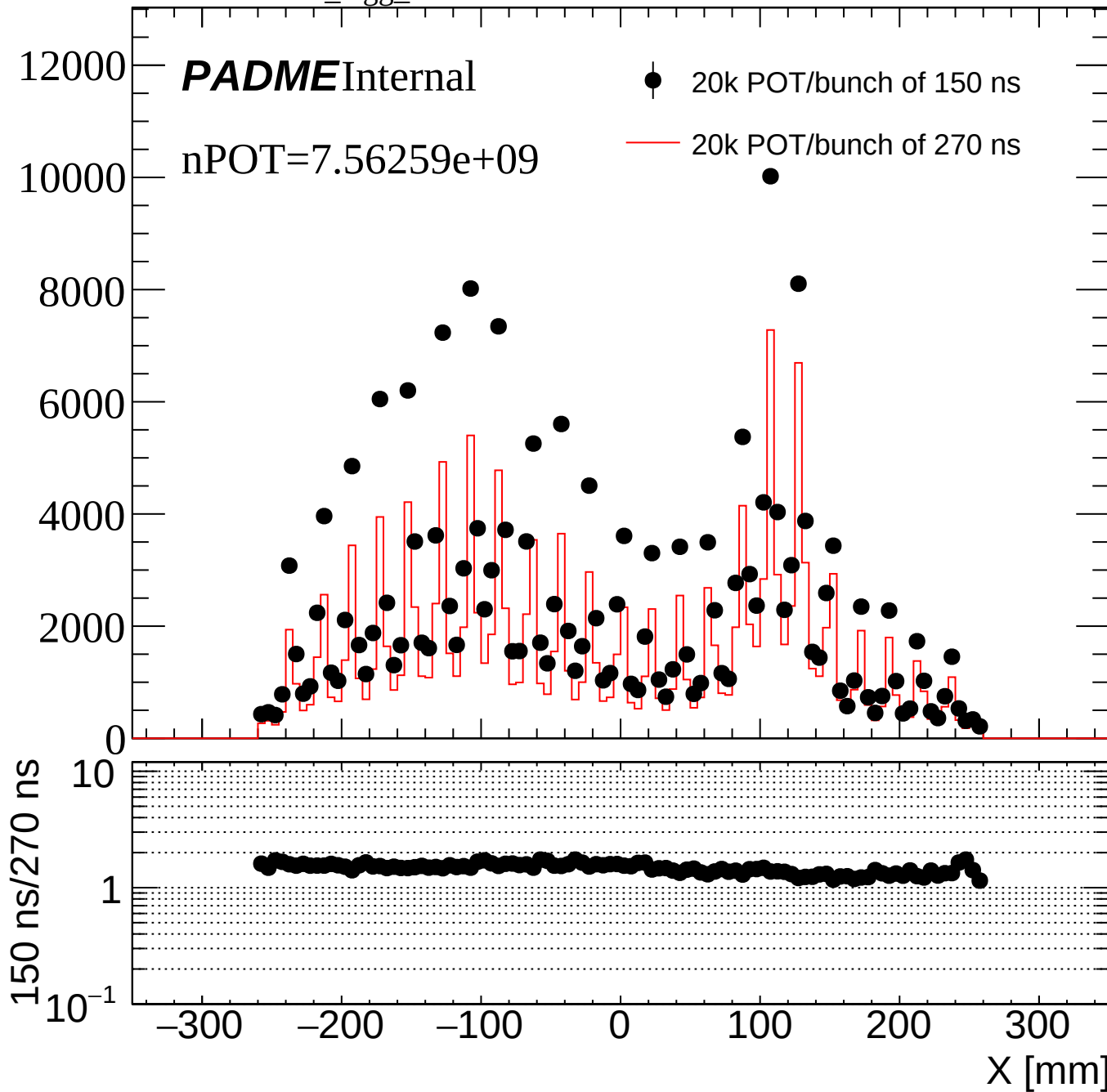
— 20k POT/bunch of 270 ns



ECAL_dTime_10ns5CoGUnderPeakEThr90



ECAL_Xgg_10ns



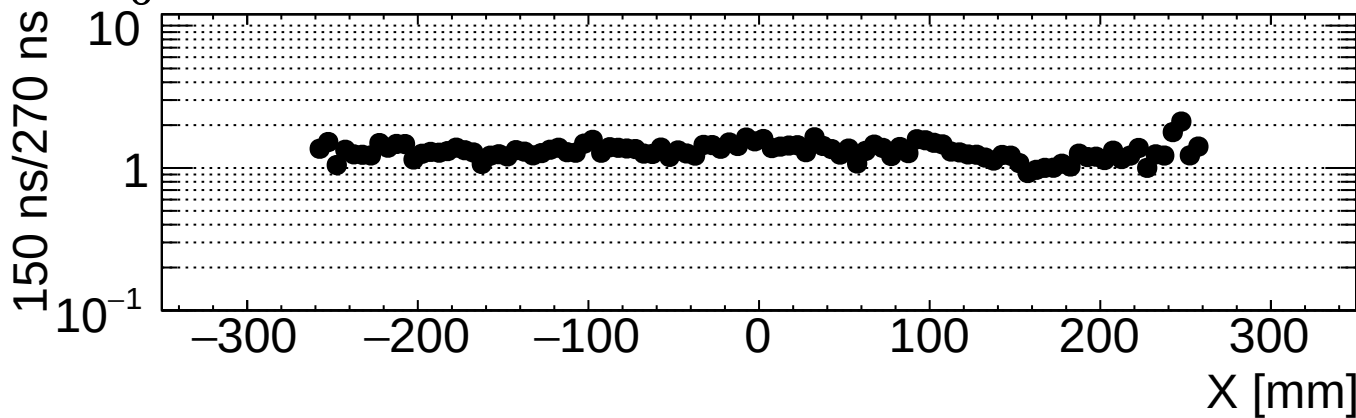
ECAL_Xgg_10ns20Degree

PADMEInternal

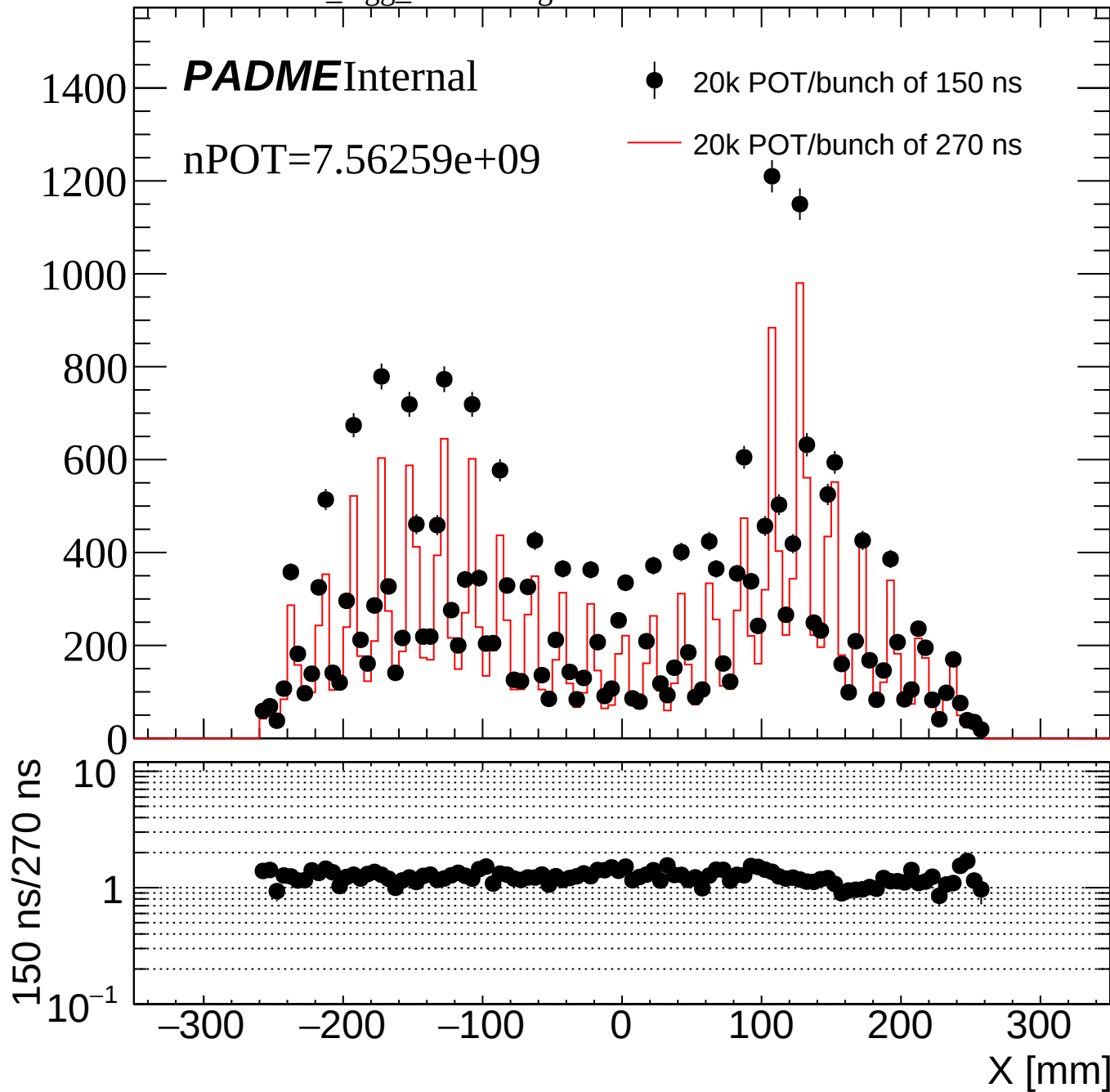
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● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Xgg_10ns20DegreeDeltaTheta

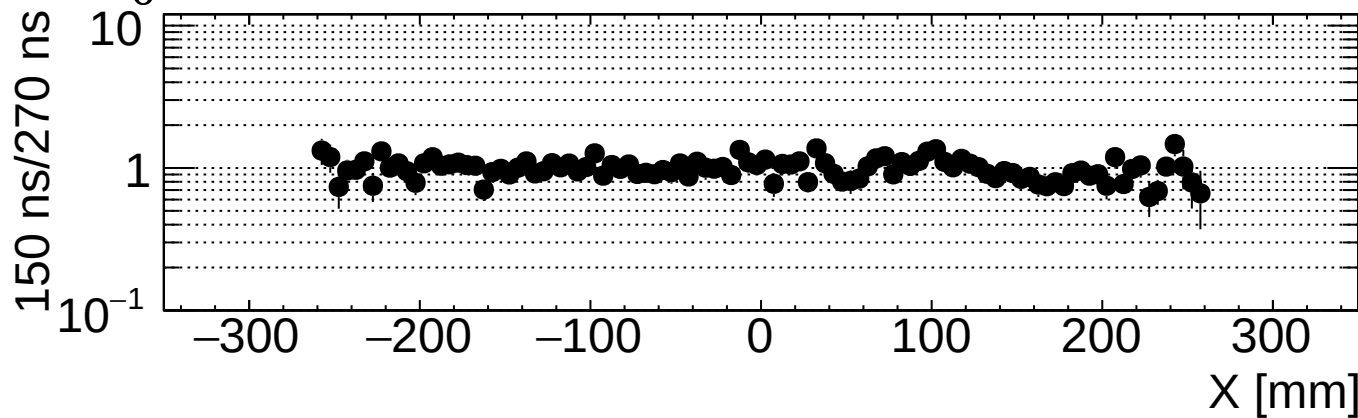


PADMEInternal

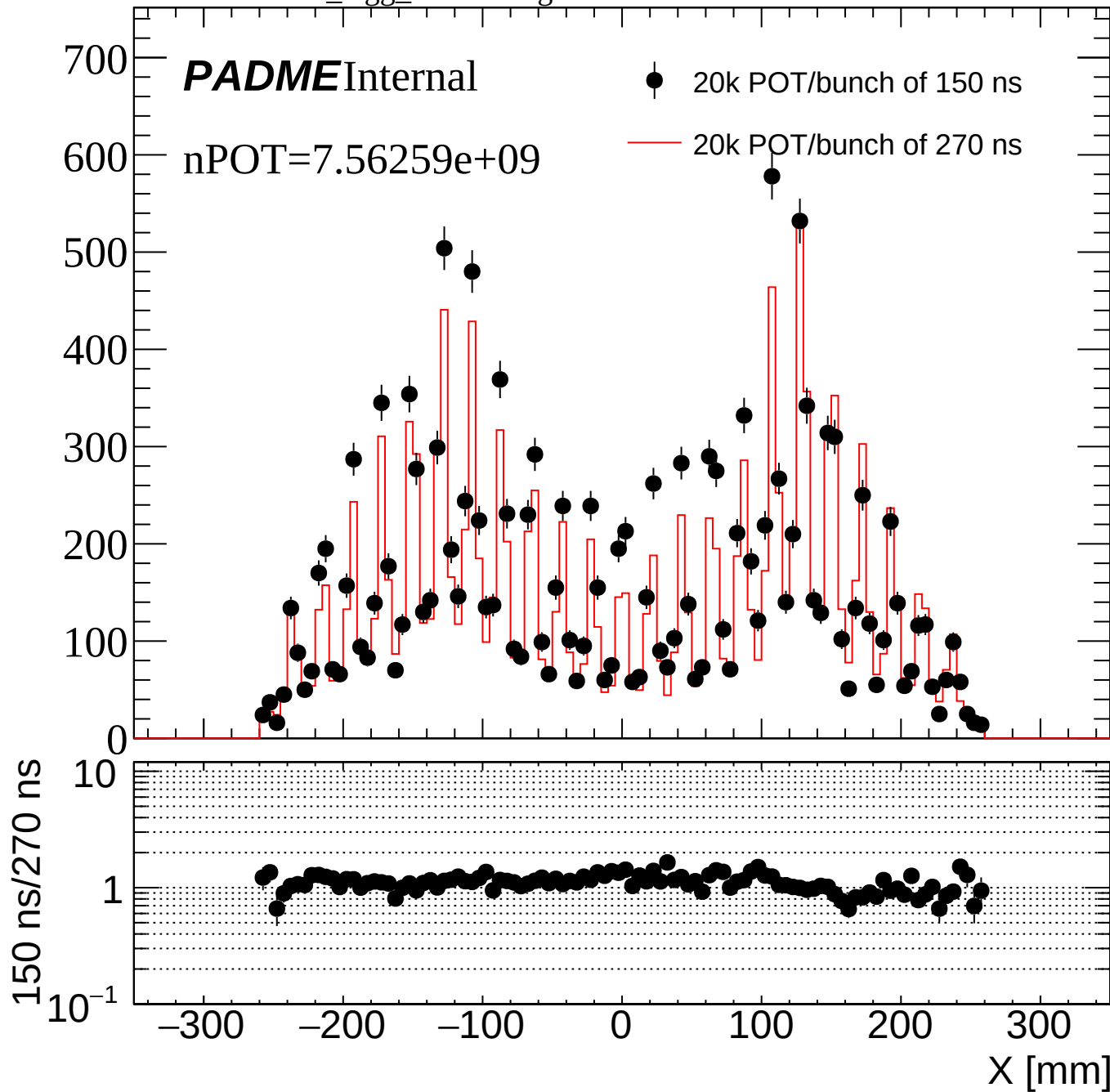
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

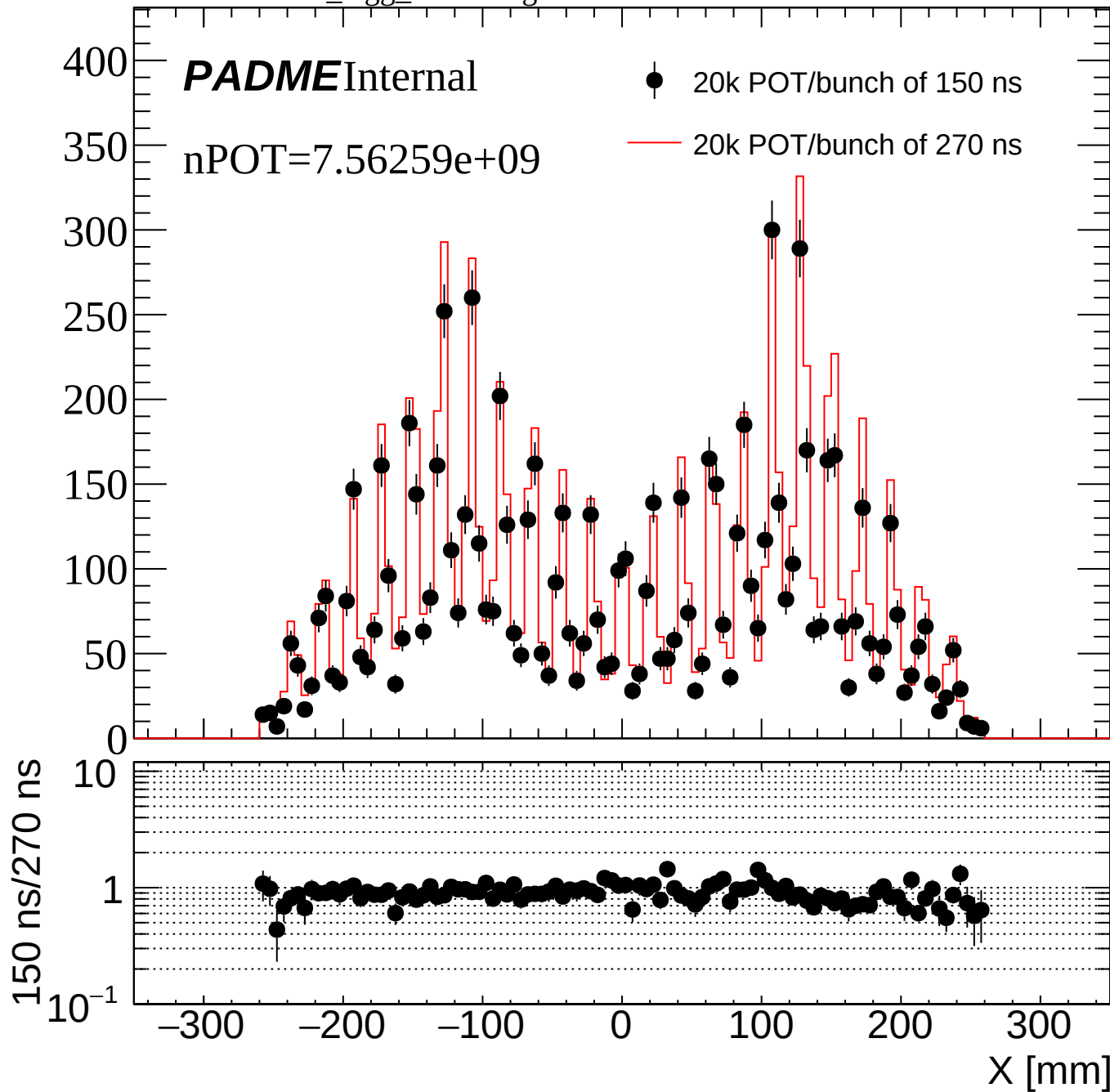
— 20k POT/bunch of 270 ns



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak



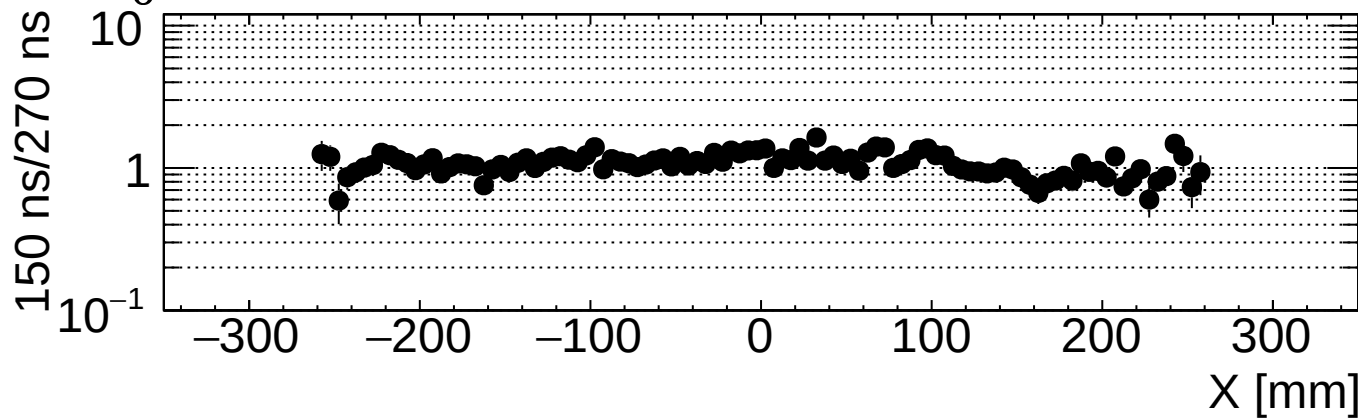
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90

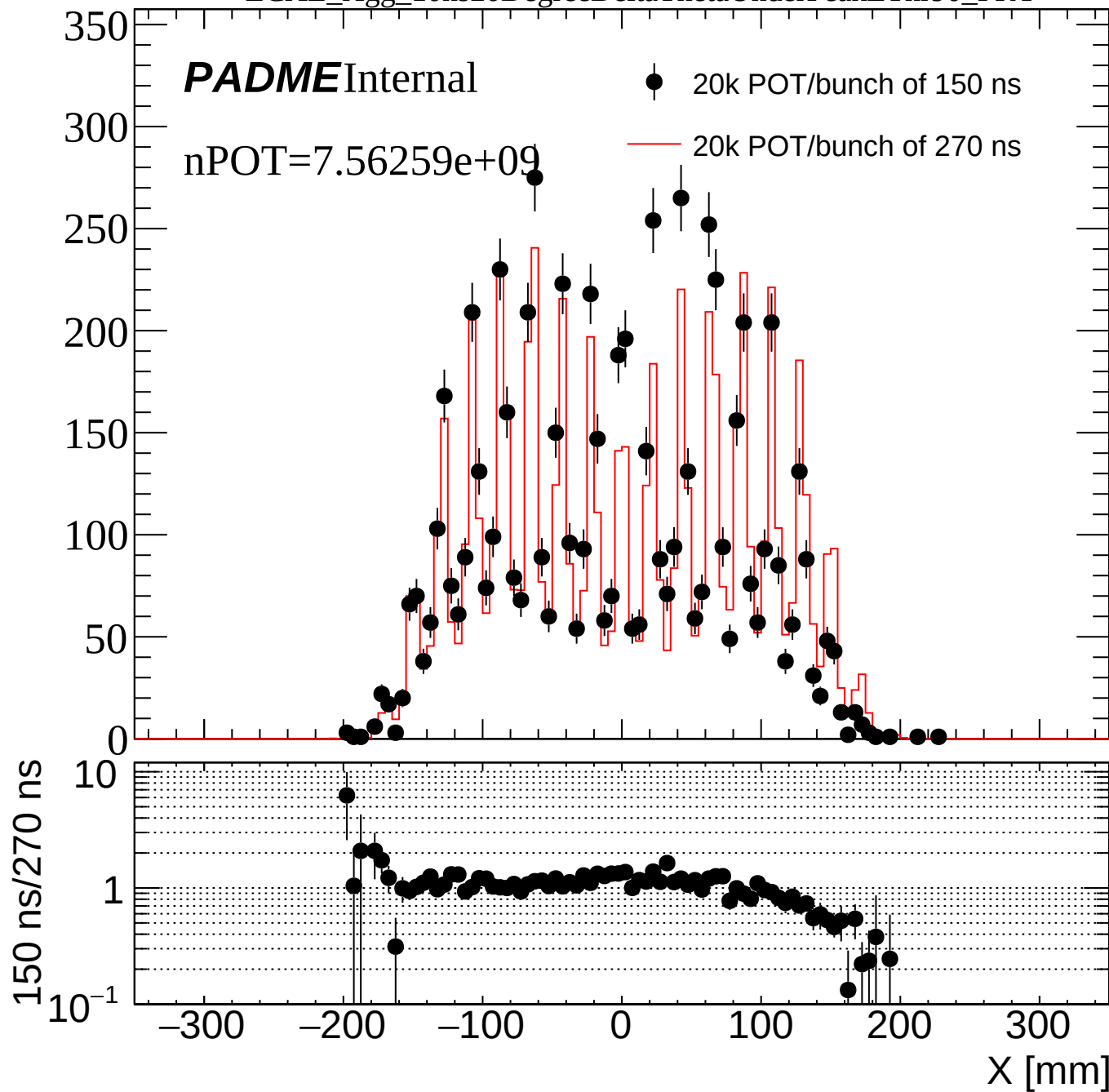
PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





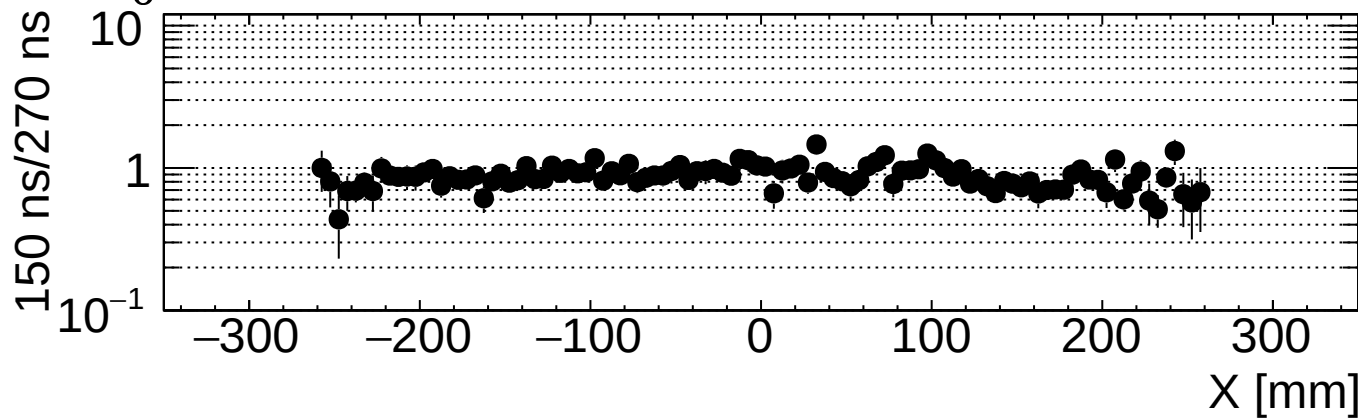
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



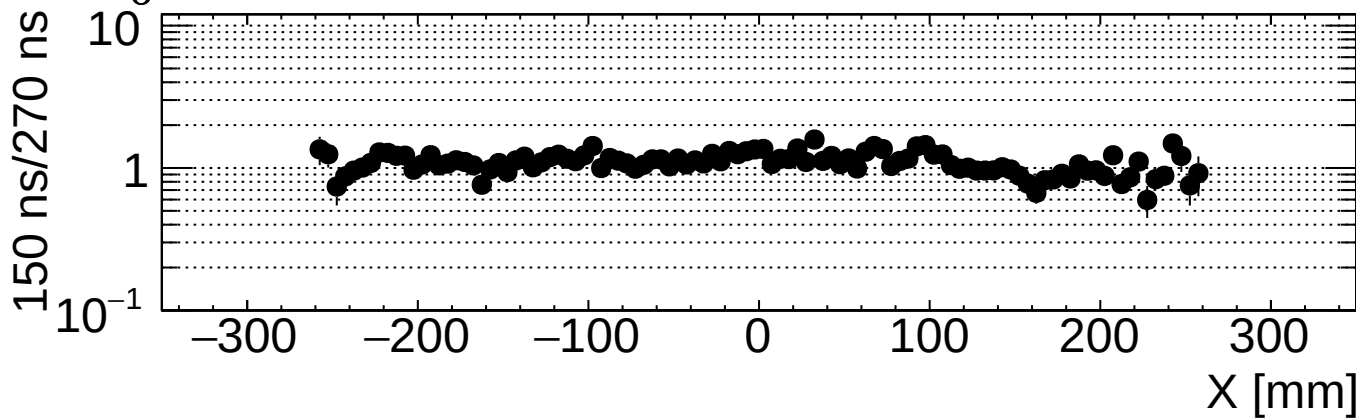
ECAL_Xgg_10ns20DegreeDeltaThetaEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



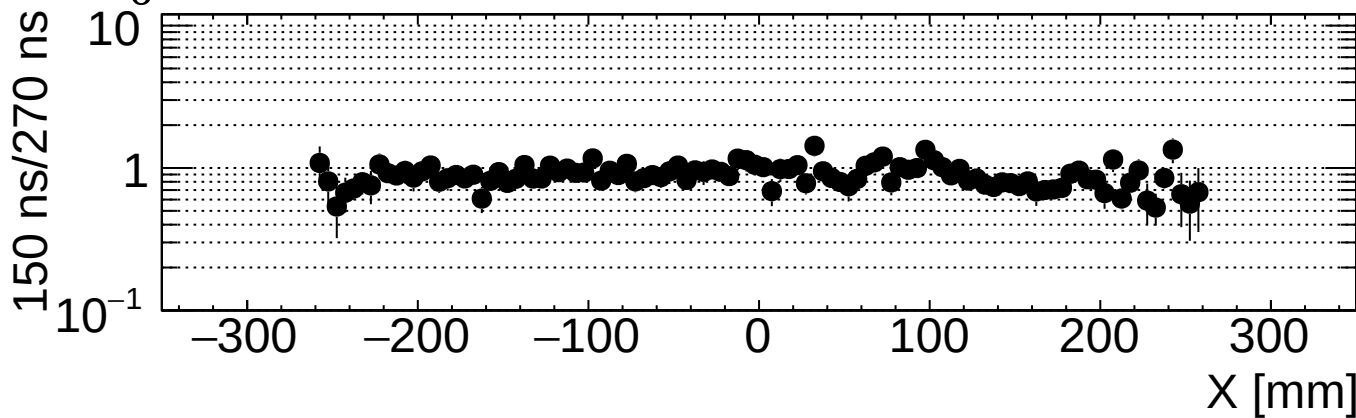
ECAL_Xgg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



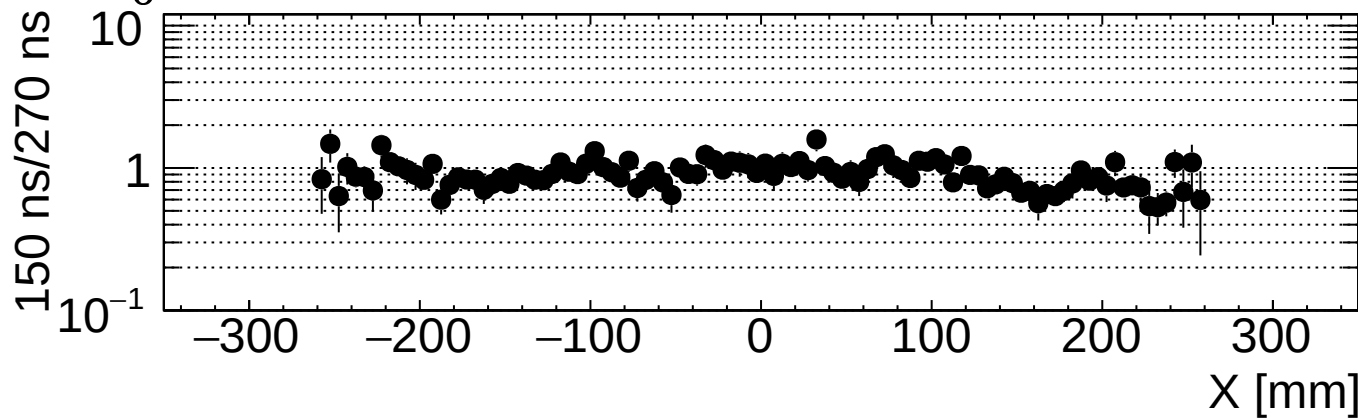
ECAL_Xgg_10ns1CoG

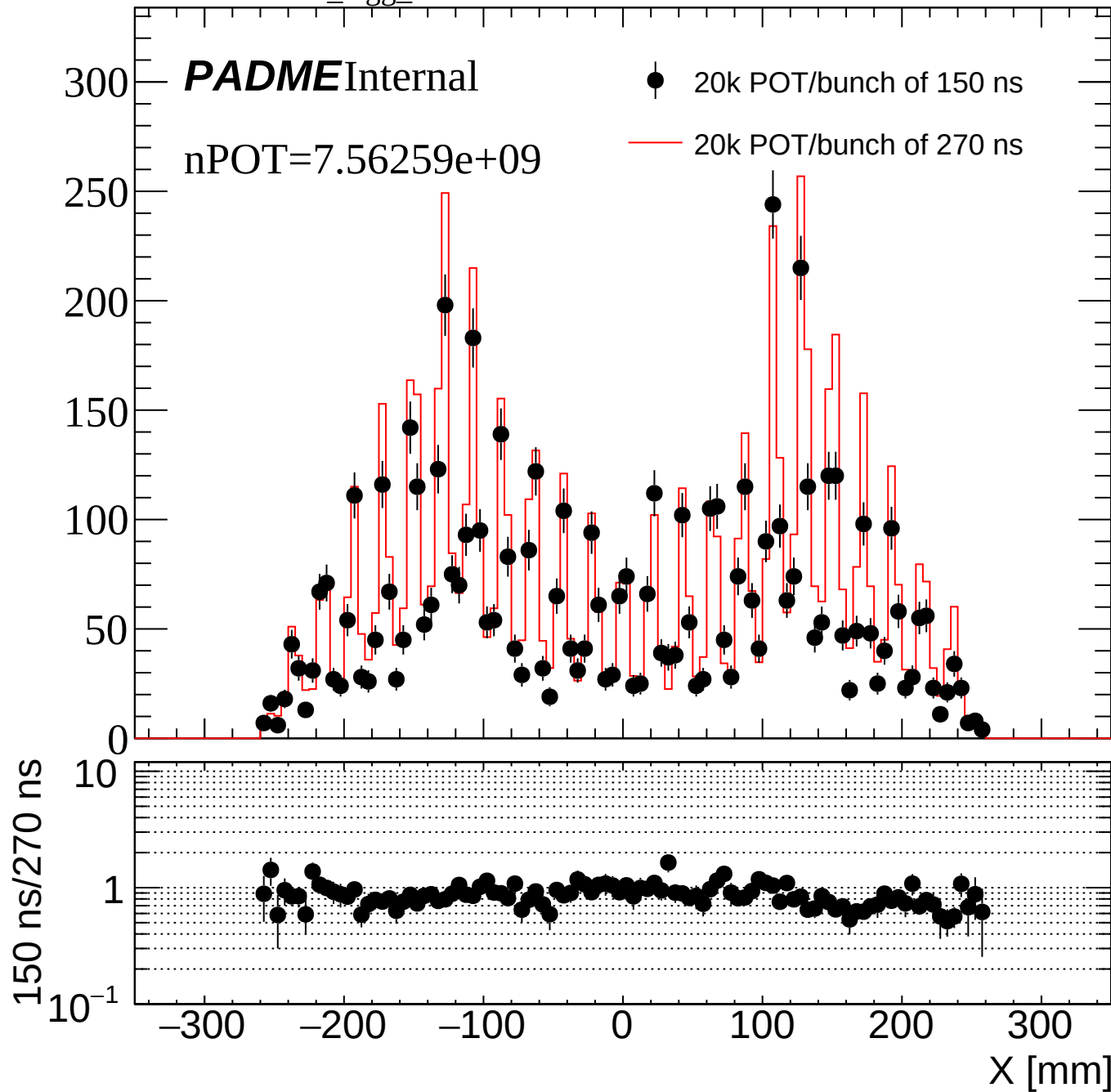
PADMEInternal

nPOT=7.56259e+09

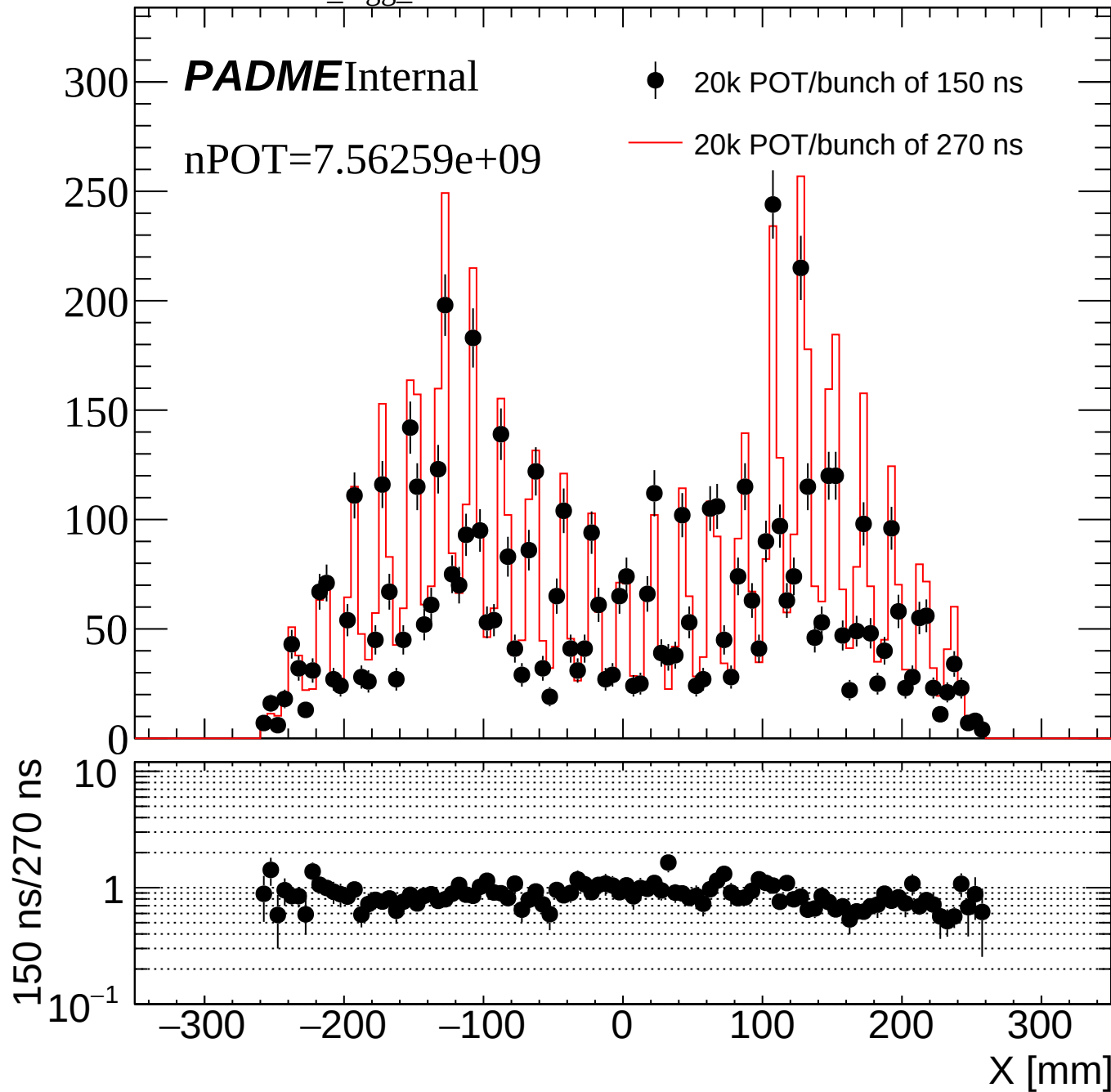
● 20k POT/bunch of 150 ns

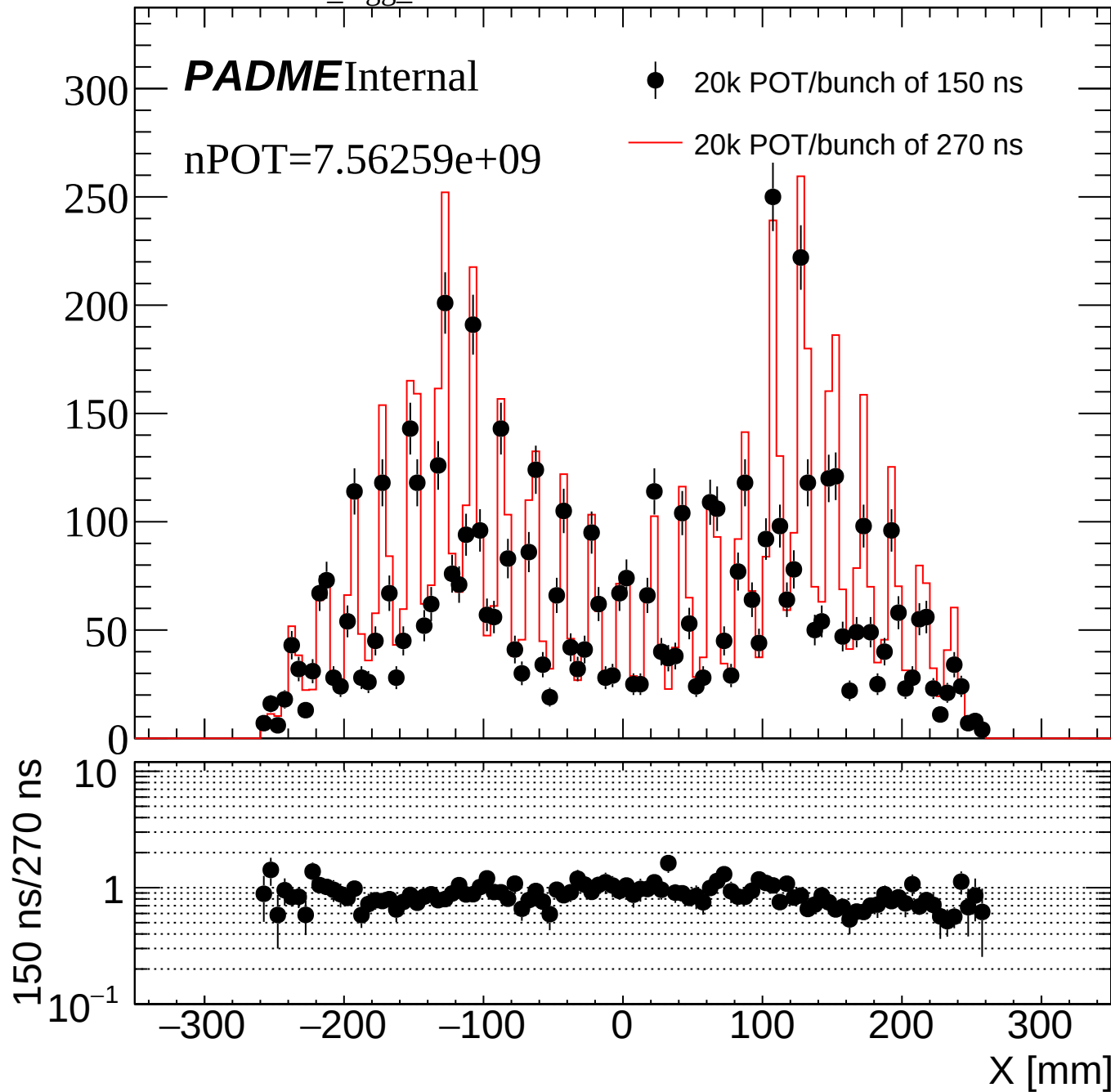
— 20k POT/bunch of 270 ns





ECAL_Xgg_10ns1CoGUnderPeakEThr90





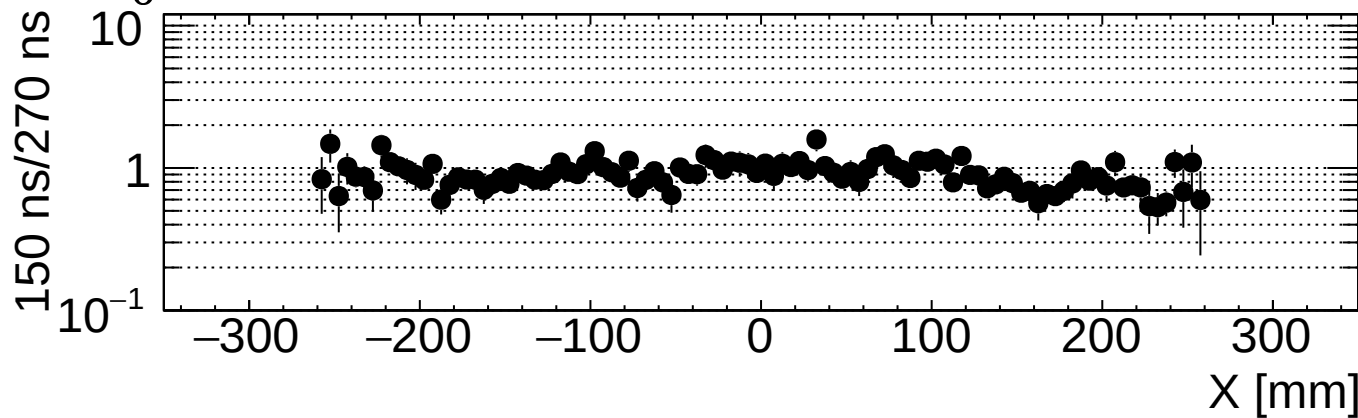
ECAL_Xgg_10ns1CoG20Degree

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



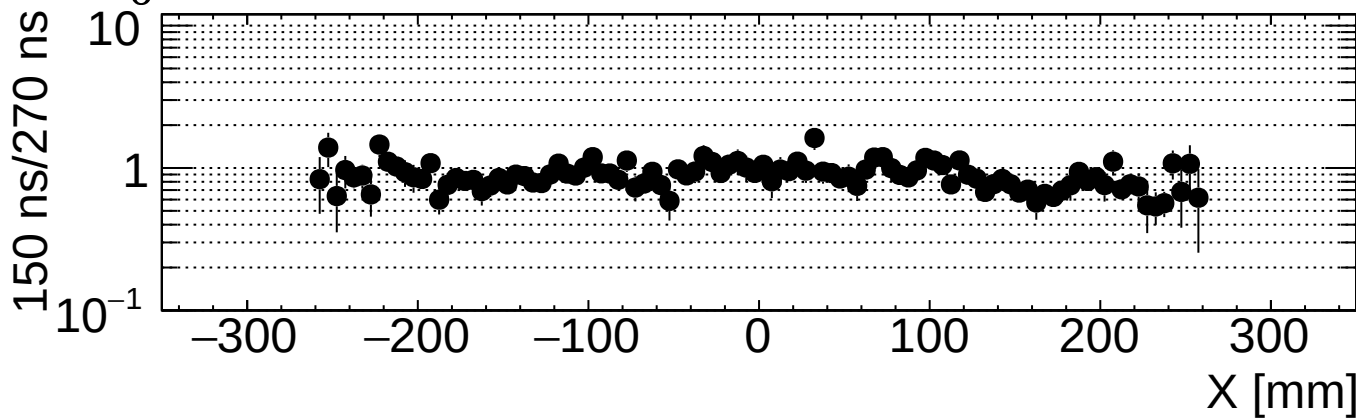
ECAL_Xgg_10ns1CoG20DegreeDeltaTheta

PADMEInternal

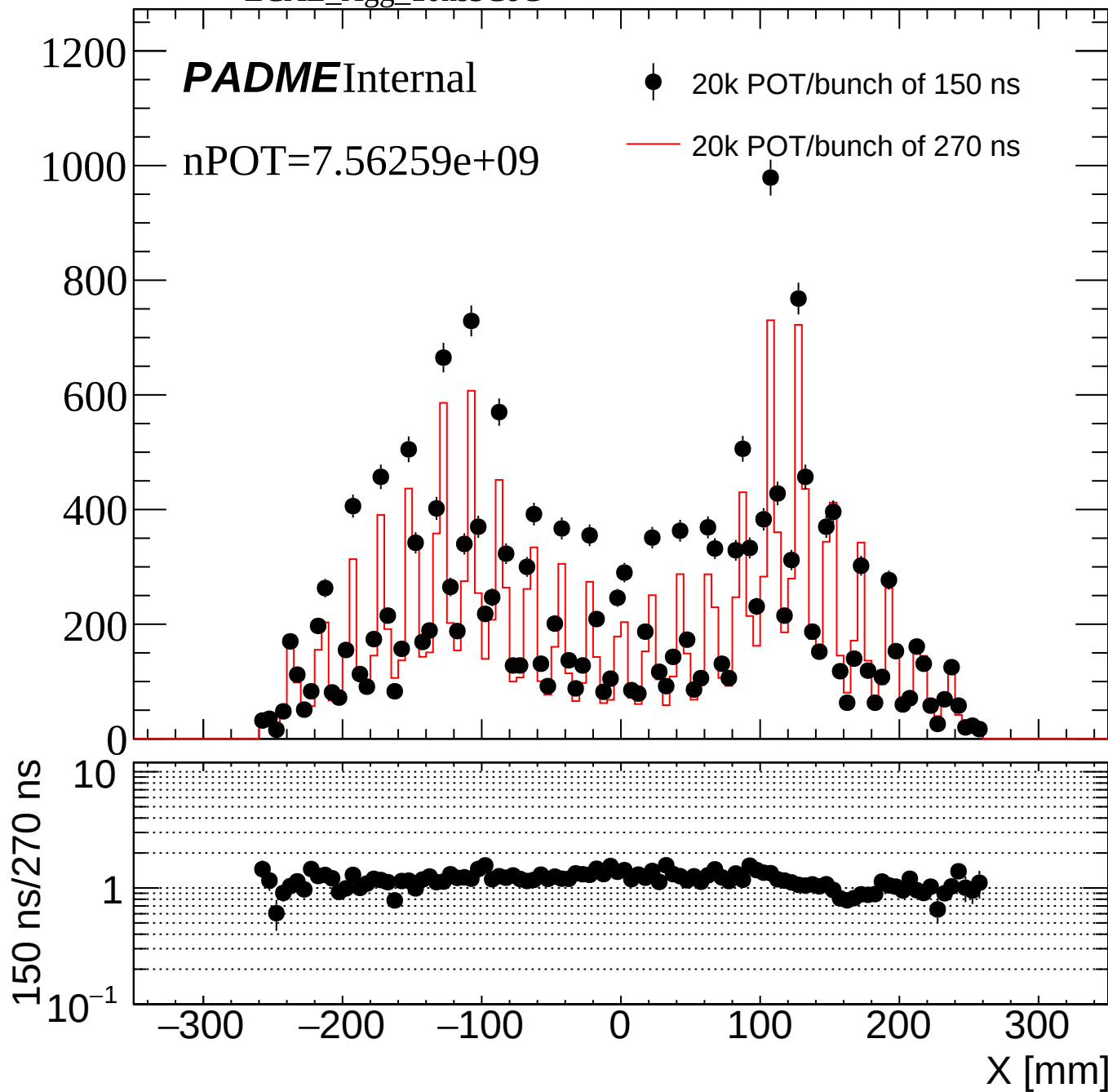
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Xgg_10ns3CoG



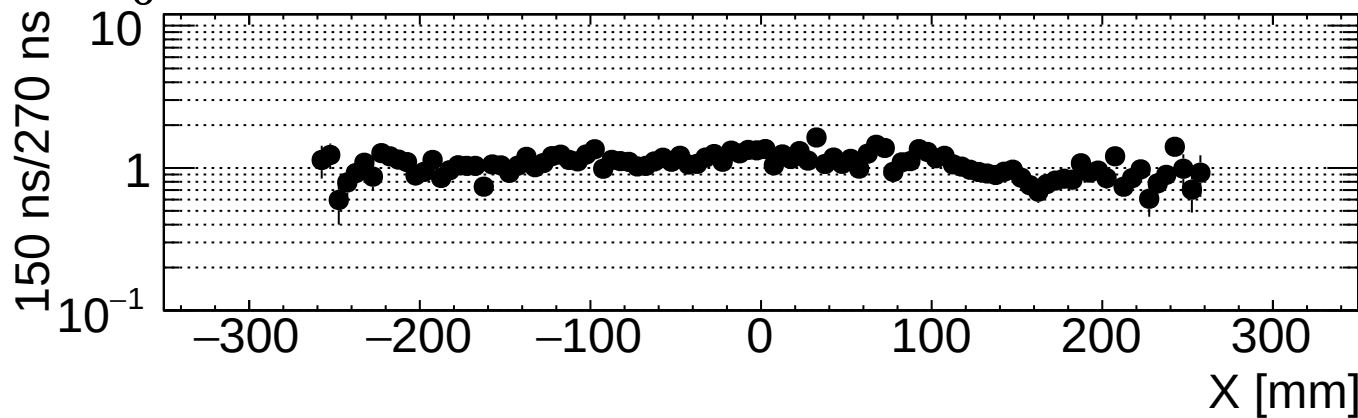
ECAL_Xgg_10ns3CoGUnderPeak

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



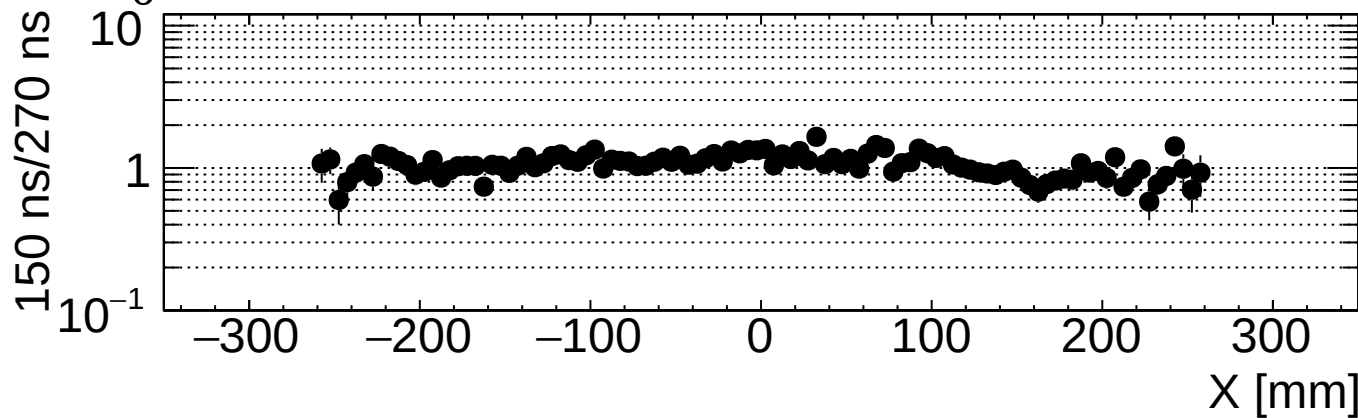
ECAL_Xgg_10ns3CoGUnderPeakEThr90

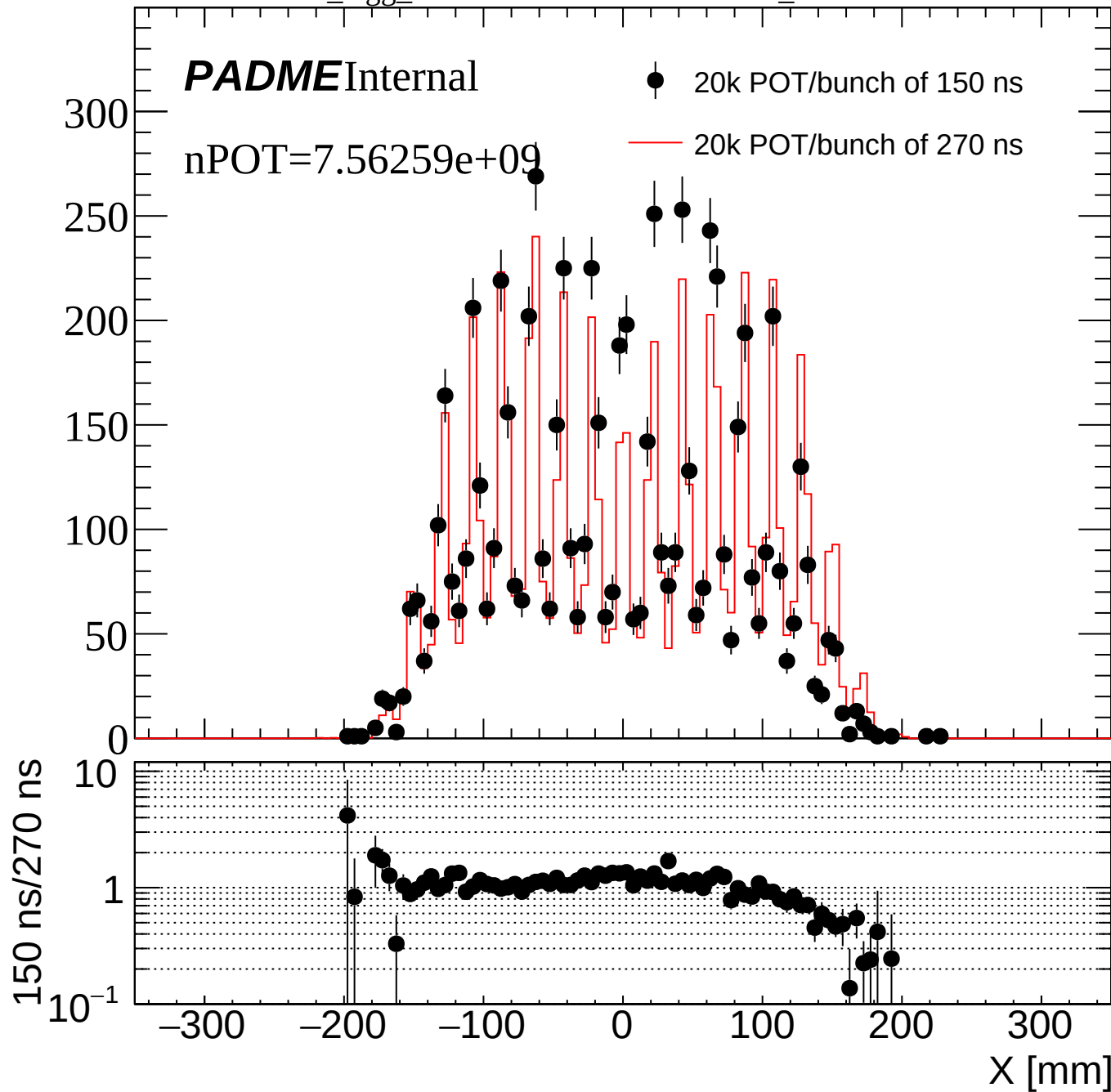
PADMEInternal

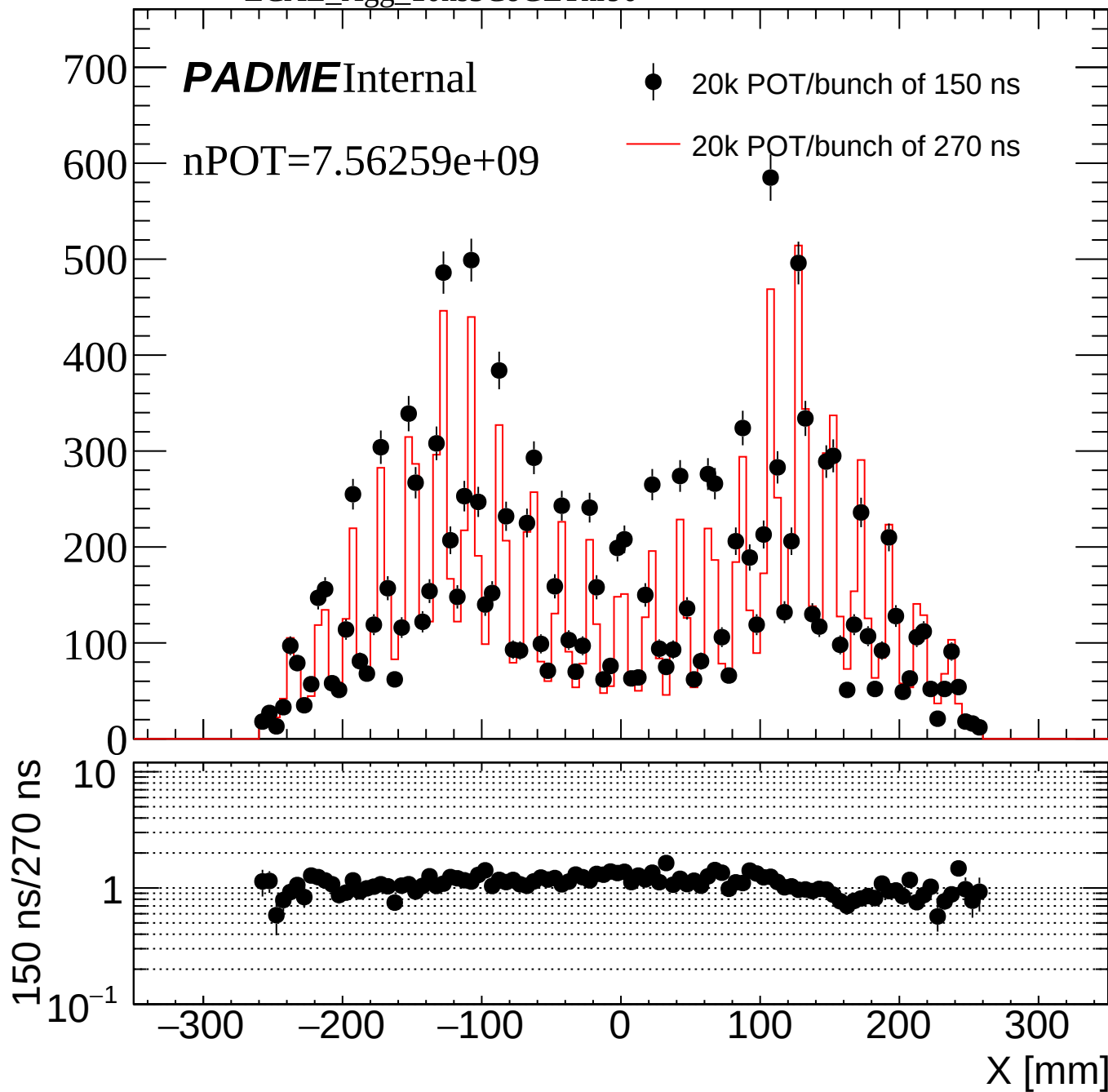
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns







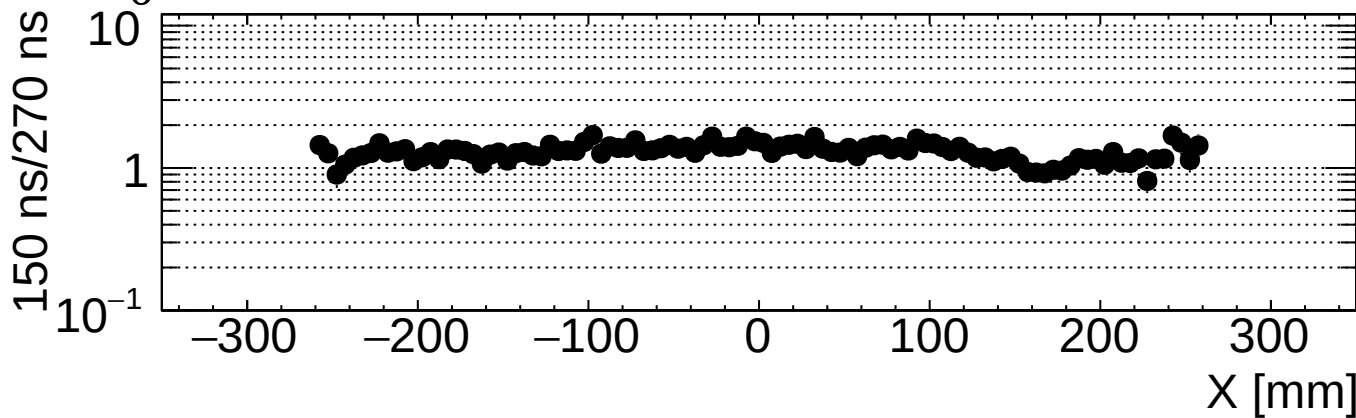
ECAL_Xgg_10ns5CoG

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



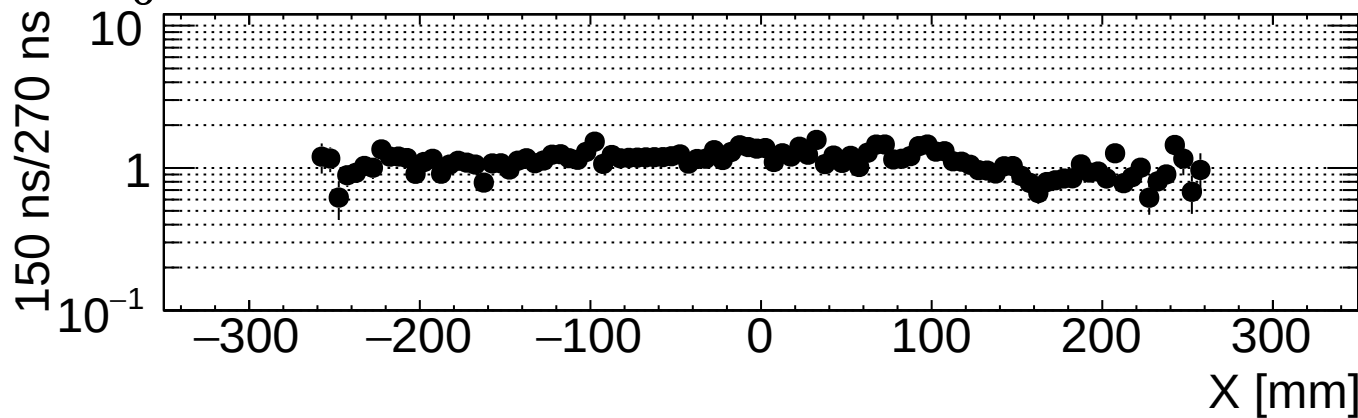
ECAL_Xgg_10ns5CoGUnderPeak

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



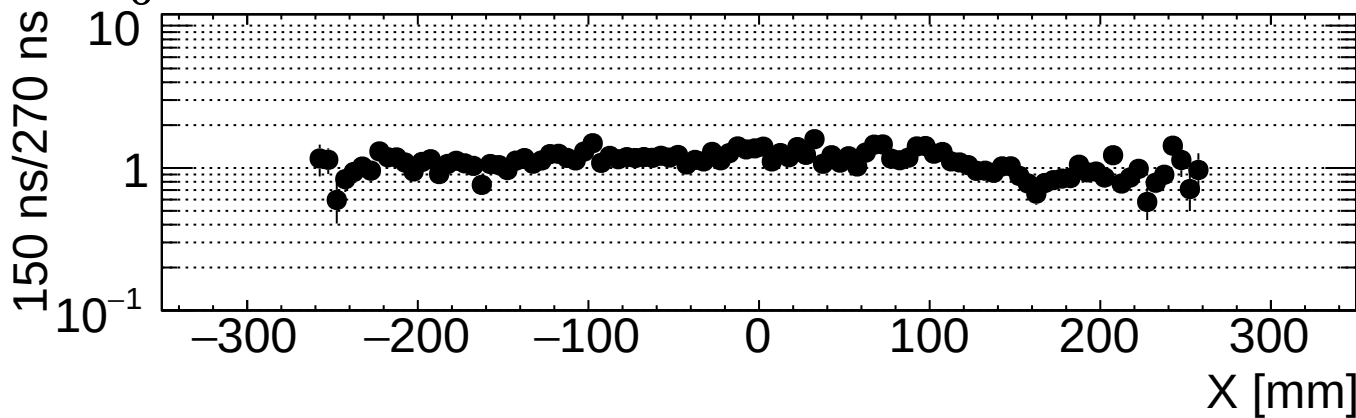
ECAL_Xgg_10ns5CoGUnderPeakEThr90

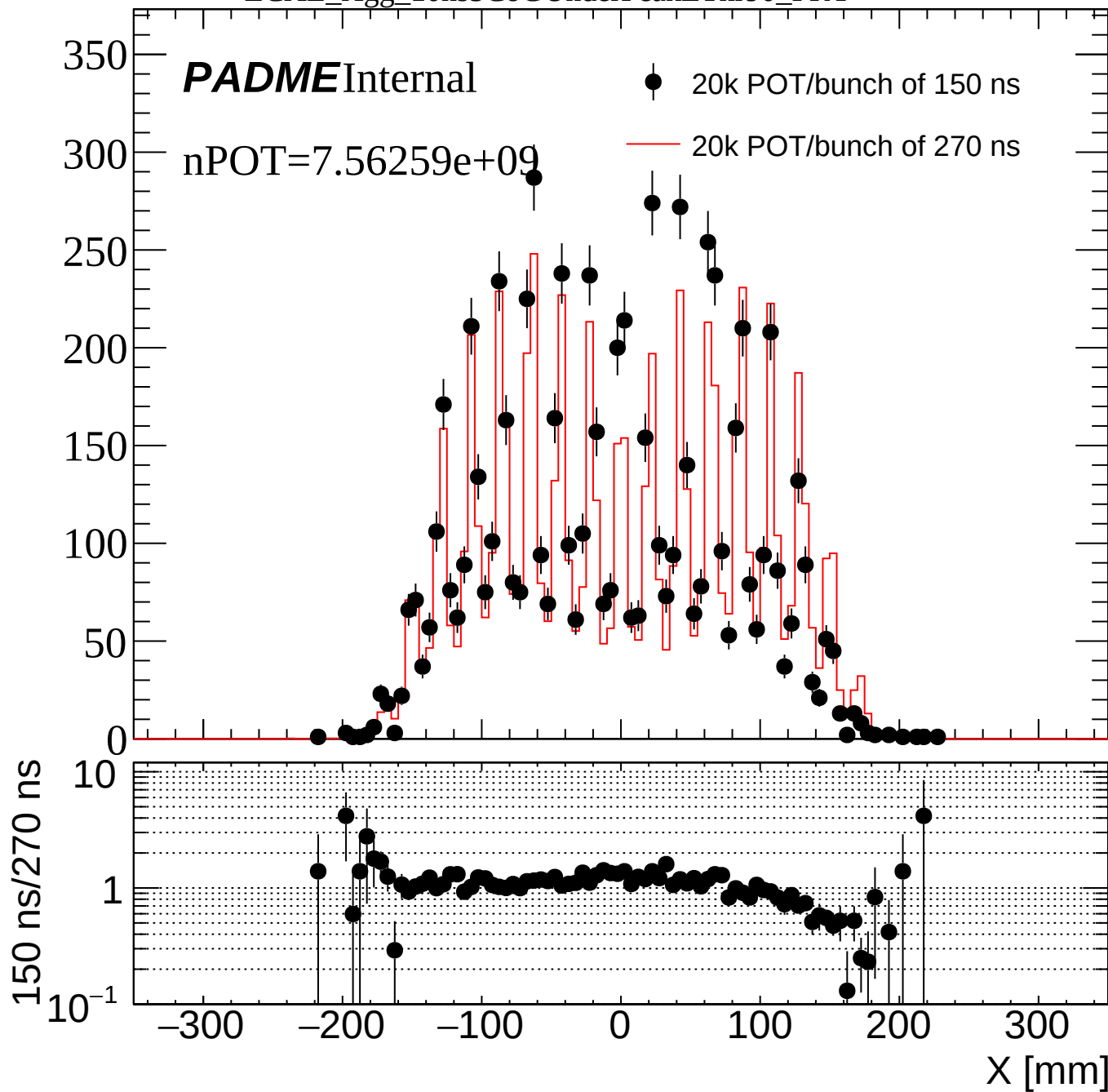
PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





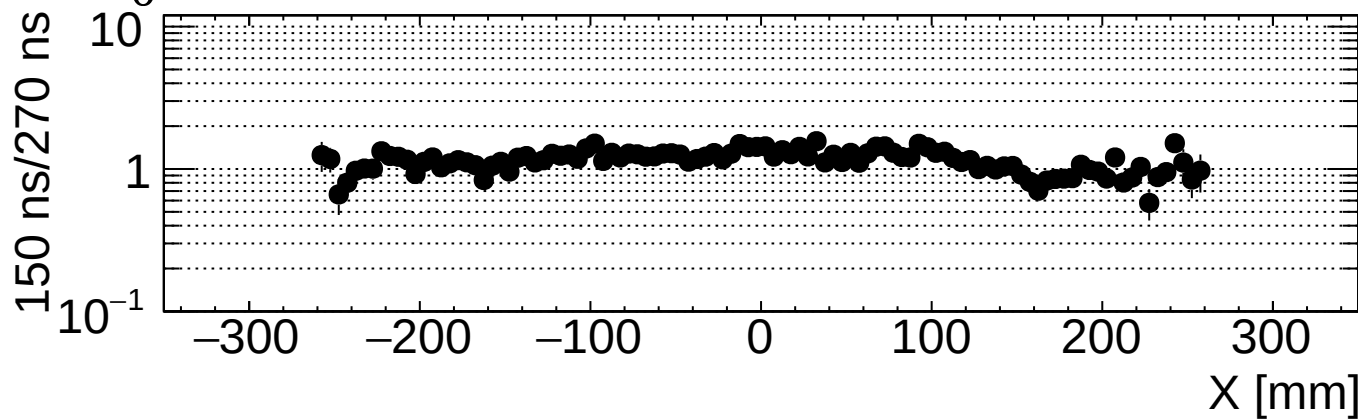
ECAL_Xgg_10ns5CoGEThr90

PADMEInternal

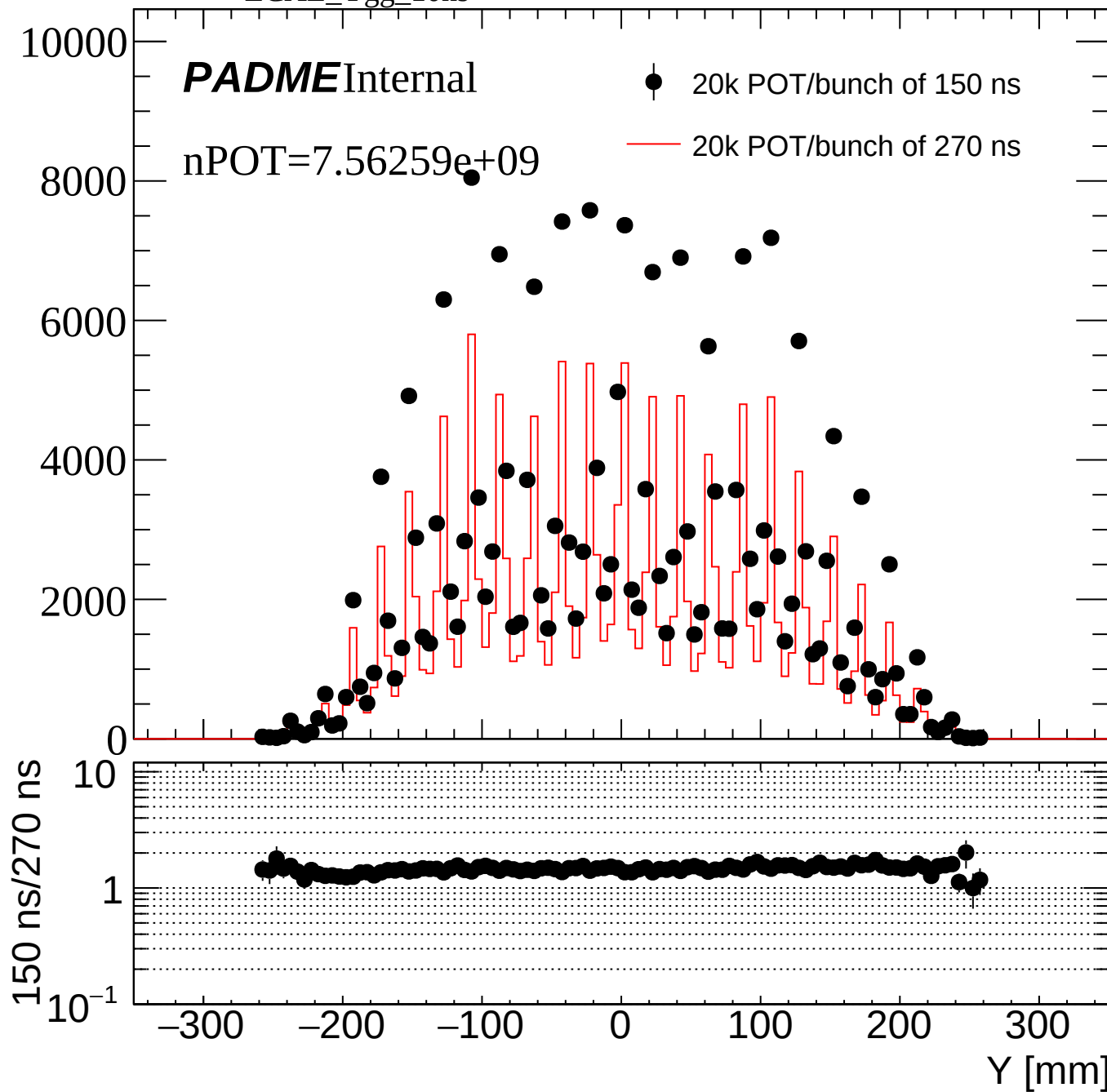
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

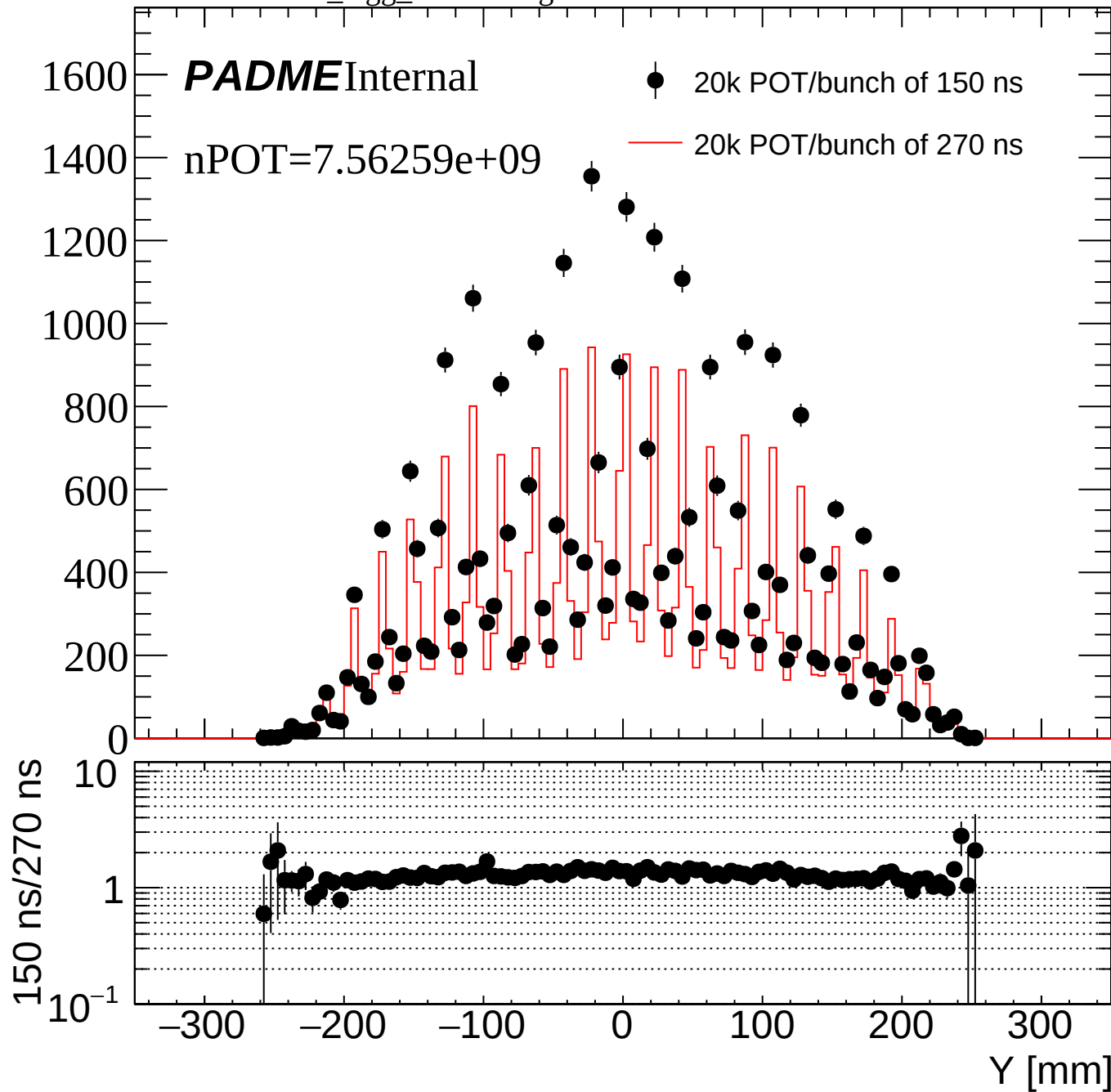
— 20k POT/bunch of 270 ns



ECAL_Ygg_10ns



ECAL_Ygg_10ns20Degree



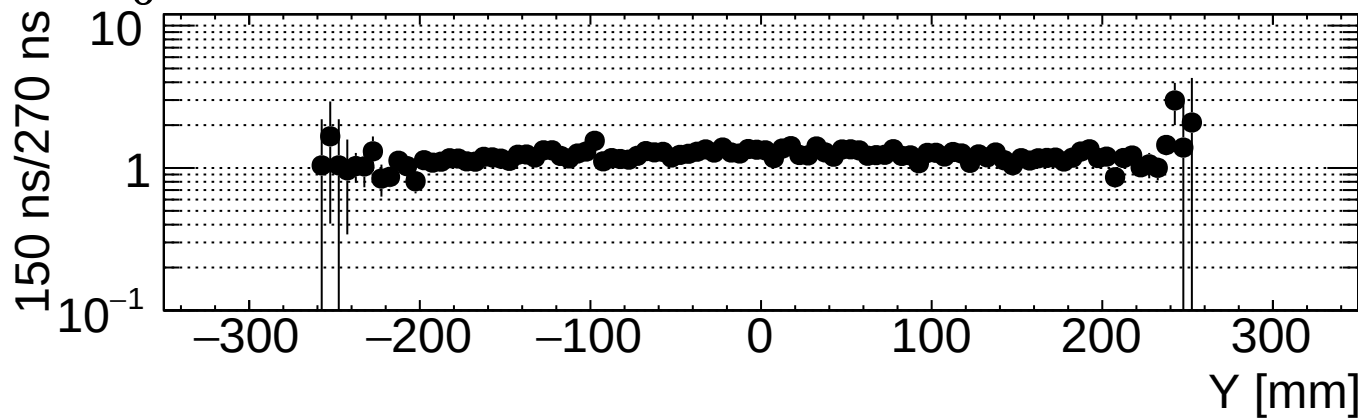
ECAL_Ygg_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



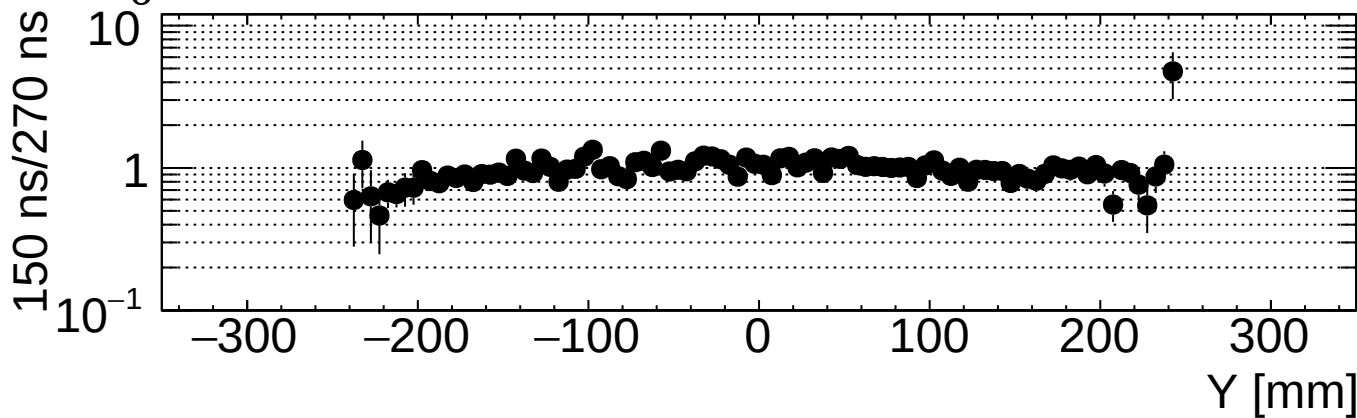
ECAL_Ygg_10ns5DegreeDeltaTheta

PADMEInternal

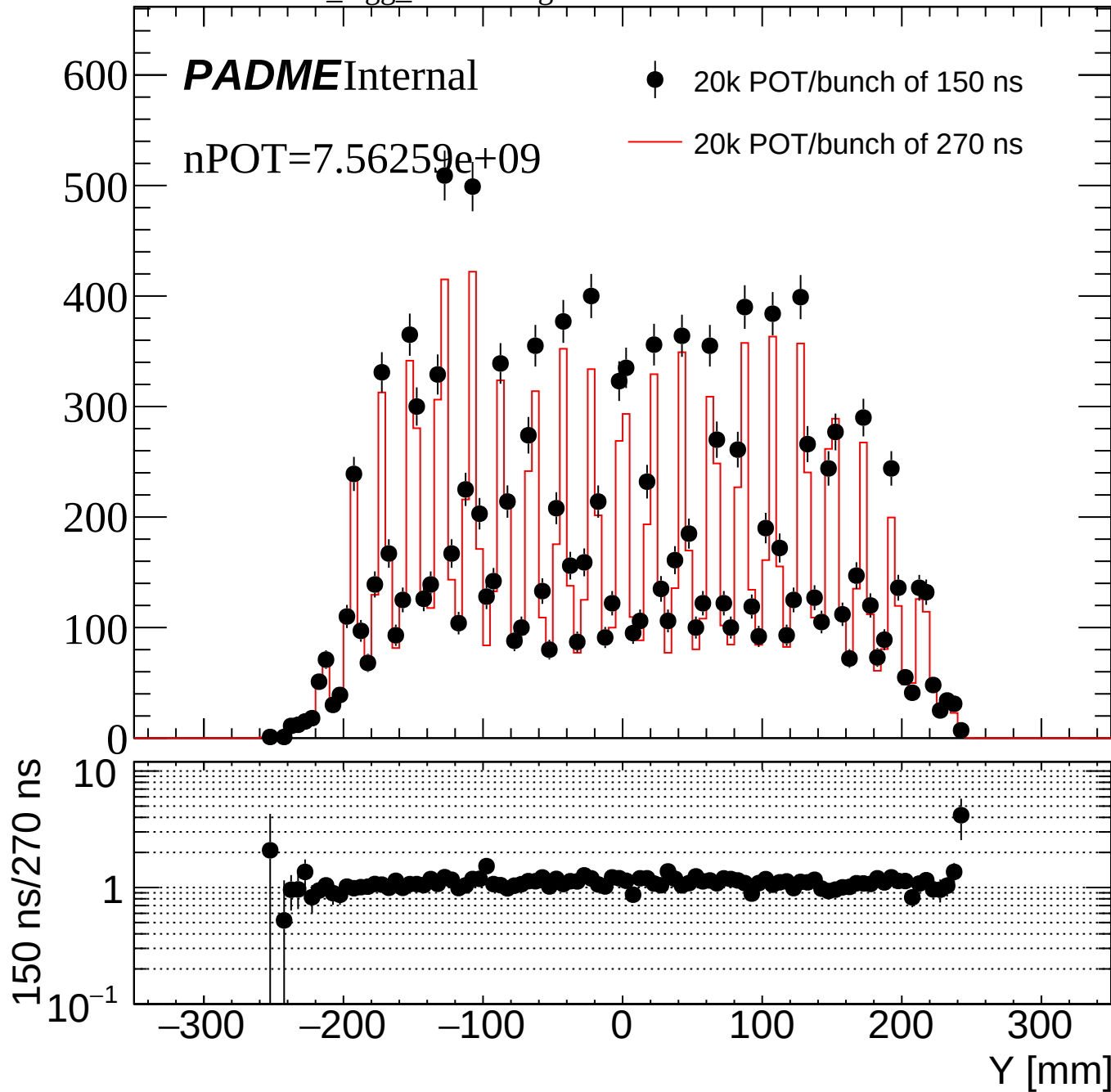
nPOT=7.56259e+09

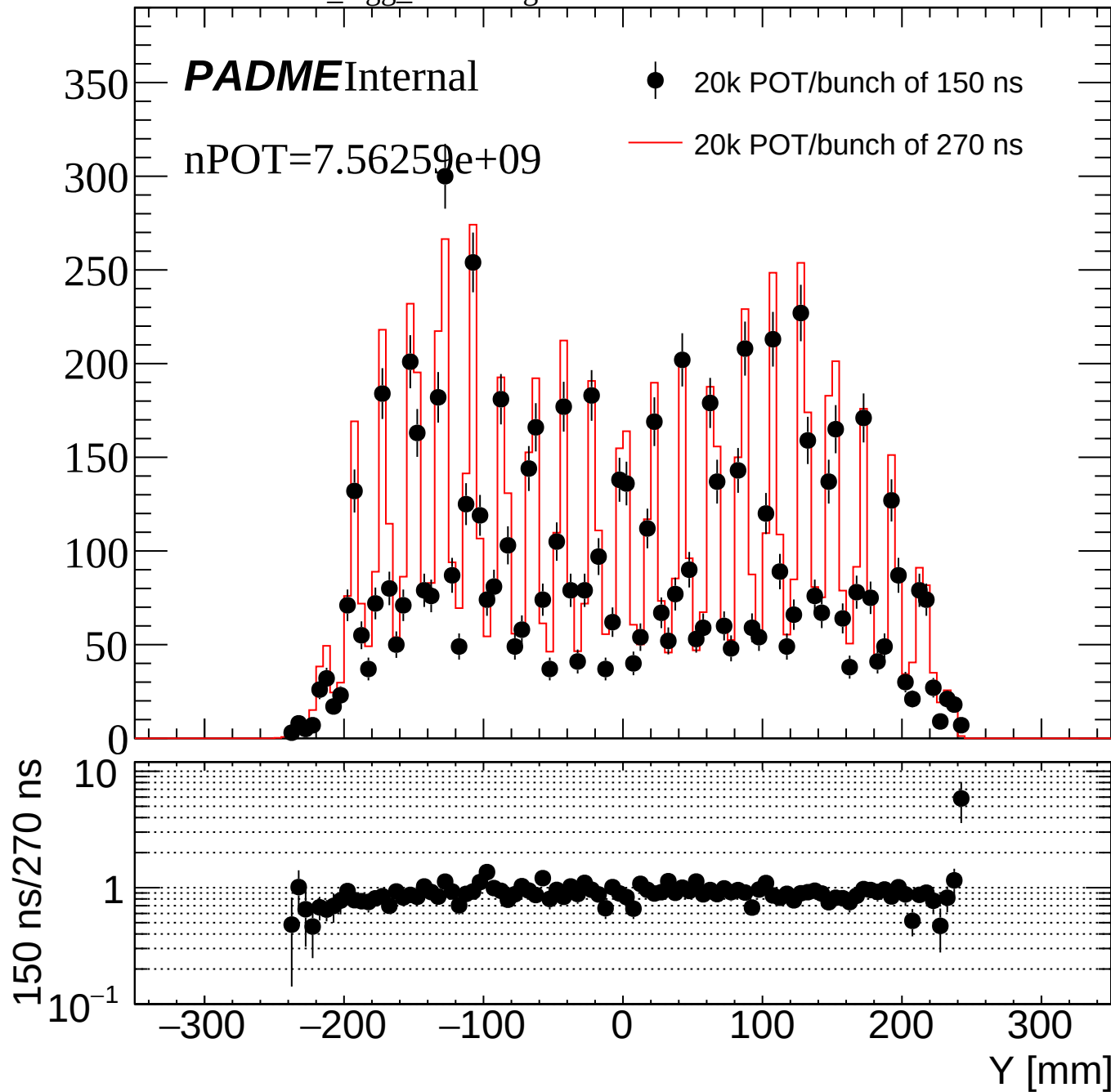
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

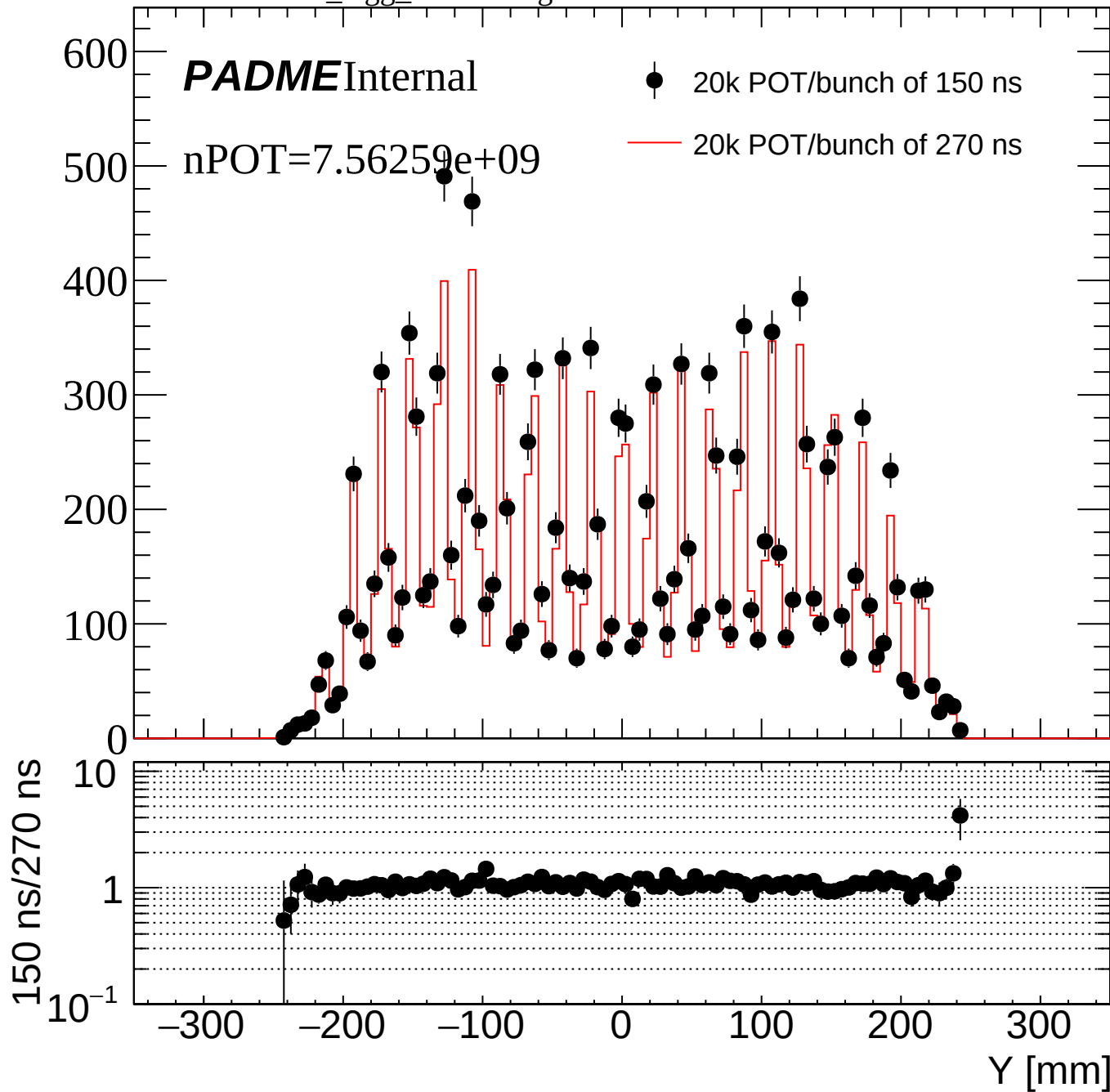


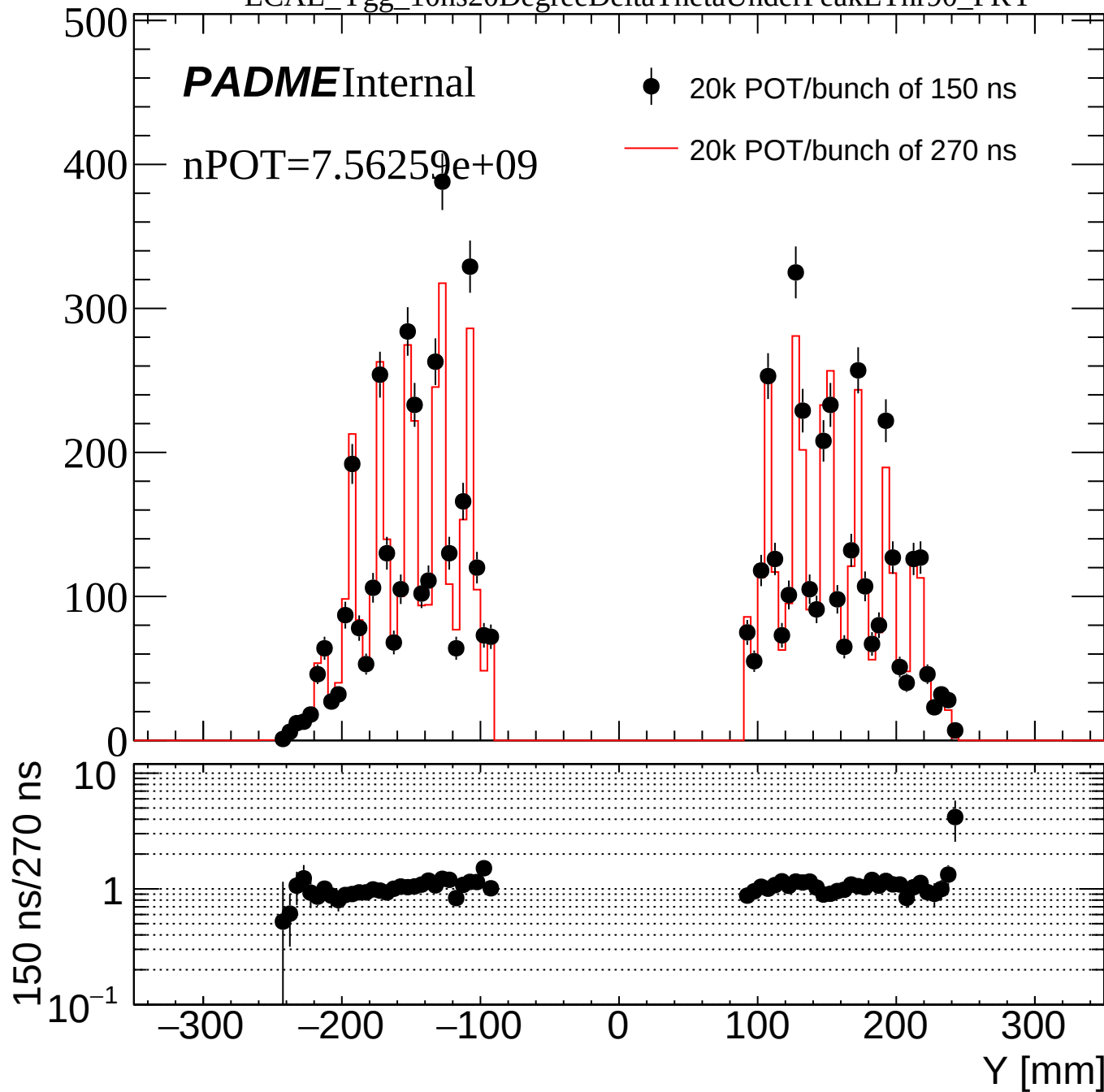
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak

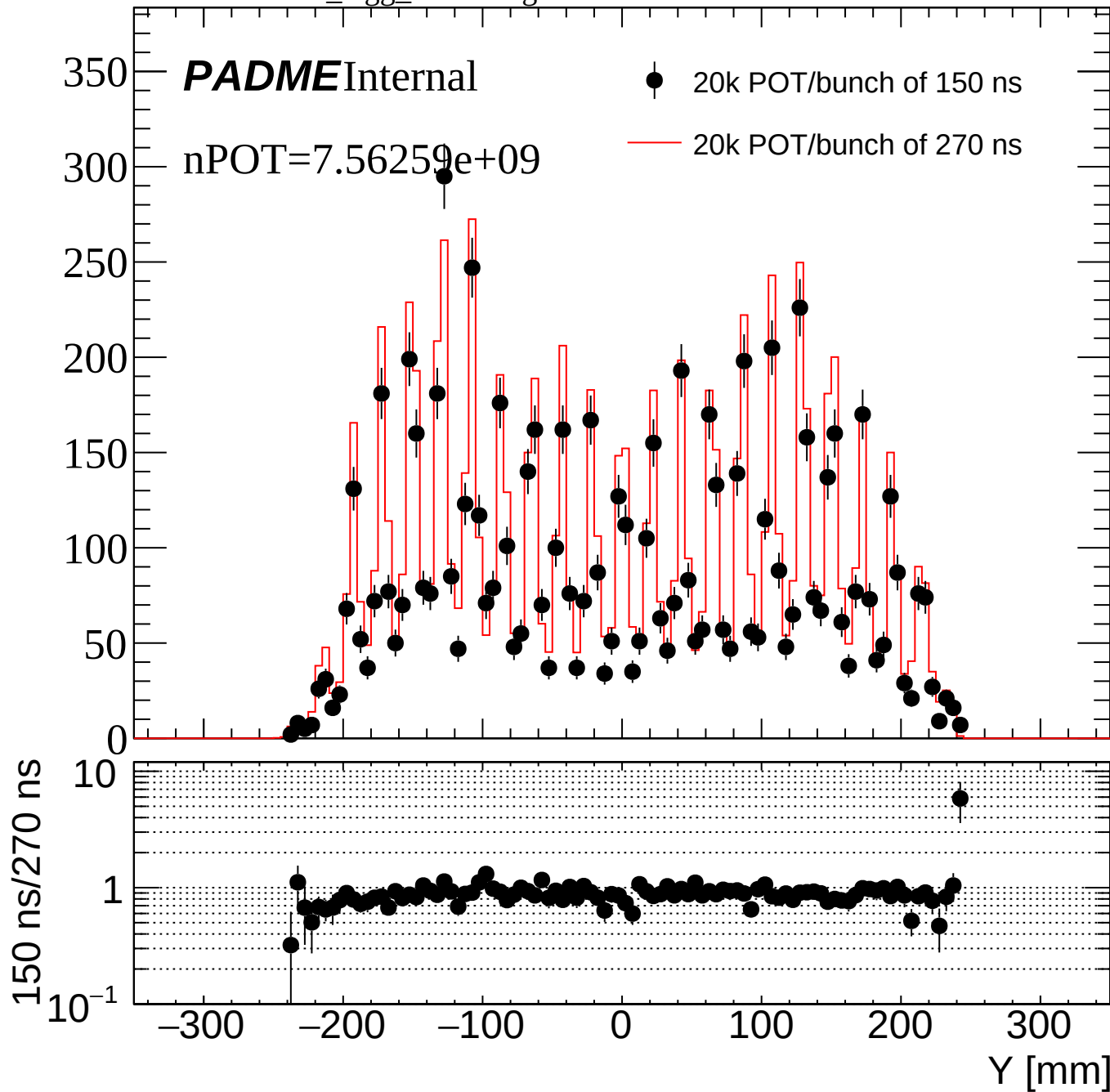


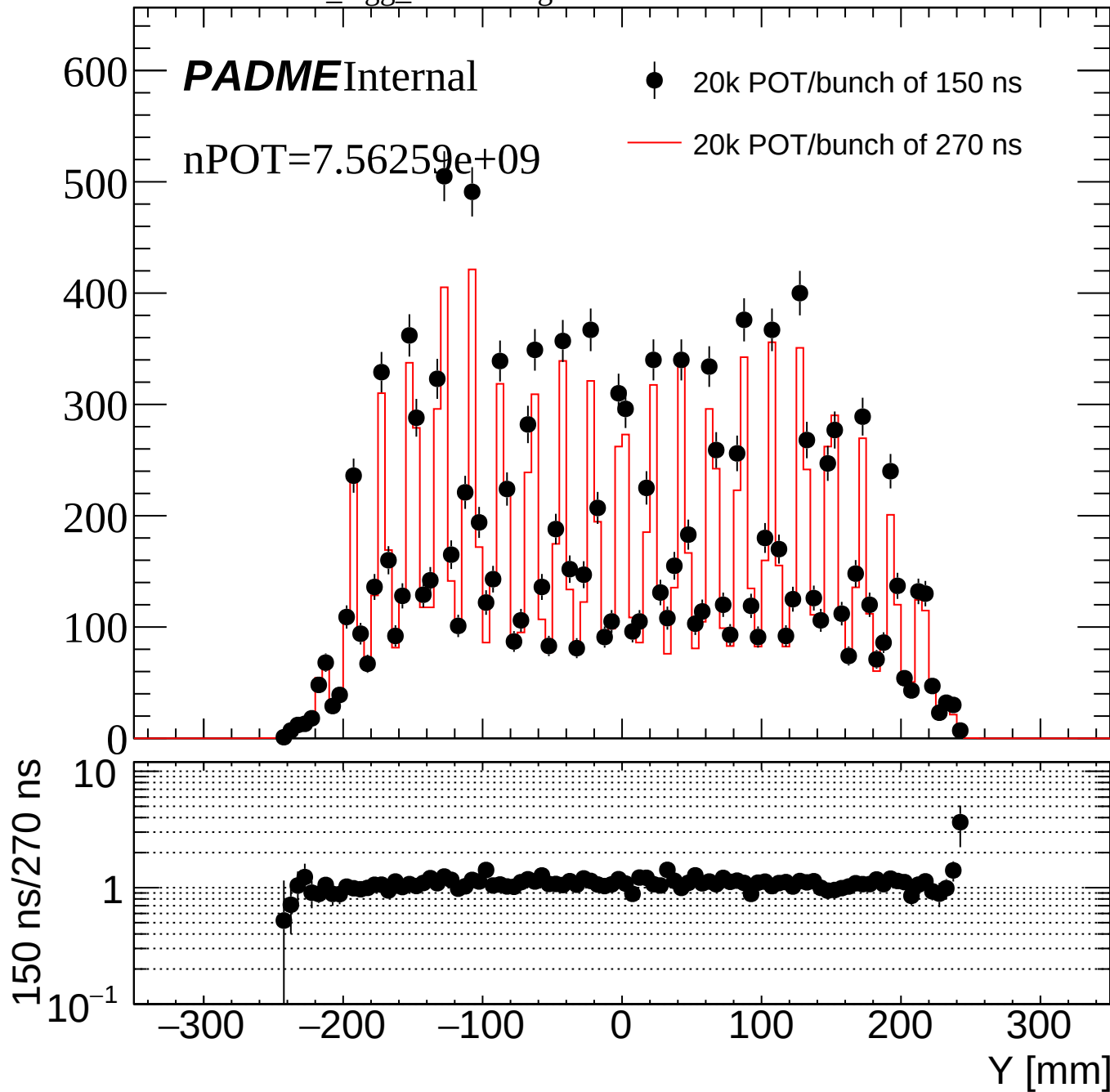


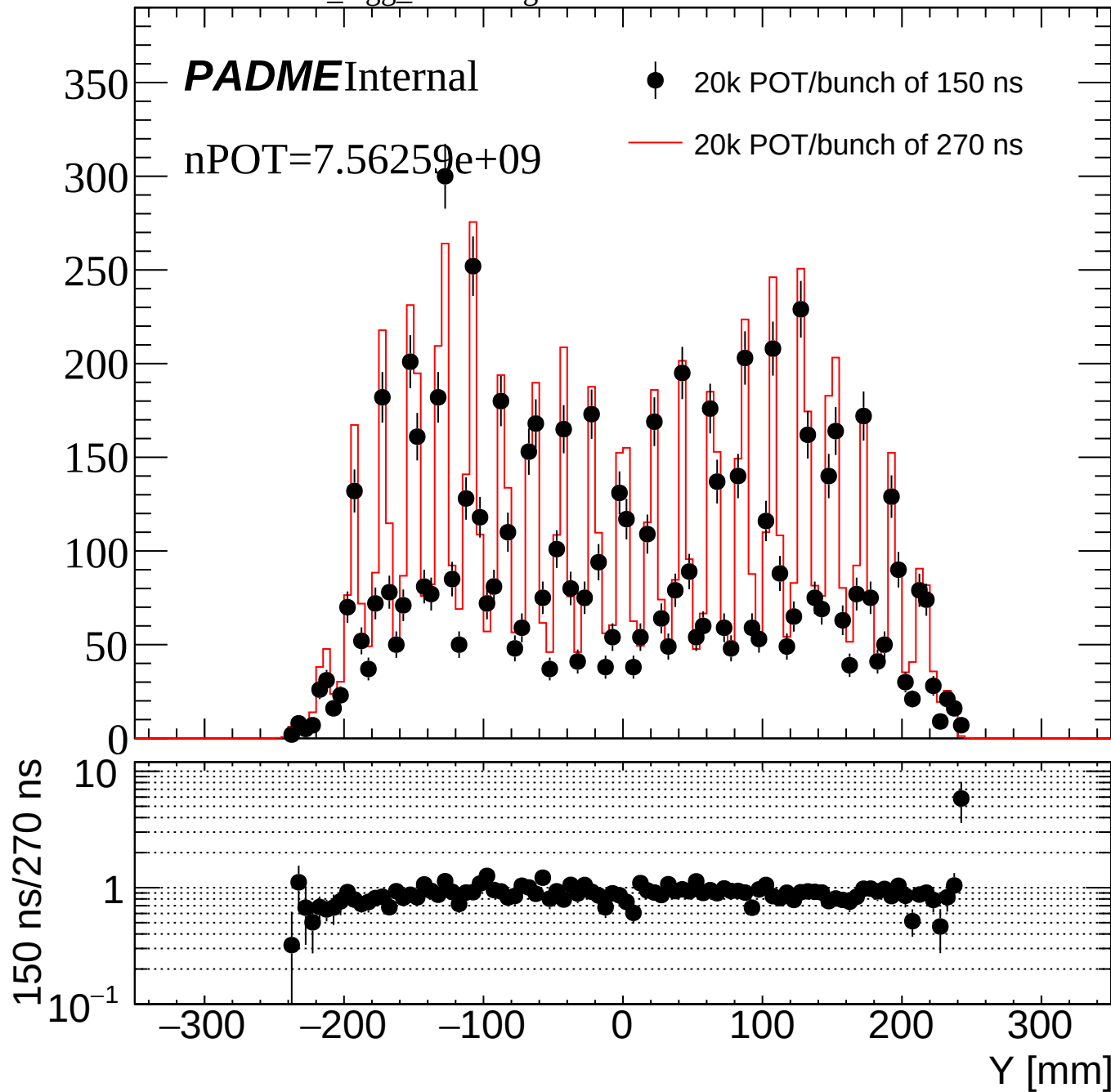
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90











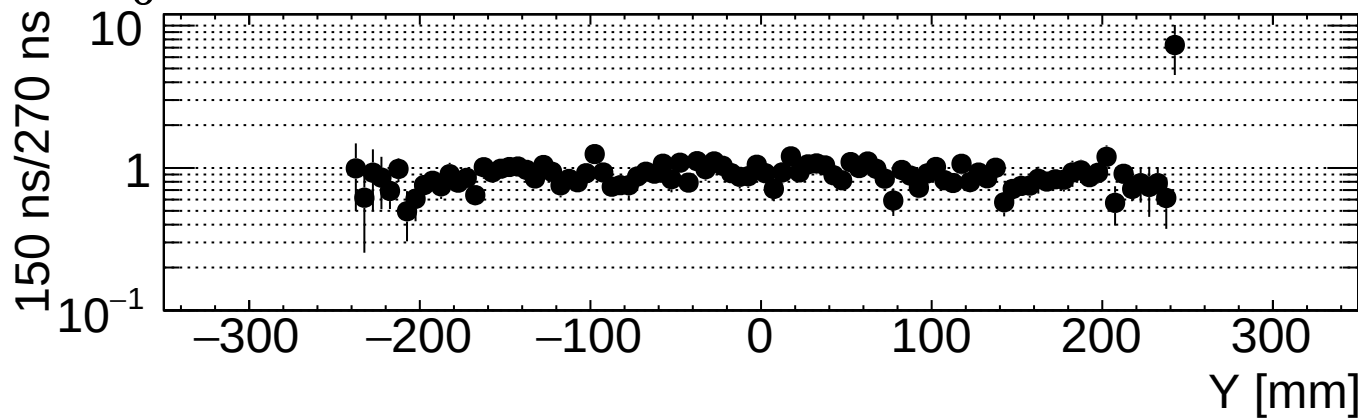
ECAL_Ygg_10ns1CoG

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

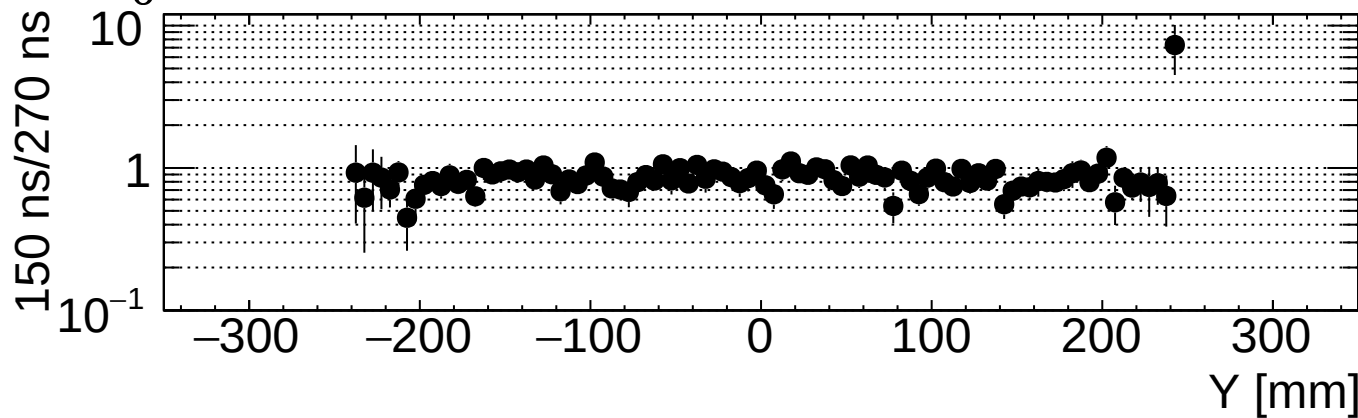


PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

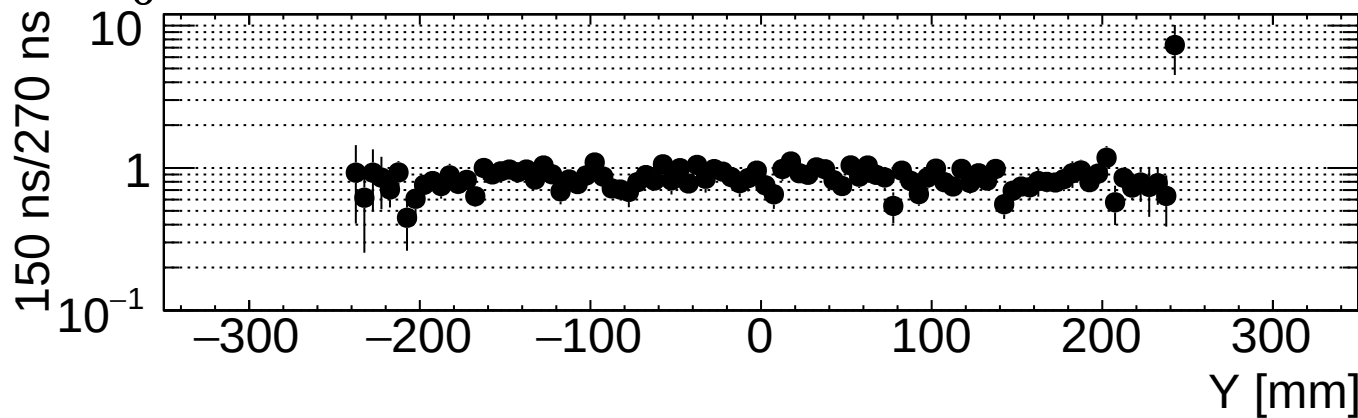


PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

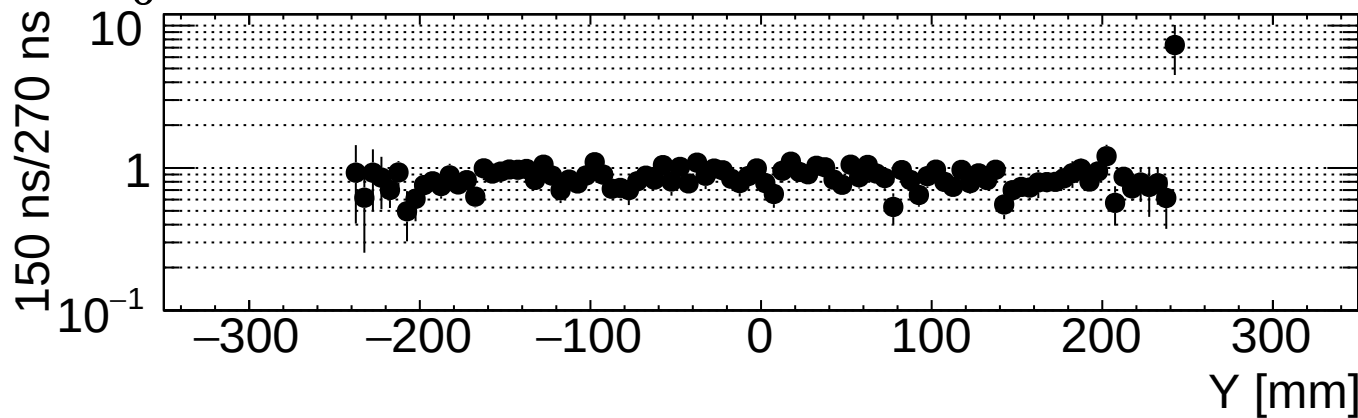


PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



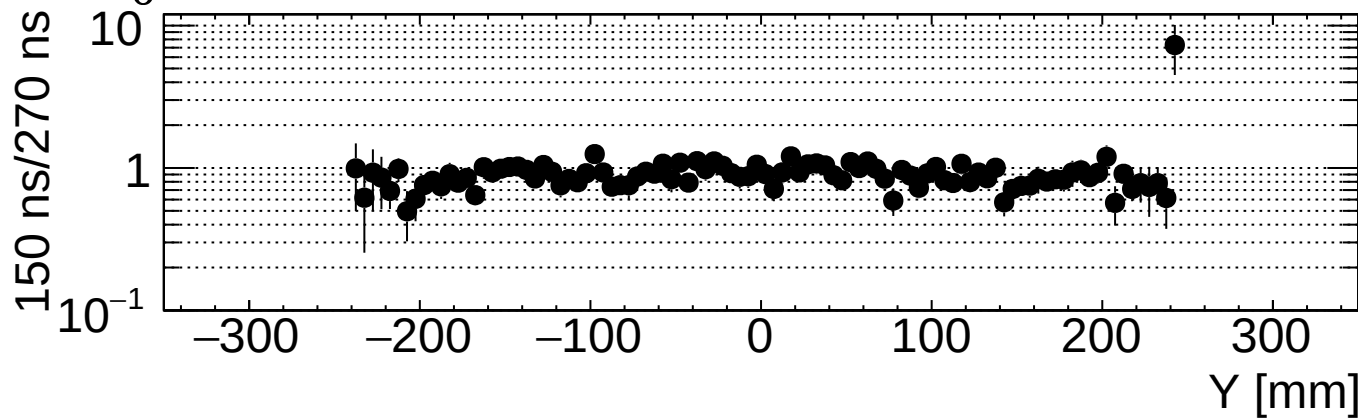
ECAL_Ygg_10ns1CoG20Degree

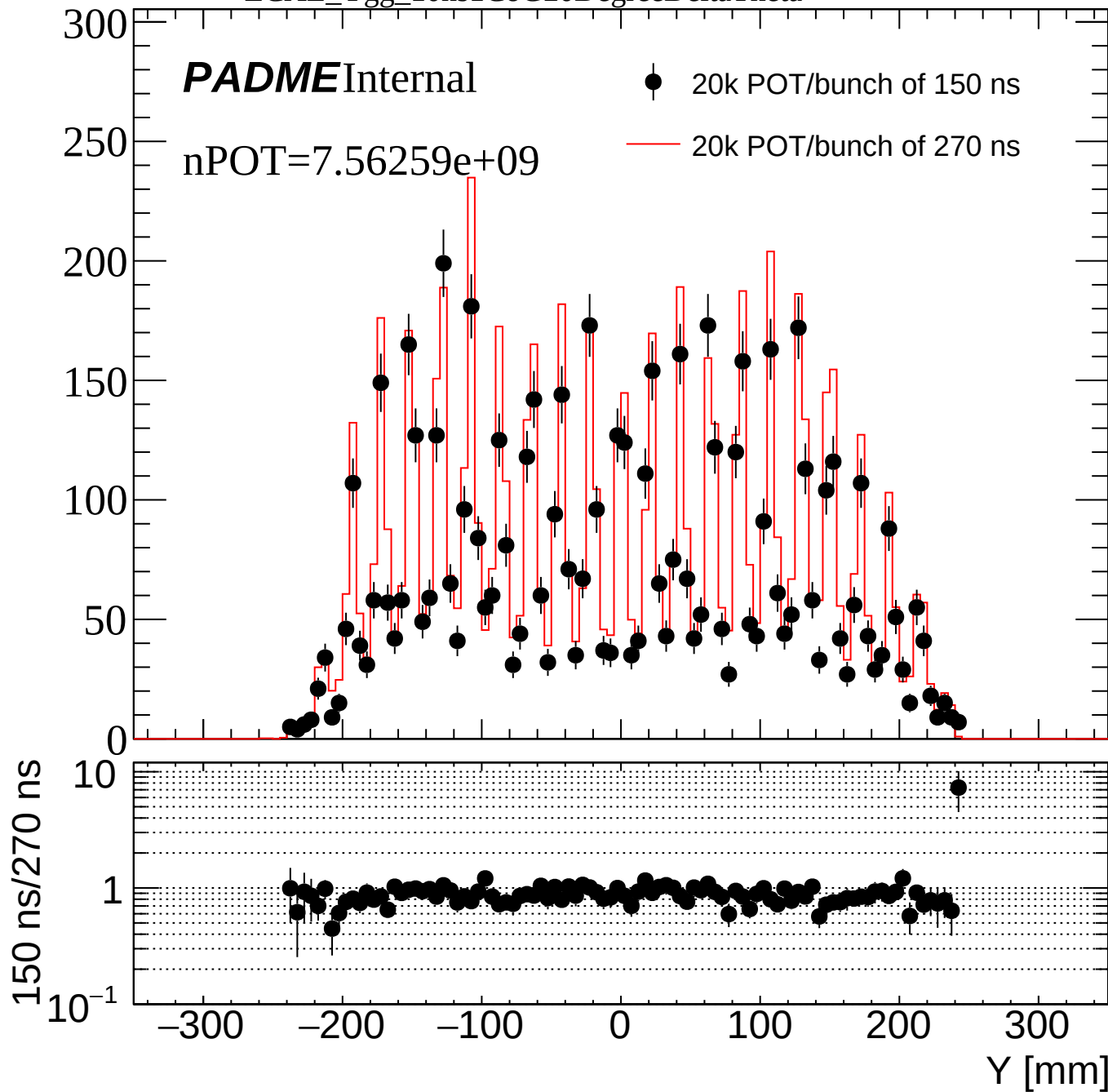
PADMEInternal

nPOT=7.56259e+09

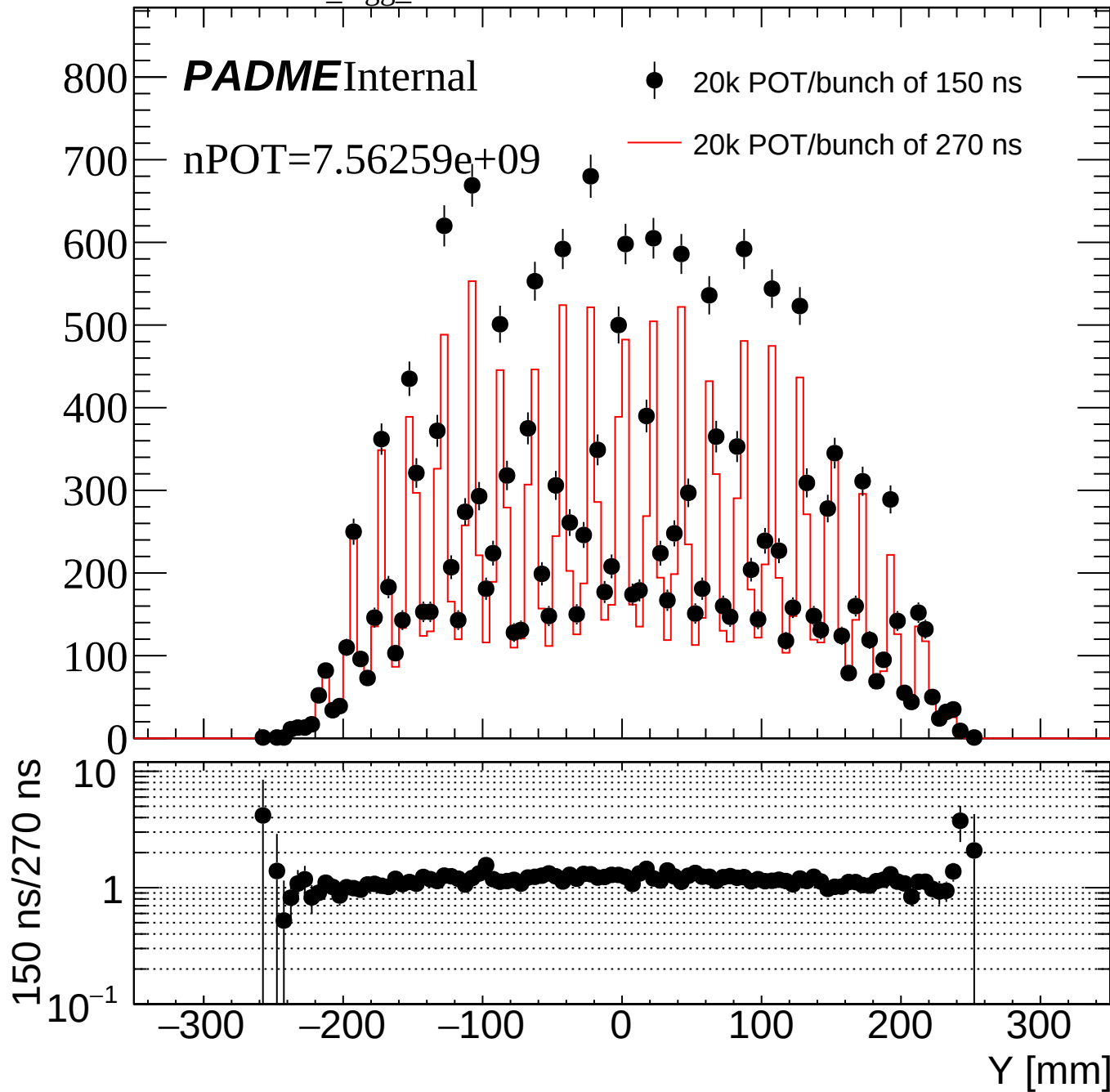
● 20k POT/bunch of 150 ns

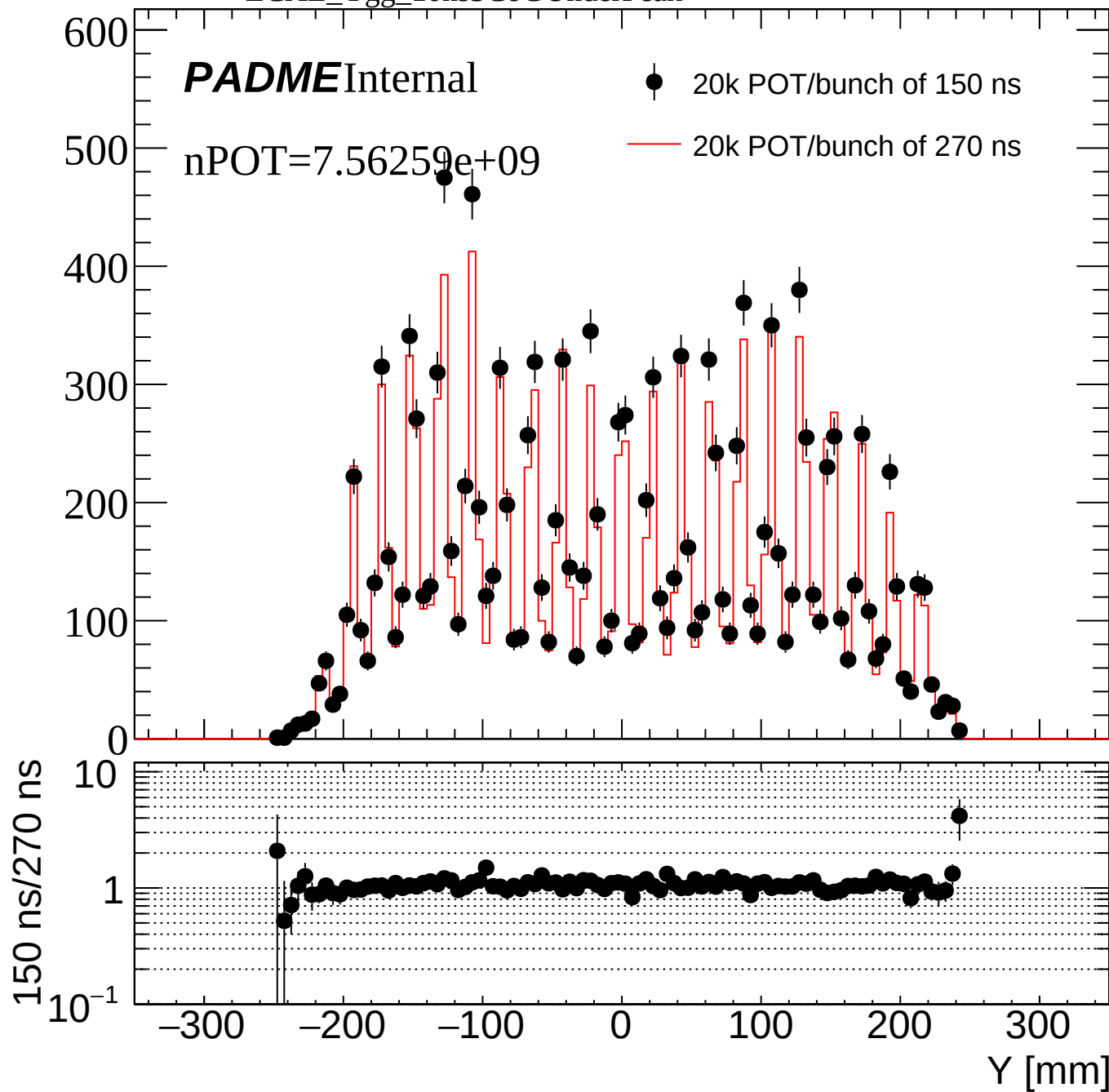
— 20k POT/bunch of 270 ns

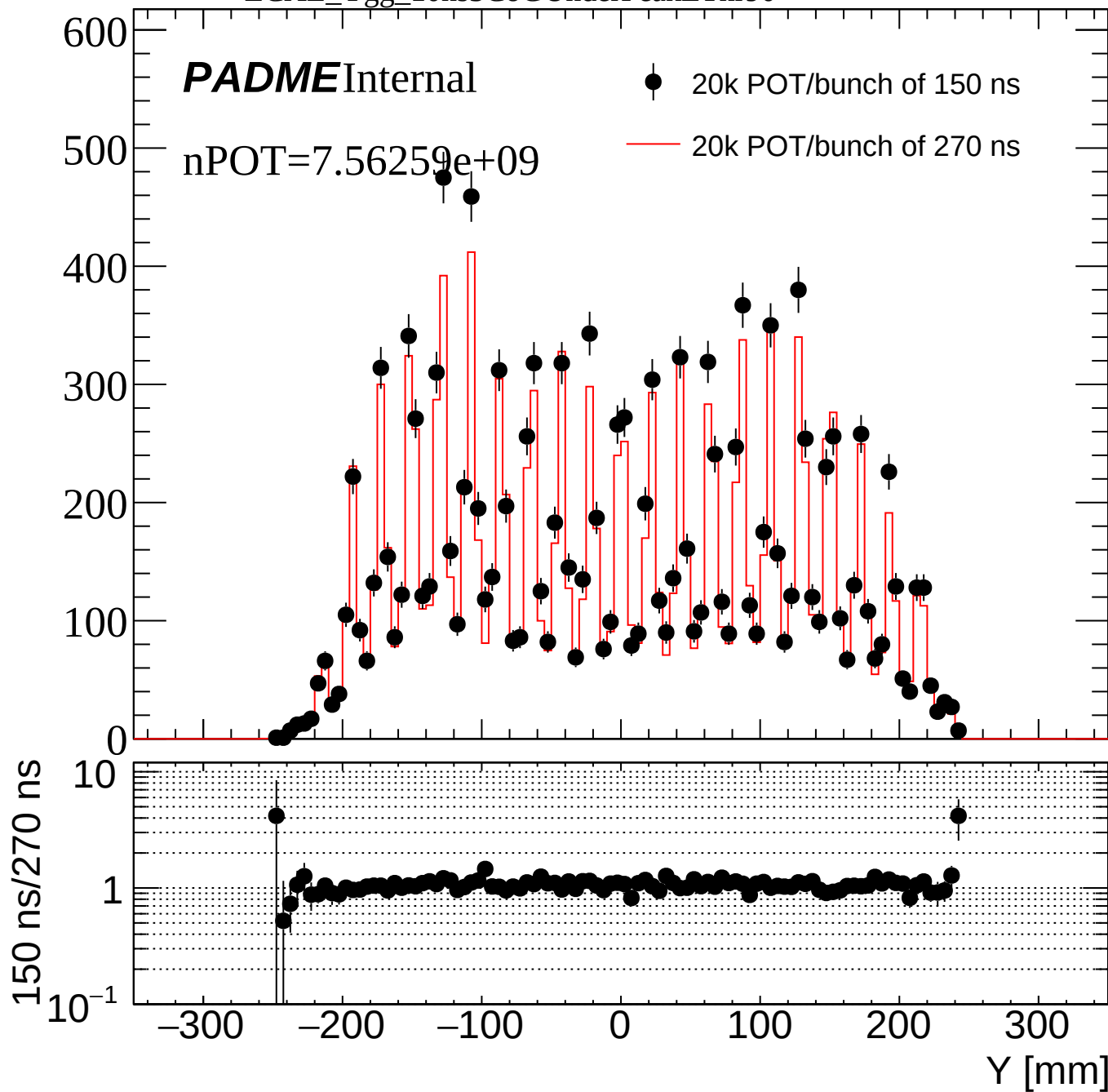


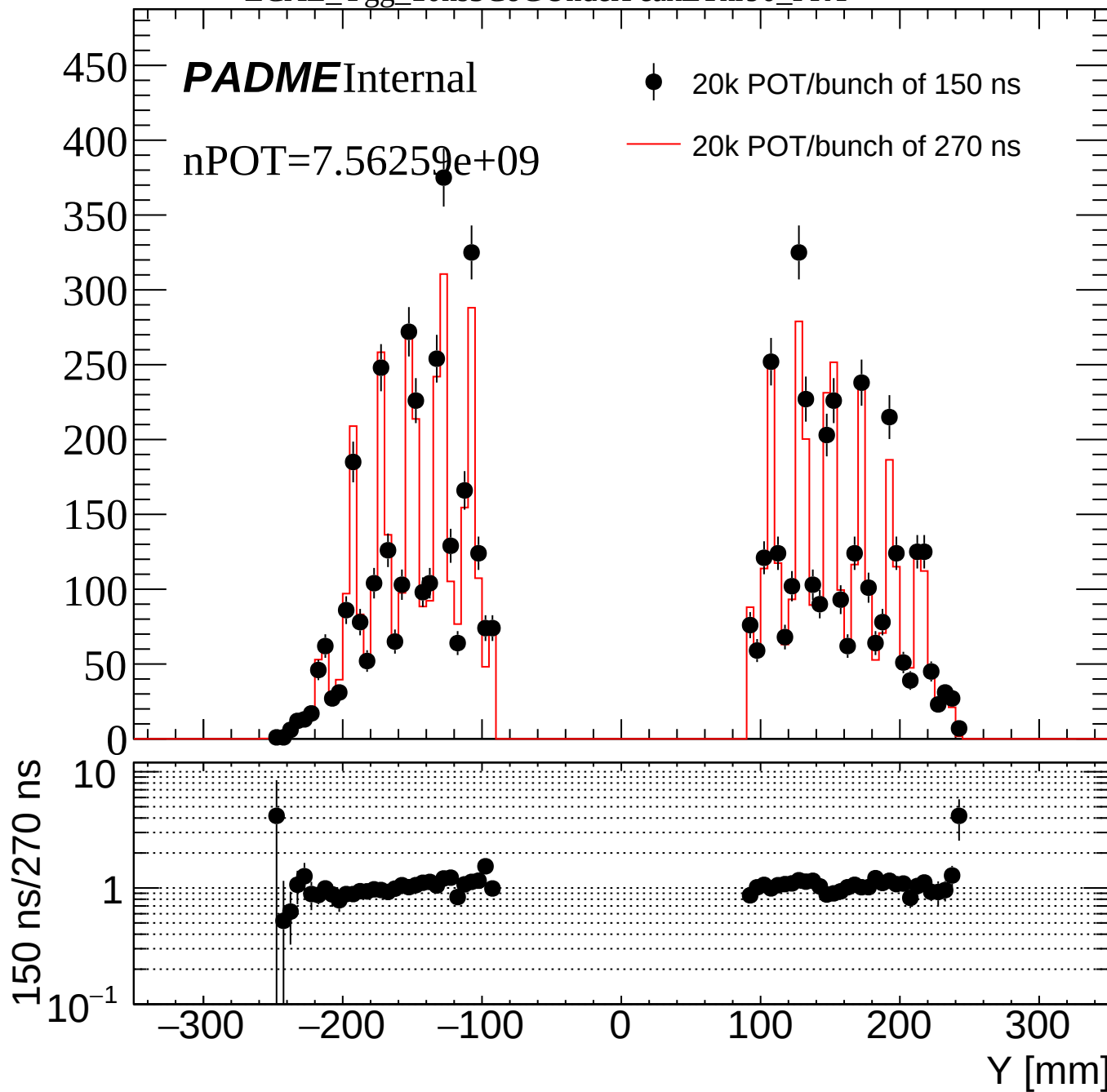


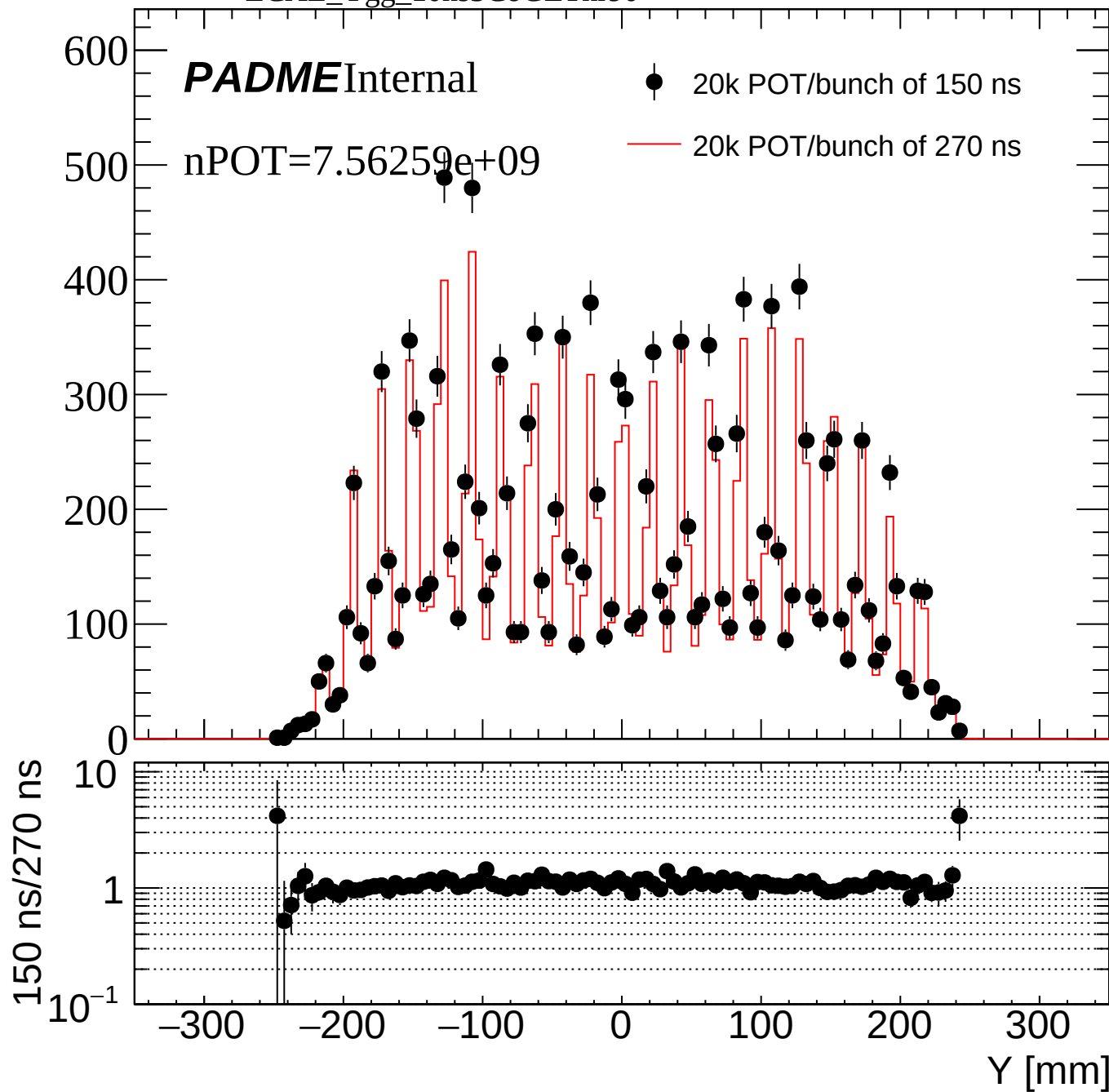
ECAL_Ygg_10ns3CoG











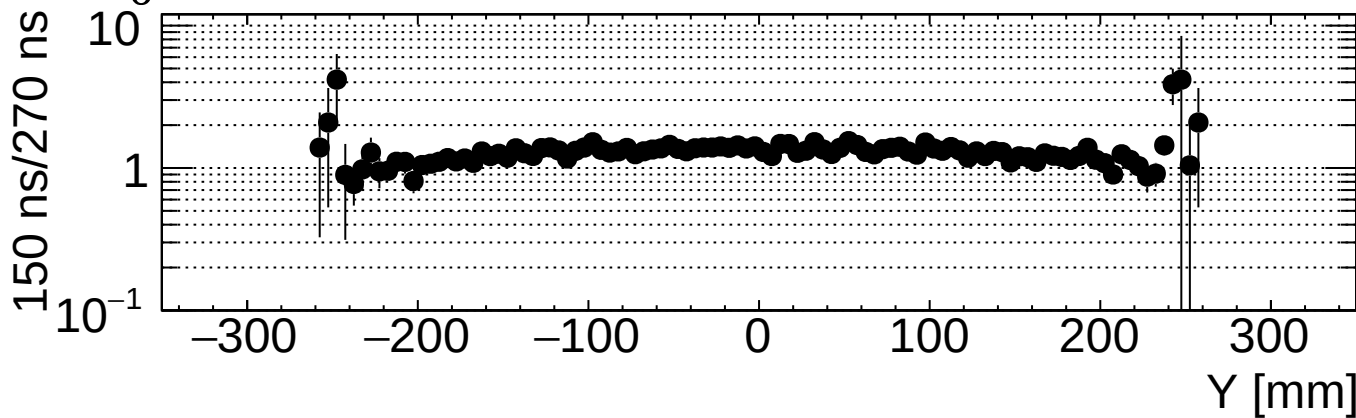
ECAL_Ygg_10ns5CoG

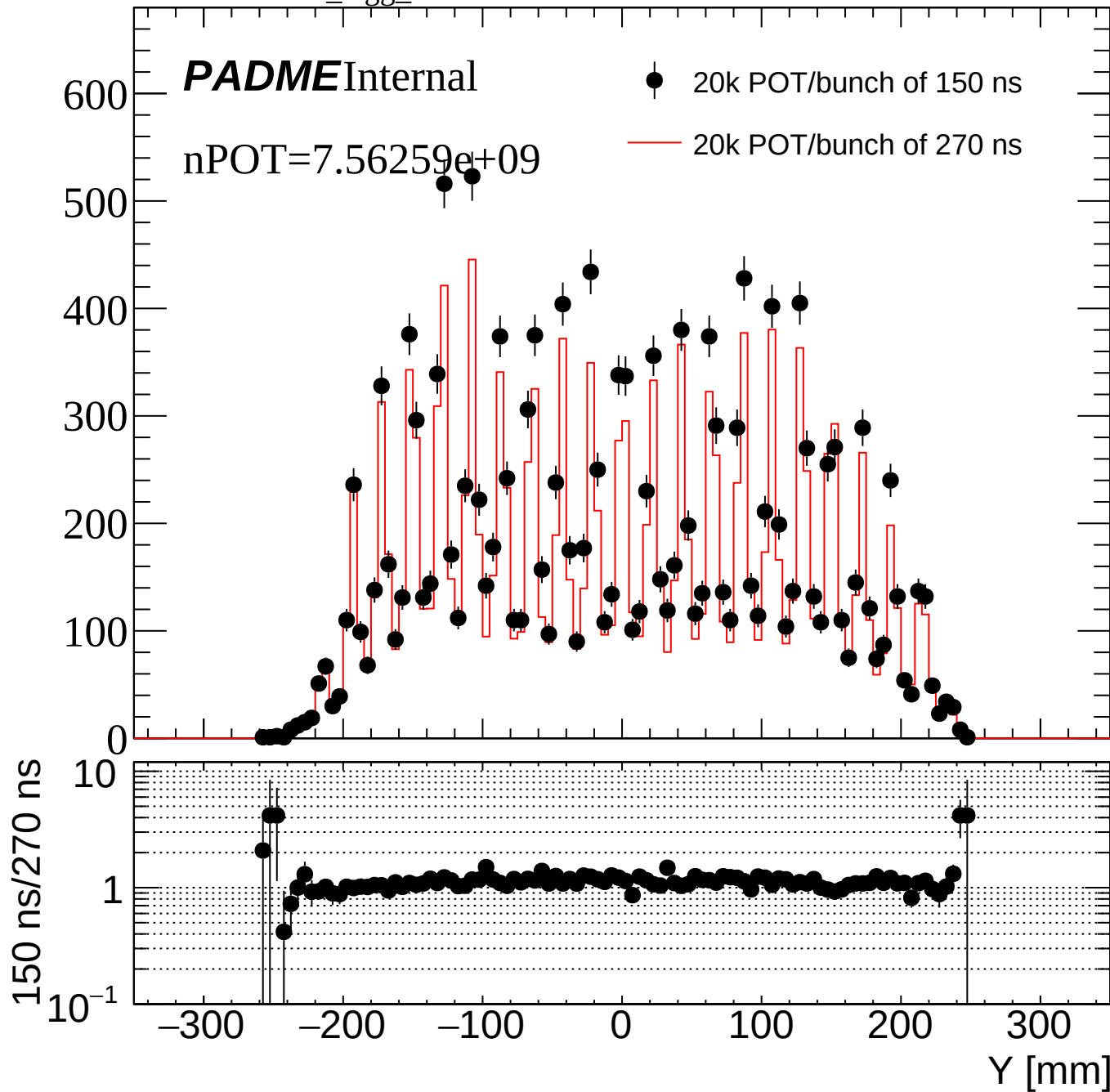
PADMEInternal

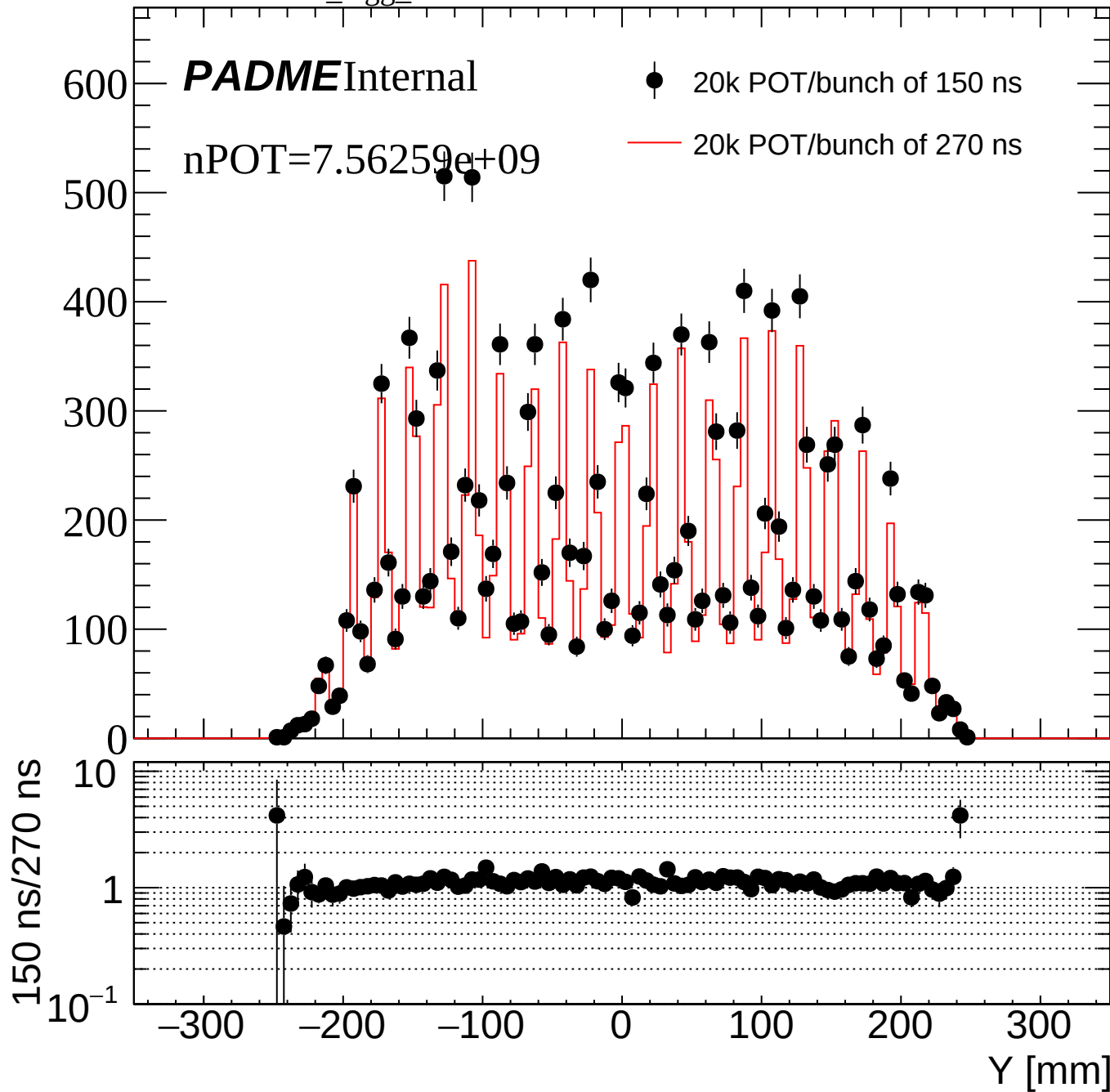
nPOT=7.56259e+09

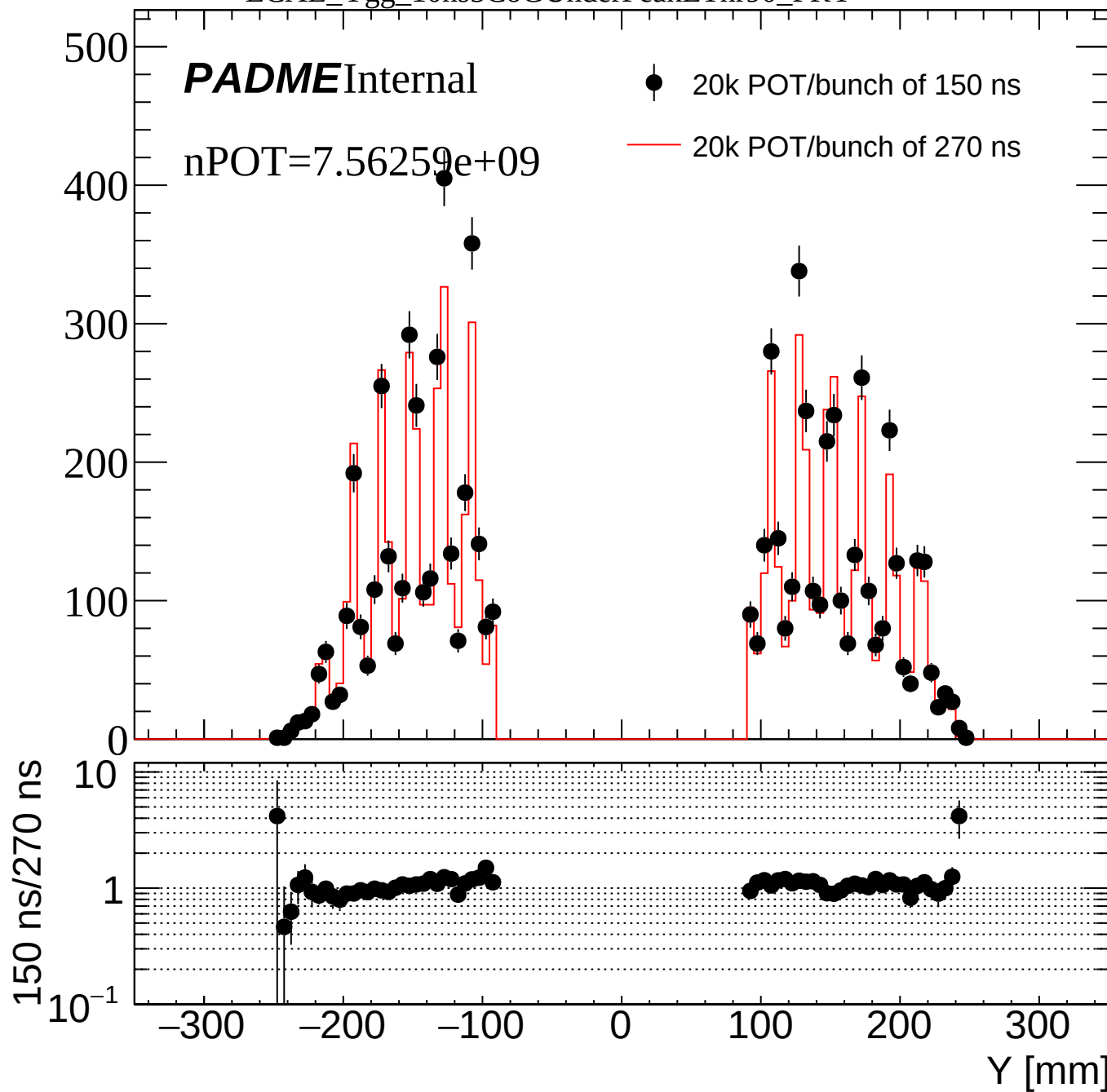
● 20k POT/bunch of 150 ns

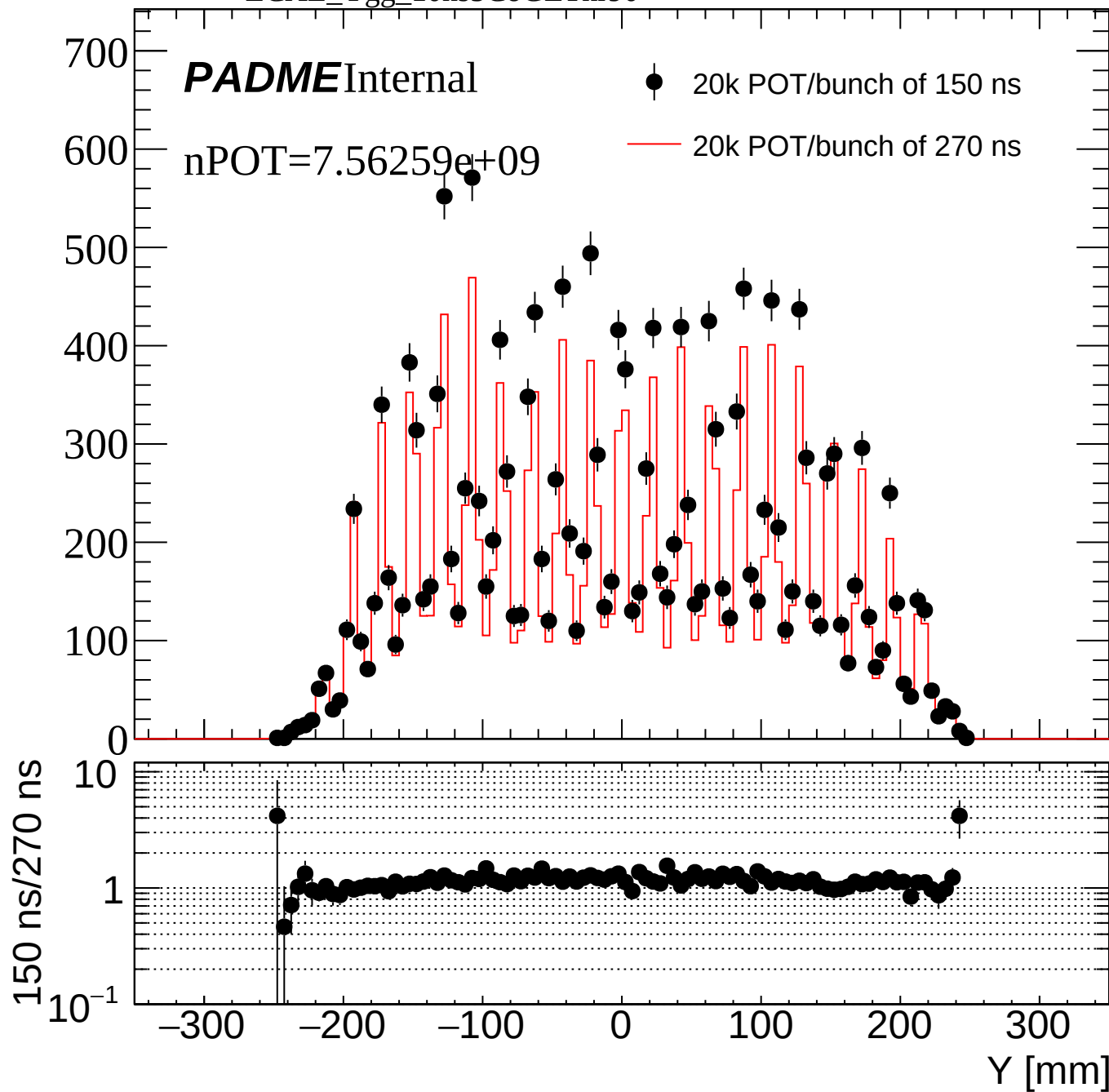
— 20k POT/bunch of 270 ns

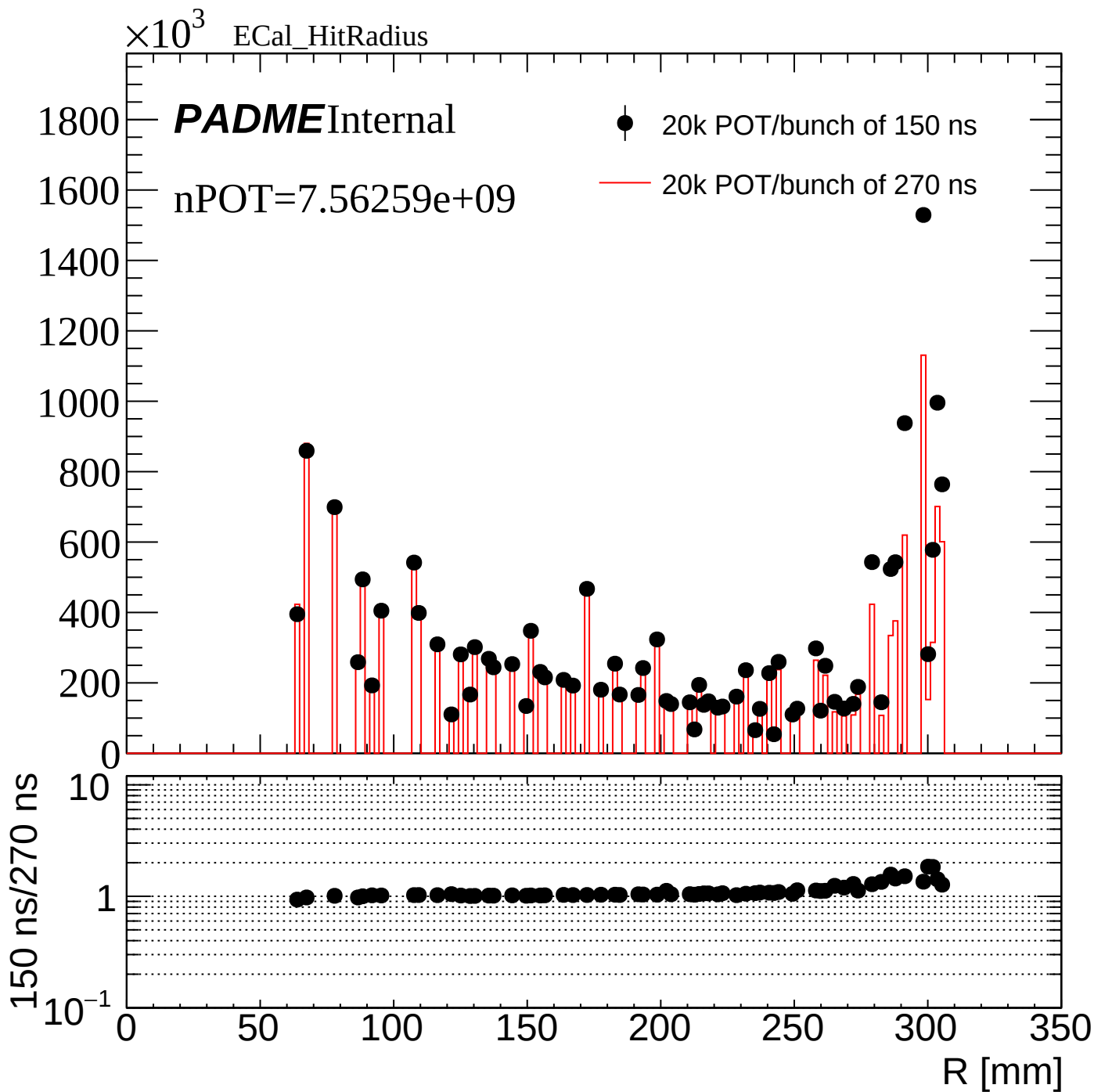












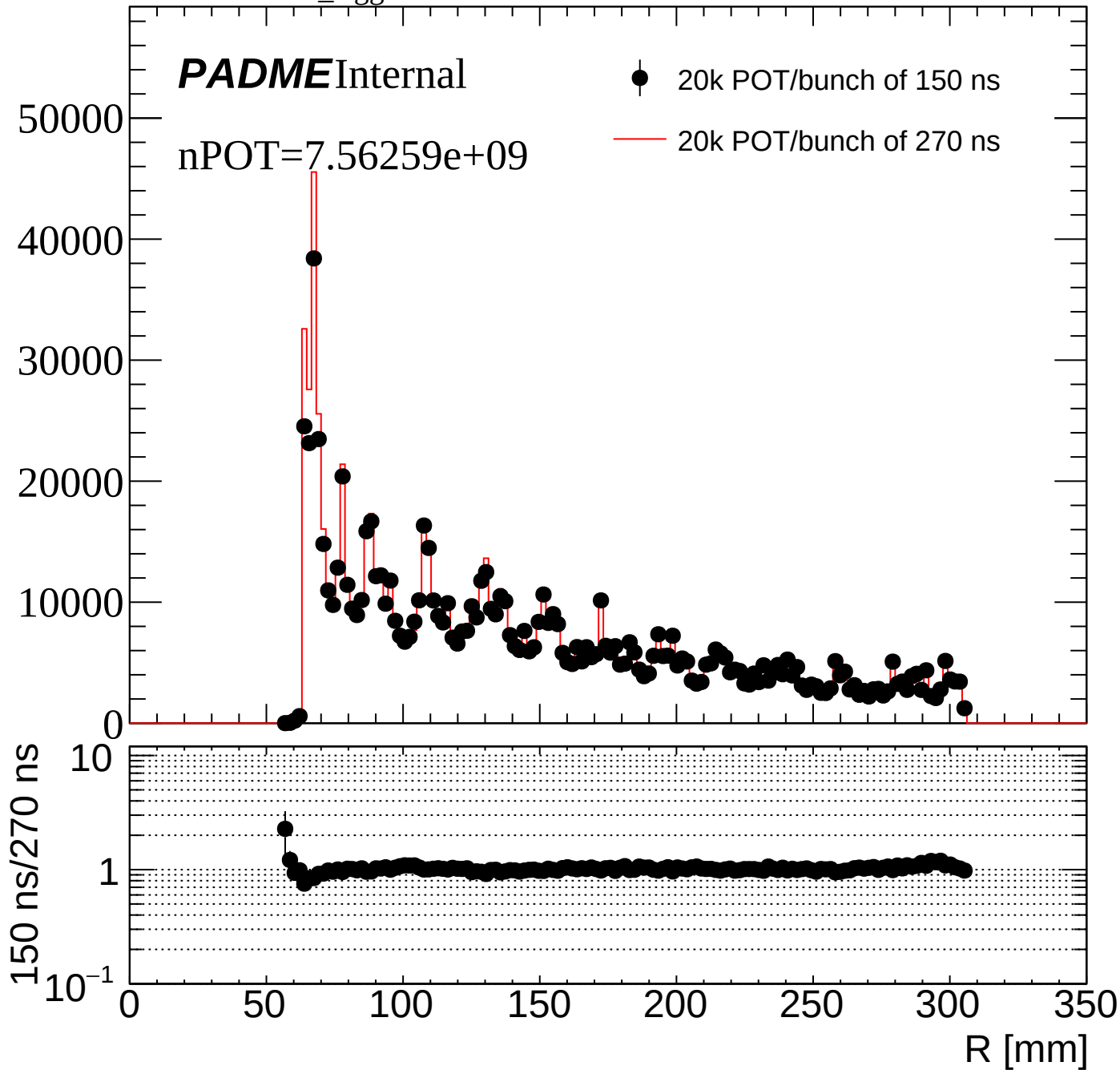
ECAL_RggAllClusters

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



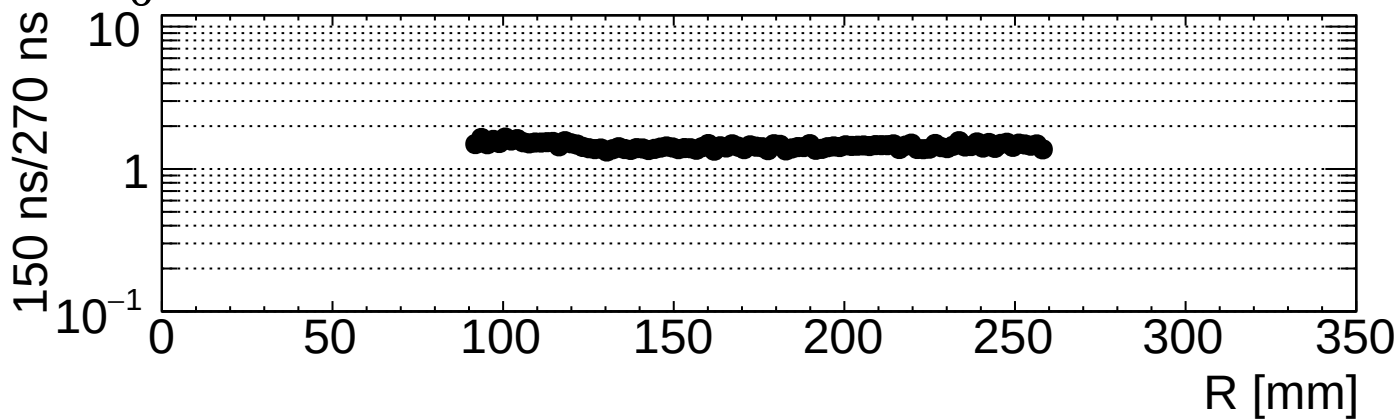
ECAL_Rgg_10ns

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Rgg_10ns20Degree

1000

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

800

600

400

200

0

150 ns/270 ns

10

1

10⁻¹

0

50

100

150

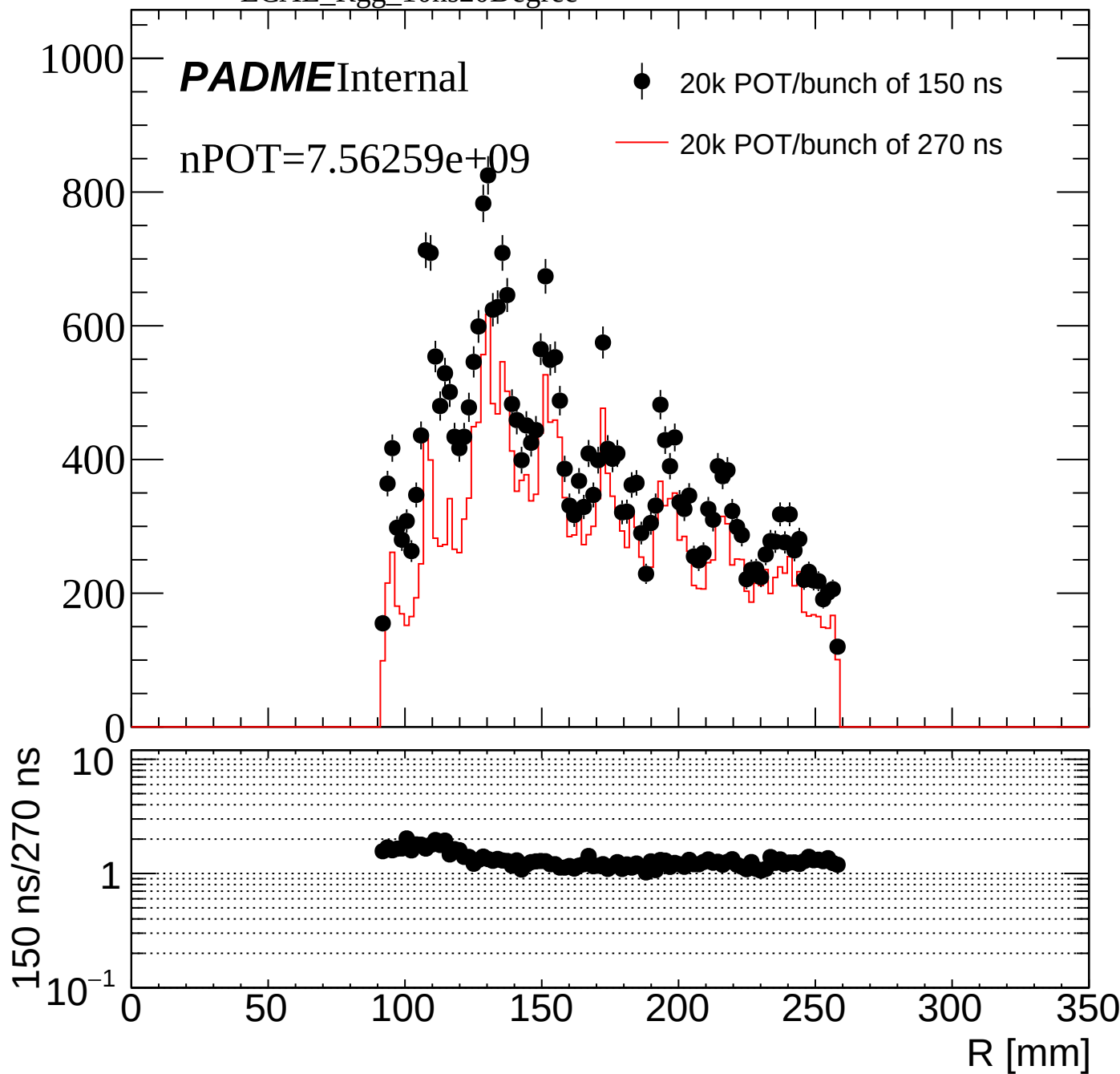
200

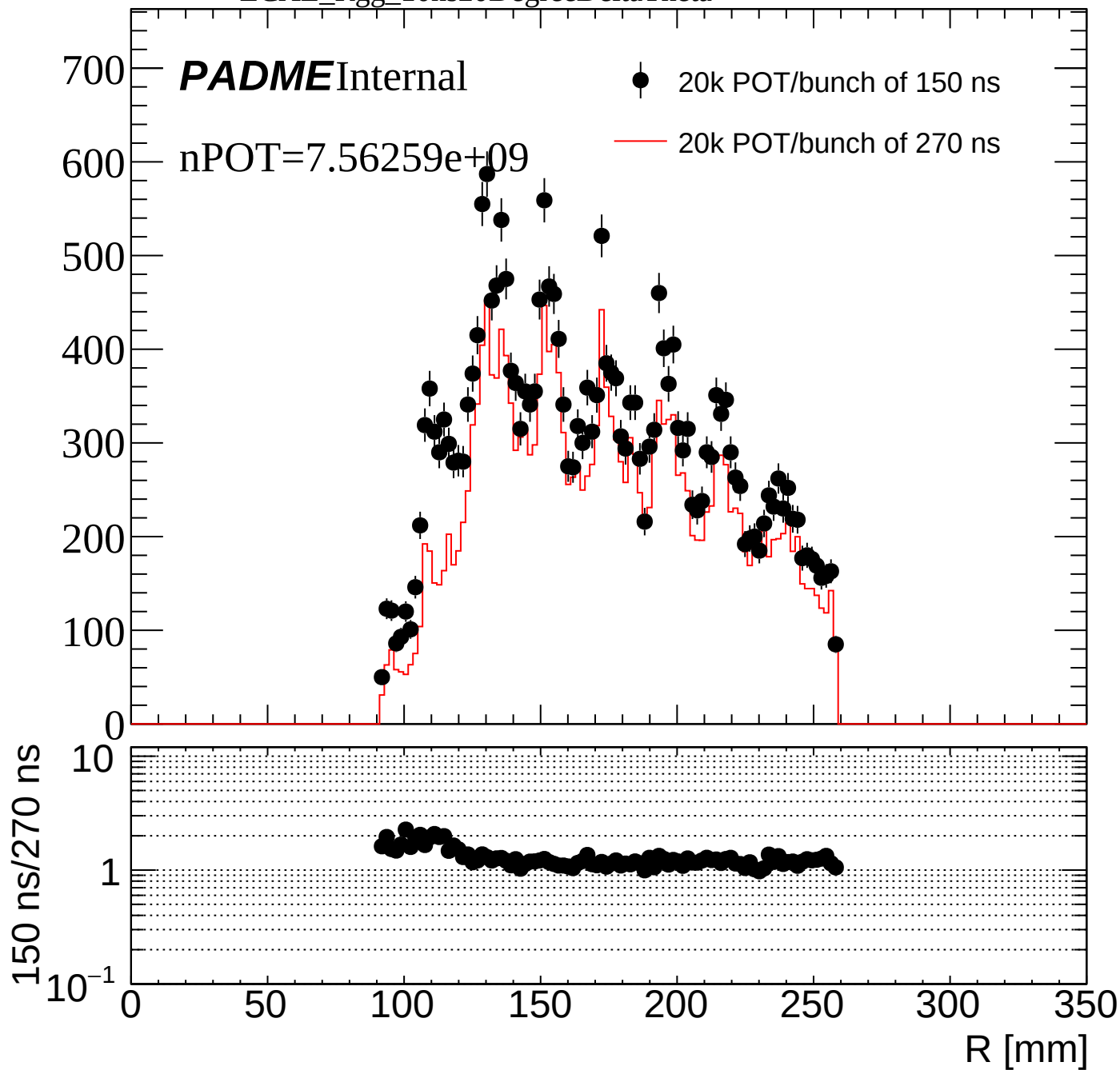
250

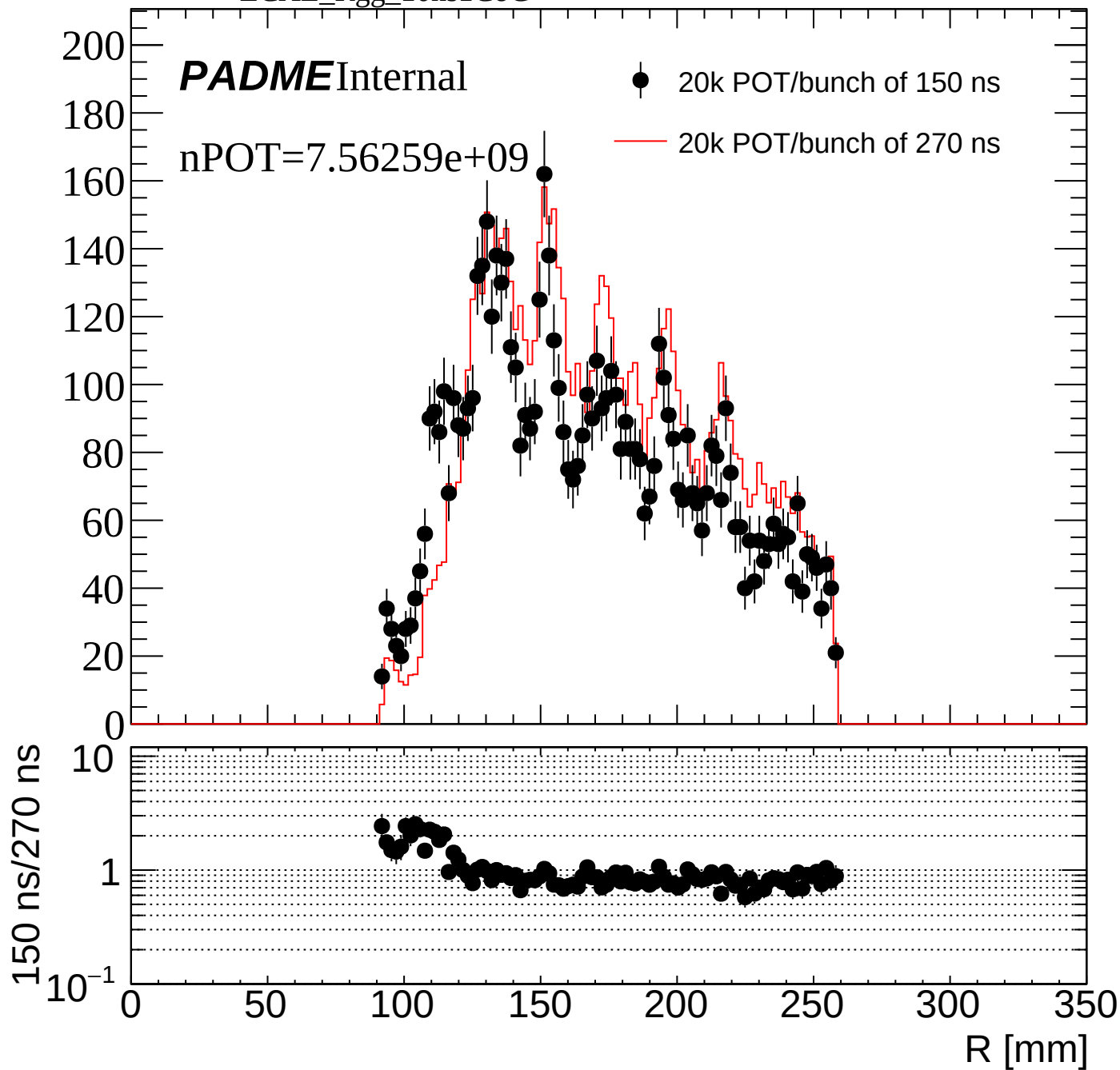
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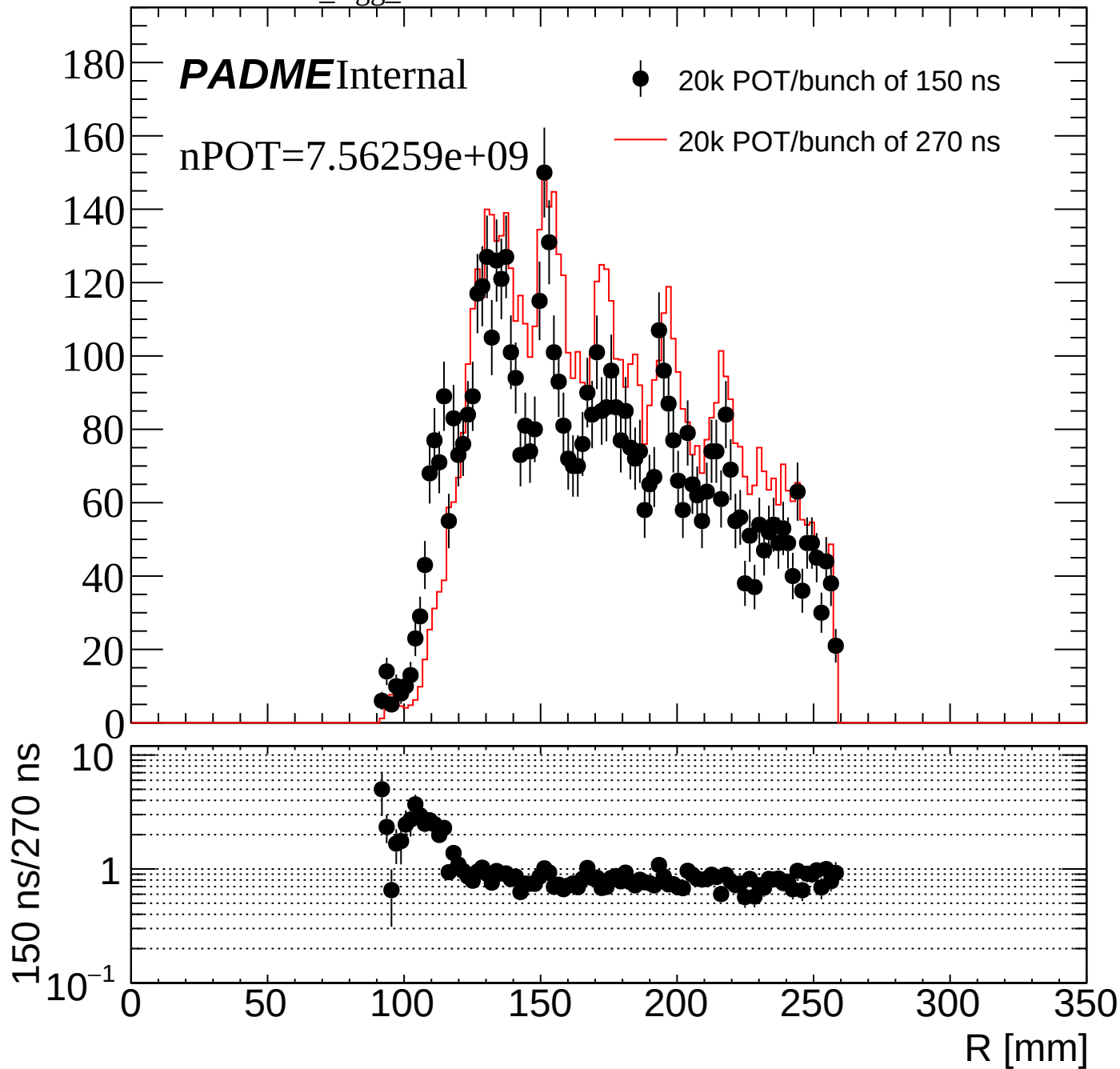
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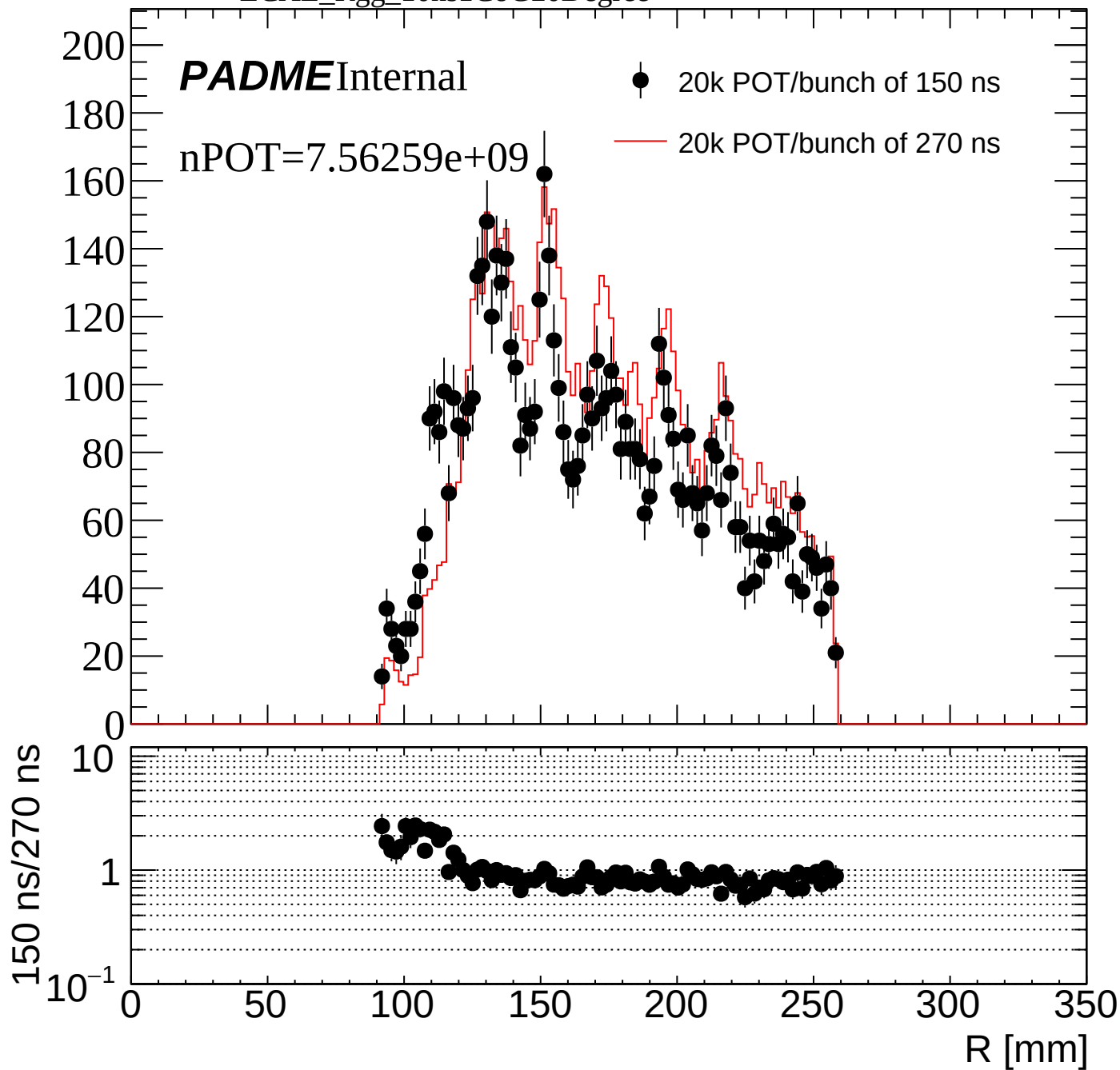
R [mm]

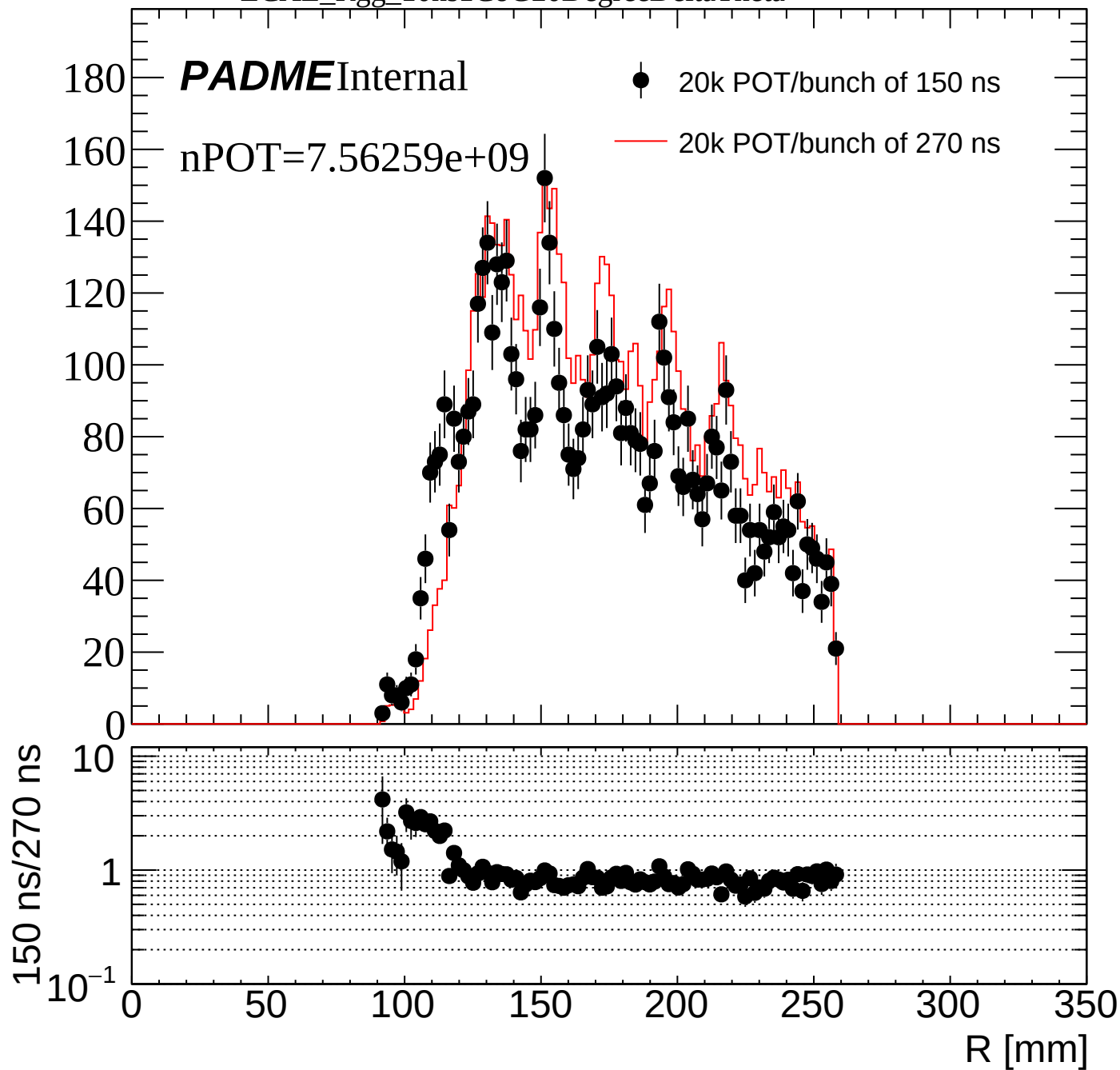












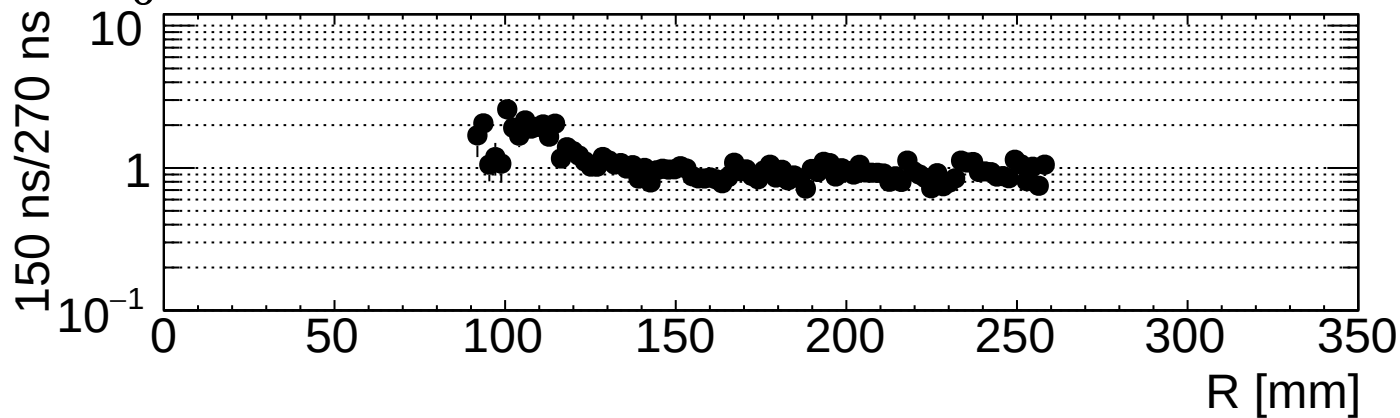
ECAL_Rgg_10ns5DegreeDeltaTheta

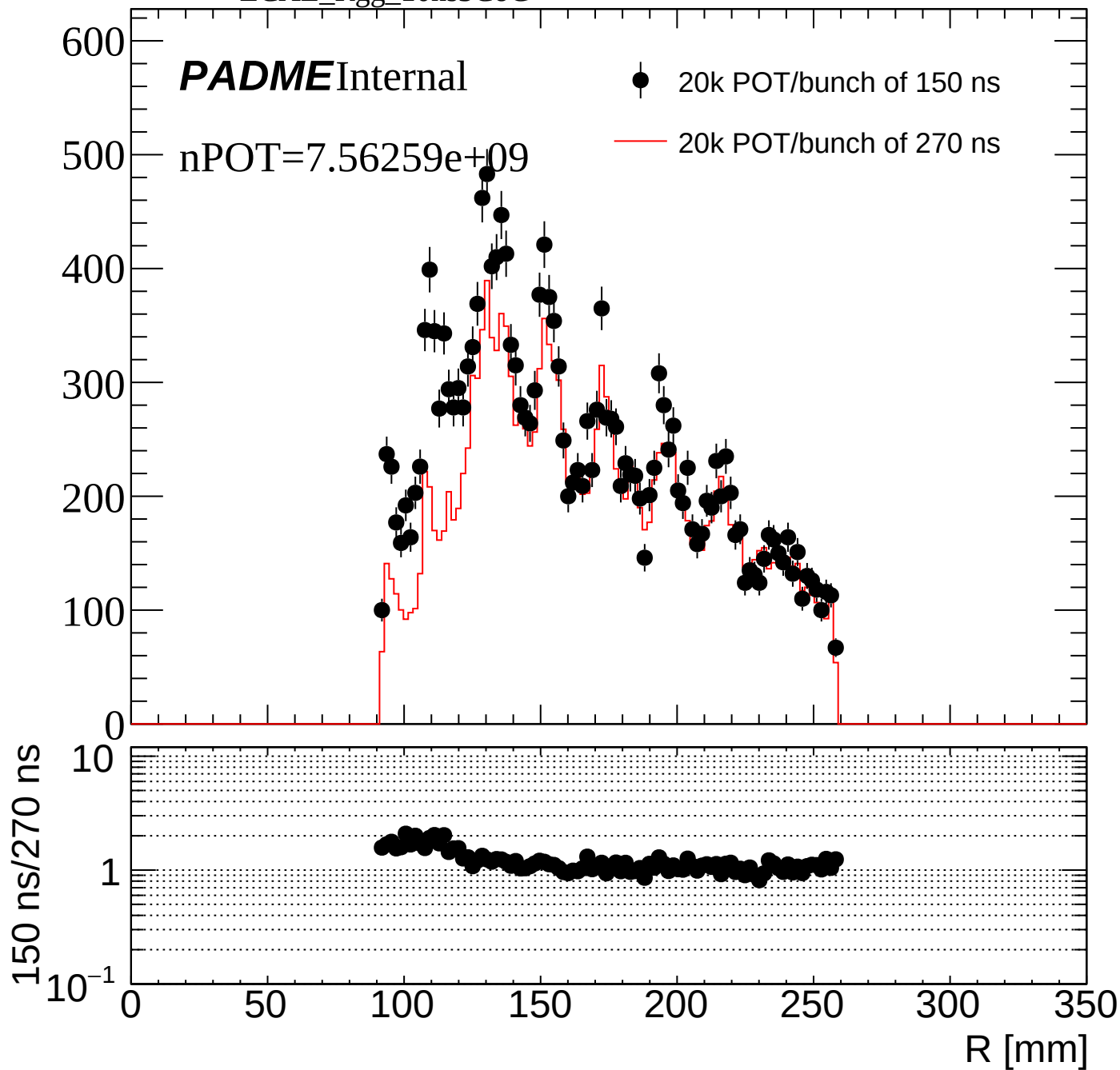
PADMEInternal

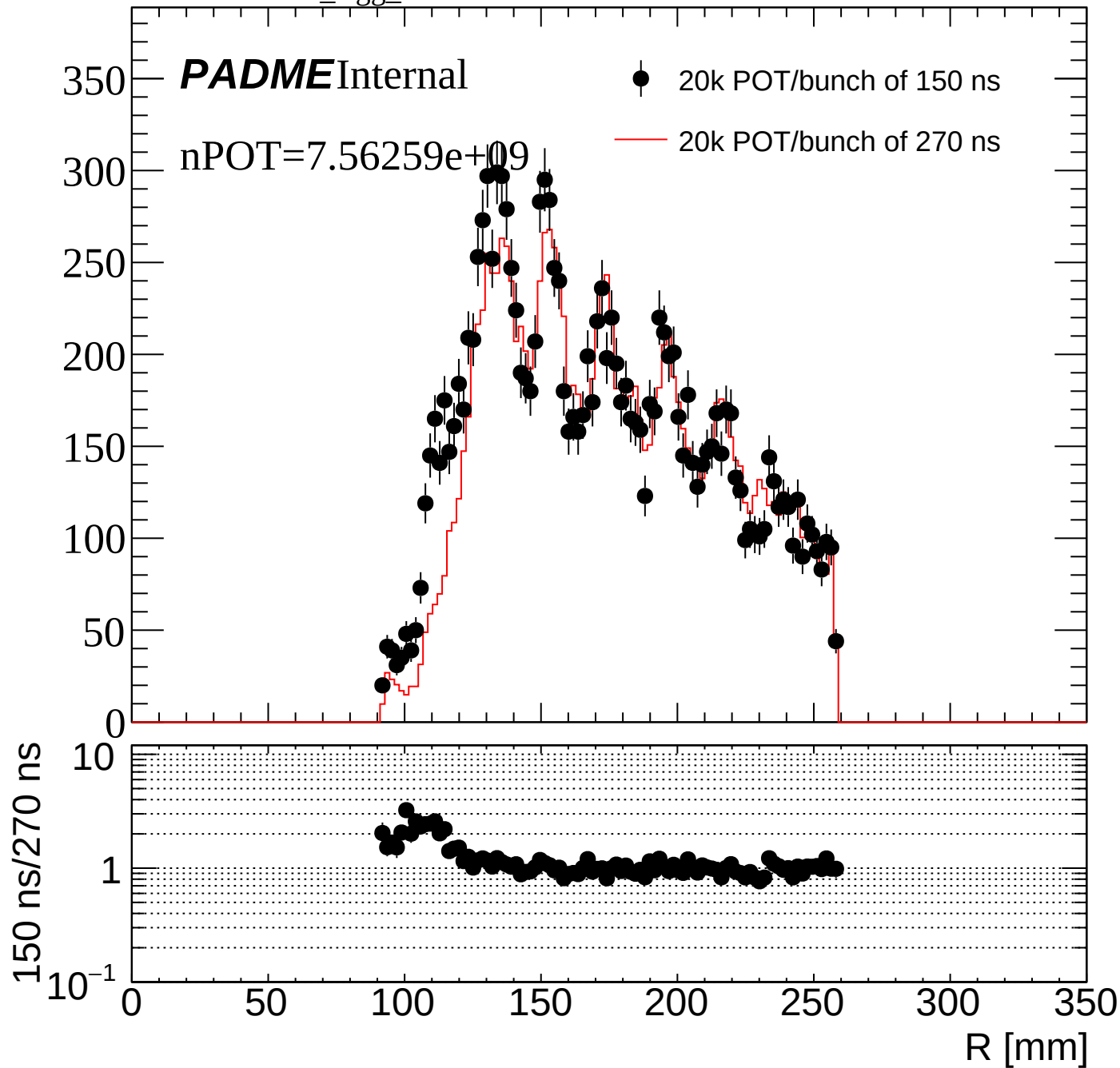
nPOT=7.56259e+09

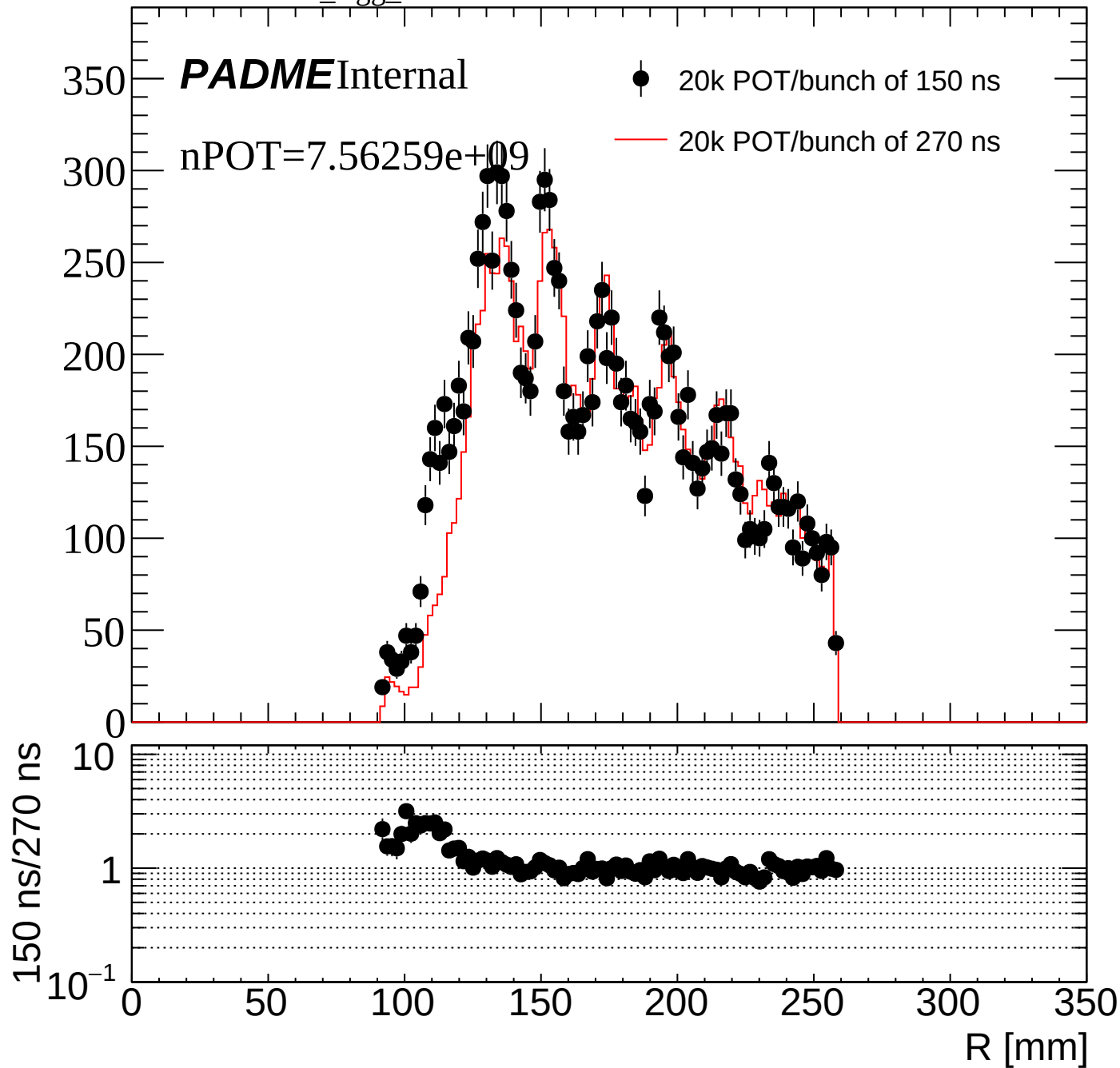
● 20k POT/bunch of 150 ns

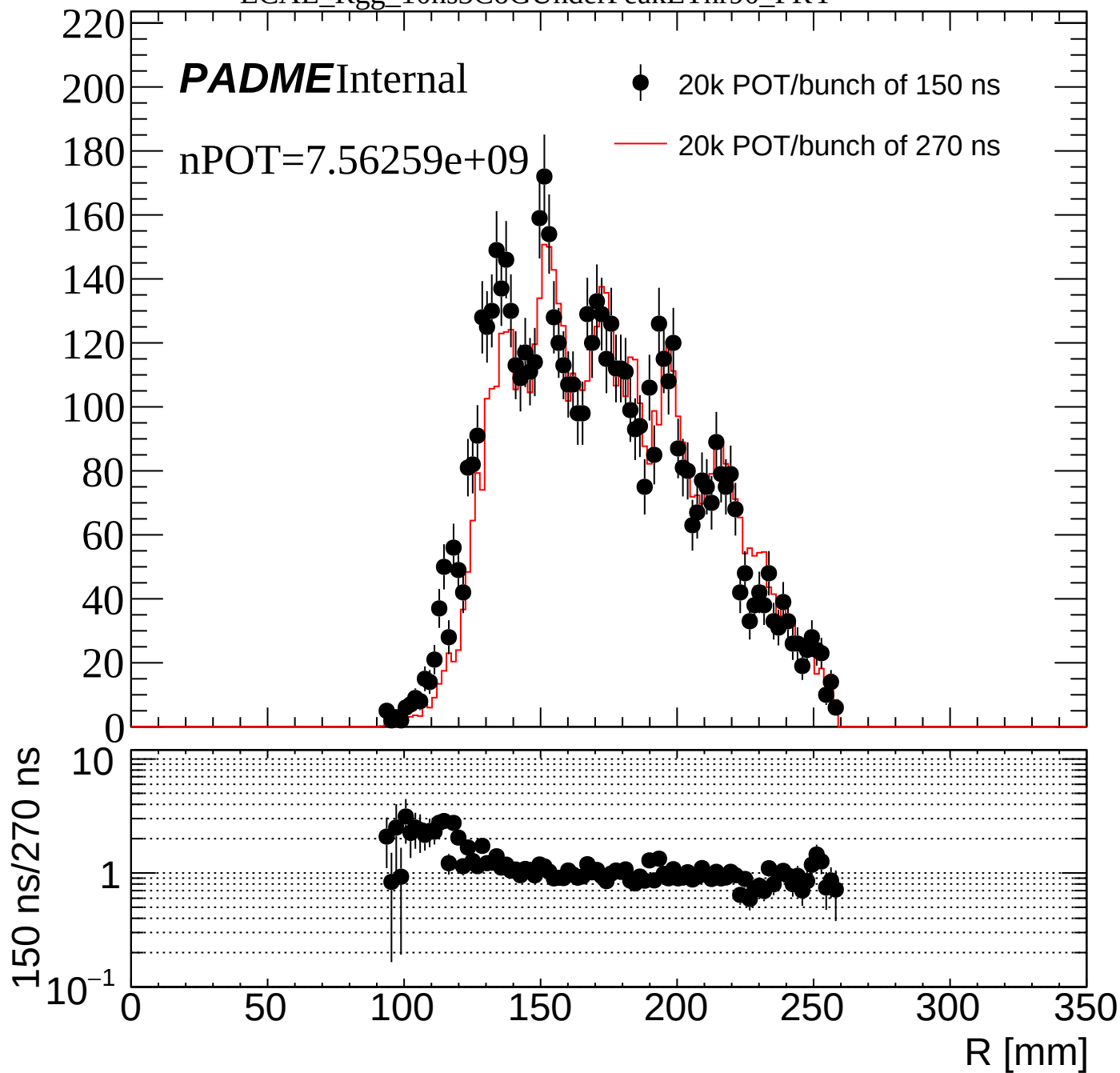
— 20k POT/bunch of 270 ns

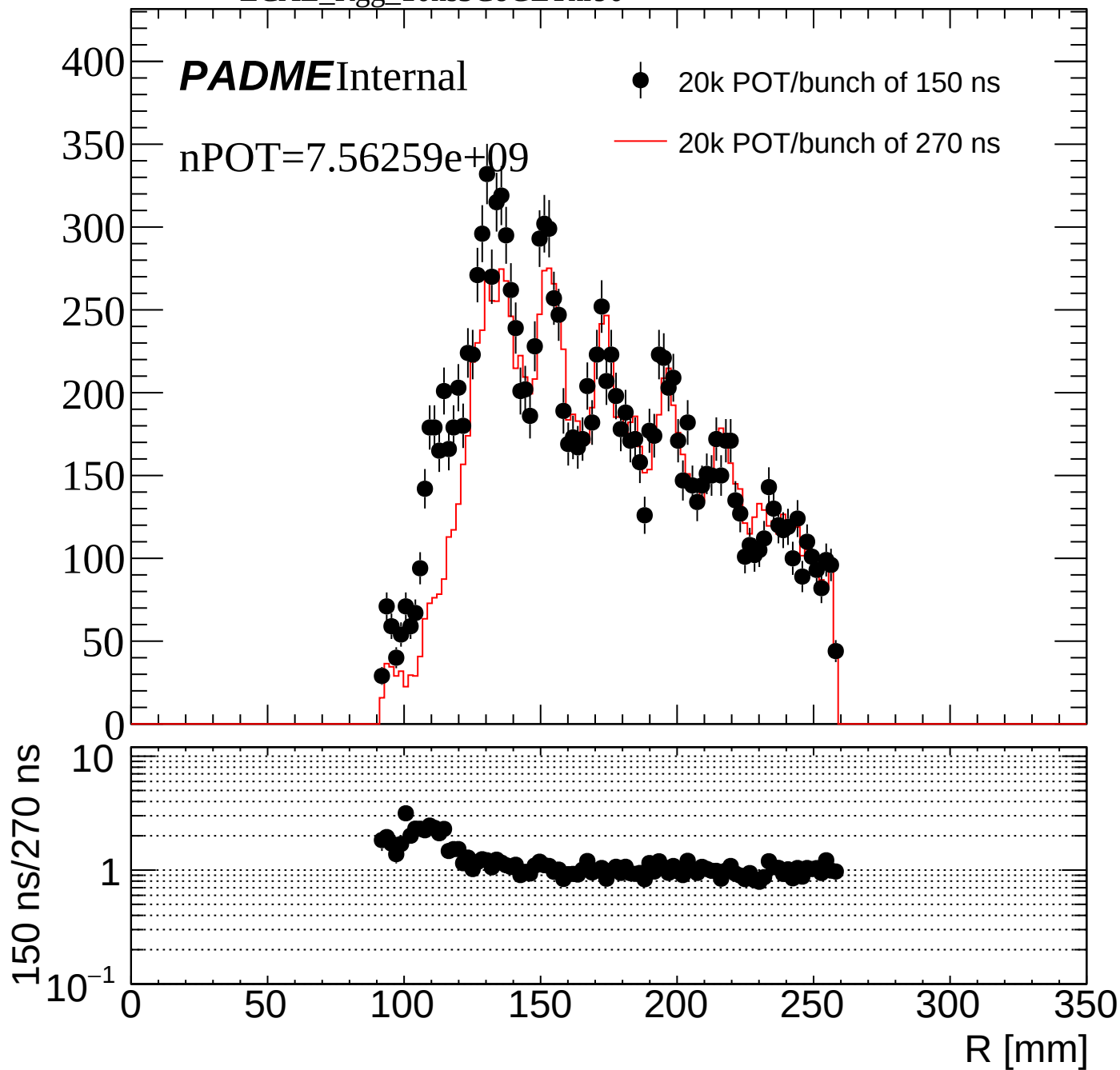


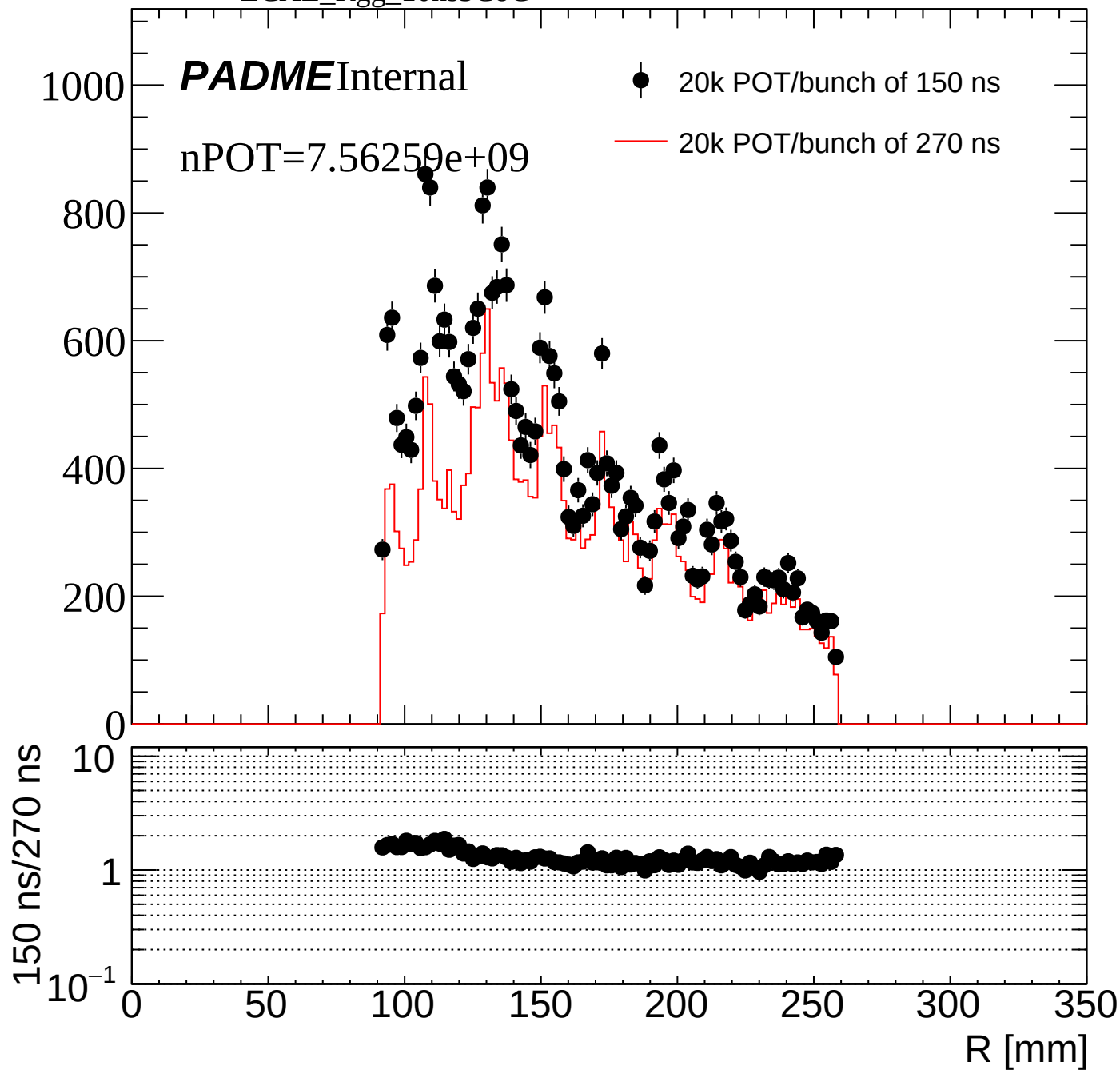


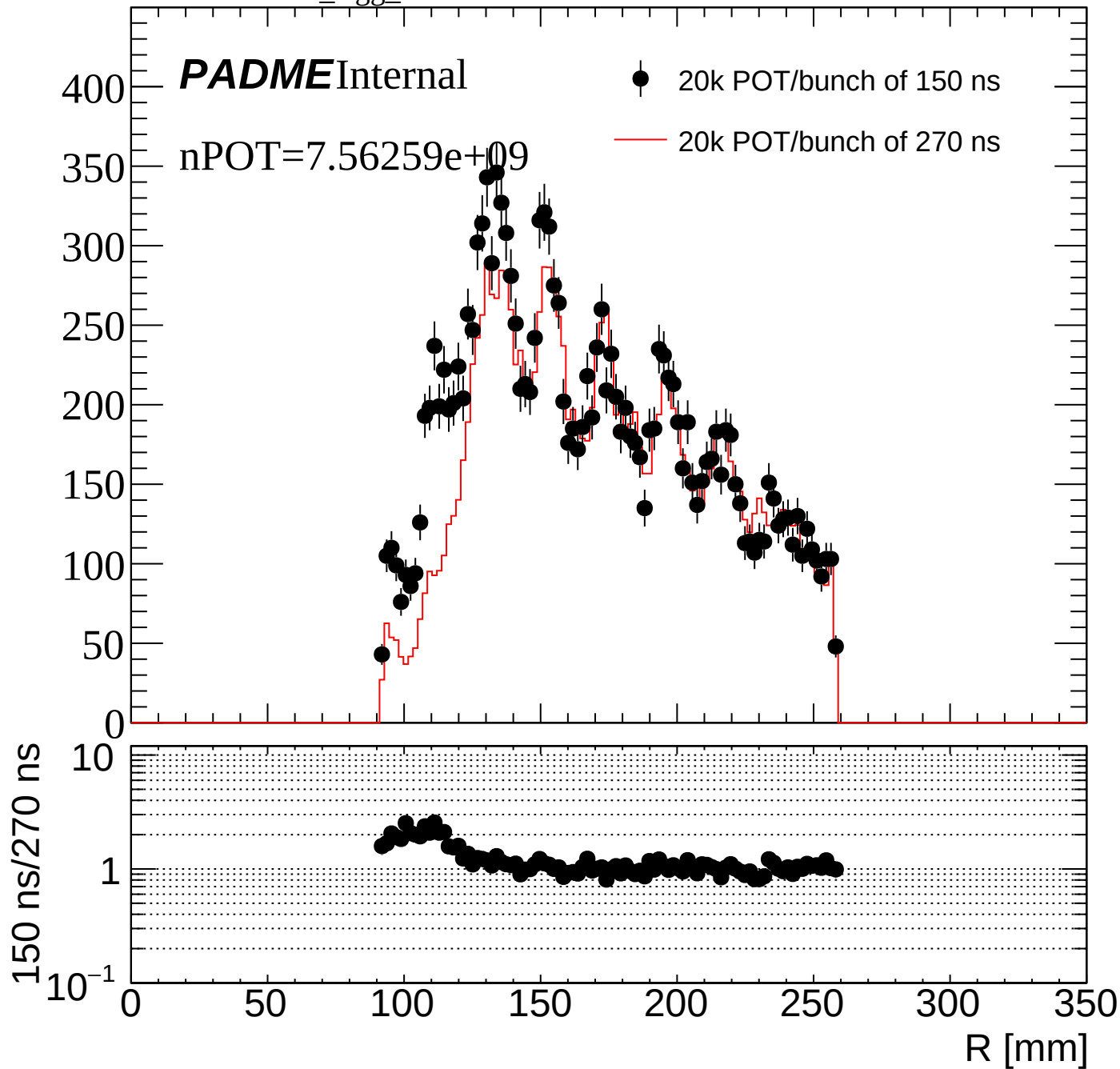


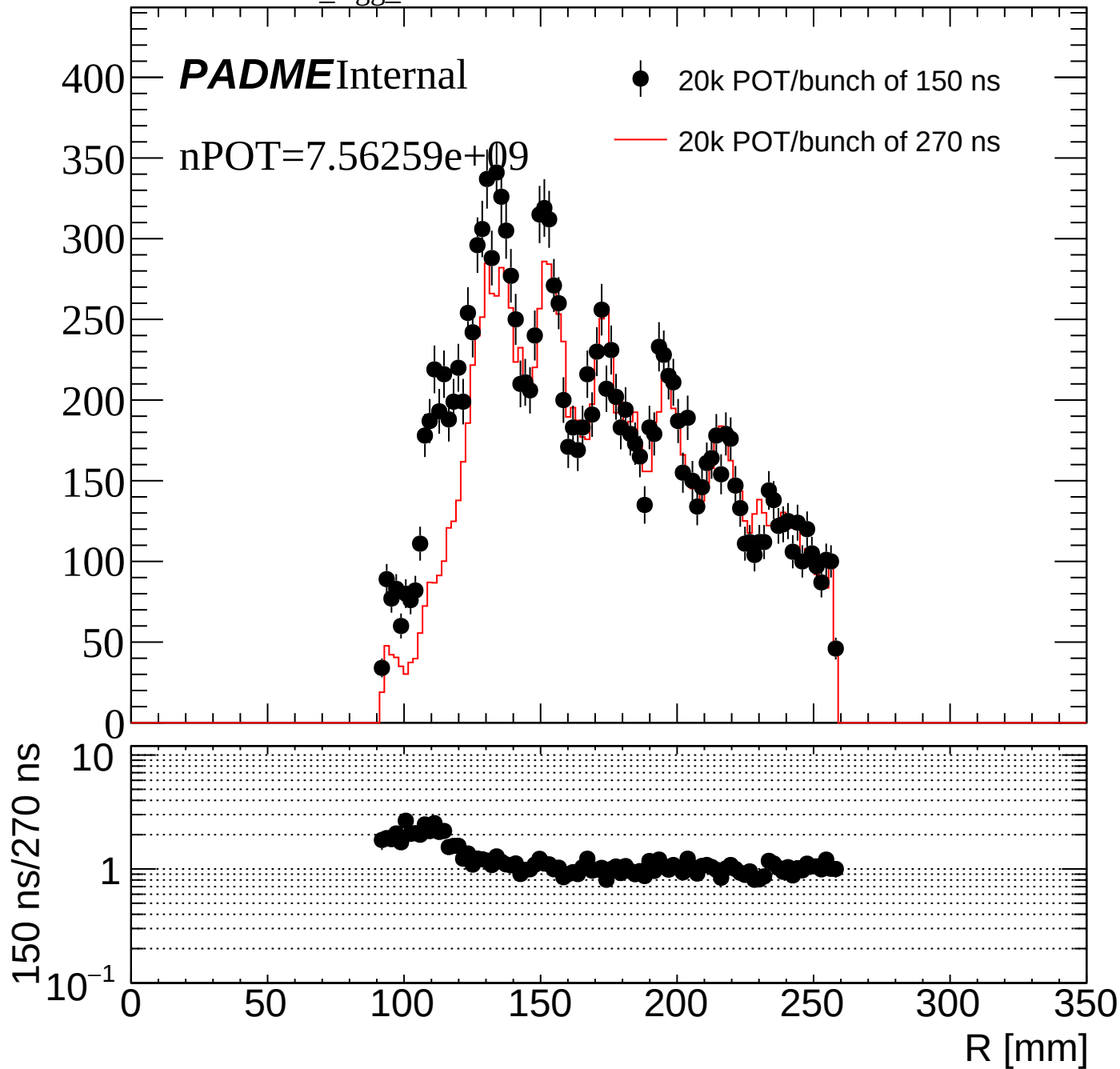


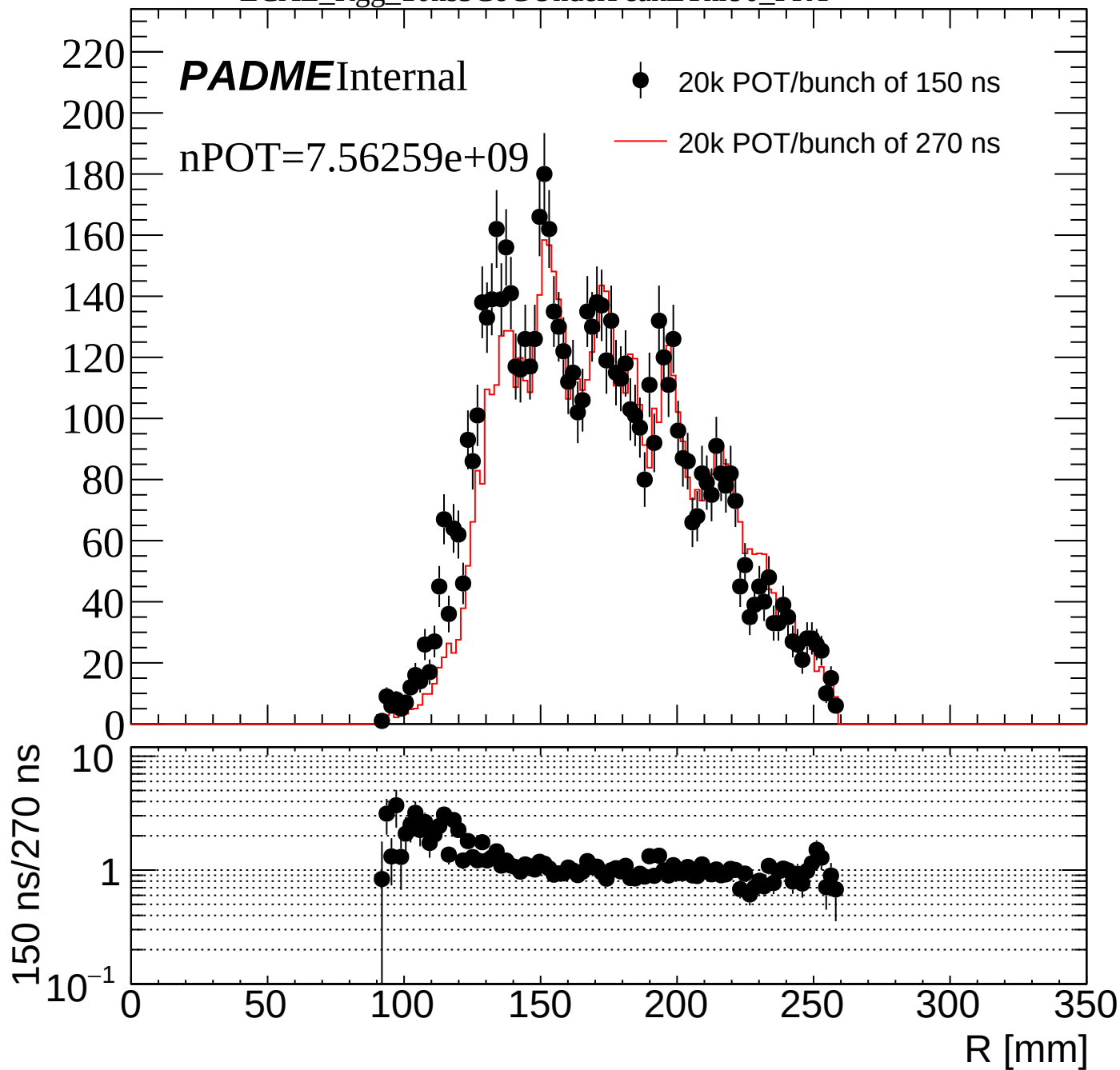












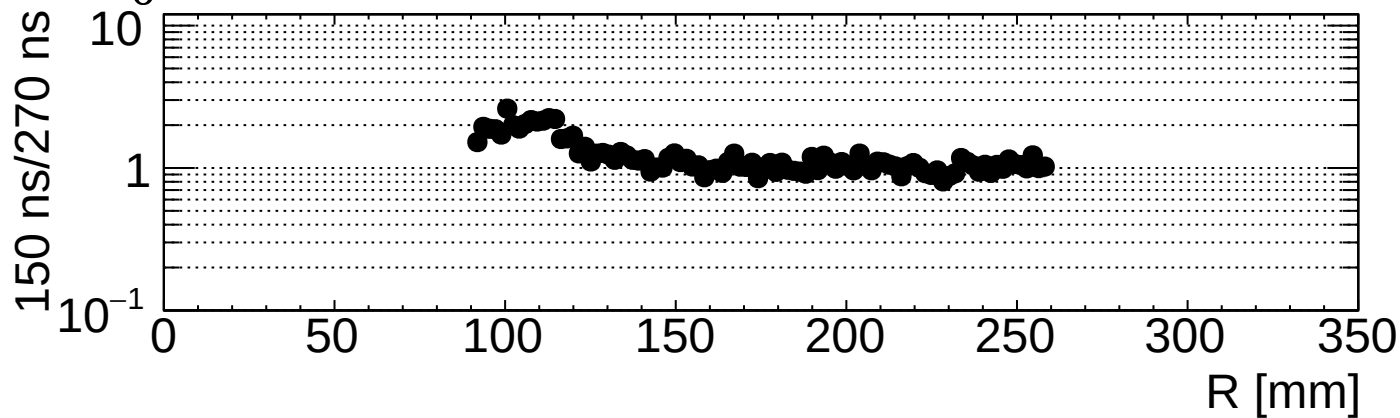
ECAL_Rgg_10ns5CoGEThr90

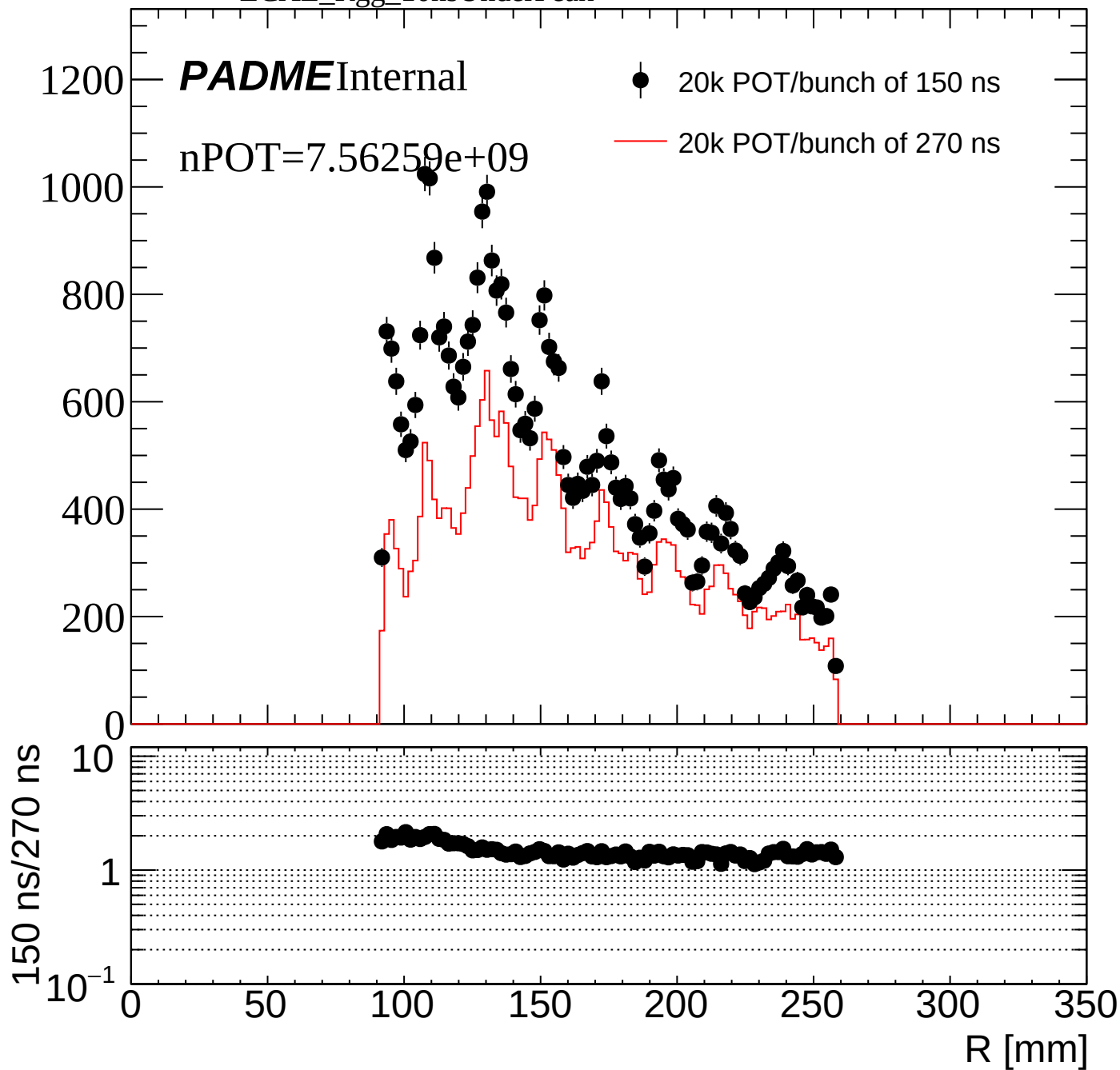
PADMEInternal

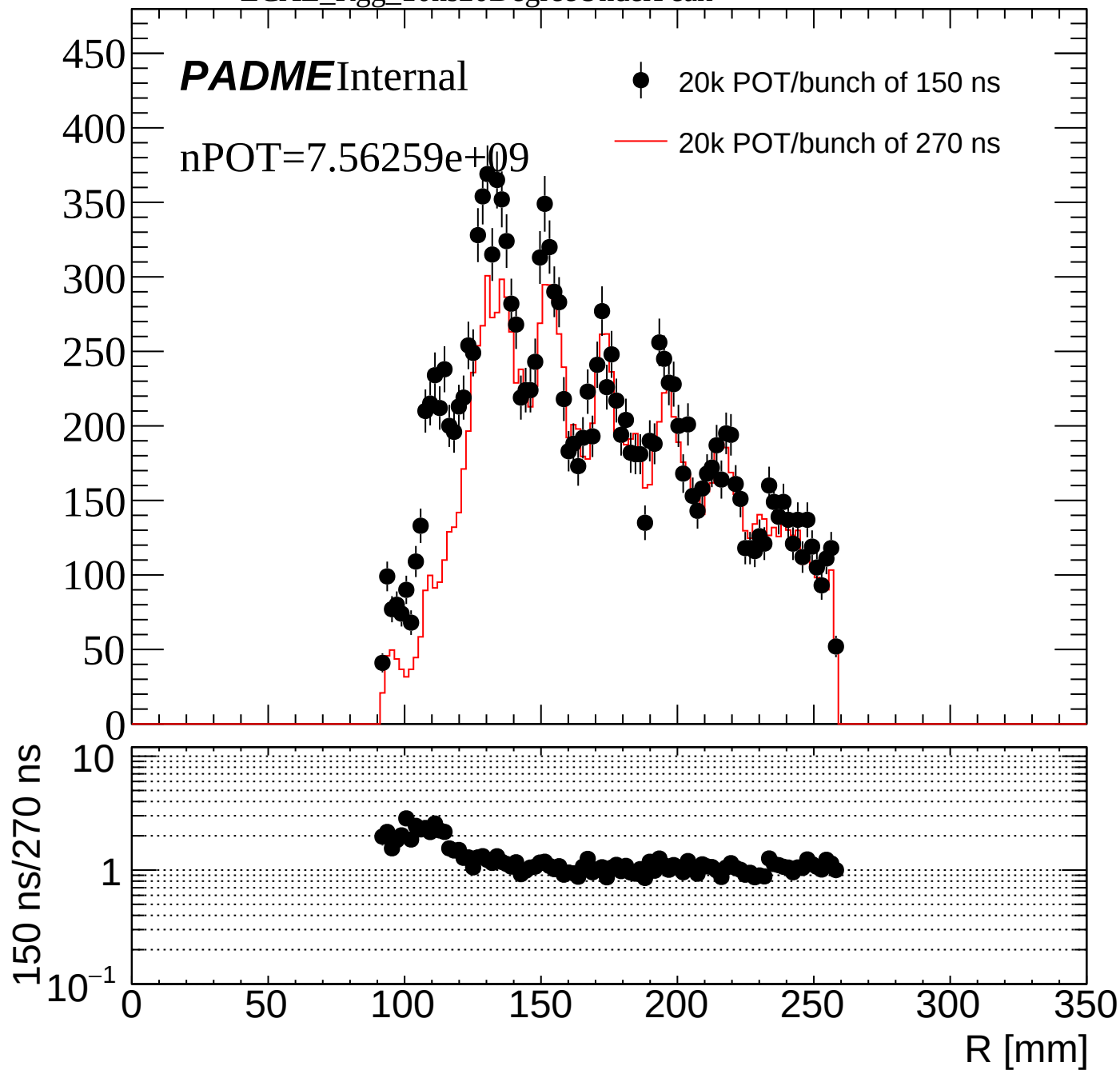
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns







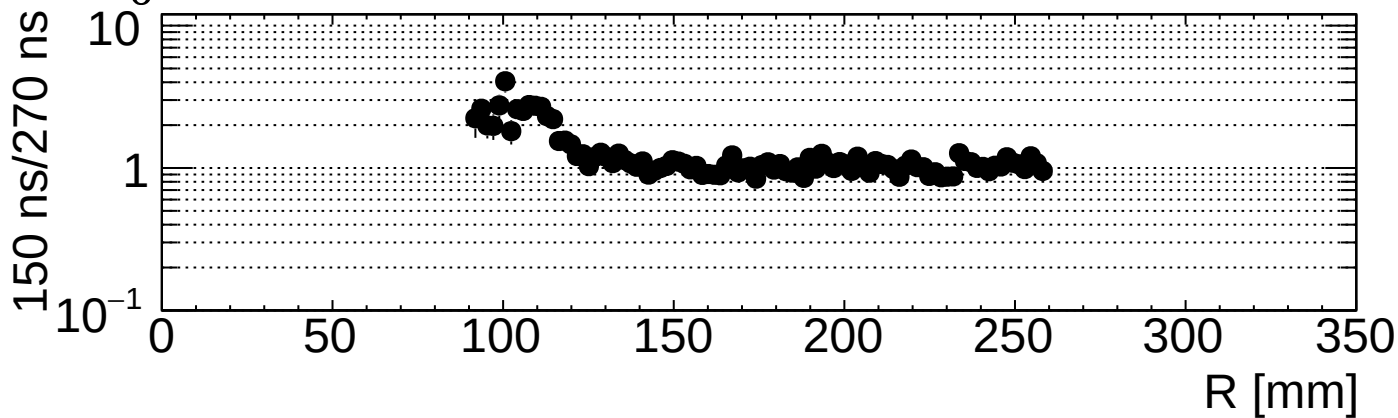
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



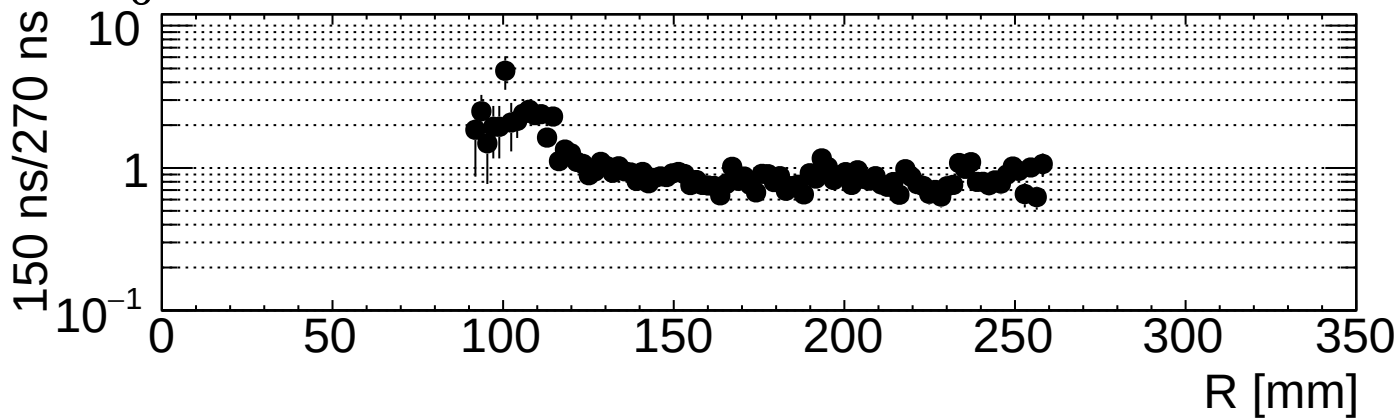
ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak

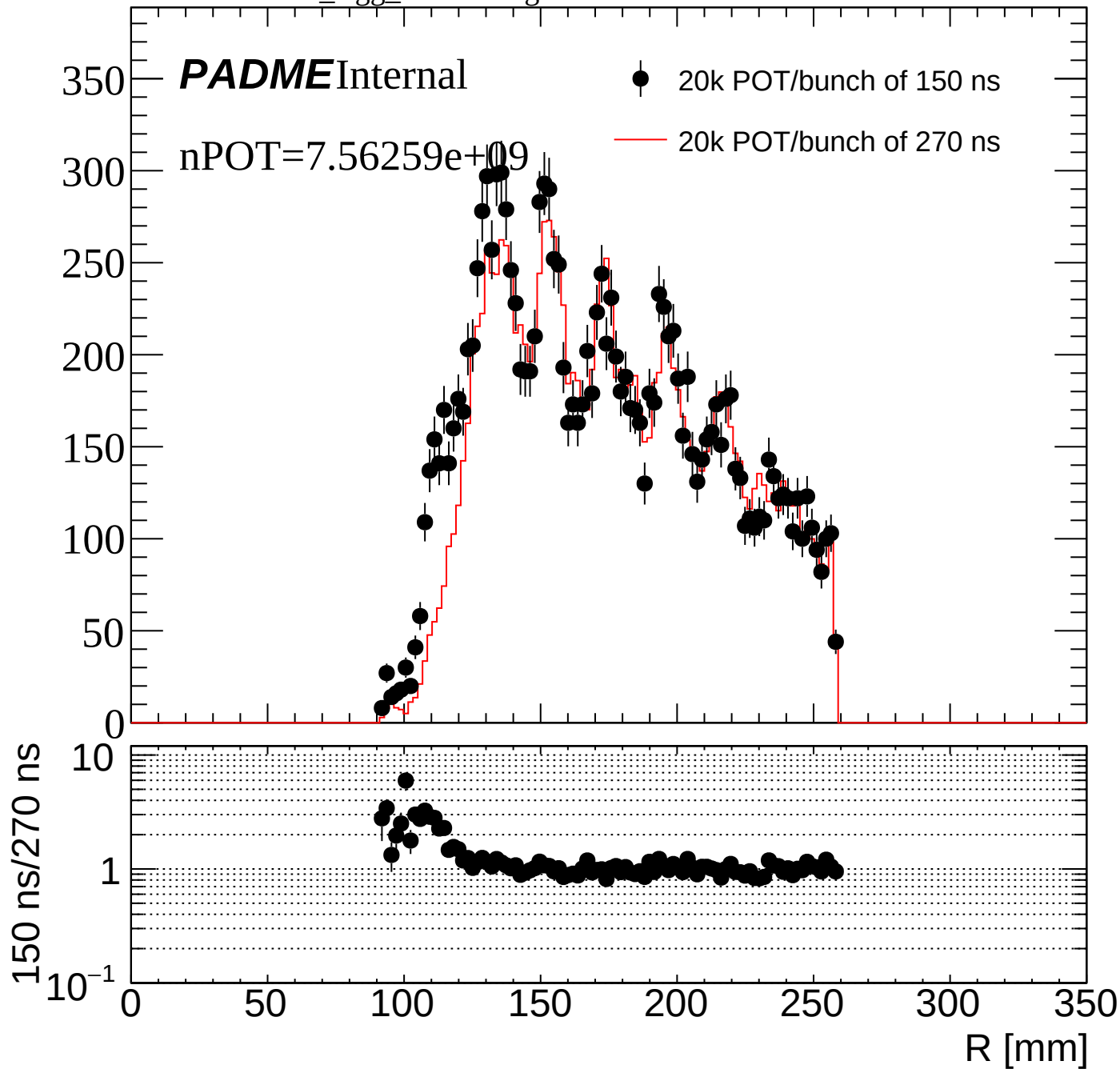
PADMEInternal

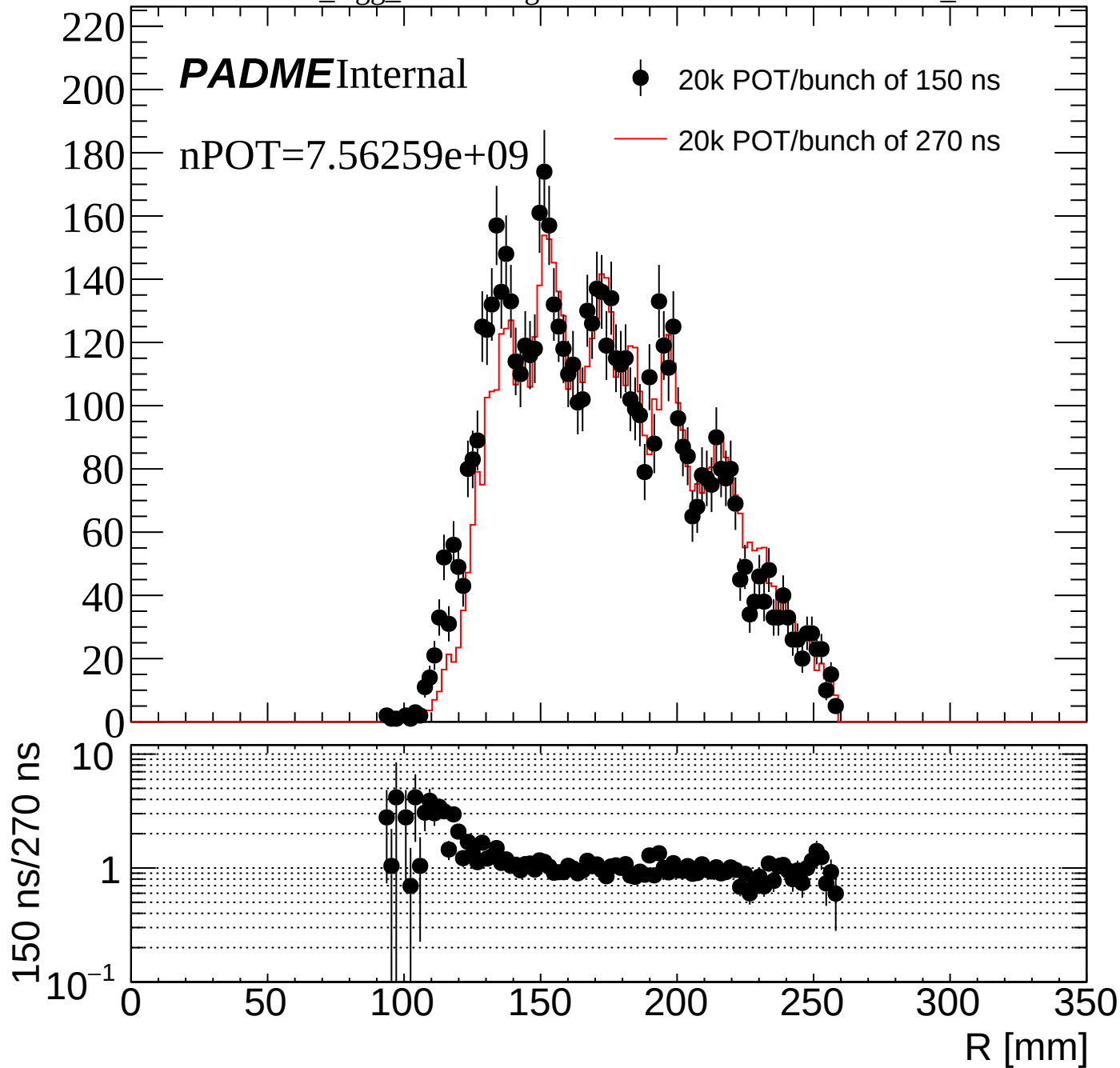
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns







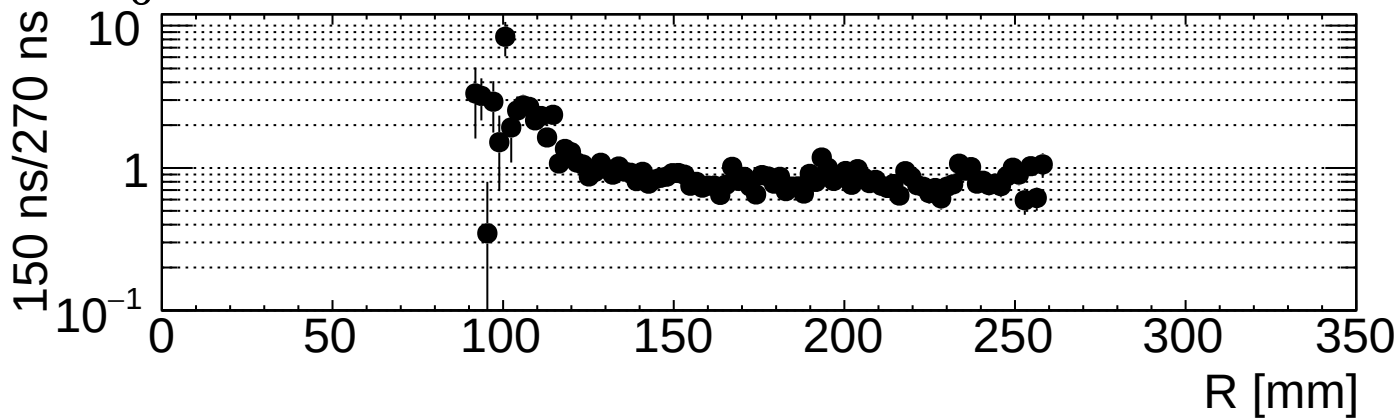
ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



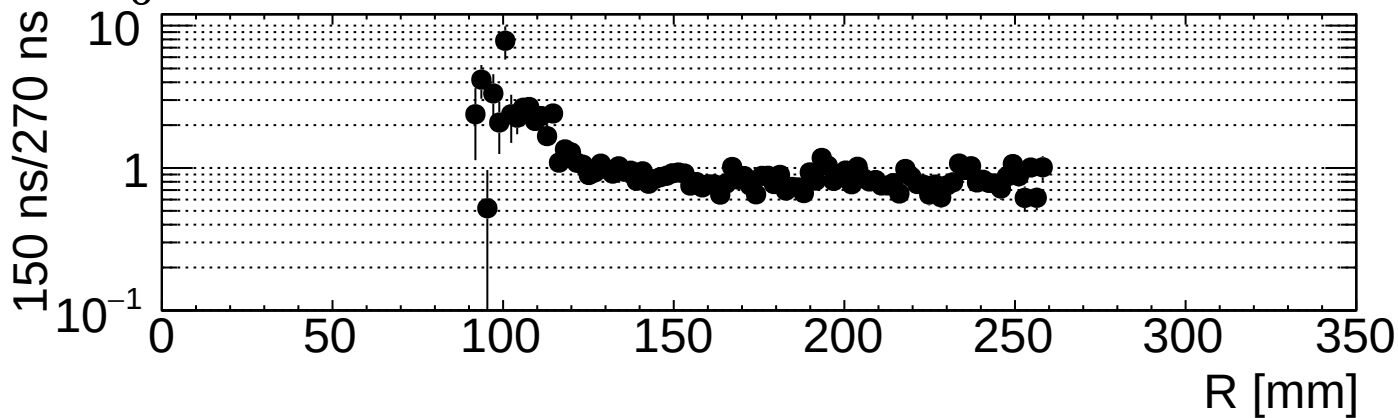
ECAL_Rgg_10ns5DegreeDeltaThetaEThr90

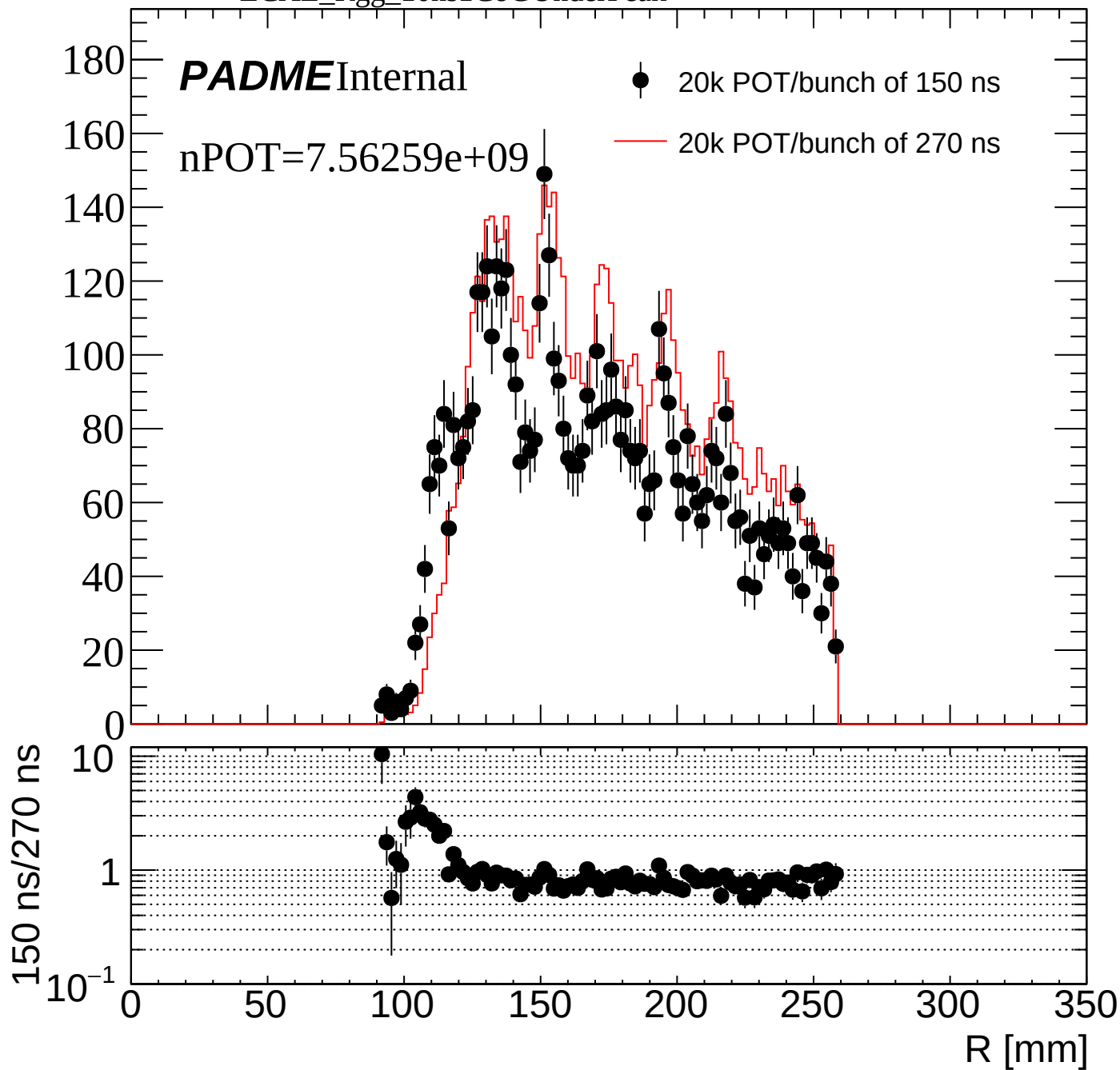
PADMEInternal

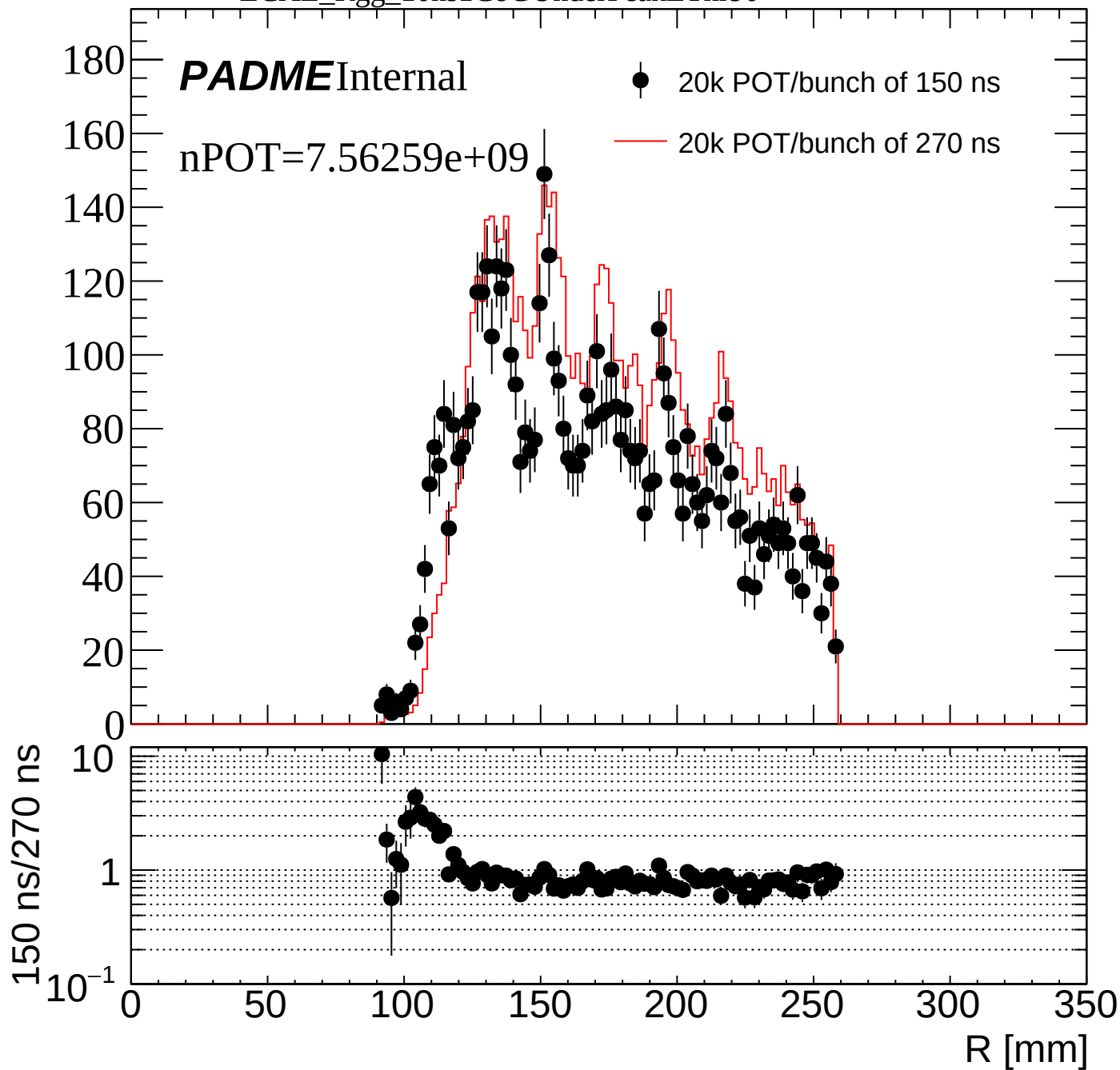
nPOT=7.56259e+09

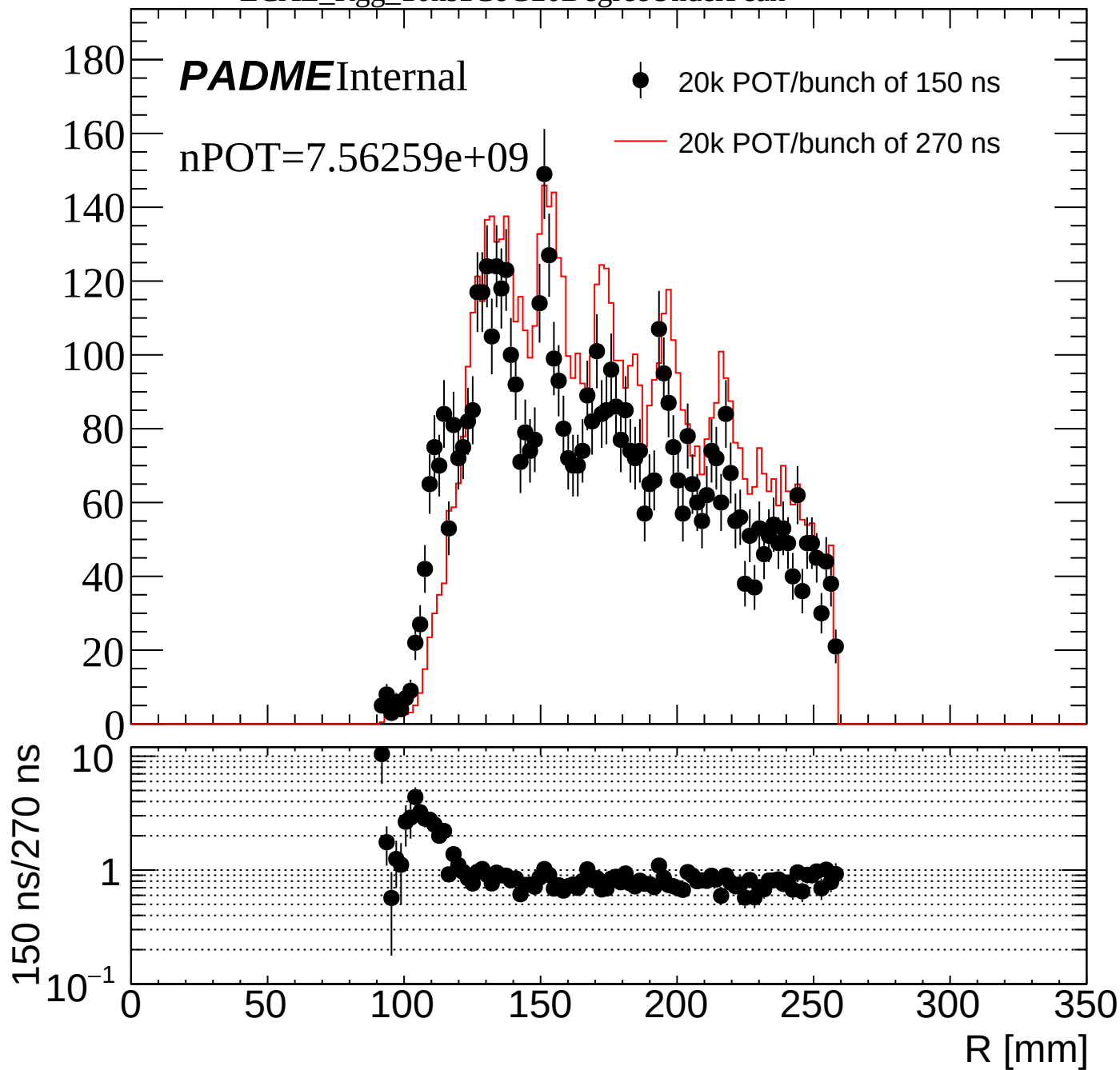
● 20k POT/bunch of 150 ns

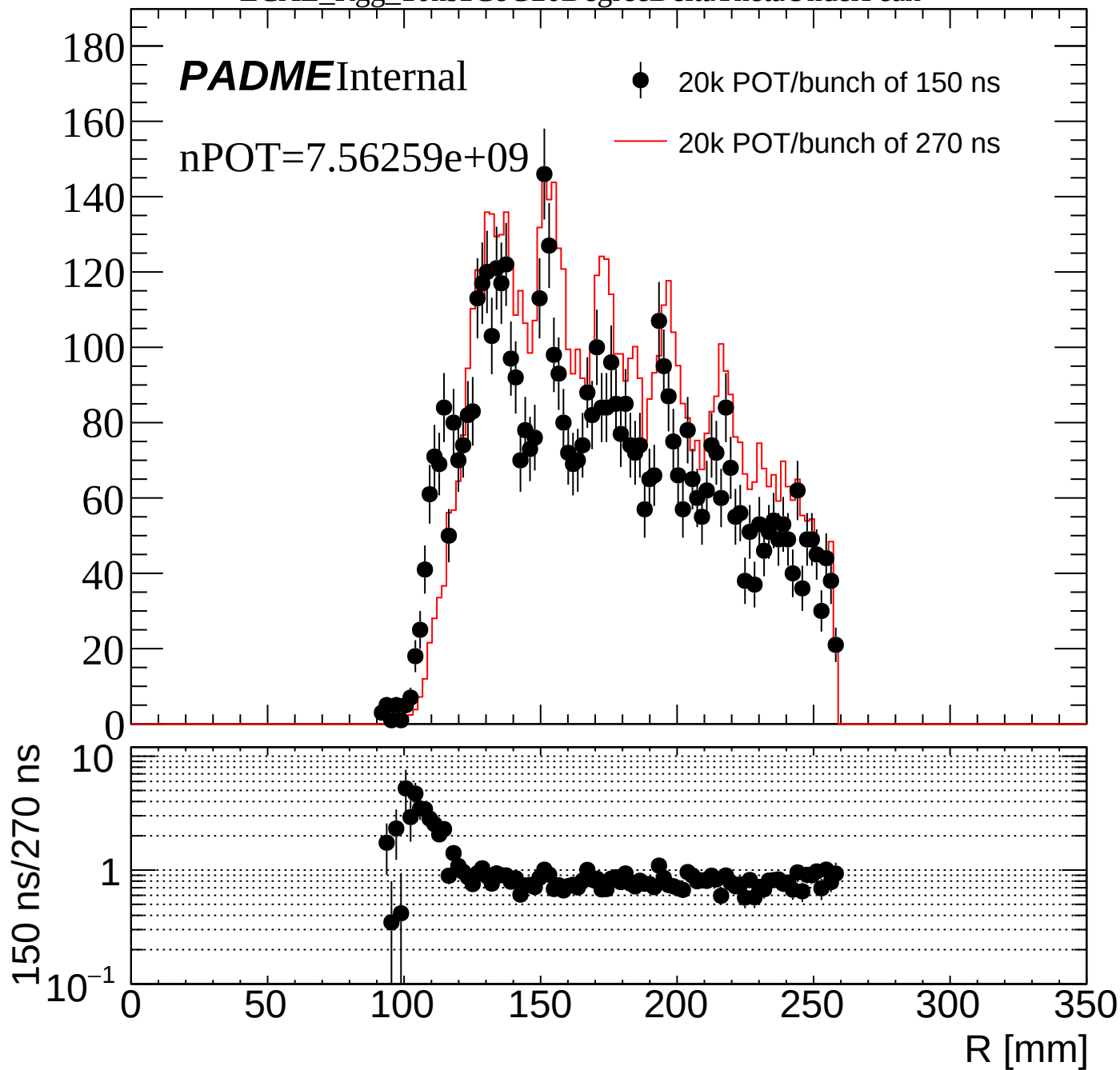
— 20k POT/bunch of 270 ns

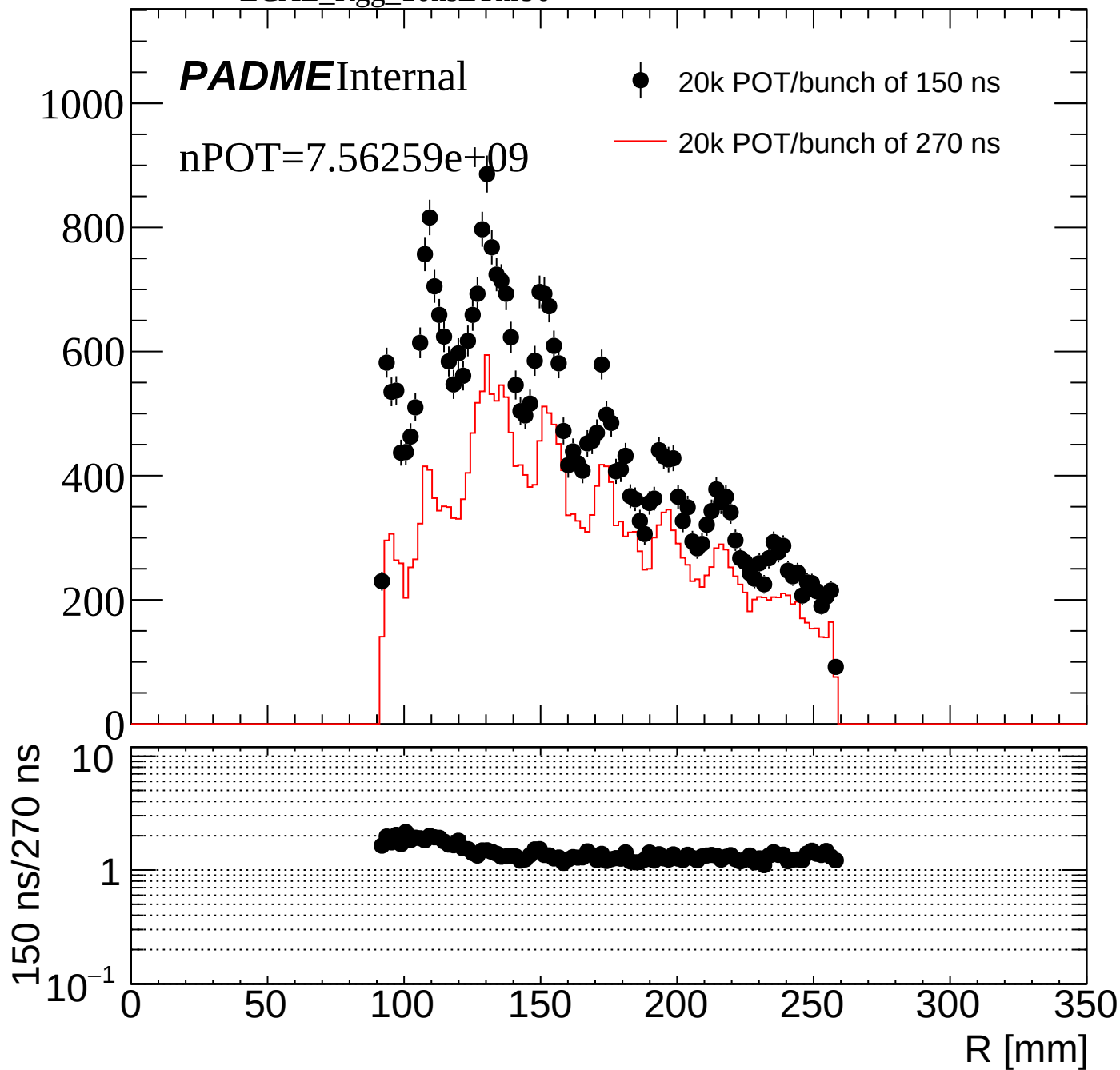












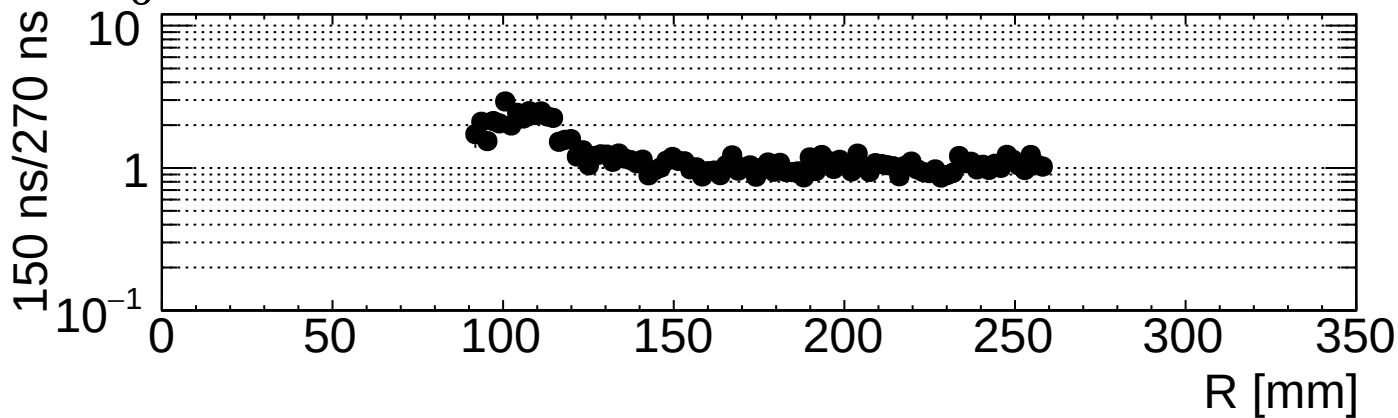
ECAL_Rgg_10ns20DegreeEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



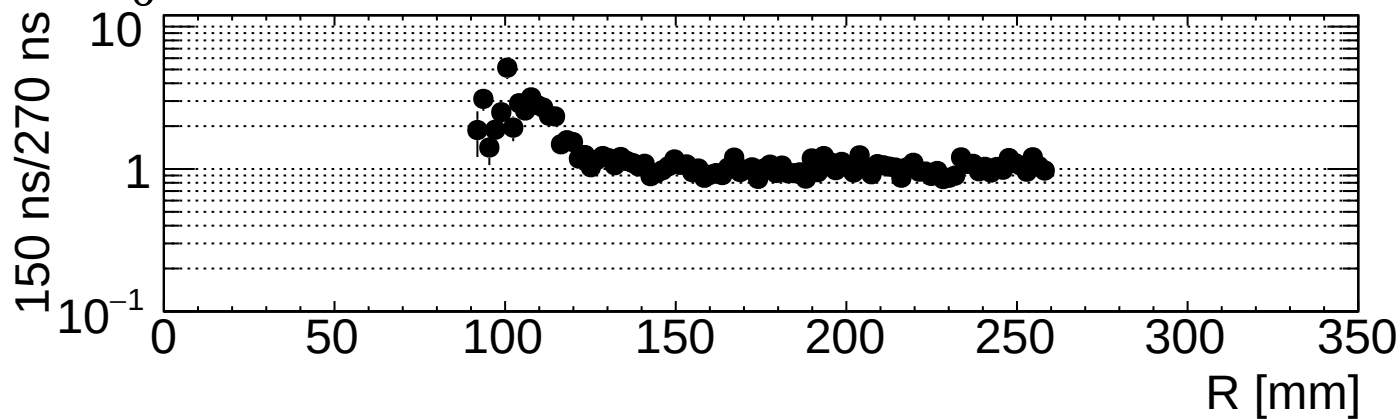
ECAL_Rgg_10ns20DegreeDeltaThetaEThr90

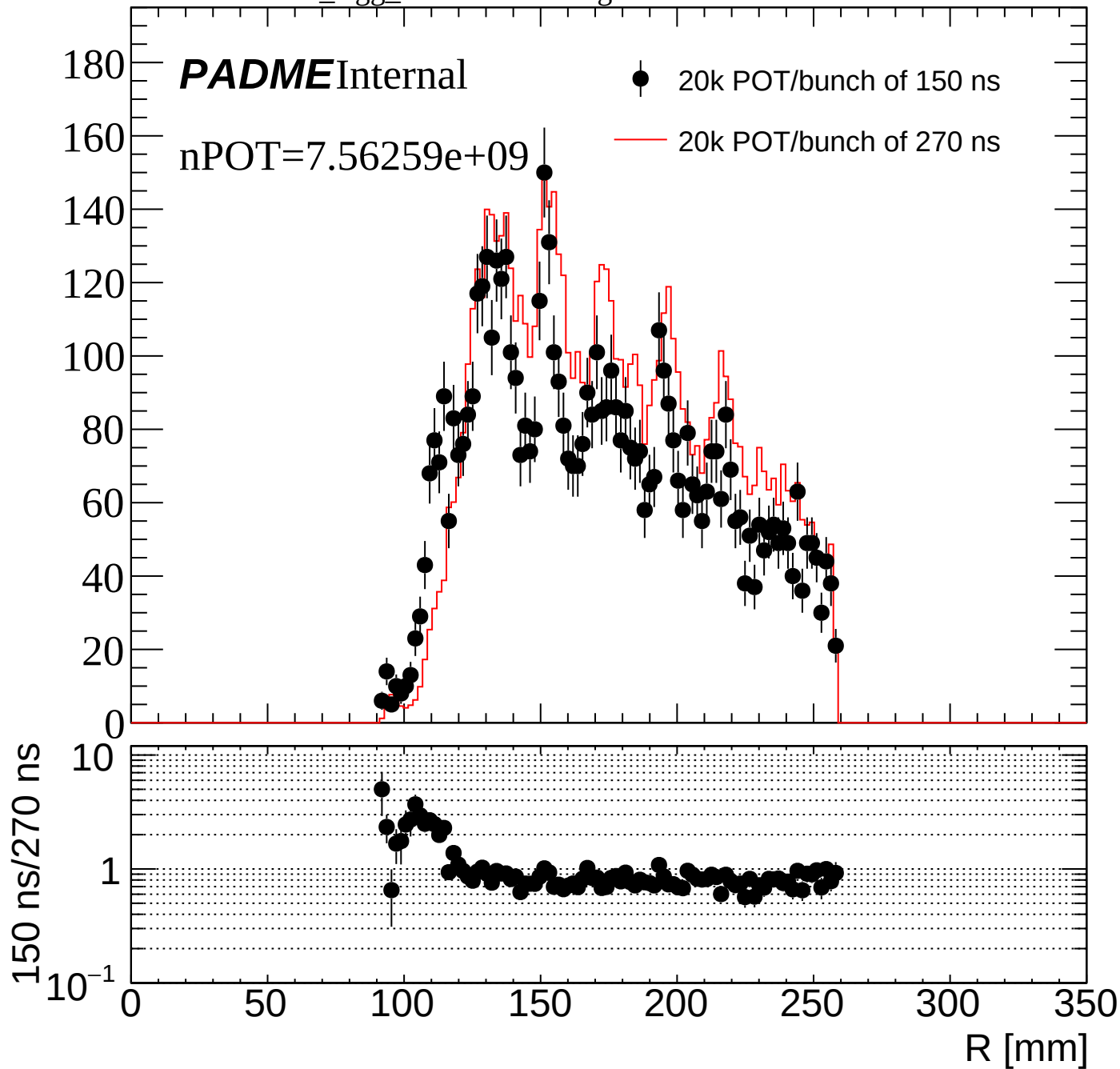
PADMEInternal

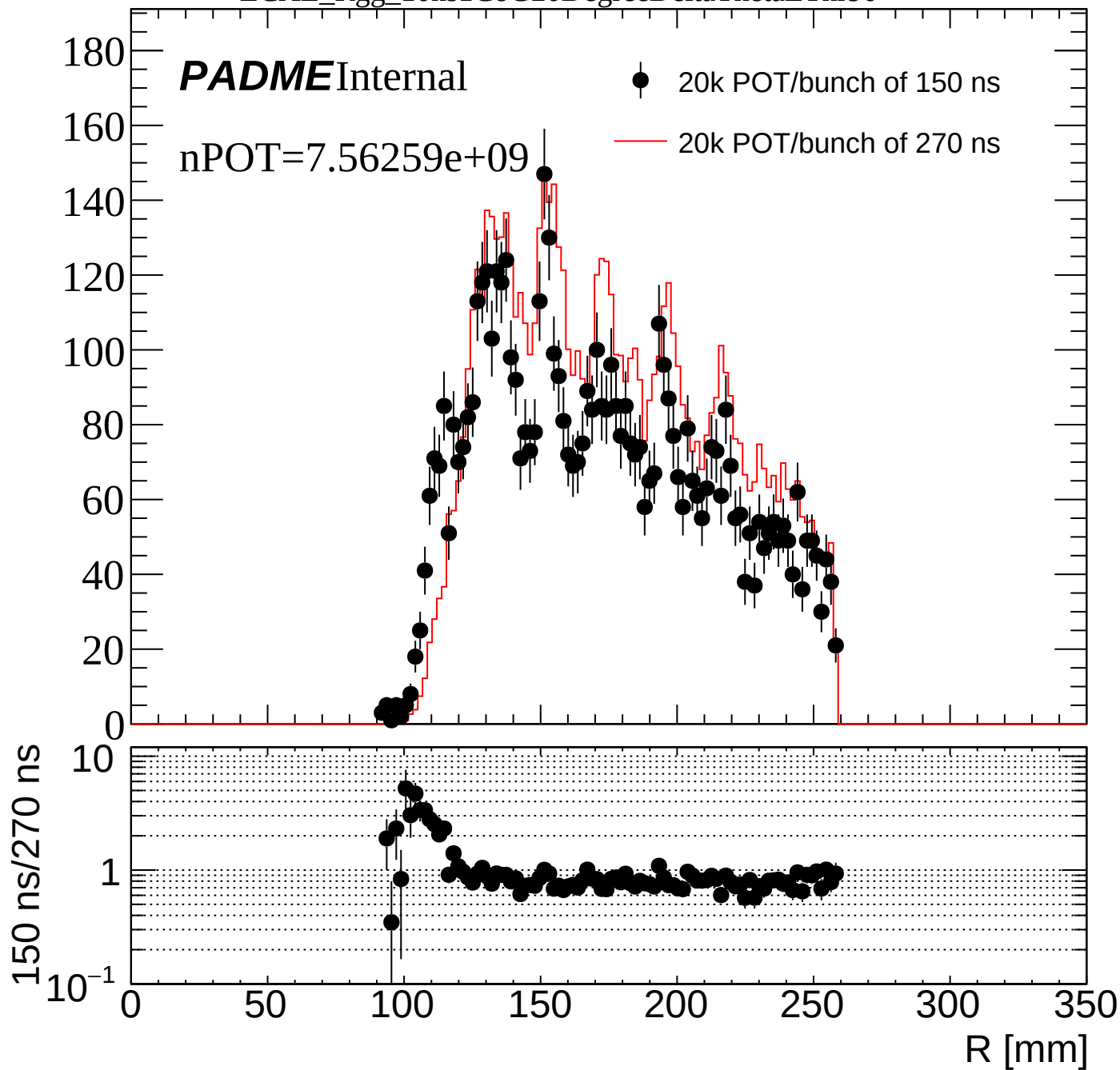
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

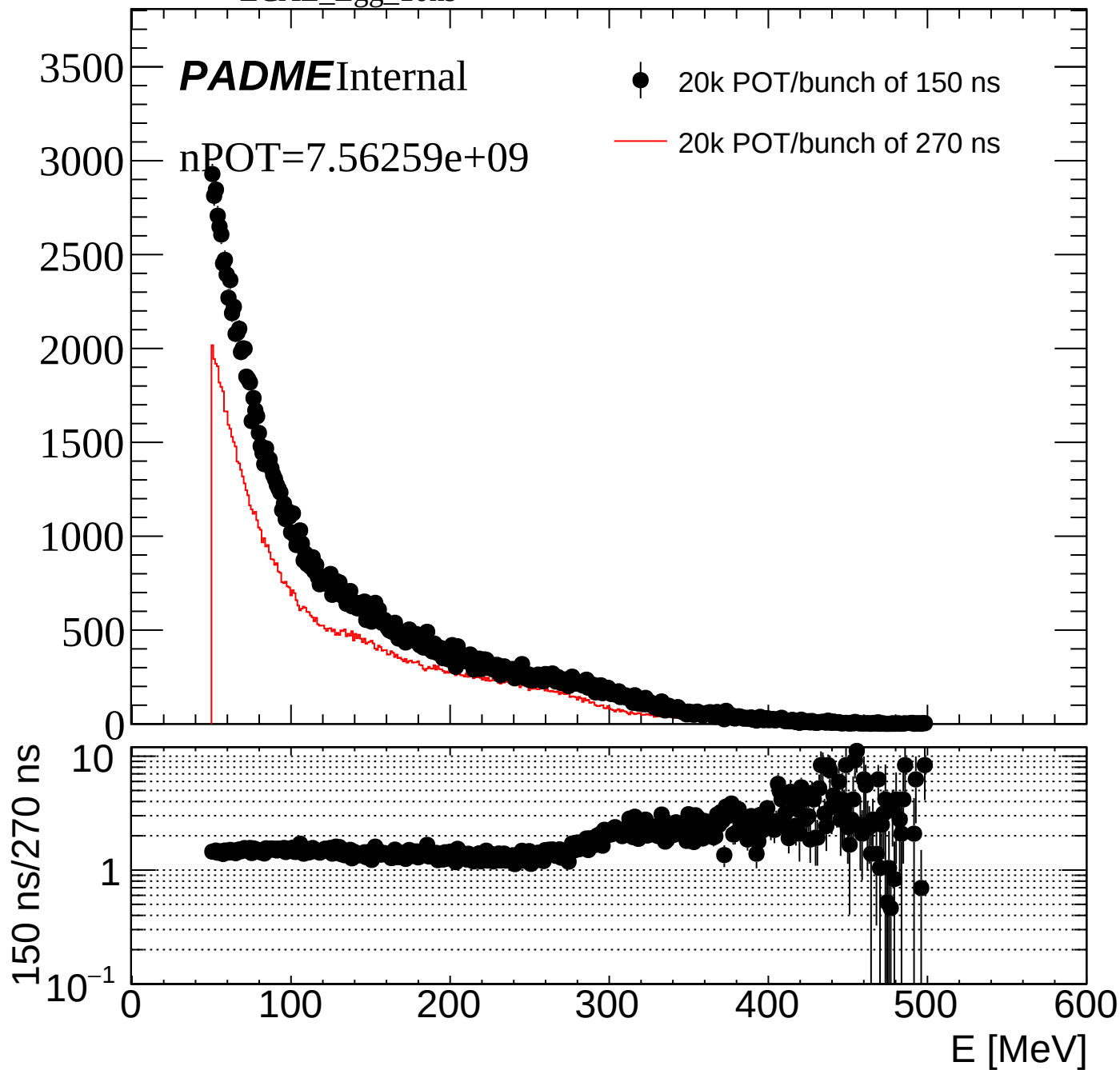
— 20k POT/bunch of 270 ns



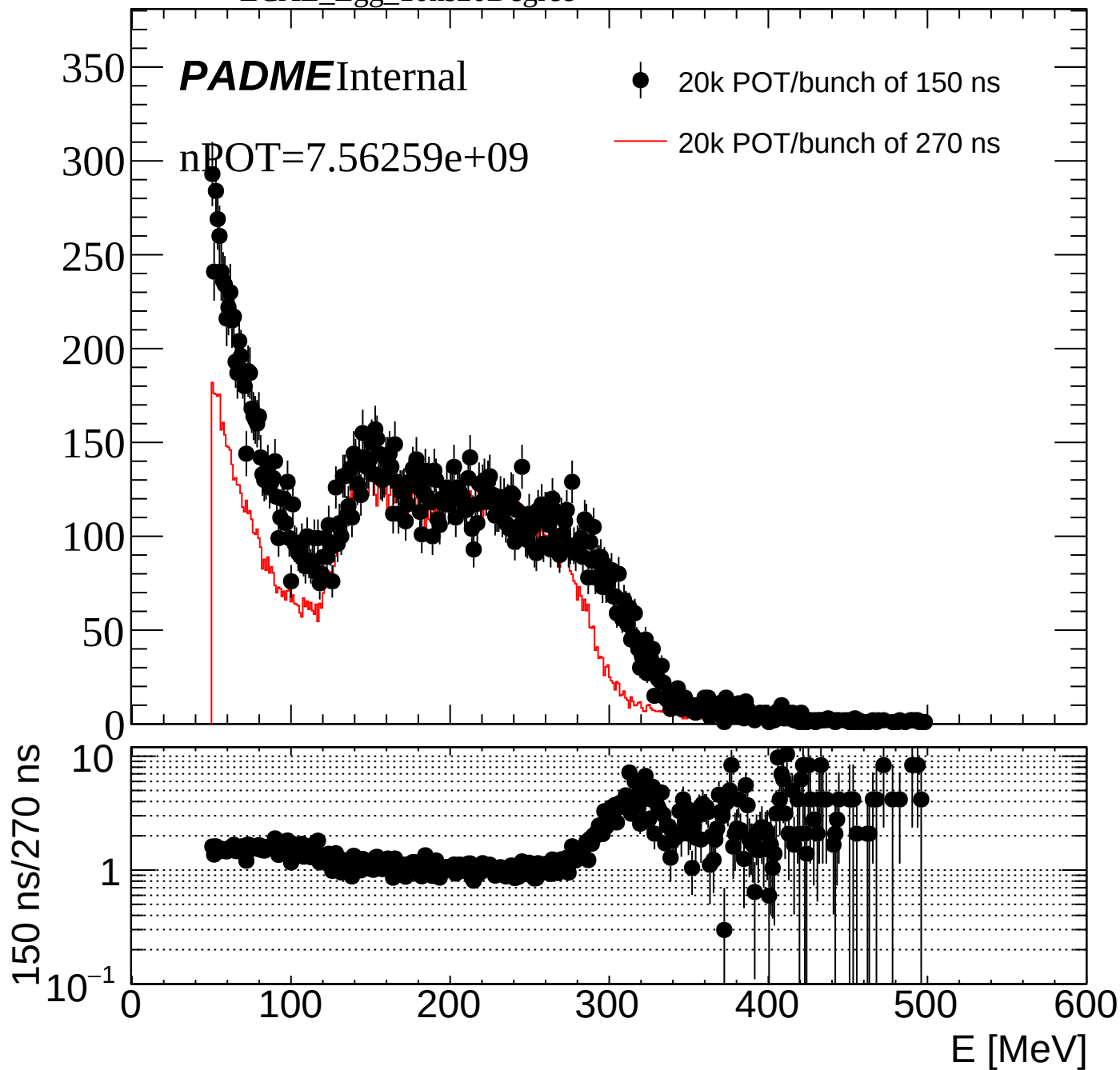




ECAL_Egg_10ns



ECAL_Egg_10ns20Degree



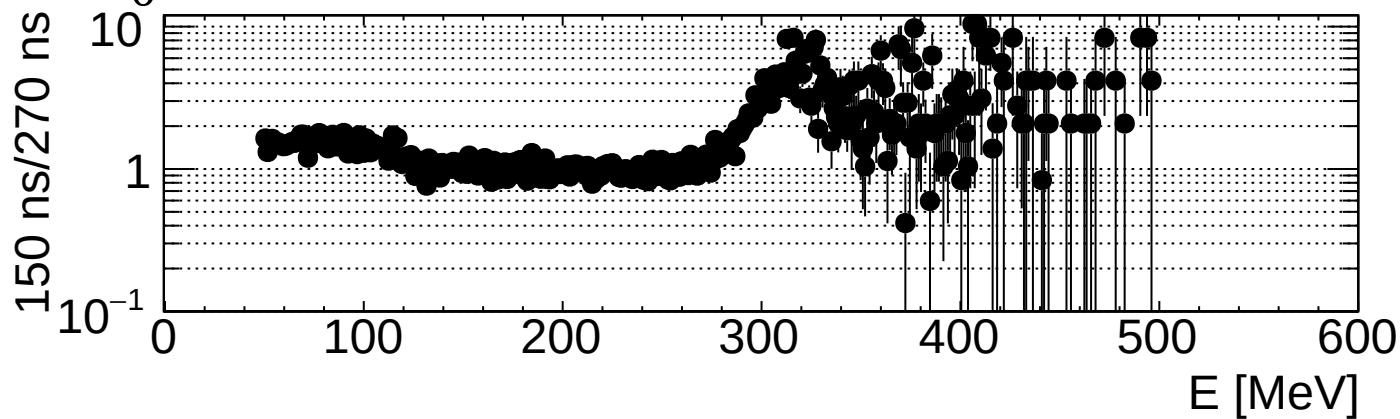
ECAL_Egg_10ns20DegreeDeltaTheta

PADME Internal

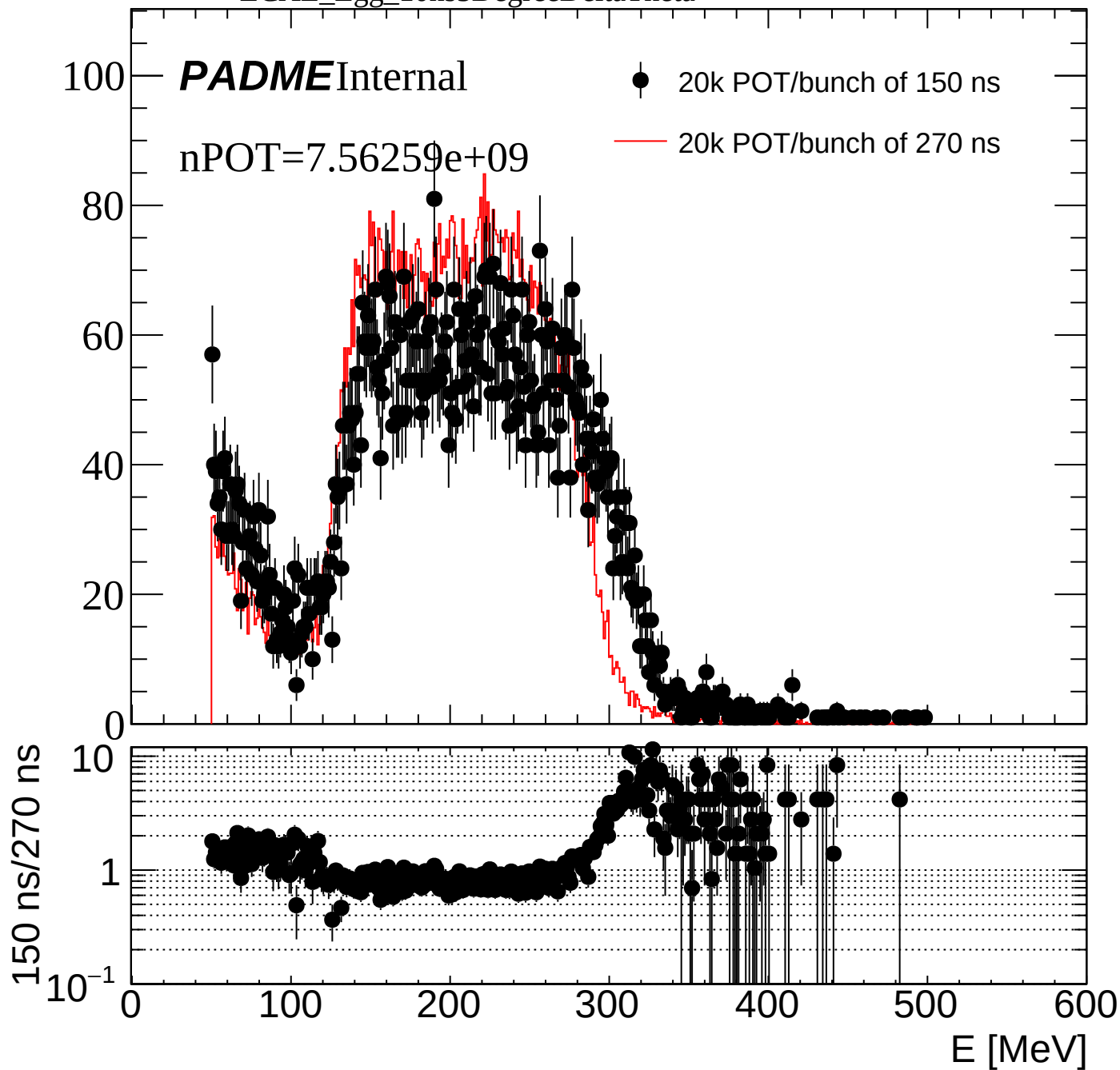
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Egg_10ns5DegreeDeltaTheta



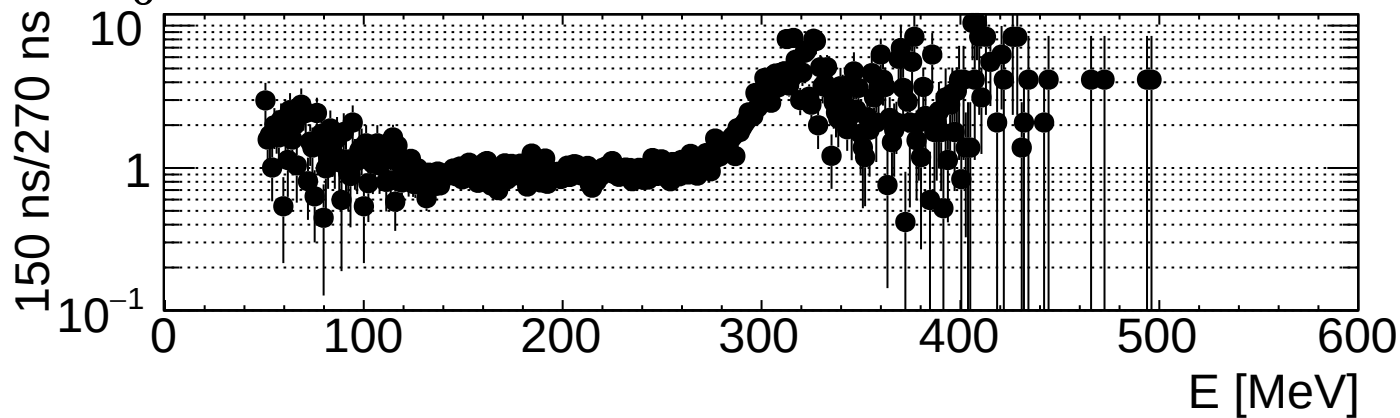
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak

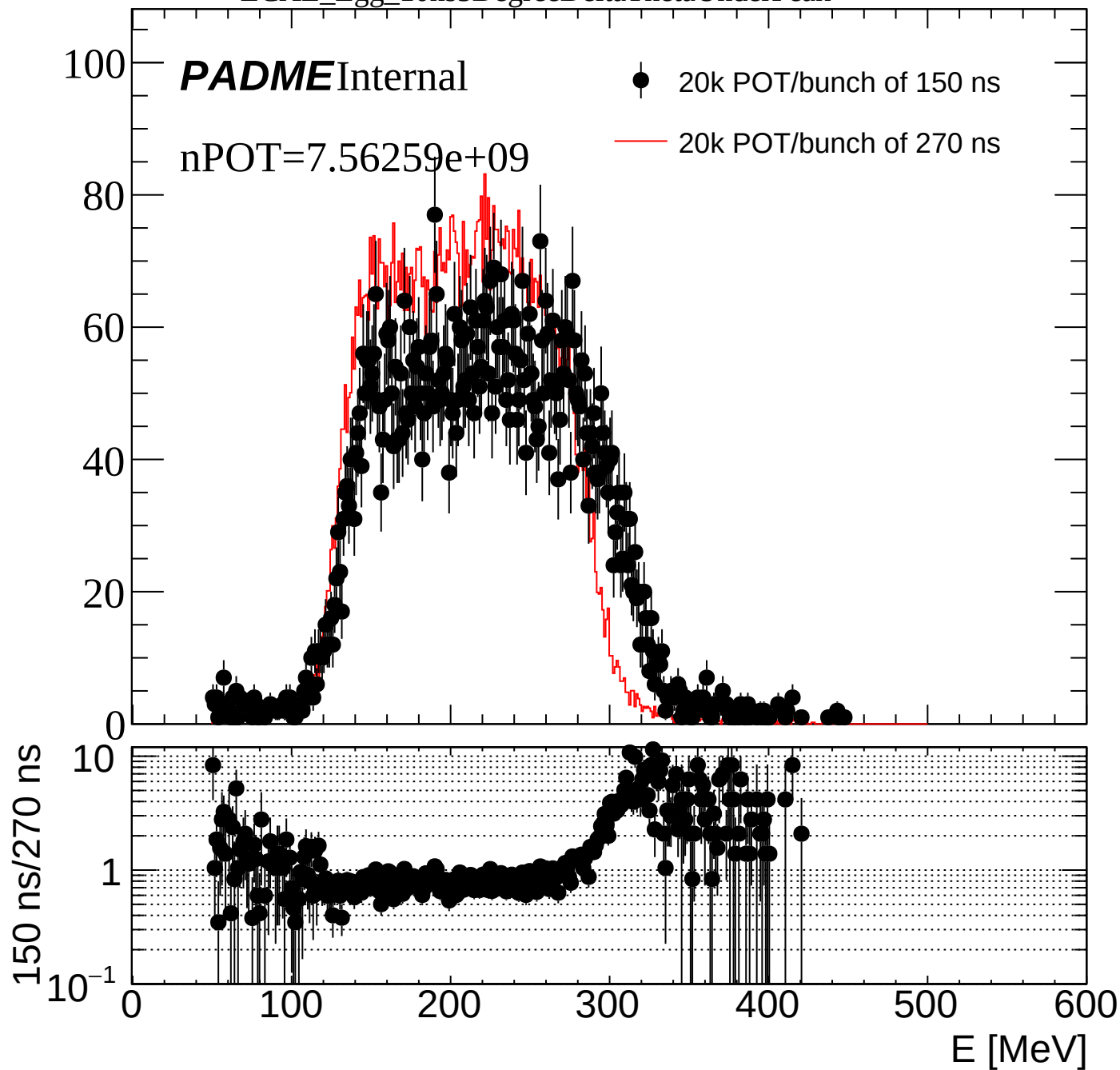
PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





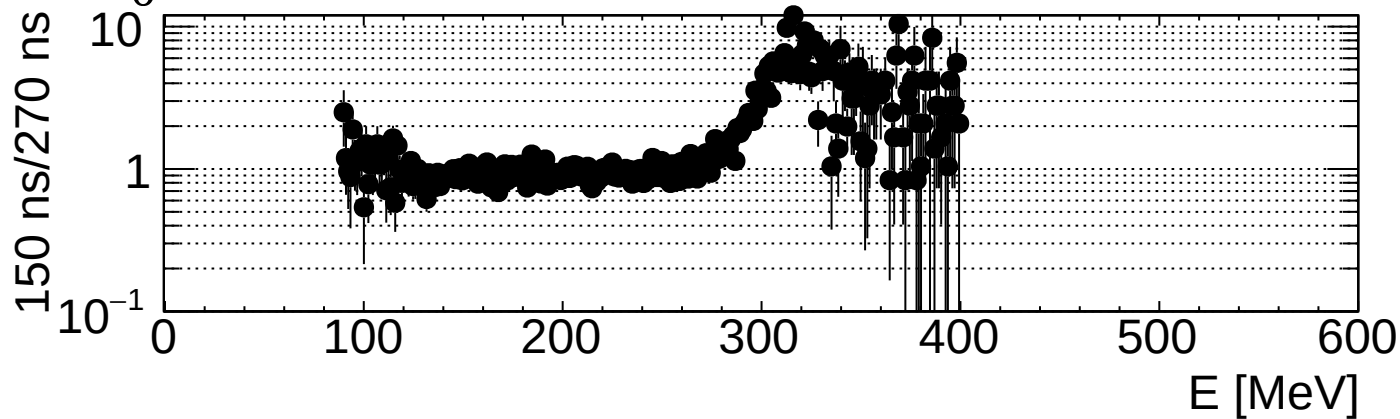
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90

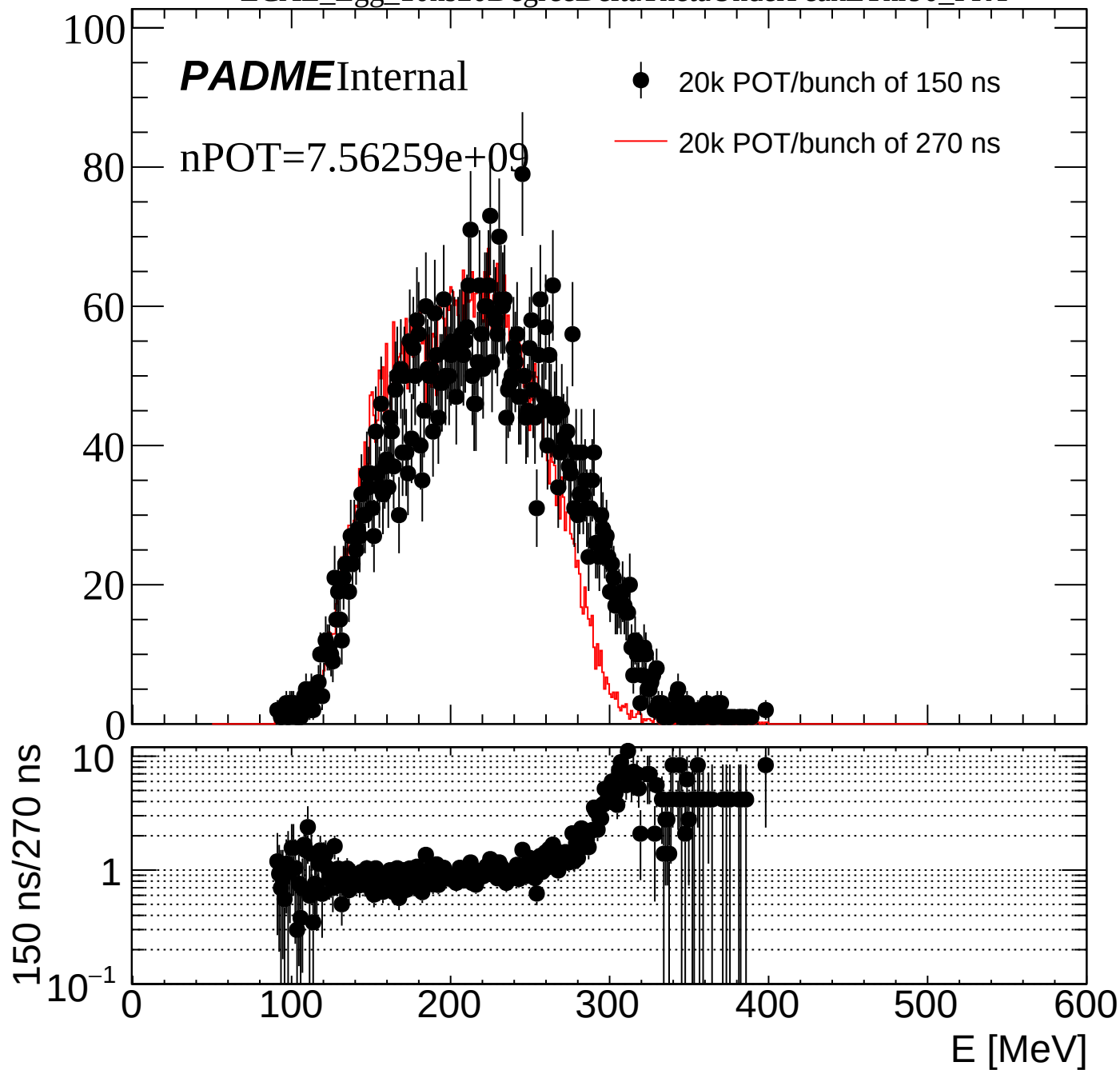
PADMEInternal

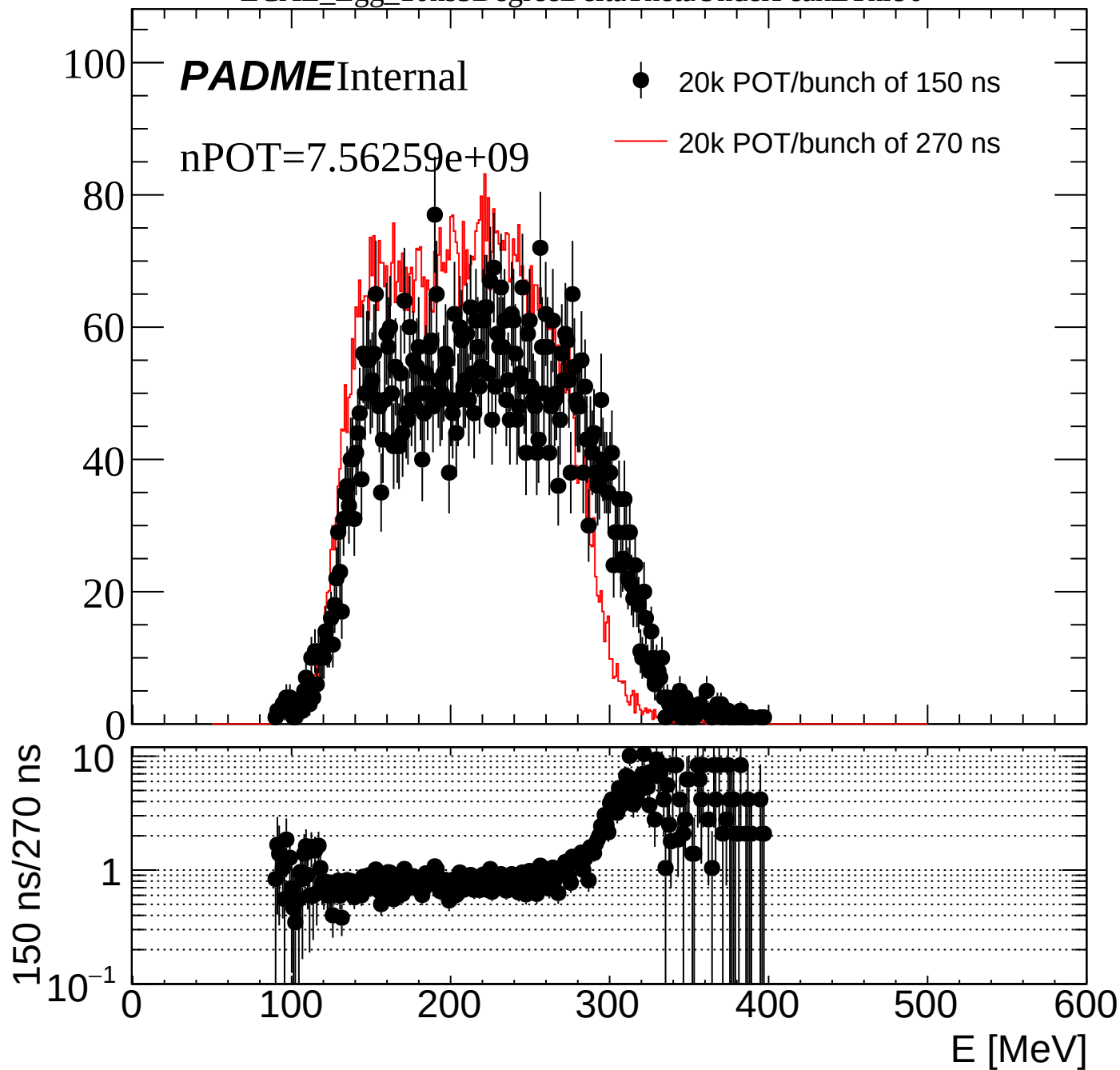
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns







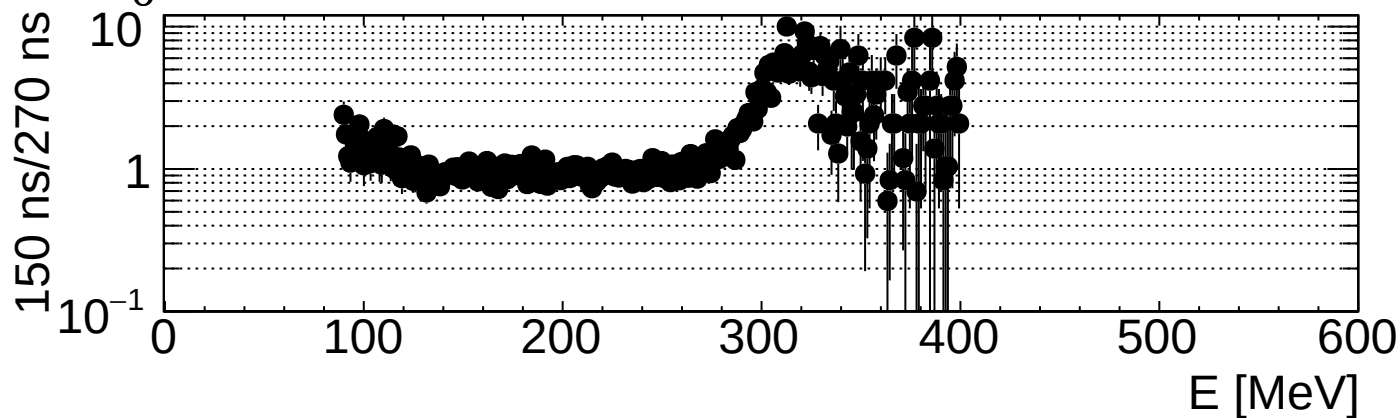
ECAL_Egg_10ns20DegreeDeltaThetaEThr90

PADMEInternal

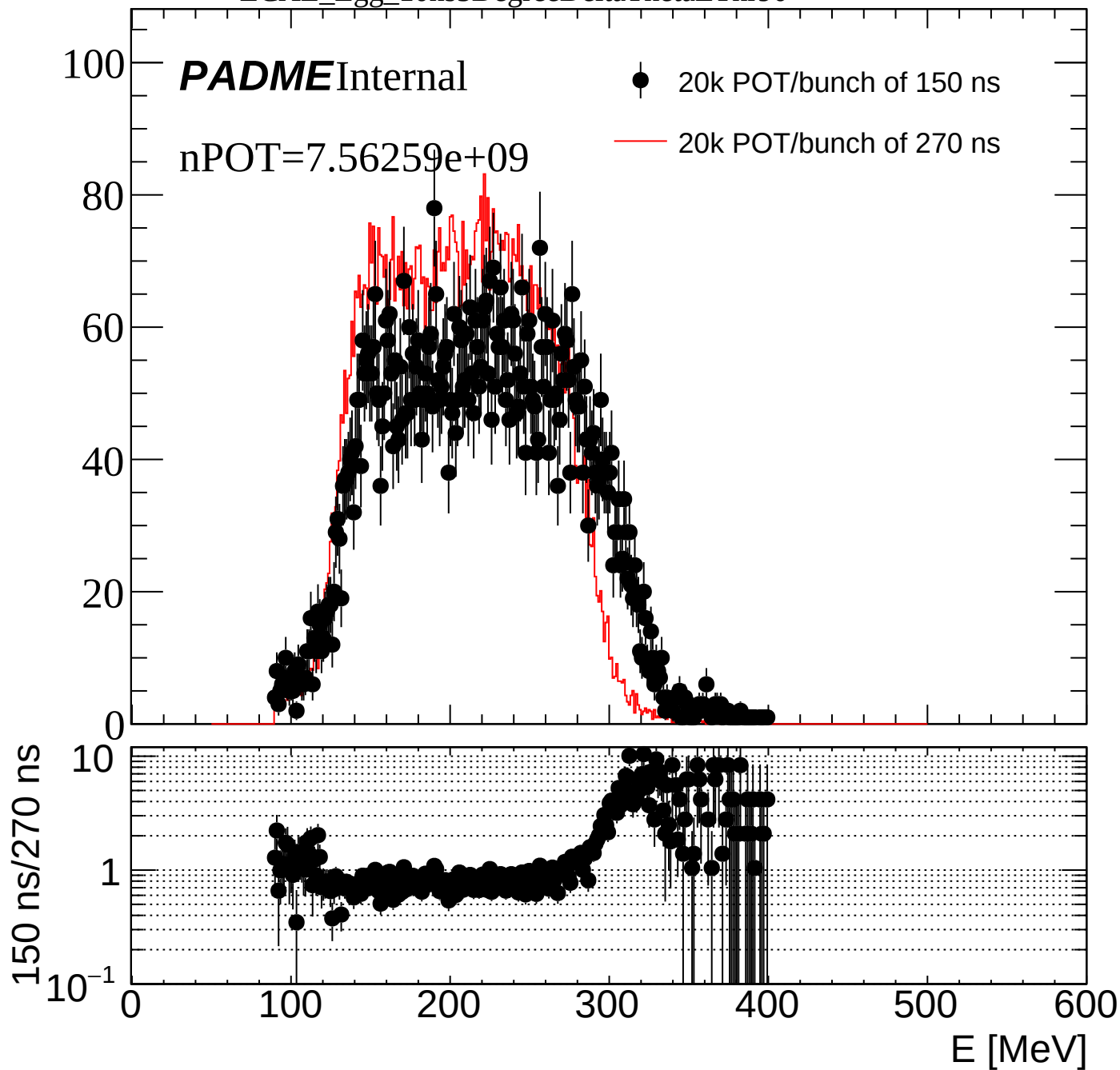
nPOT=7.56259e+09

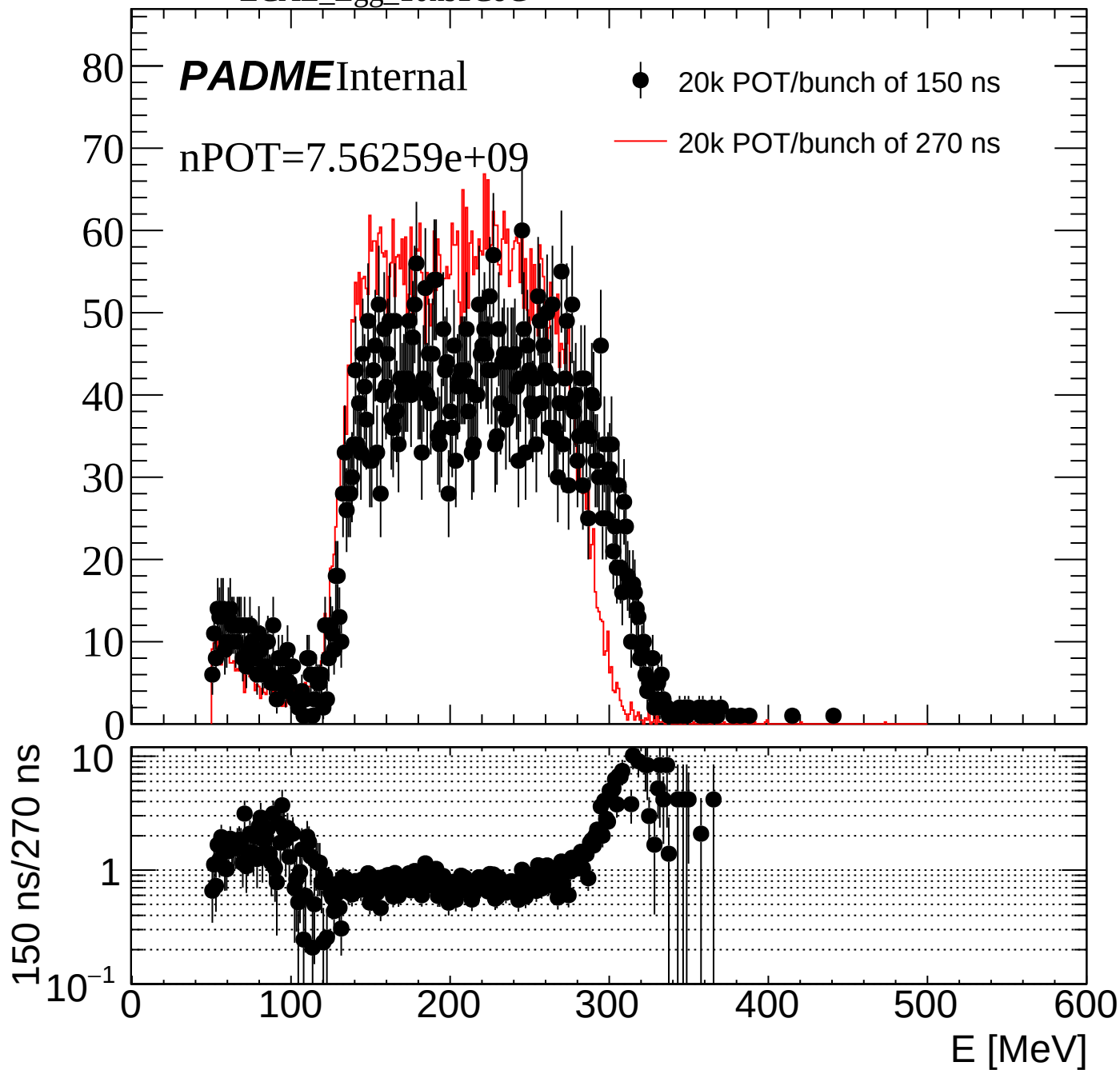
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Egg_10ns5DegreeDeltaThetaEThr90





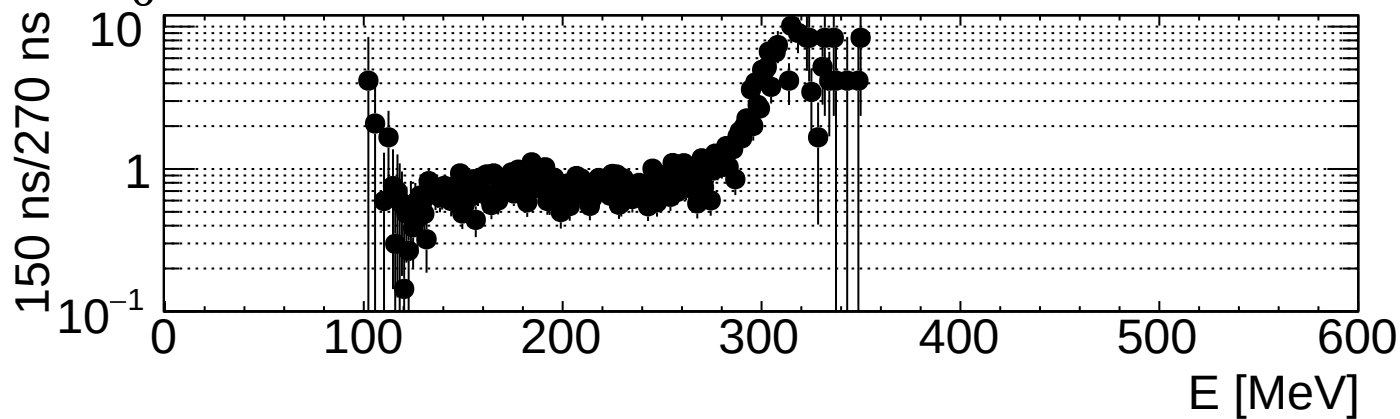
ECAL_Egg_10ns1CoGUnderPeak

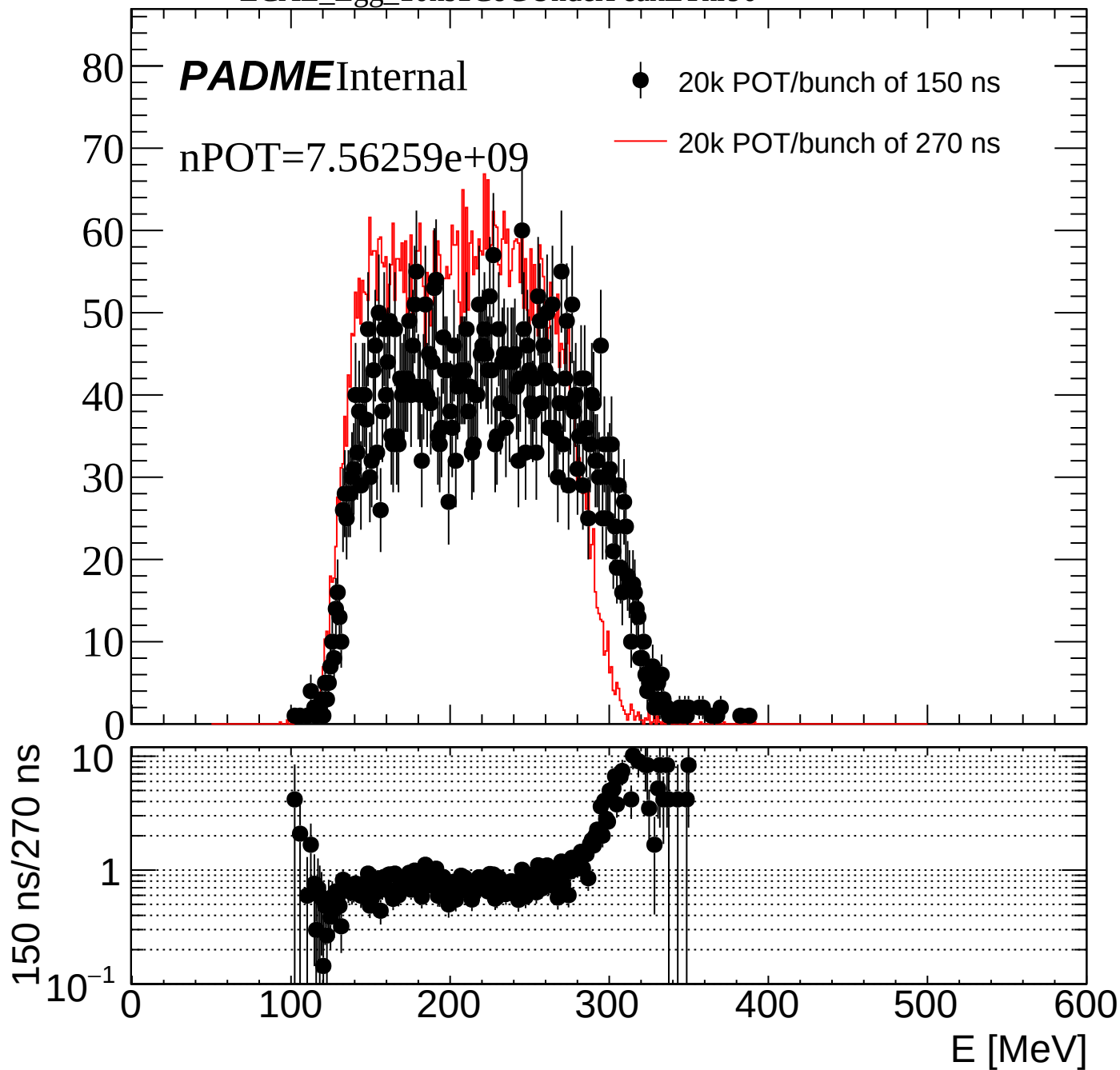
PADMEInternal

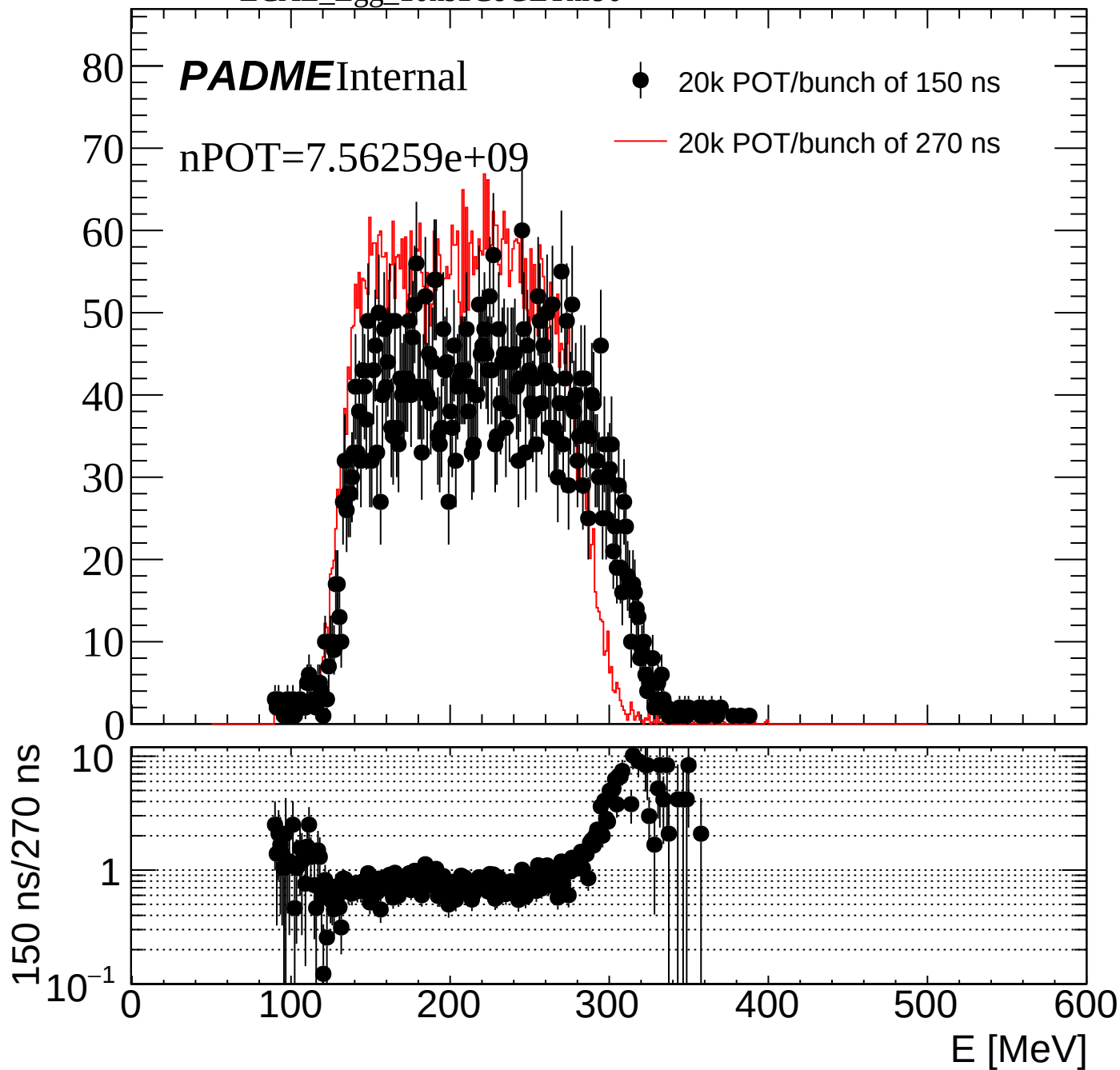
nPOT=7.56259e+09

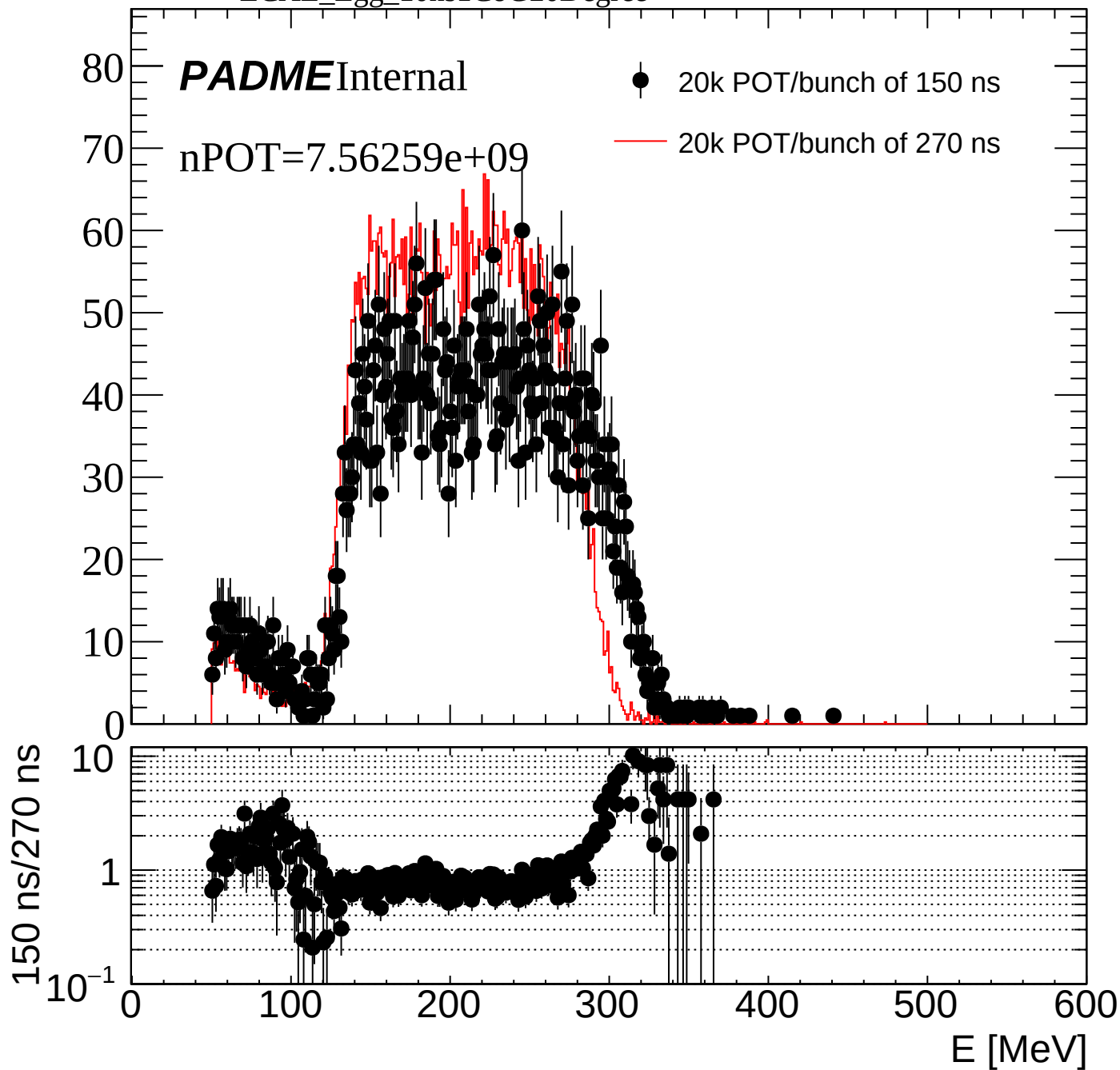
● 20k POT/bunch of 150 ns

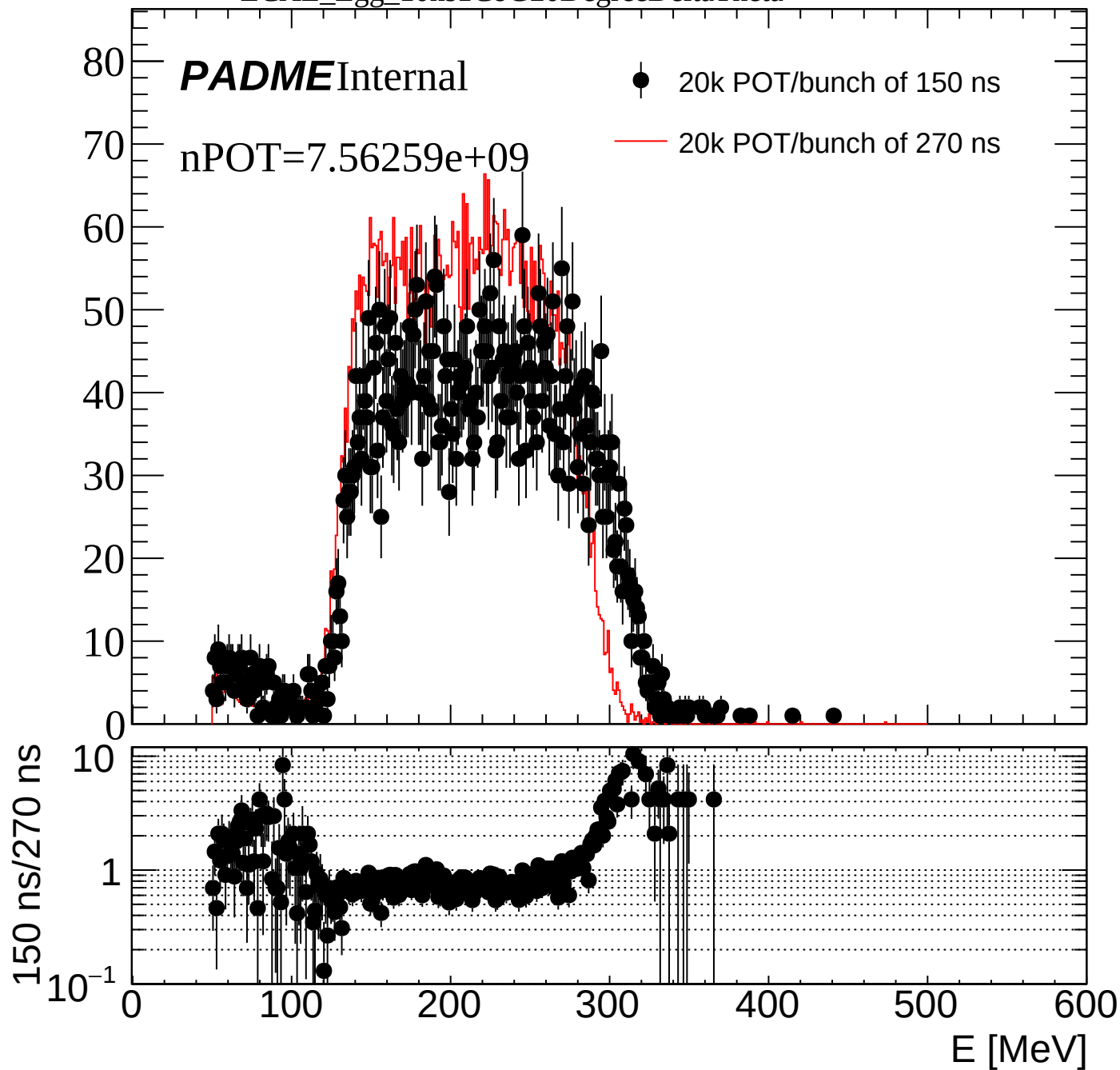
— 20k POT/bunch of 270 ns

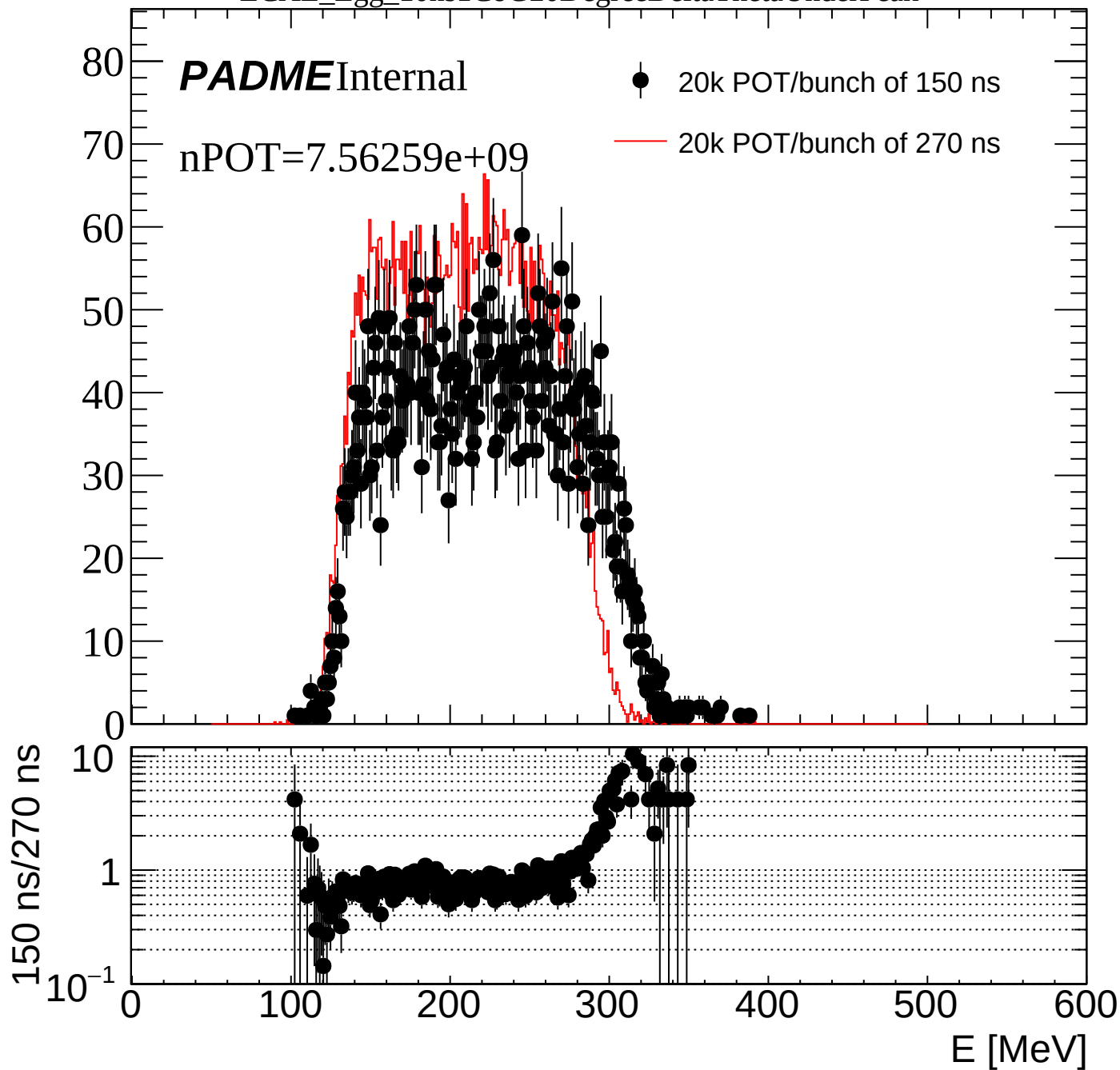












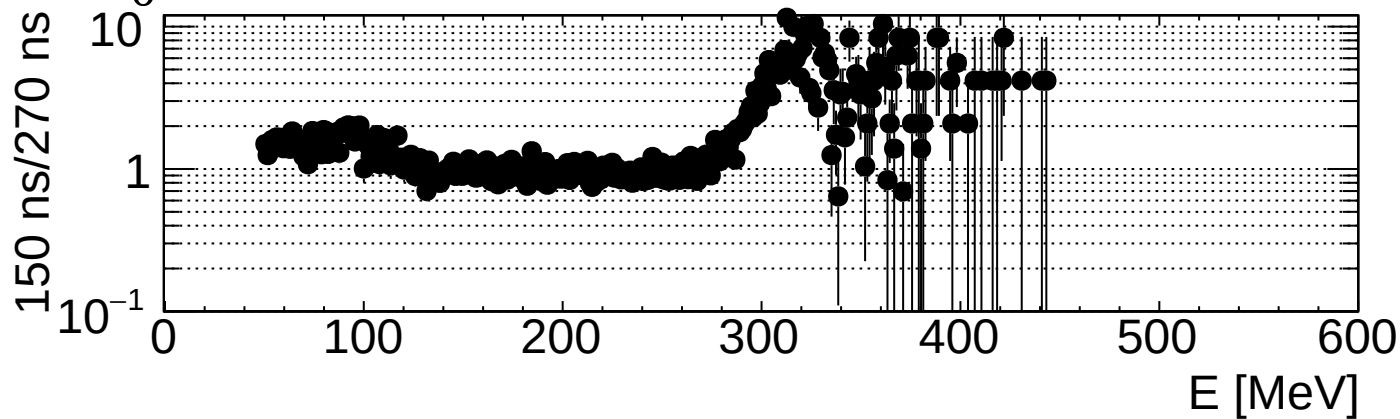
ECAL_Egg_10ns3CoG

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



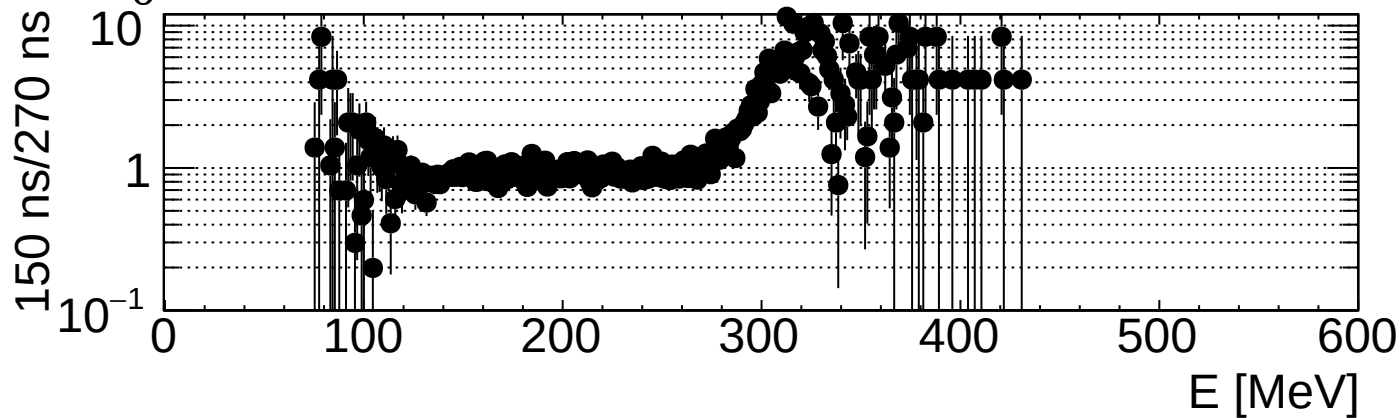
ECAL_Egg_10ns3CoGUnderPeak

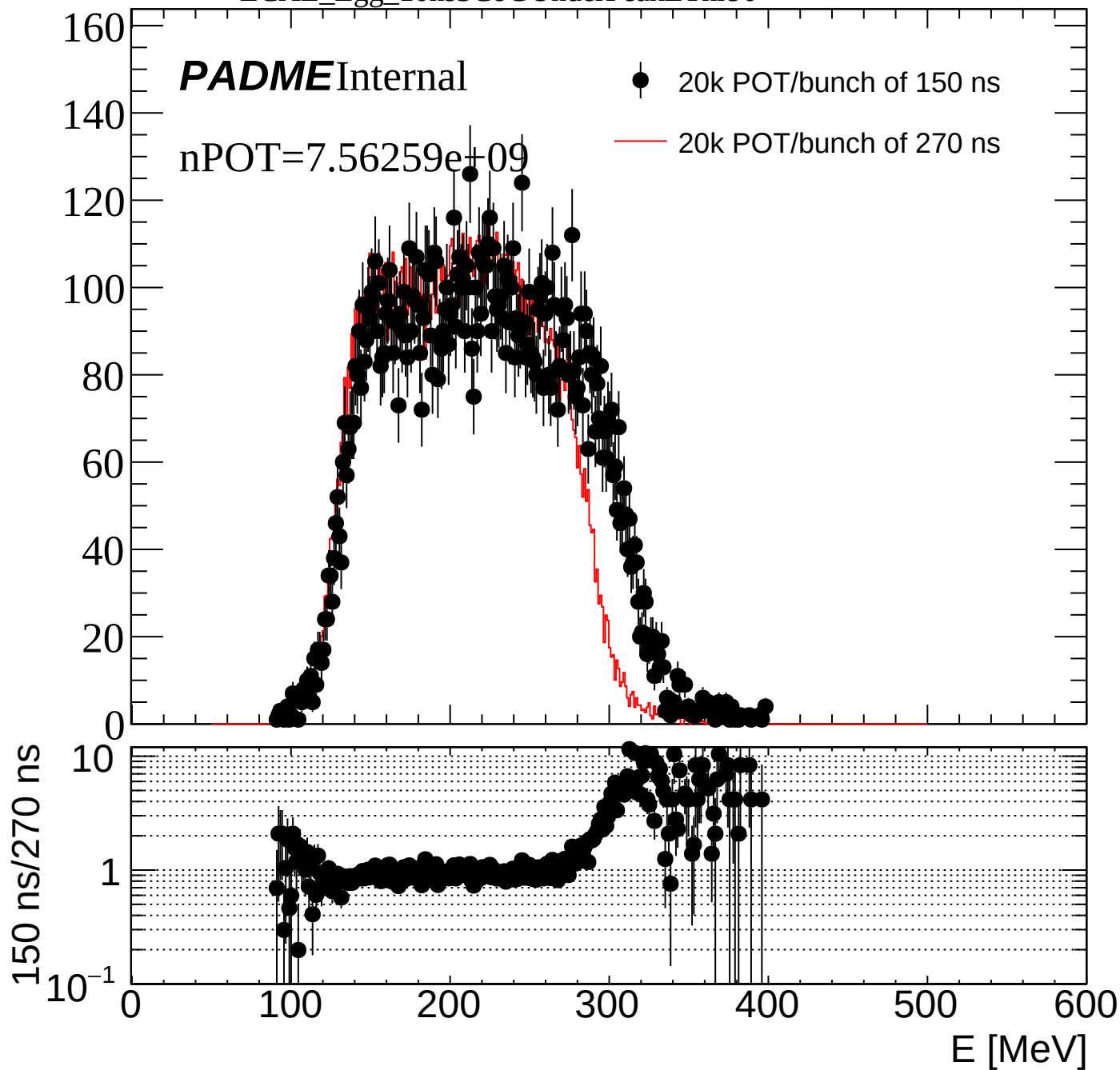
PADMEInternal

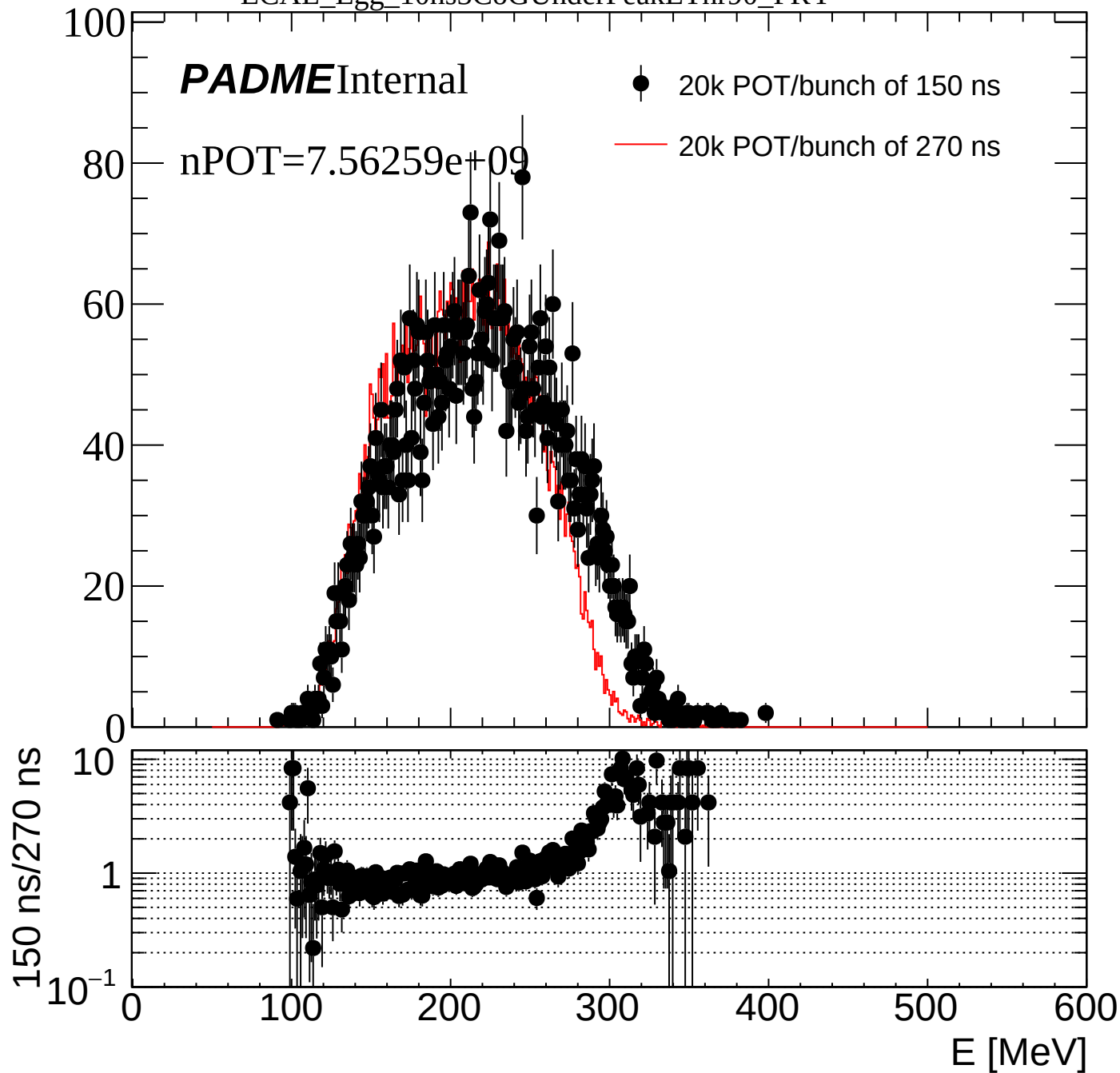
$n\text{POT}=7.56259\text{e}+09$

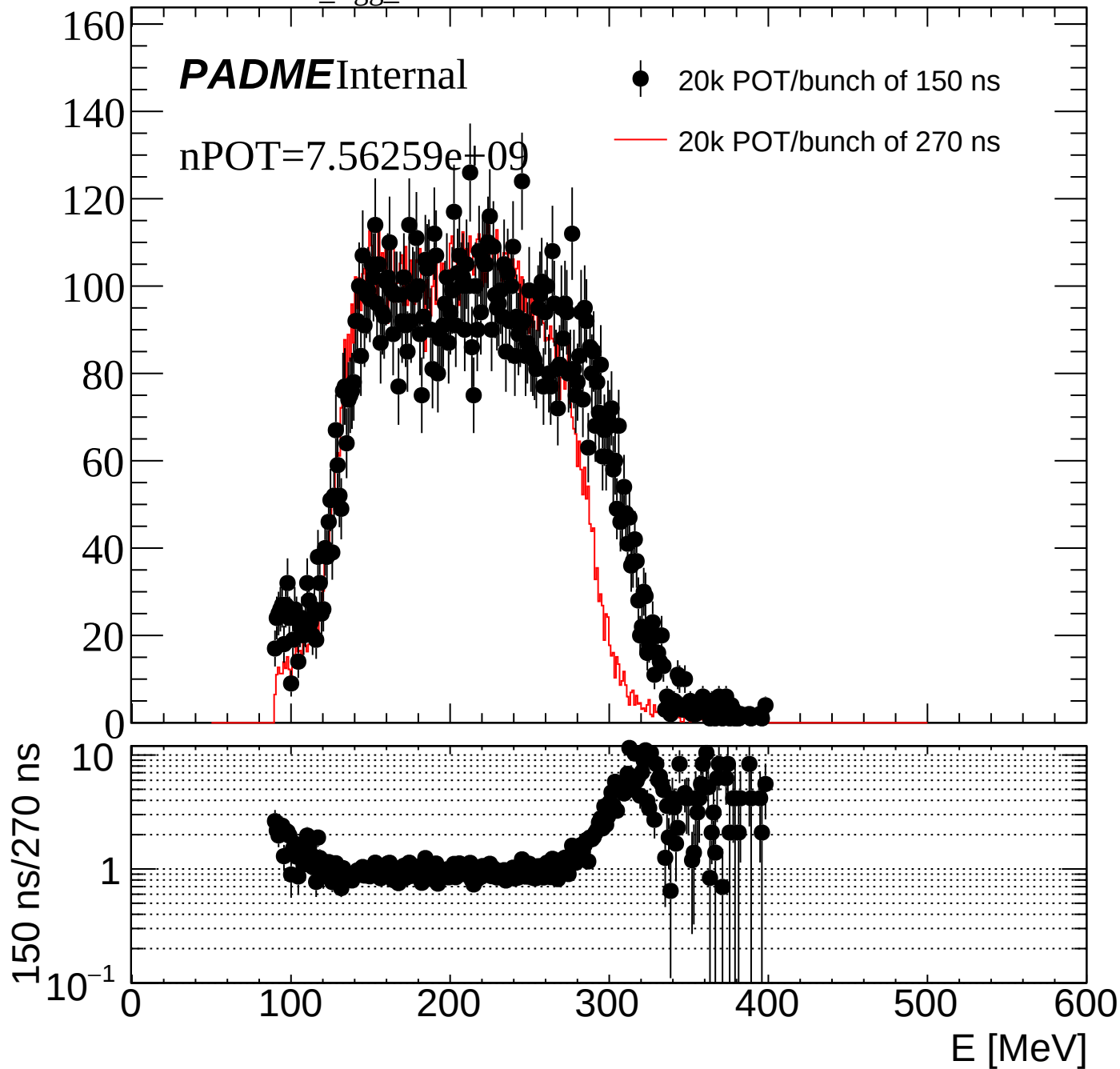
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

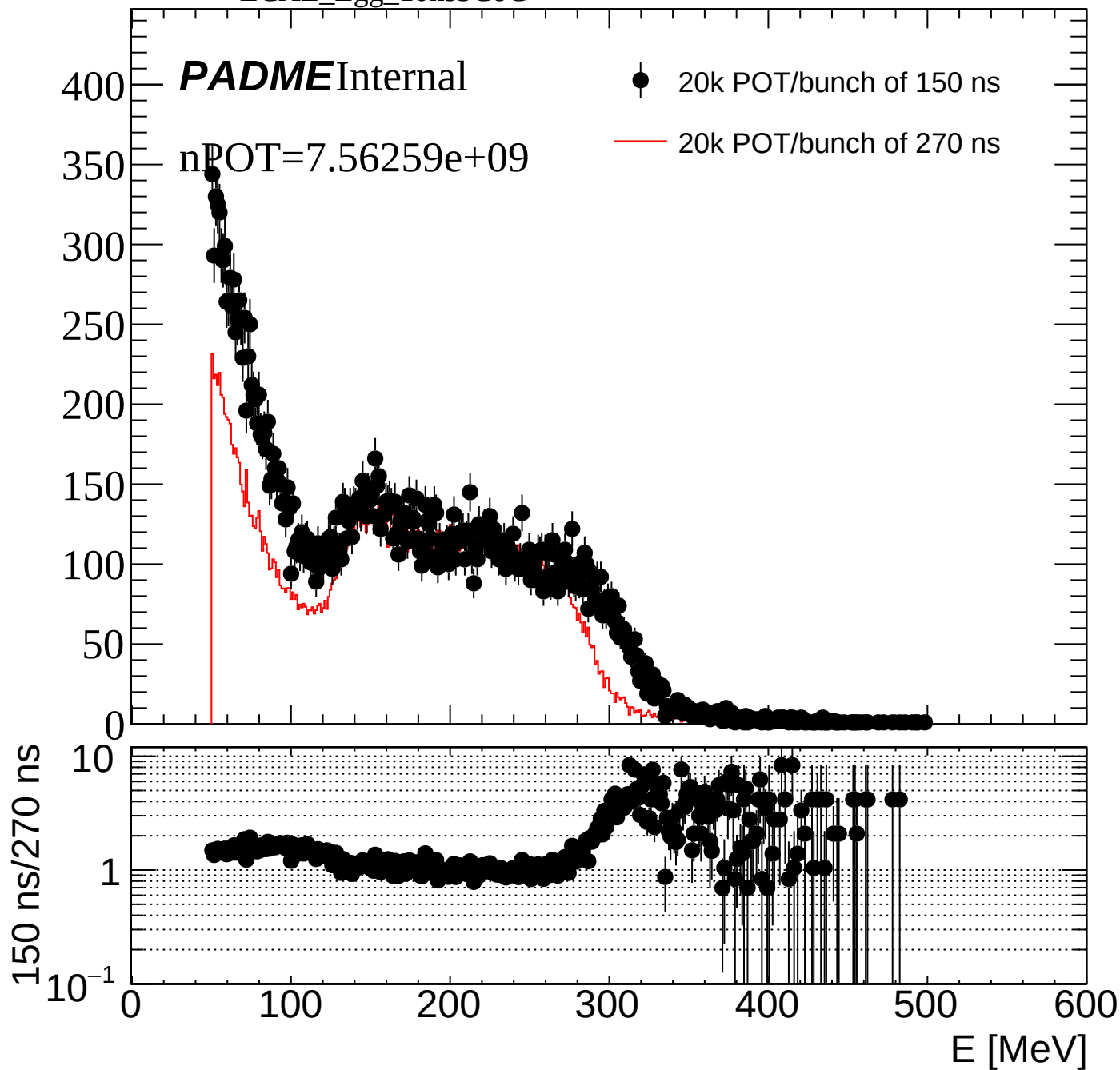


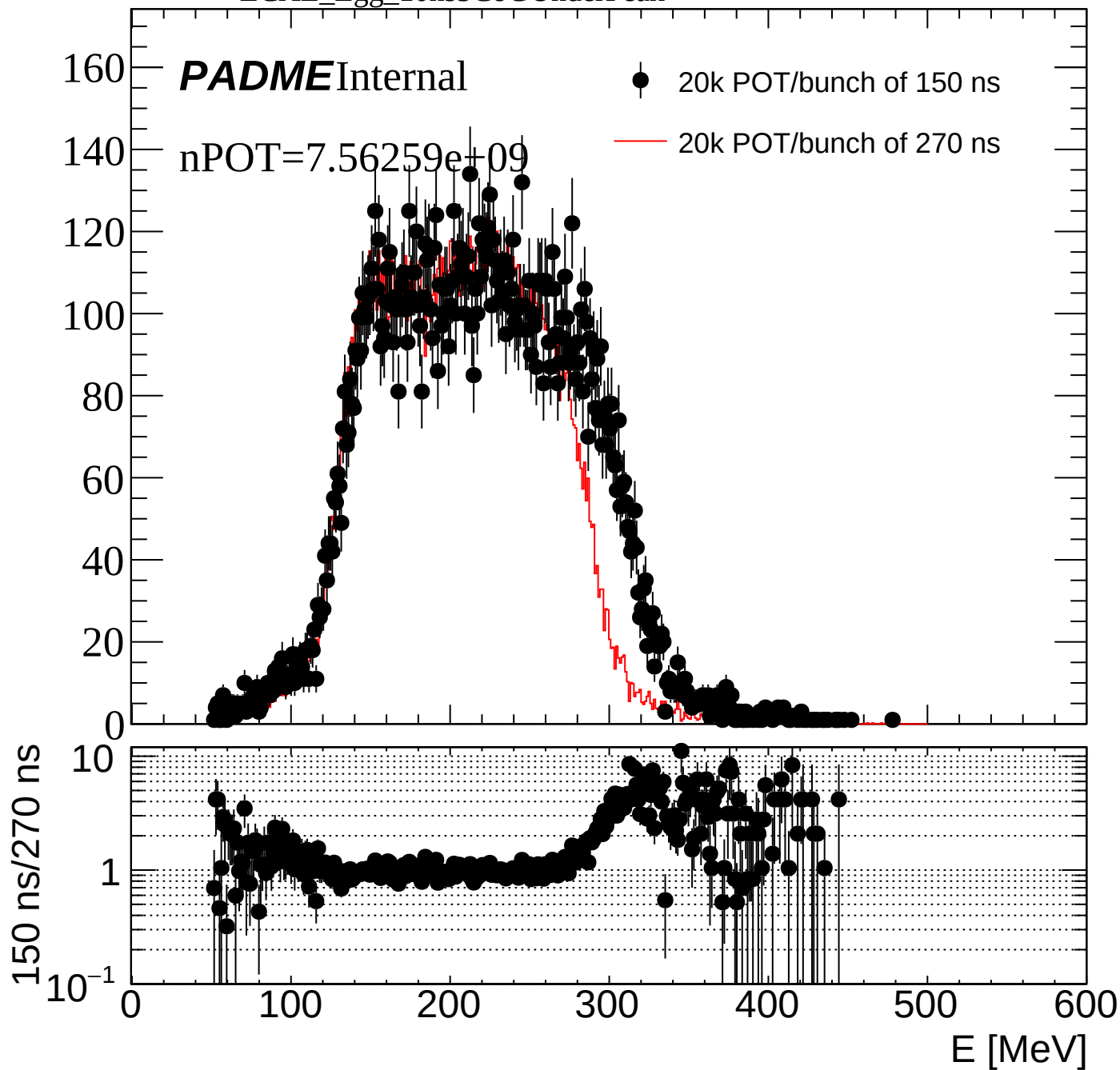


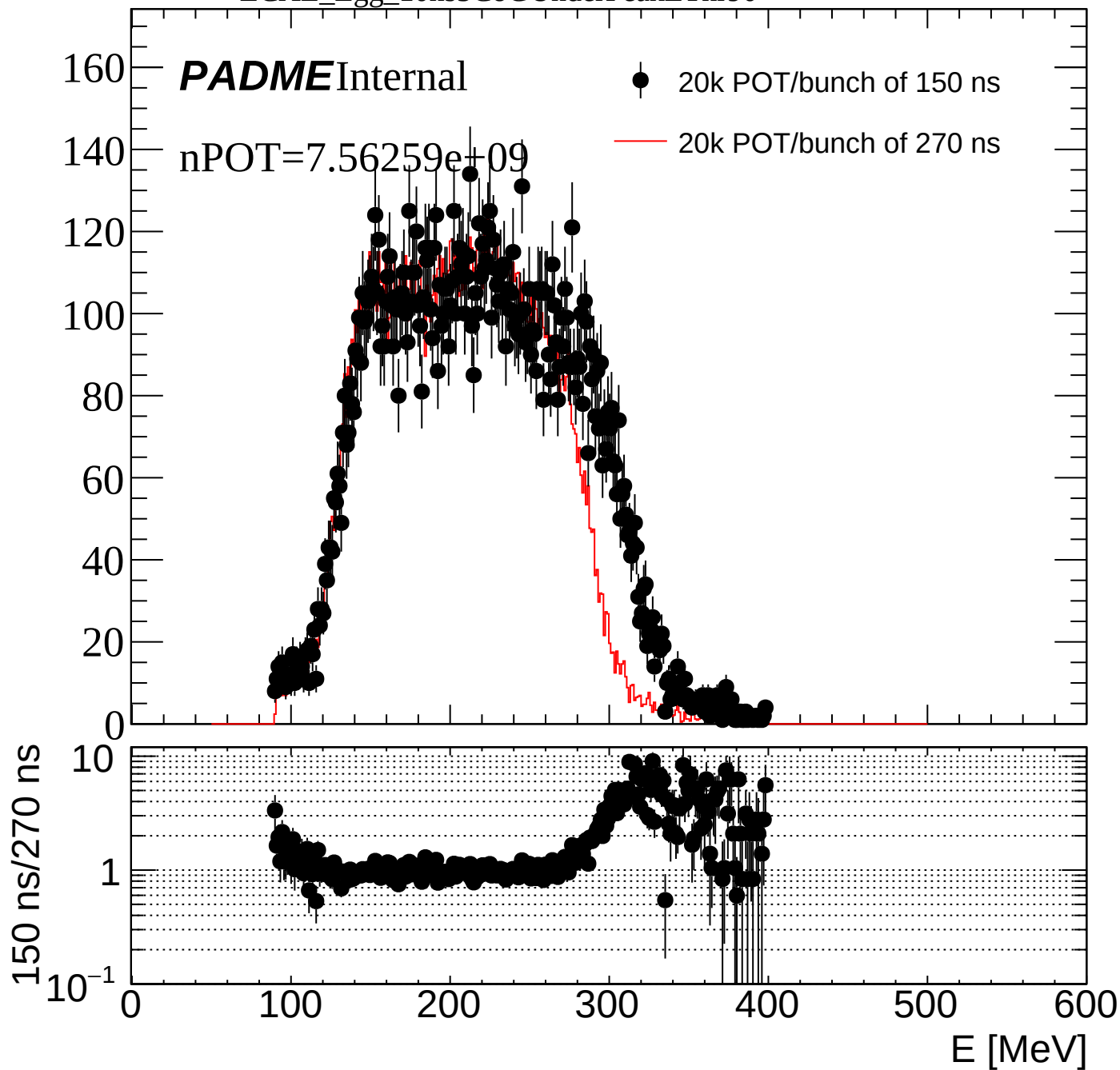


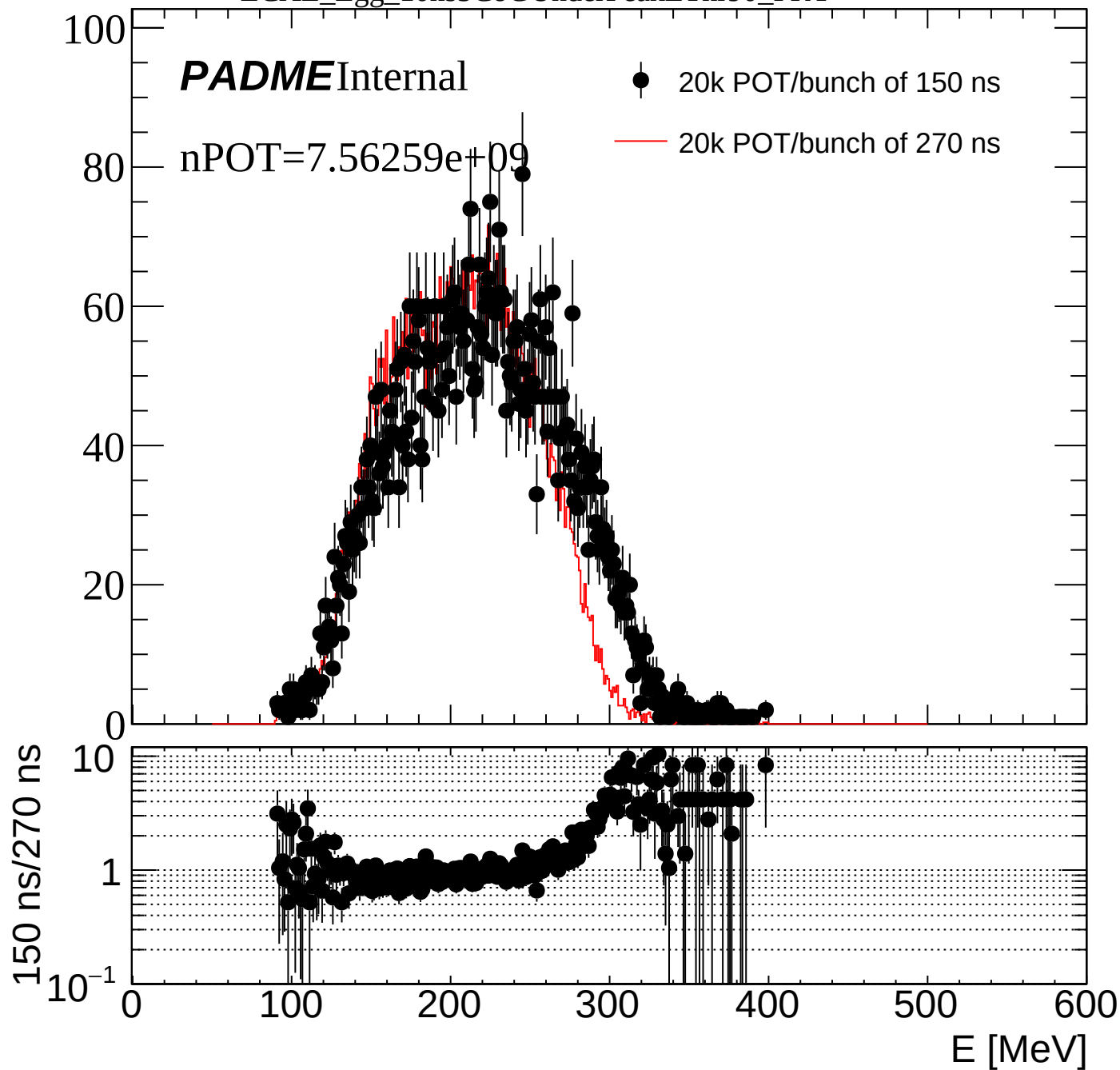


ECAL_Egg_10ns5CoG









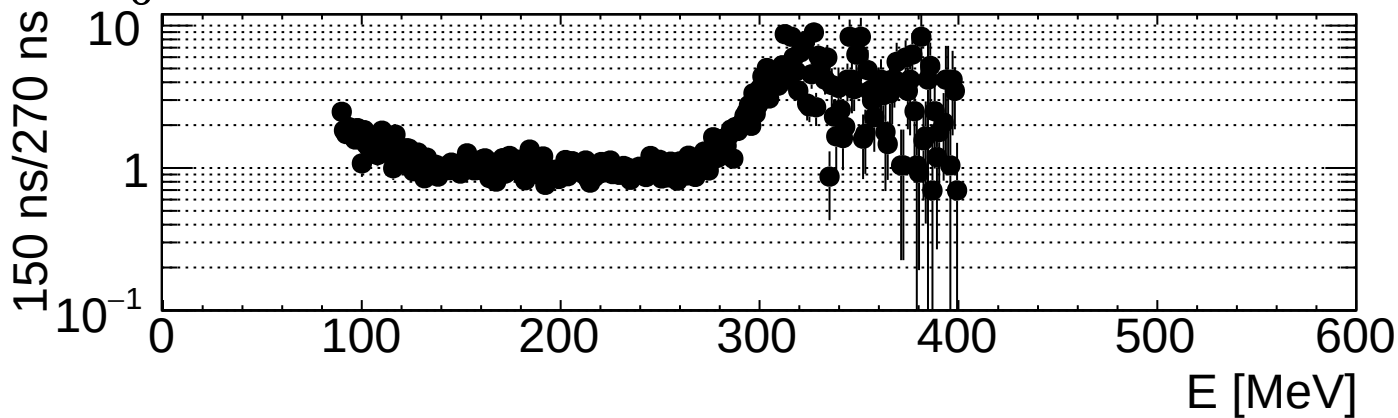
ECAL_Egg_10ns5CoGEThr90

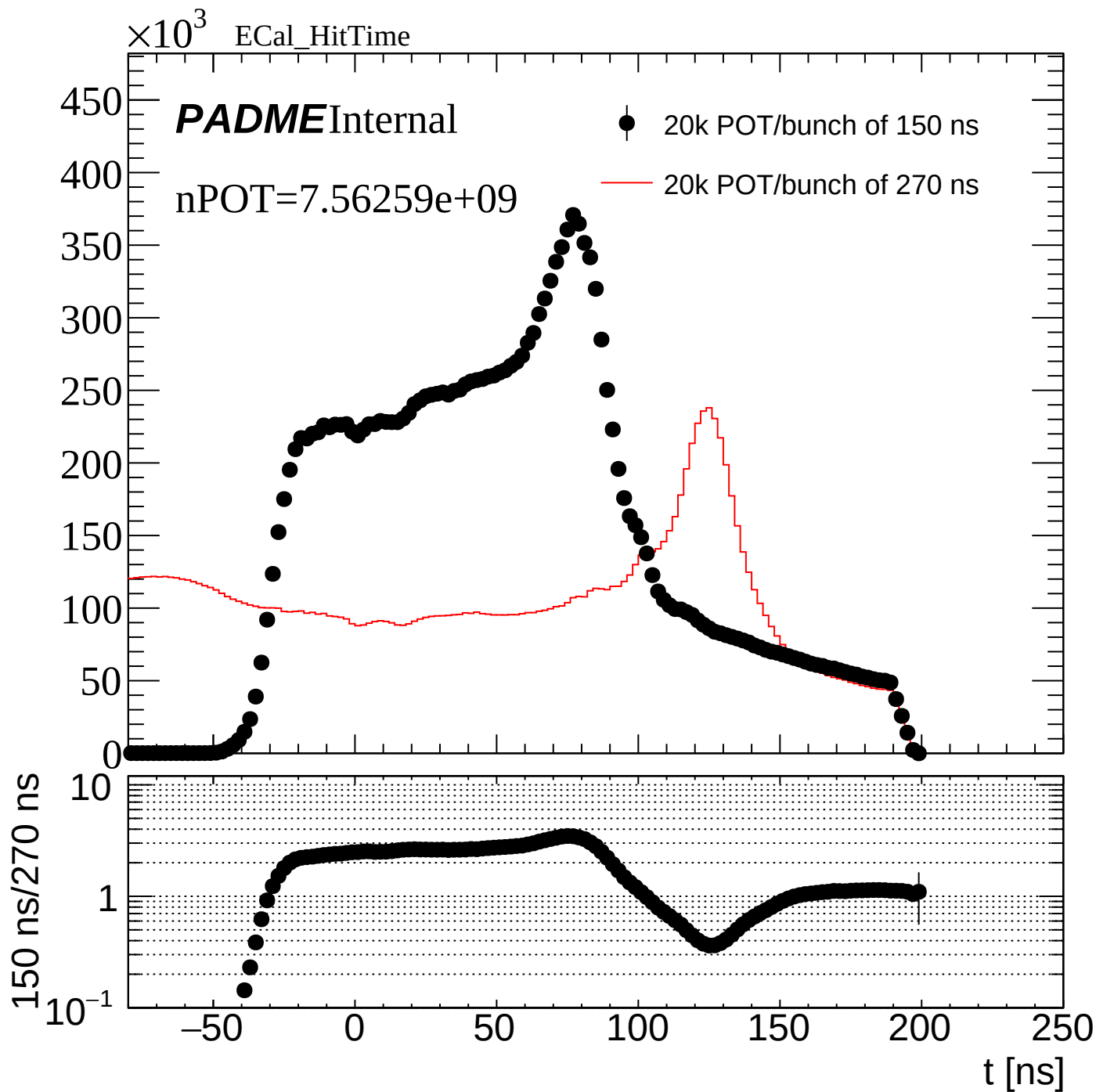
PADMEInternal

nPOT=7.56259e+09

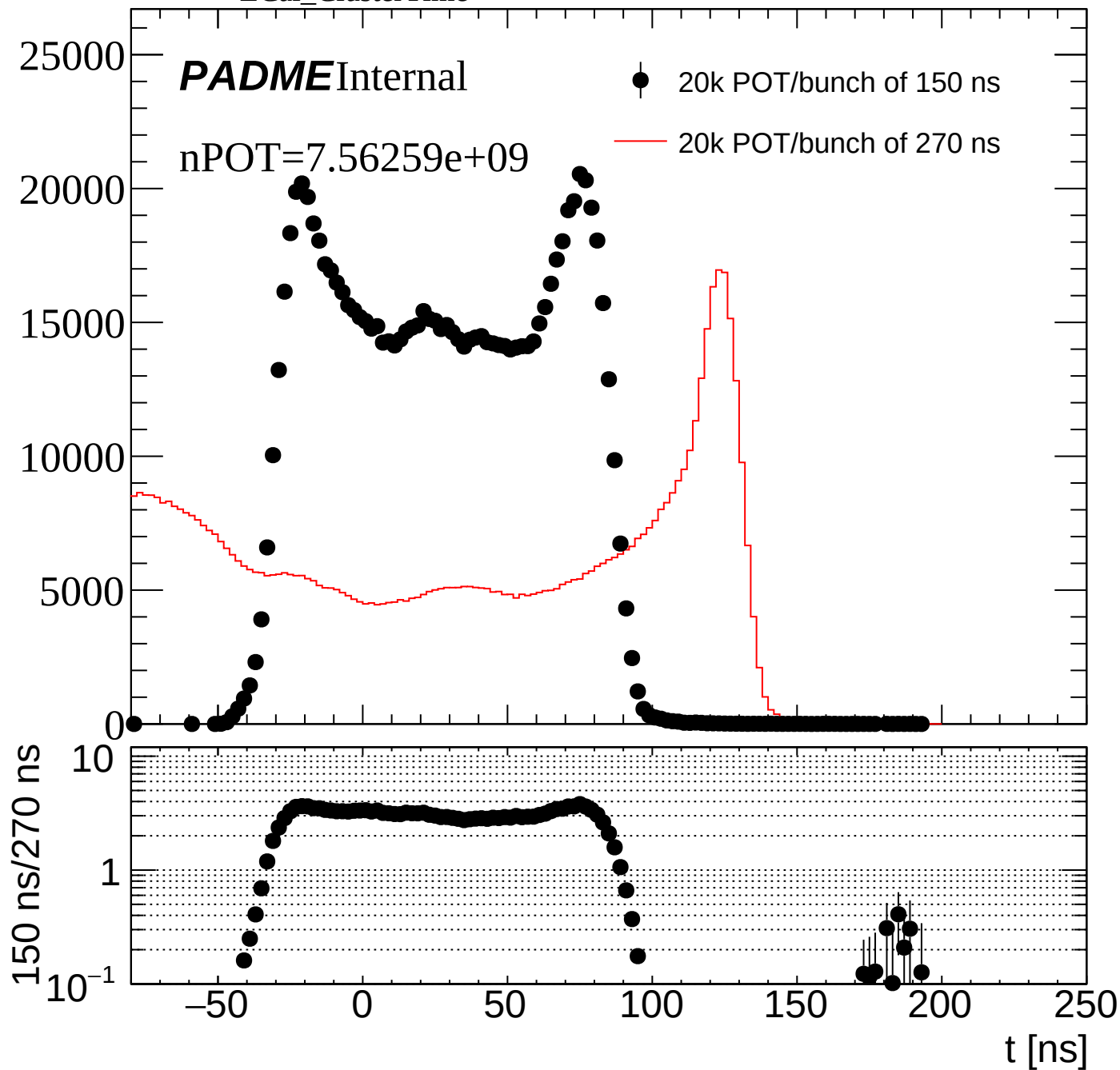
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

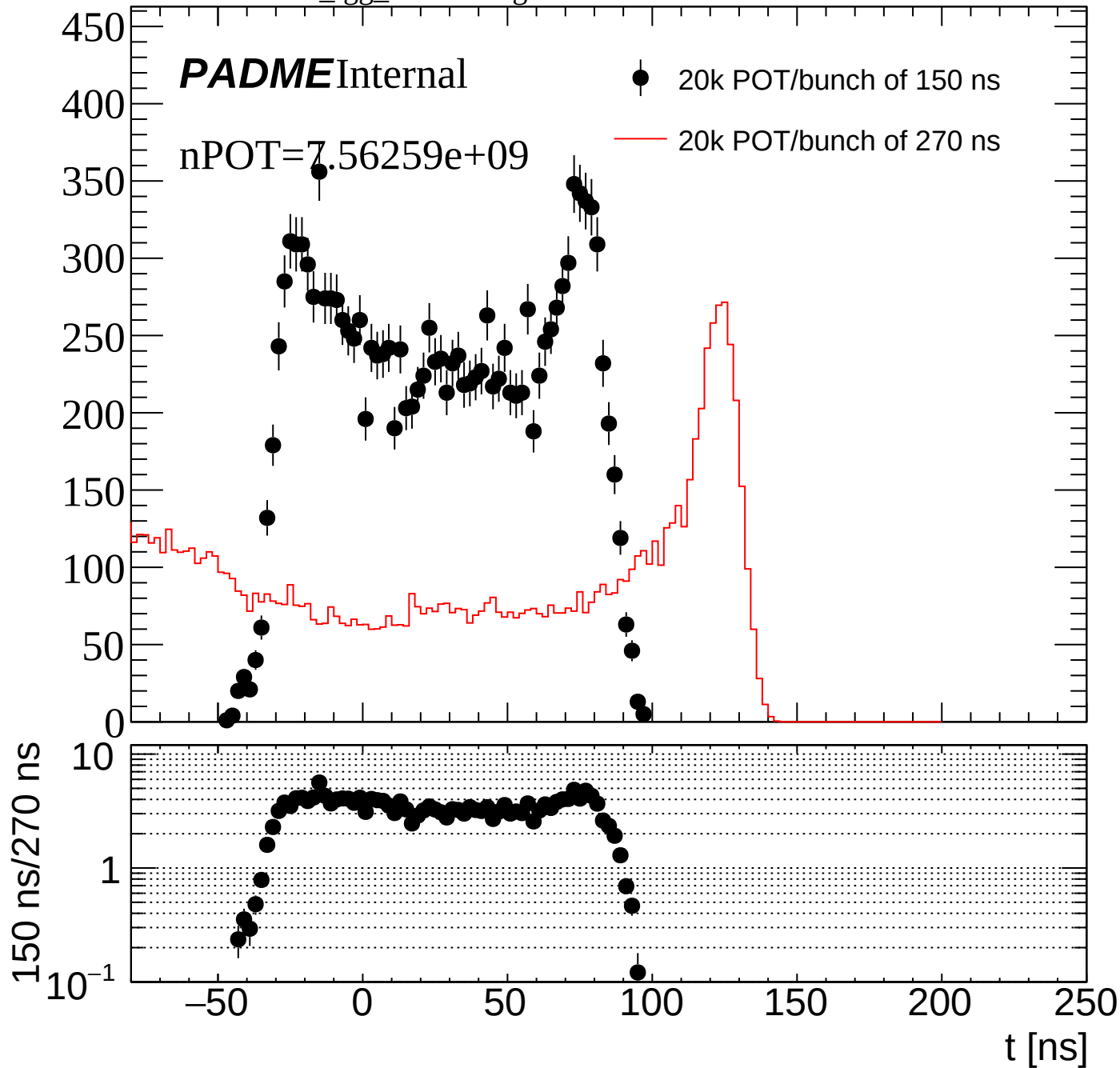


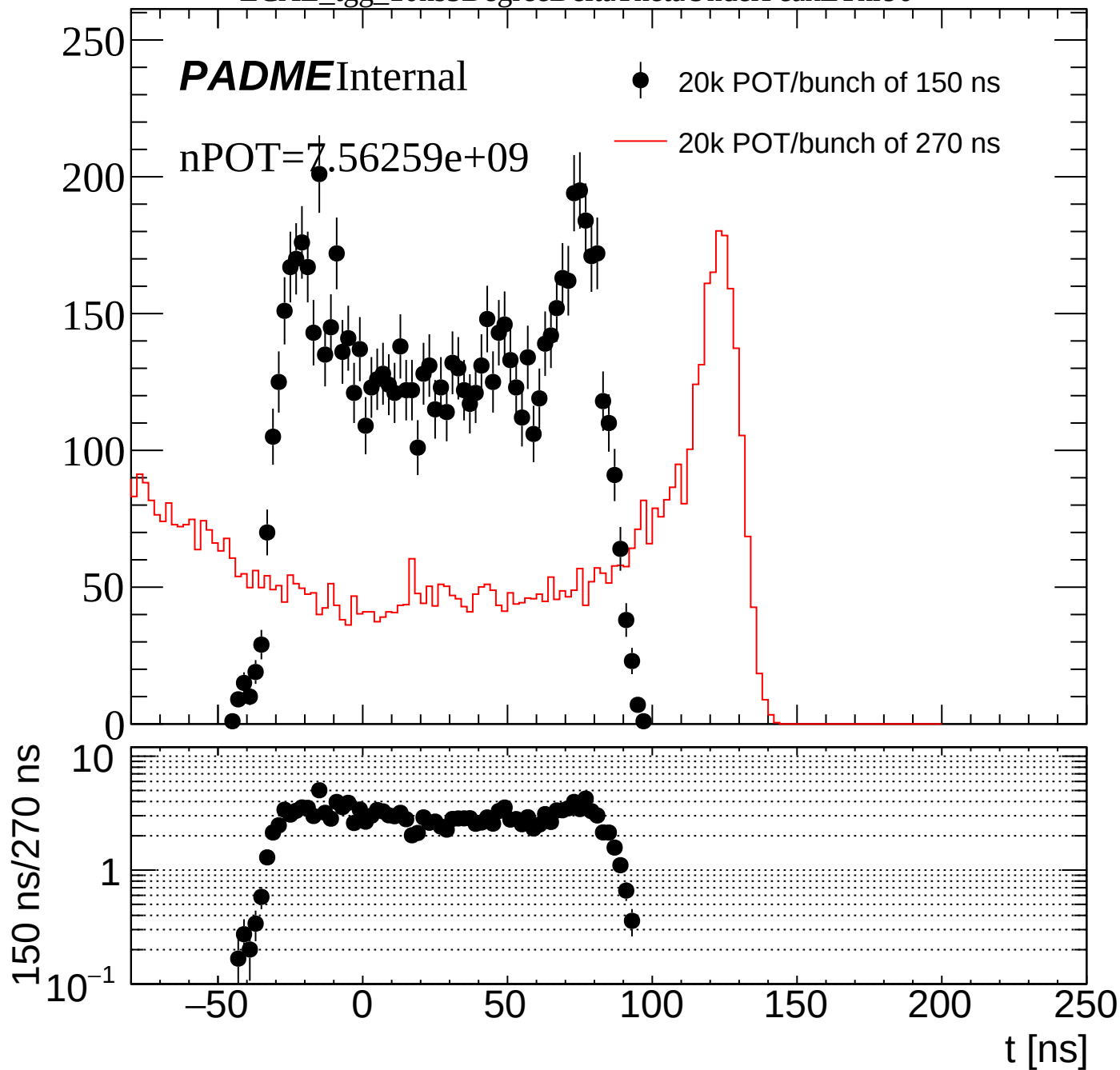


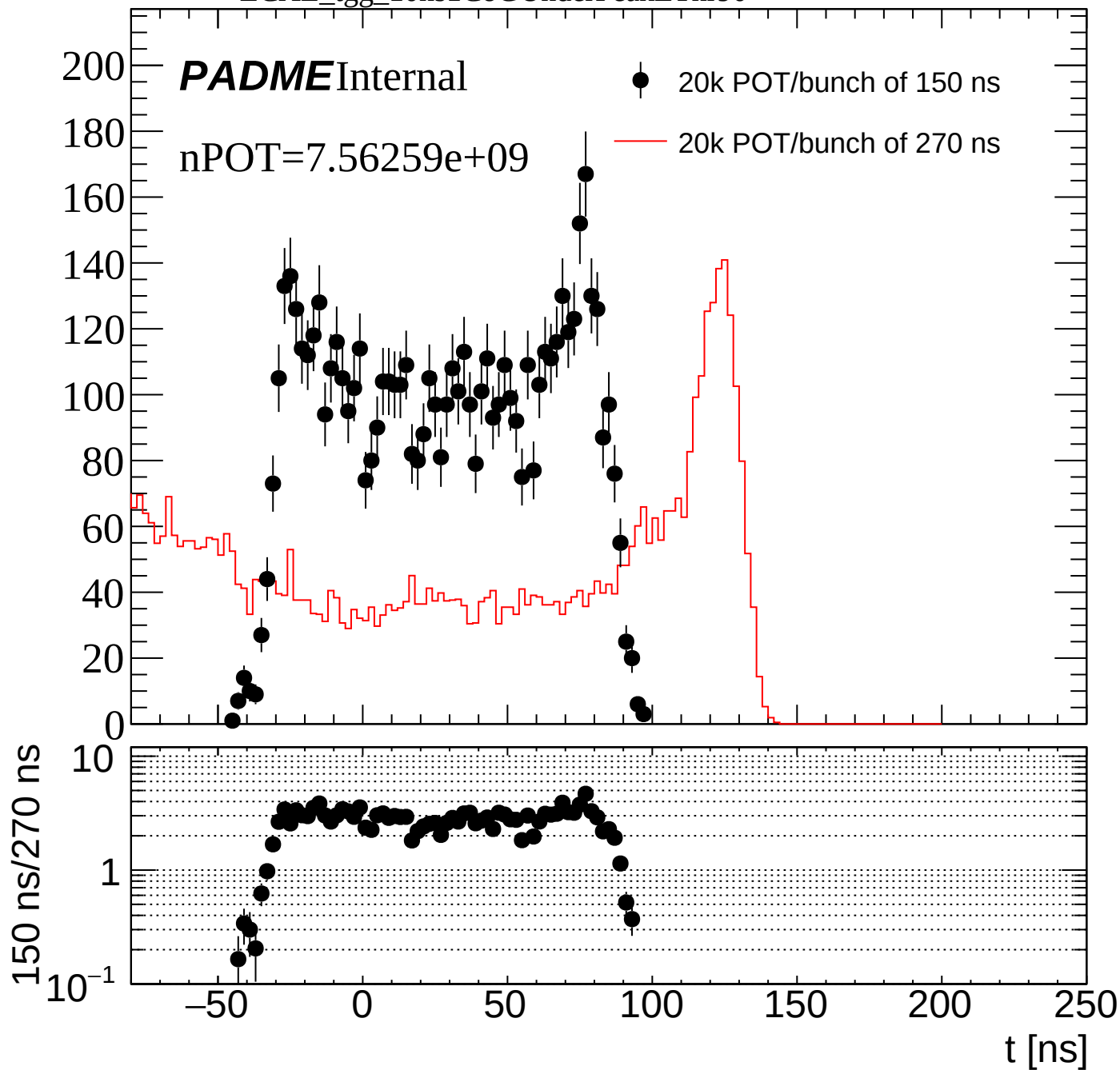
ECal_ClusterTime



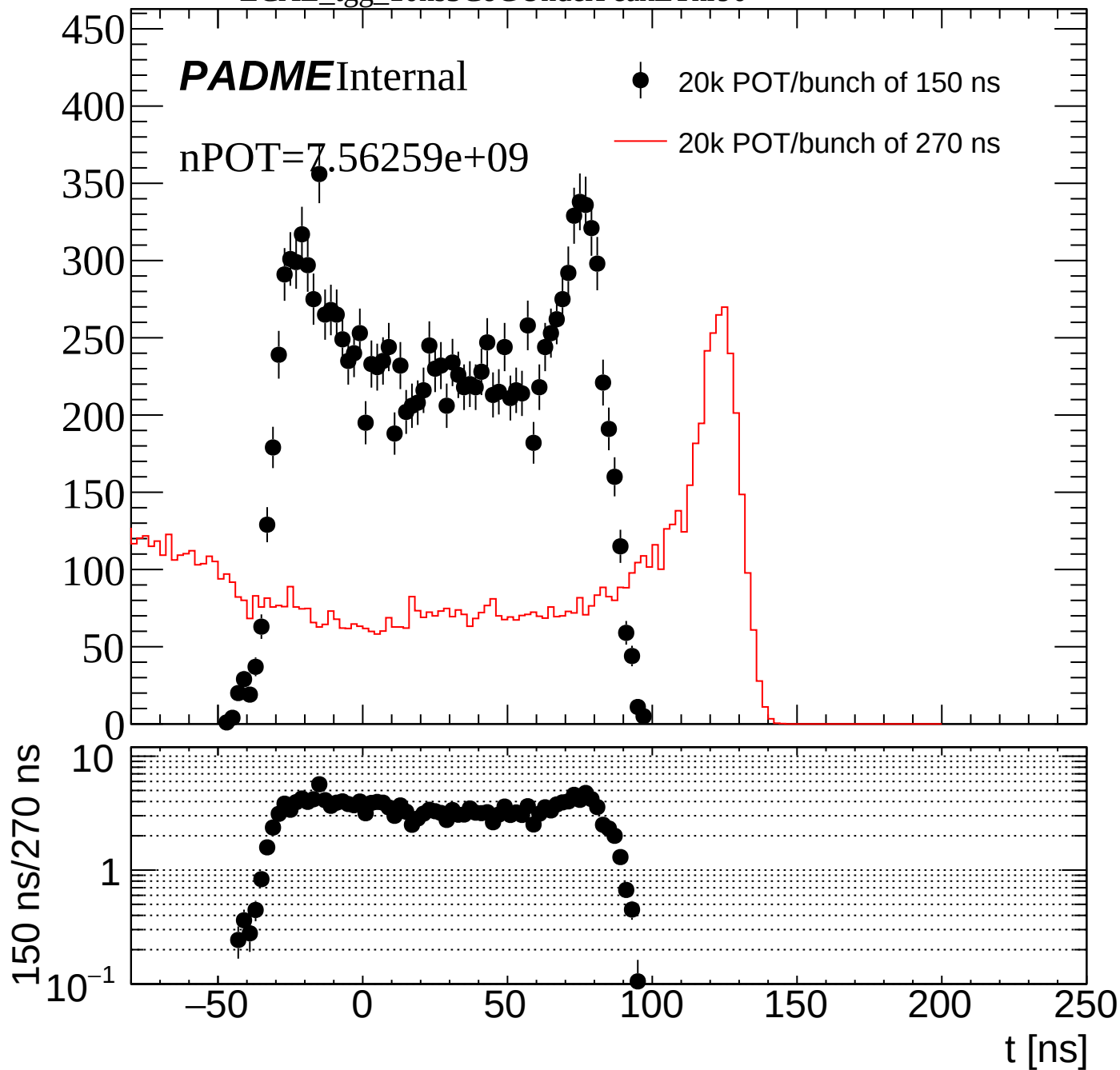
ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90



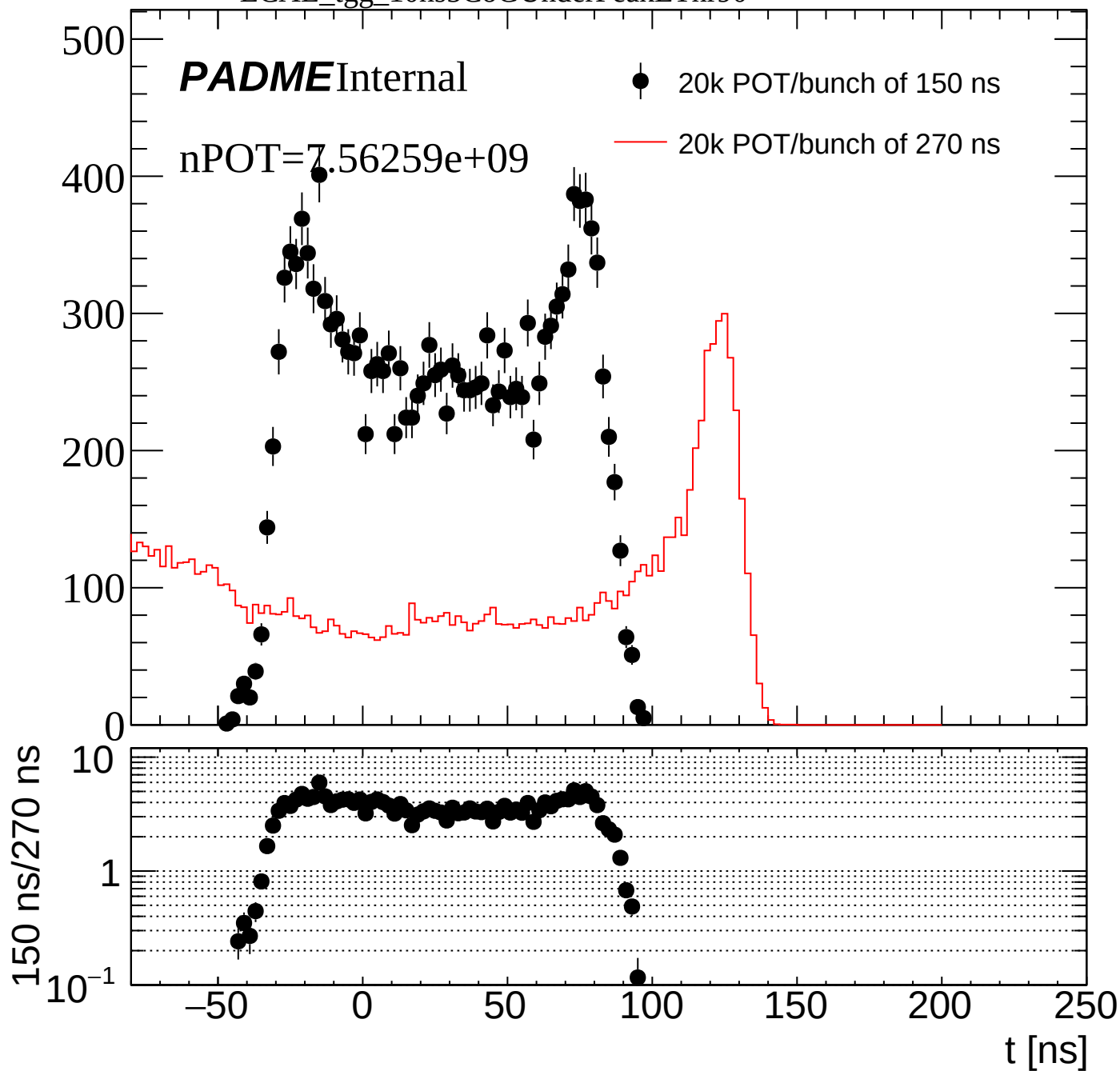




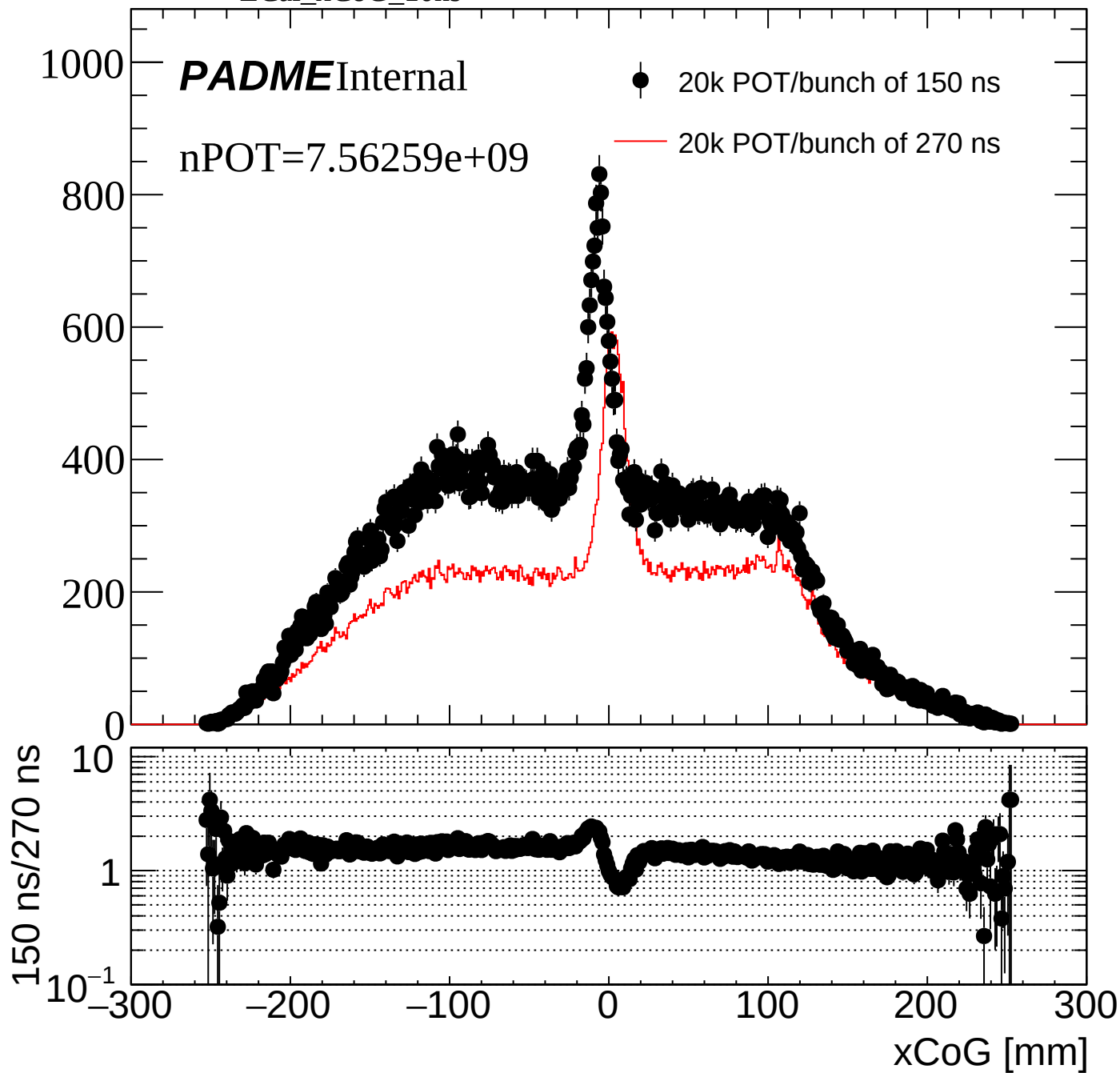
ECAL_tgg_10ns3CoGUnderPeakEThr90



ECAL_tgg_10ns5CoGUnderPeakEThr90



ECal_xCoG_10ns



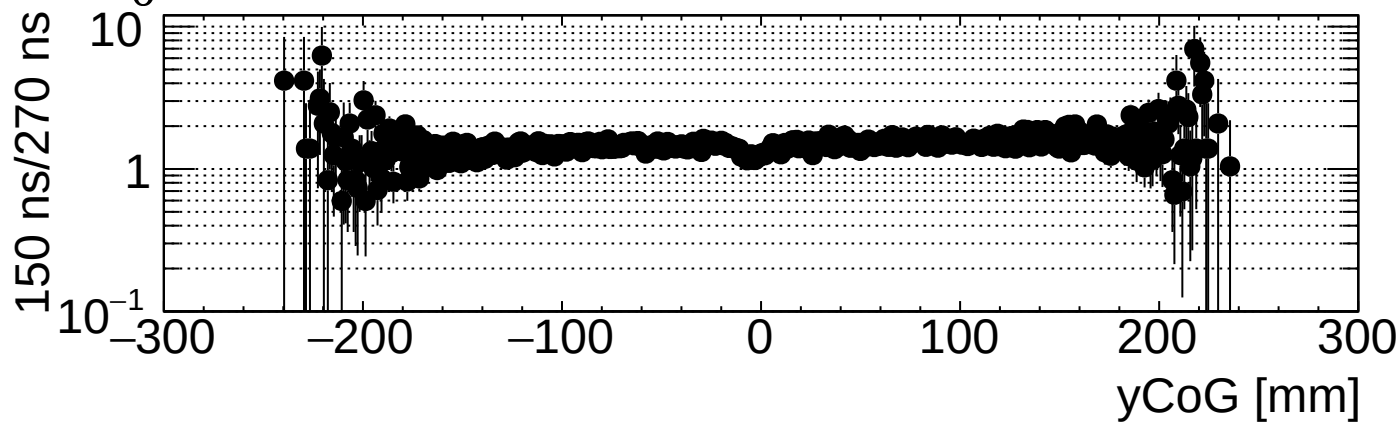
ECal_yCoG_10ns

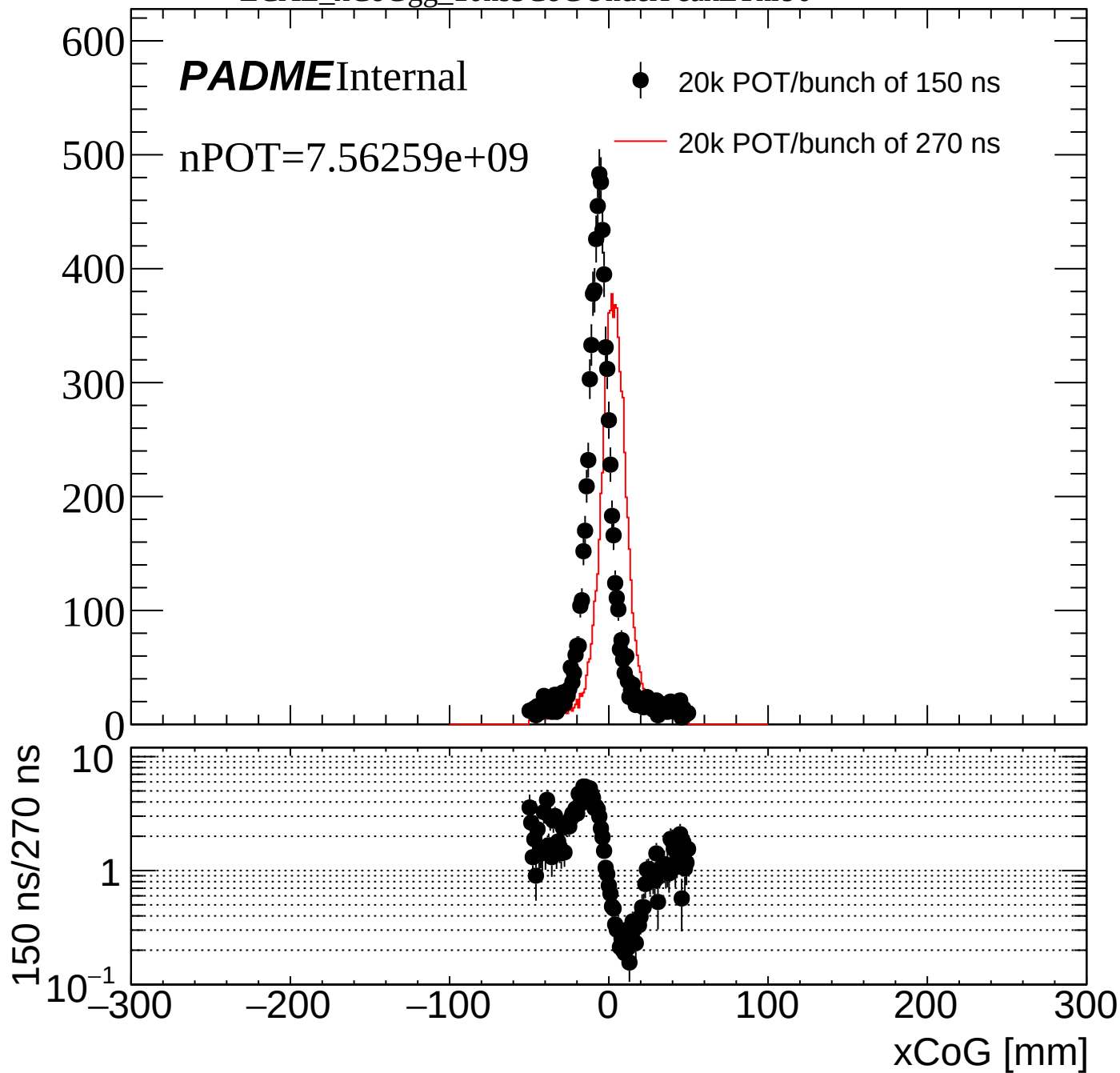
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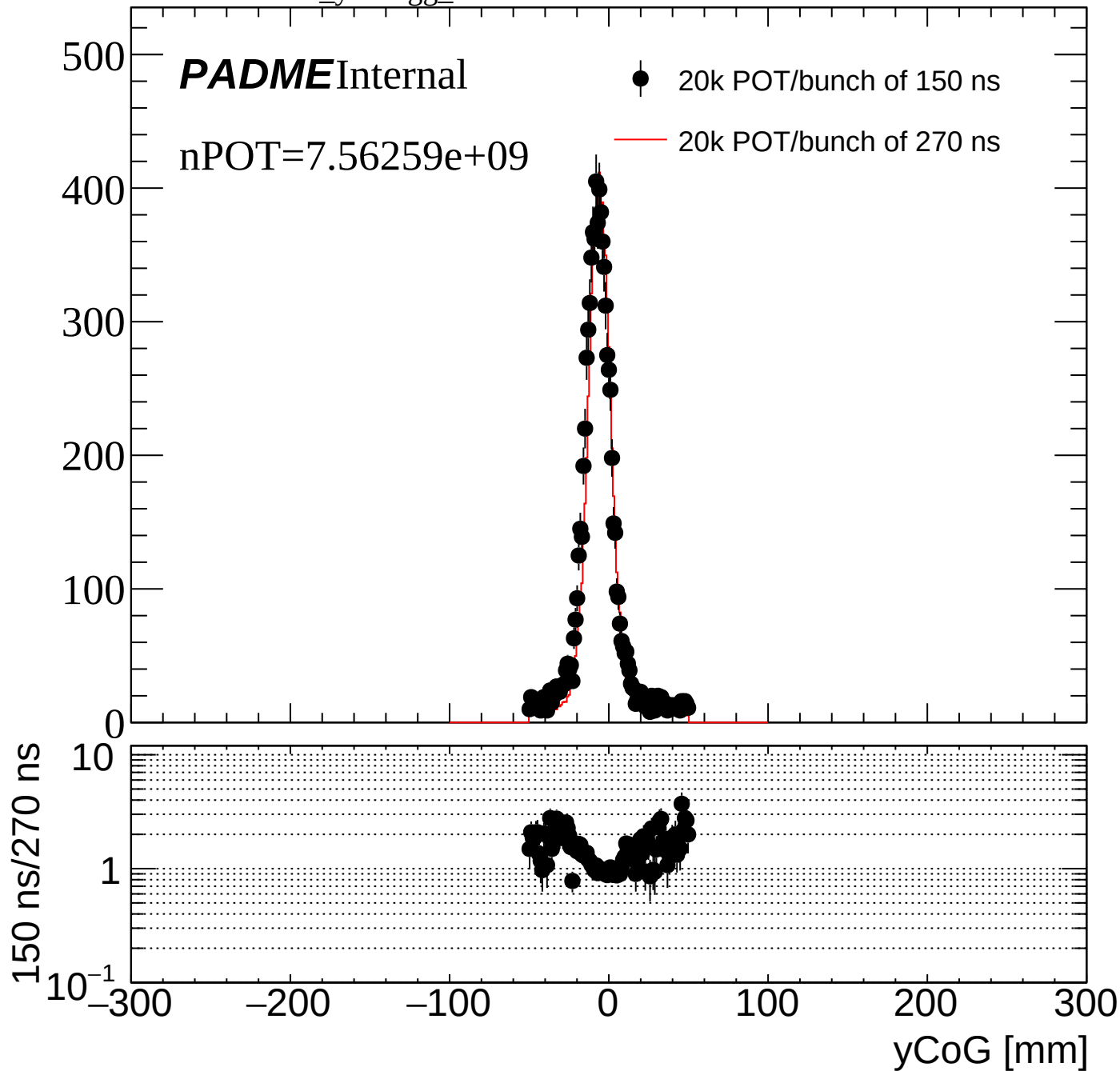
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

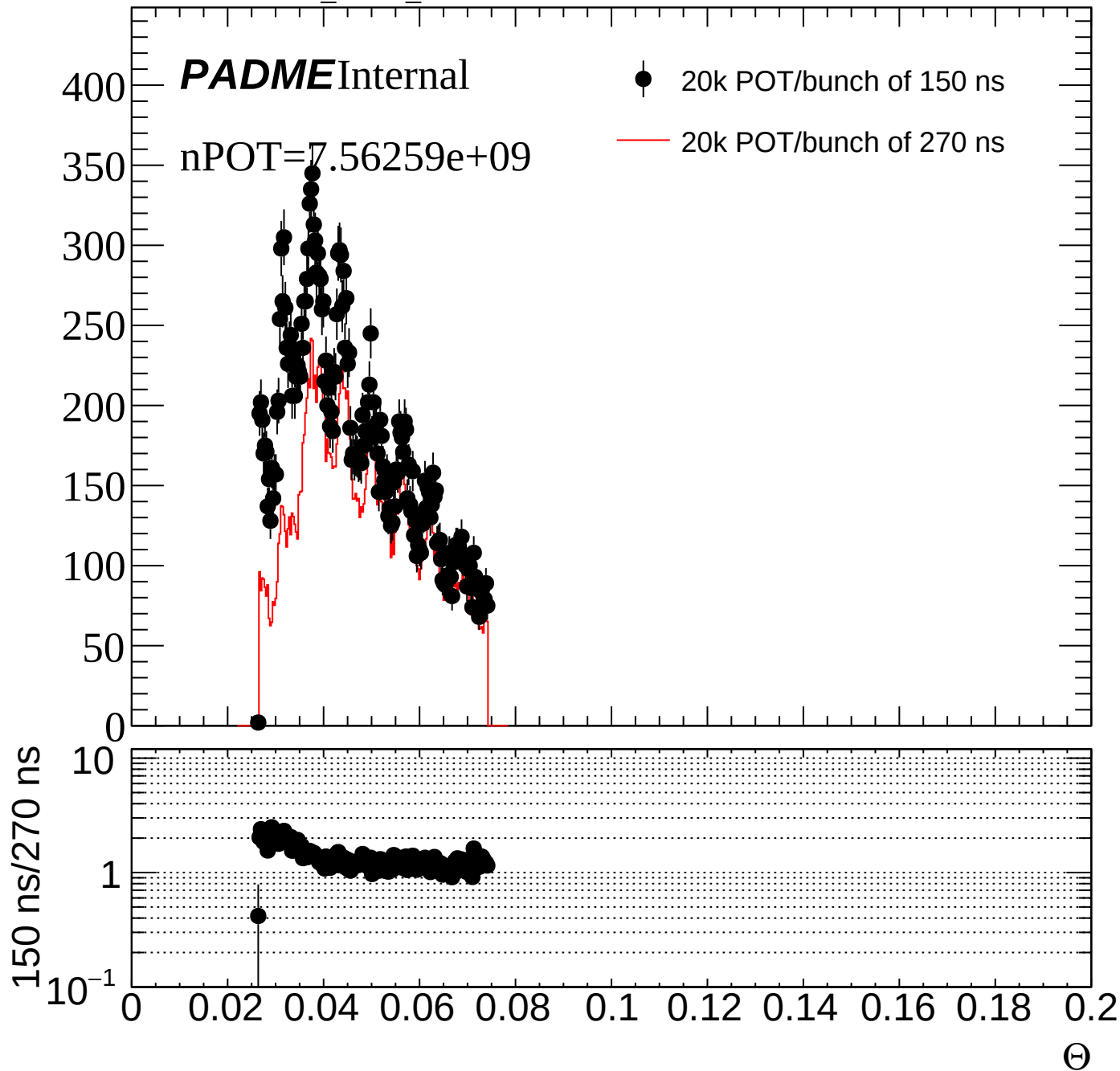
— 20k POT/bunch of 270 ns

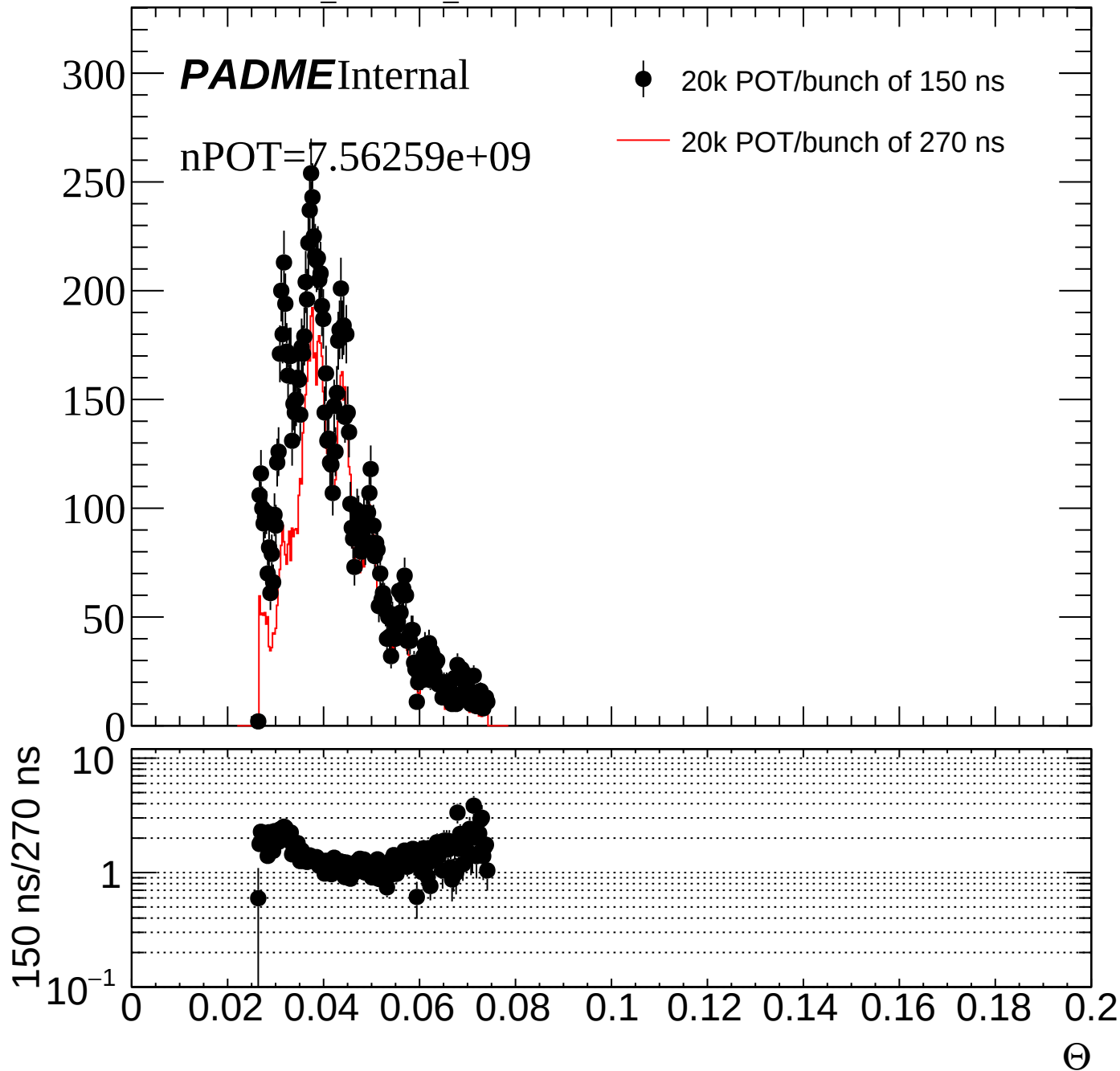


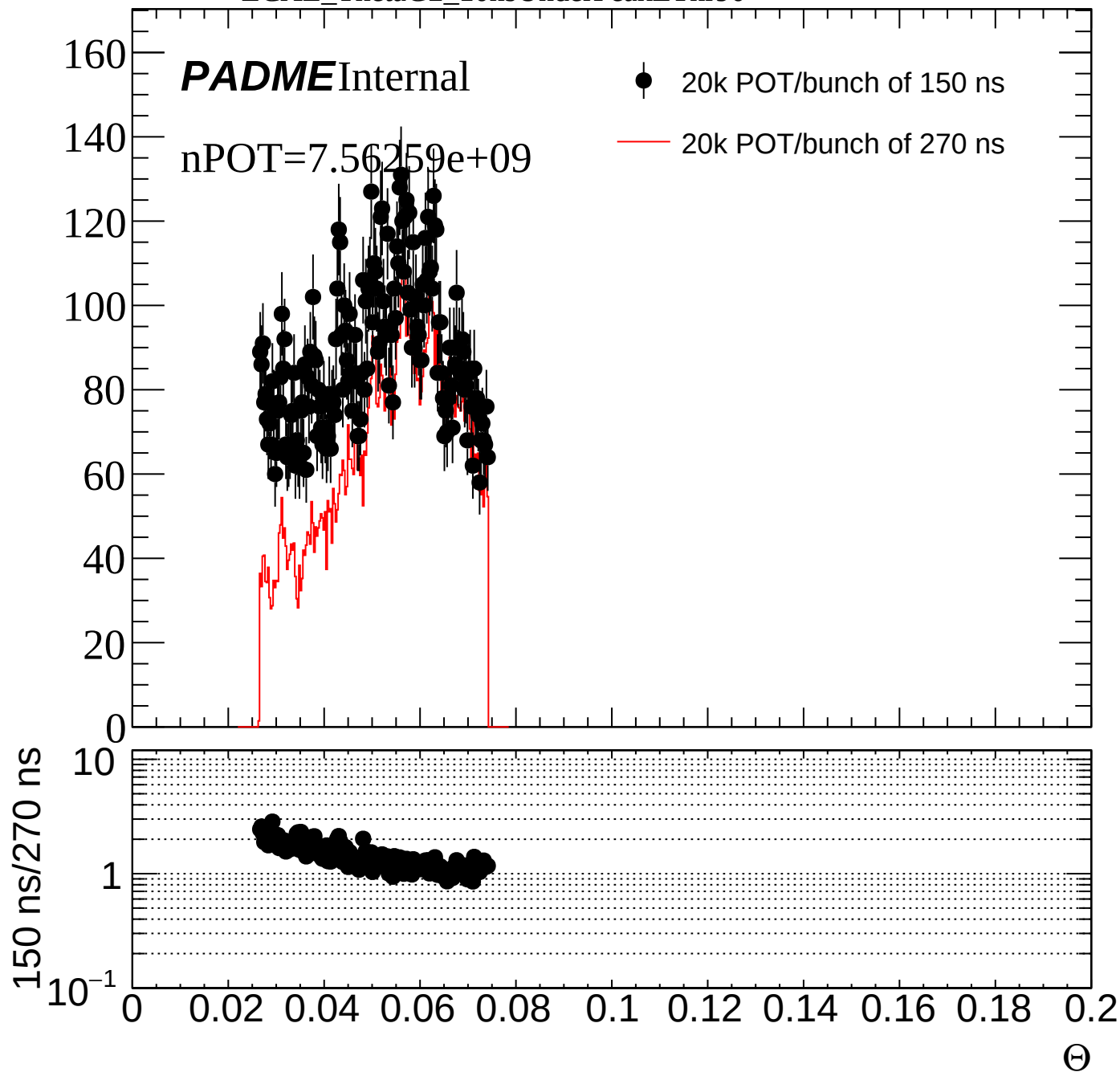




ECAL_Theta_10nsUnderPeakEThr90







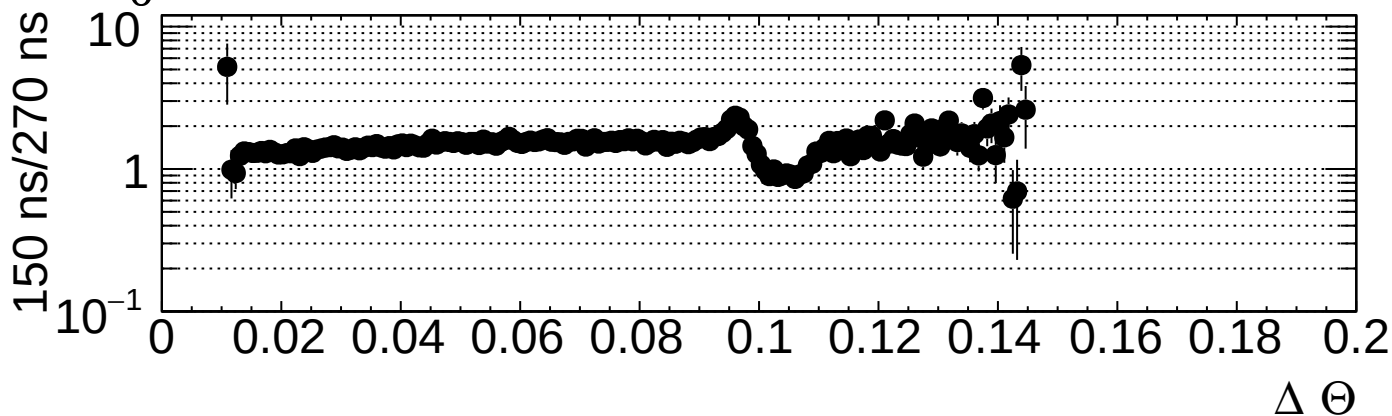
ECAL_DeltaTheta_10ns

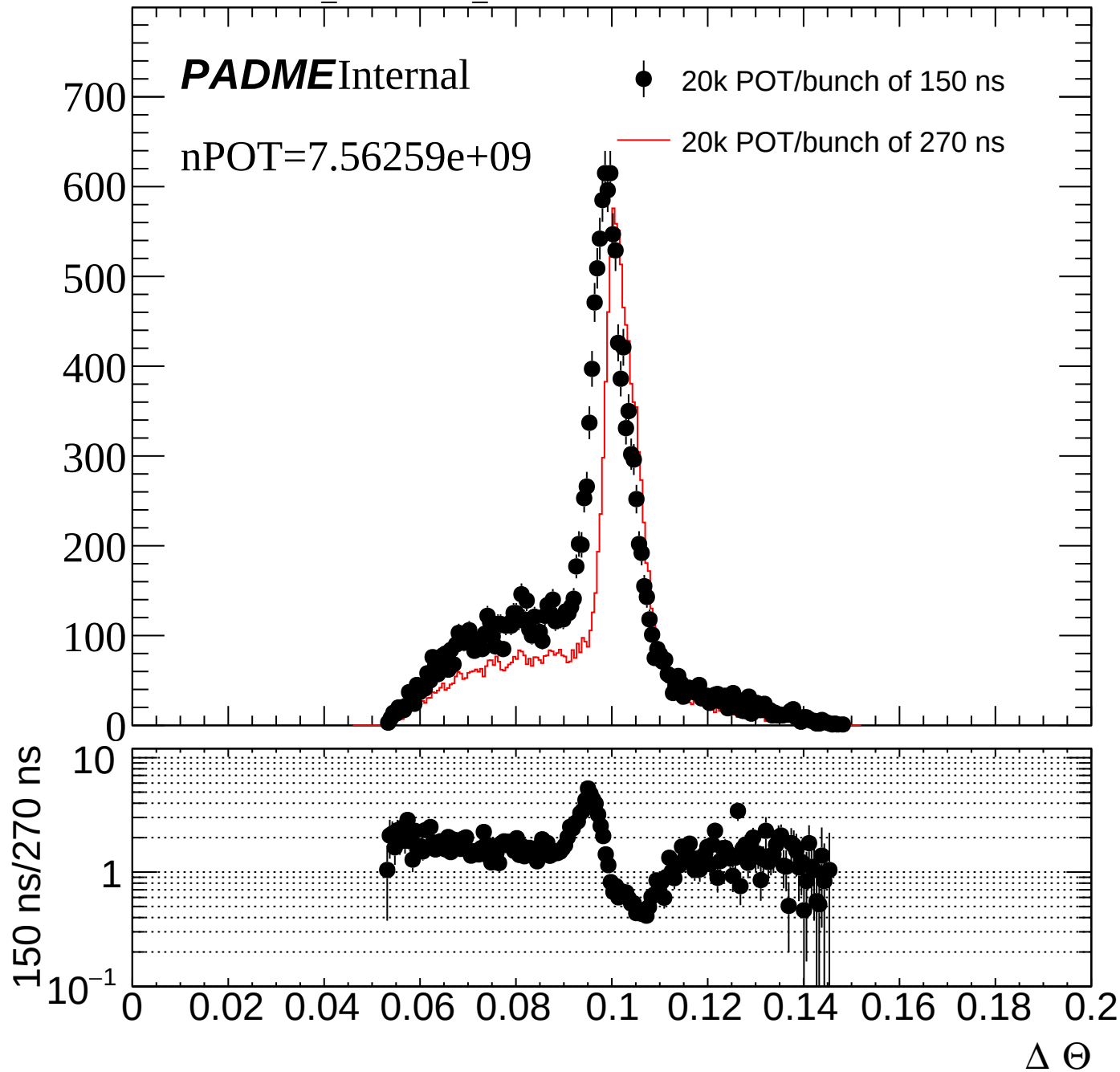
PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





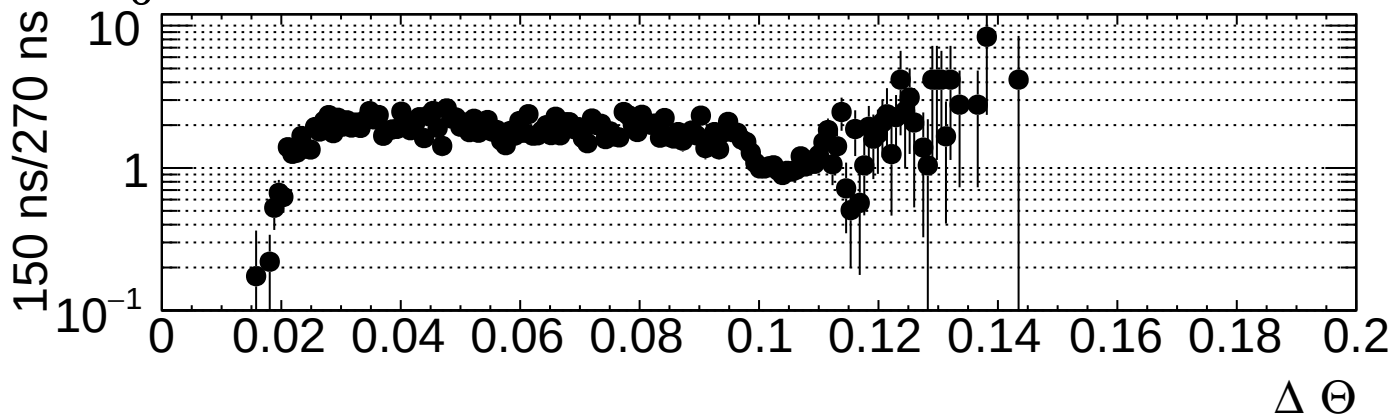
ECAL_DeltaTheta_10nsUnderPeakEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



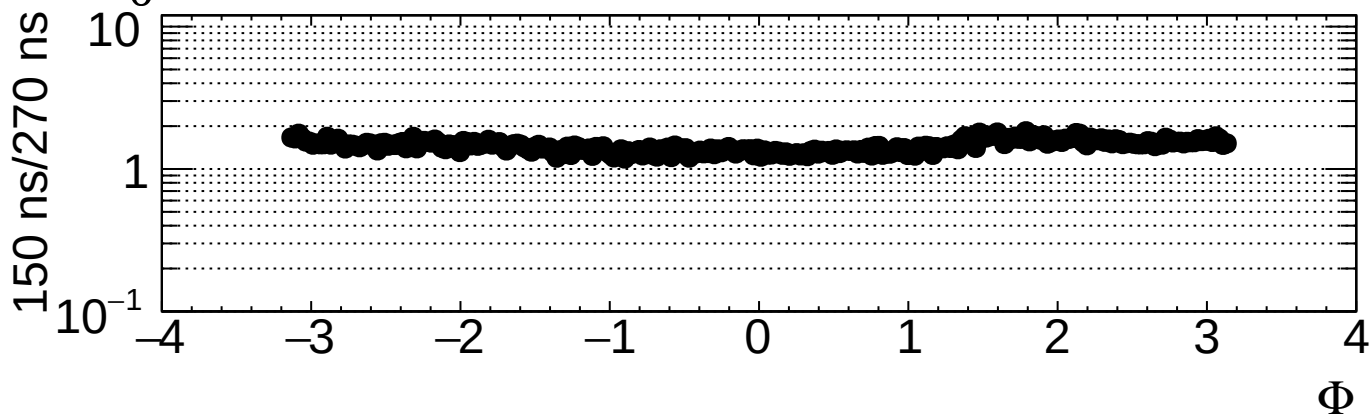
ECAL_Phi_10ns

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



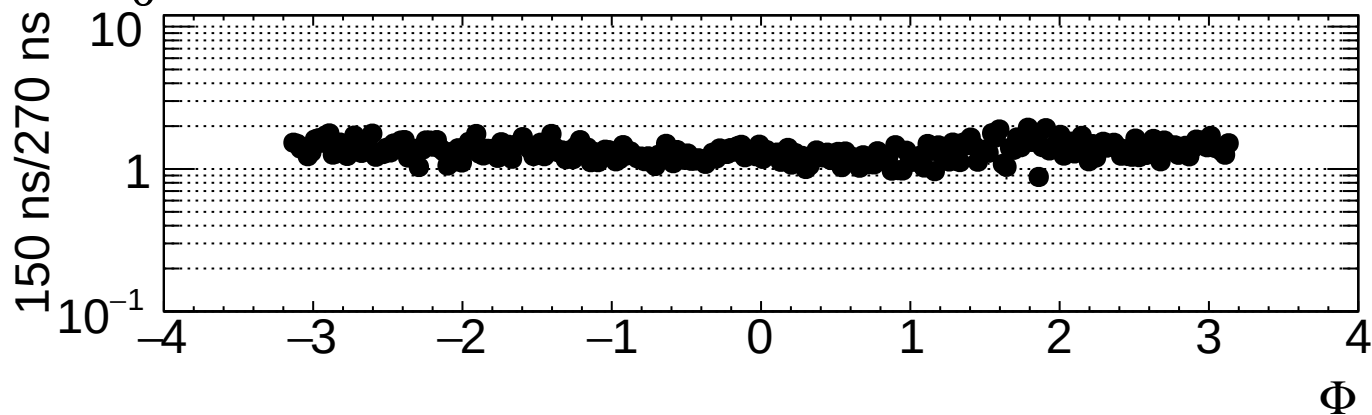
ECAL_Phi_10nsUnderPeakEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



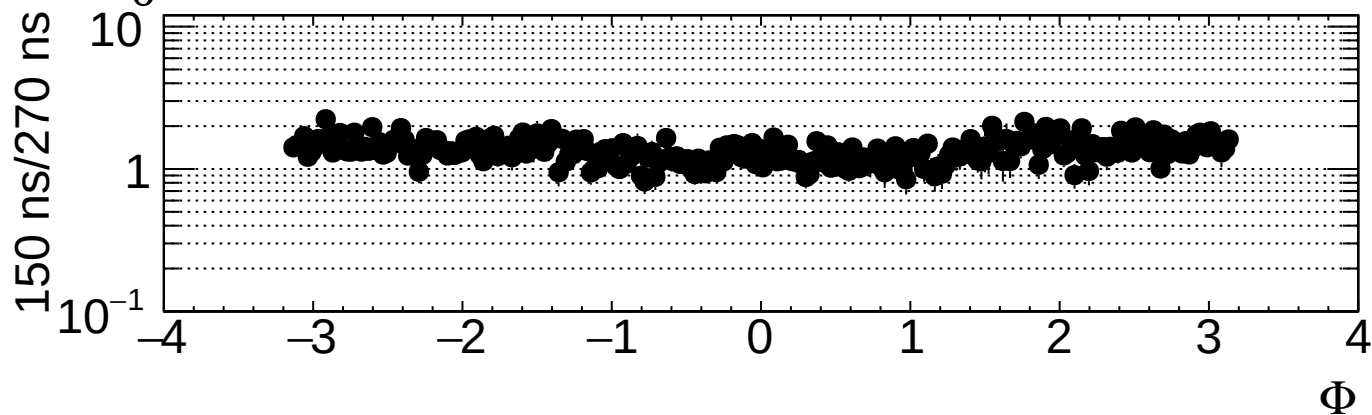
ECAL_PhiG1_10nsUnderPeakEThr90

PADMEInternal

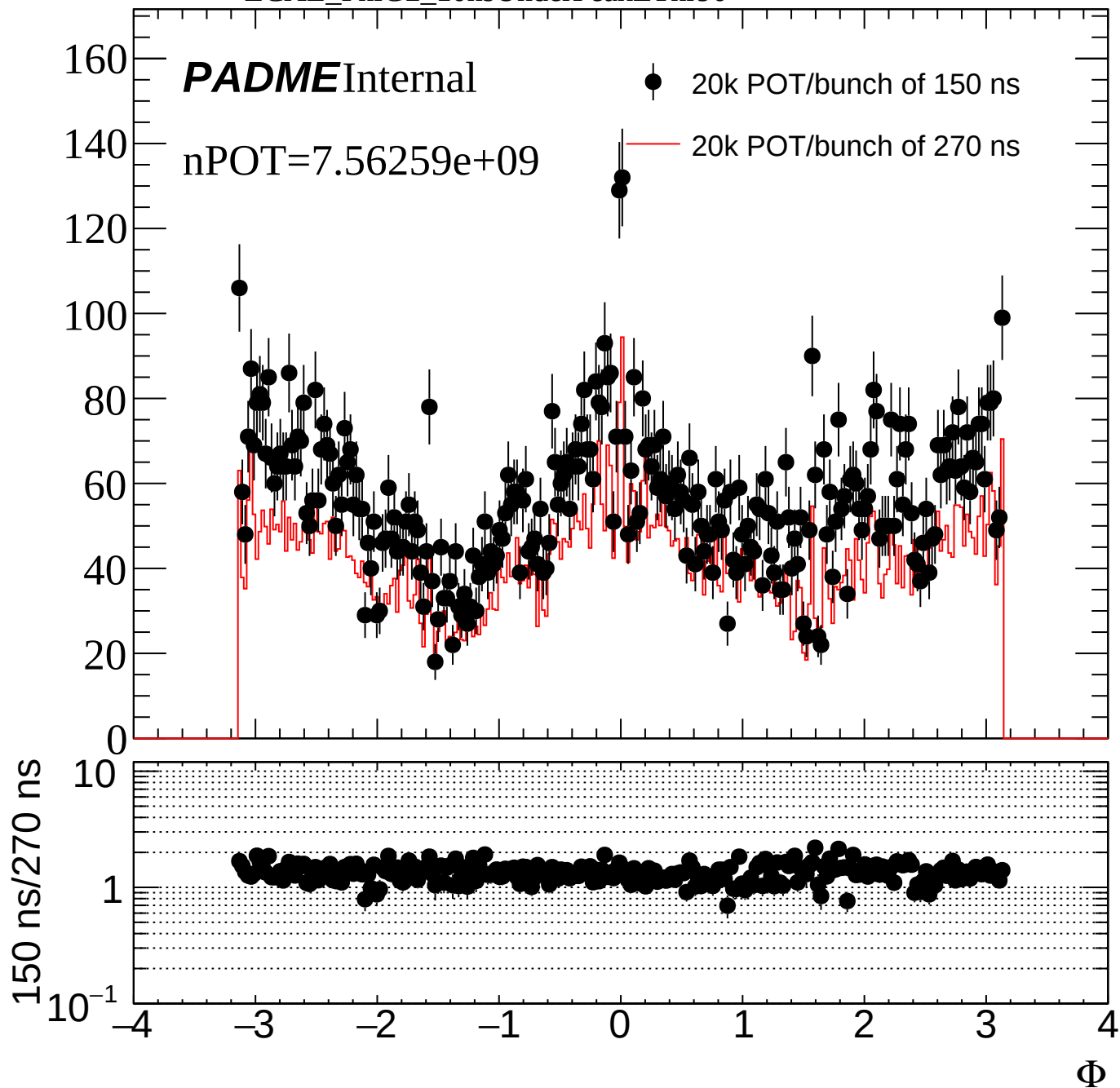
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_PhiG2_10nsUnderPeakEThr90



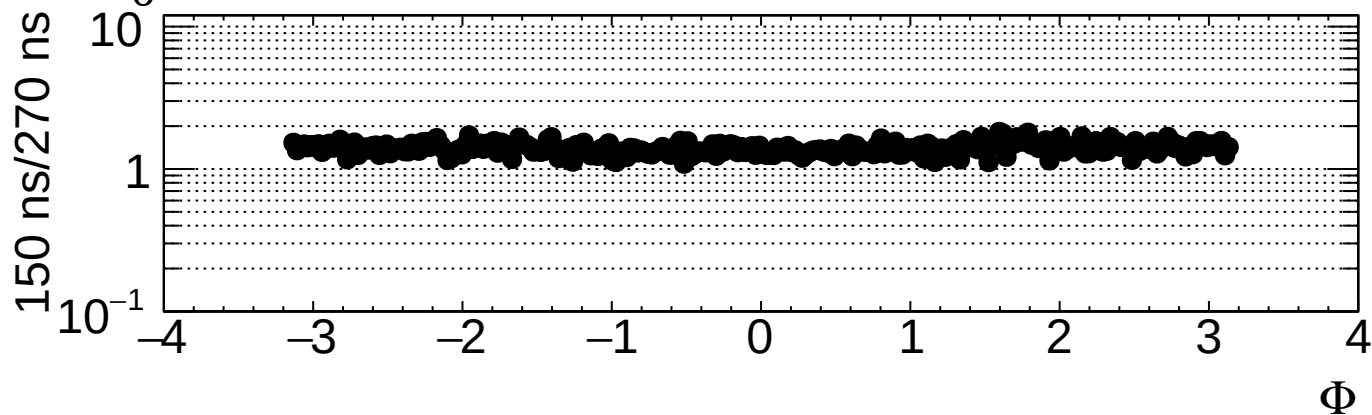
ECAL_Phi_10nsDeltaTheta

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



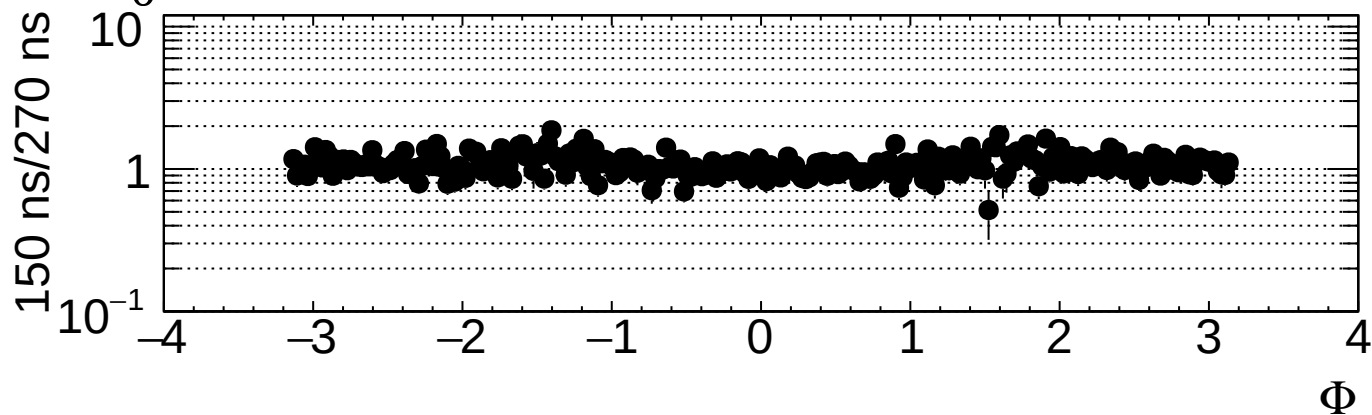
ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



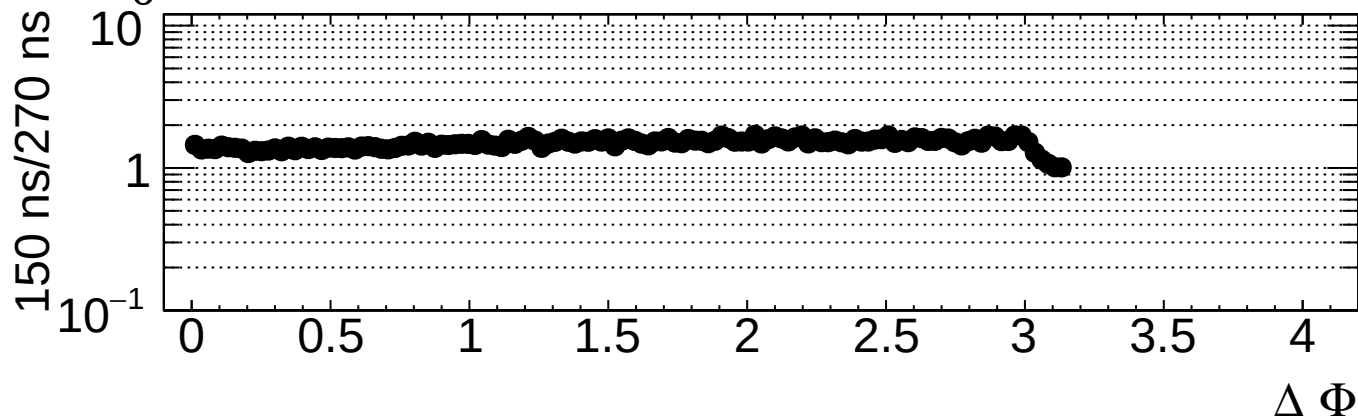
ECAL_DeltaPhi_10ns

PADMEInternal

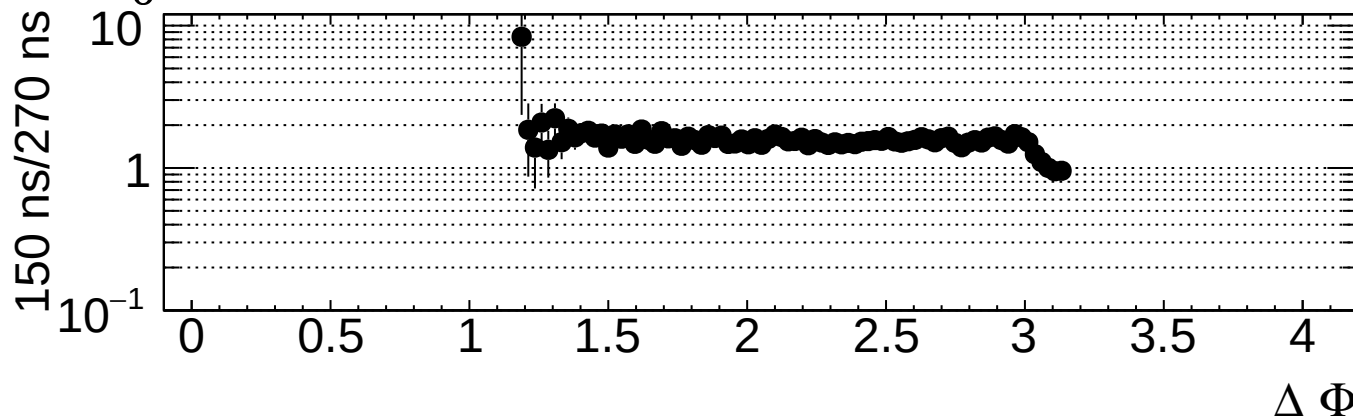
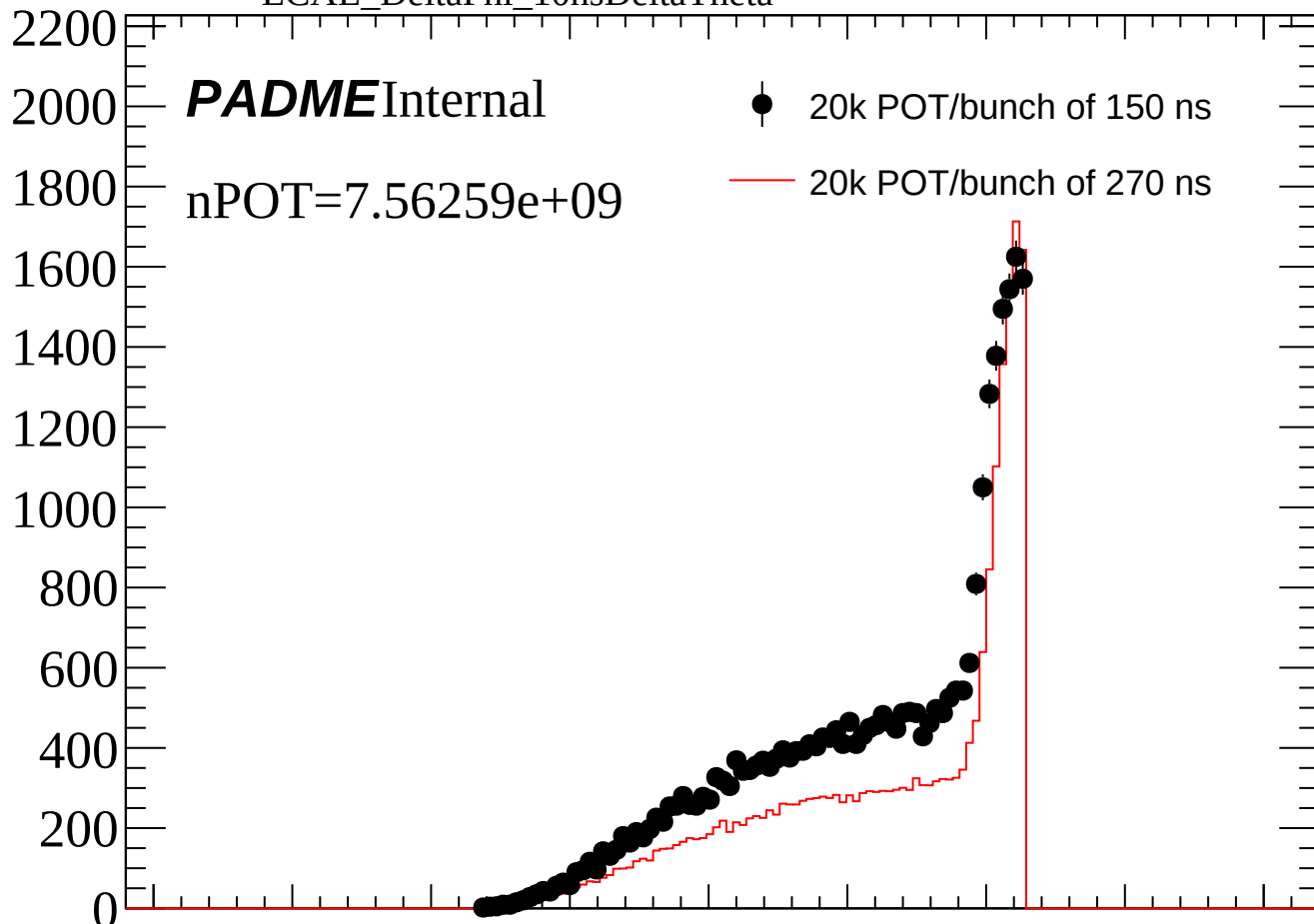
nPOT=7.56259e+09

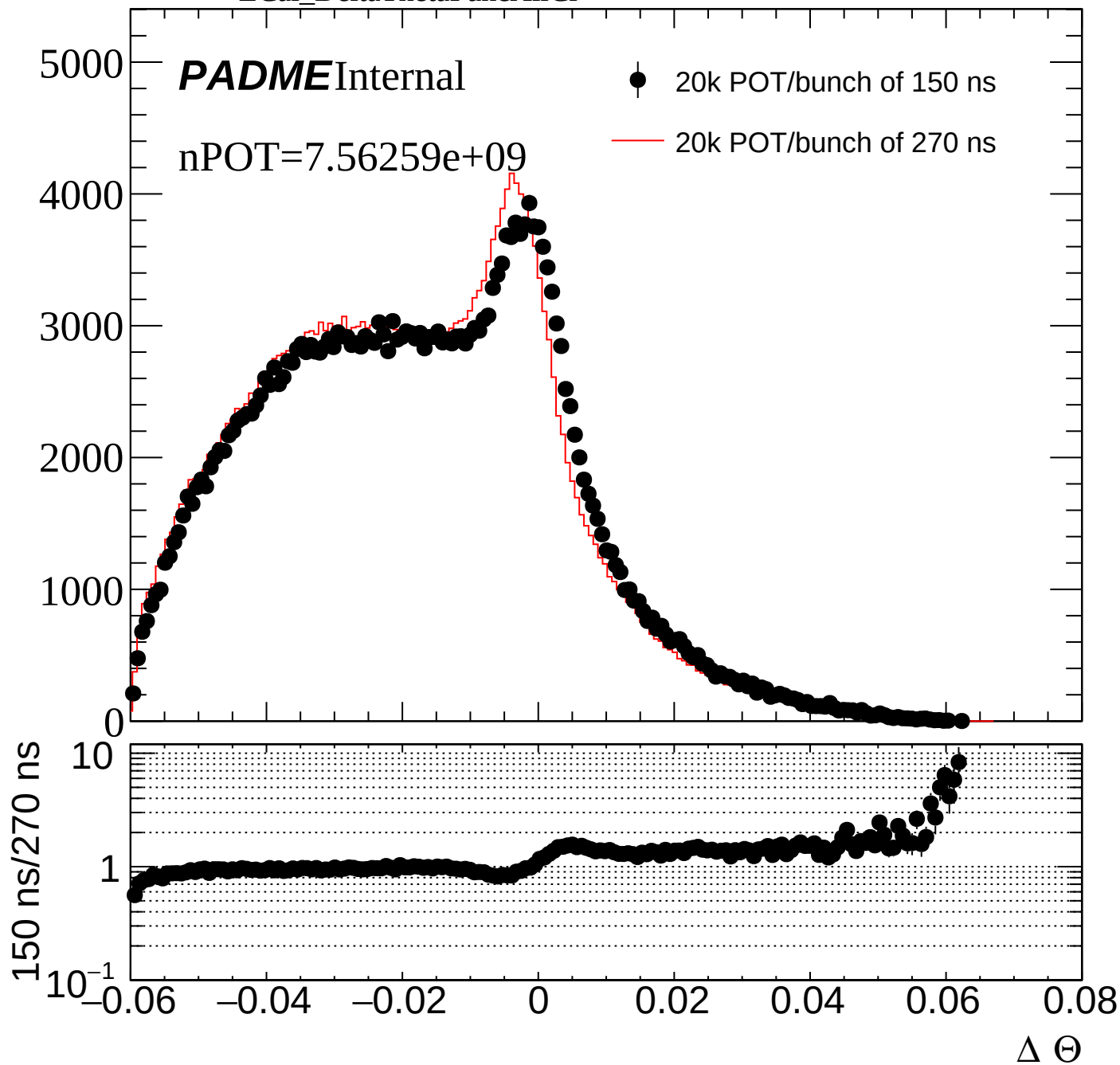
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_DeltaPhi_10nsDeltaTheta



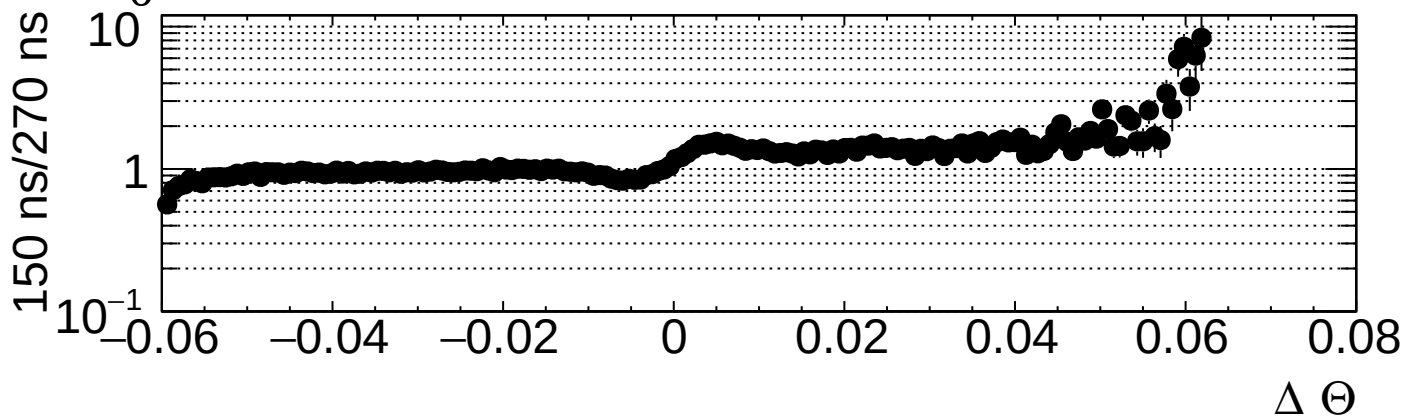


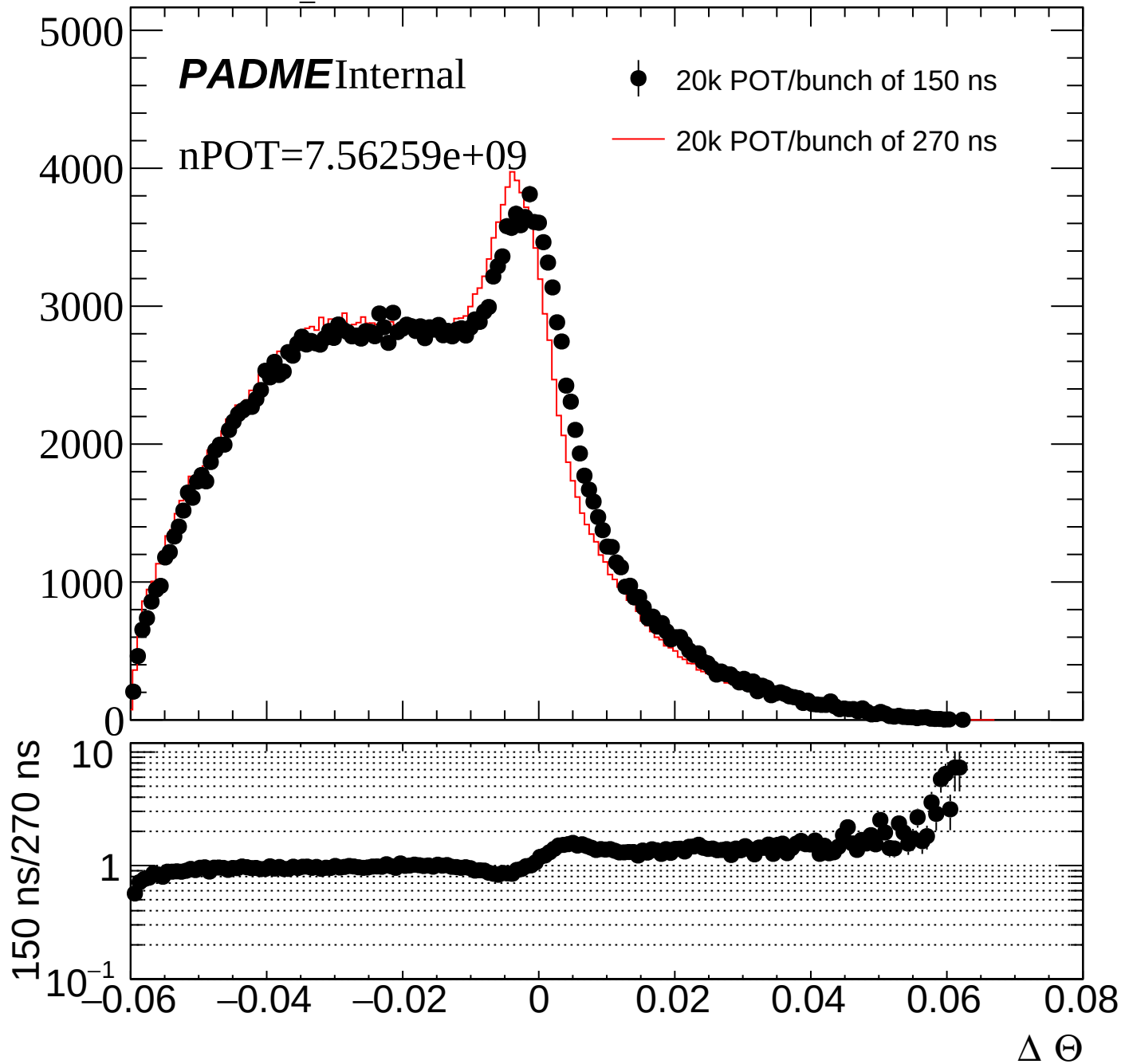
PADME Internal

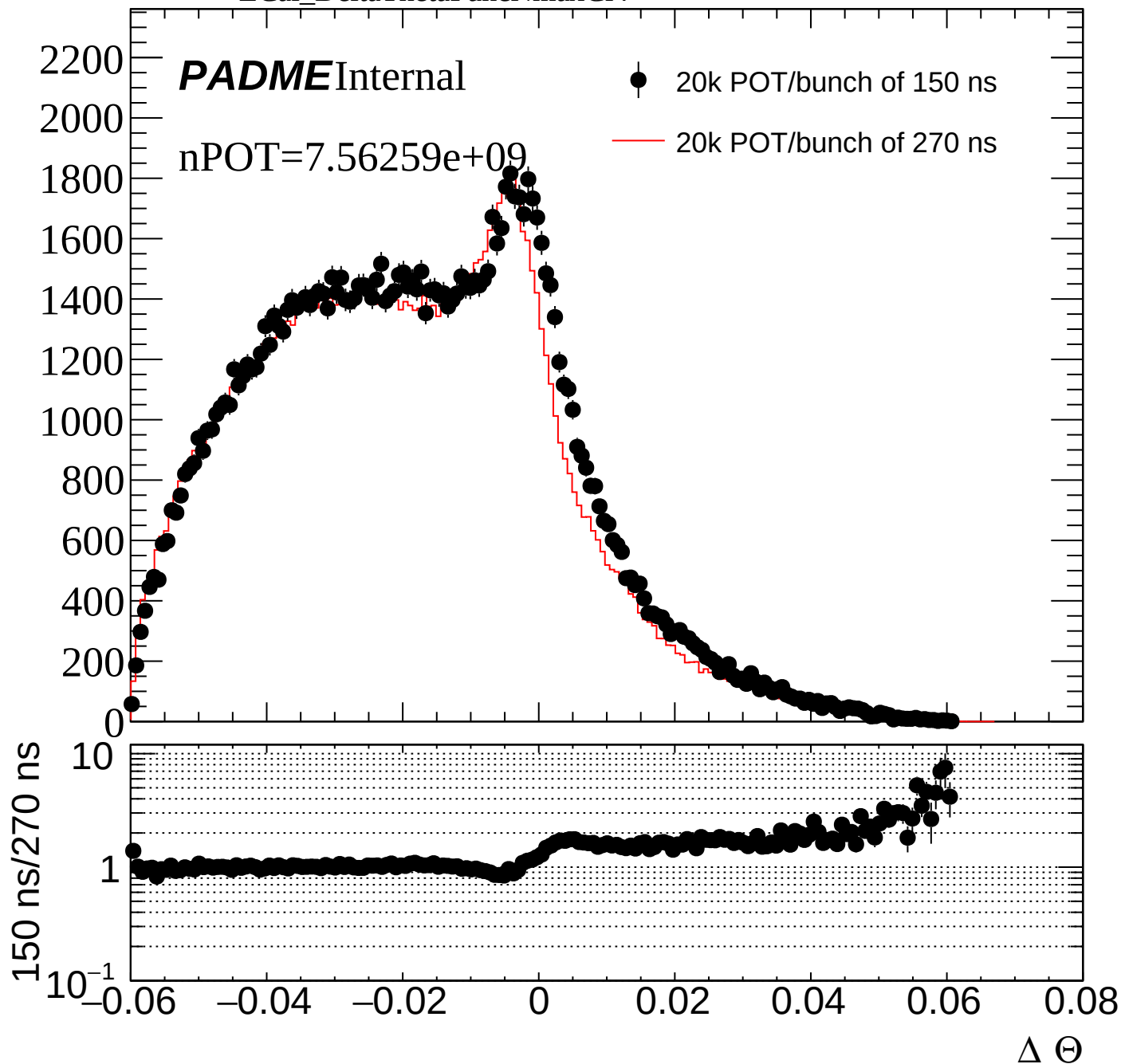
nPOT=7.56259e+09

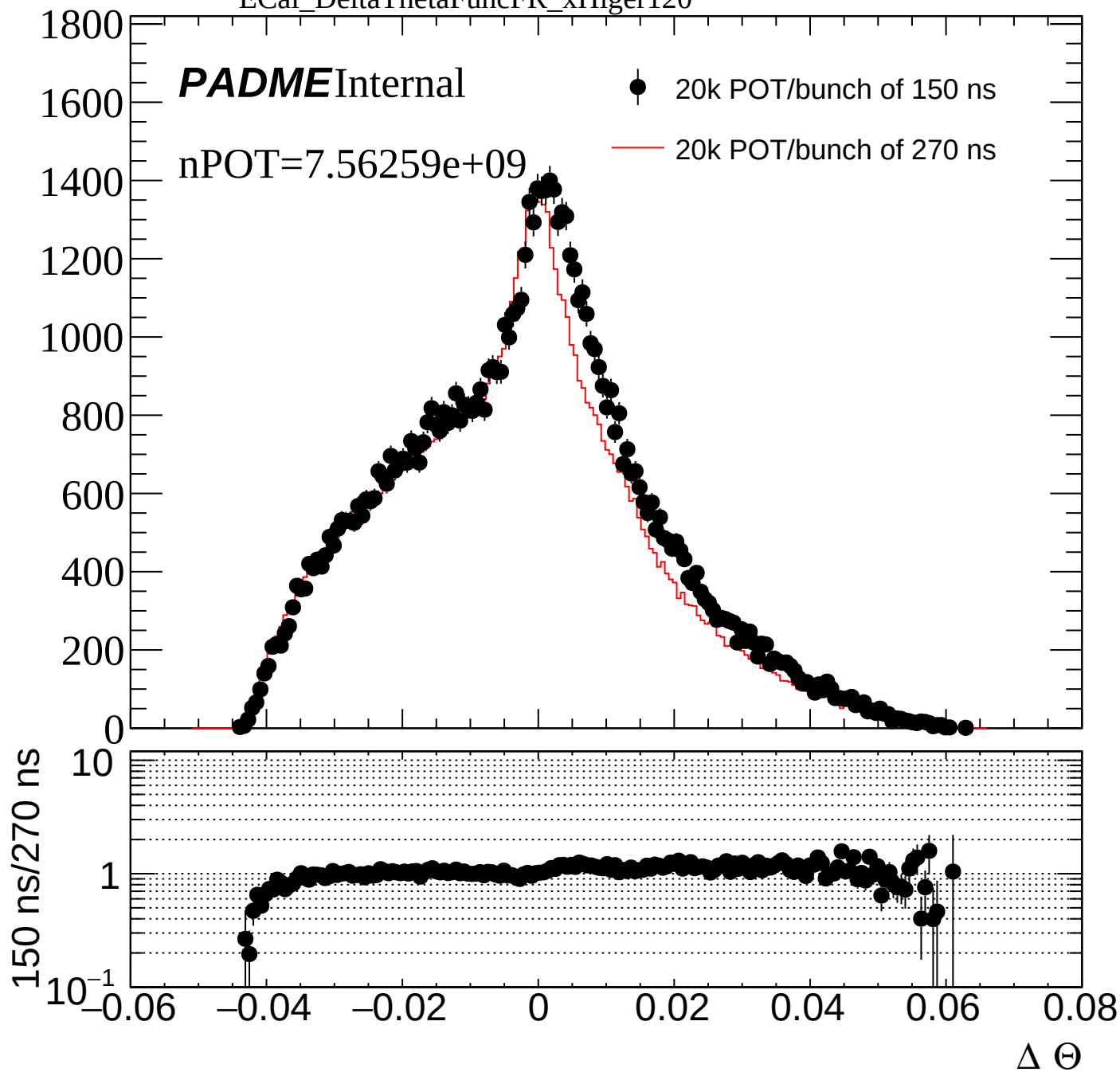
● 20k POT/bunch of 150 ns

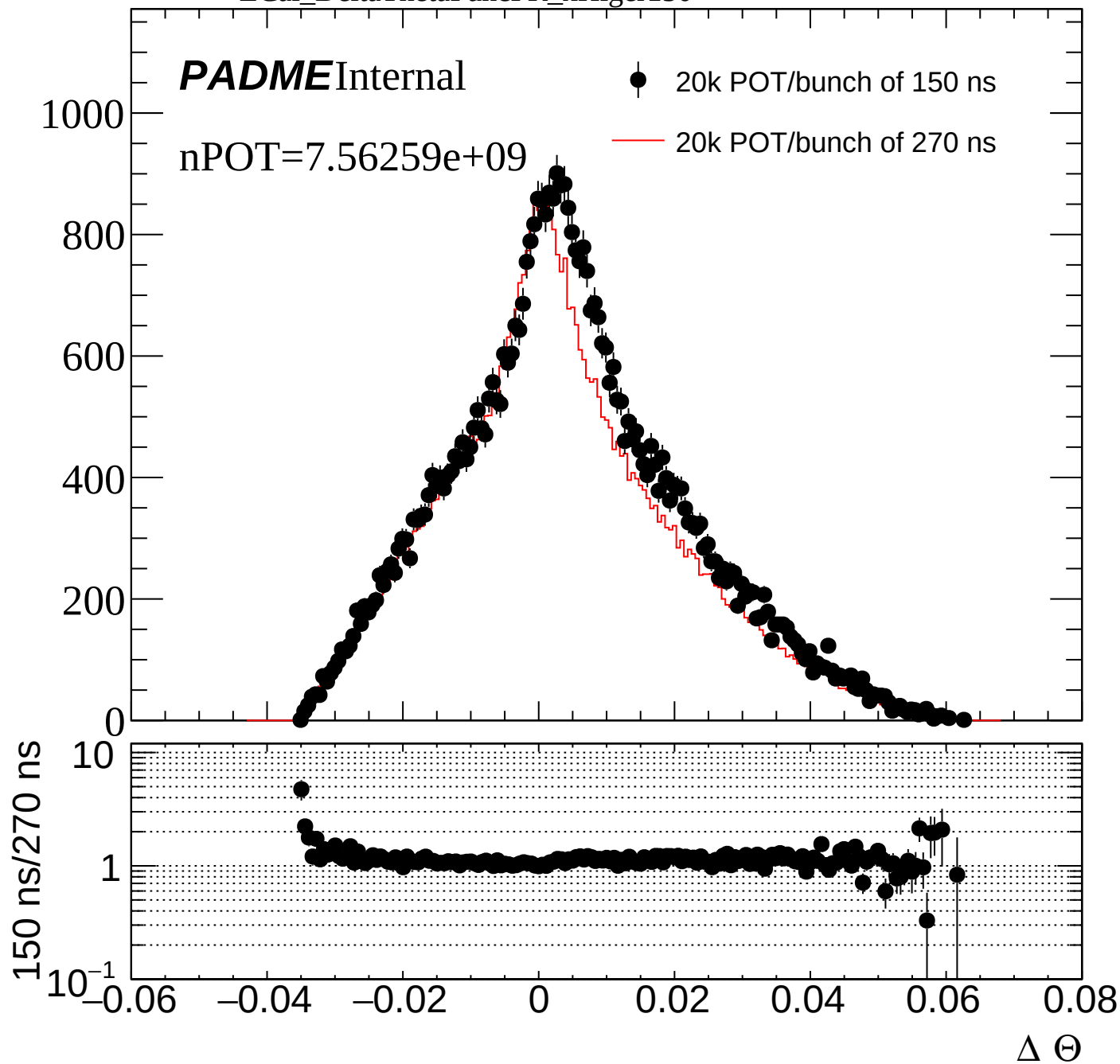
— 20k POT/bunch of 270 ns

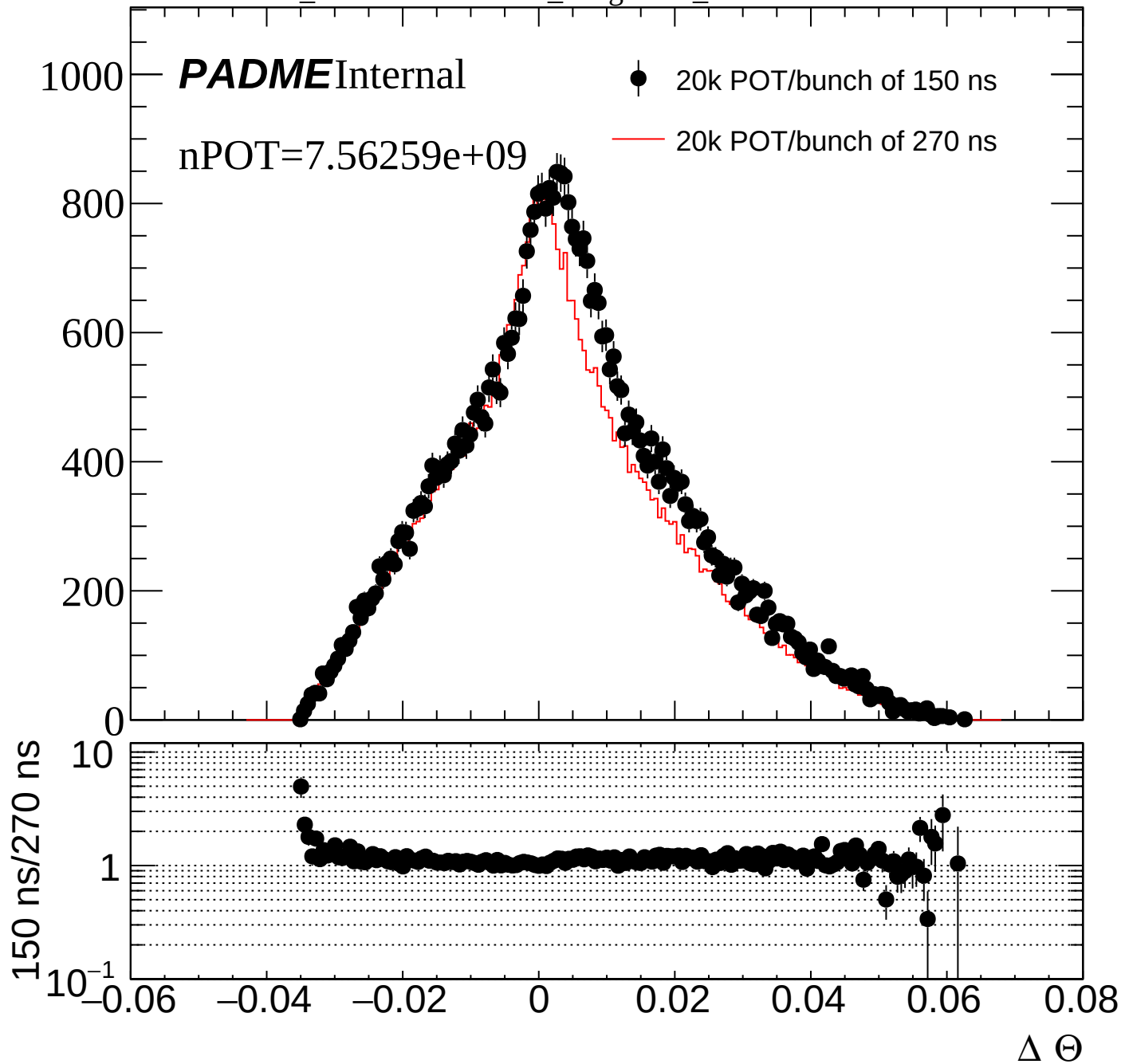


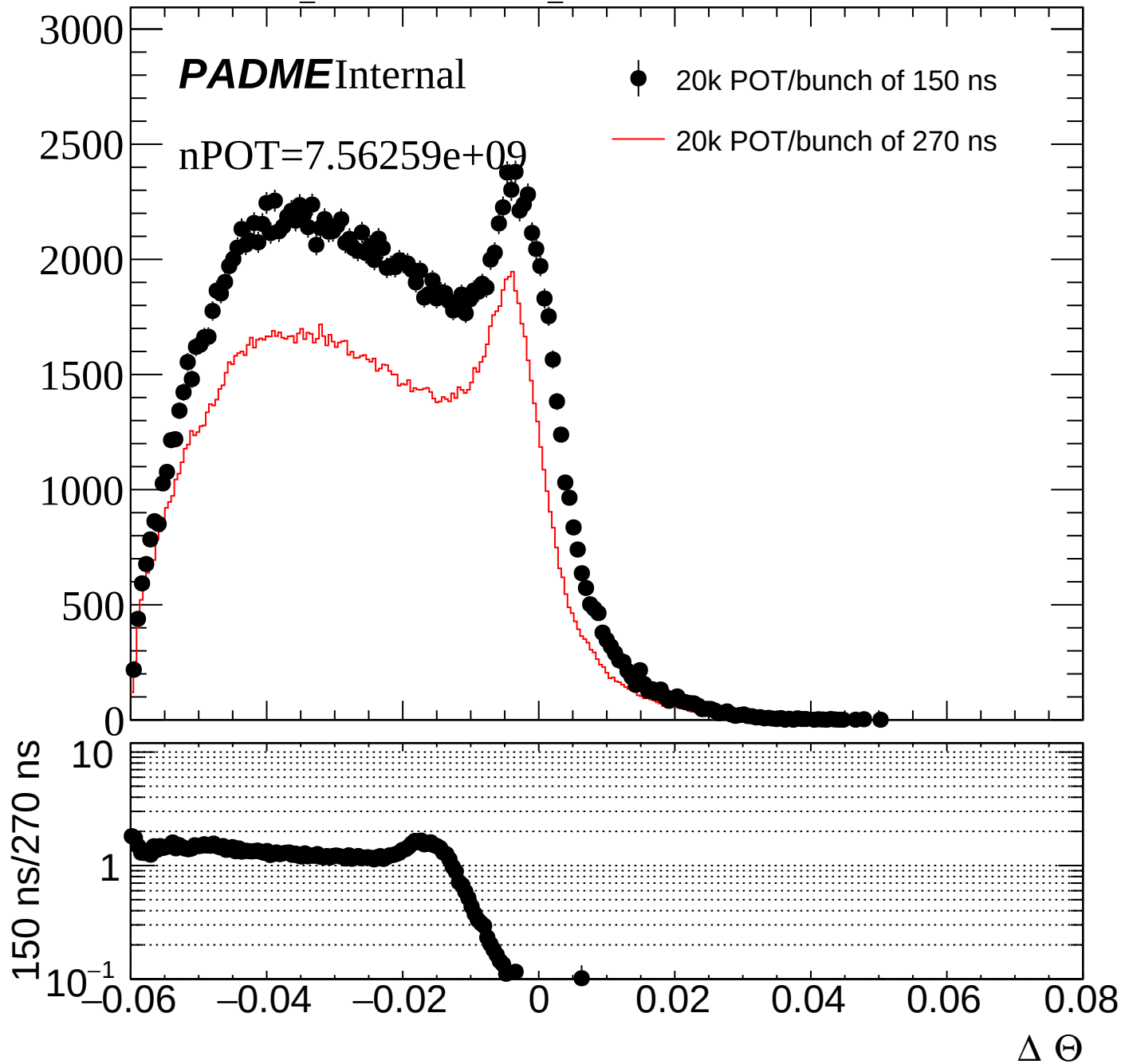










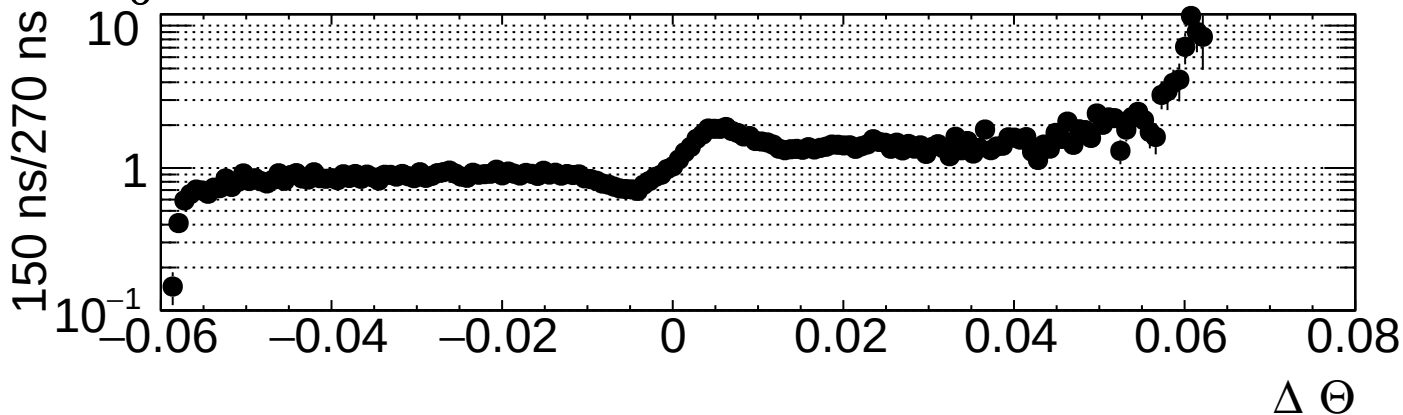


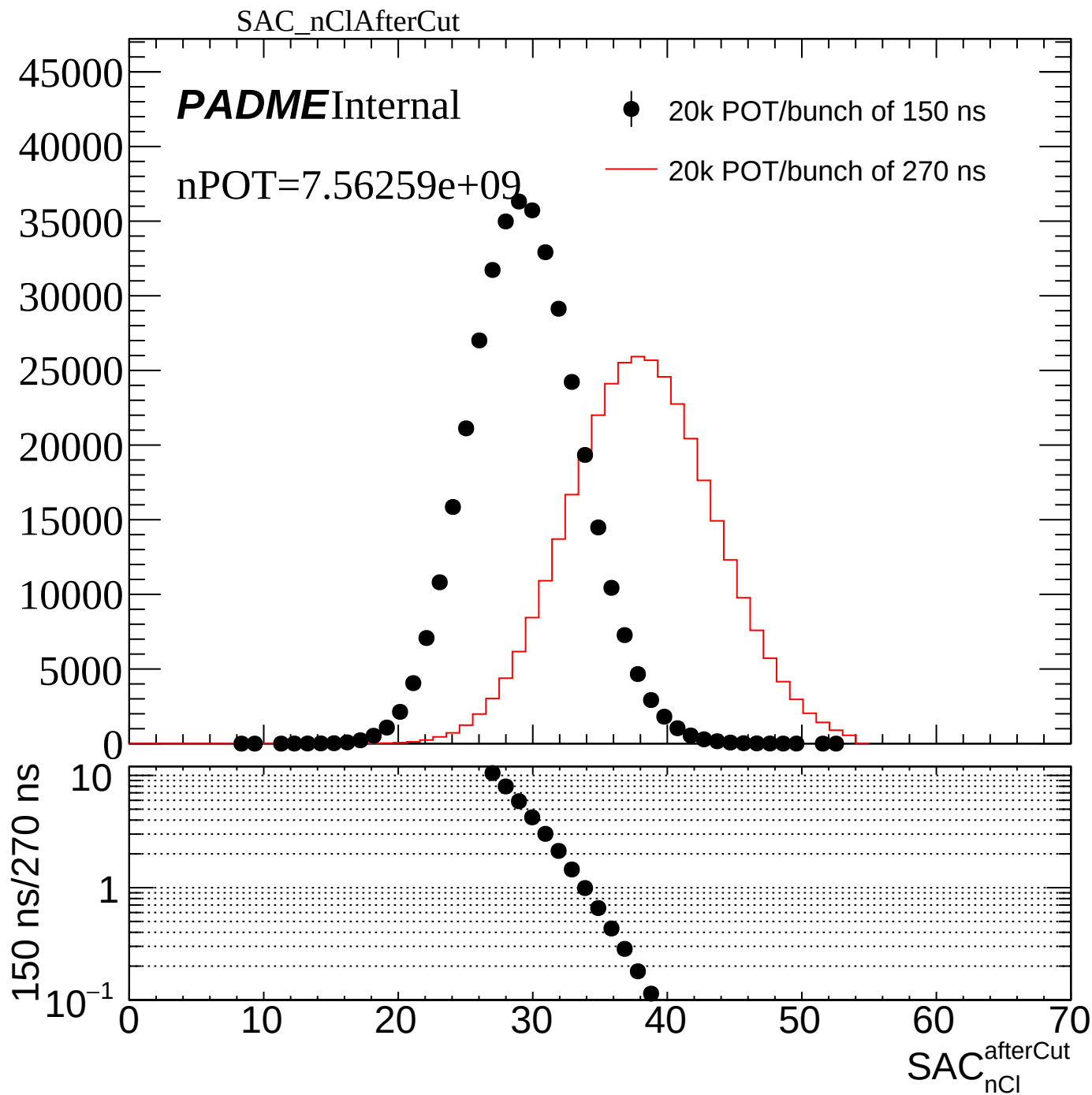
PADME Internal

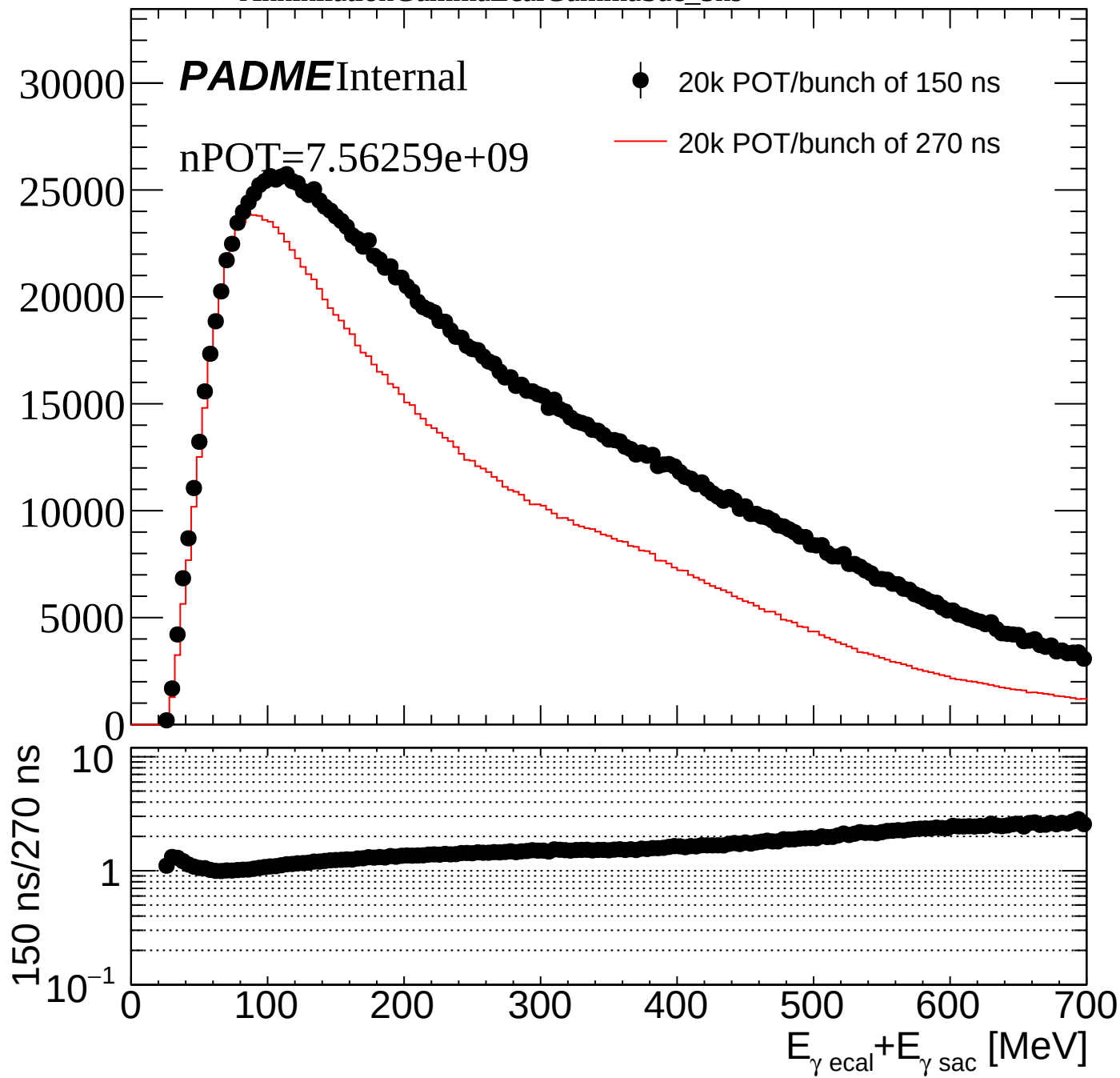
nPOT=7.56259e+09

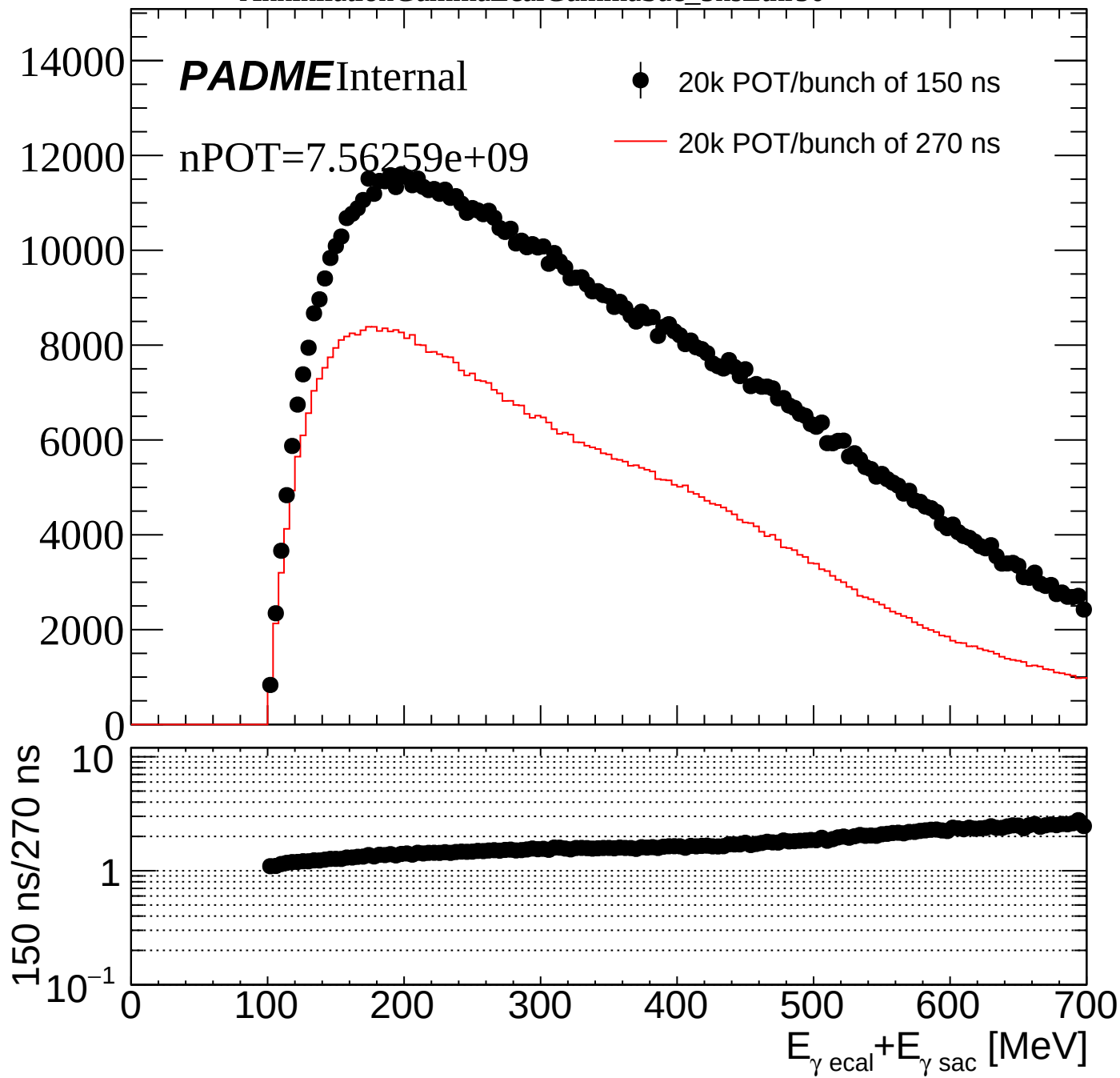
● 20k POT/bunch of 150 ns

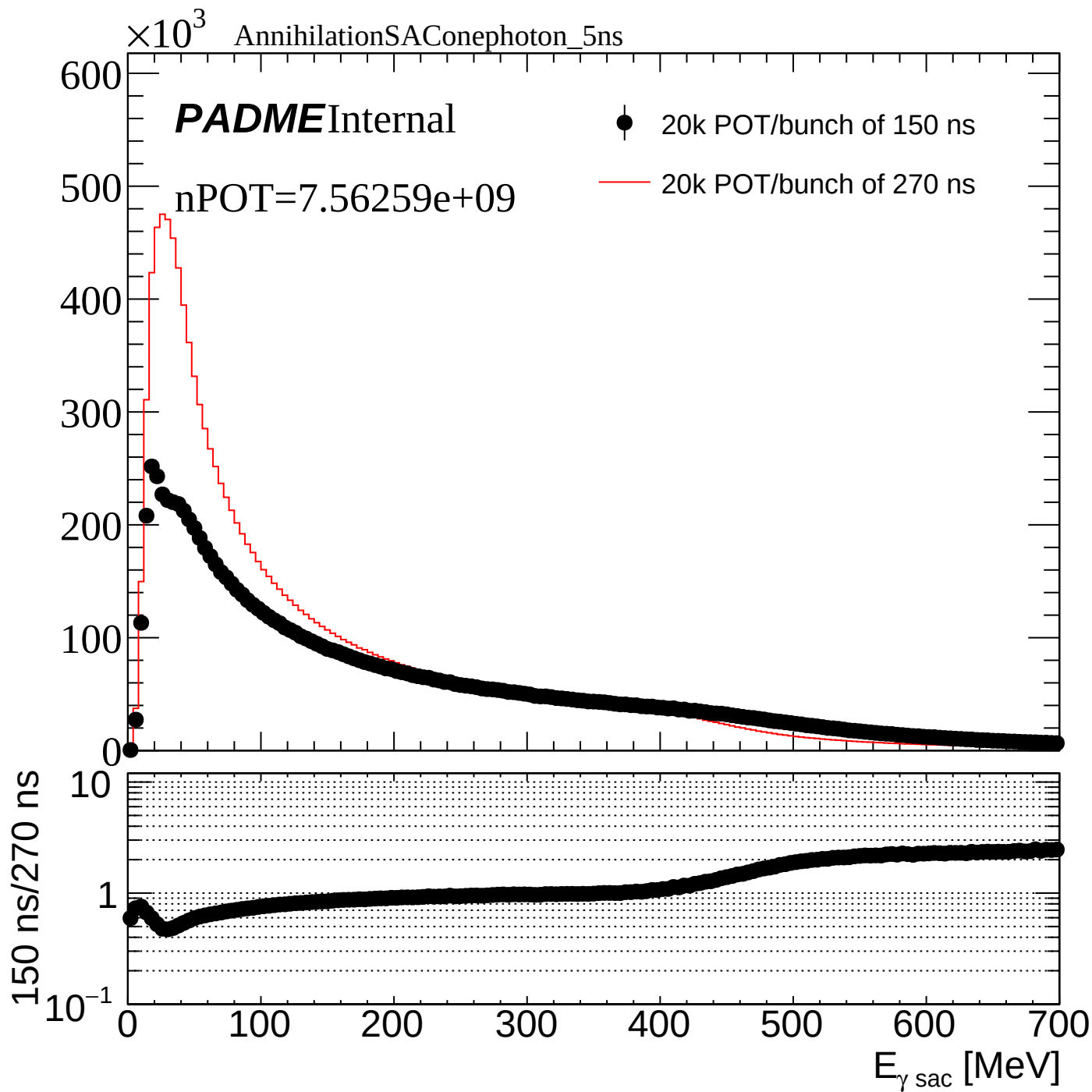
— 20k POT/bunch of 270 ns











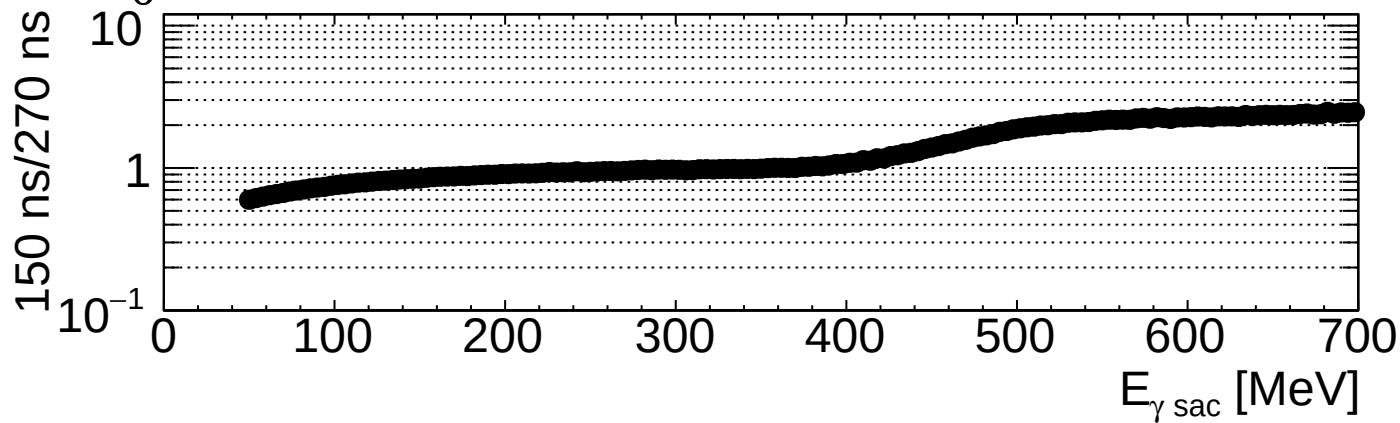
AnnihilationSAConephoton_5nsEThr50

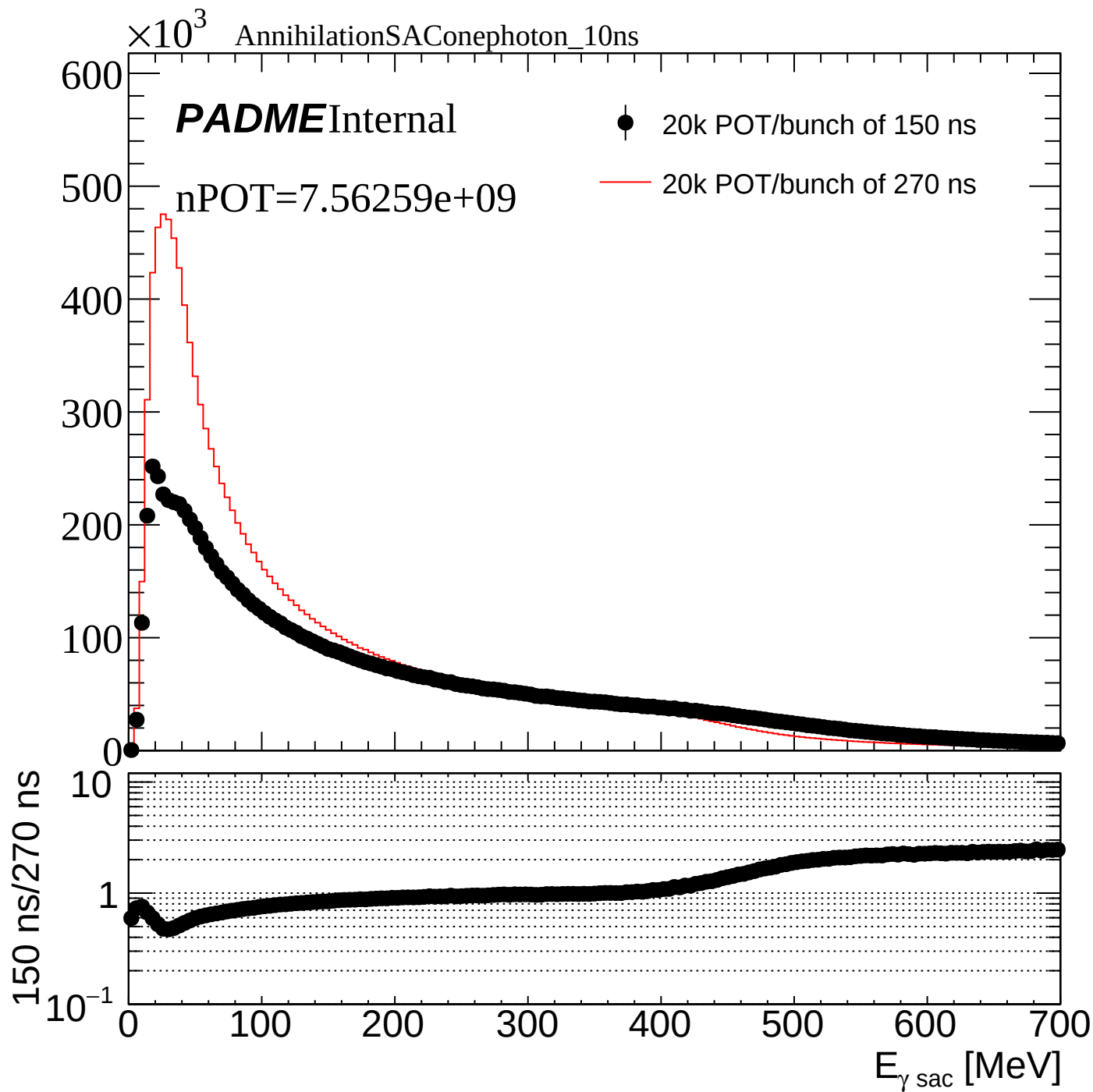
PADME Internal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





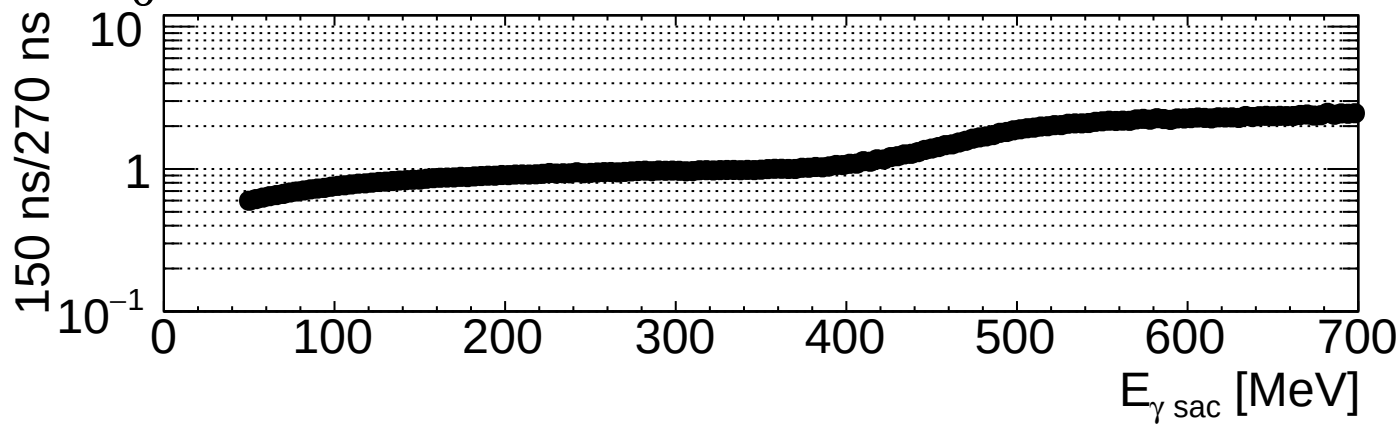
AnnihilationSAConephoton_10nsEThr50

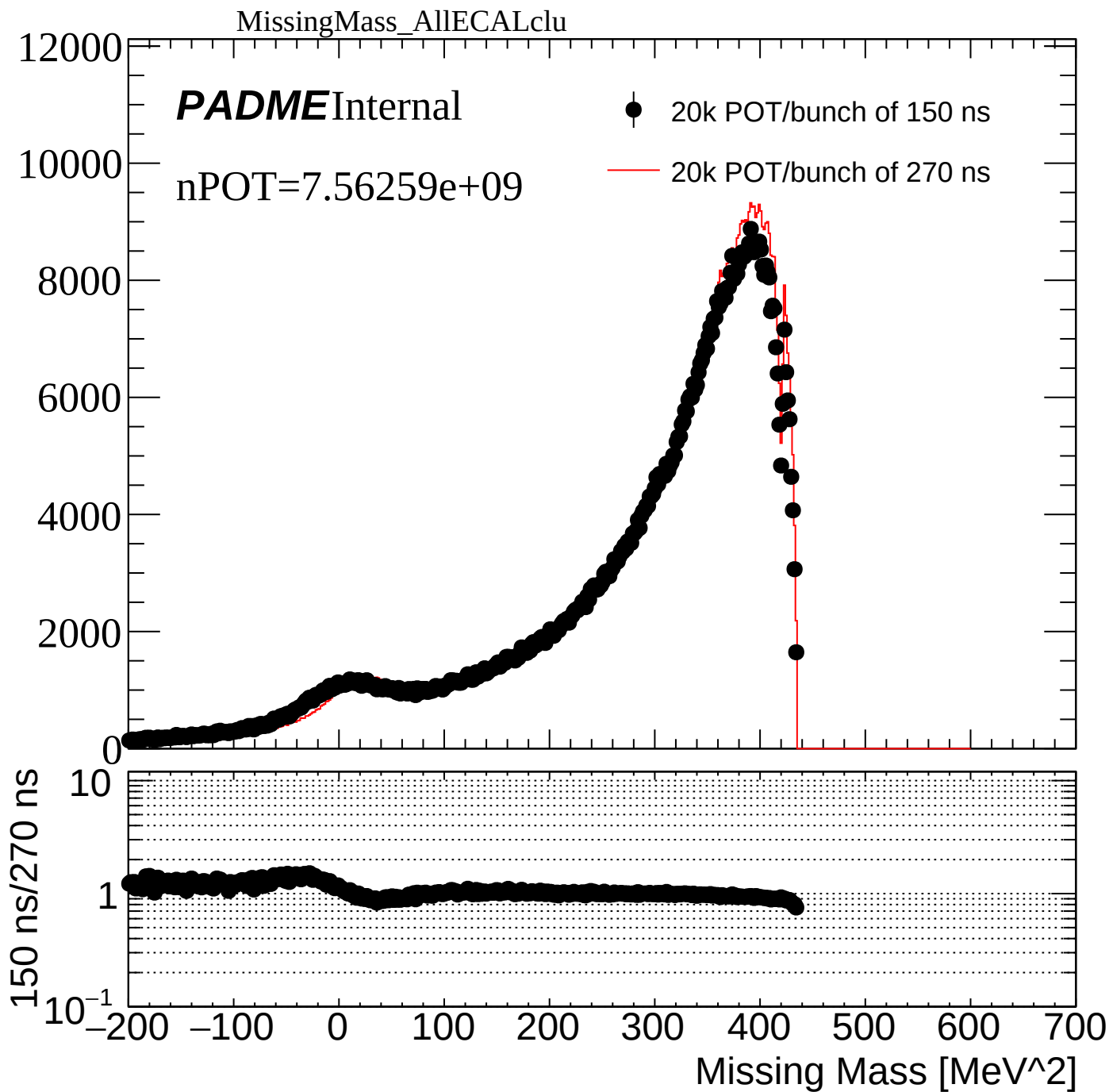
PADME Internal

nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





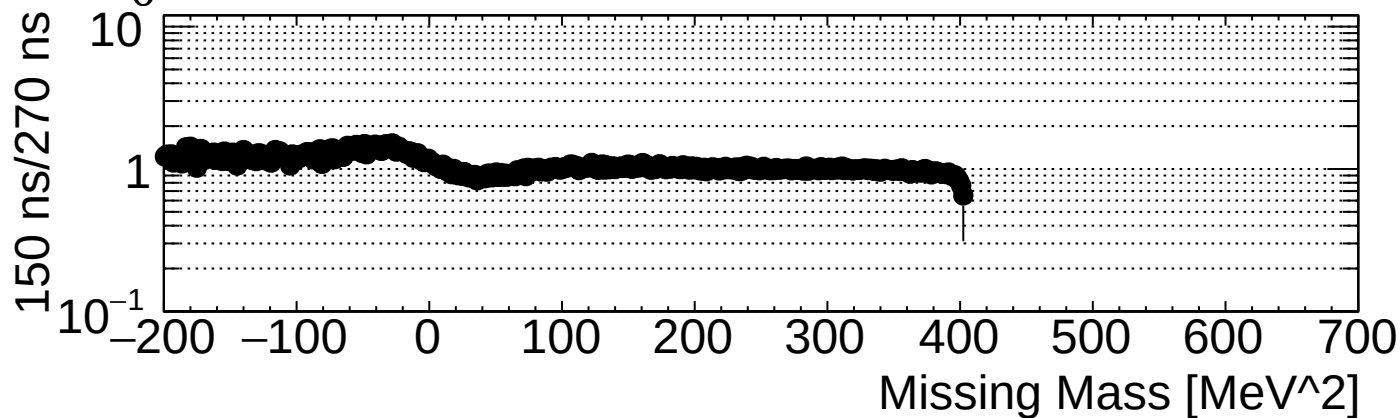
MissingMass_AllECALclu_ThrEne50MeV

PADMEInternal

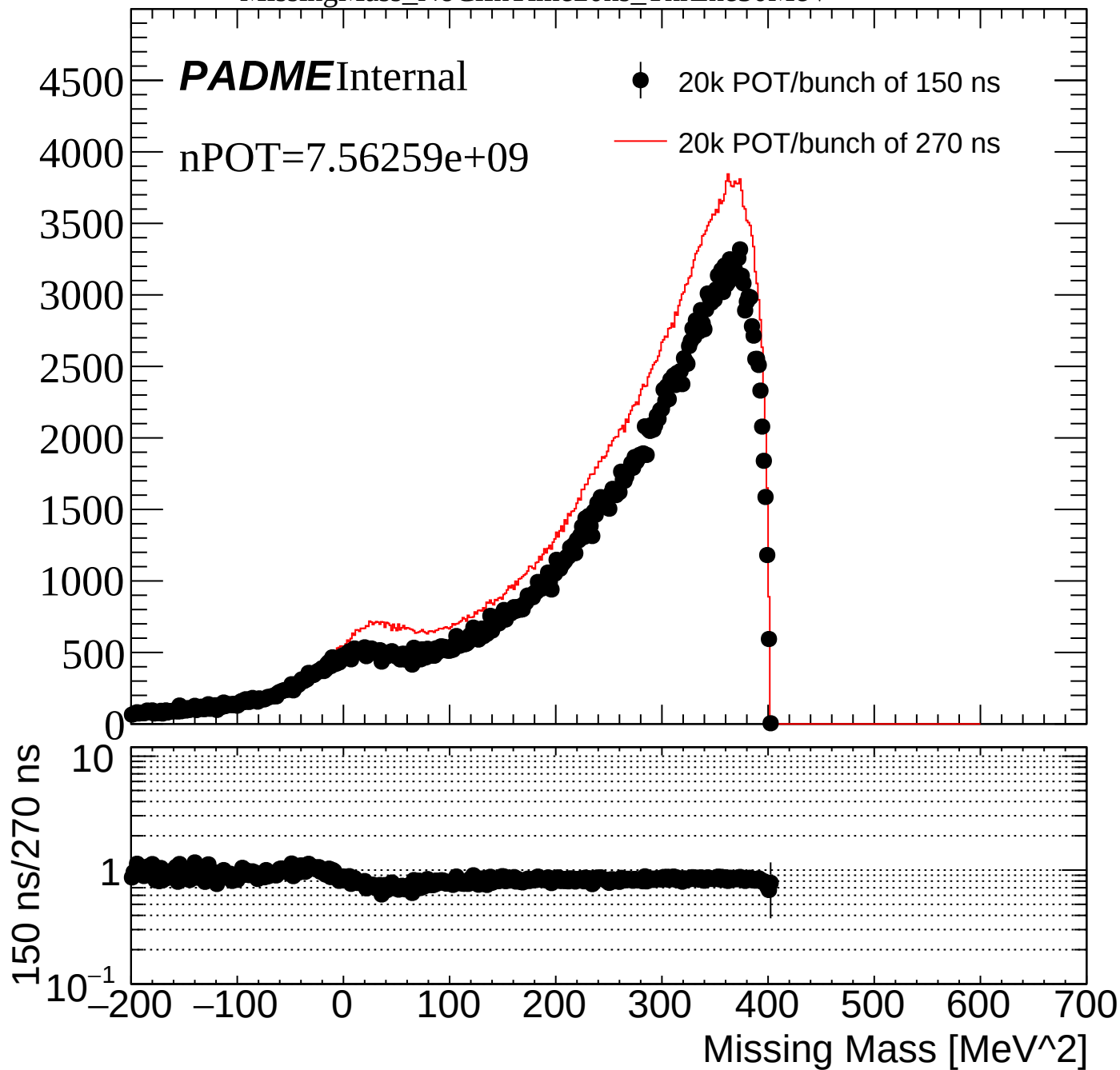
nPOT=7.56259e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



MissingMass_NoClInTime20ns_ThrEne50MeV



MissingMass_NoClInTime10ns_ThrEne50MeV

