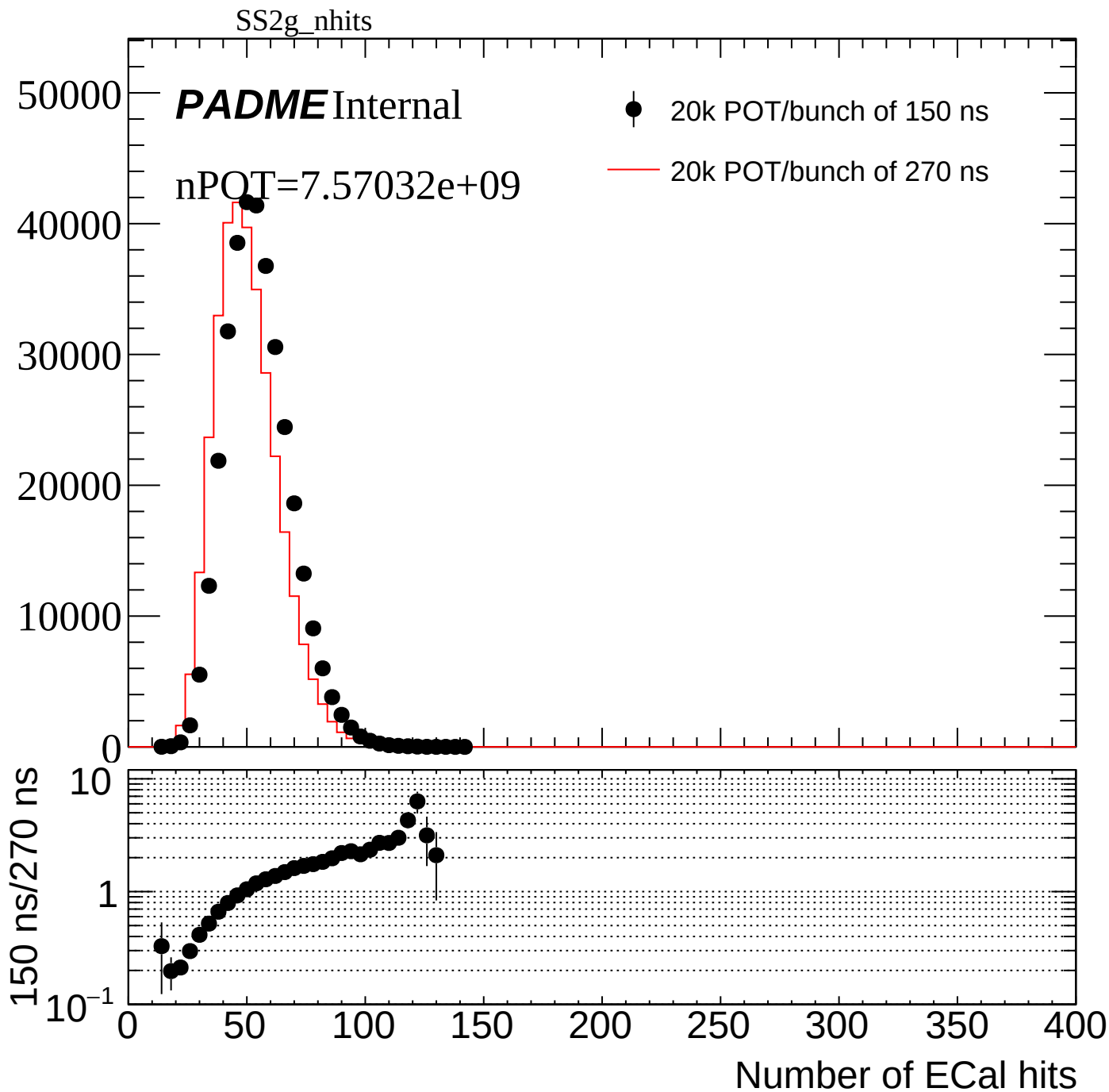
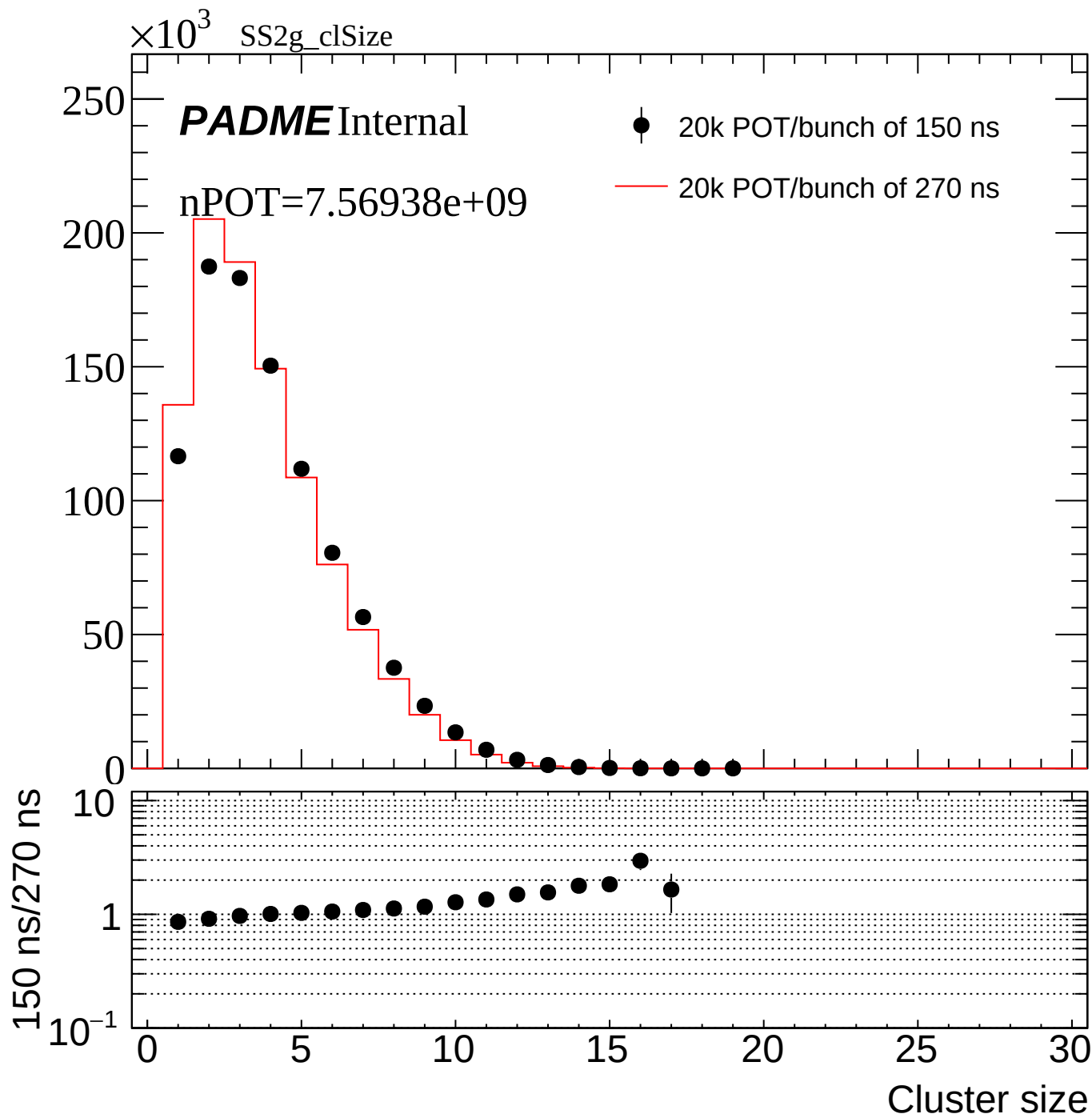
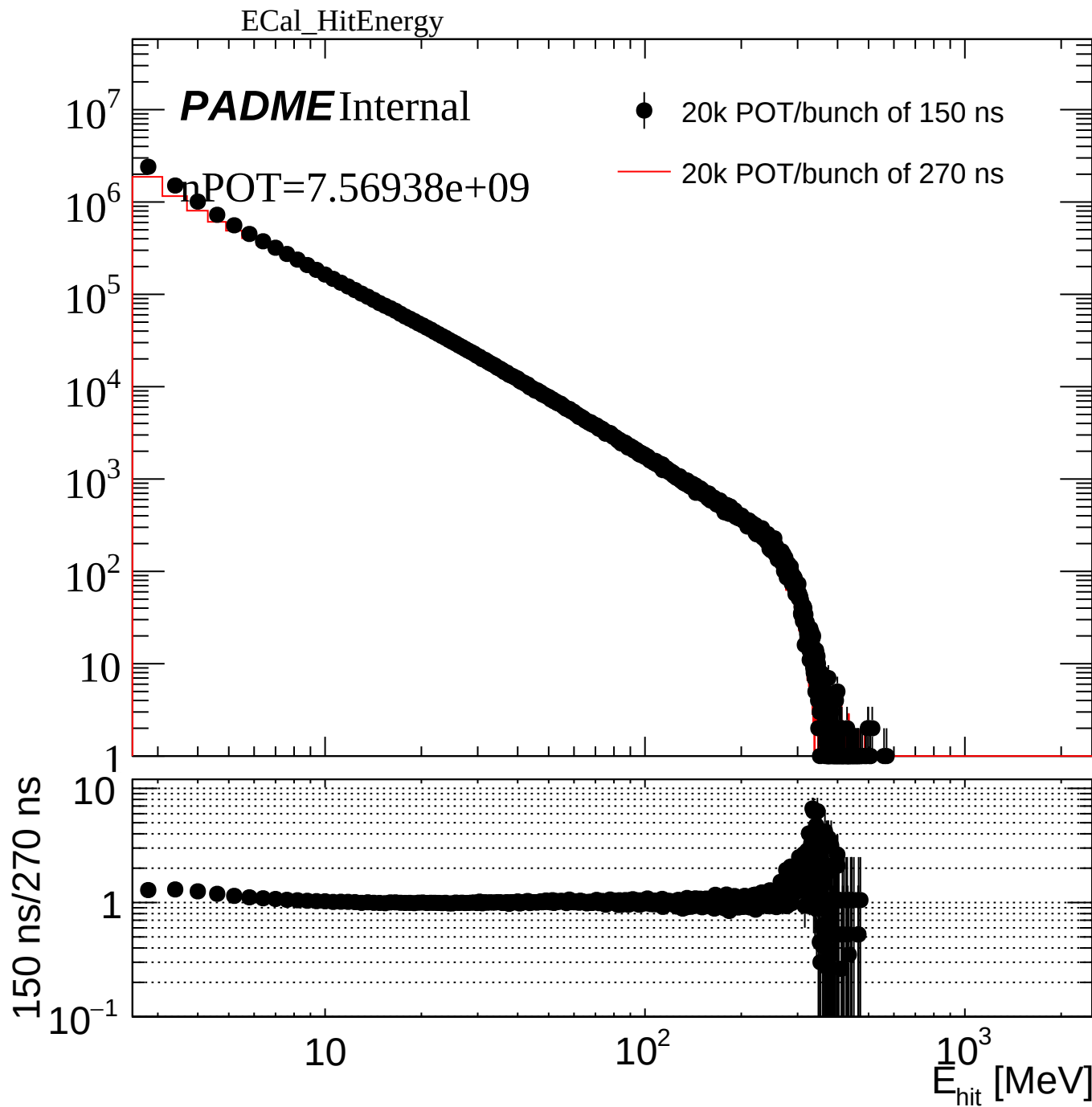
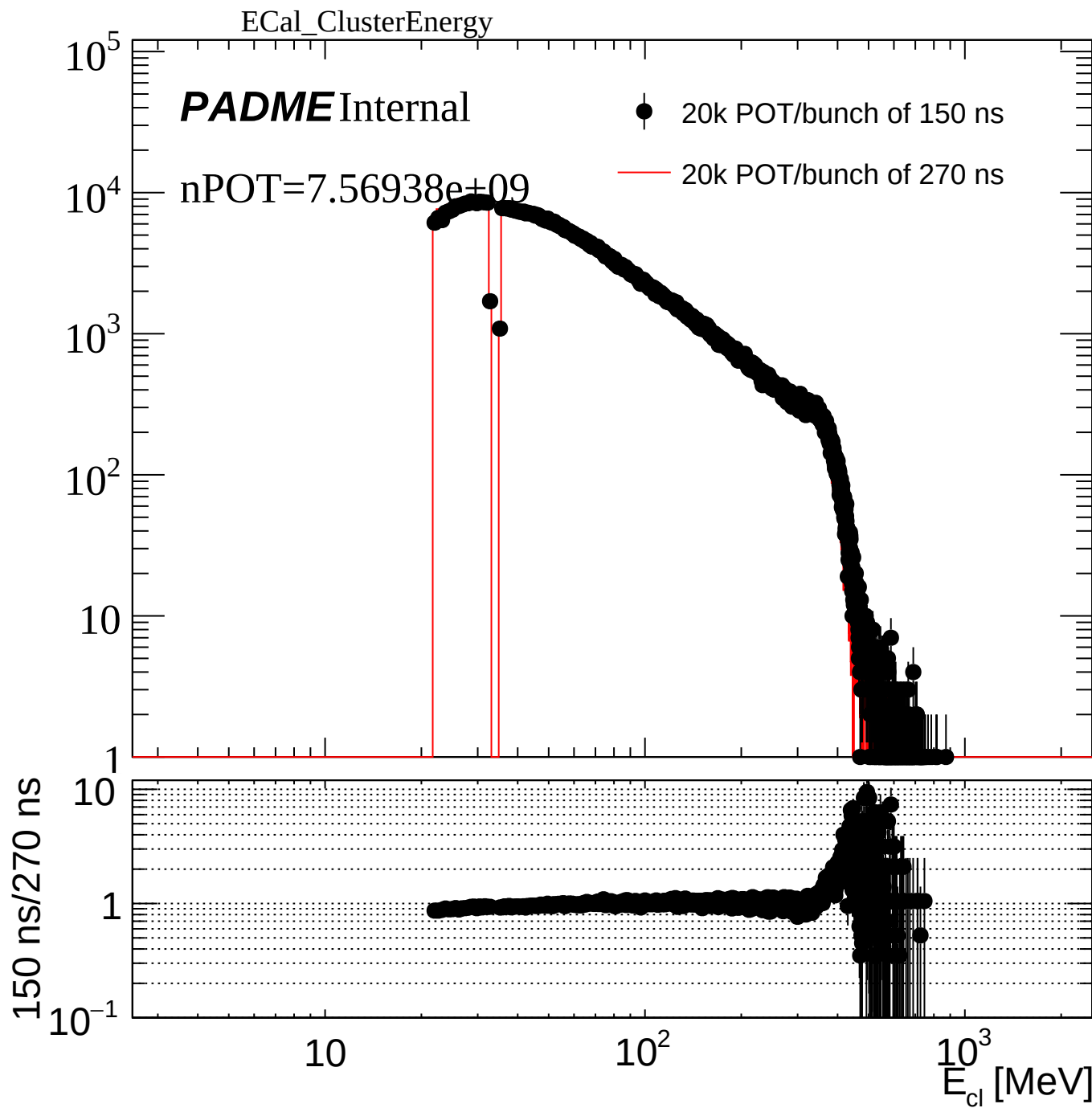


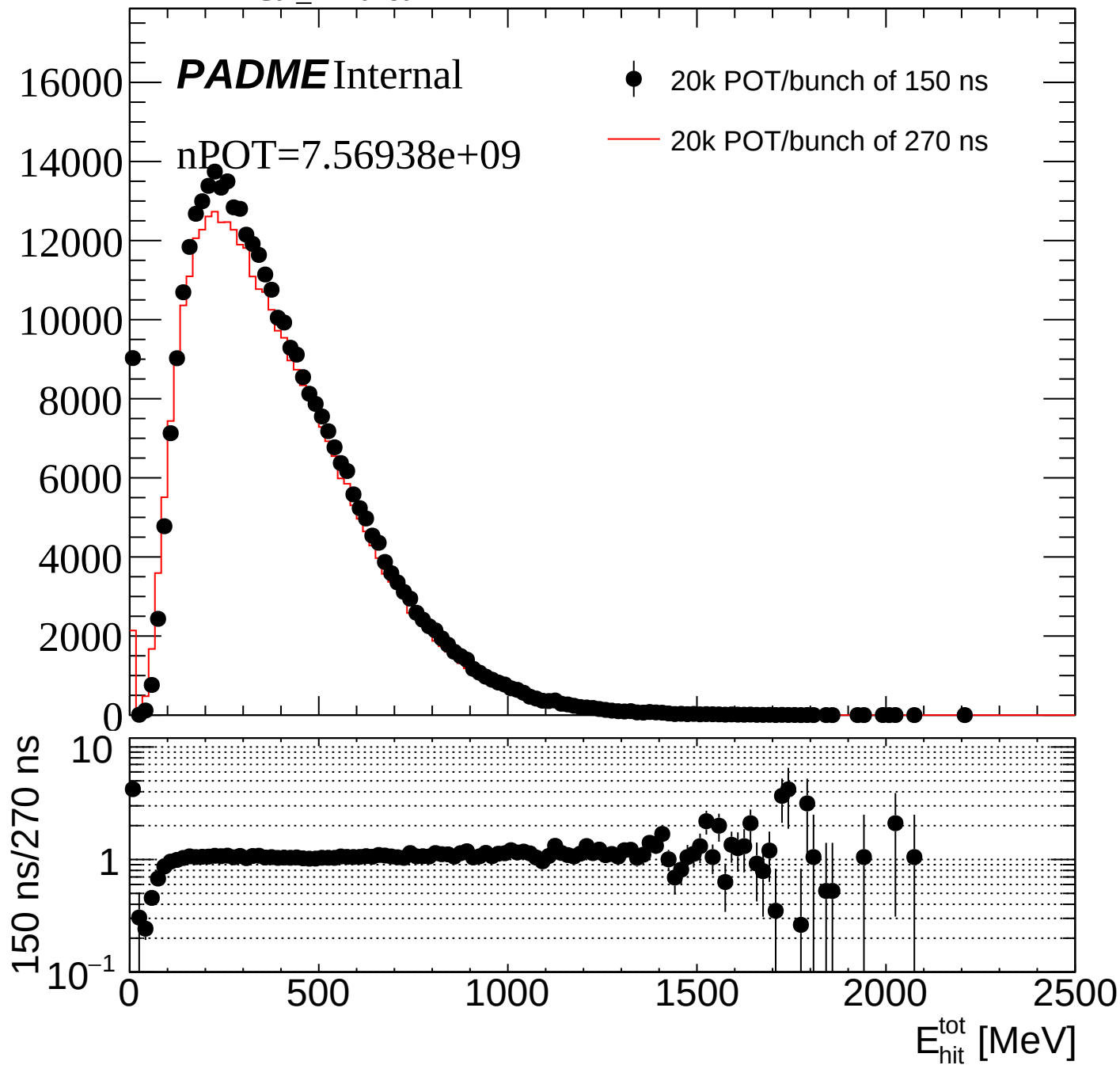


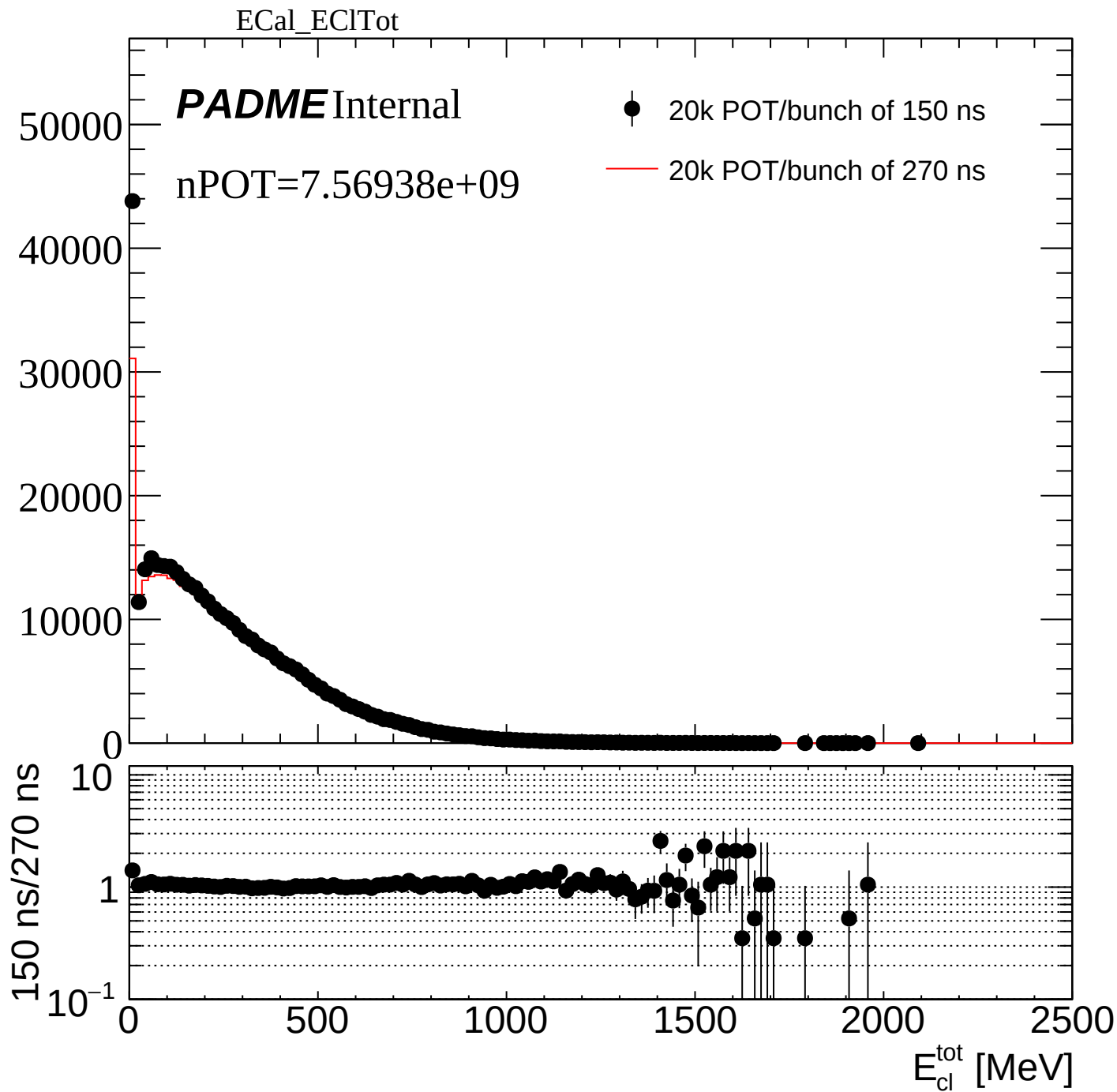


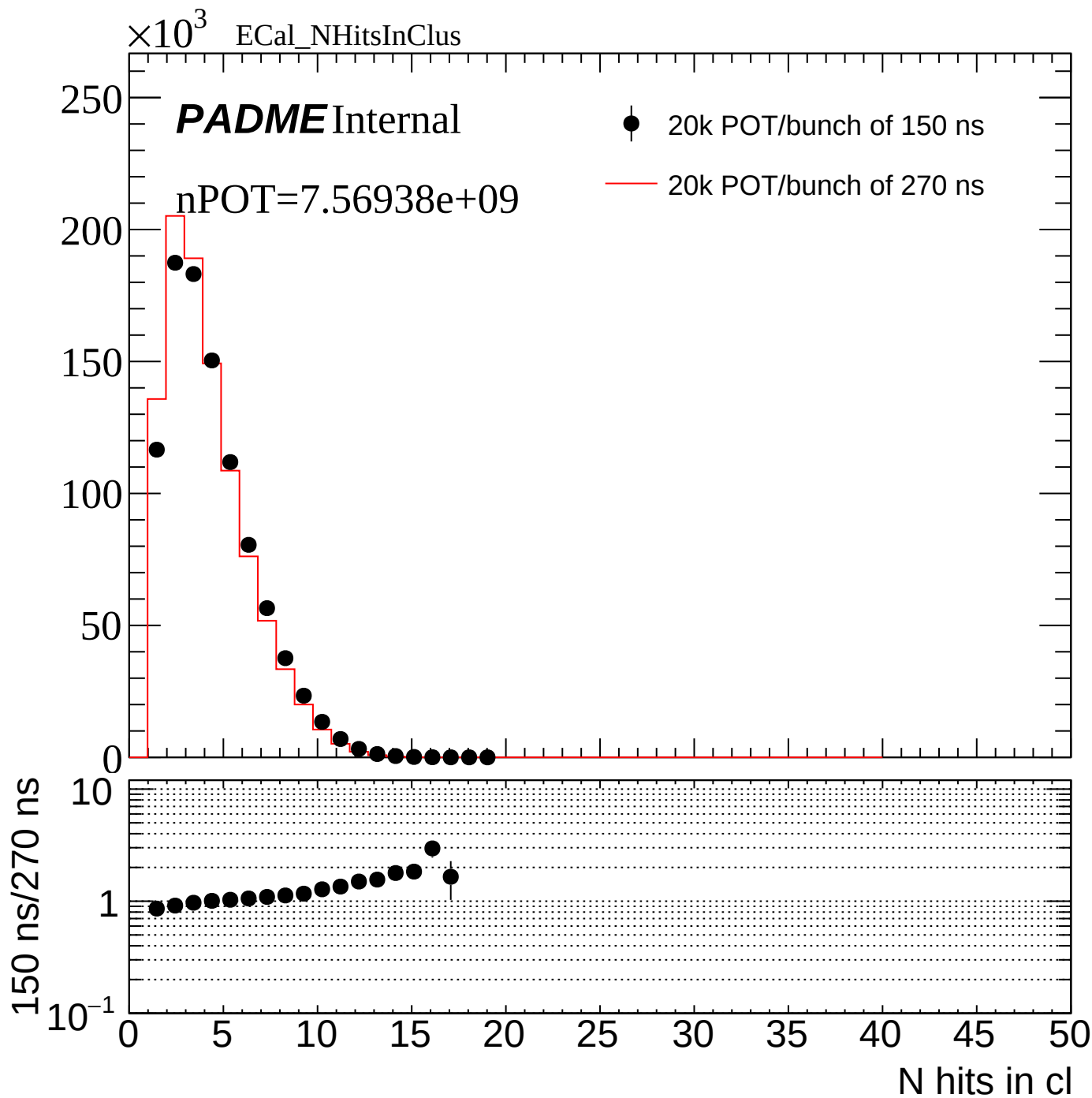


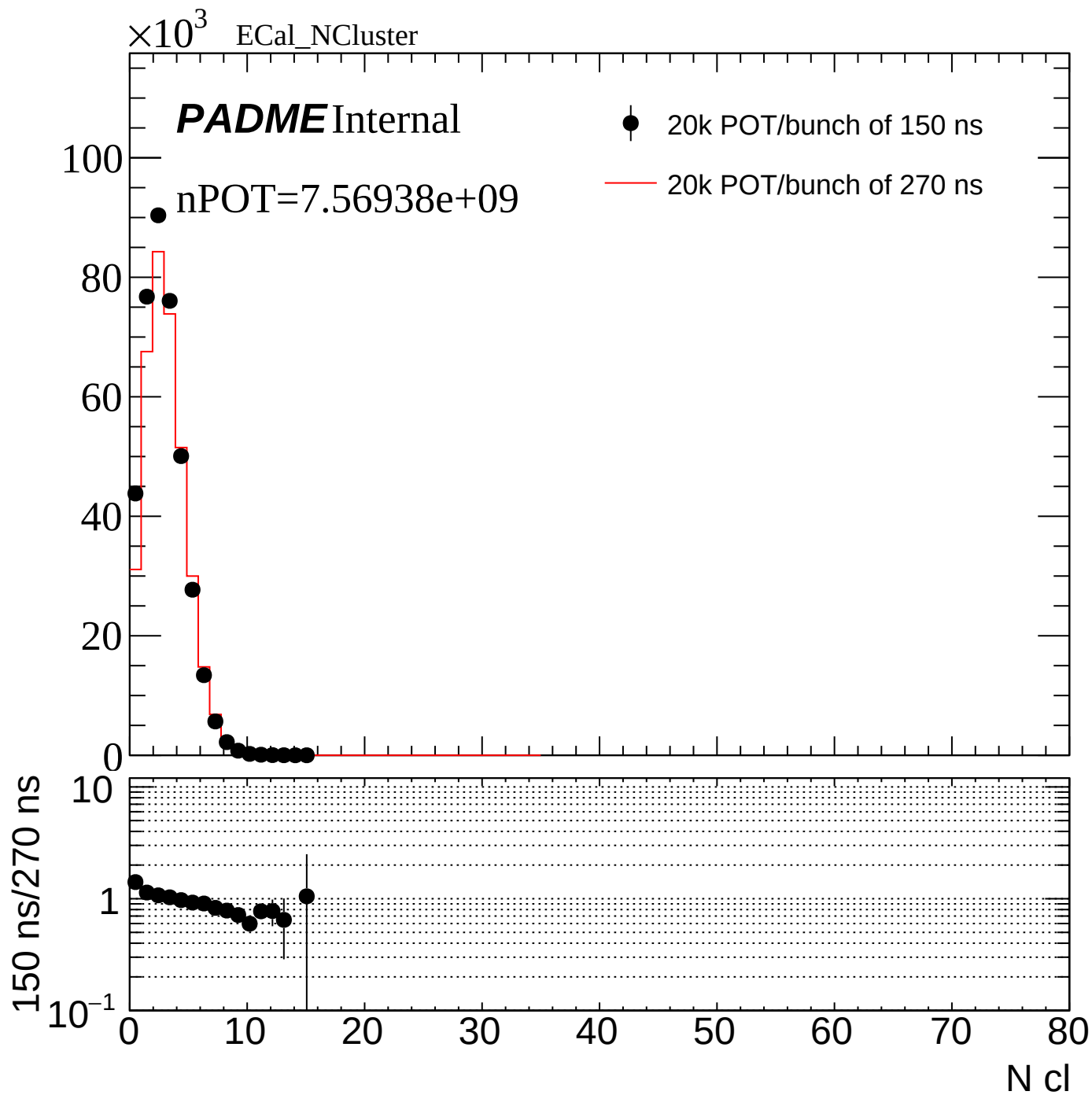


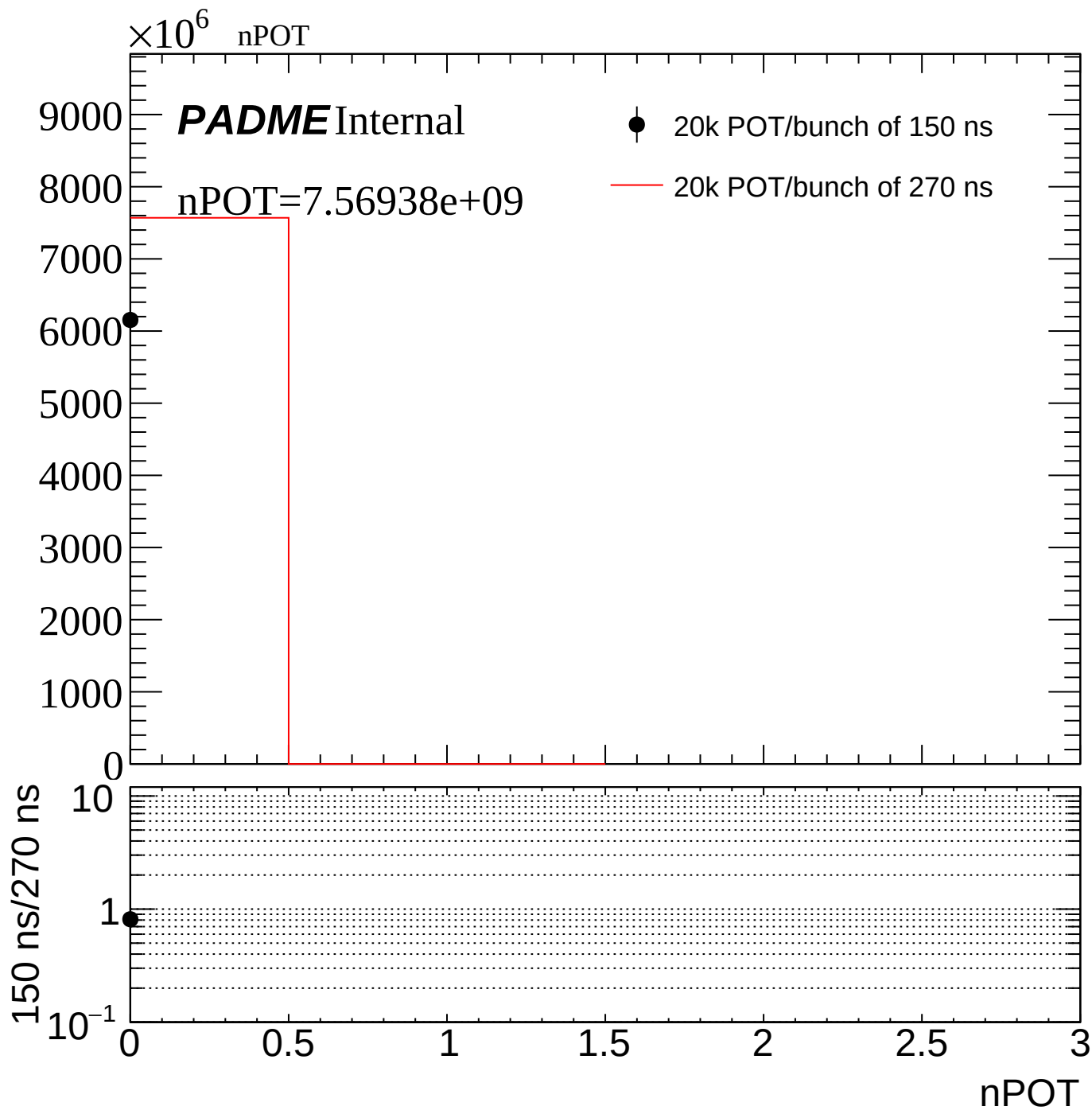
ECal_EHitTot

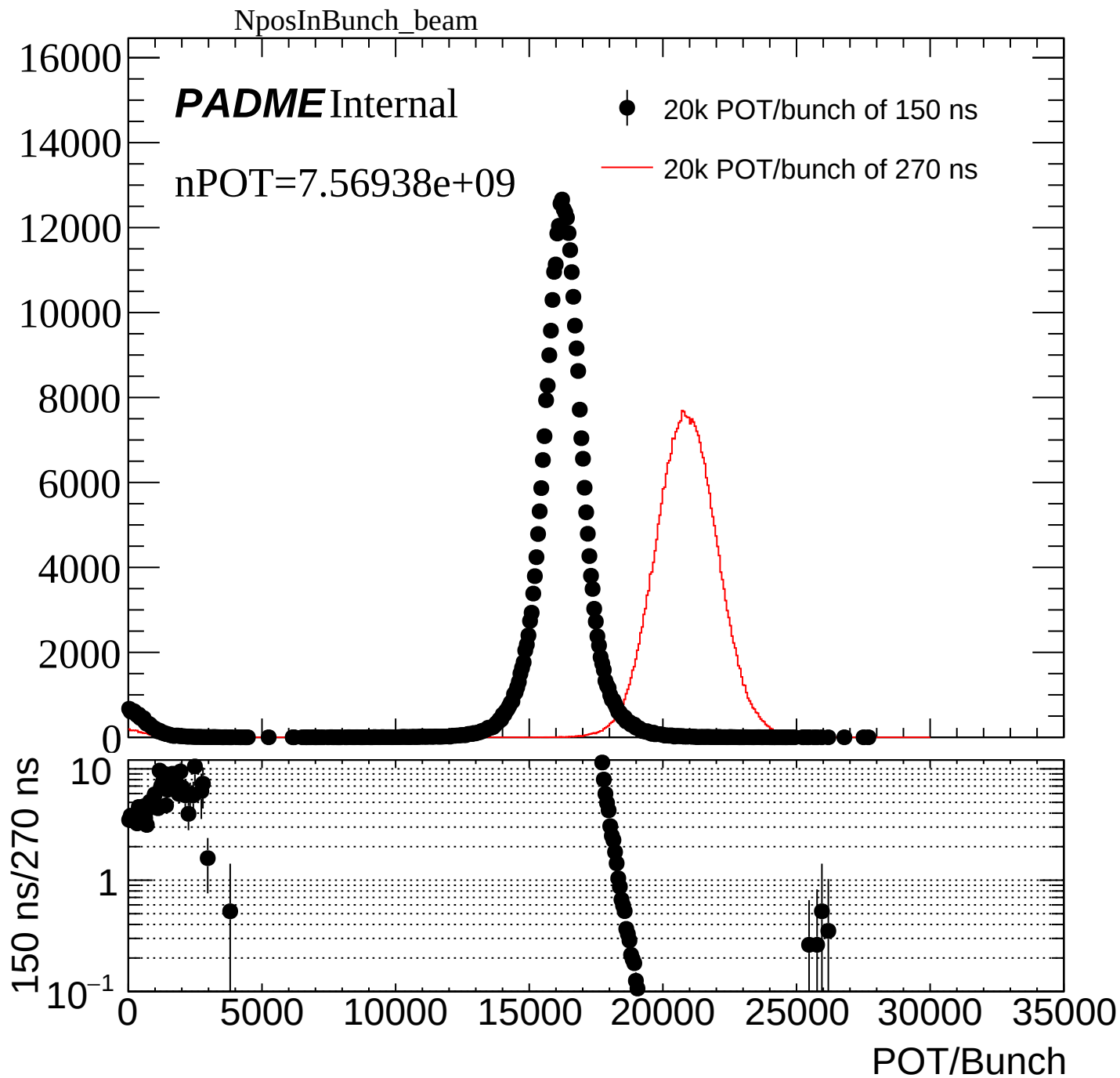












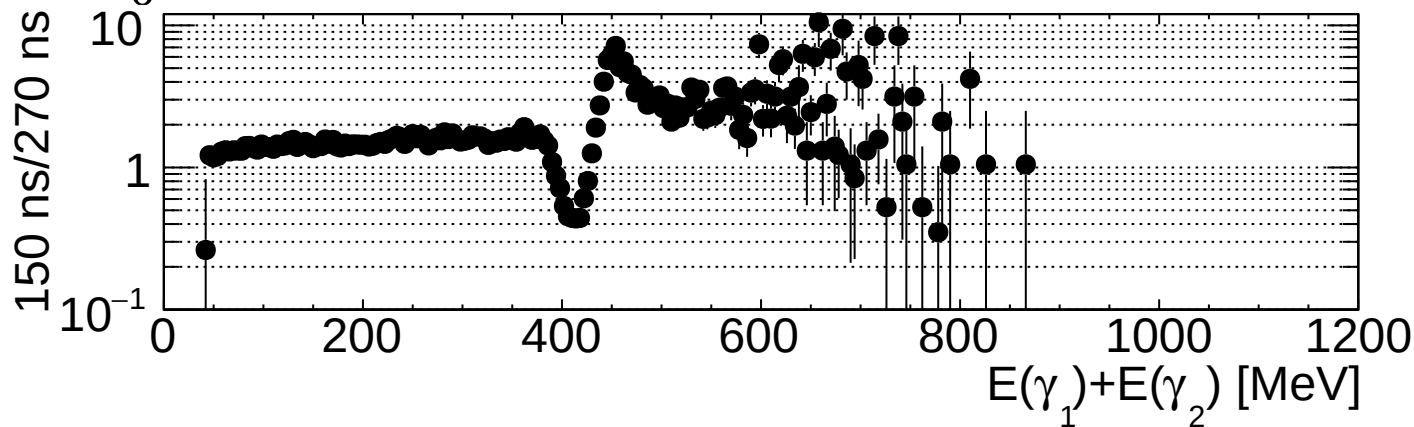
ECAL_twoPhotonInTime10ns

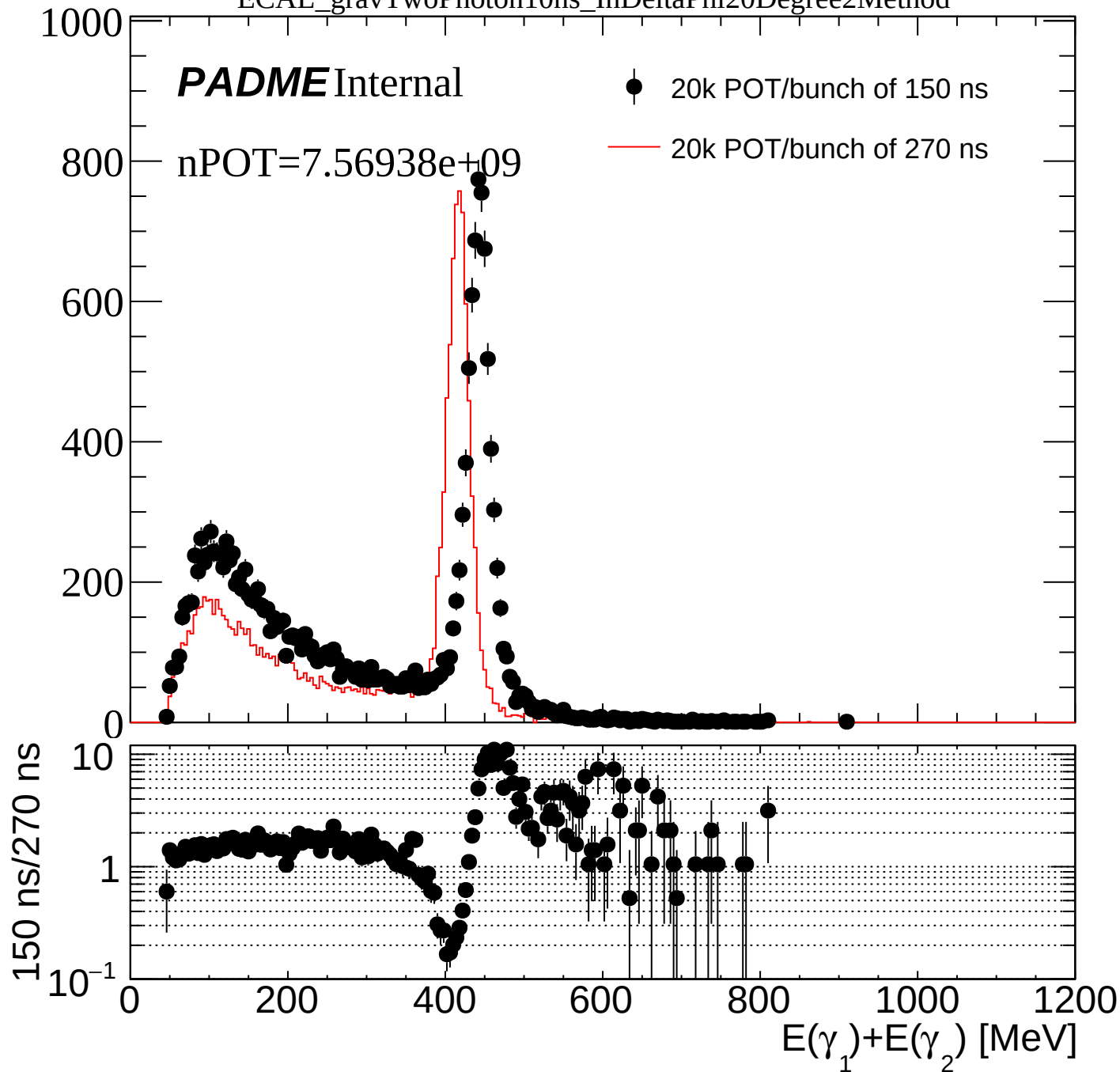
PADME Internal

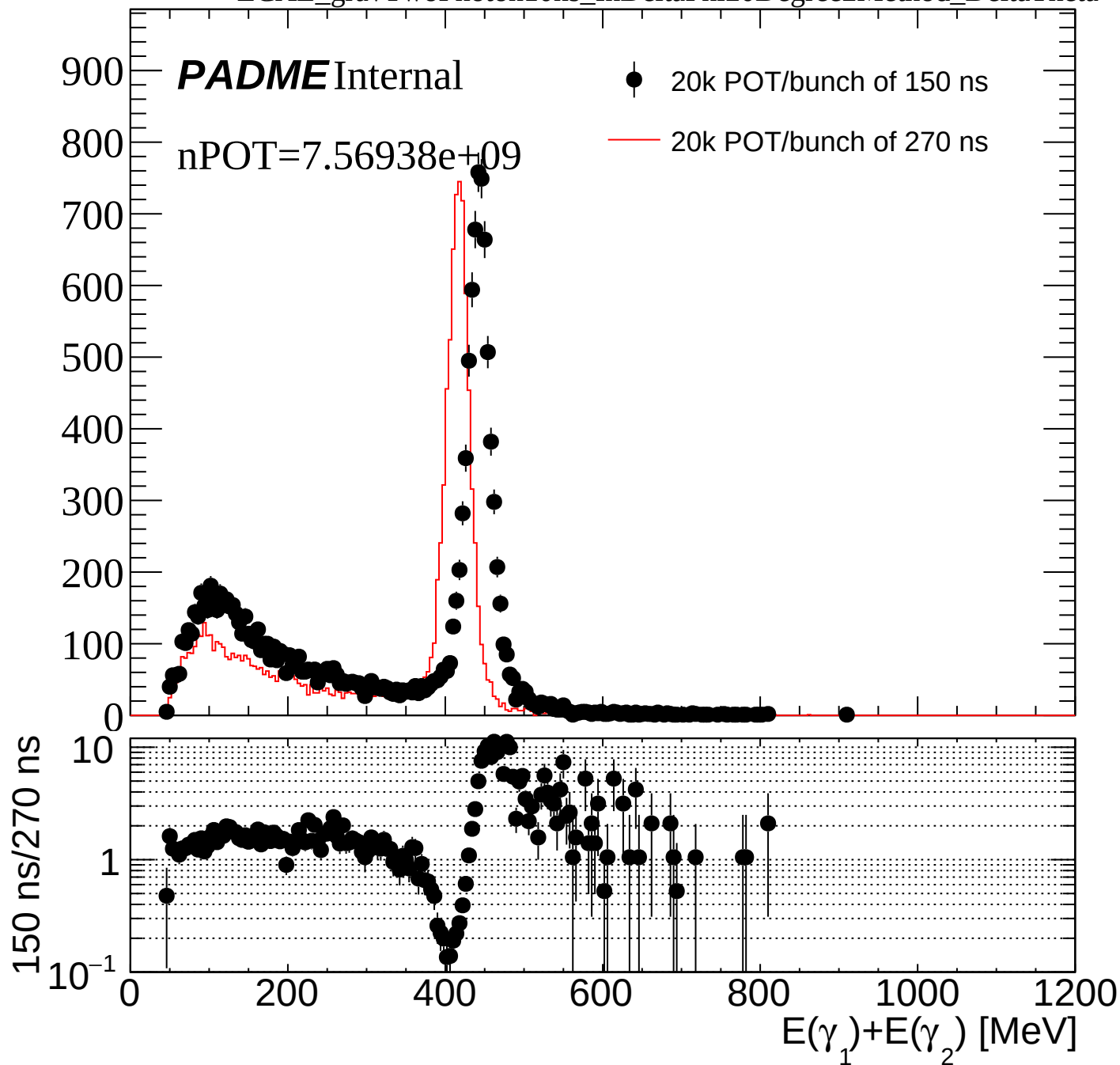
nPOT=7.56938e+09

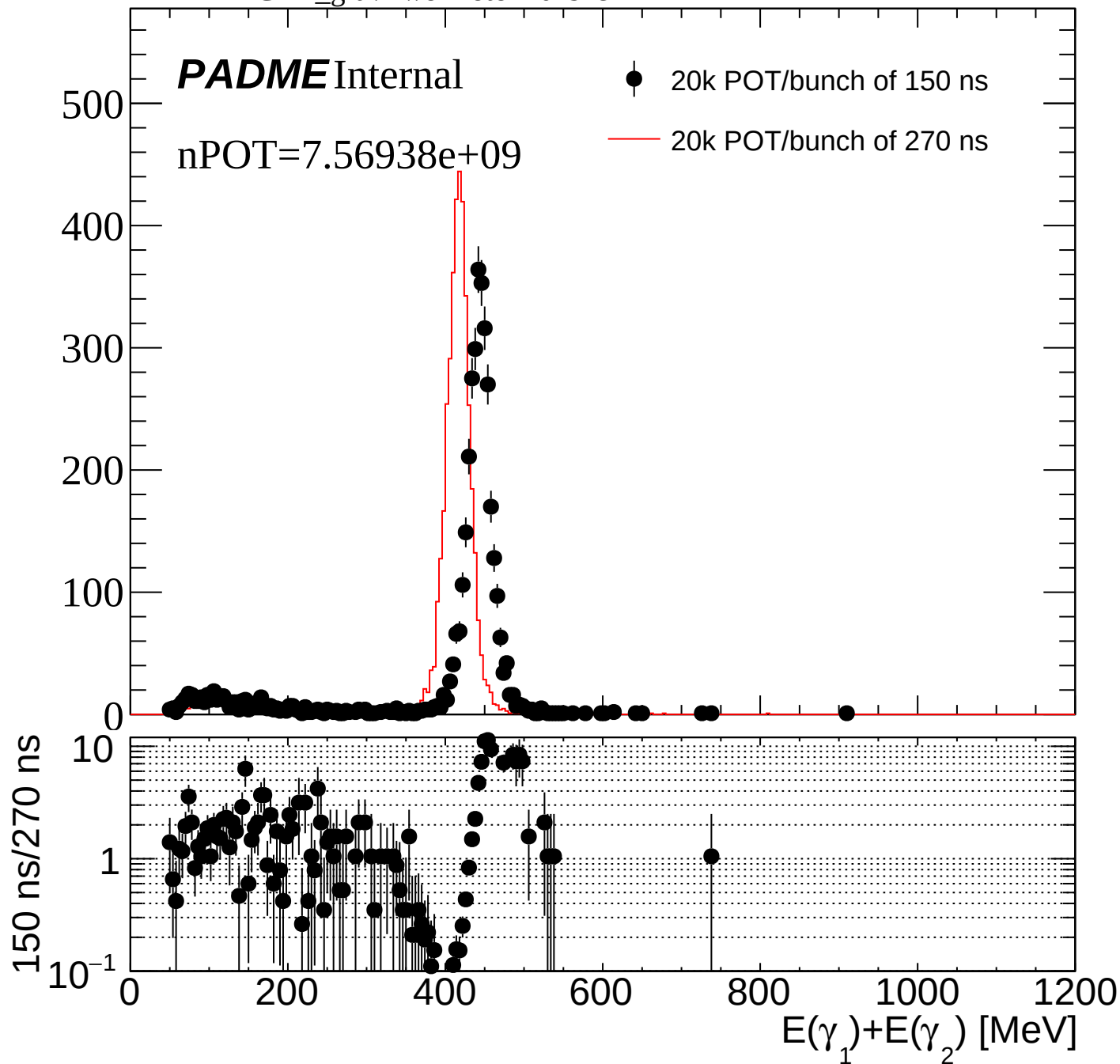
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns









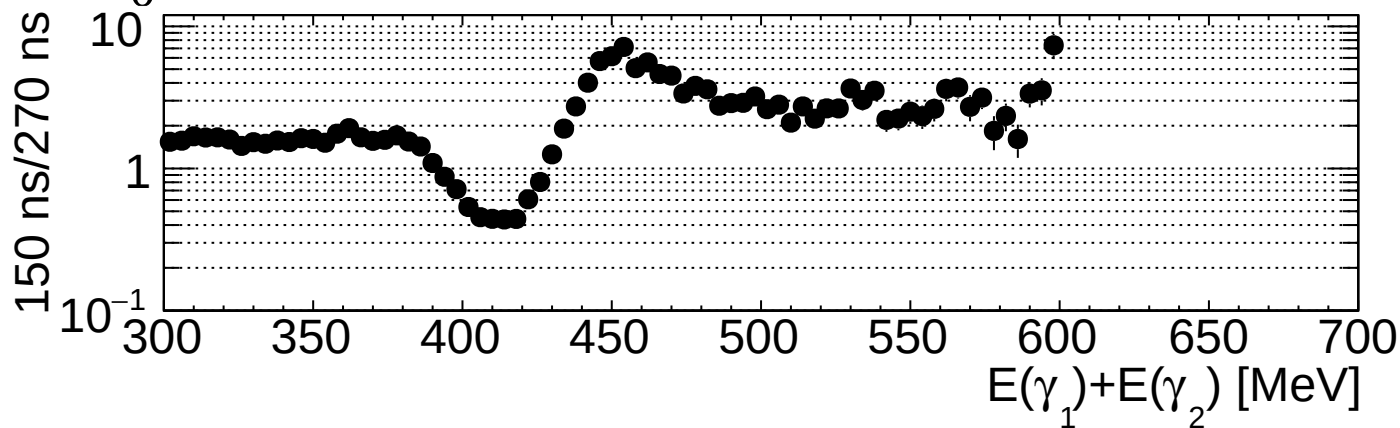
ECAL_twoPhotonInTime10nsUnderPeak

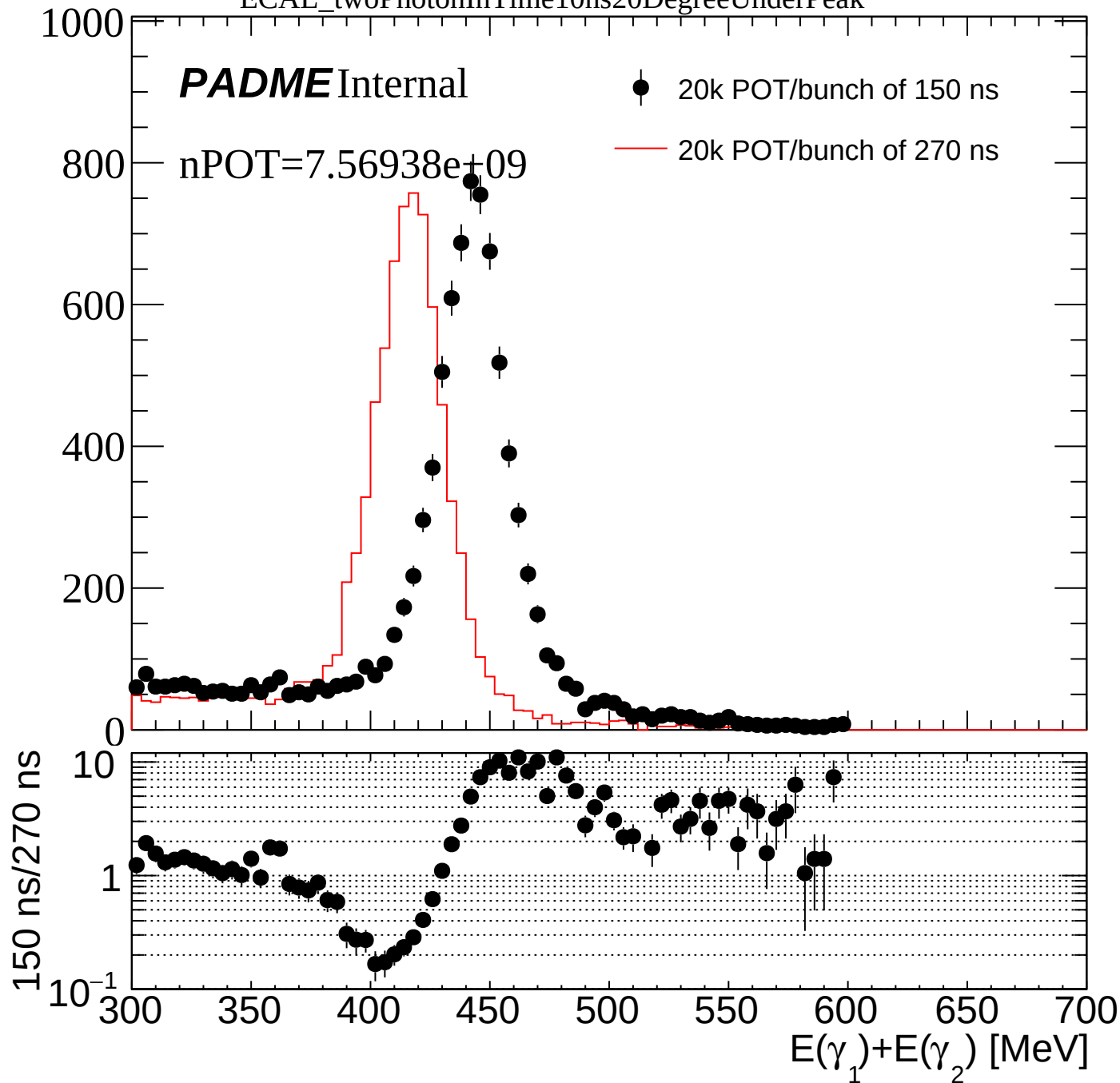
PADME Internal

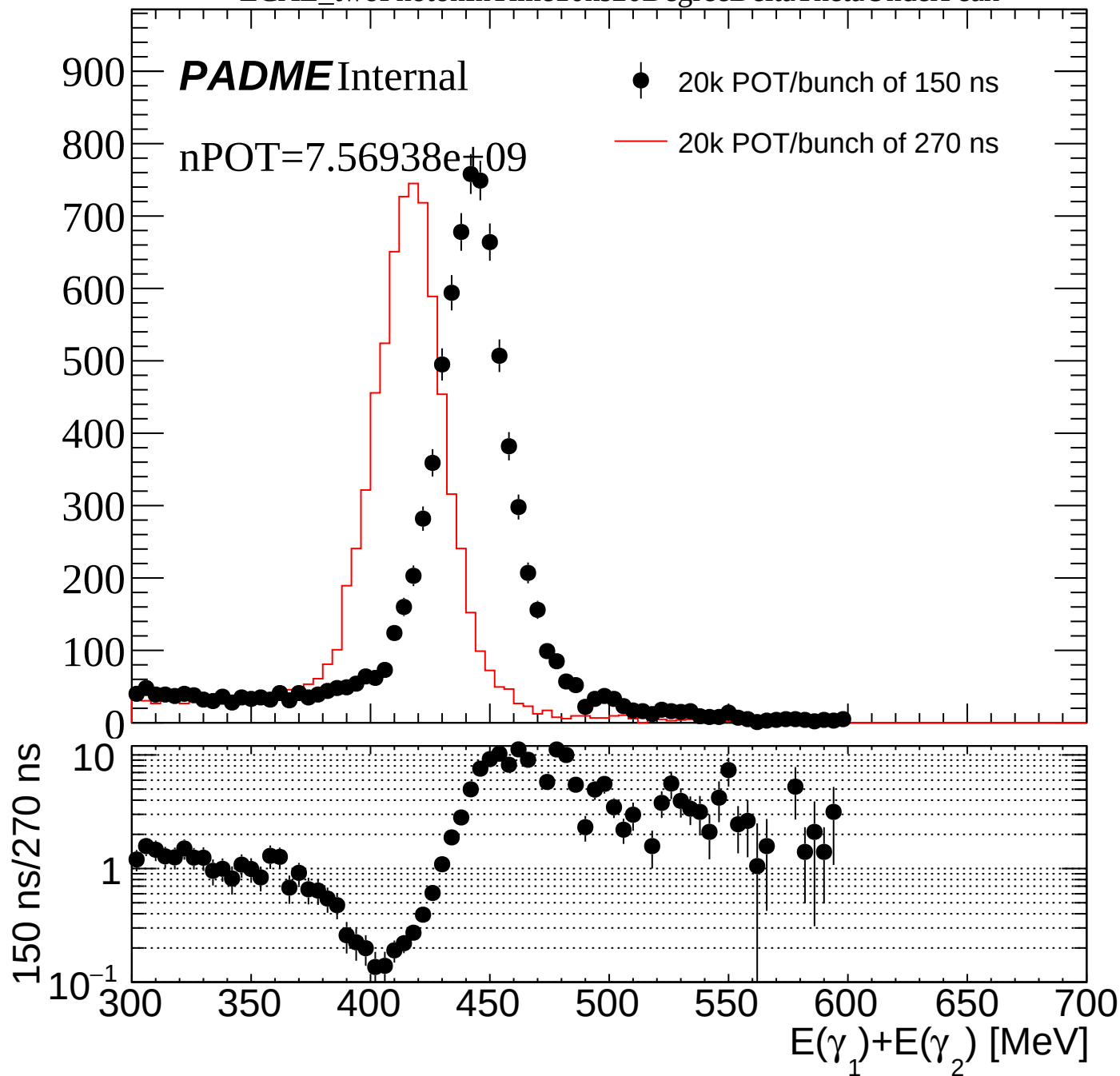
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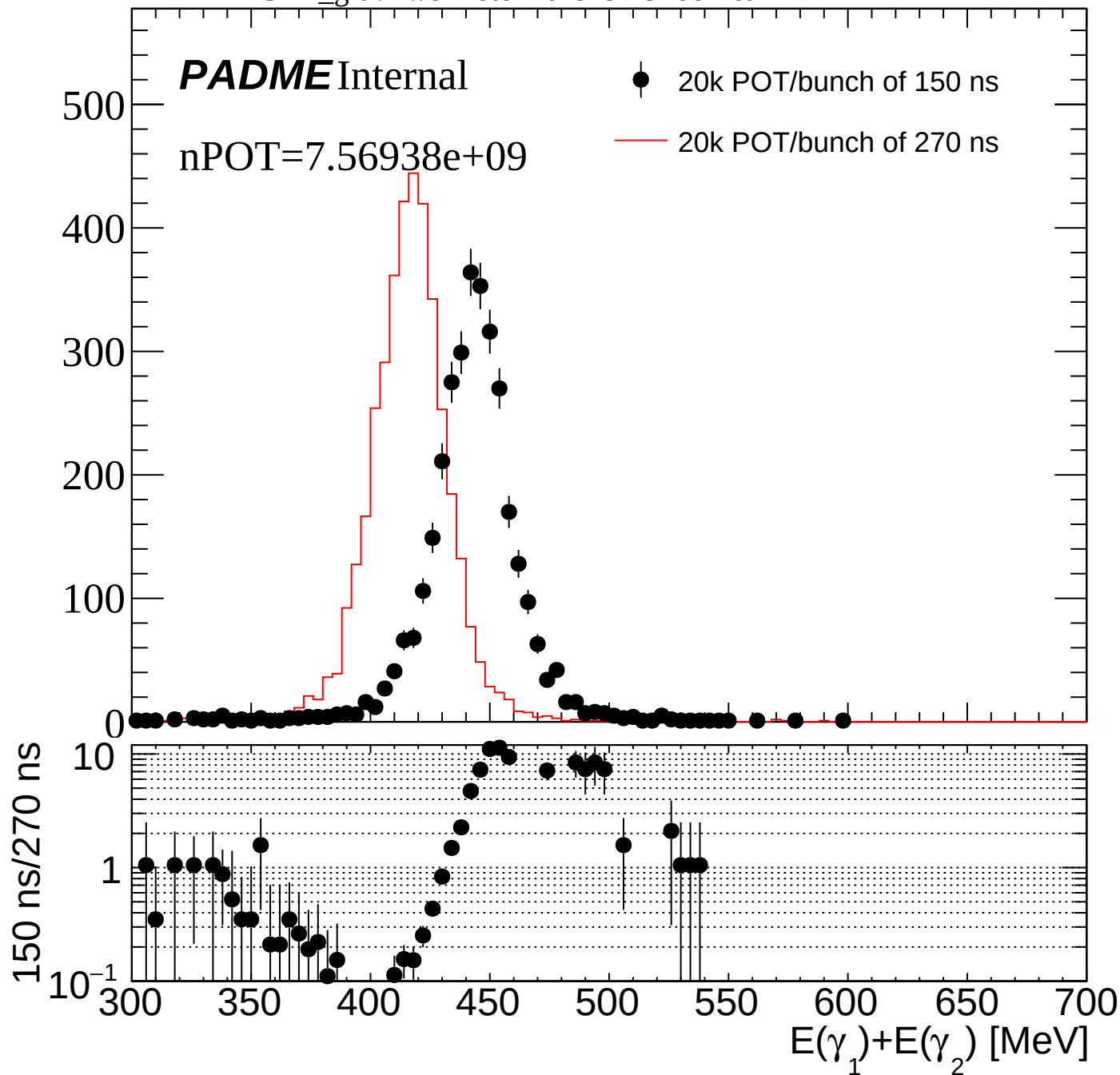
● 20k POT/bunch of 150 ns

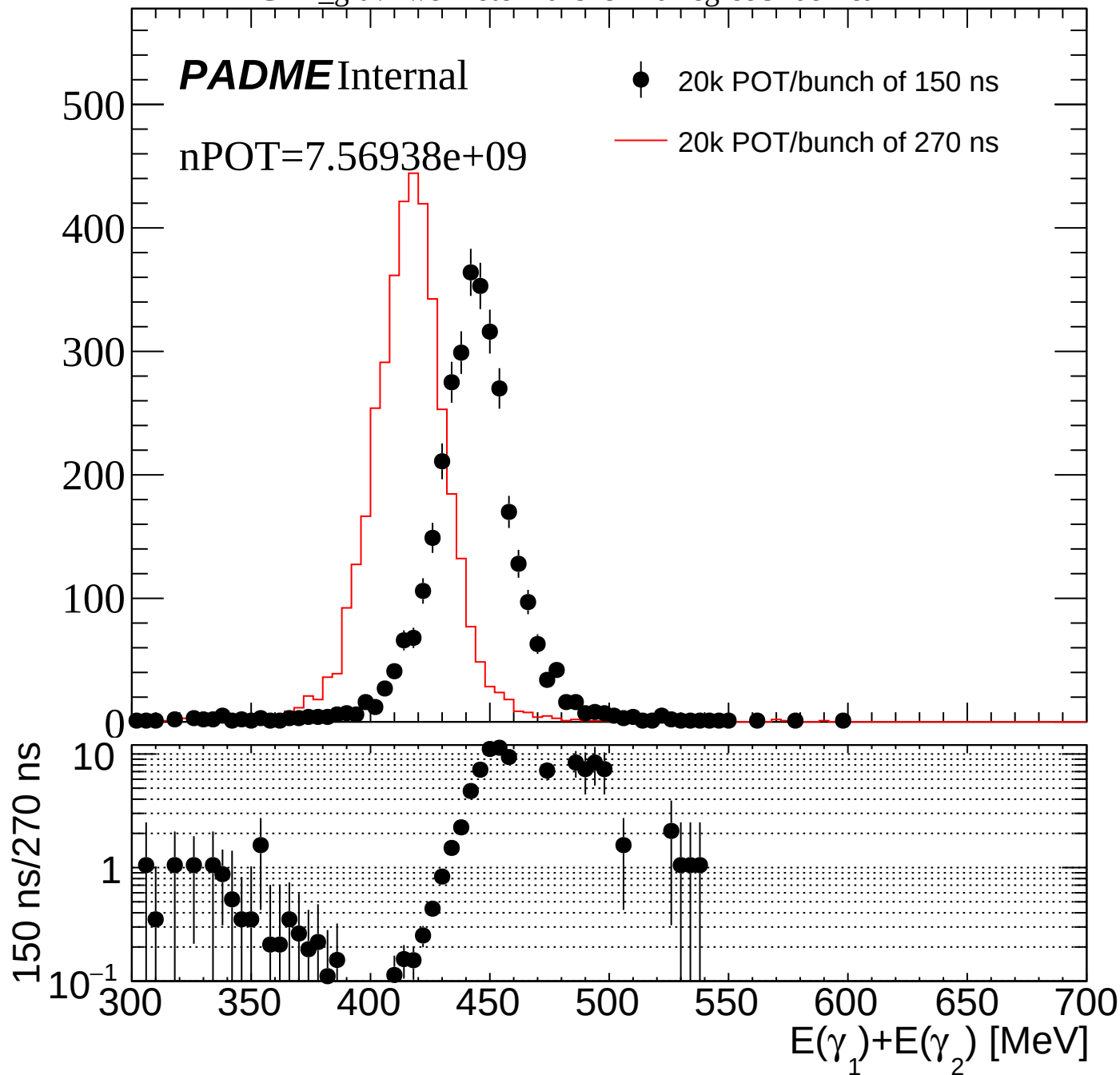
— 20k POT/bunch of 270 ns

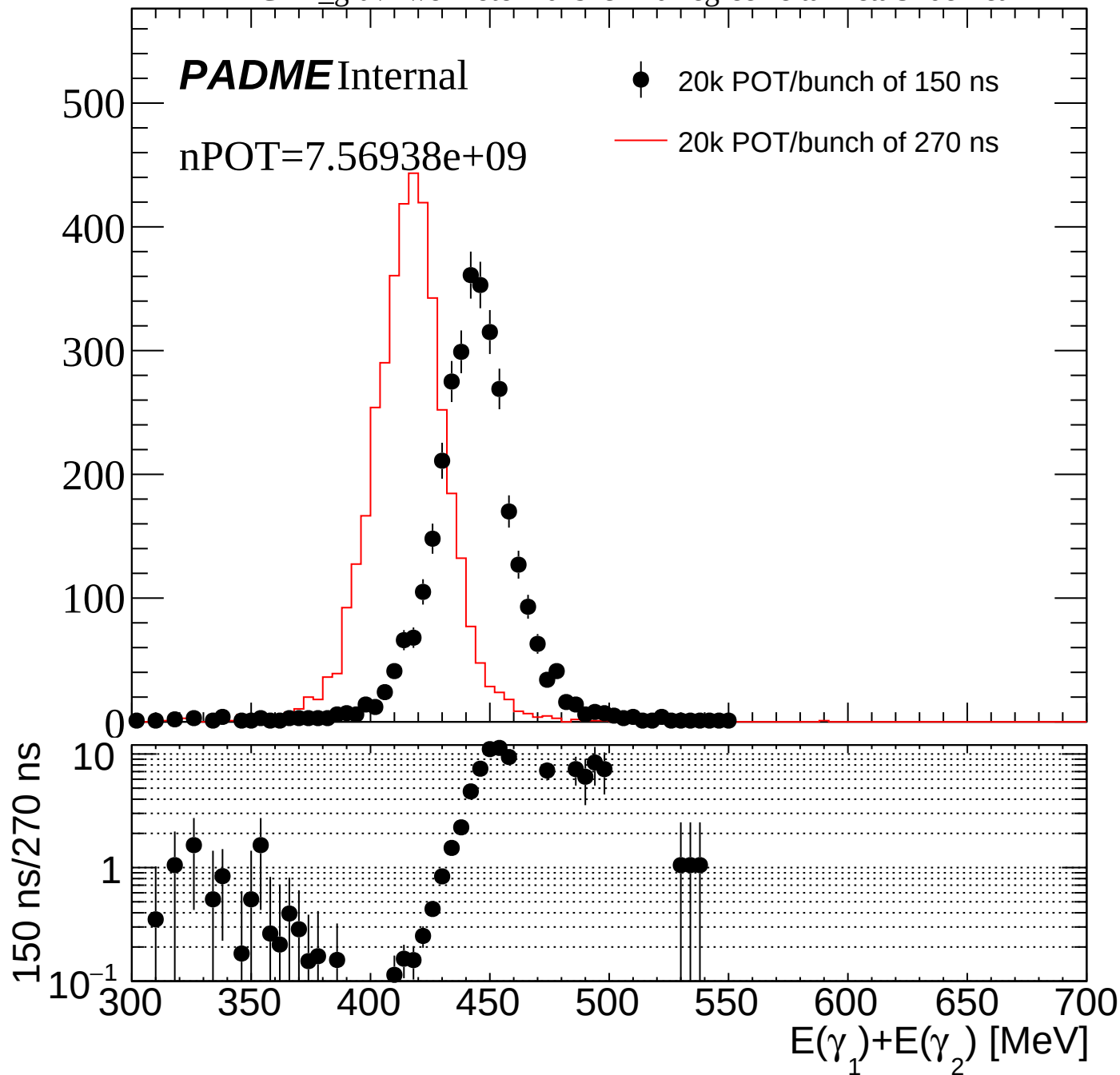


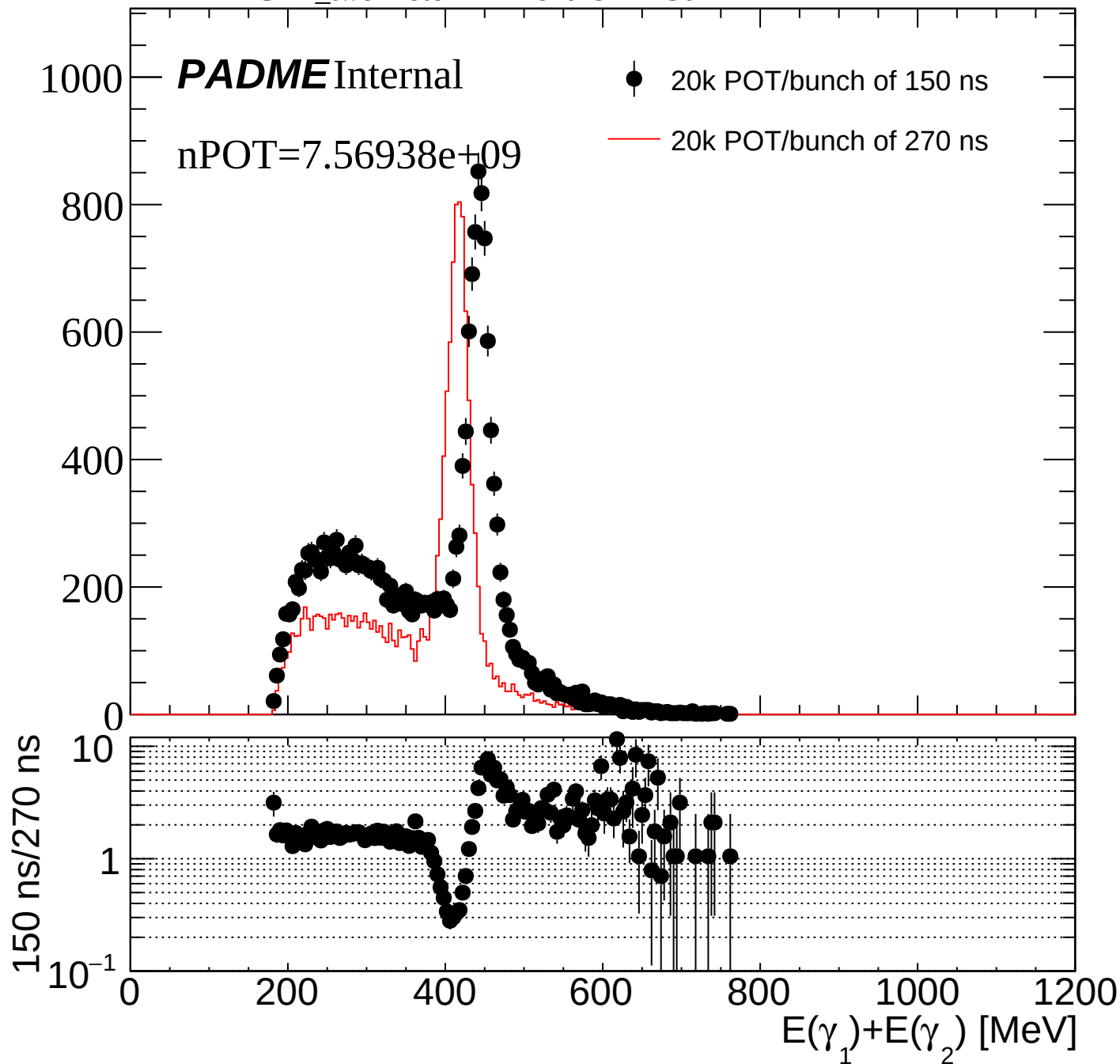


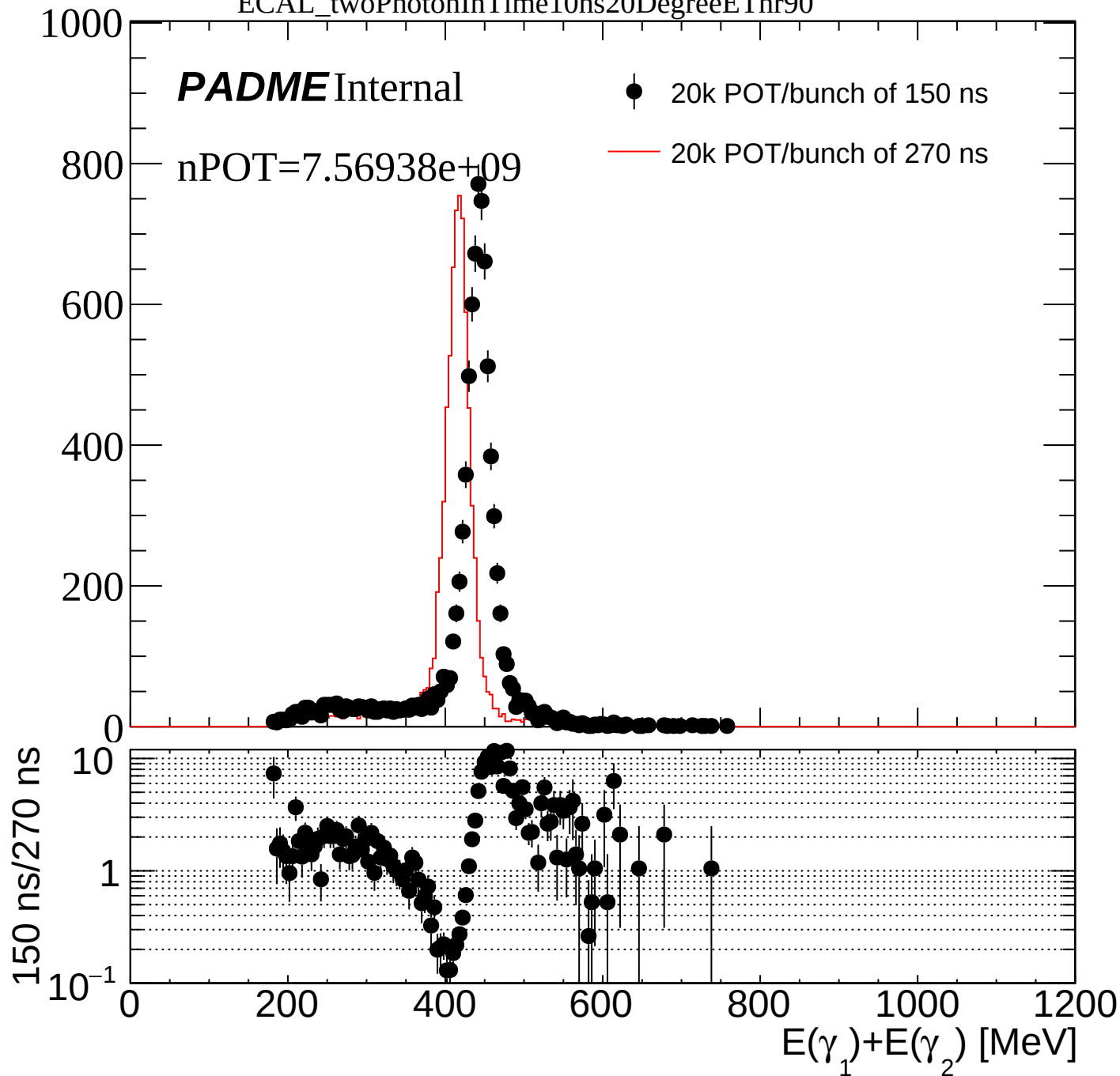


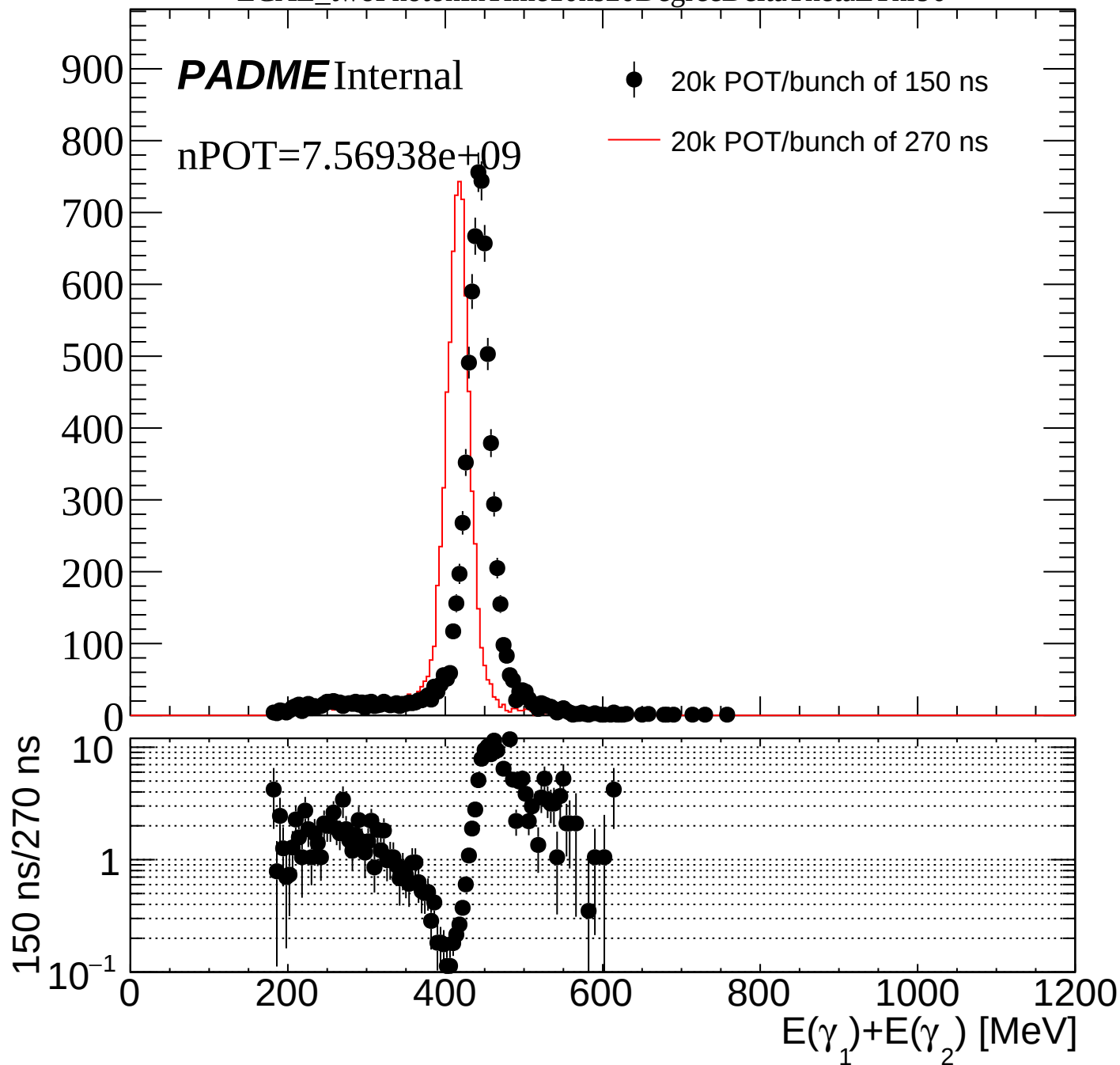


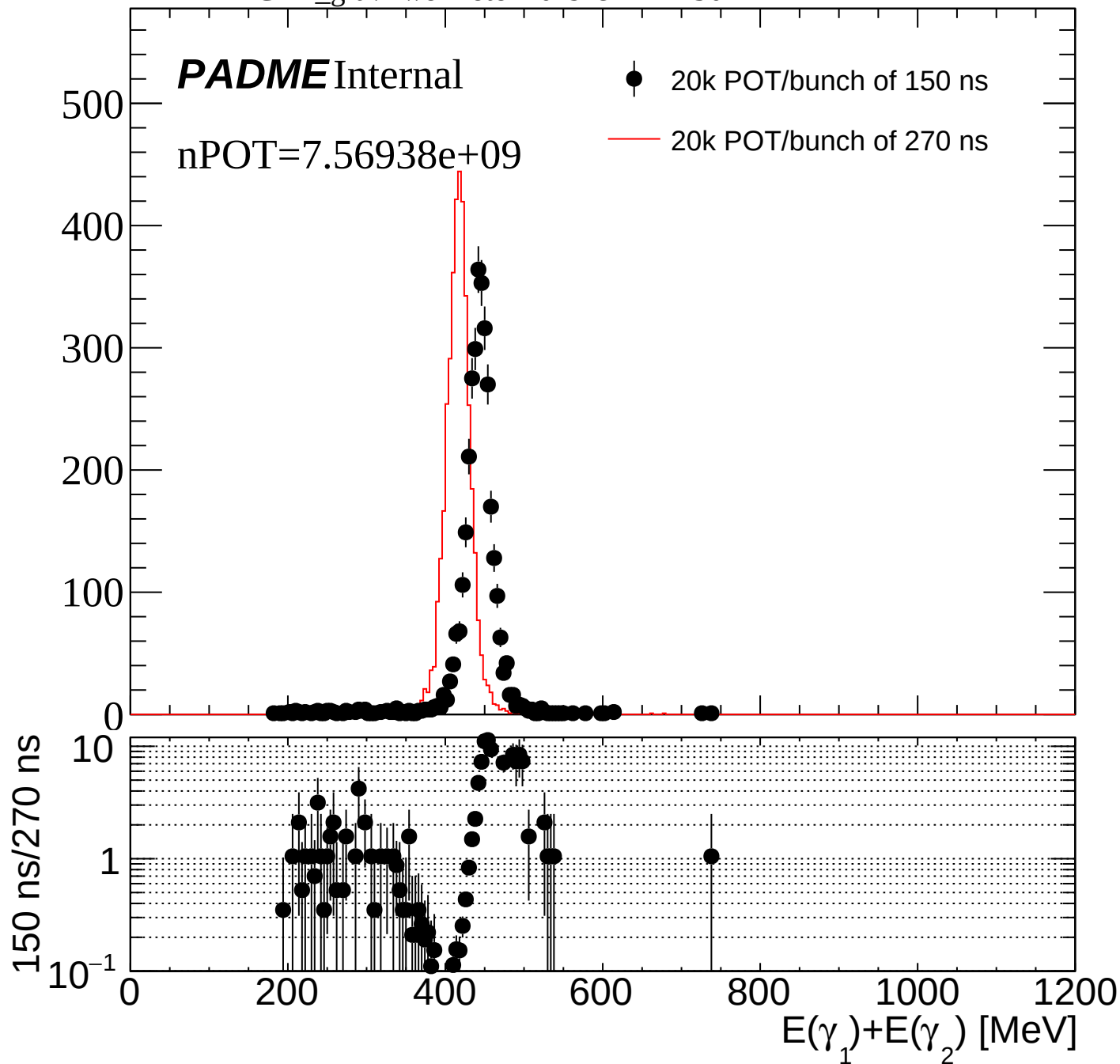


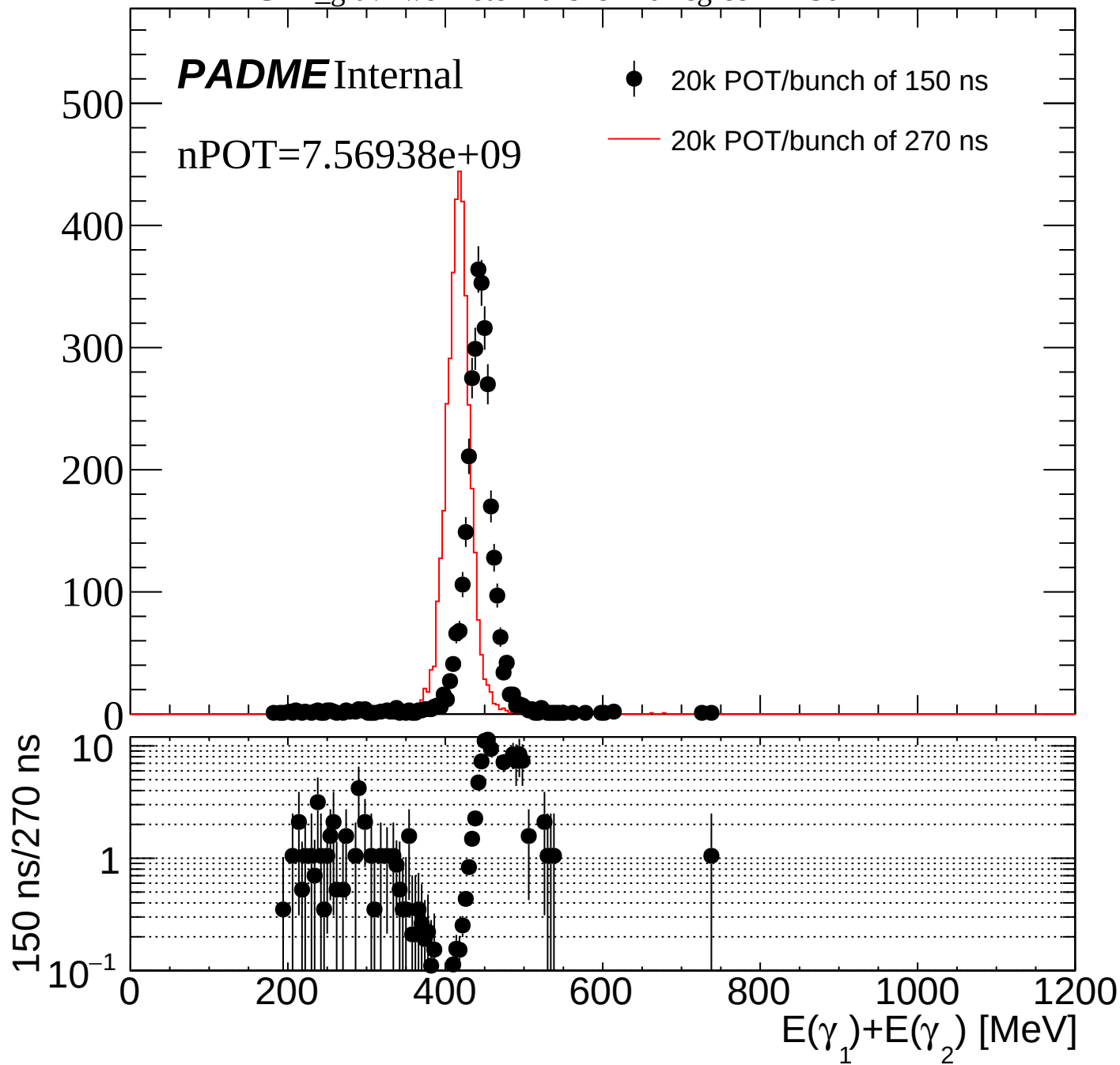


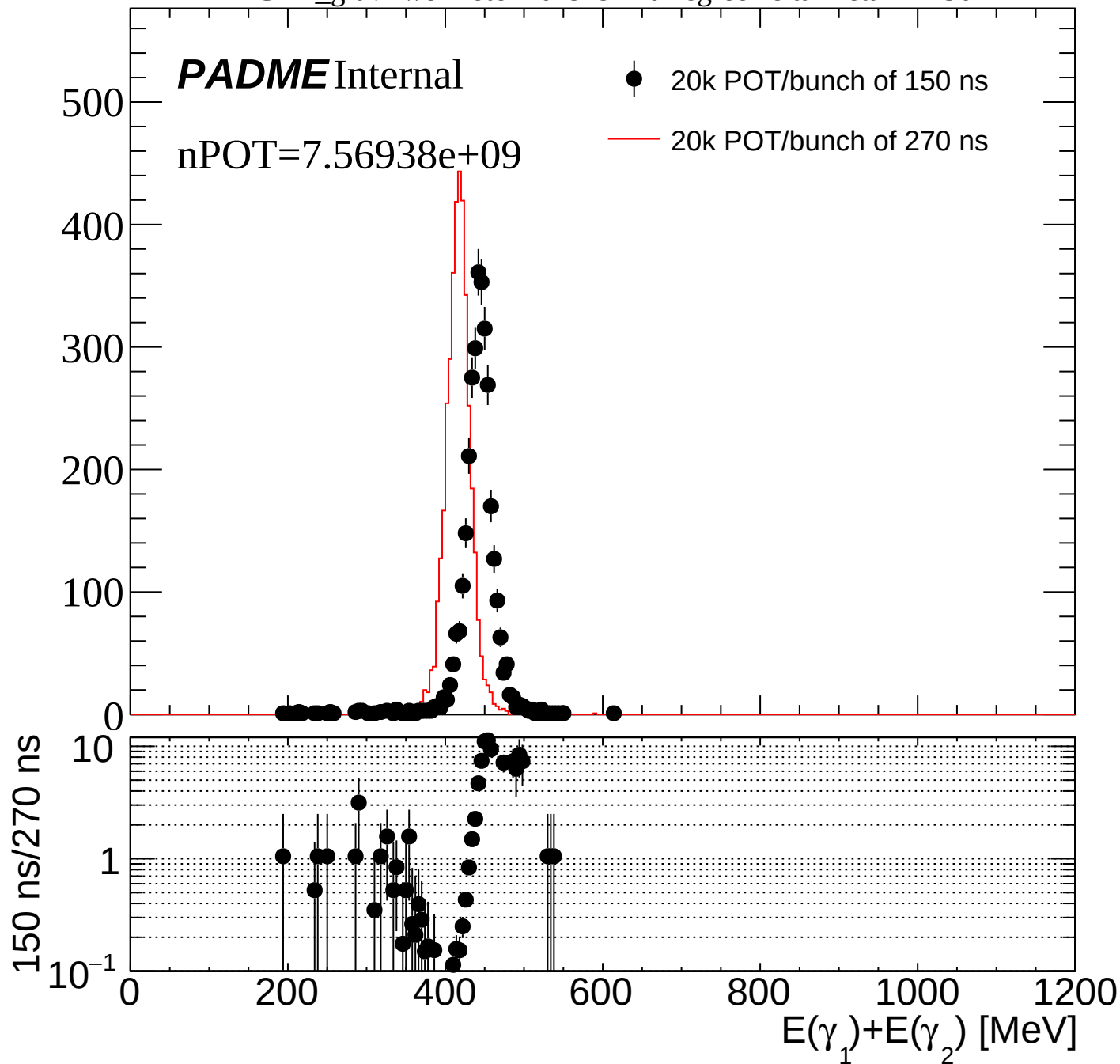


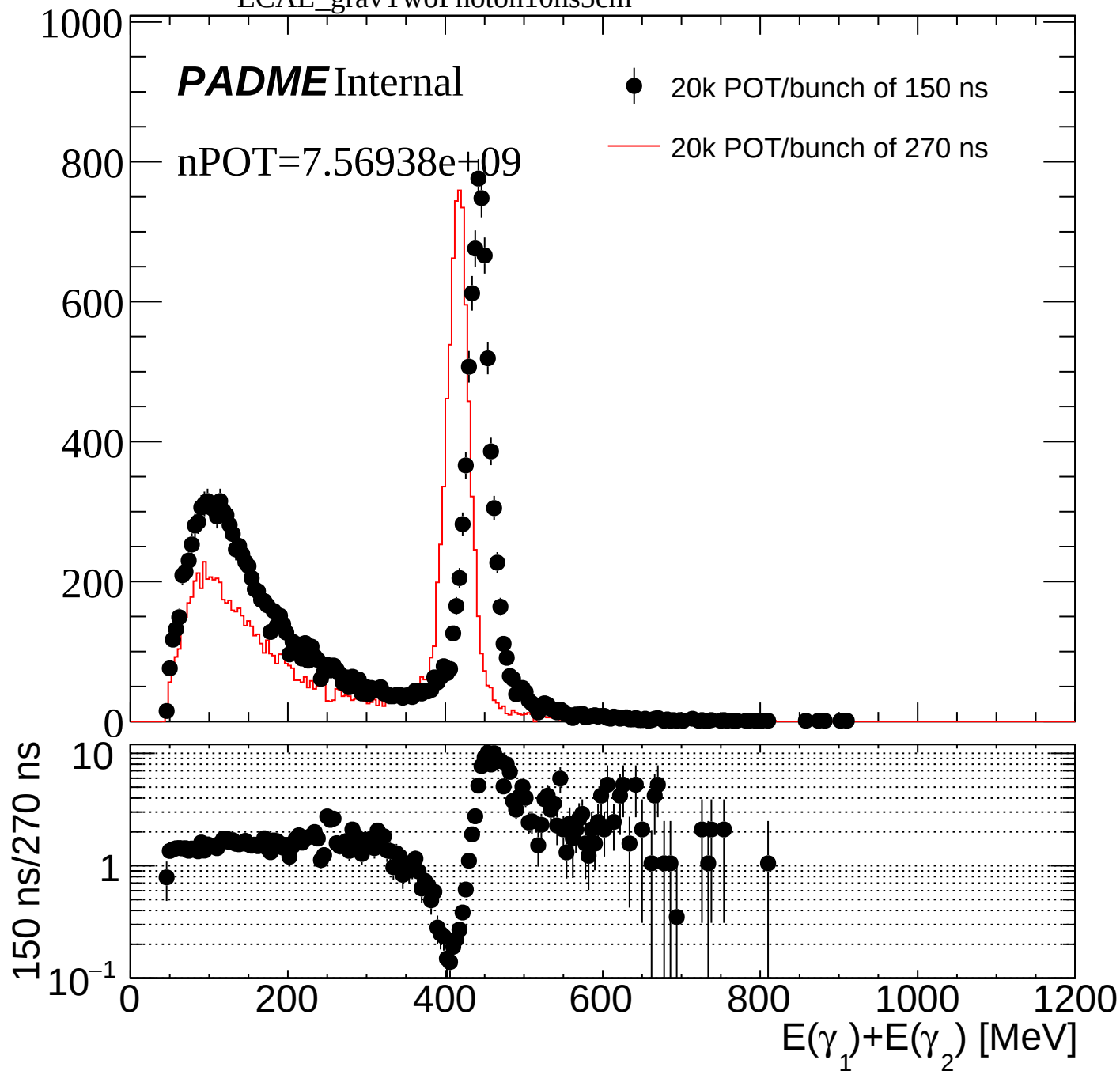


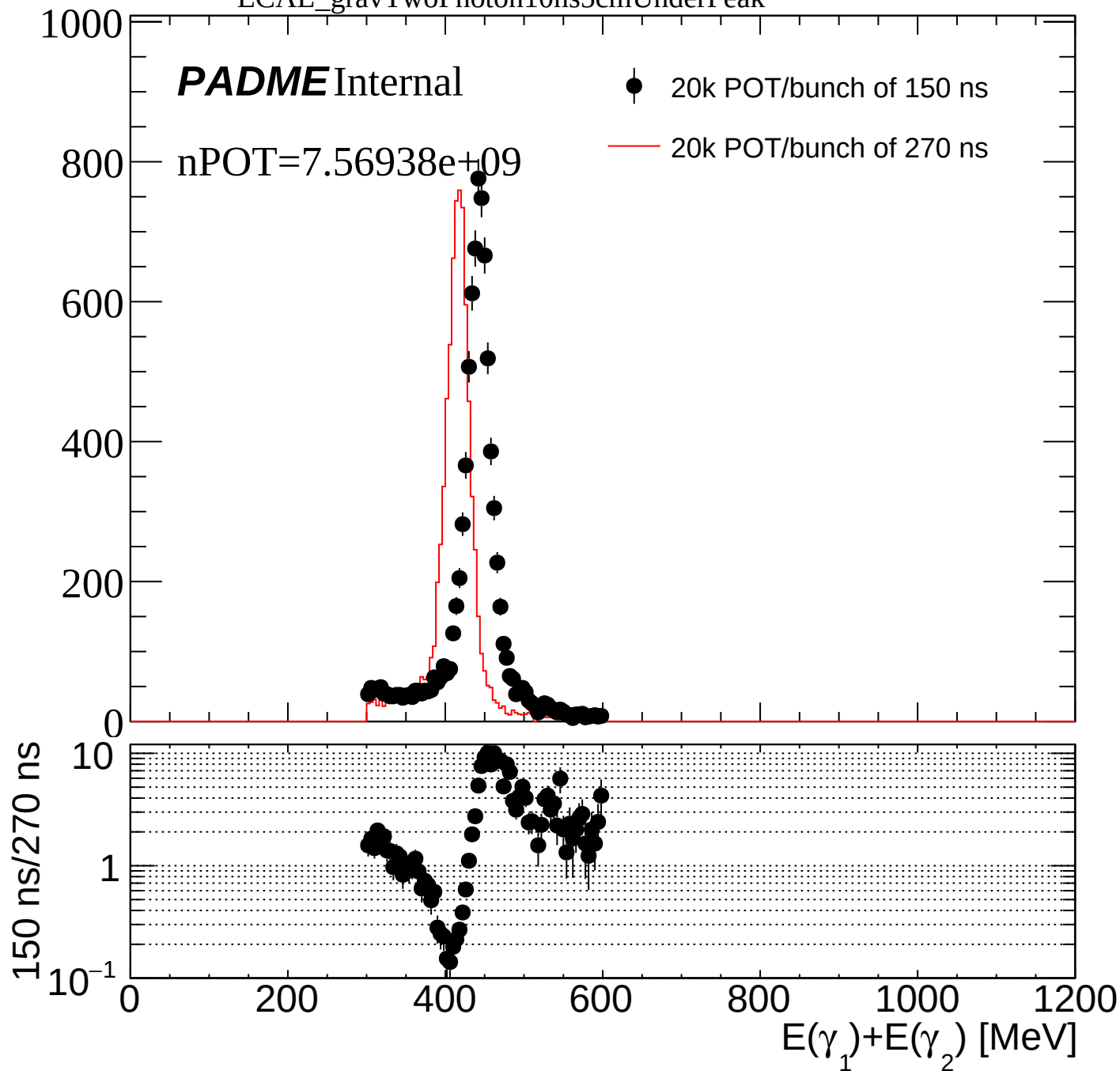


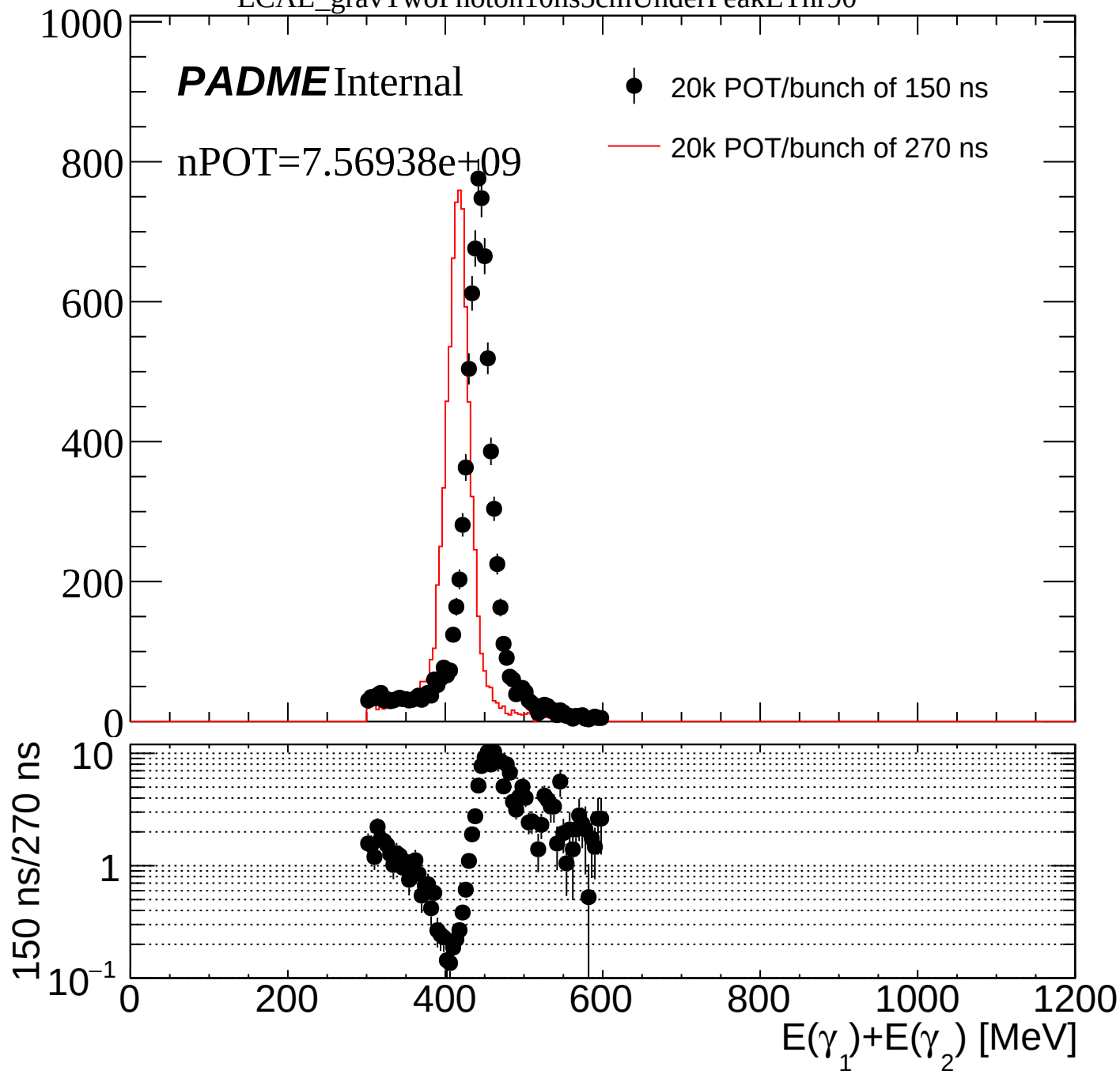


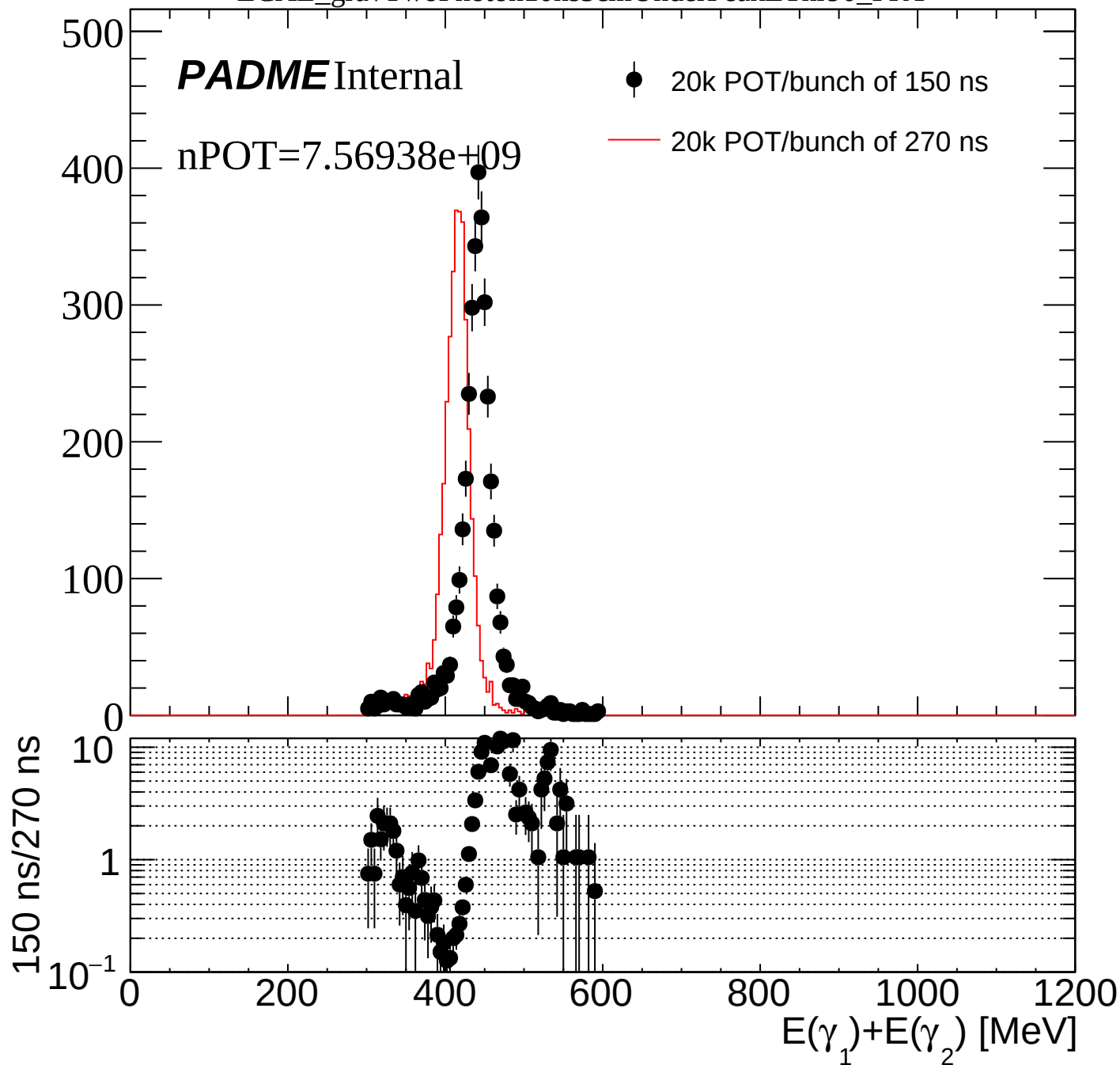


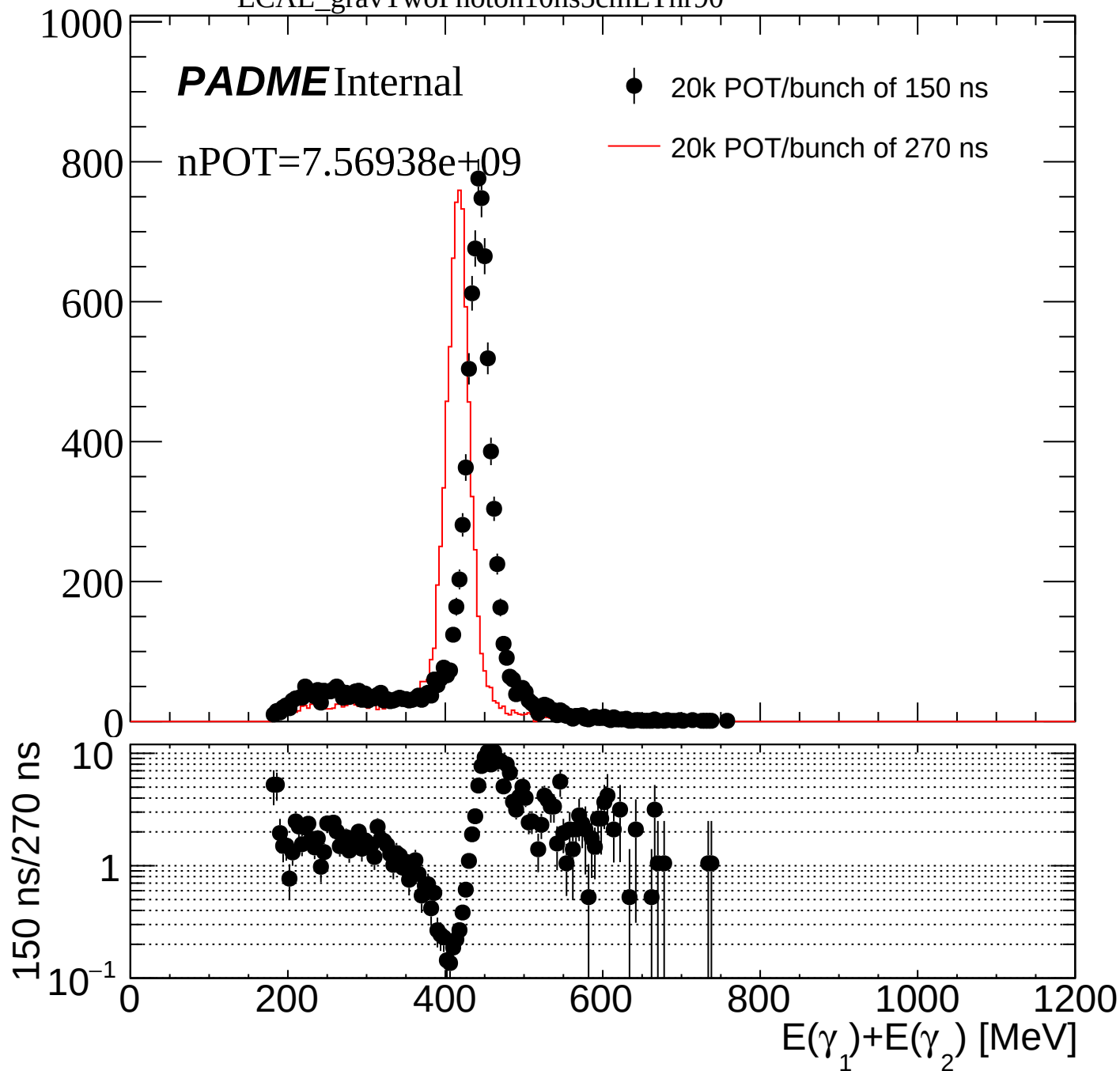


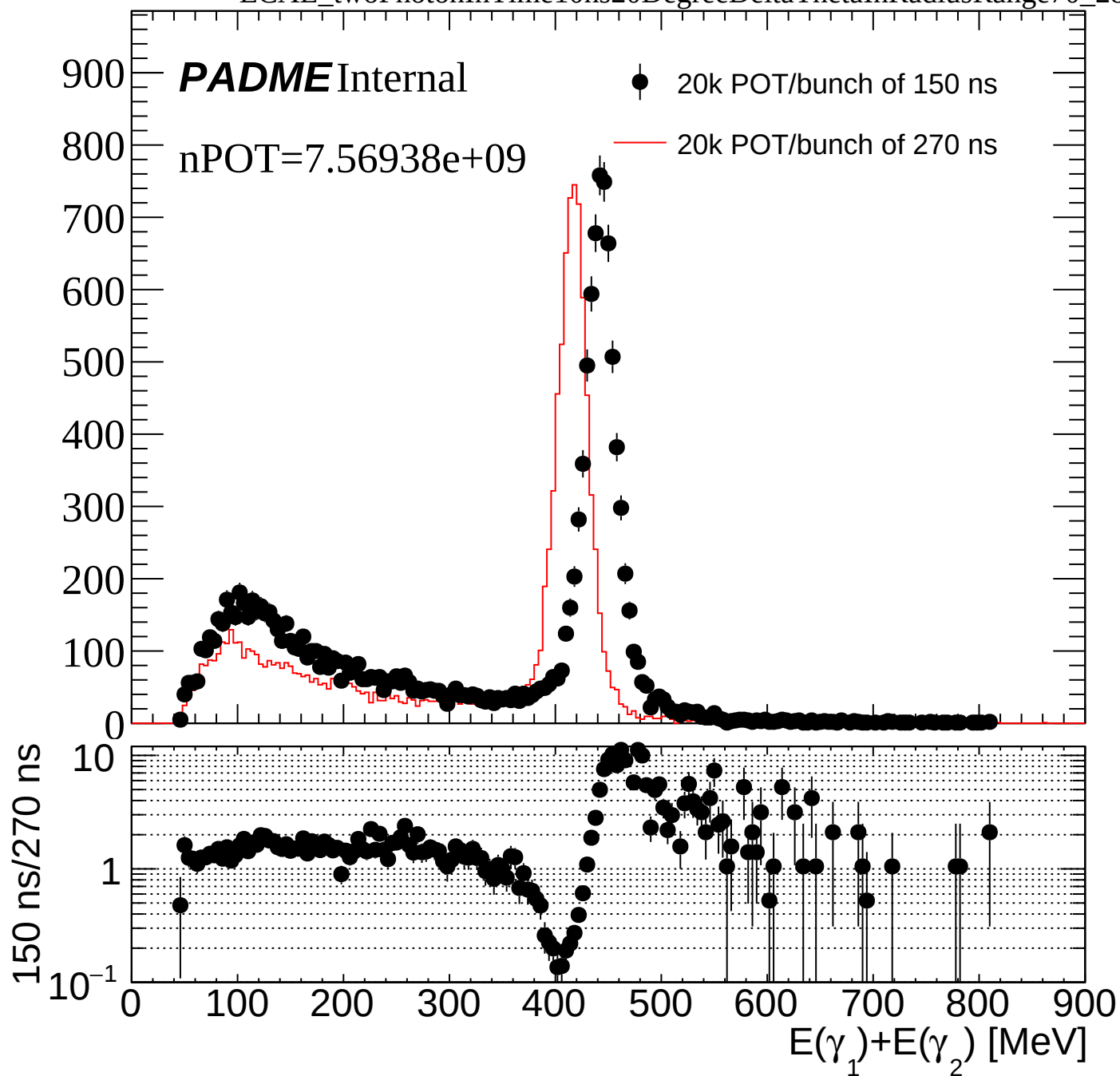


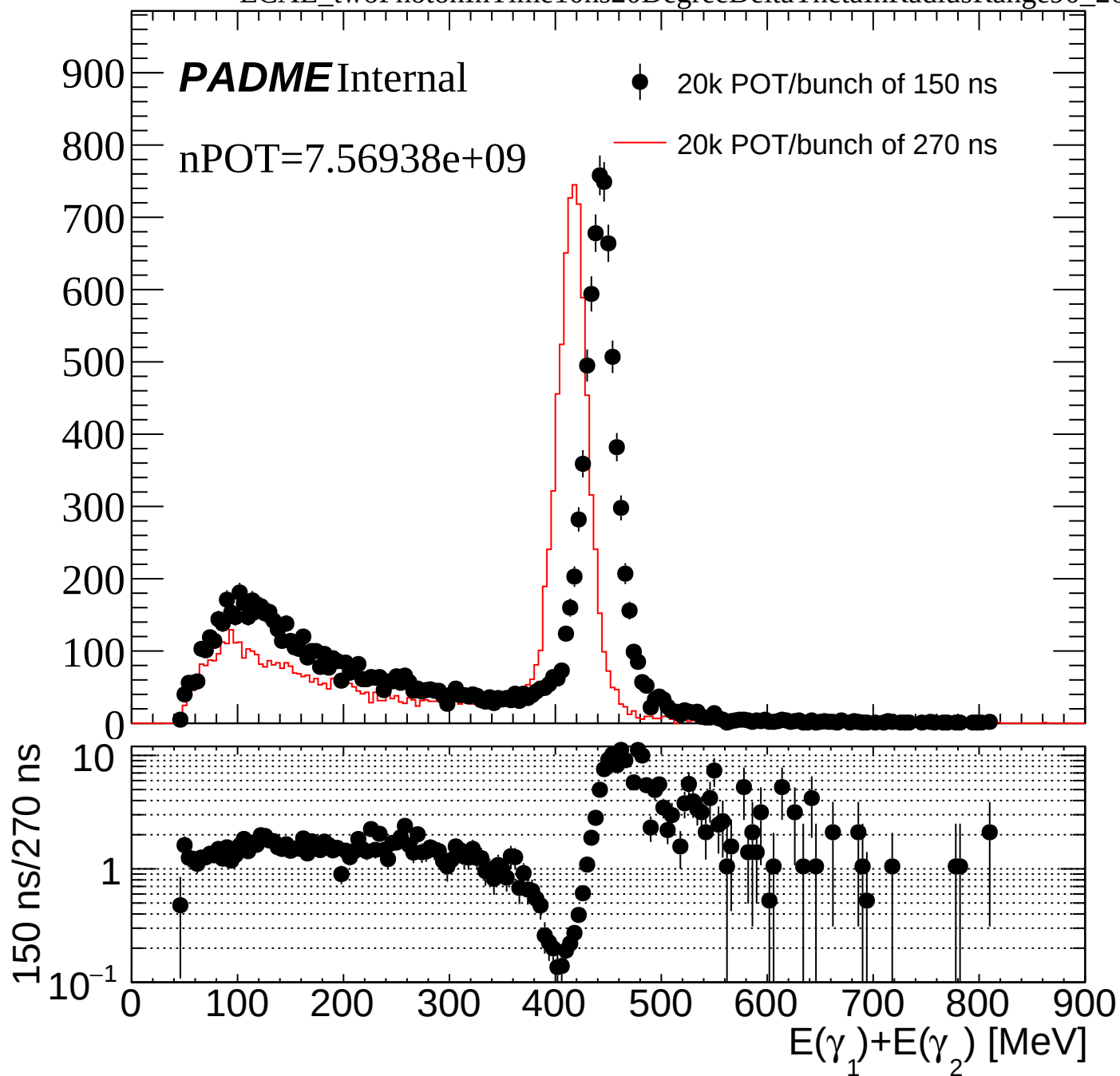


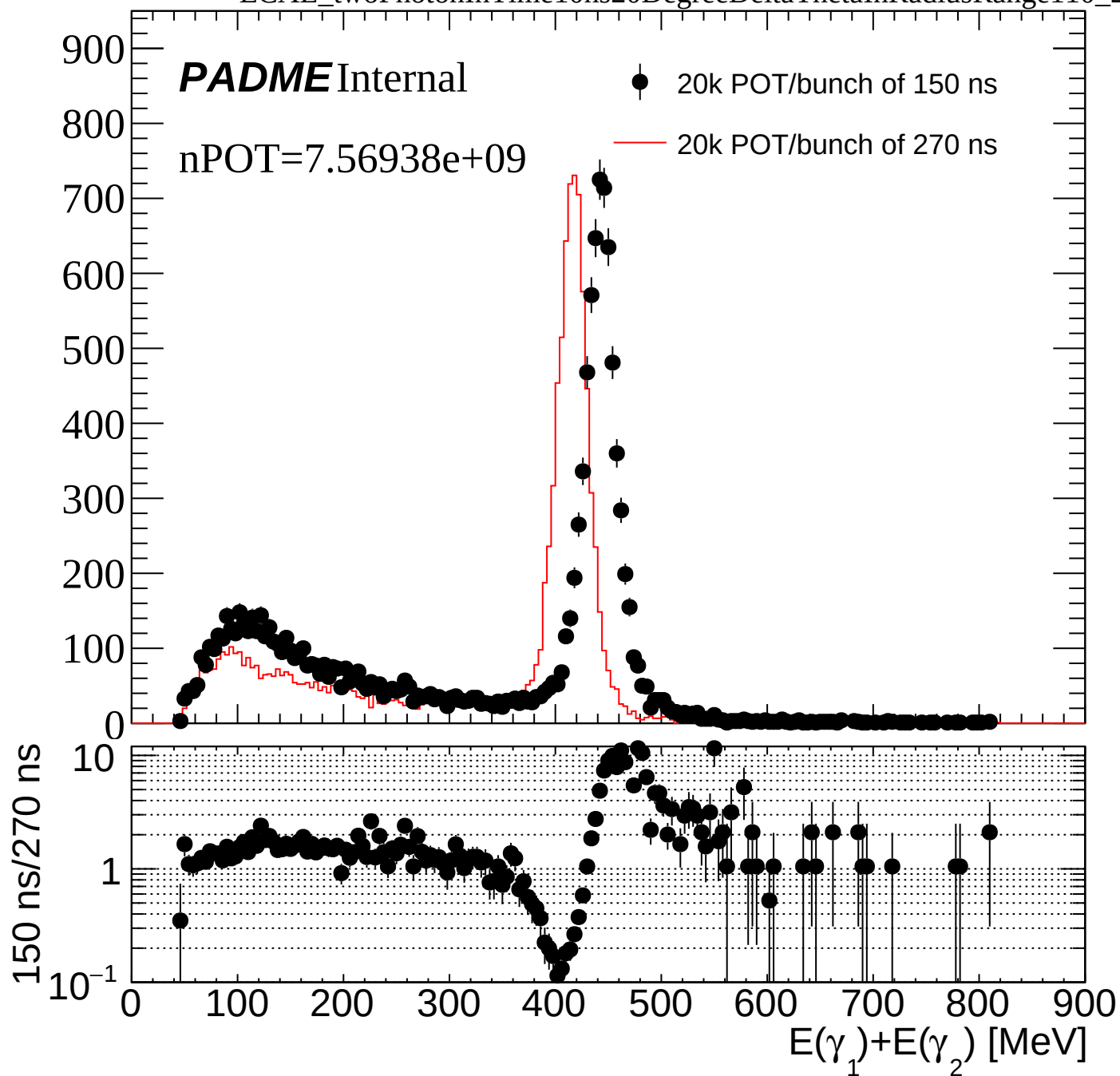


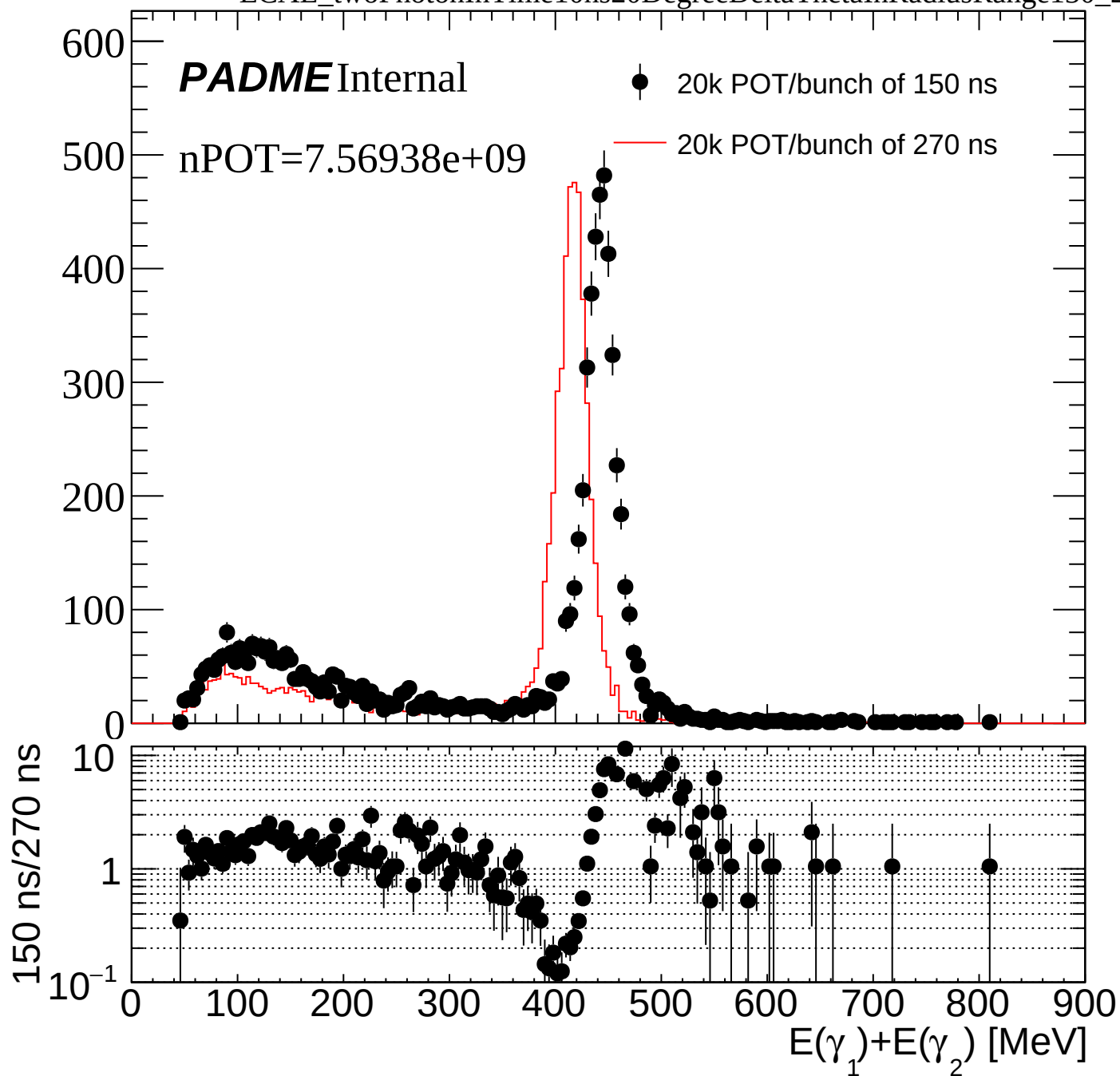


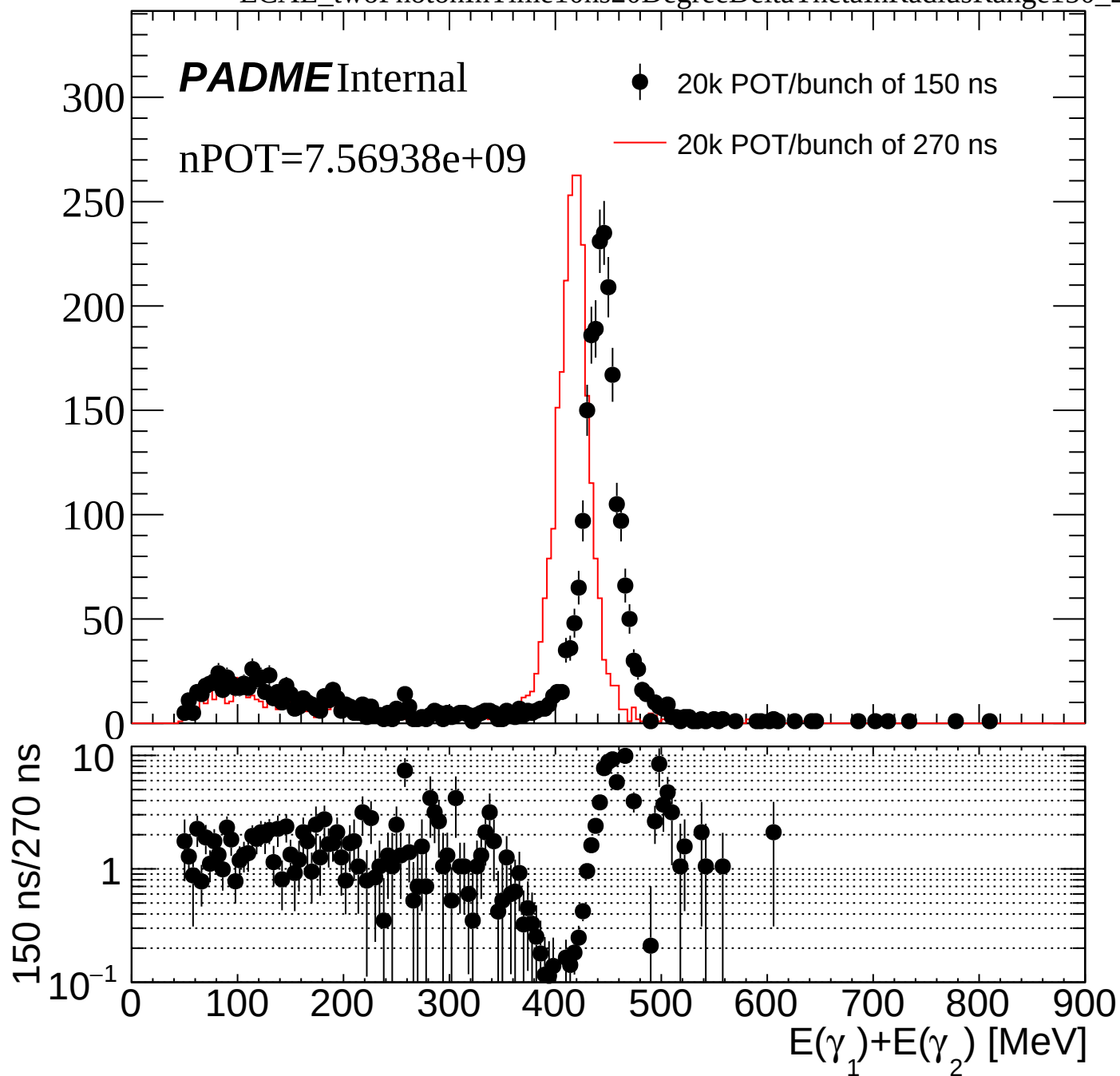


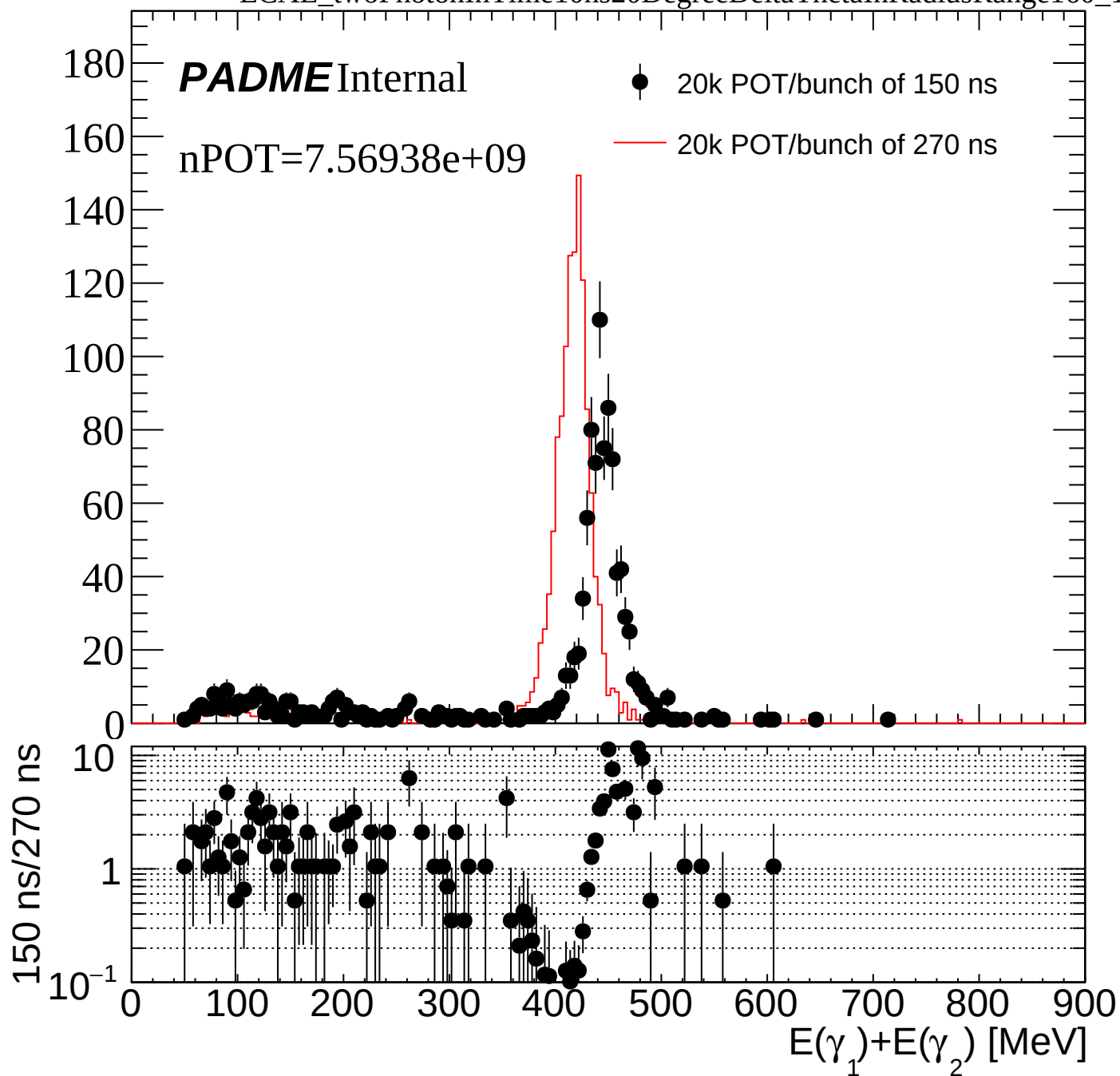


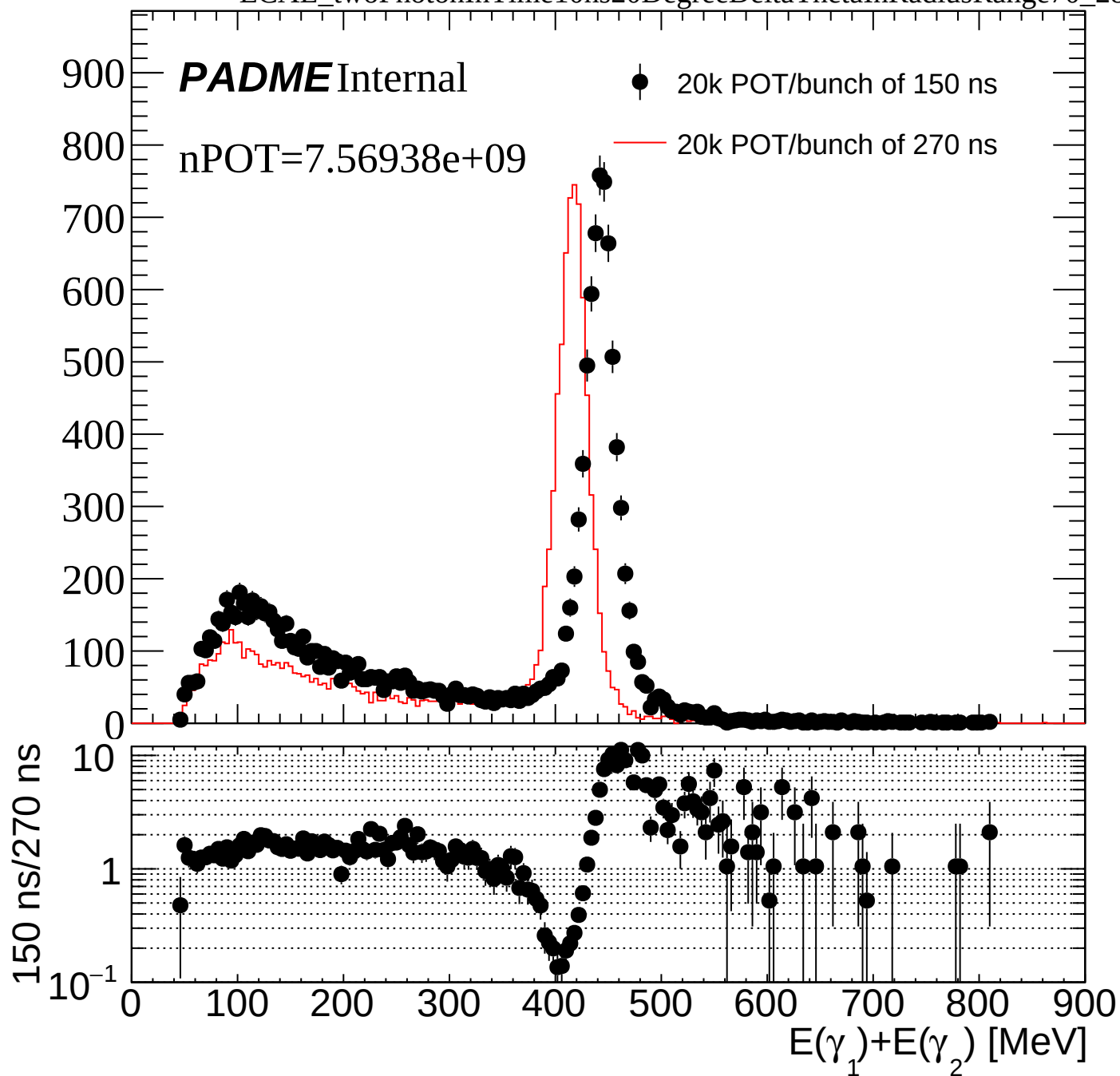


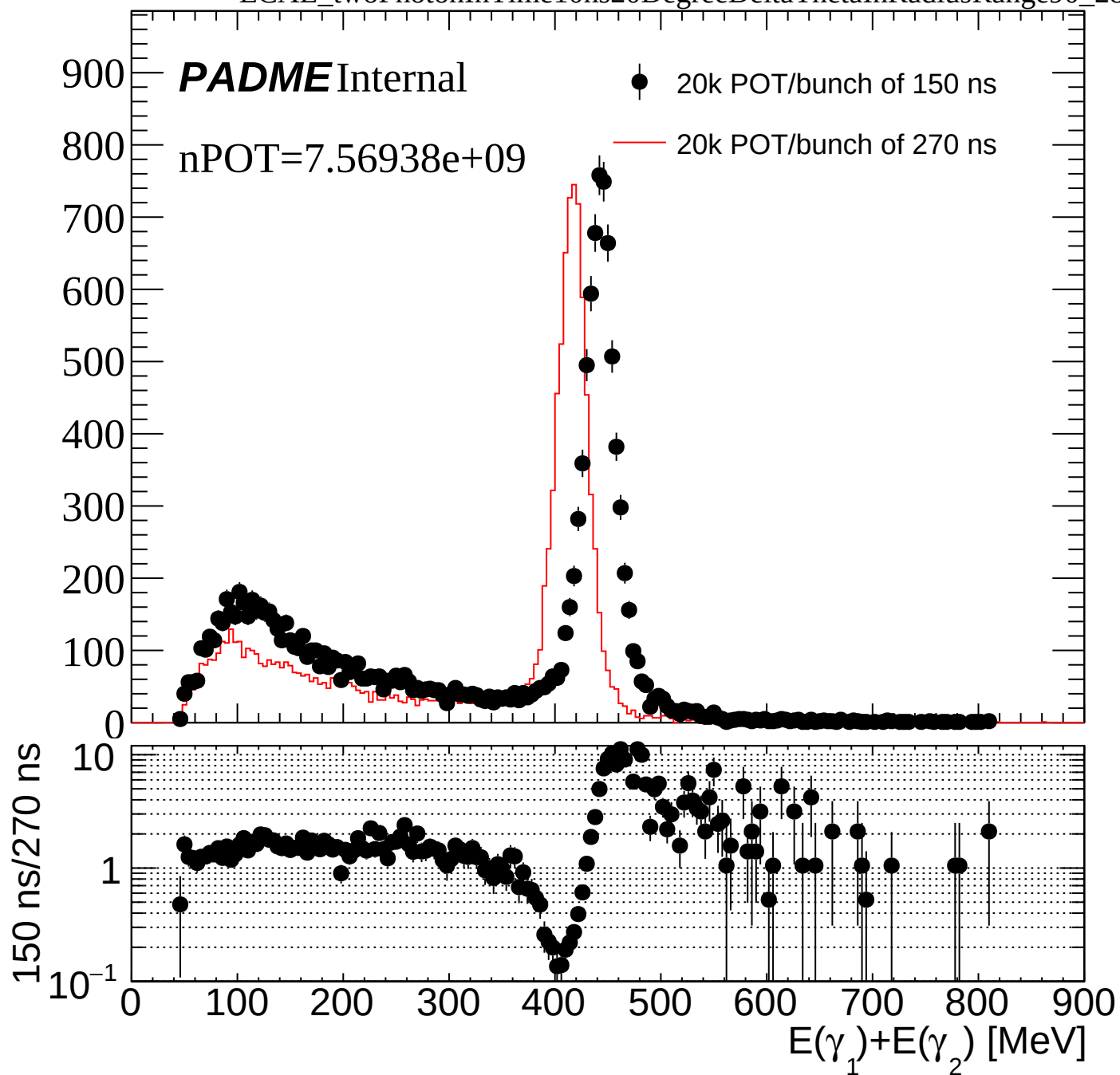


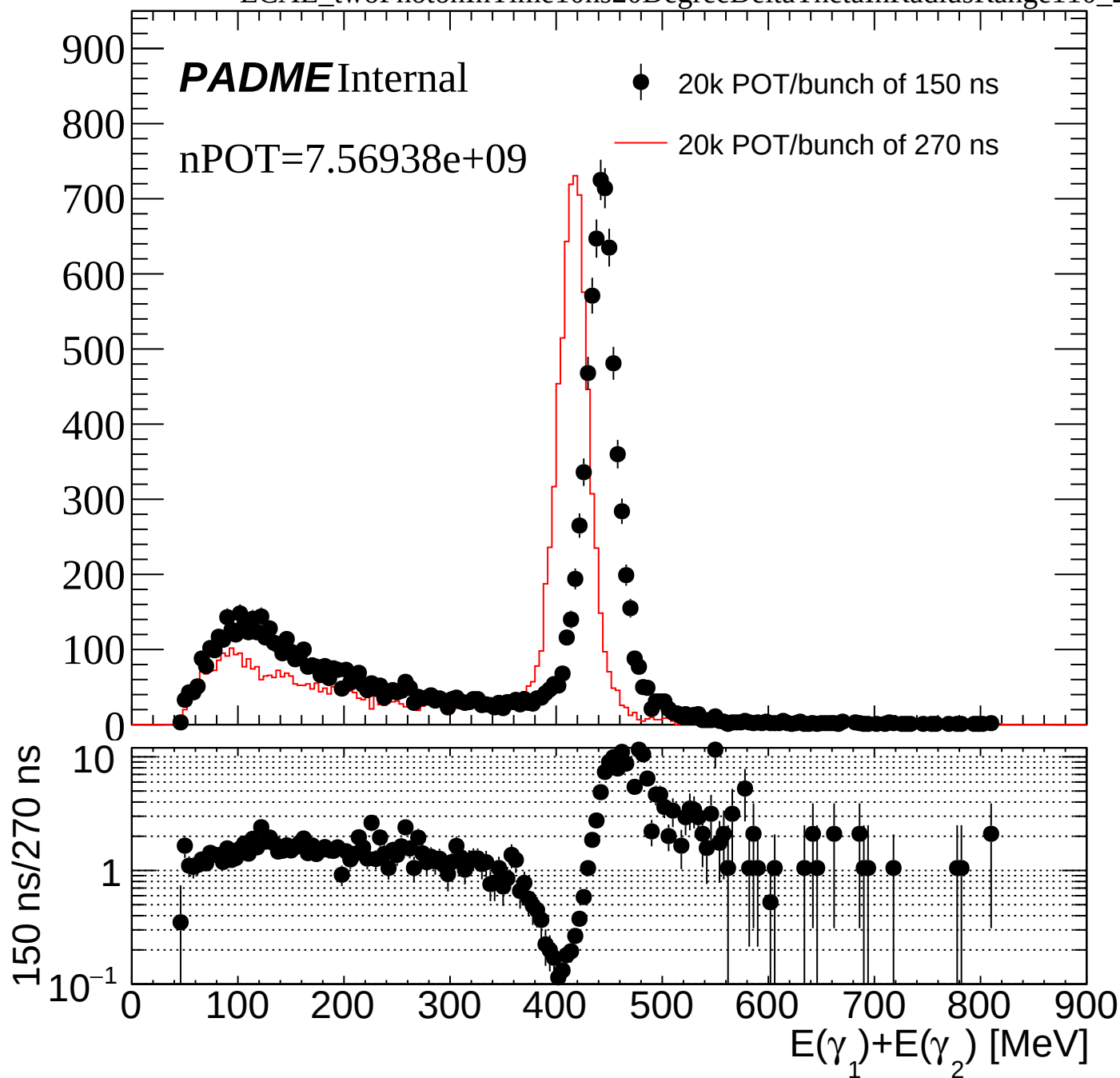


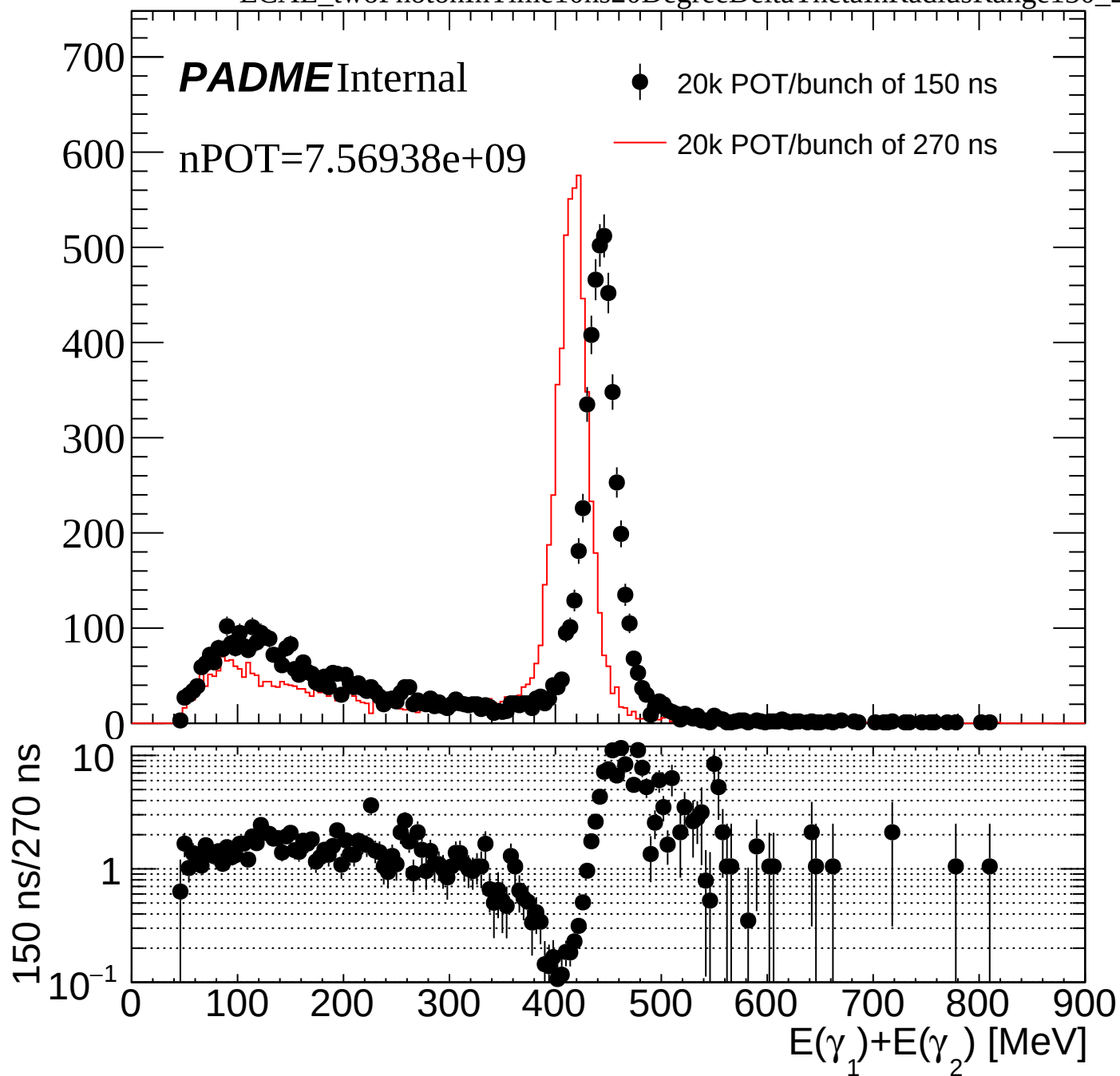


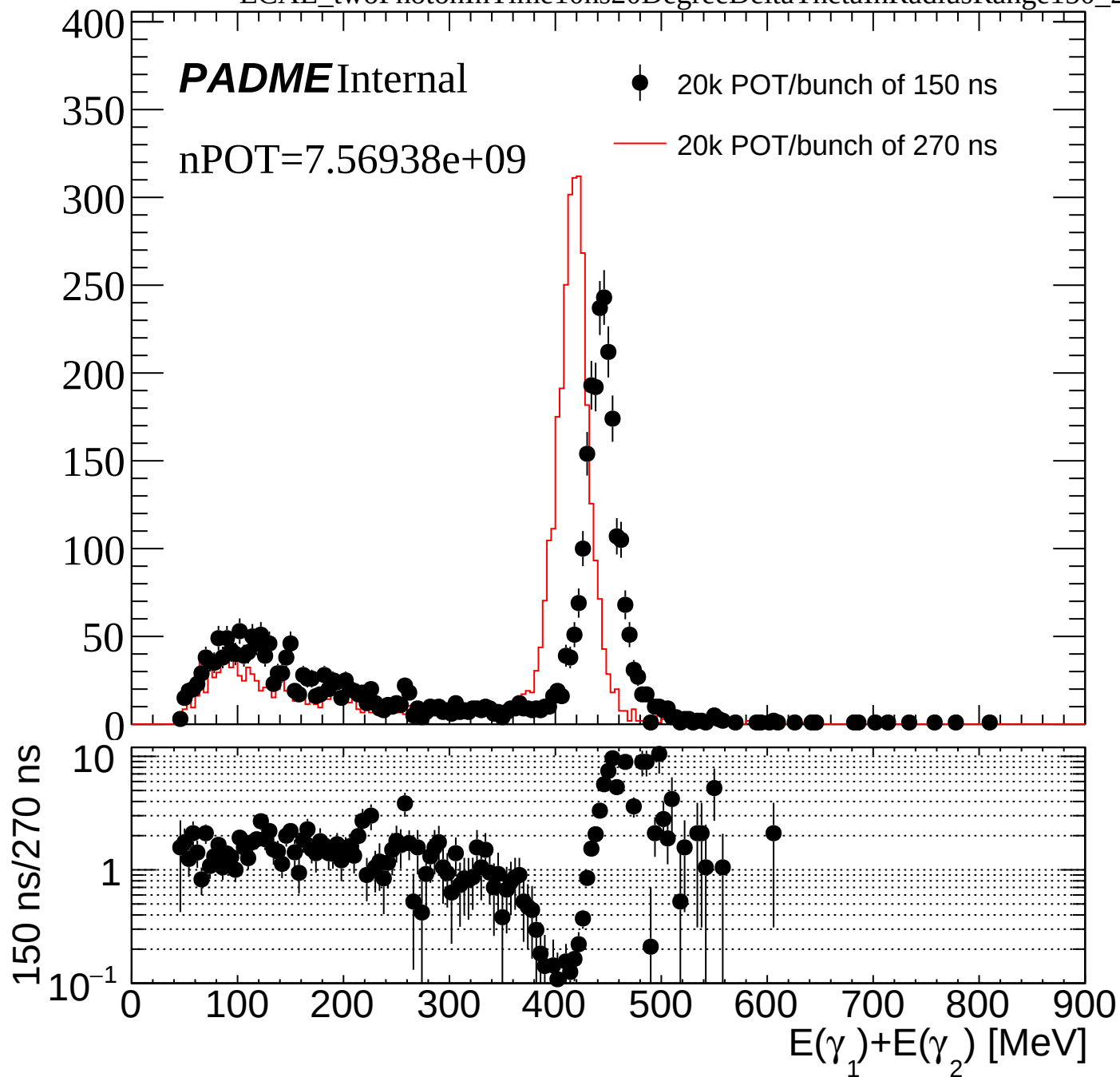


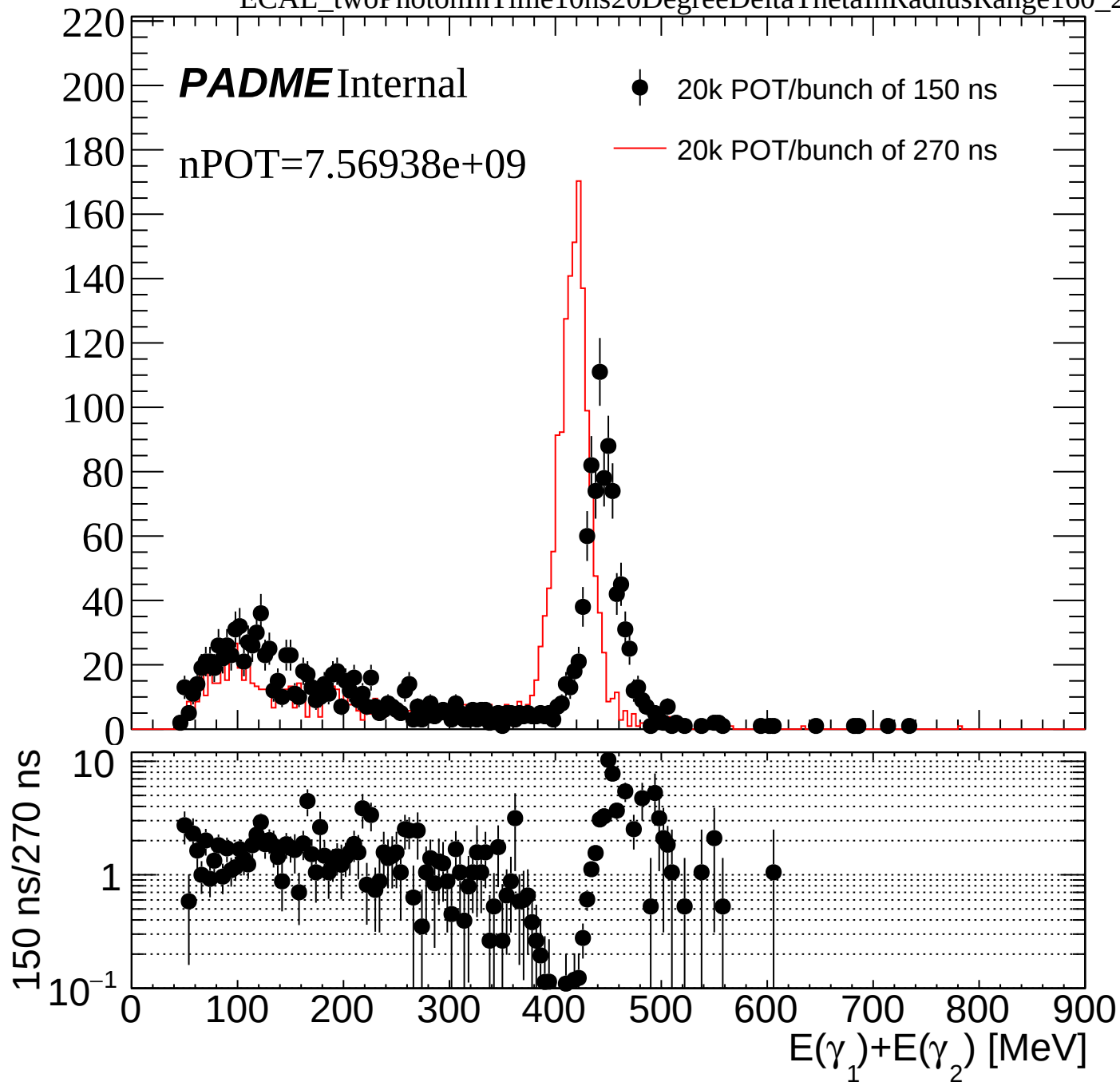


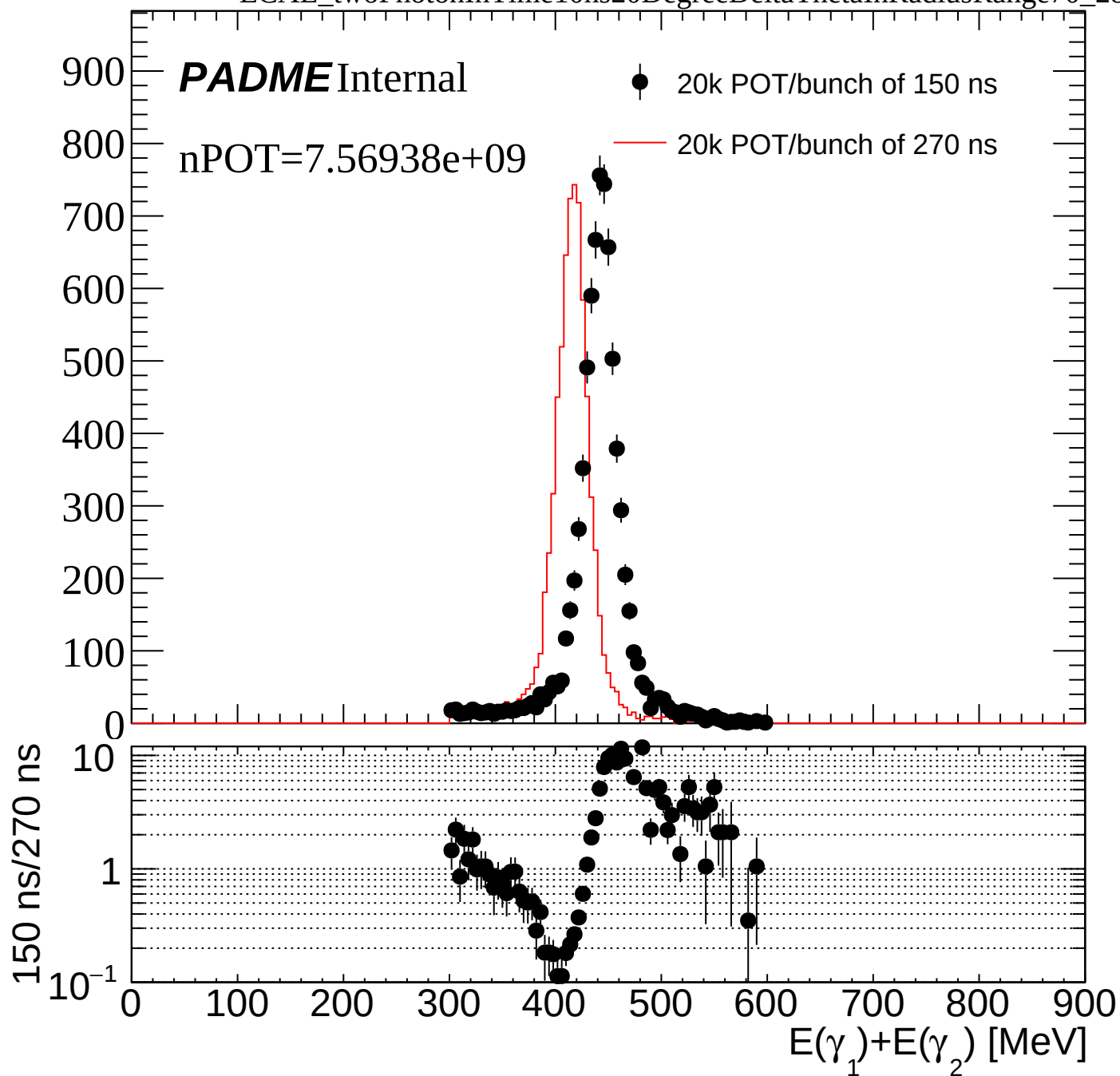


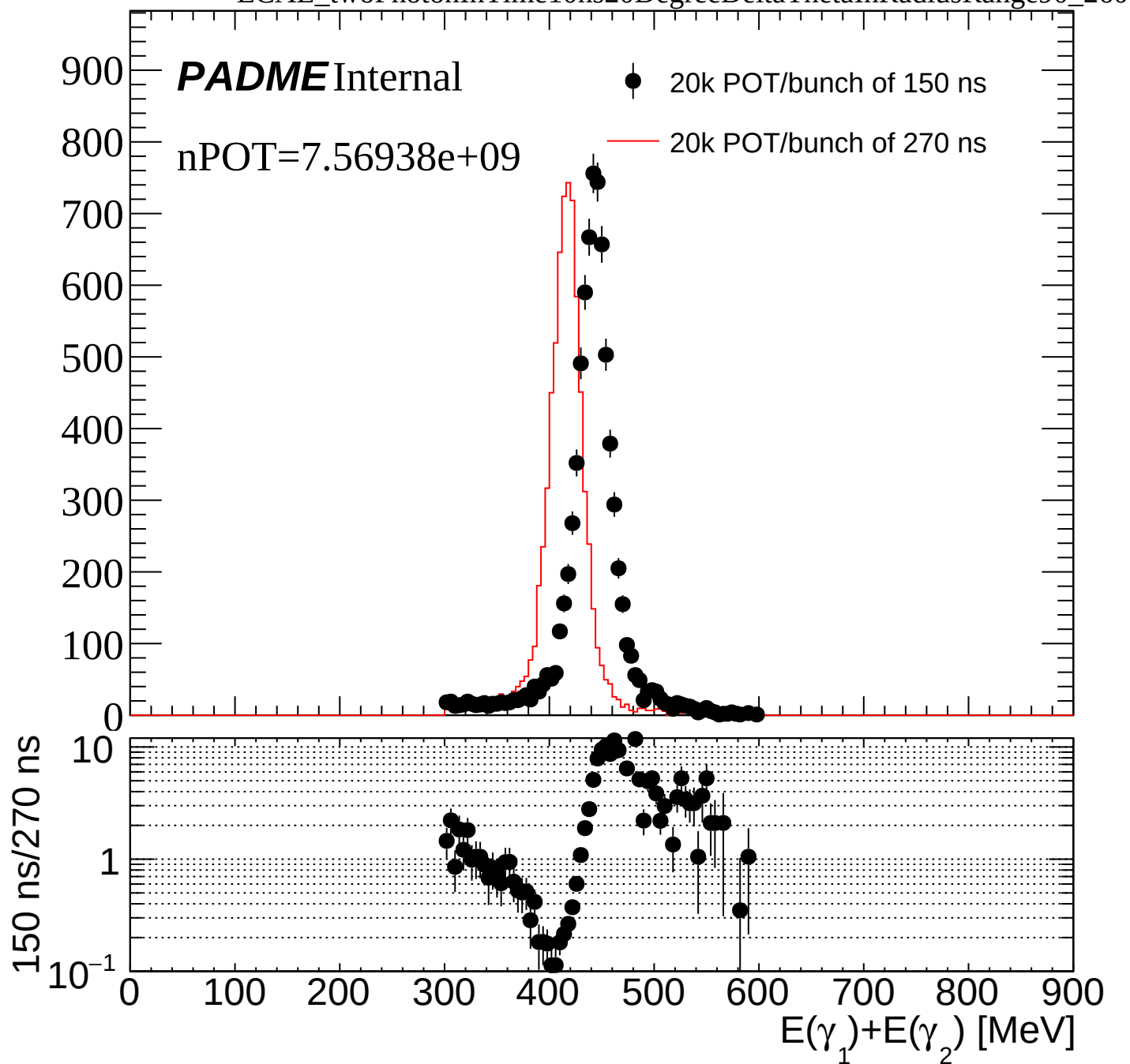


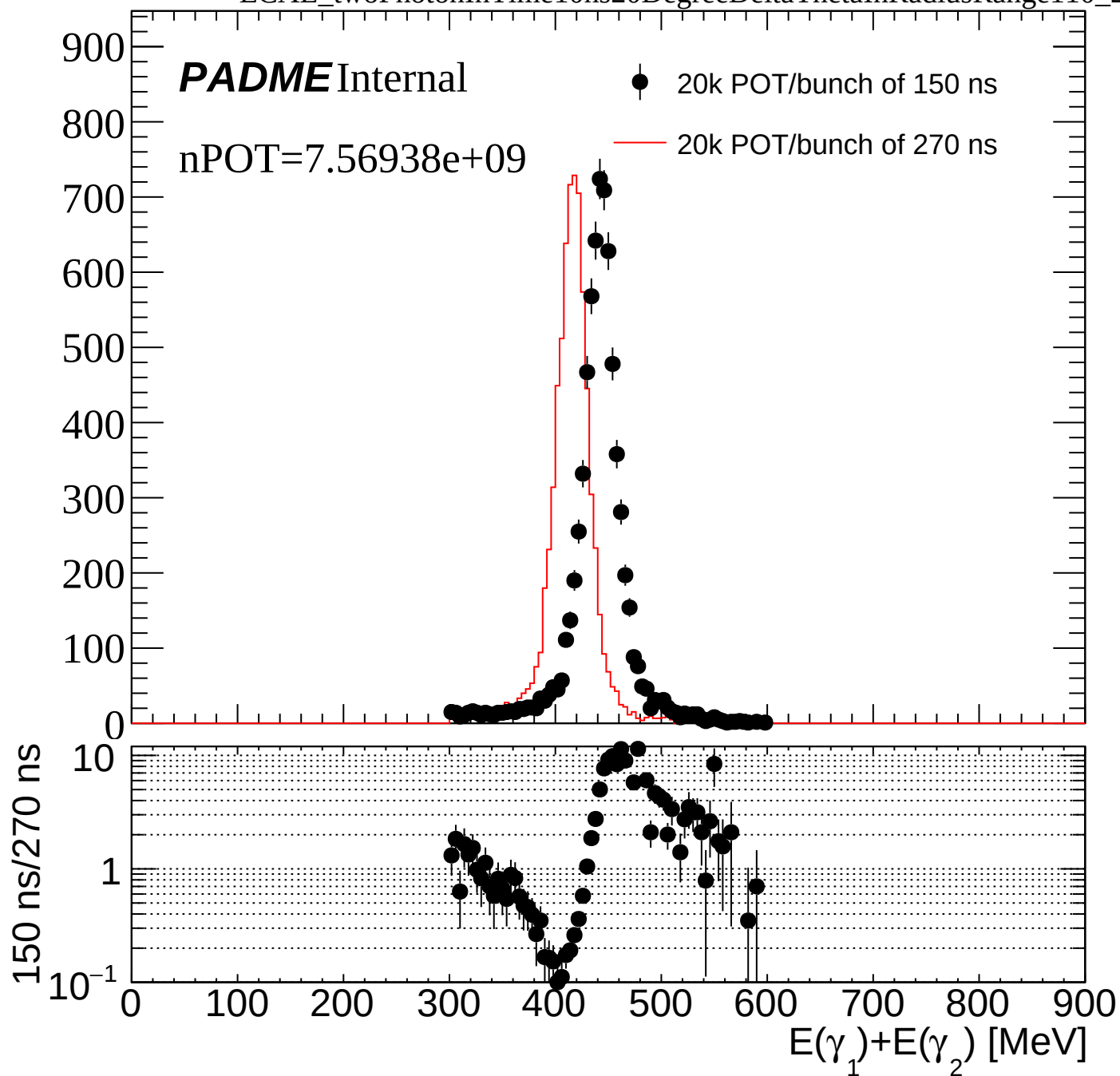


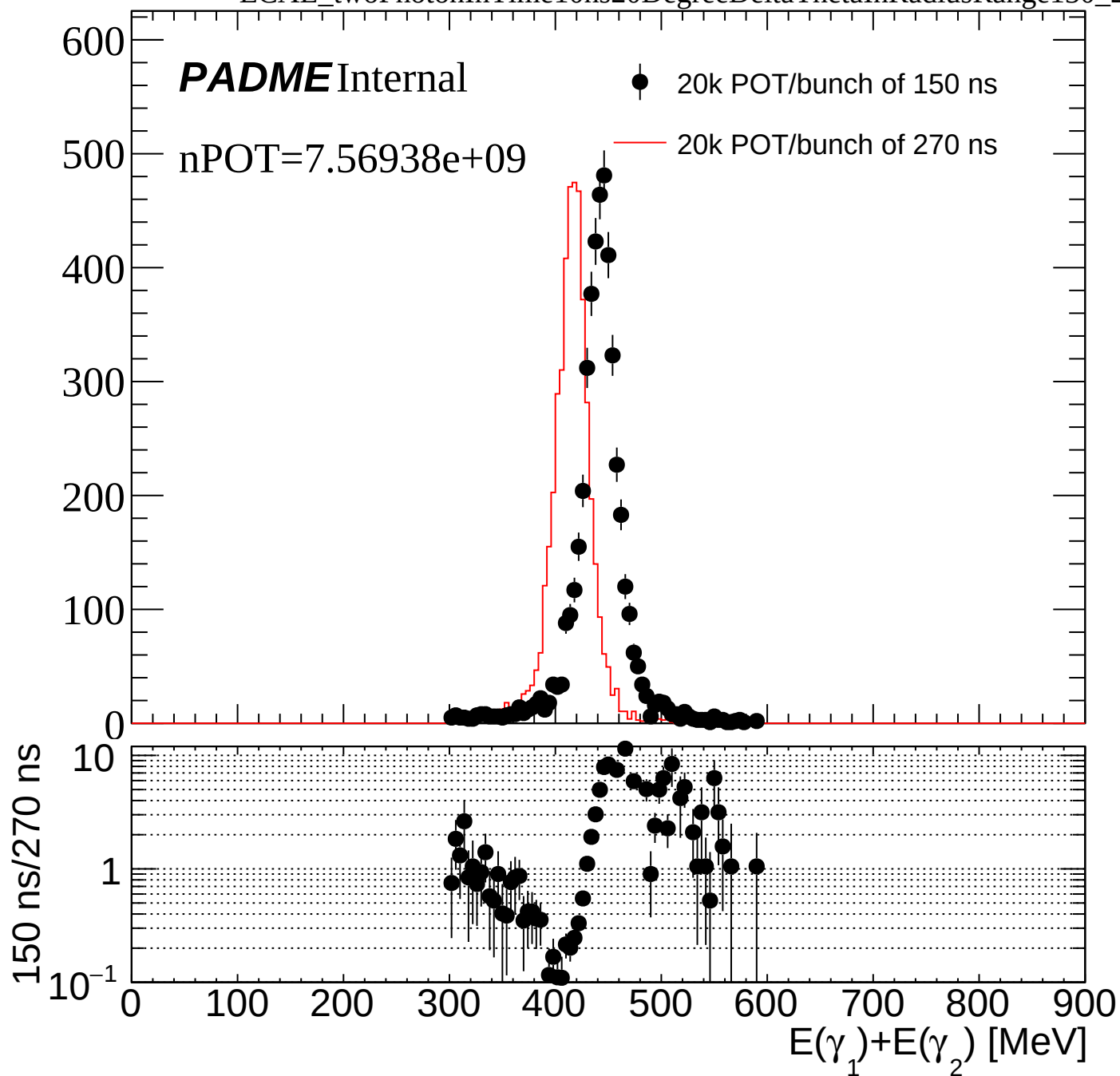


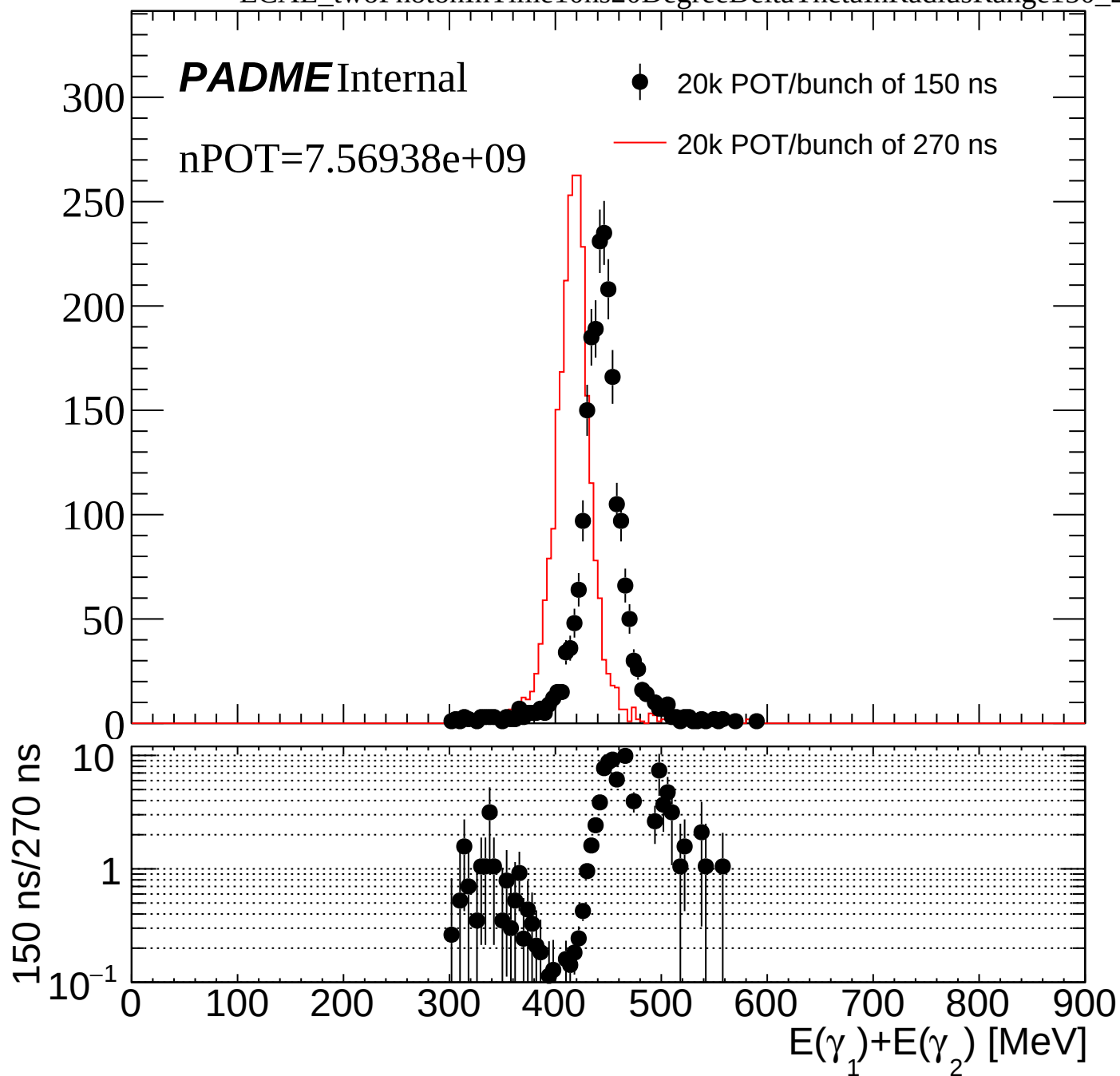


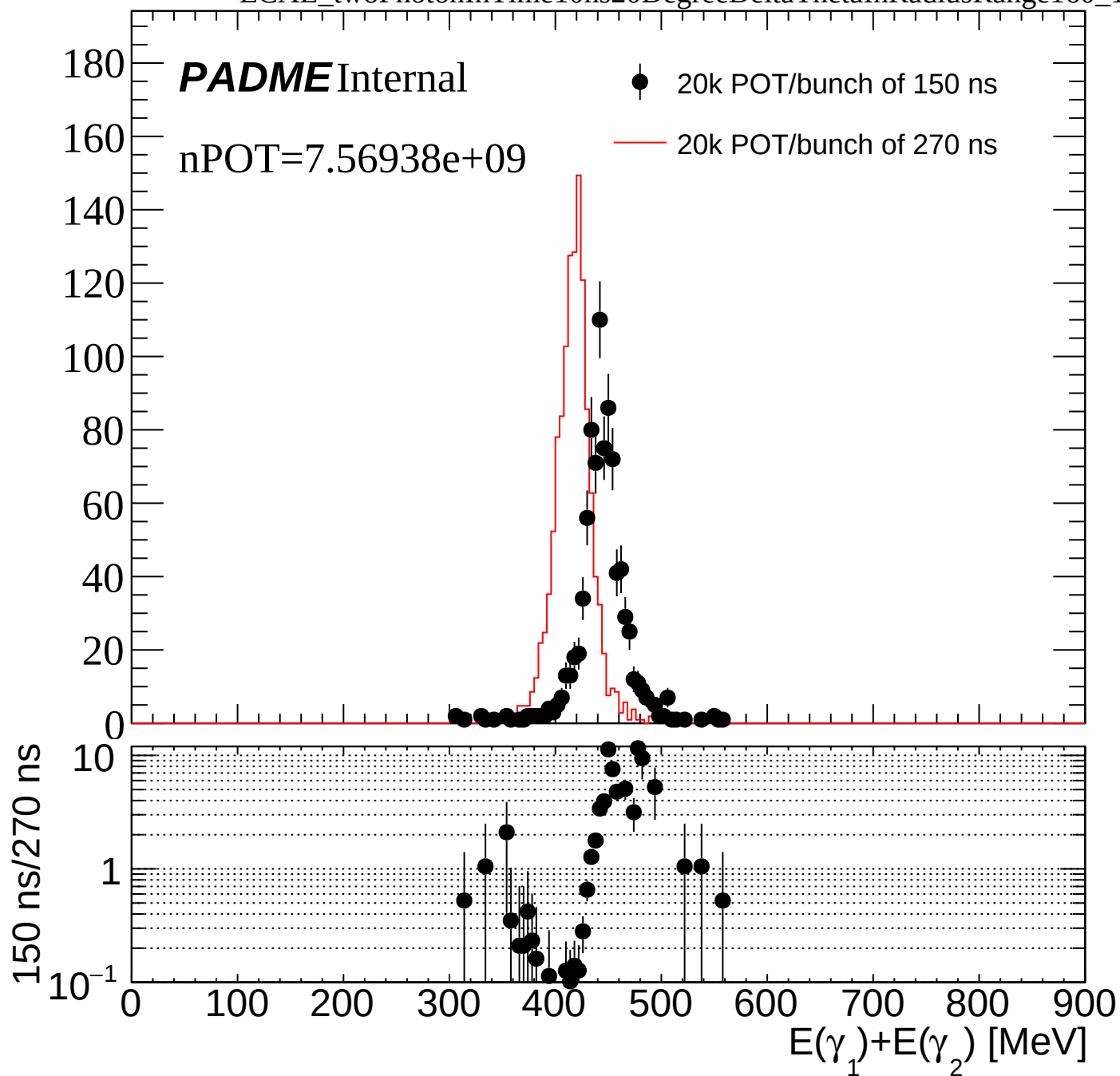


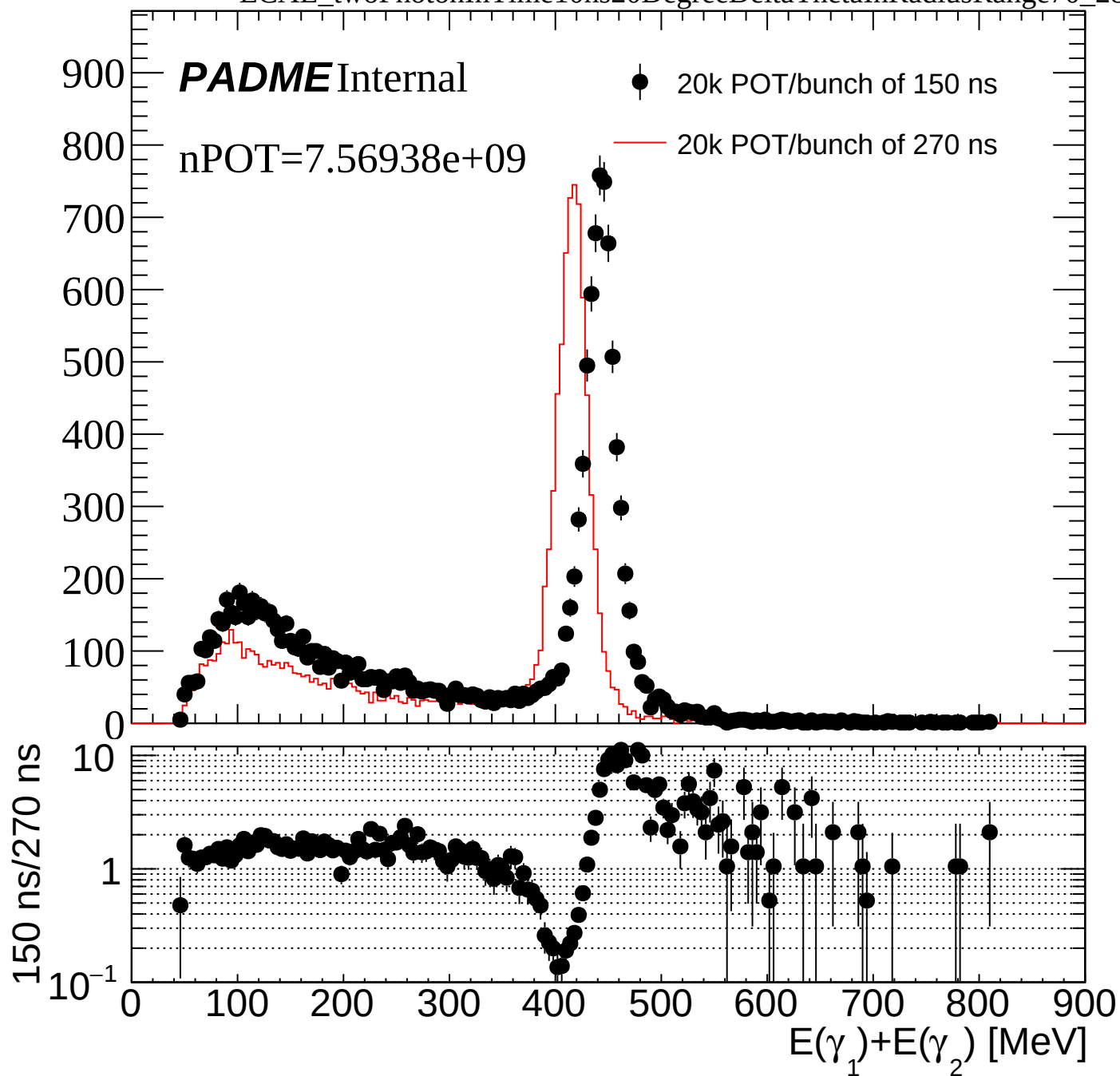


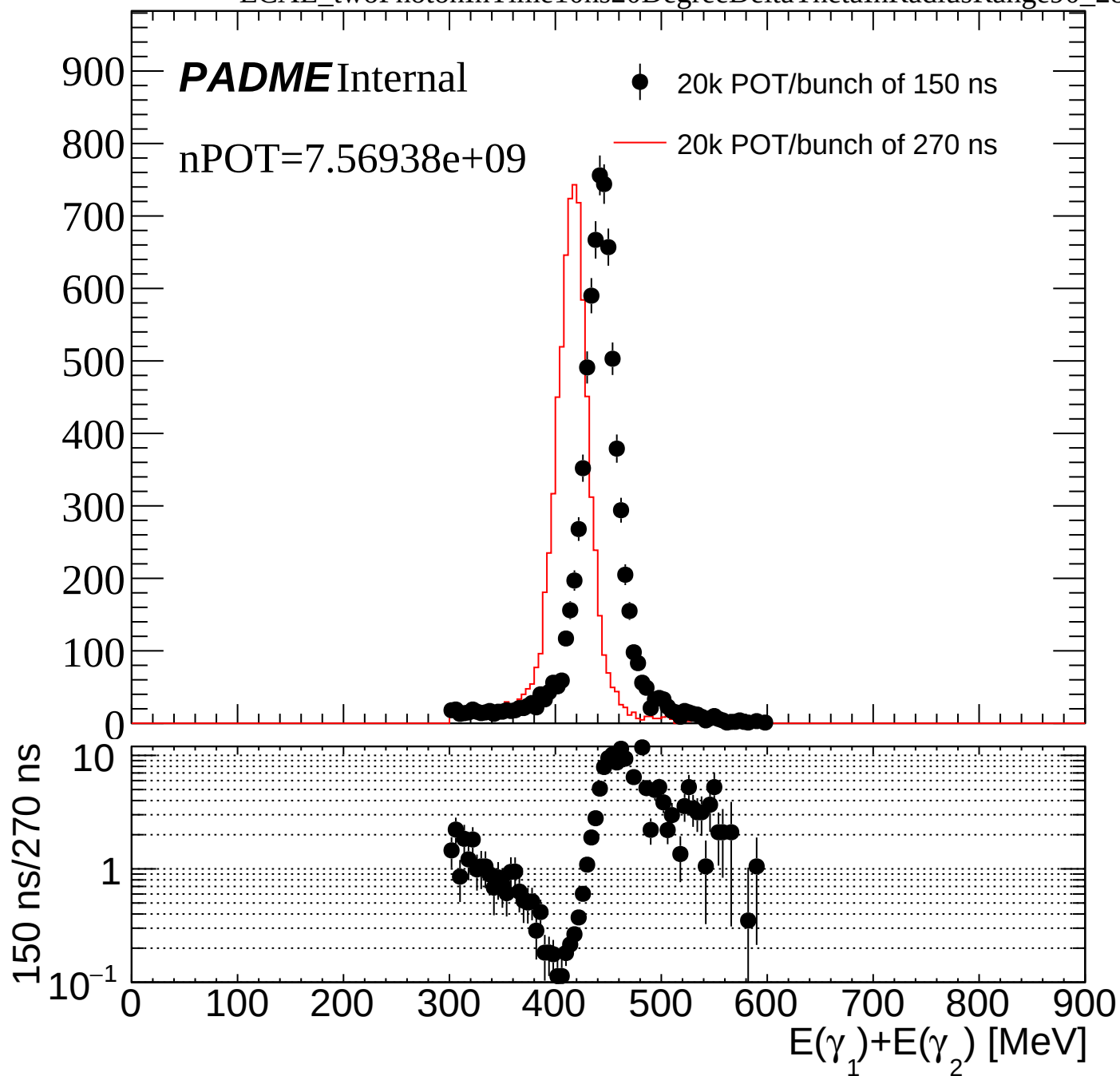


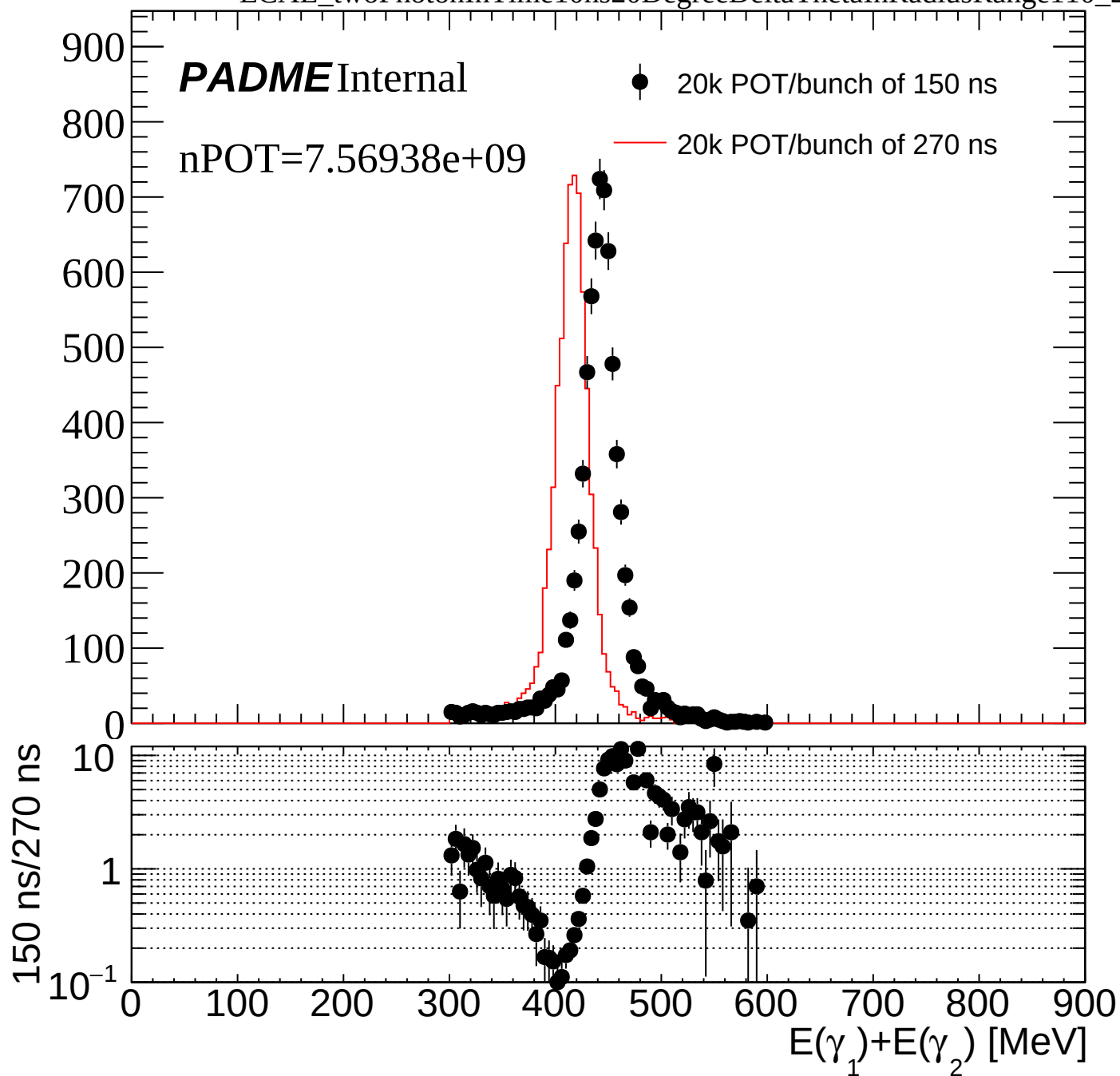


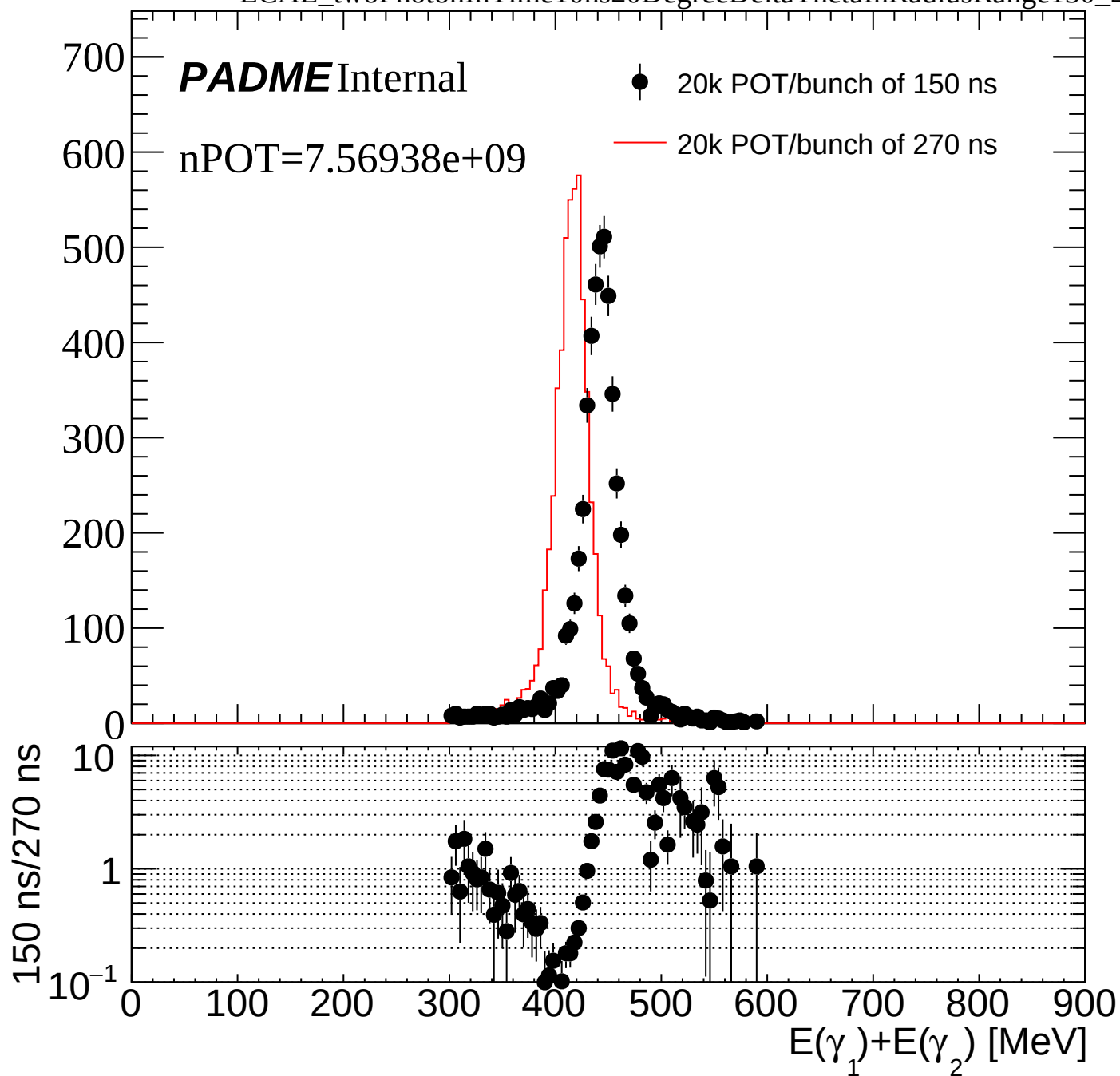


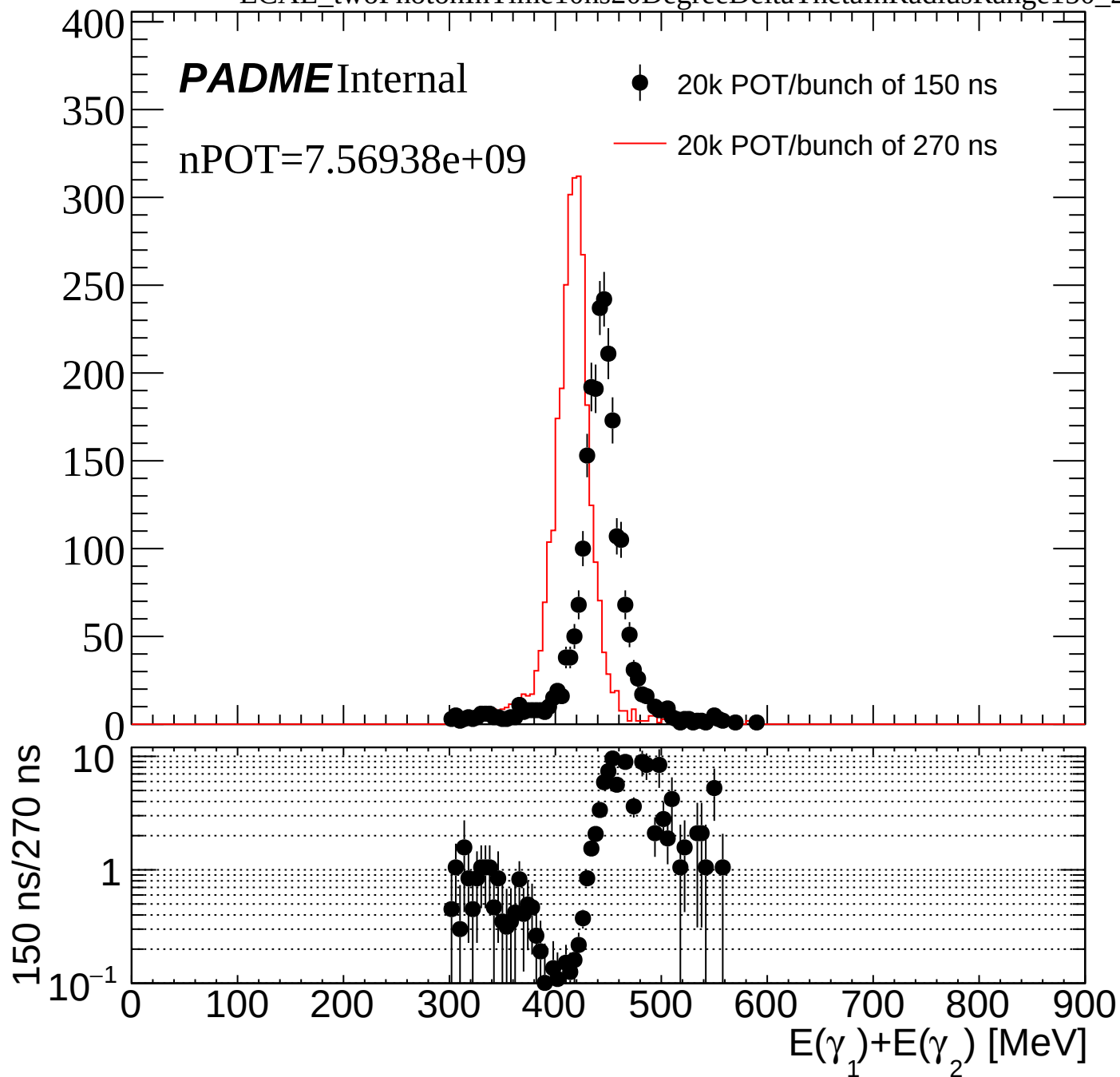


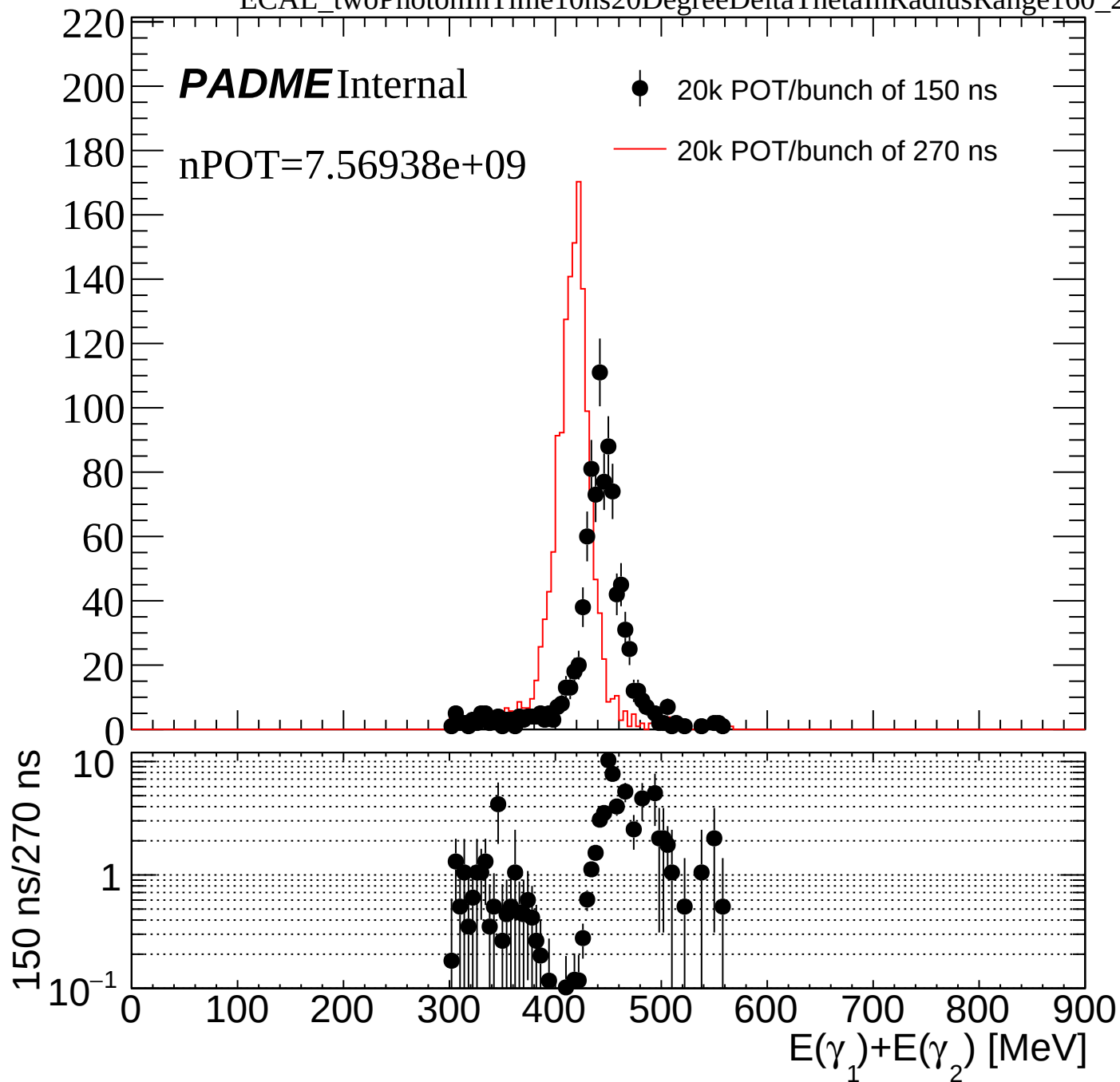


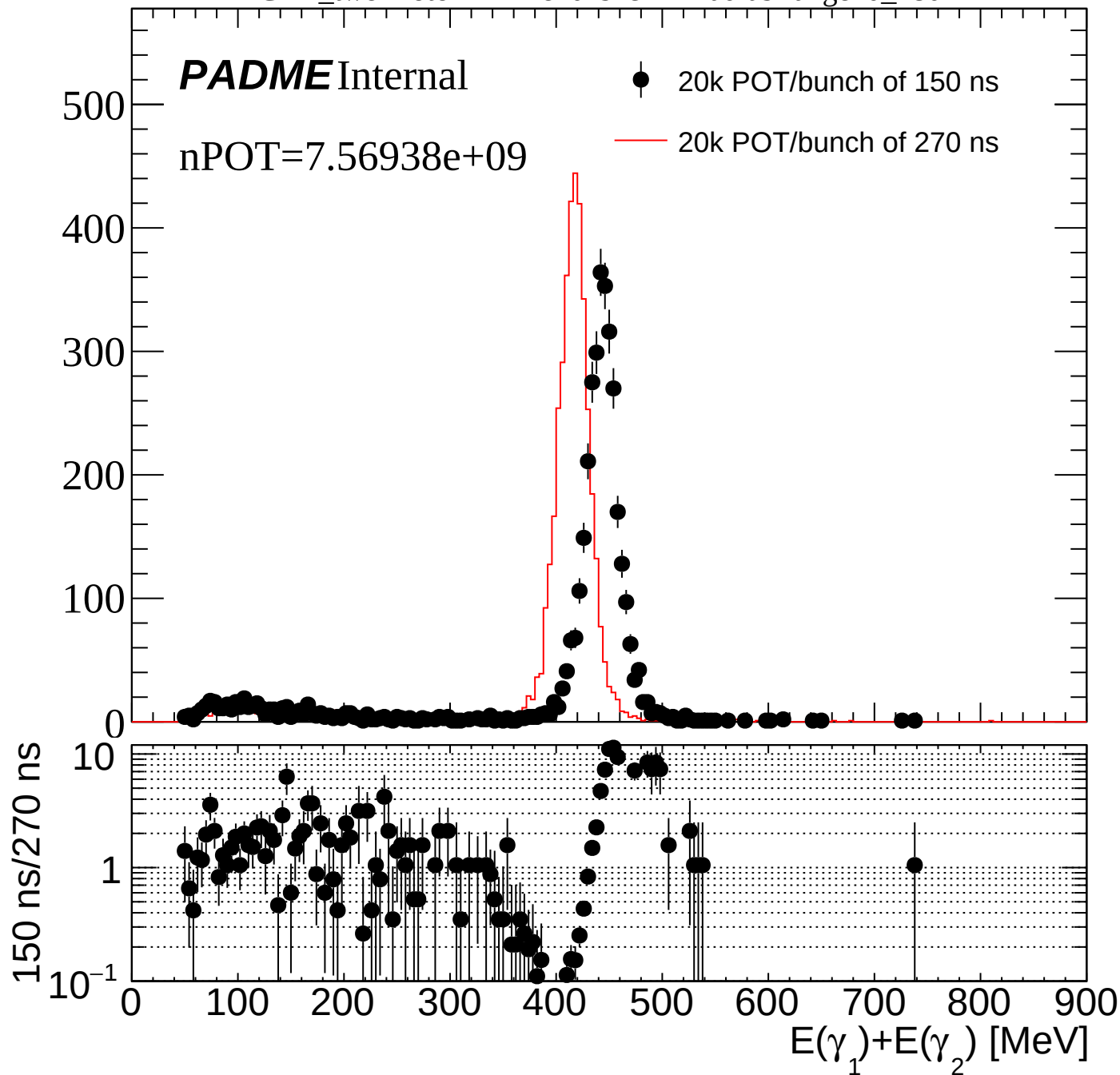


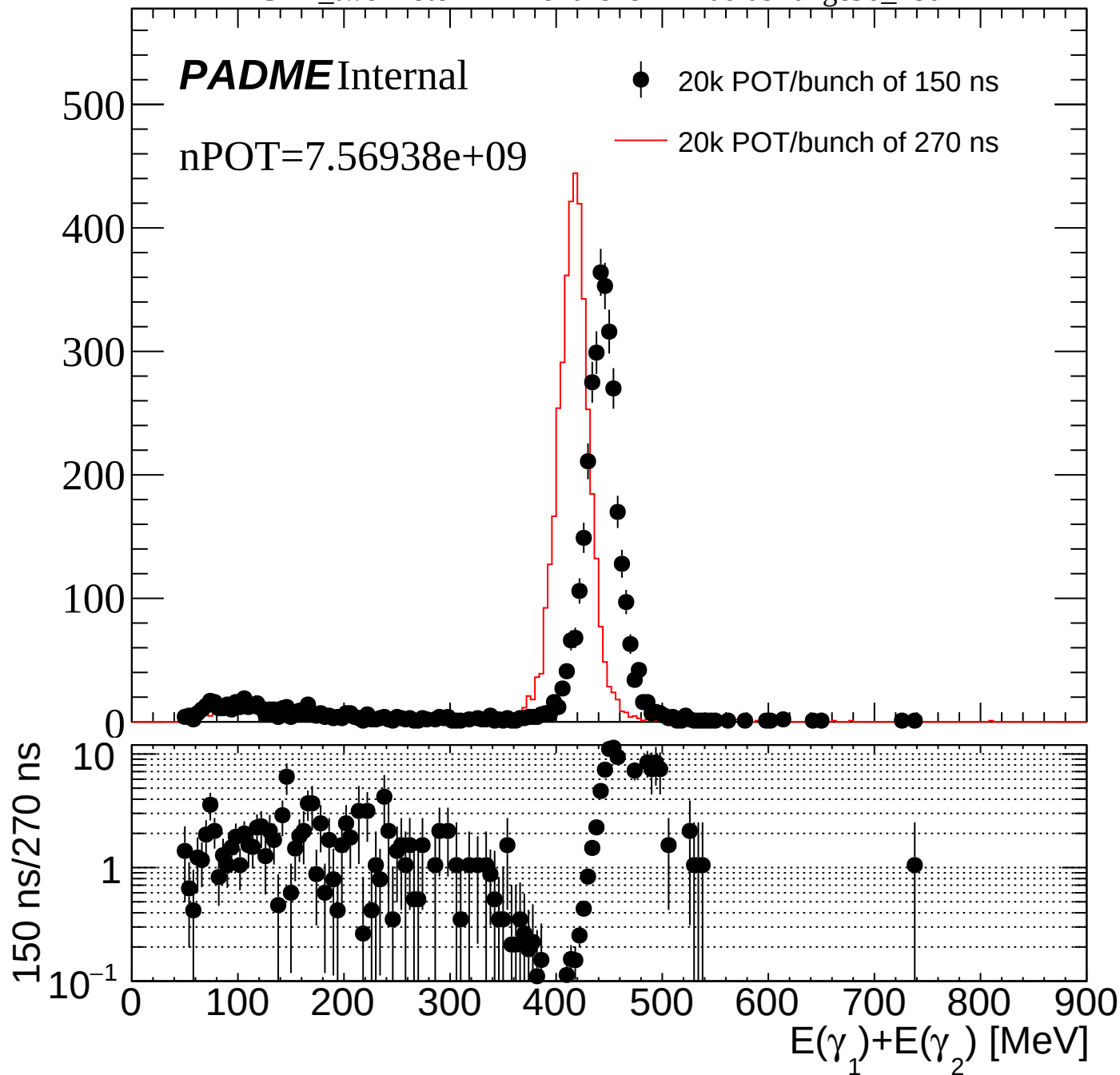


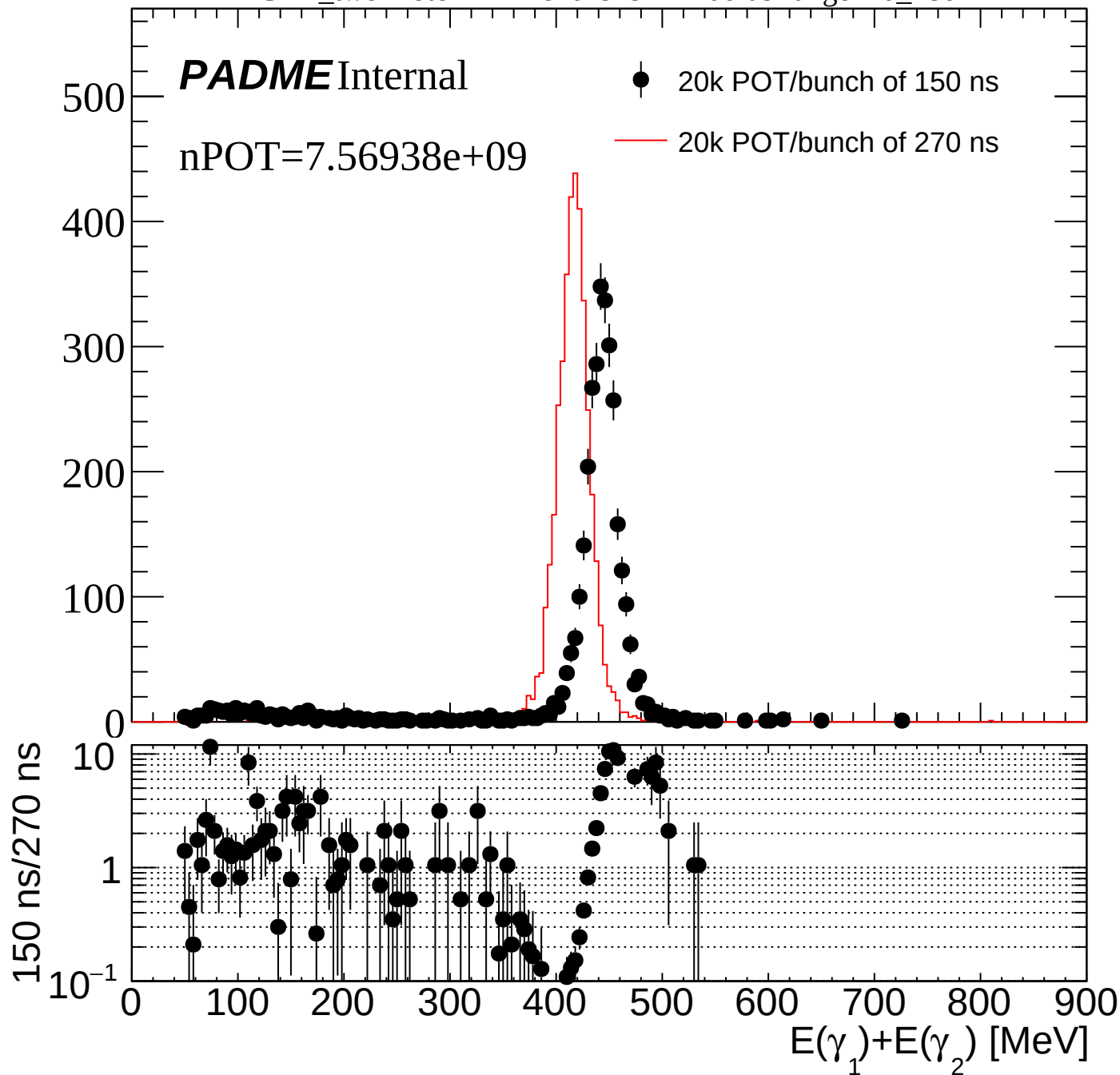


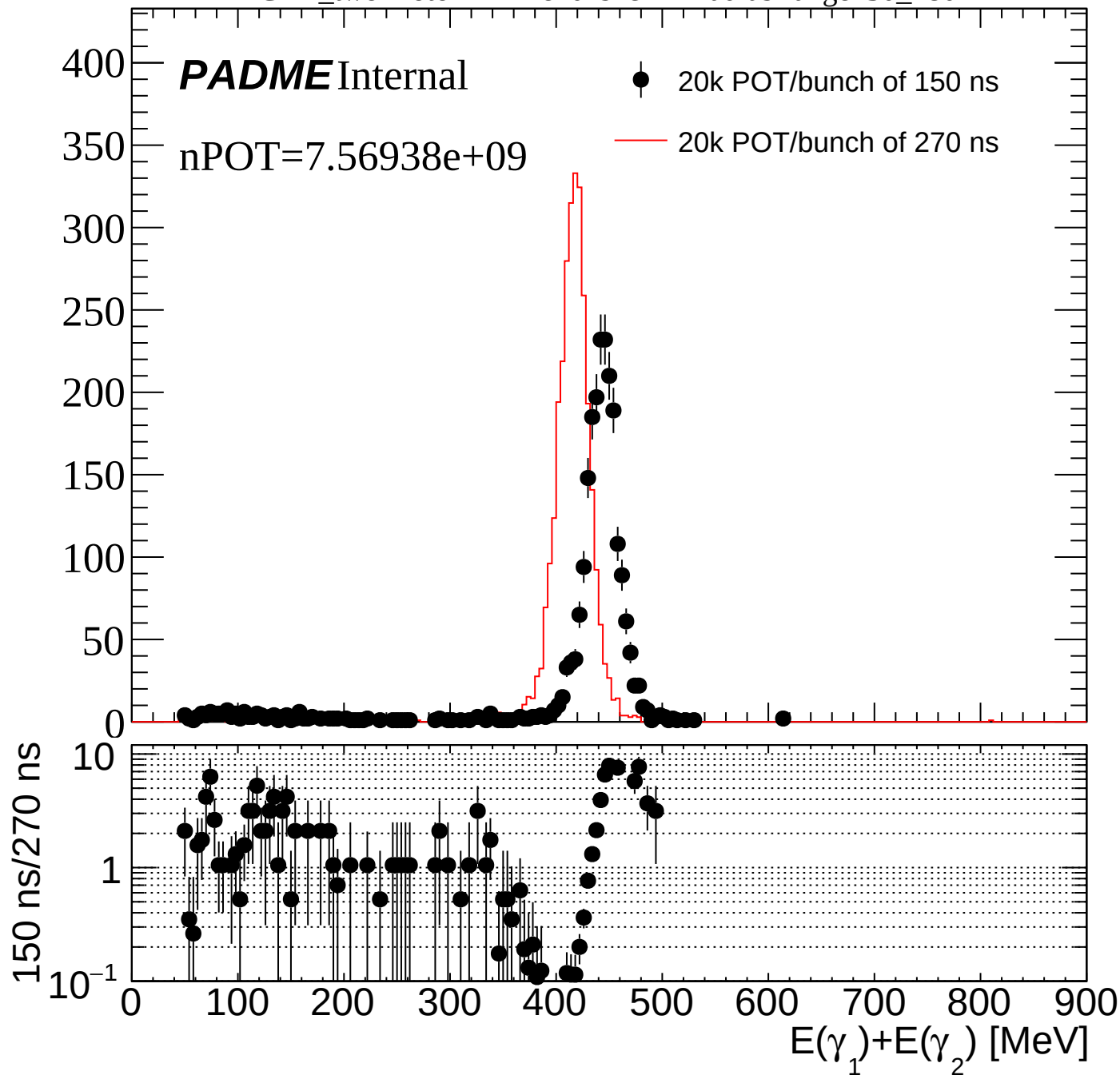


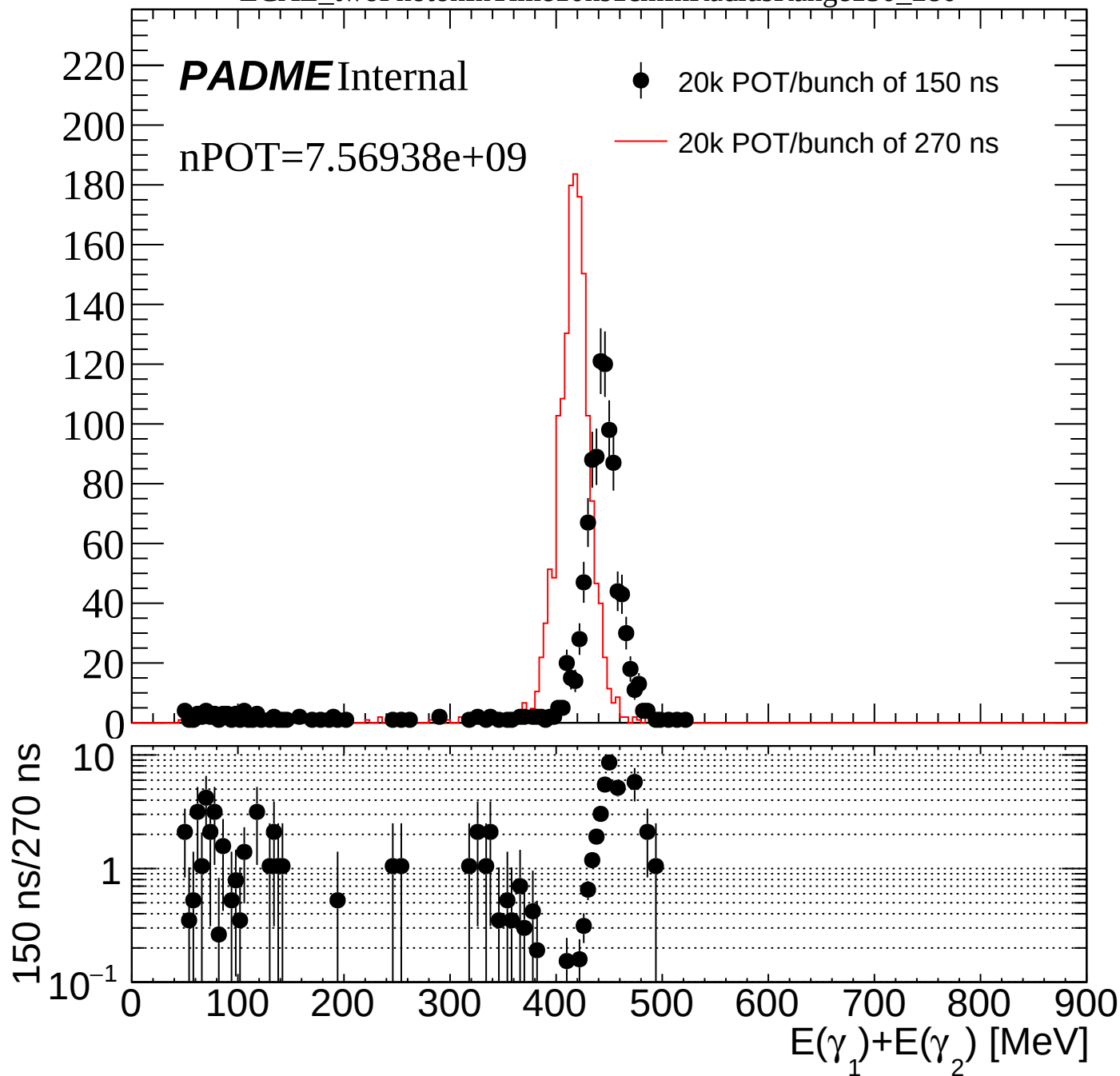


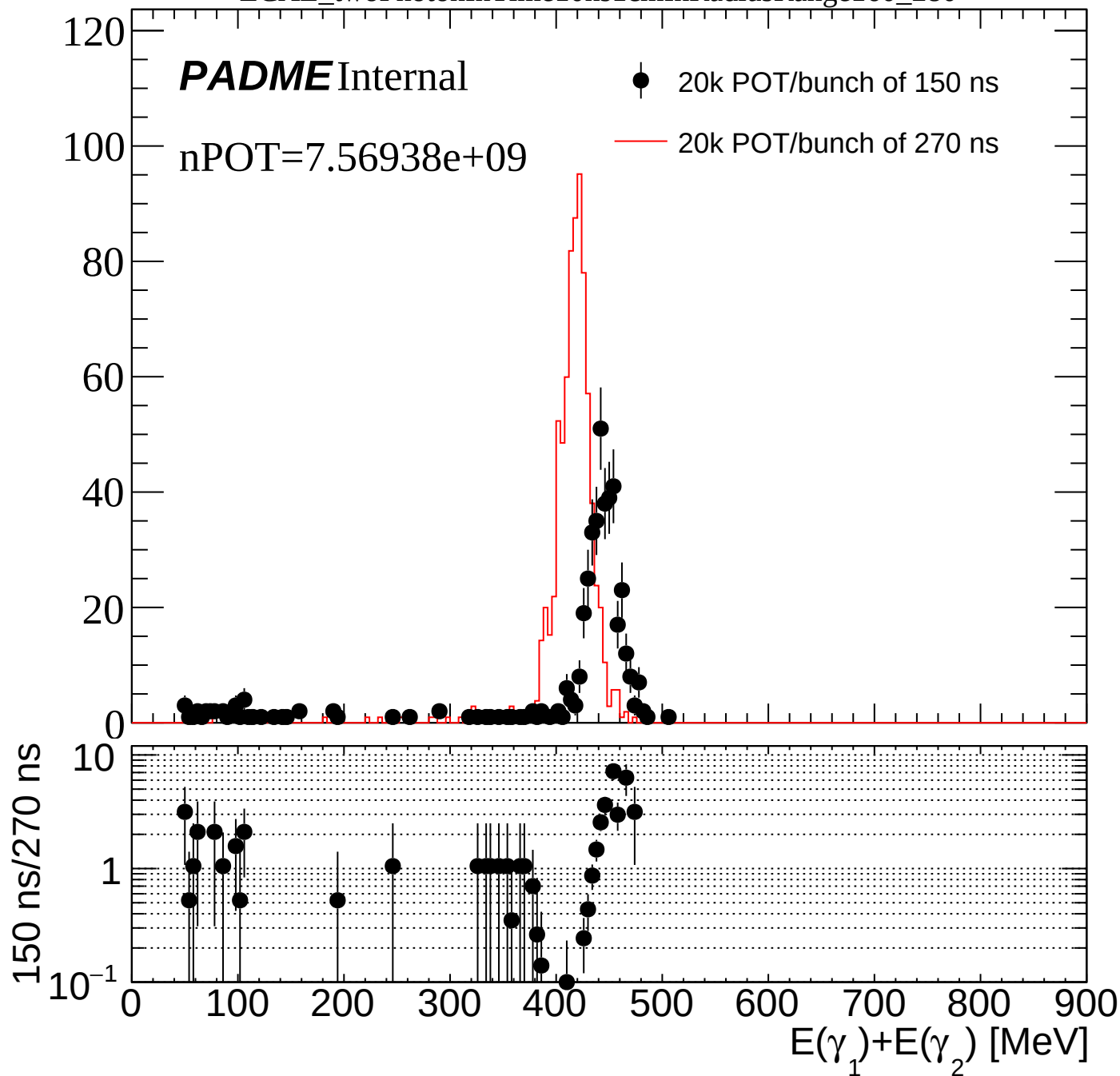


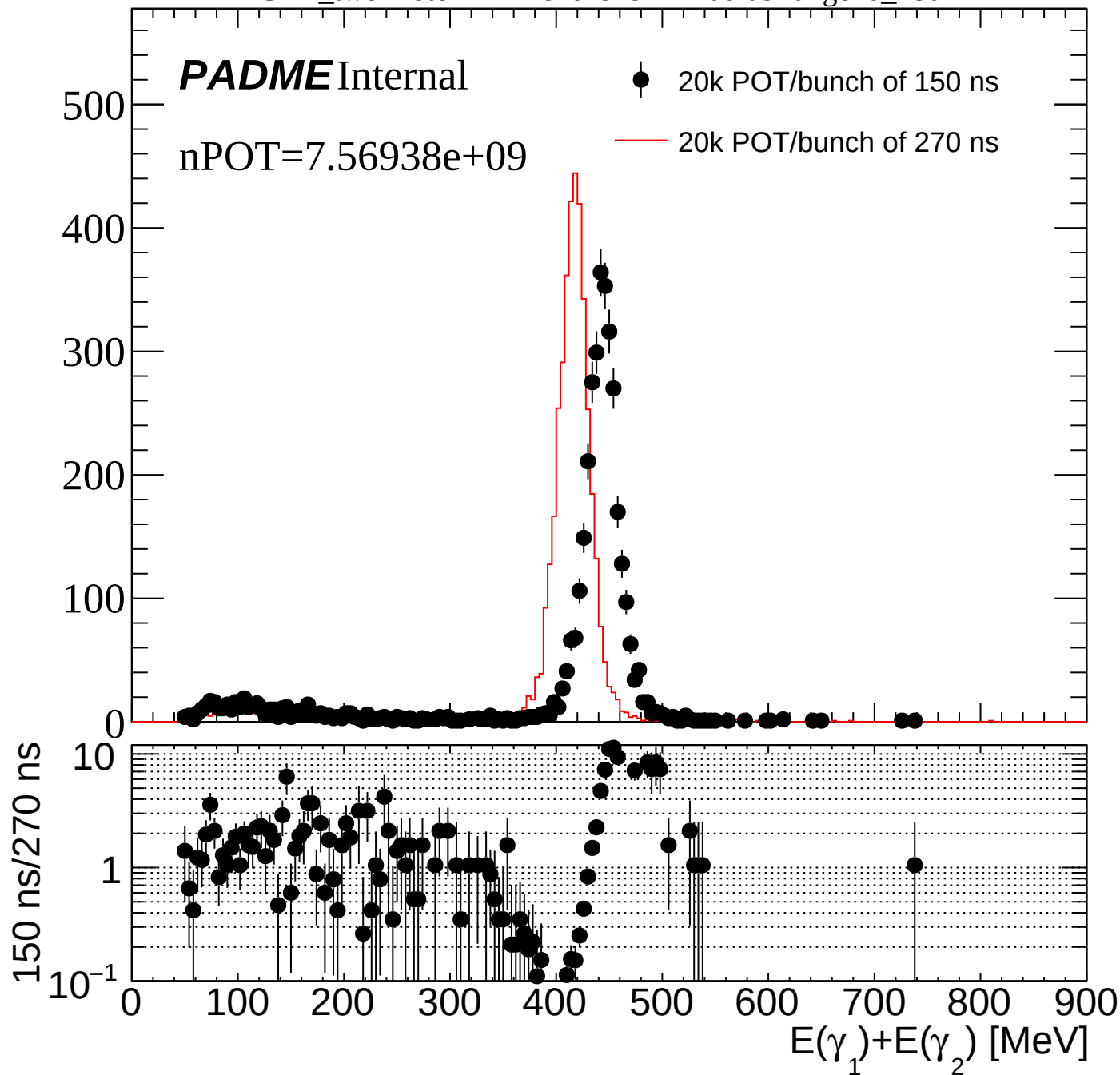


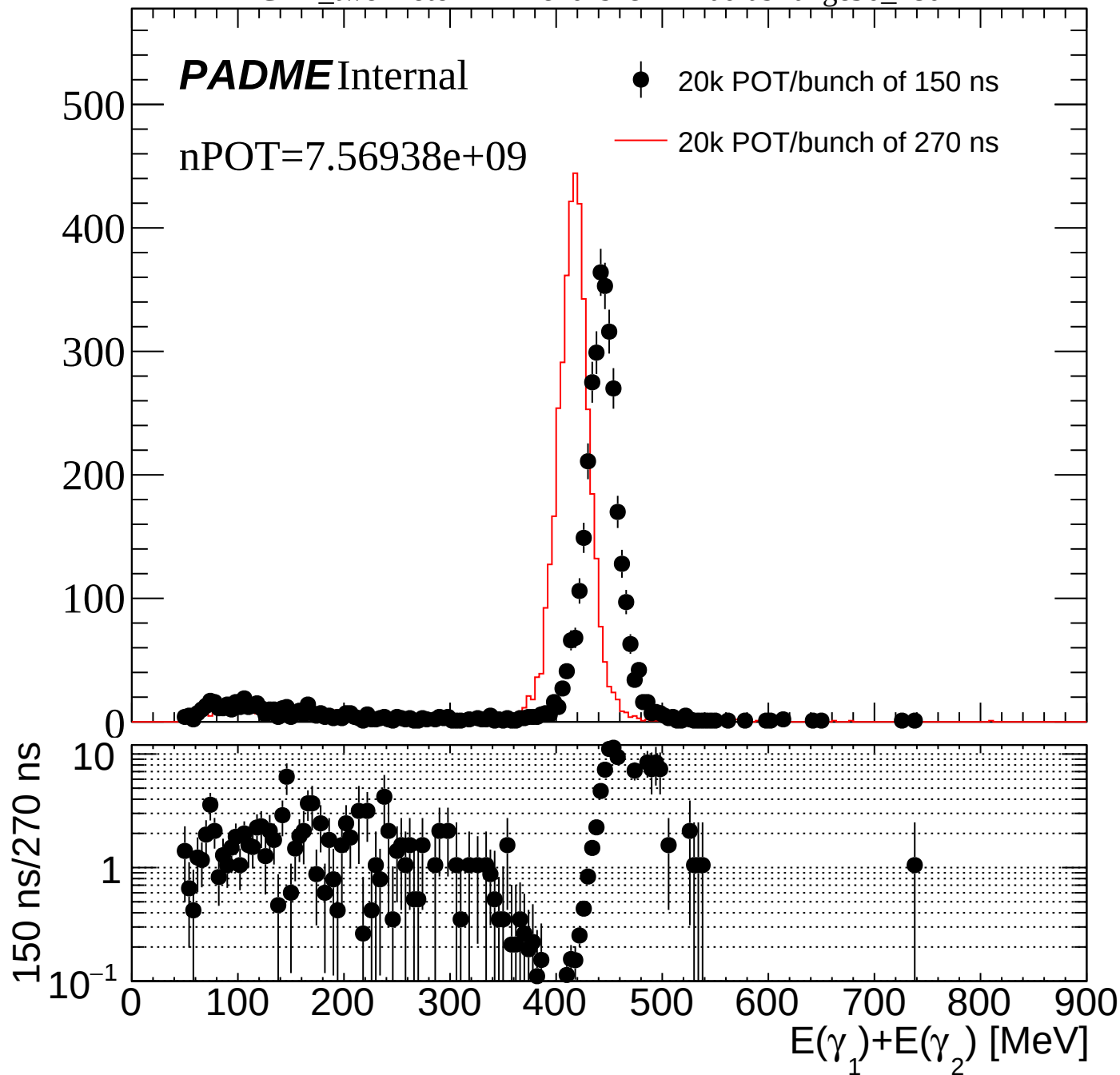


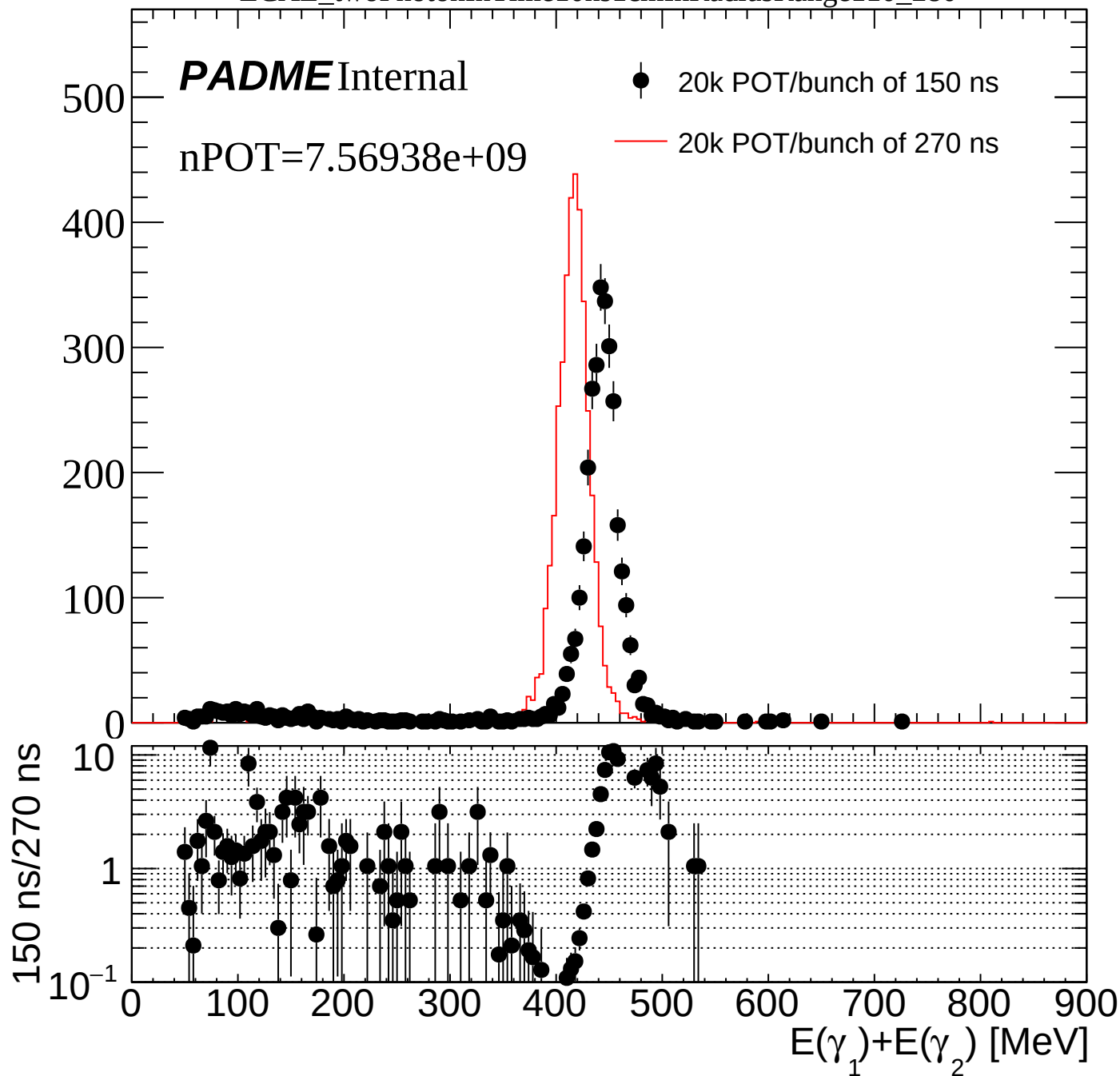


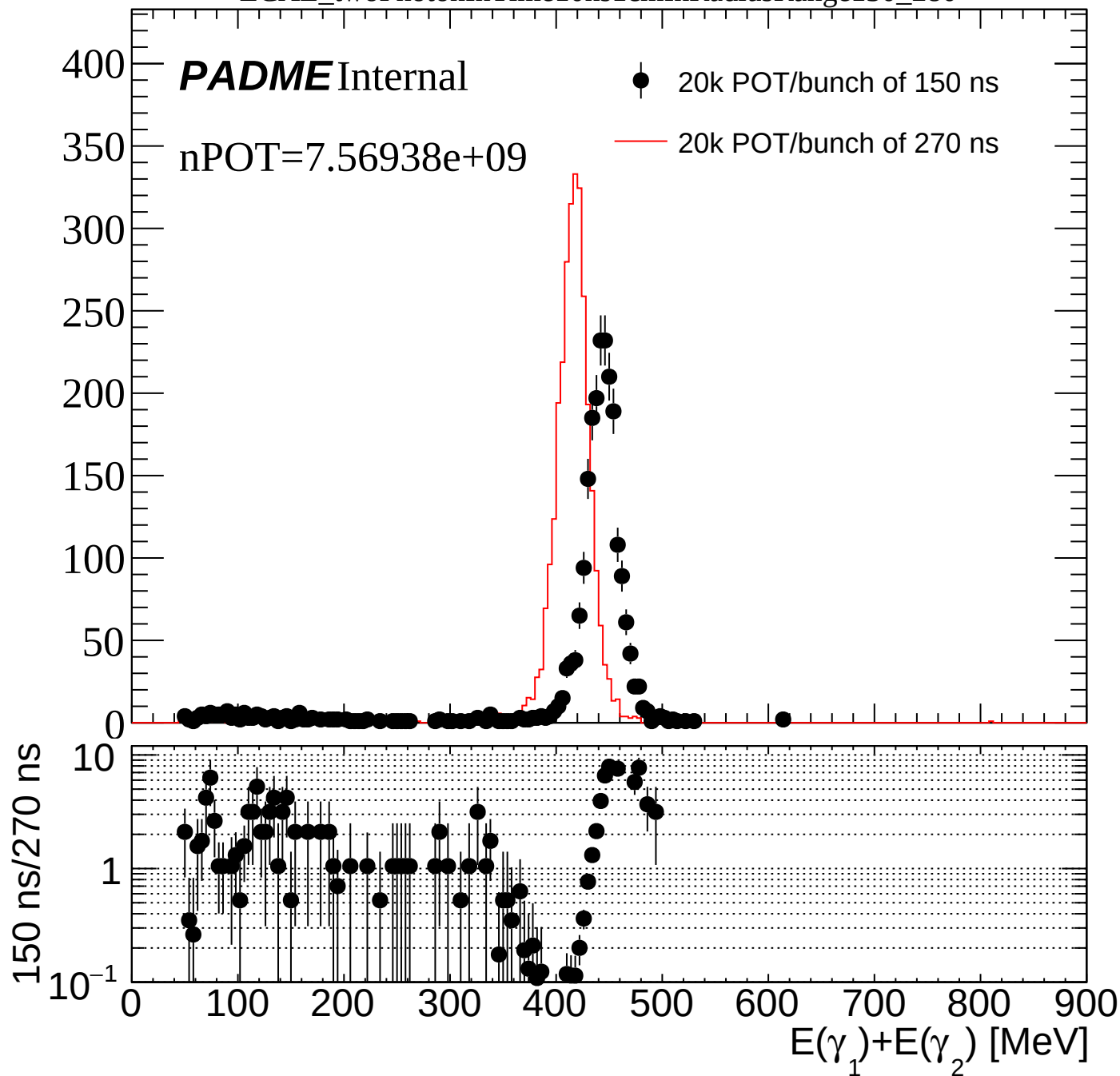


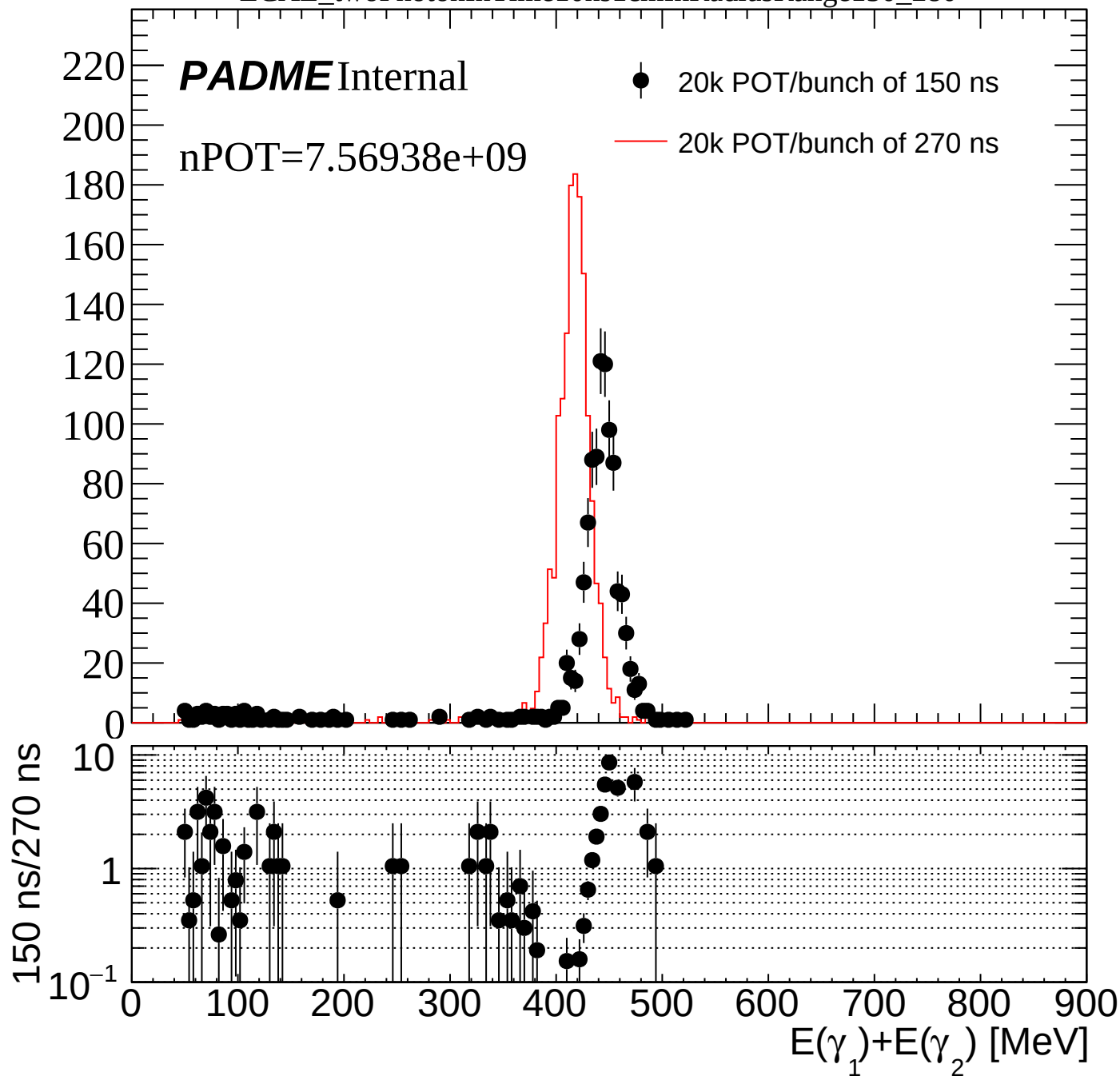


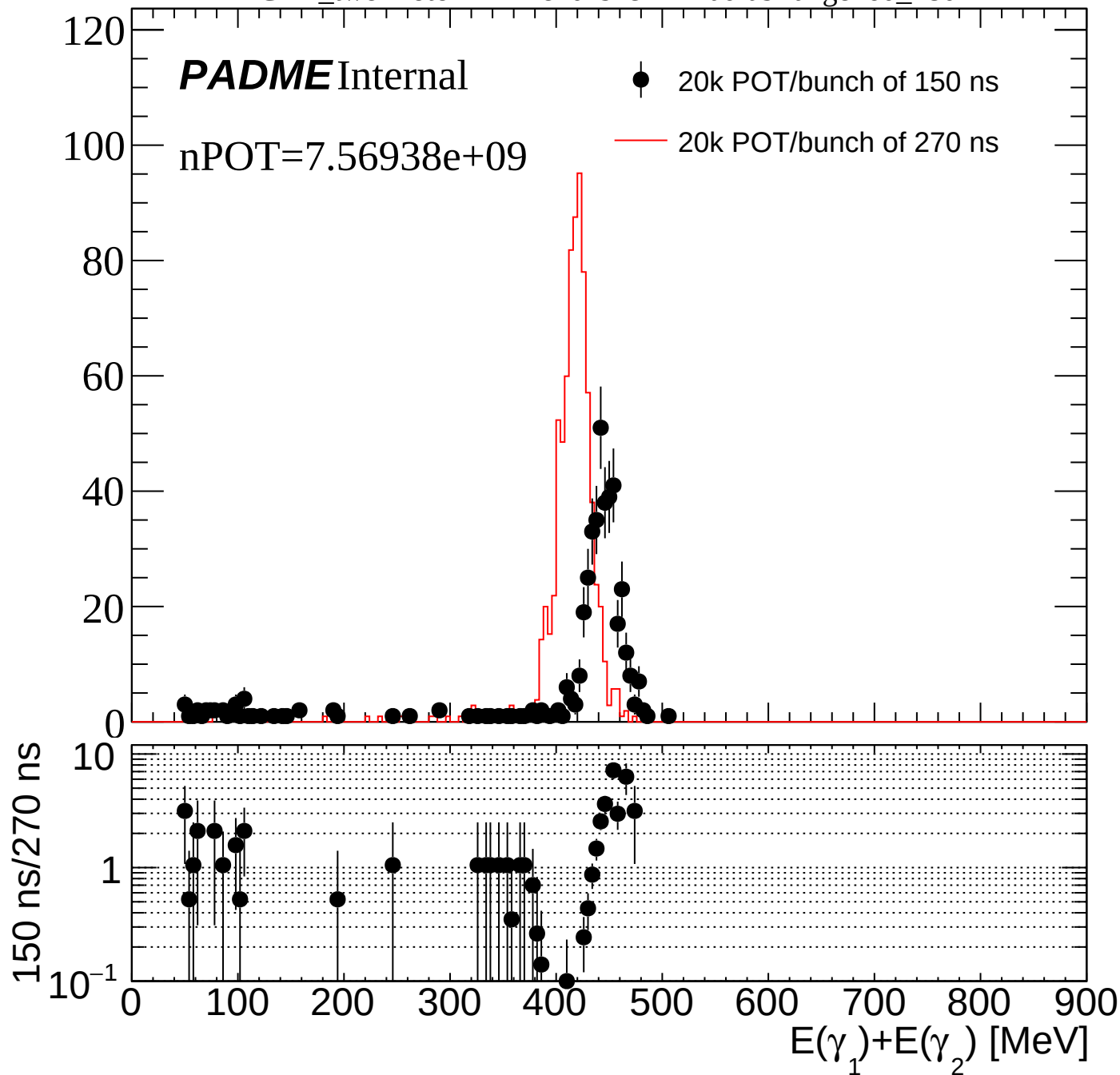












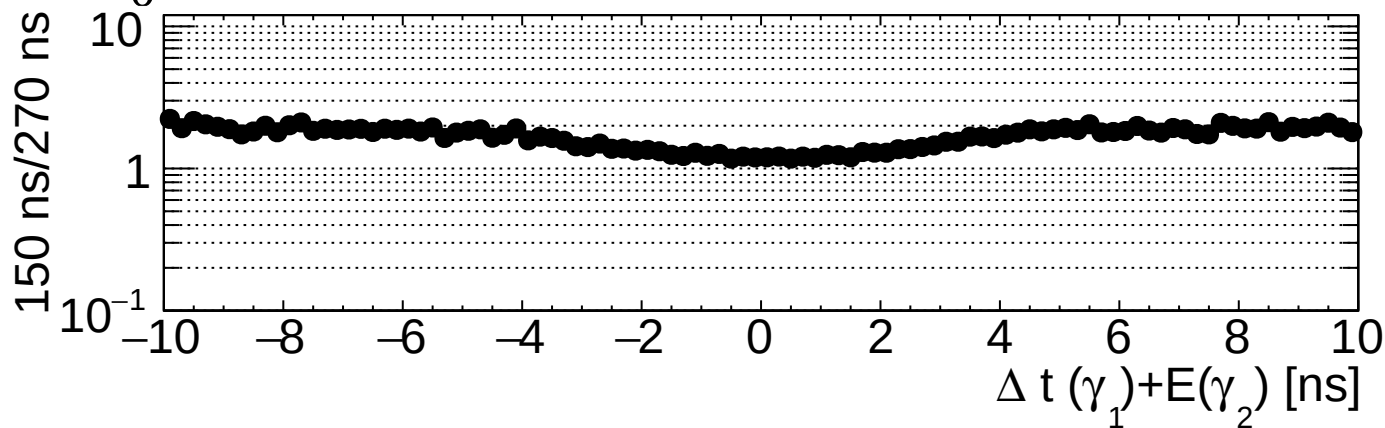
ECAL_dTime_10ns

PADME Internal

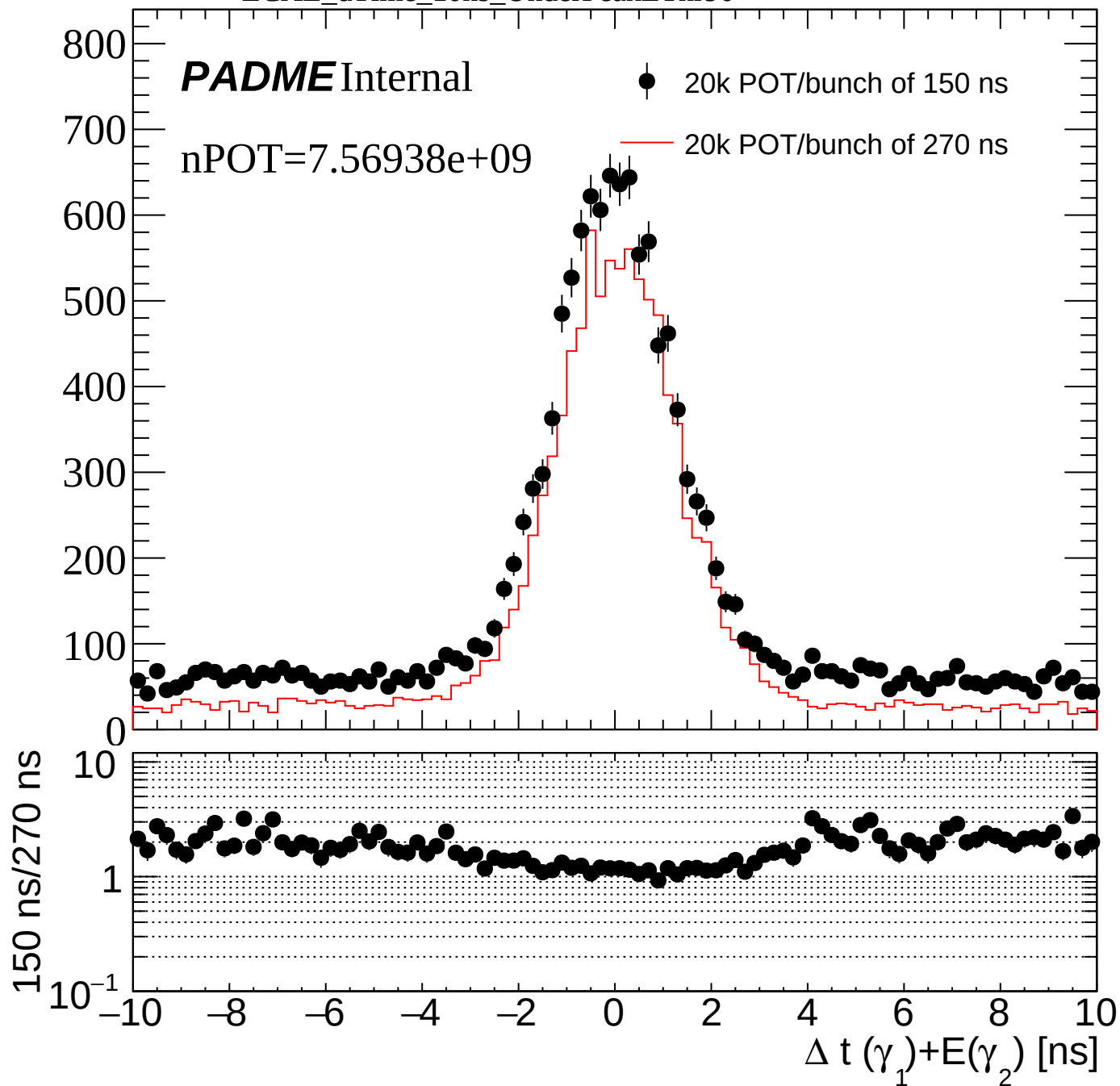
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_dTime_10ns_UnderPeakEThr90



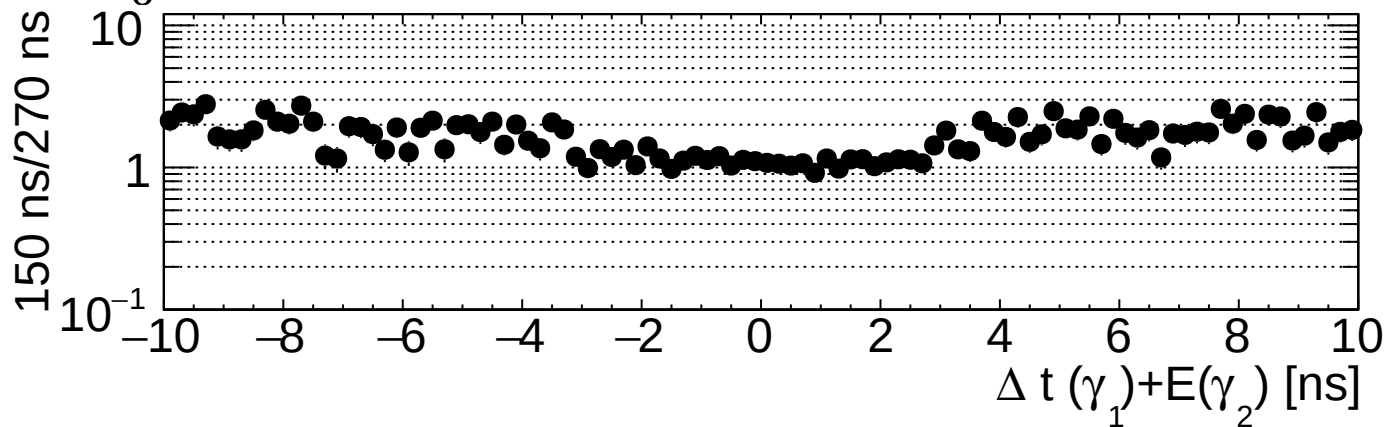
ECAL_dTime_10ns20DegreeDeltaTheta

PADME Internal

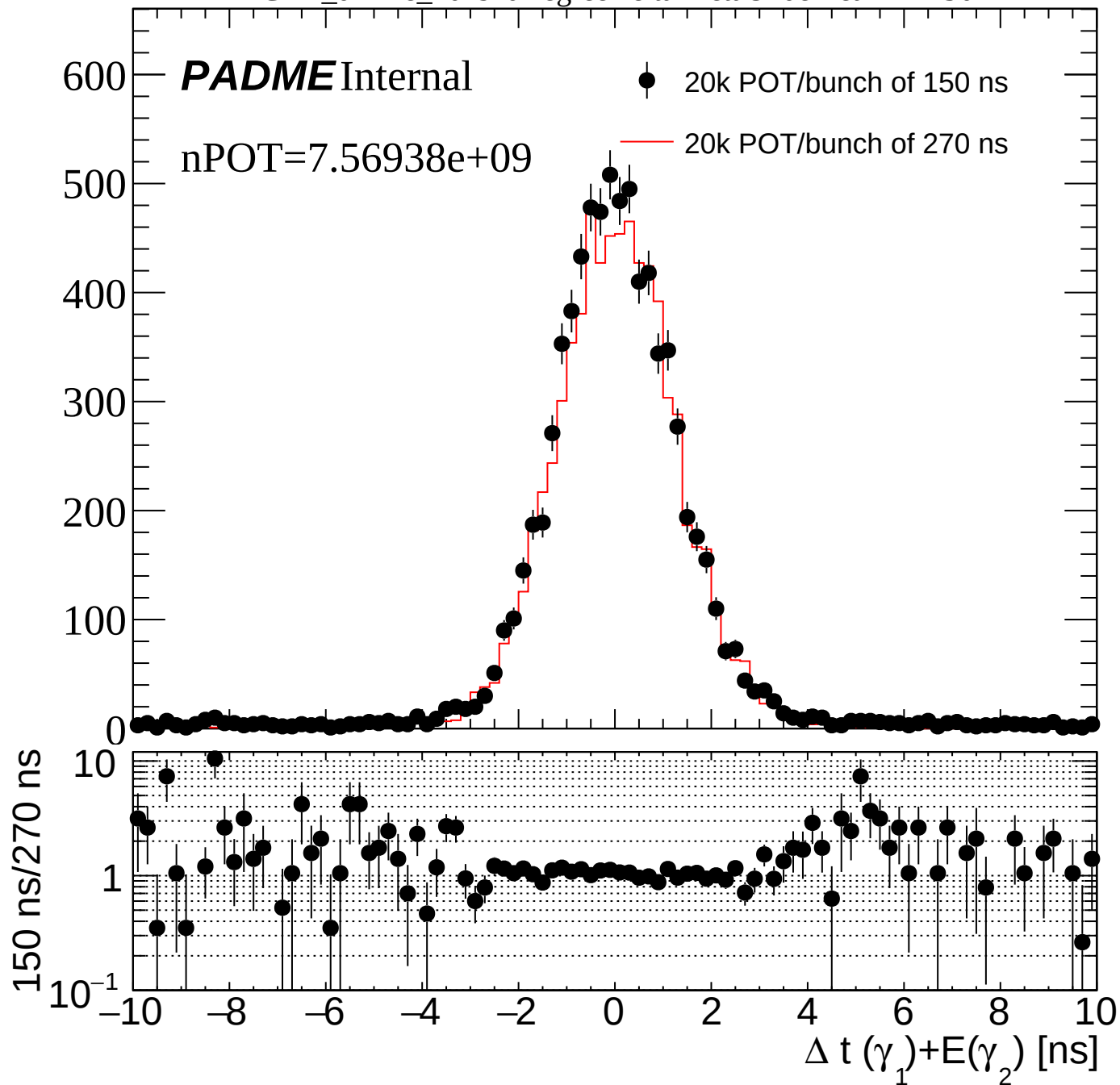
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90



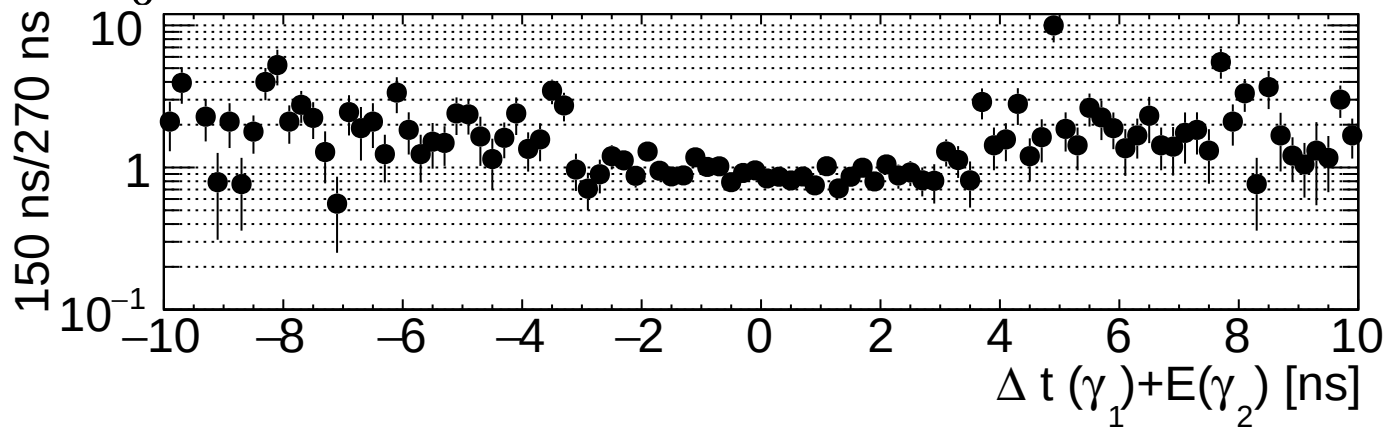
ECAL_dTime_10ns5DegreeDeltaTheta

PADME Internal

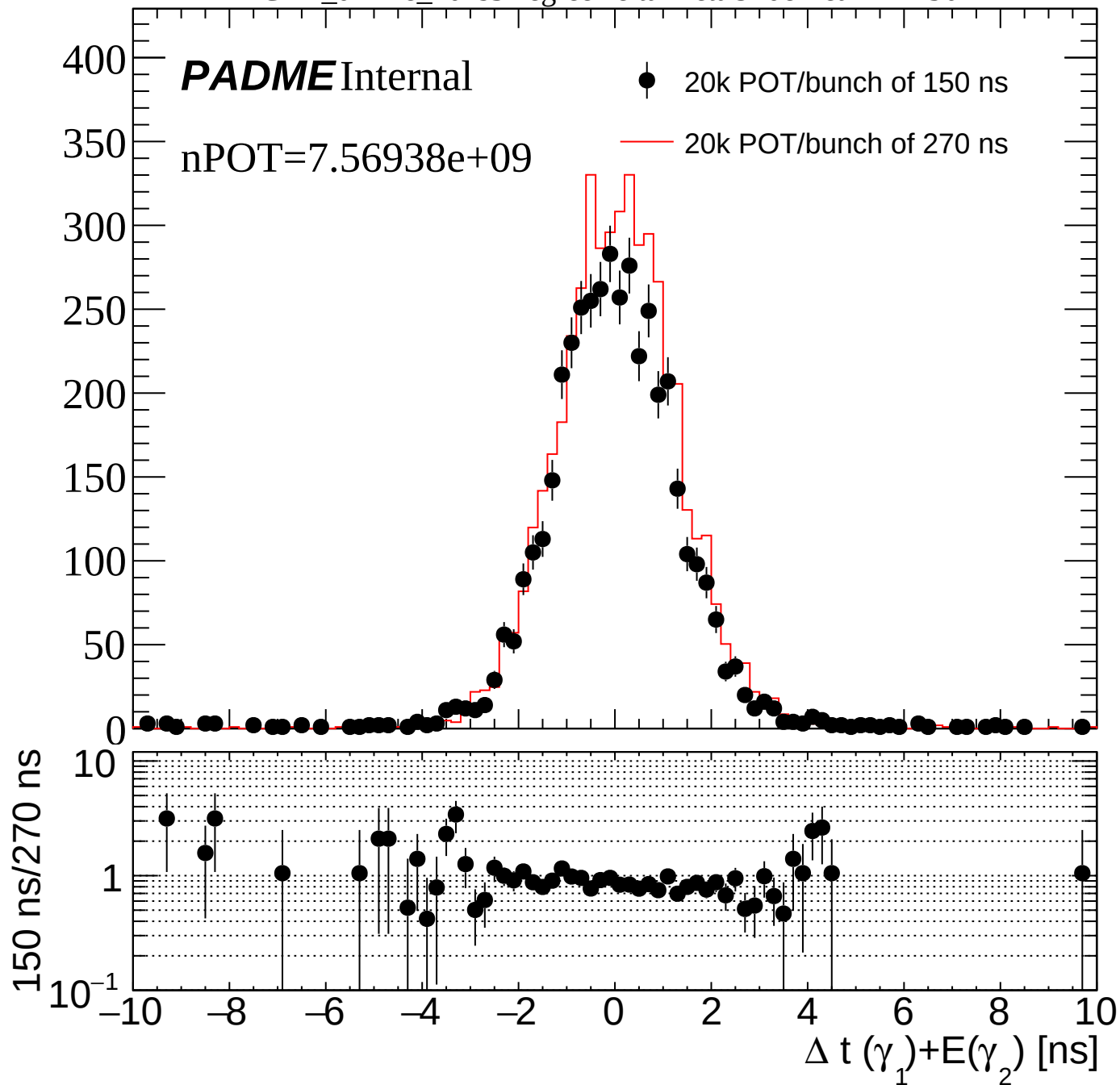
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90



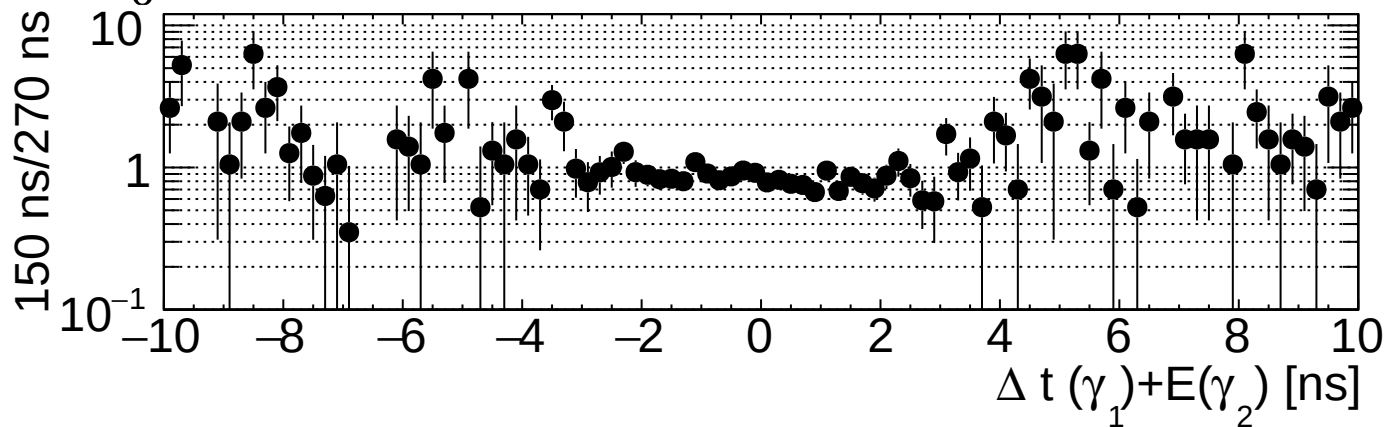
ECAL_dTime_10ns1CoG

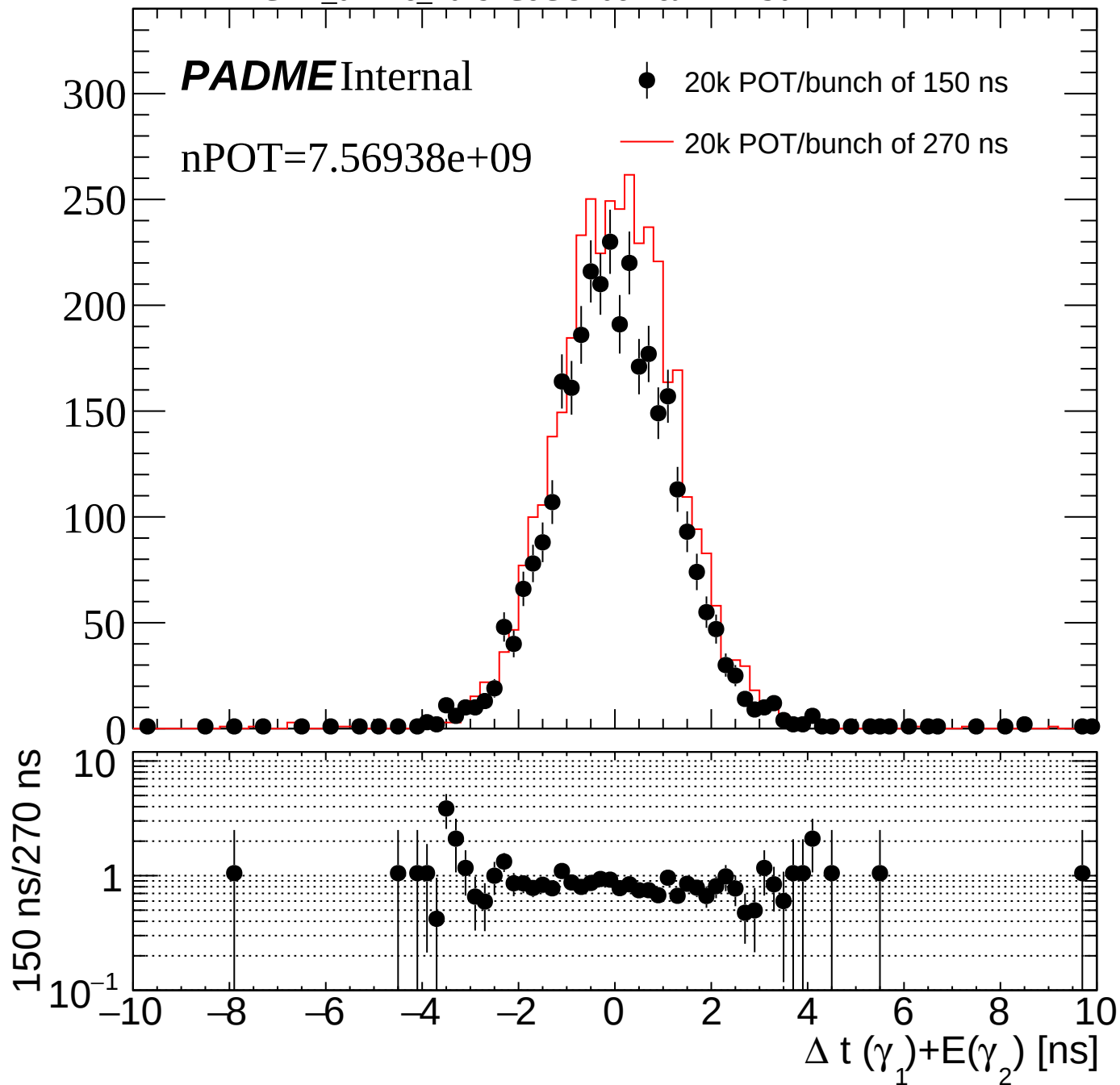
PADME Internal

nPOT=7.56938e+09

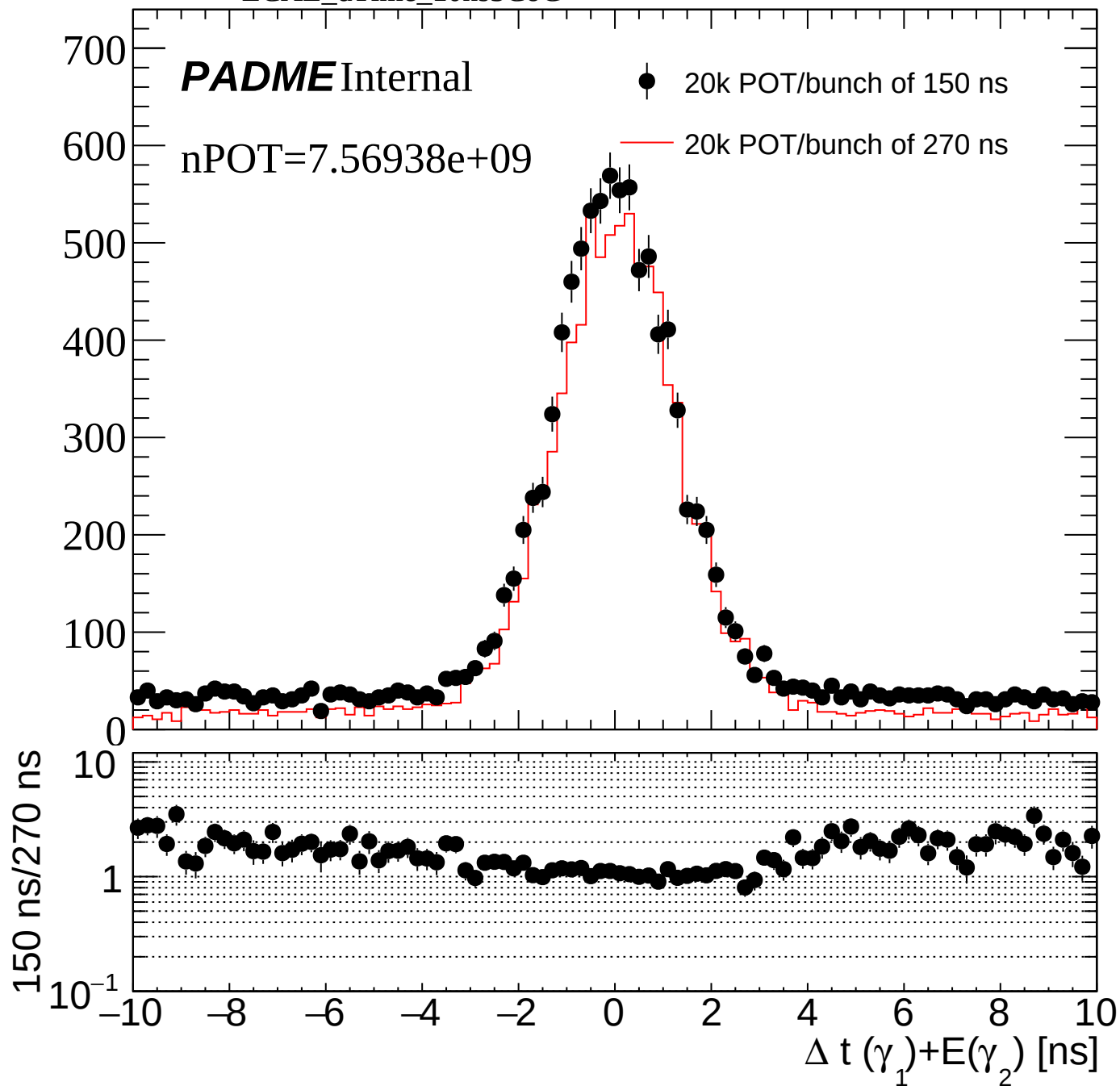
● 20k POT/bunch of 150 ns

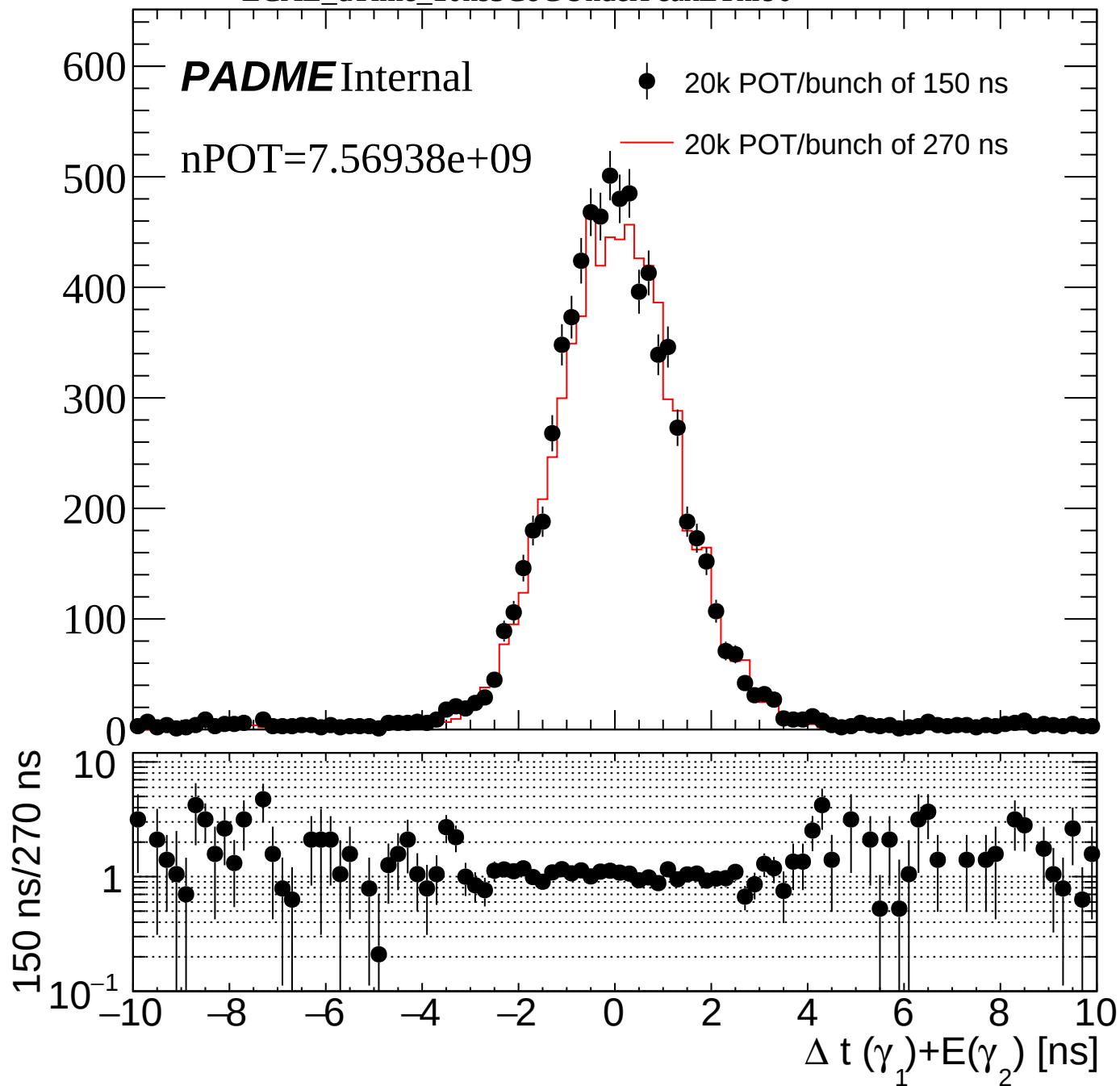
— 20k POT/bunch of 270 ns





ECAL_dTime_10ns3CoG





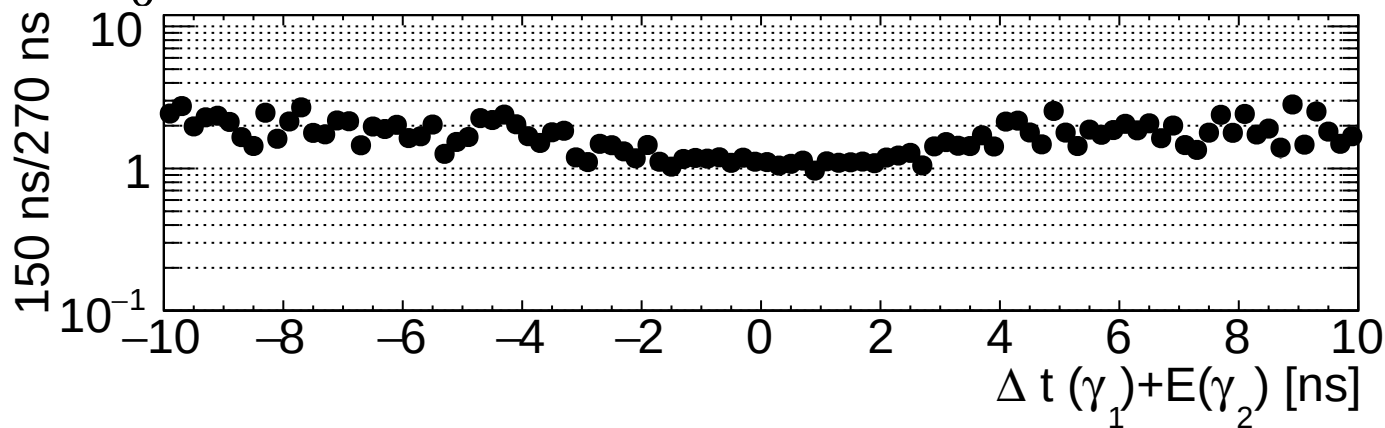
ECAL_dTime_10ns5CoG

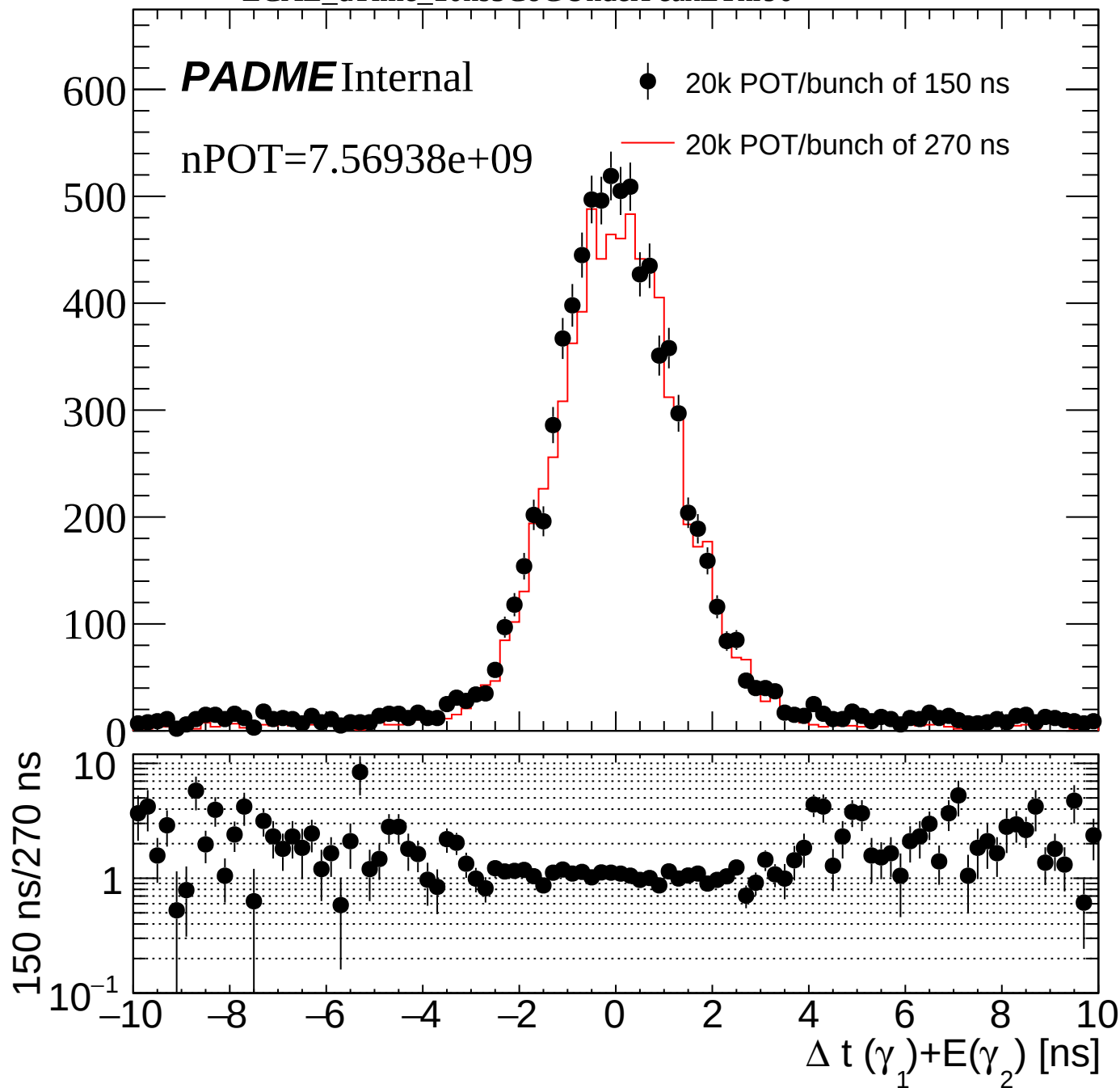
PADME Internal

nPOT=7.56938e+09

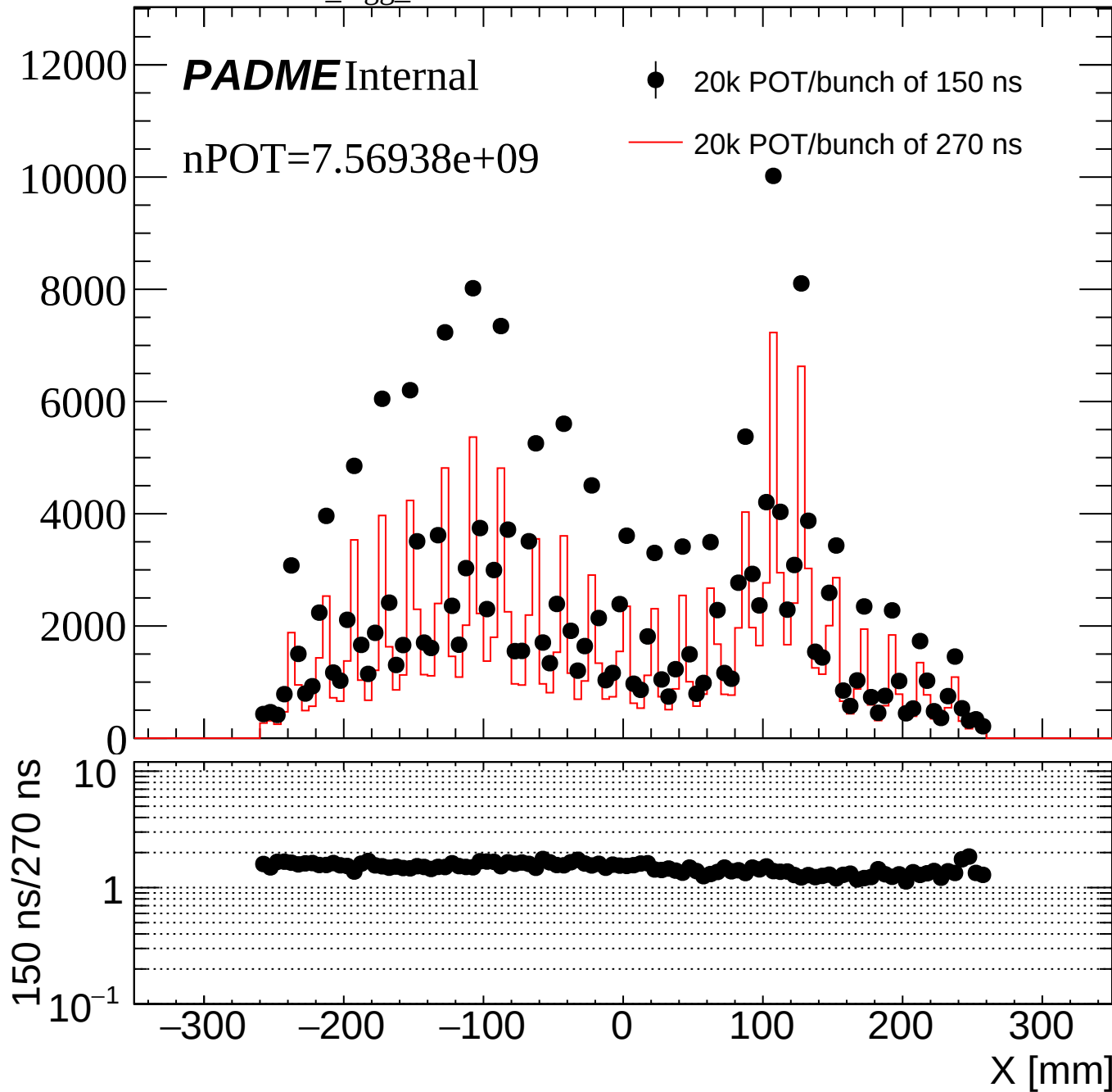
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





ECAL_Xgg_10ns



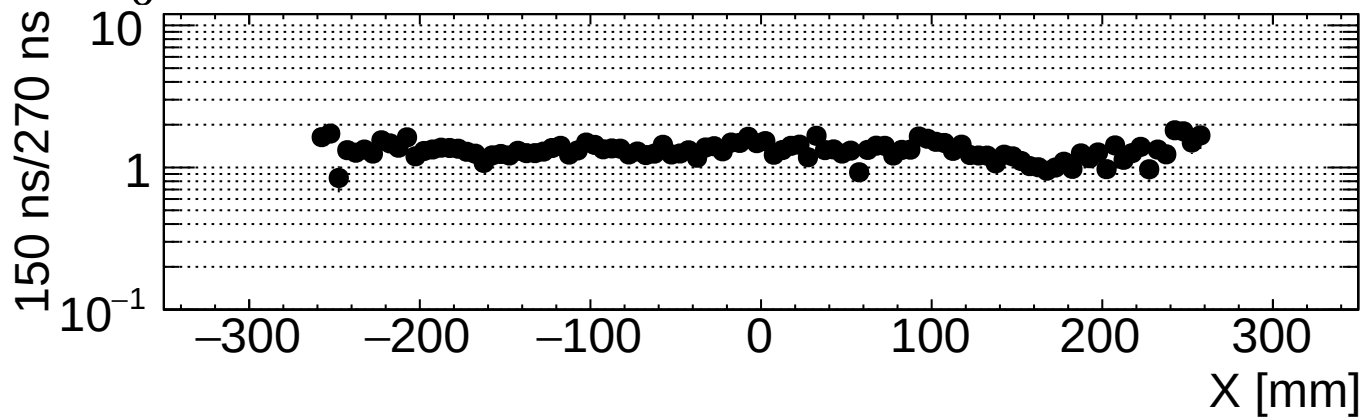
ECAL_Xgg_10ns20Degree

PADME Internal

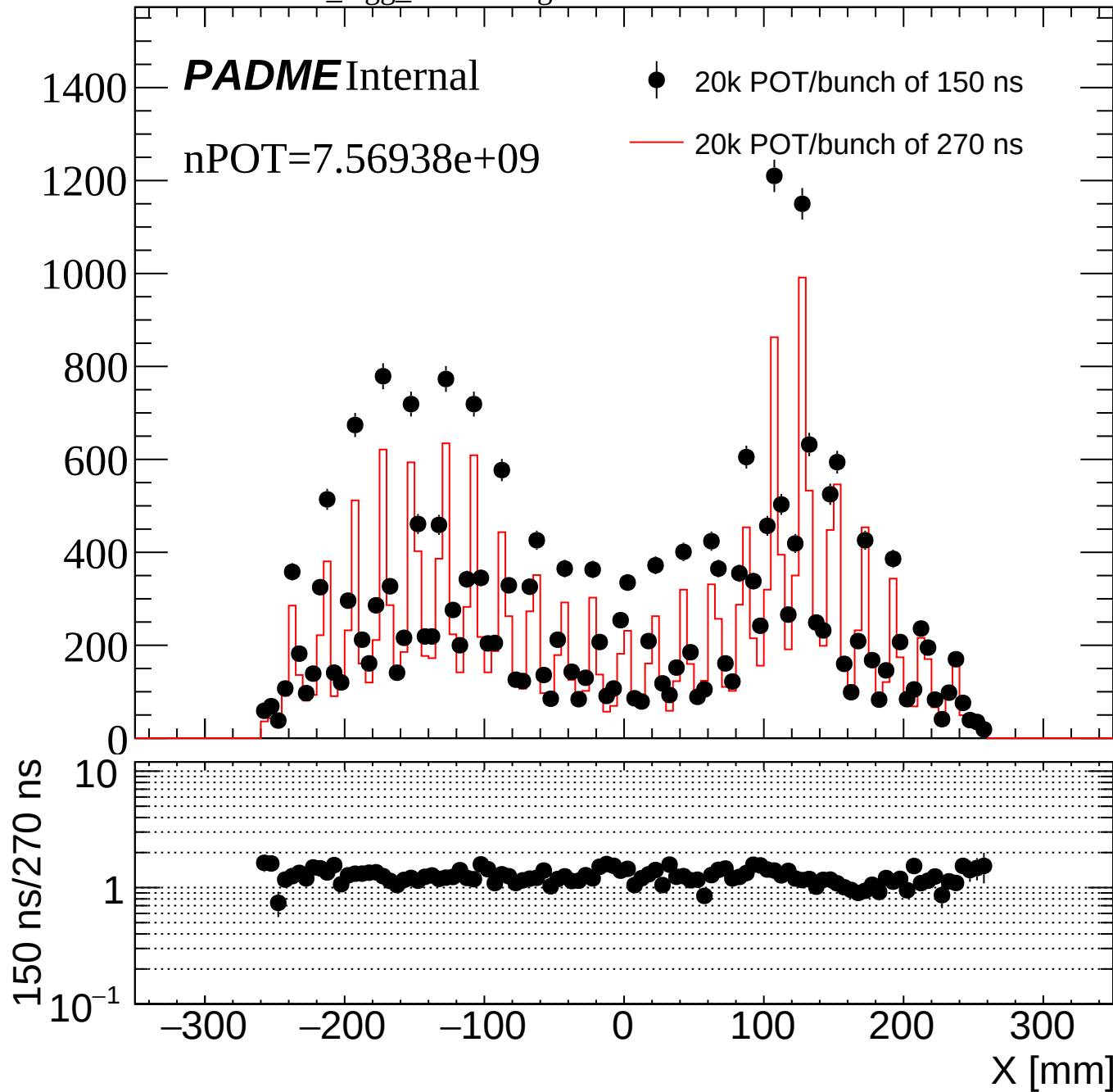
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Xgg_10ns20DegreeDeltaTheta



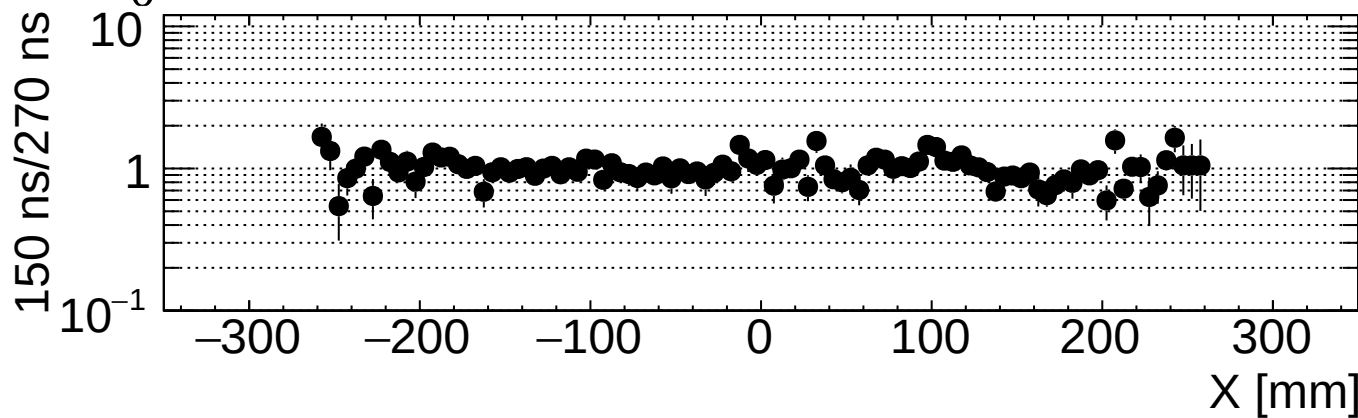
ECAL_Xgg_10ns5DegreeDeltaTheta

PADME Internal

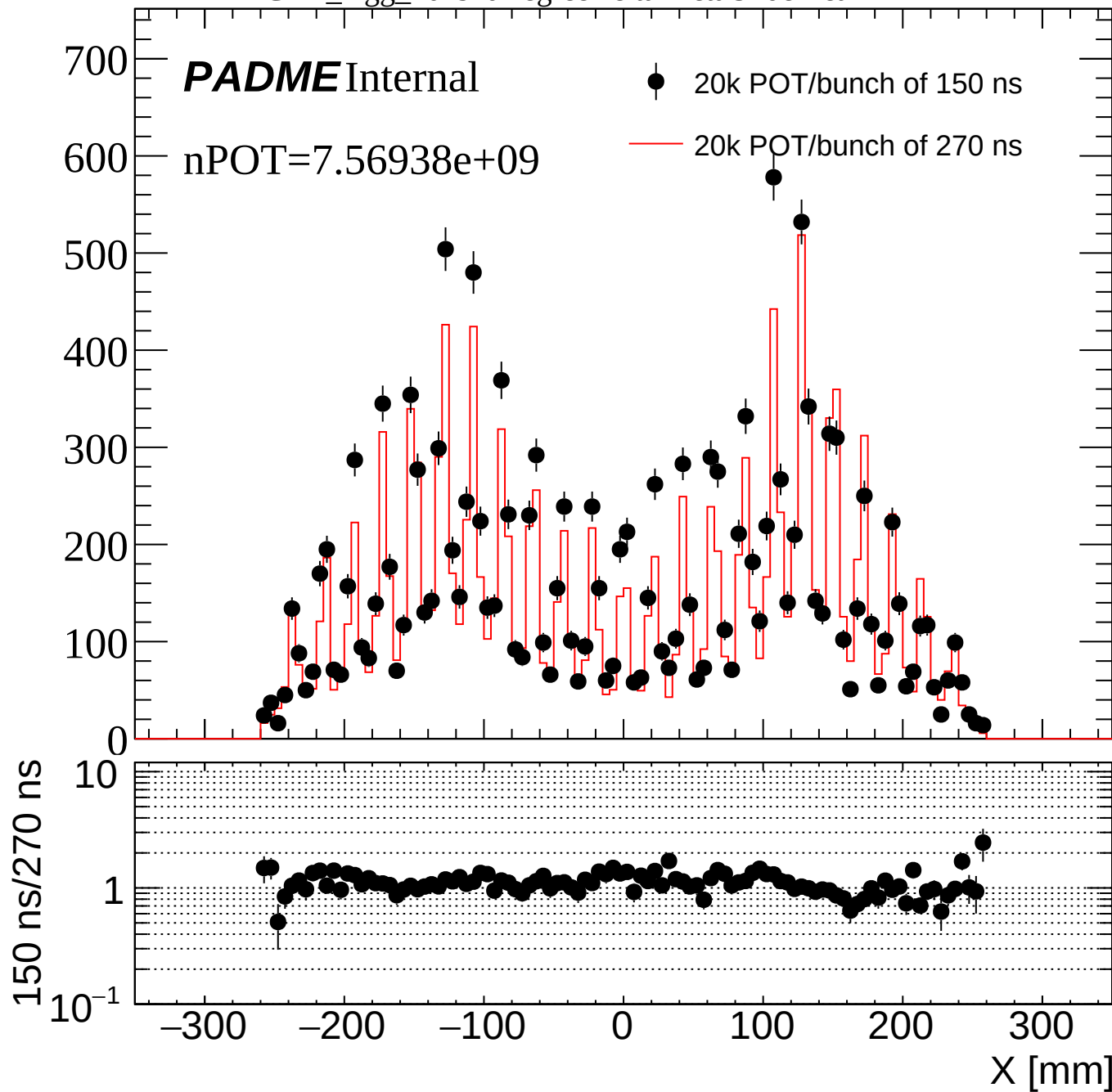
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



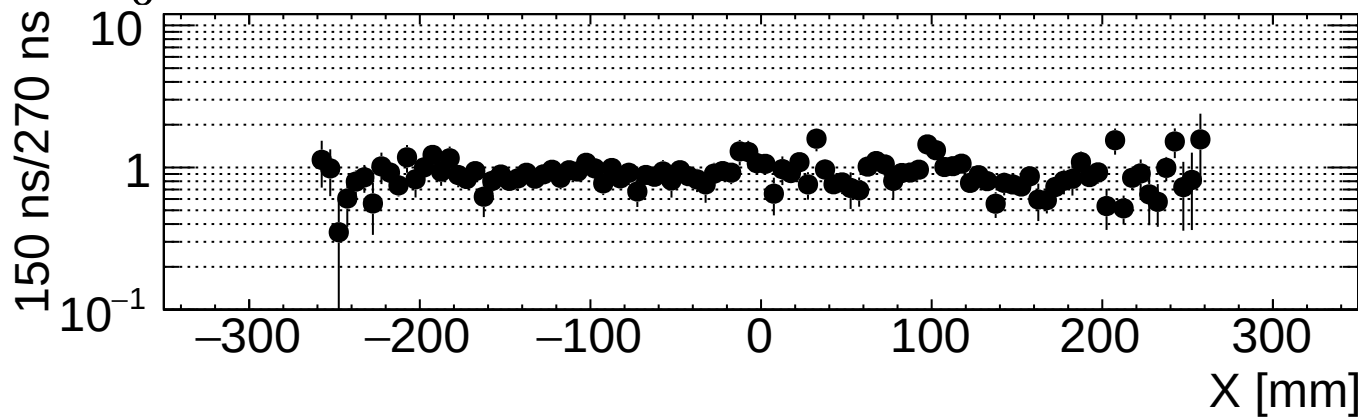
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak

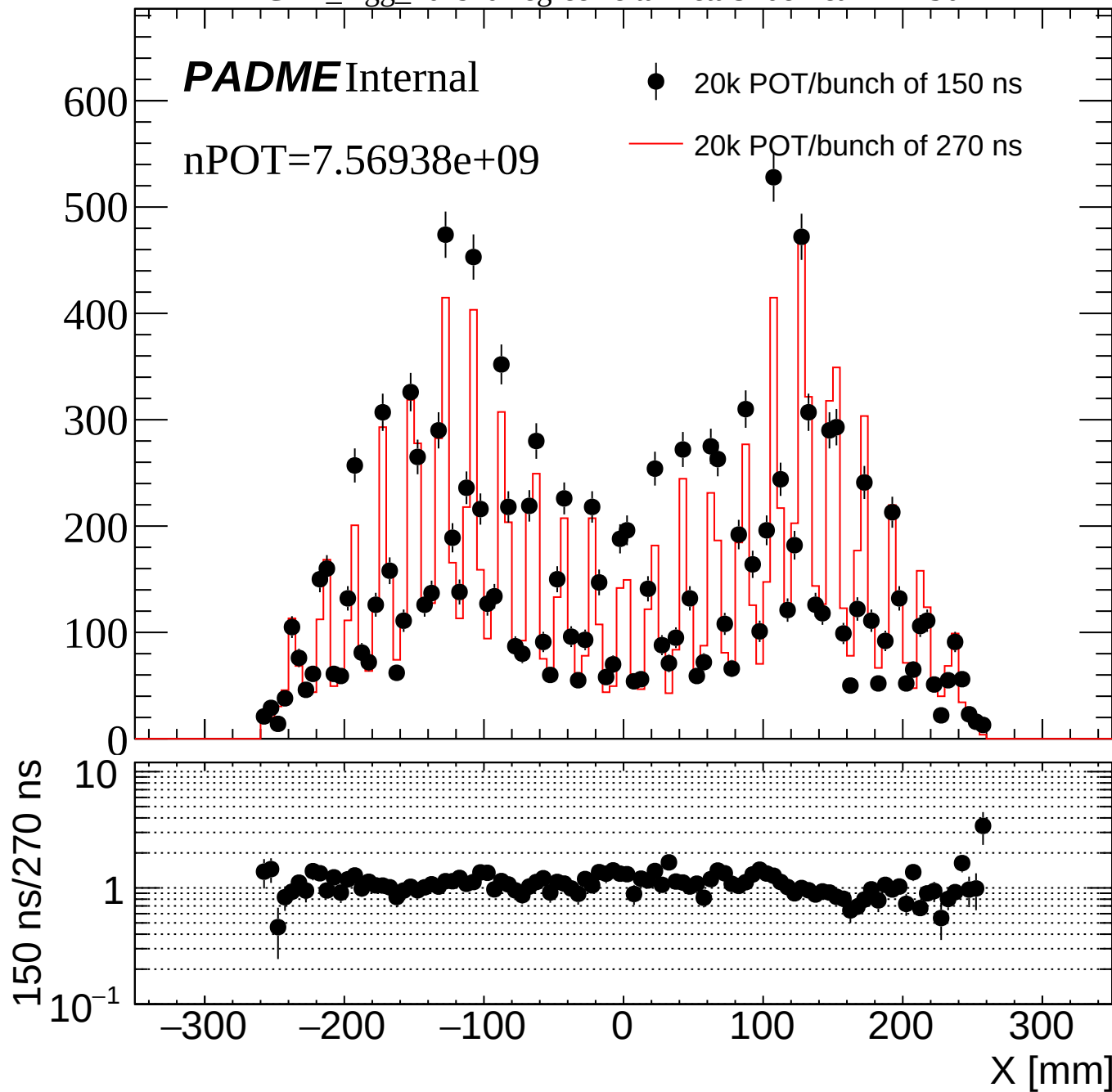
PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





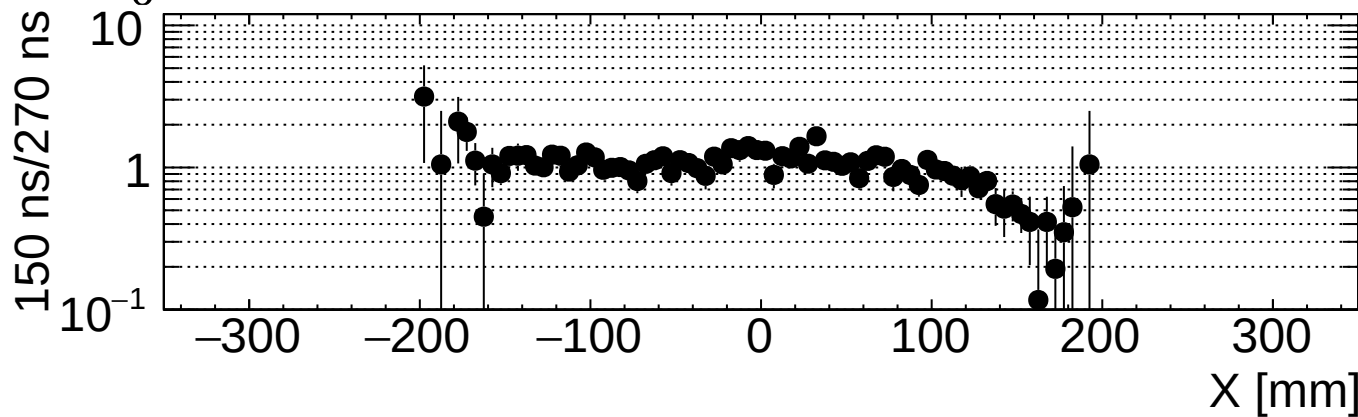
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

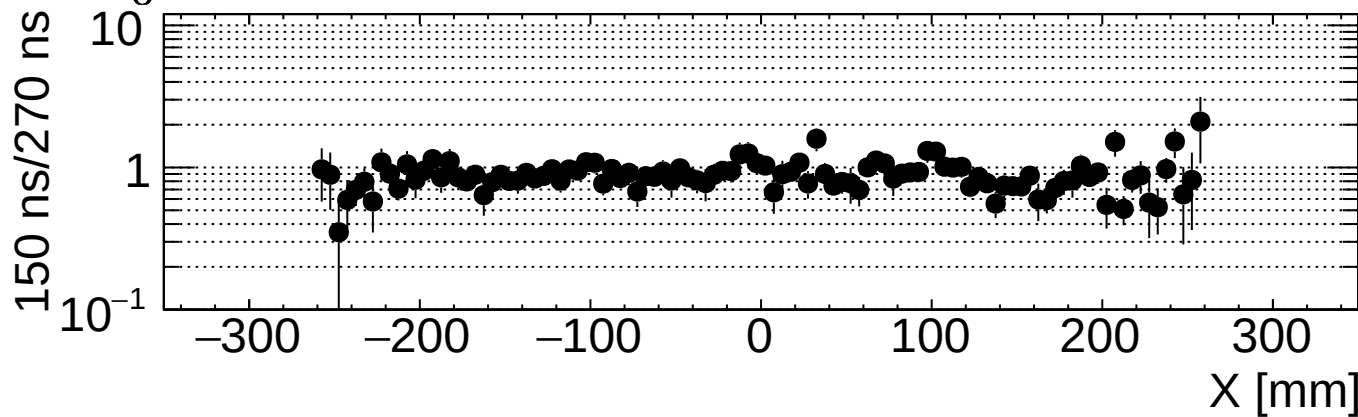


PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



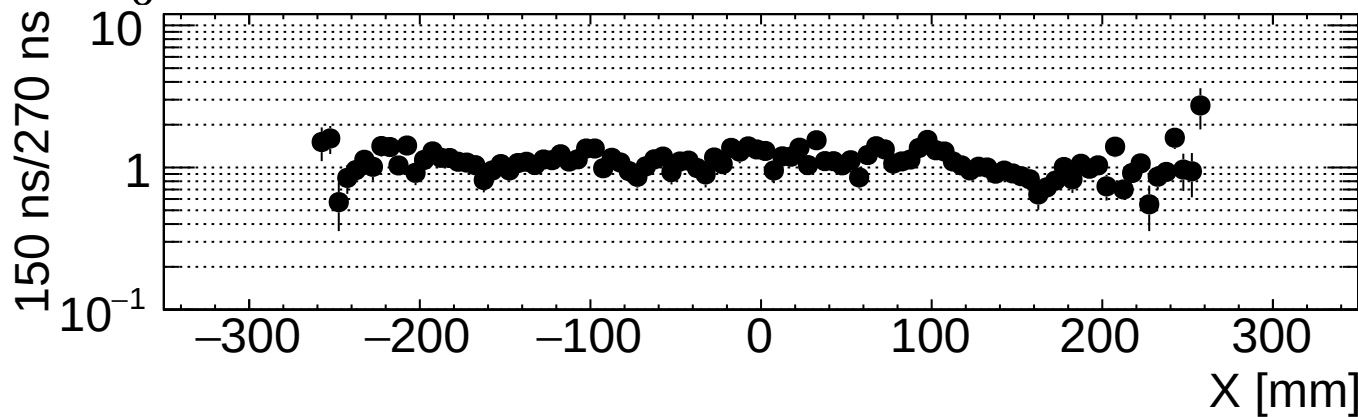
ECAL_Xgg_10ns20DegreeDeltaThetaEThr90

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



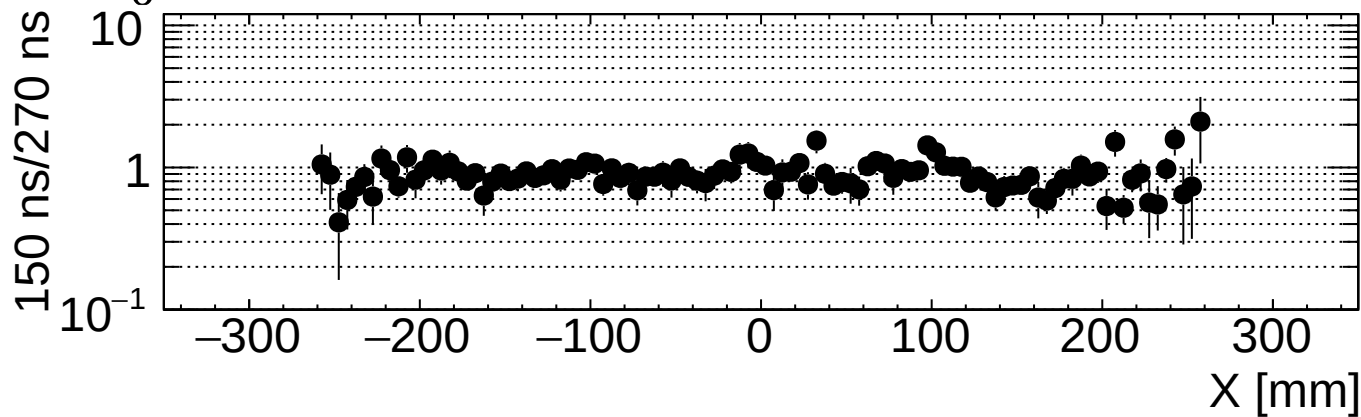
ECAL_Xgg_10ns5DegreeDeltaThetaEThr90

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



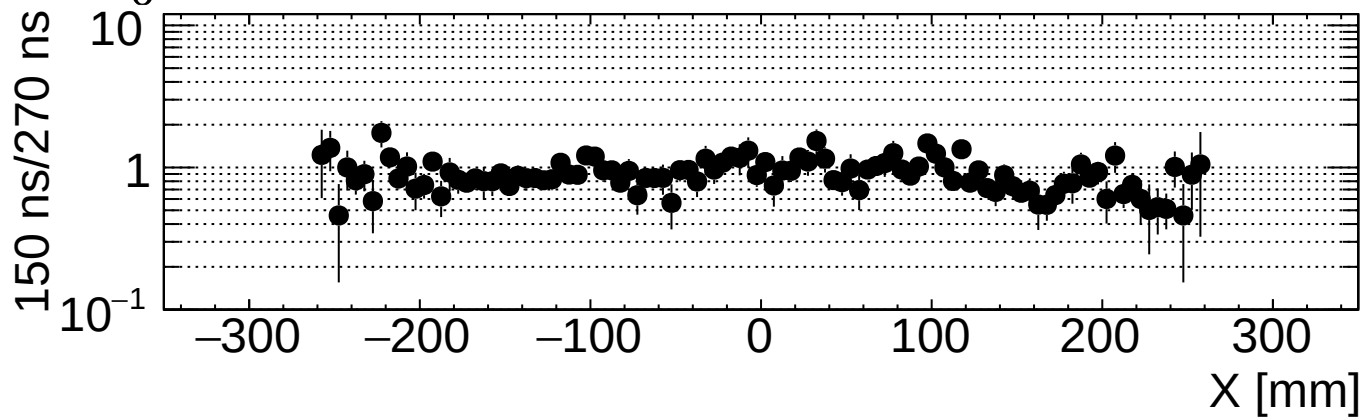
ECAL_Xgg_10ns1CoG

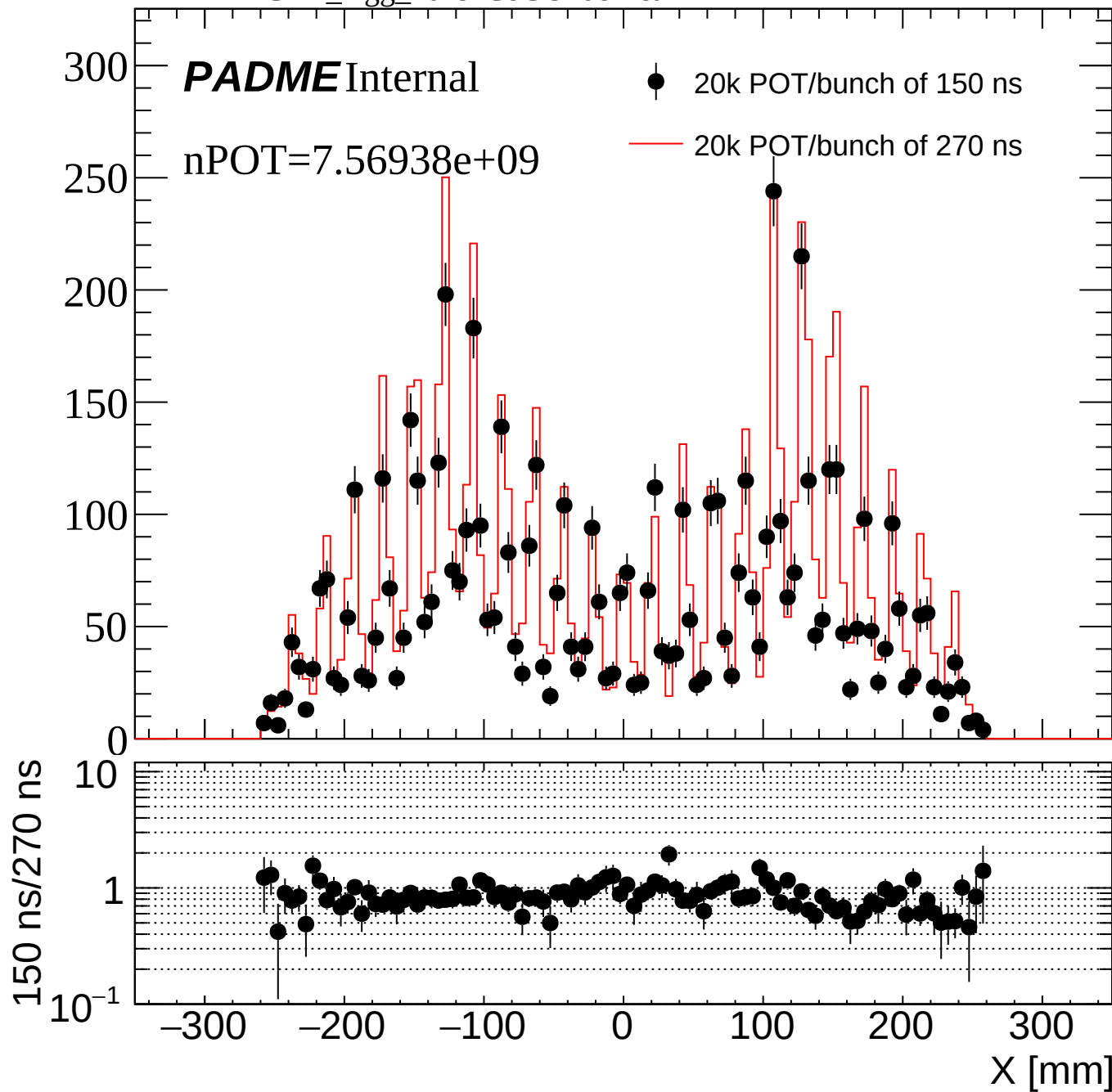
PADME Internal

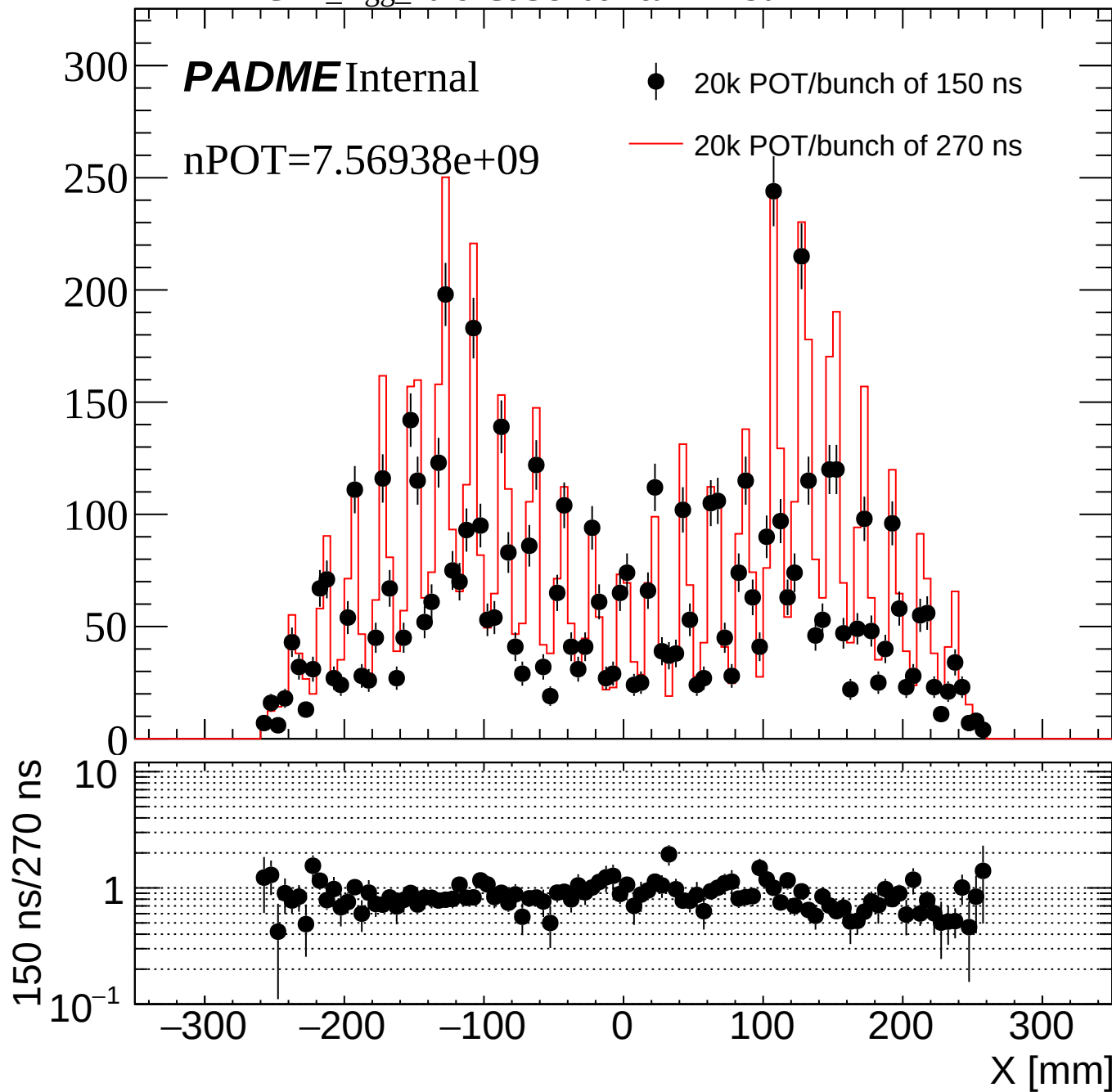
nPOT=7.56938e+09

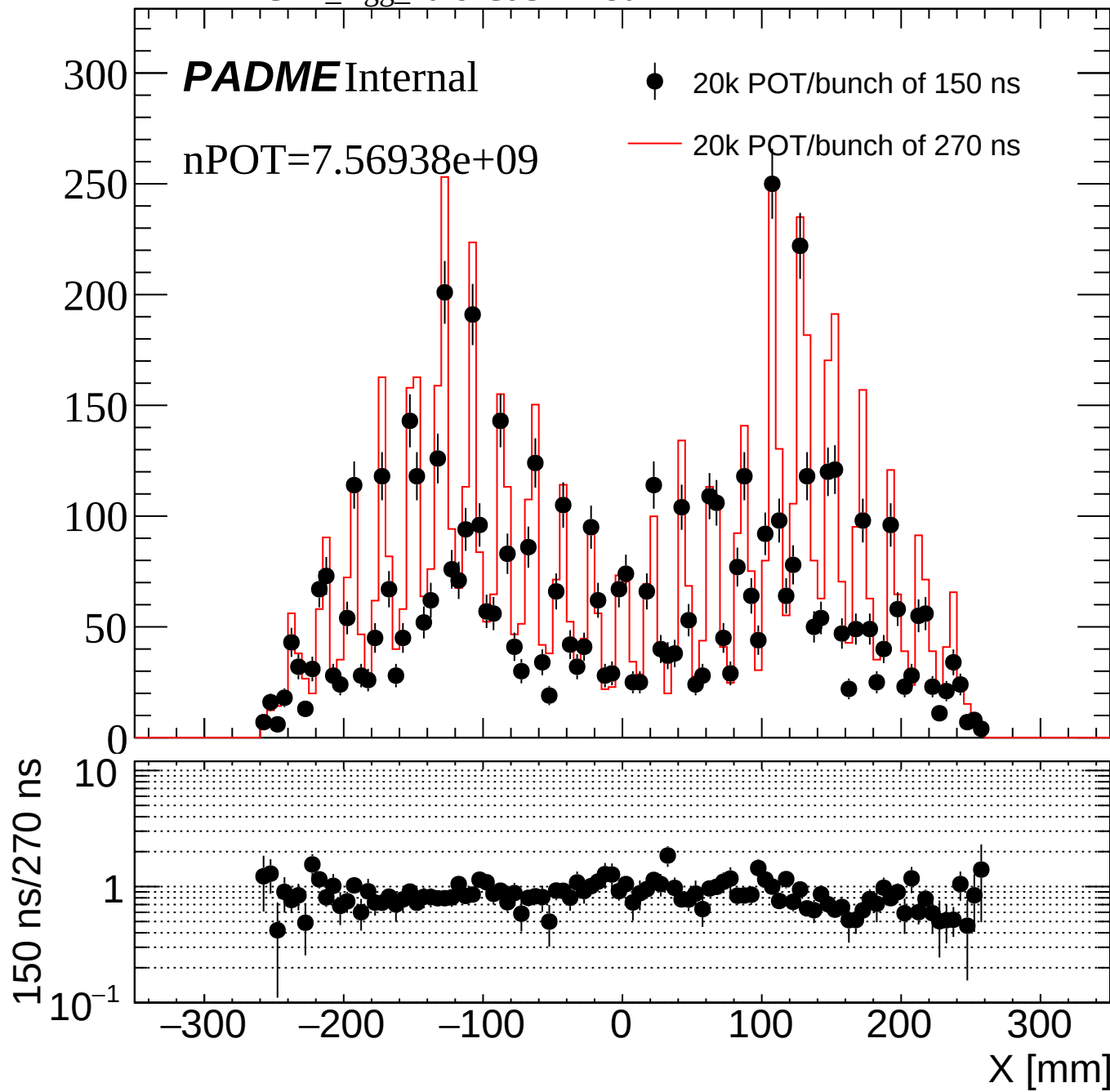
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns









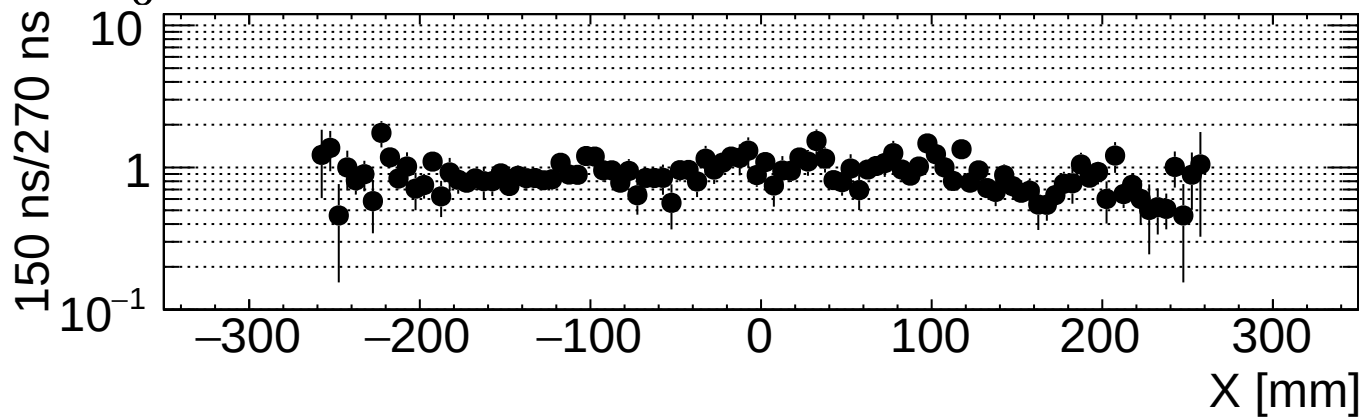
ECAL_Xgg_10ns1CoG20Degree

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



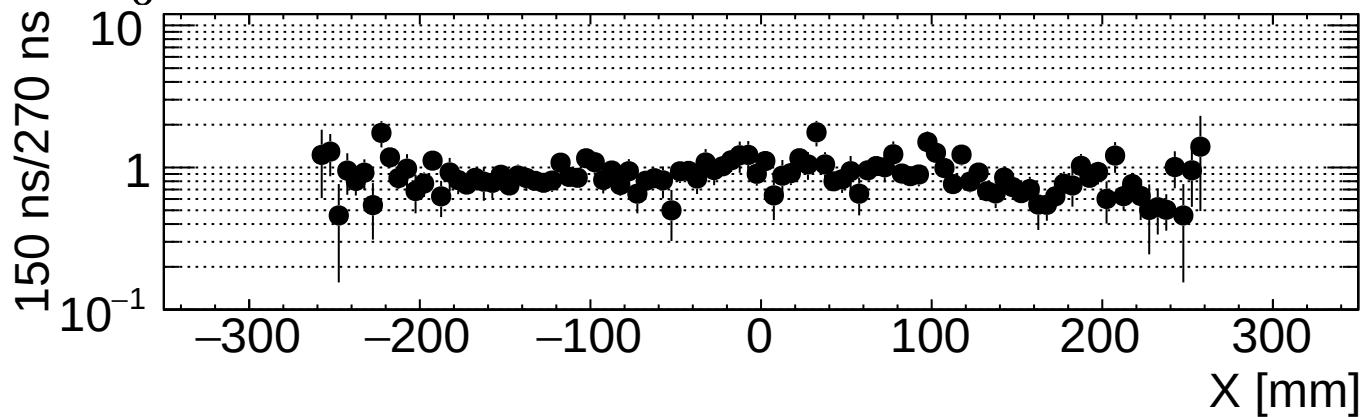
ECAL_Xgg_10ns1CoG20DegreeDeltaTheta

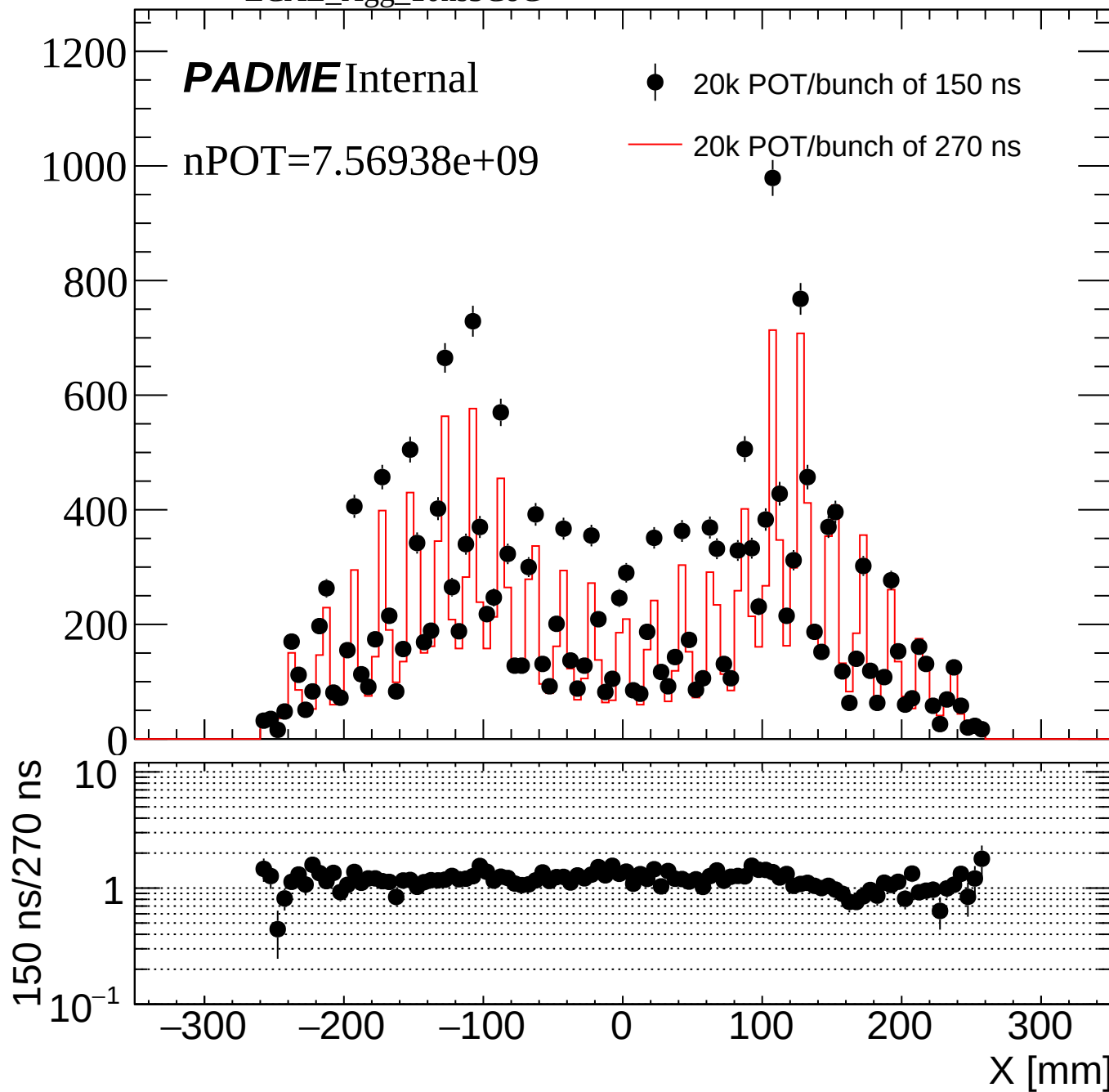
PADME Internal

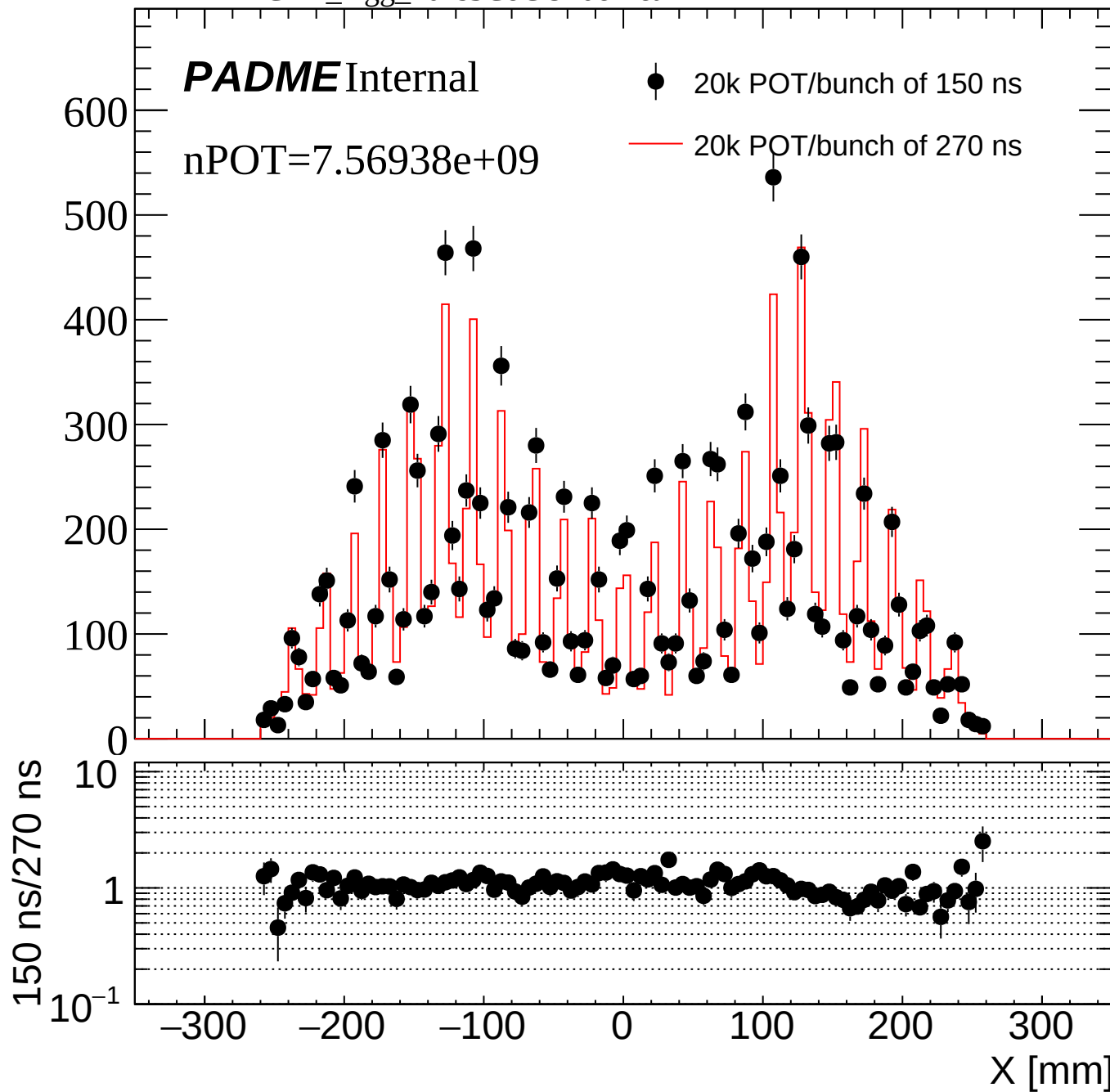
nPOT=7.56938e+09

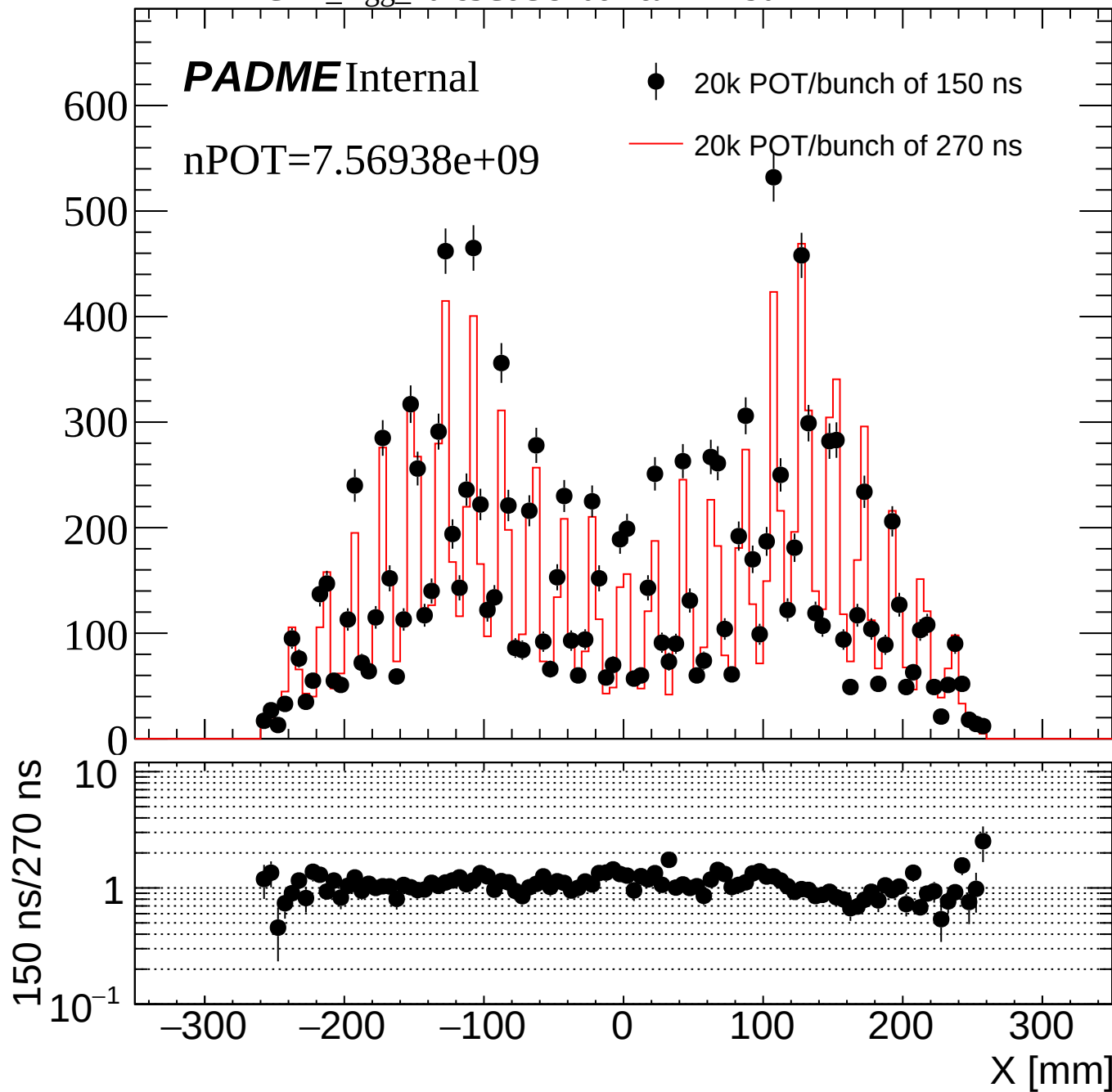
● 20k POT/bunch of 150 ns

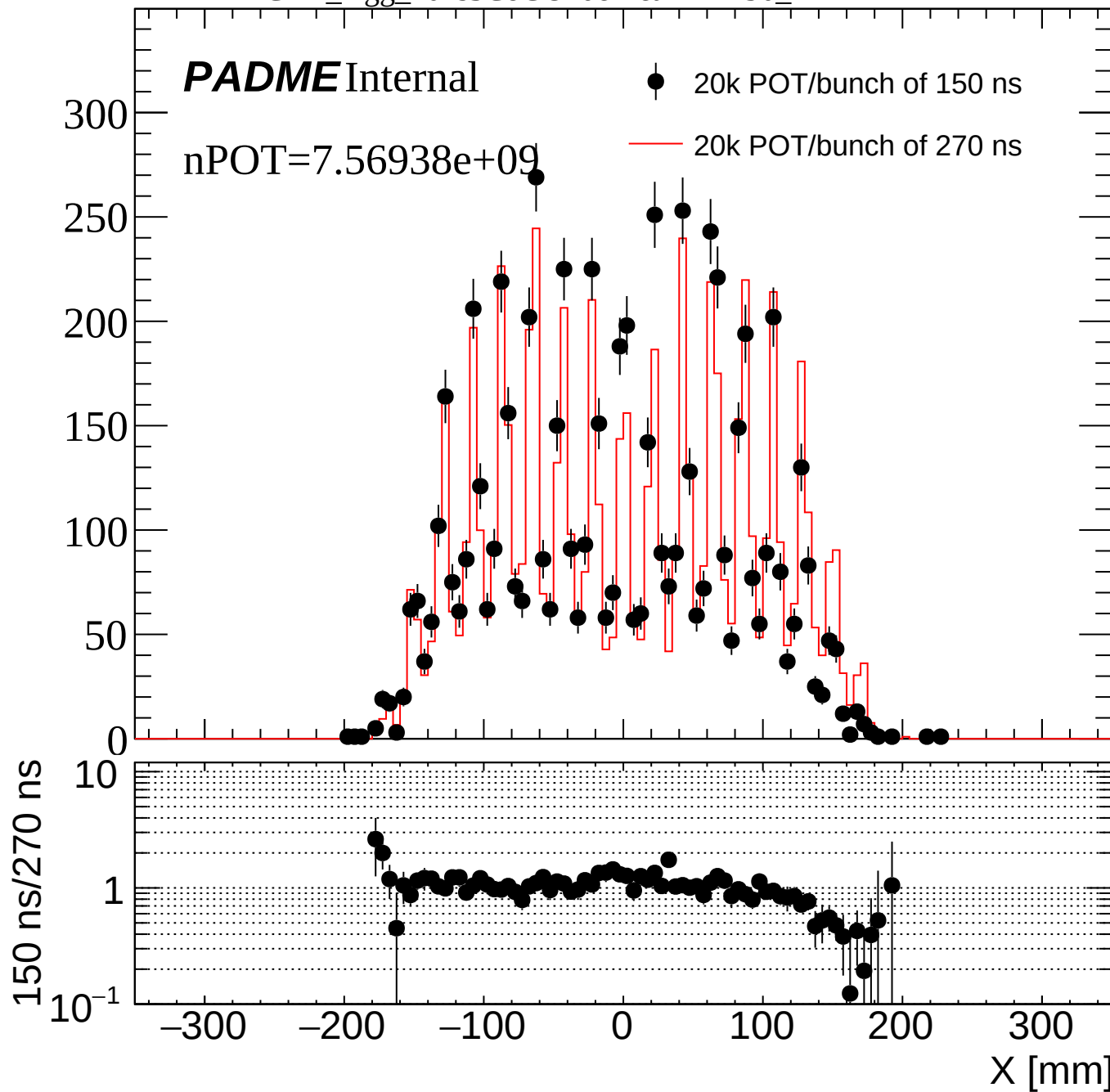
— 20k POT/bunch of 270 ns

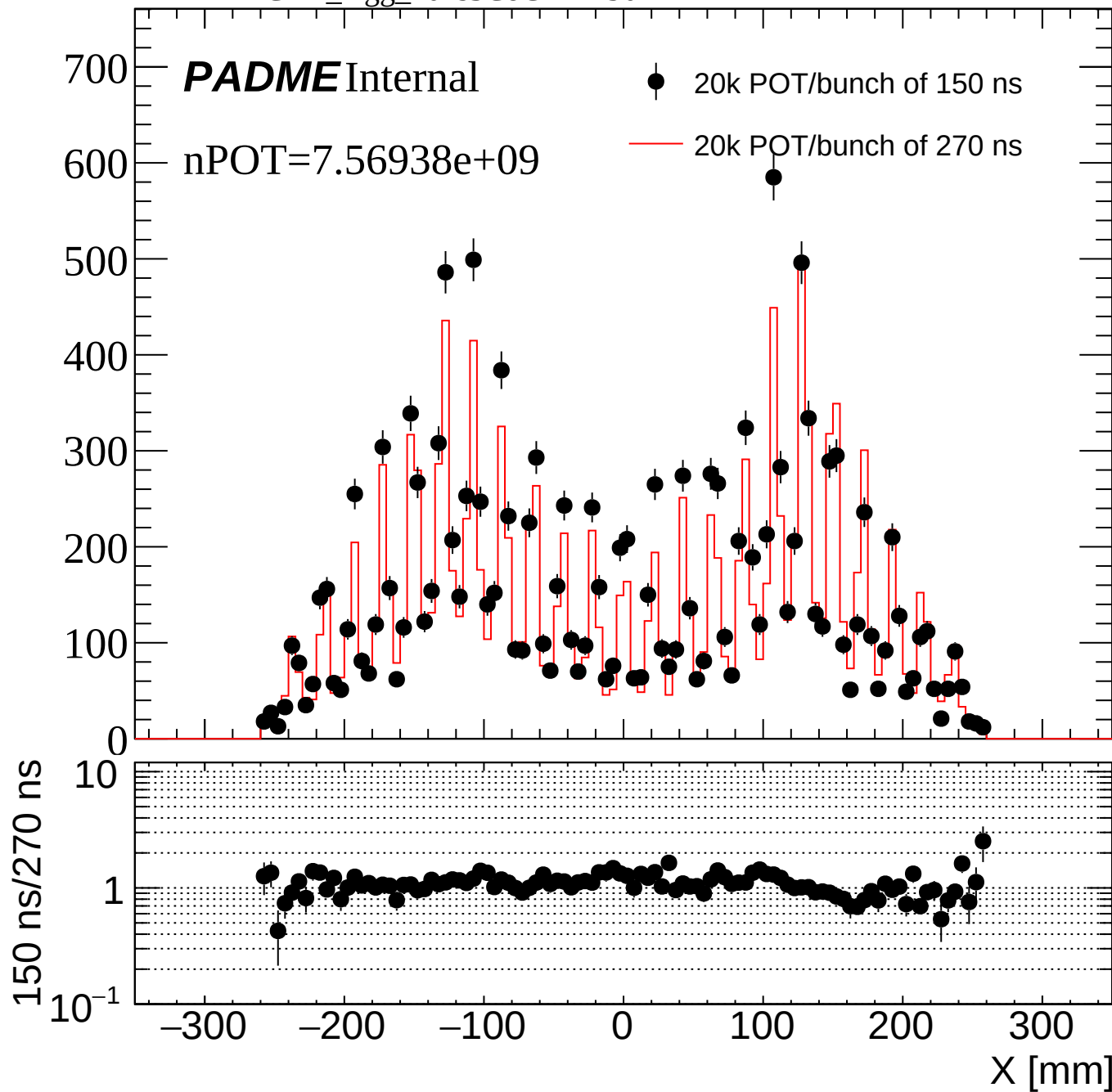












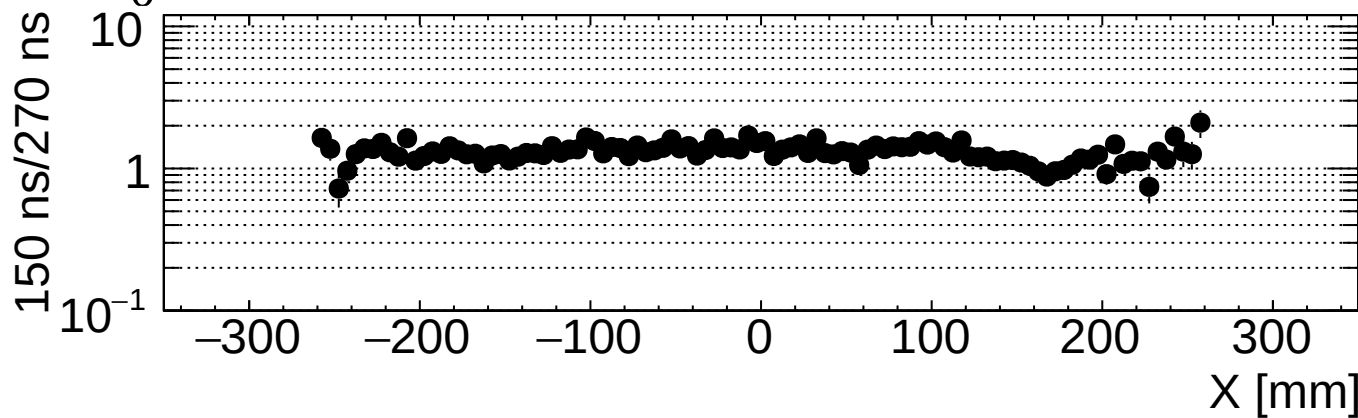
ECAL_Xgg_10ns5CoG

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



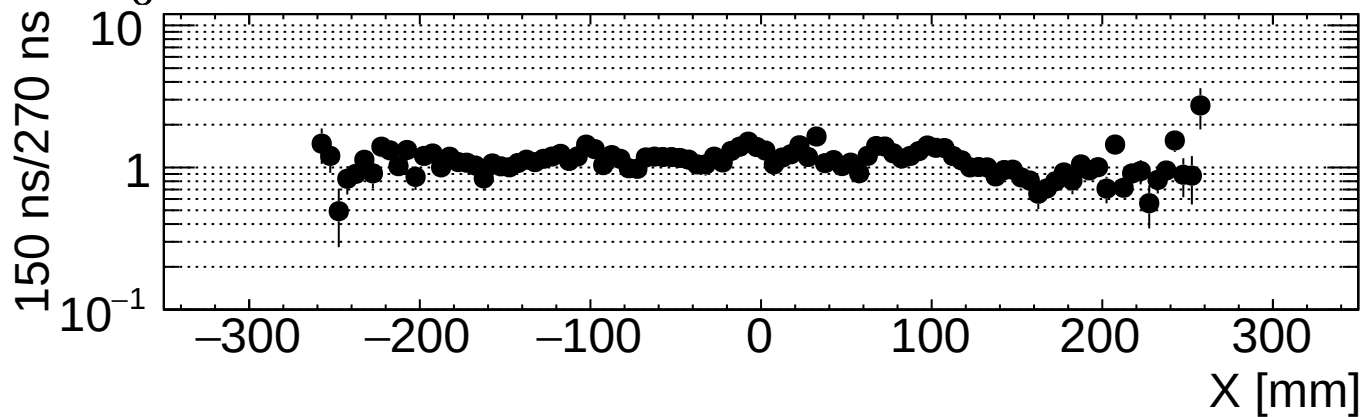
ECAL_Xgg_10ns5CoGUnderPeak

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



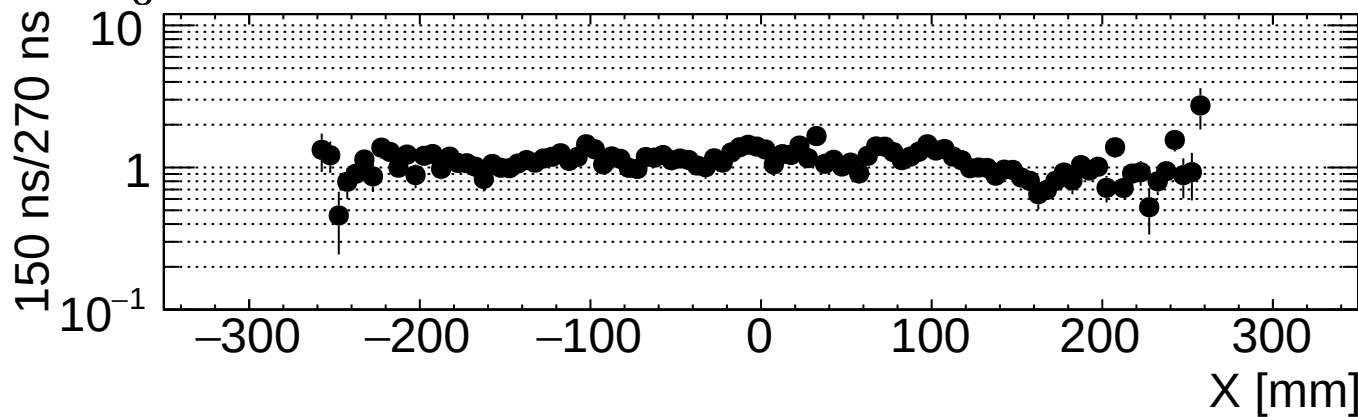
ECAL_Xgg_10ns5CoGUnderPeakEThr90

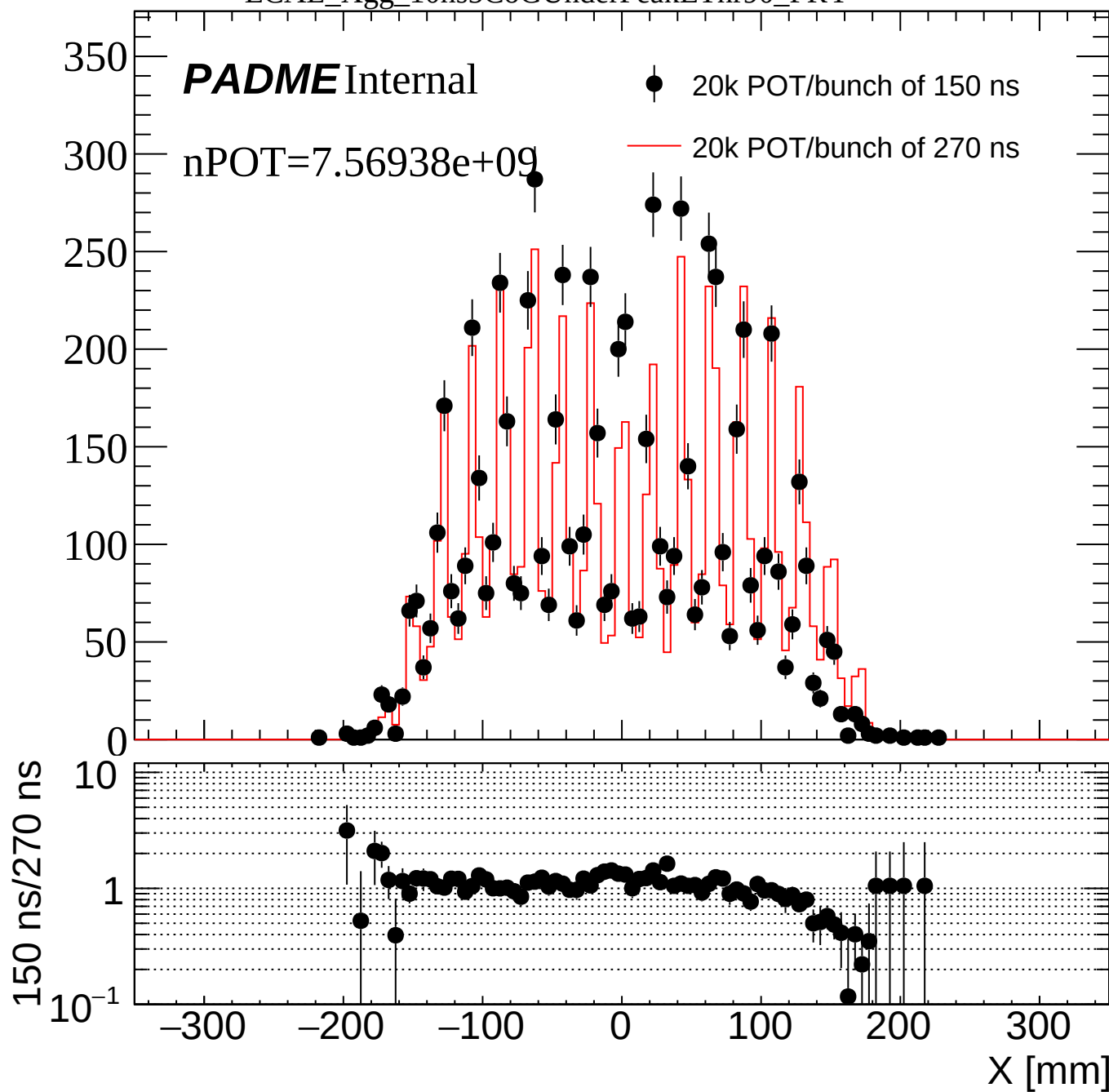
PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





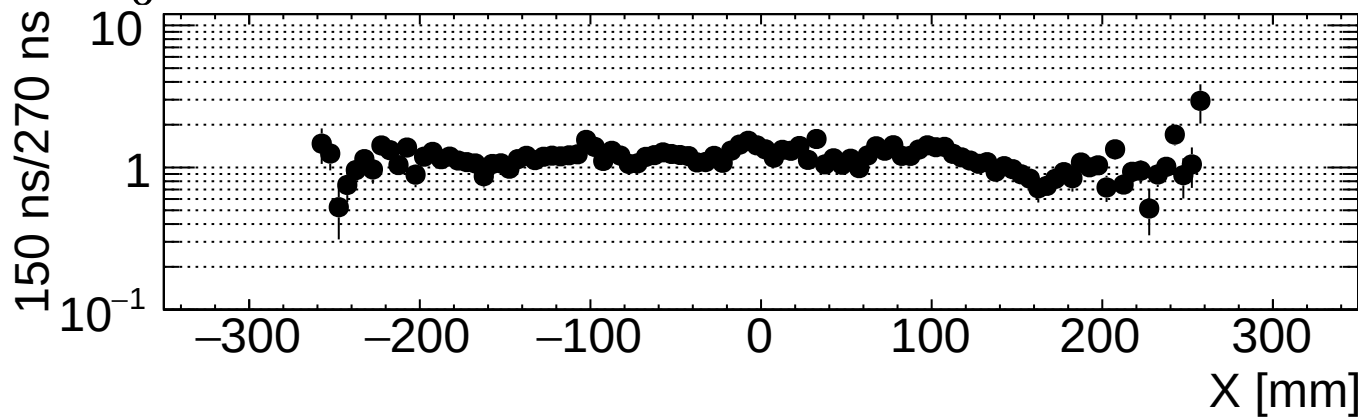
ECAL_Xgg_10ns5CoGEThr90

PADME Internal

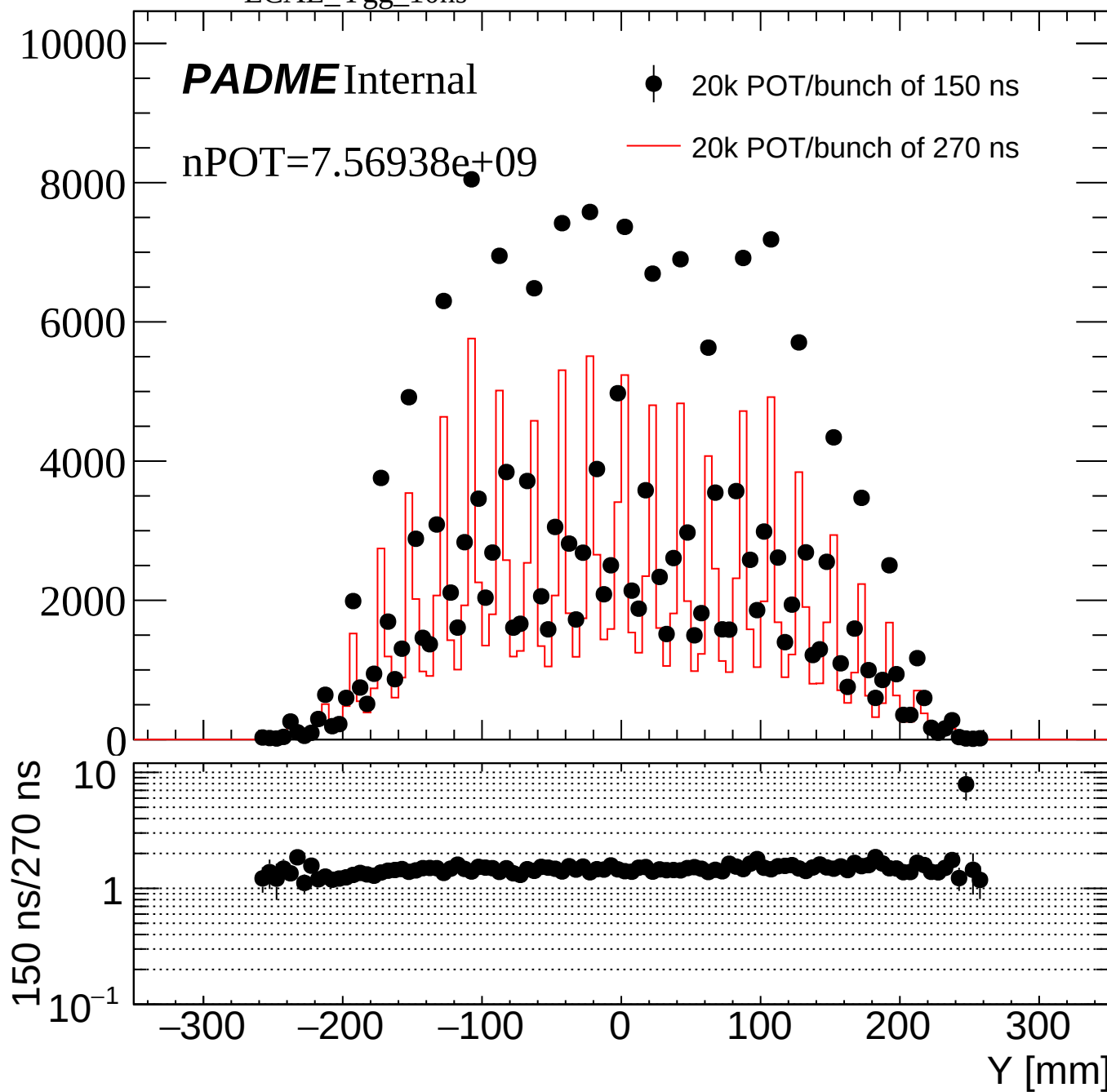
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

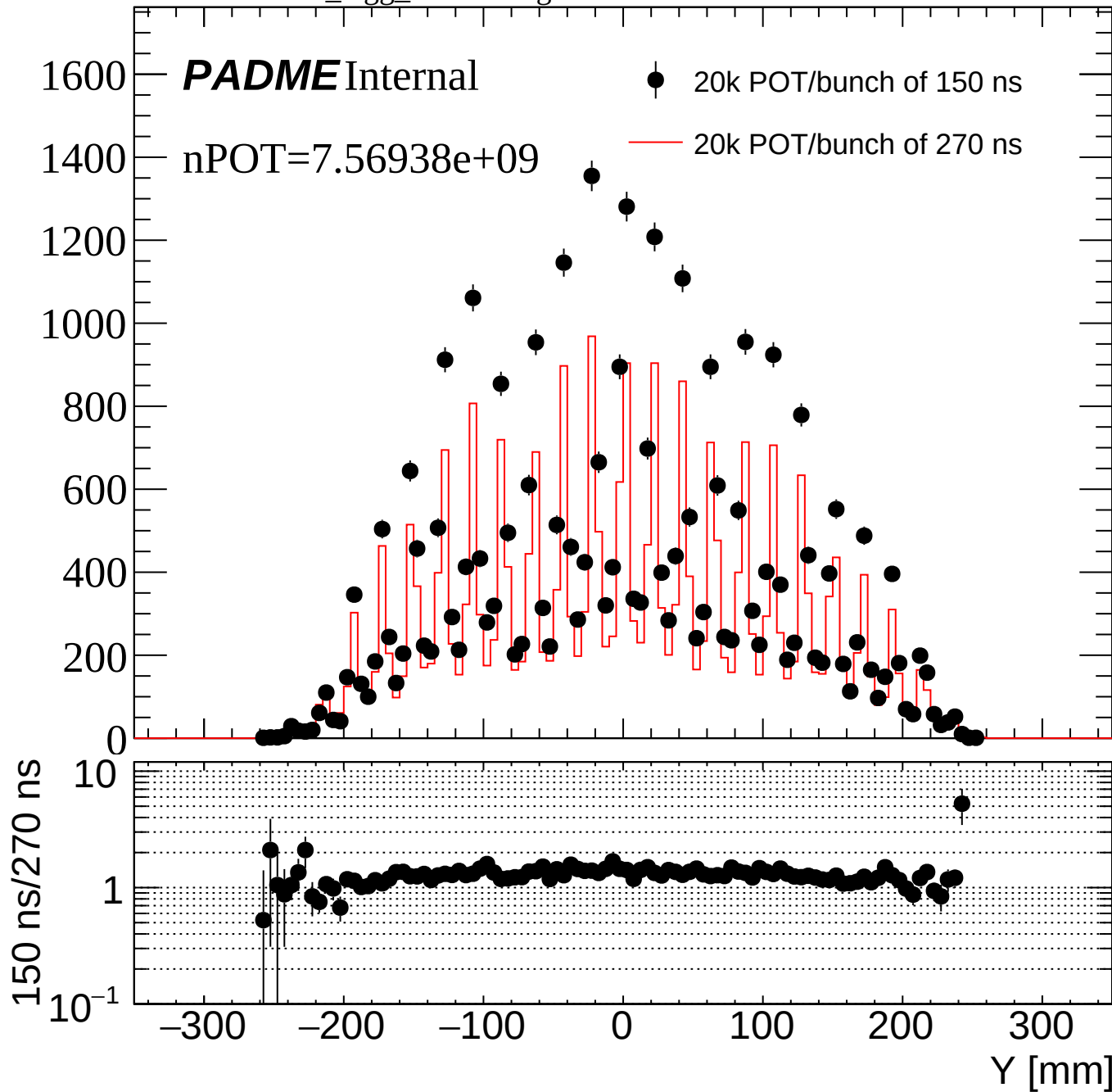
— 20k POT/bunch of 270 ns



ECAL_Ygg_10ns



ECAL_Ygg_10ns20Degree



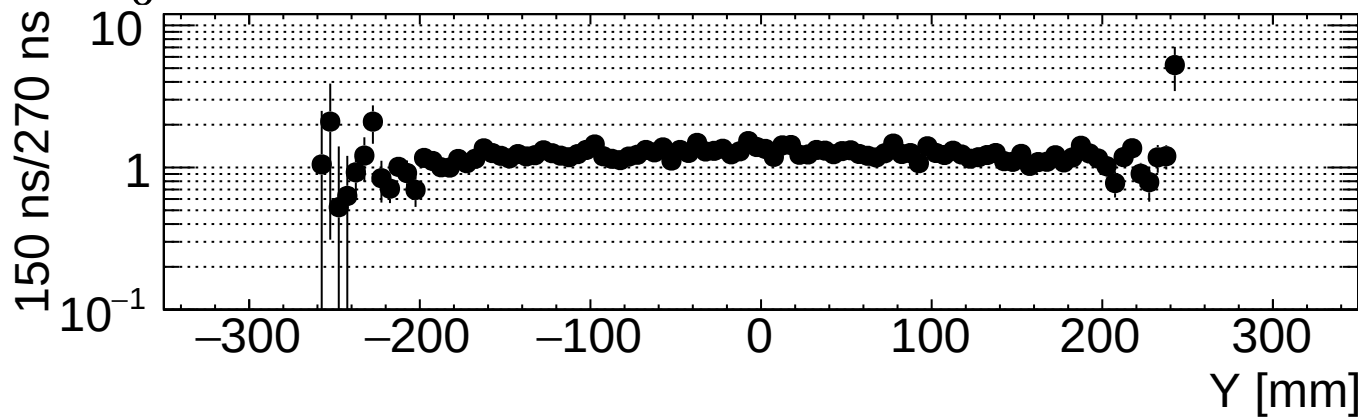
ECAL_Ygg_10ns20DegreeDeltaTheta

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



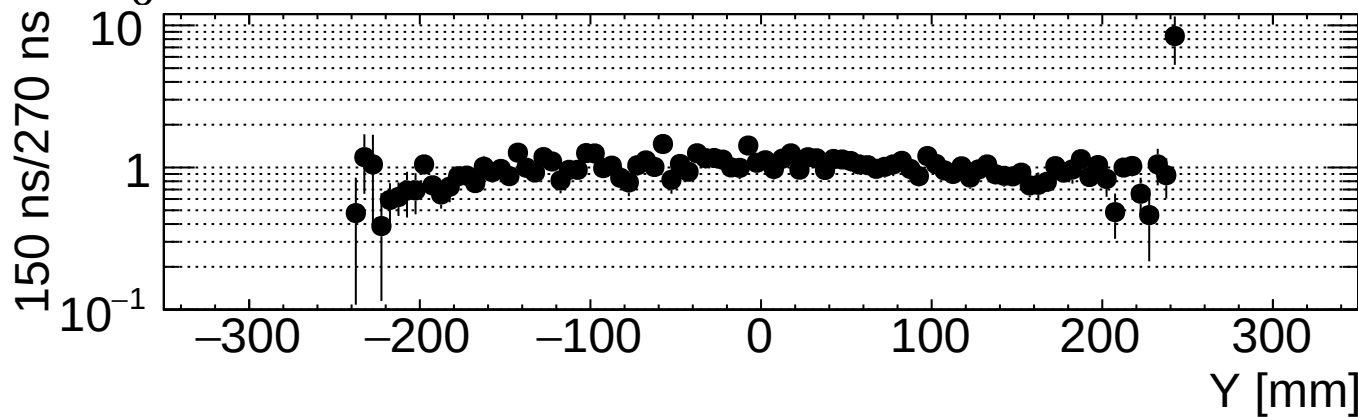
ECAL_Ygg_10ns5DegreeDeltaTheta

PADME Internal

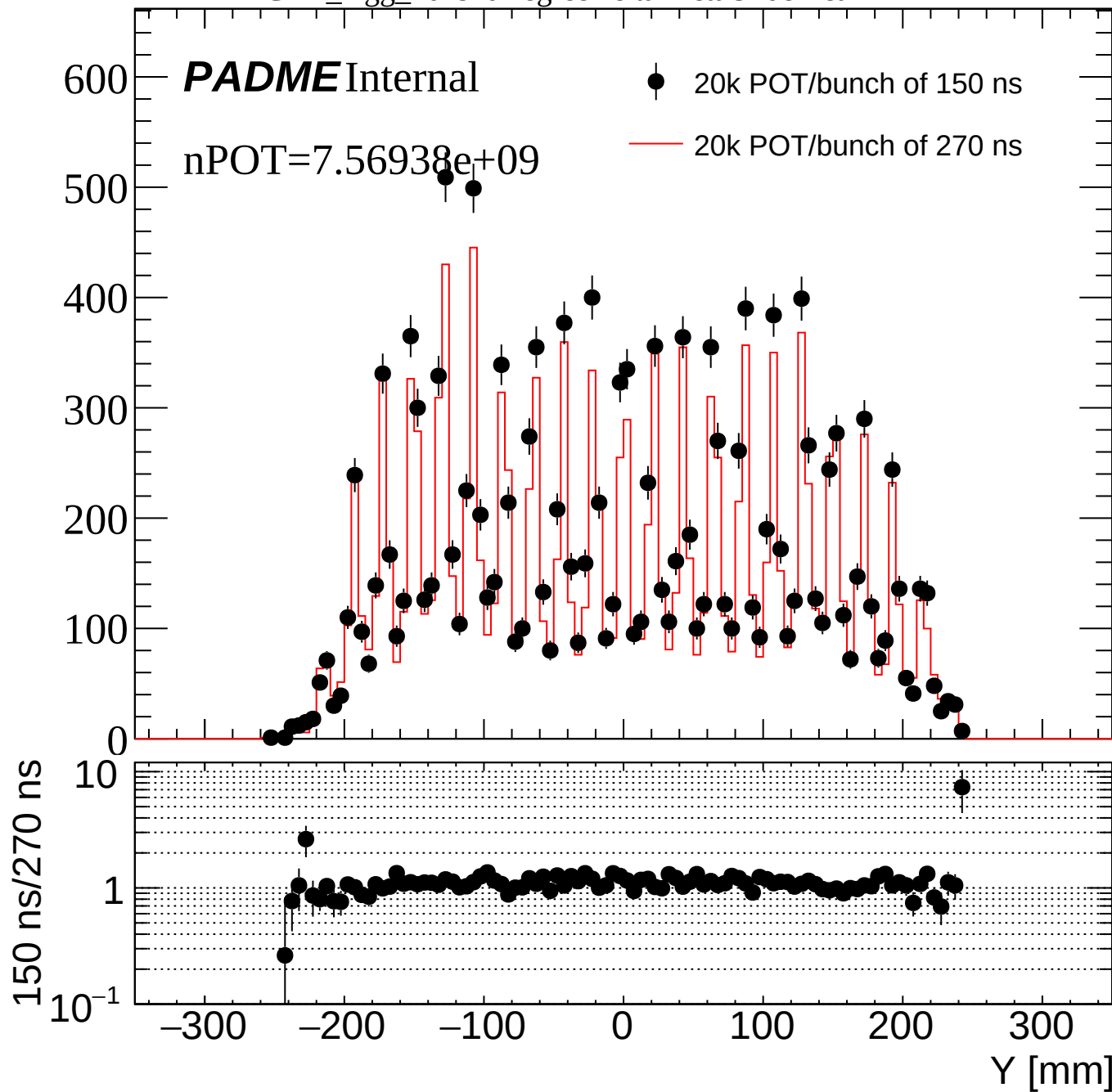
nPOT=7.56938e+09

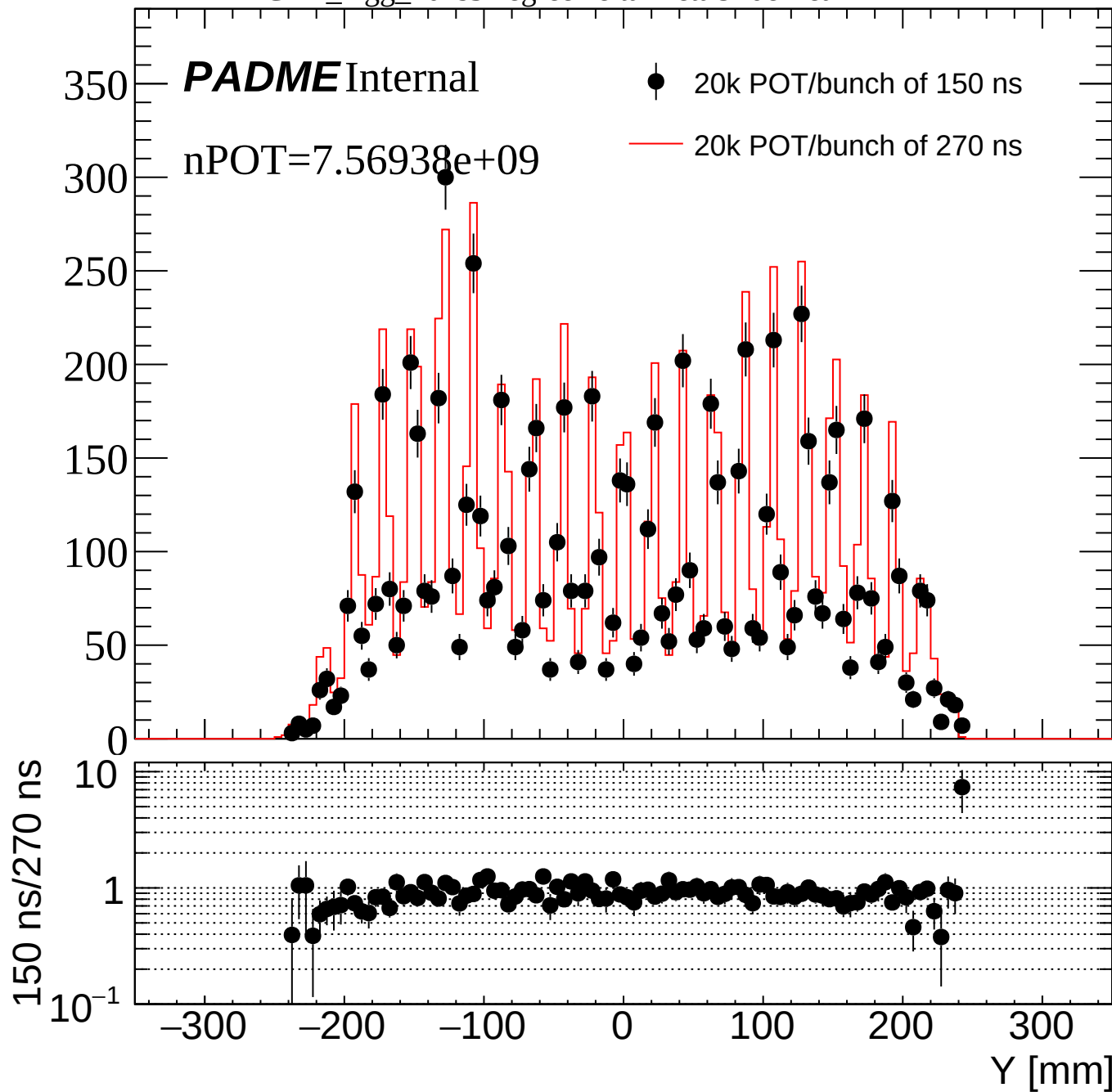
● 20k POT/bunch of 150 ns

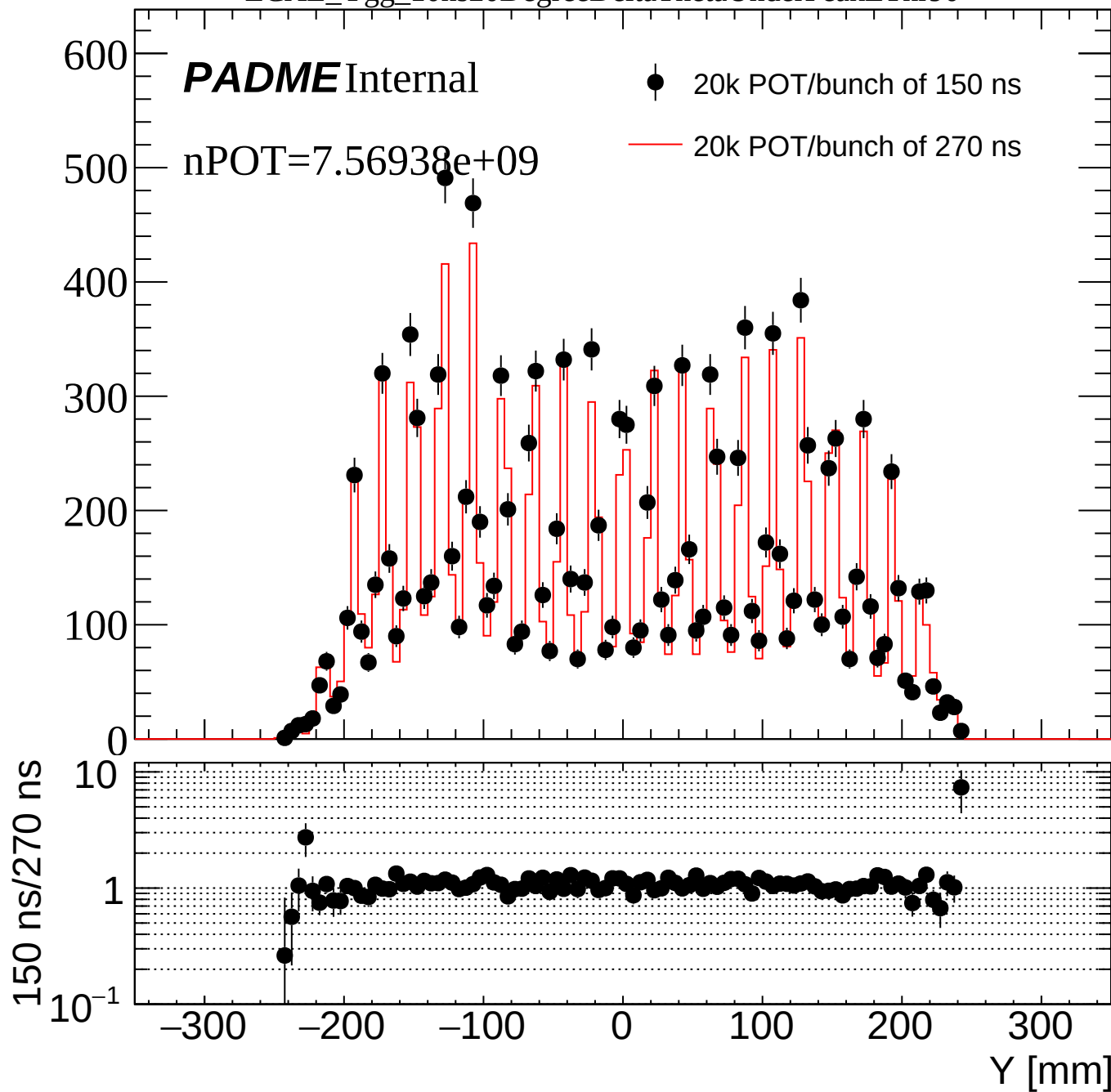
— 20k POT/bunch of 270 ns

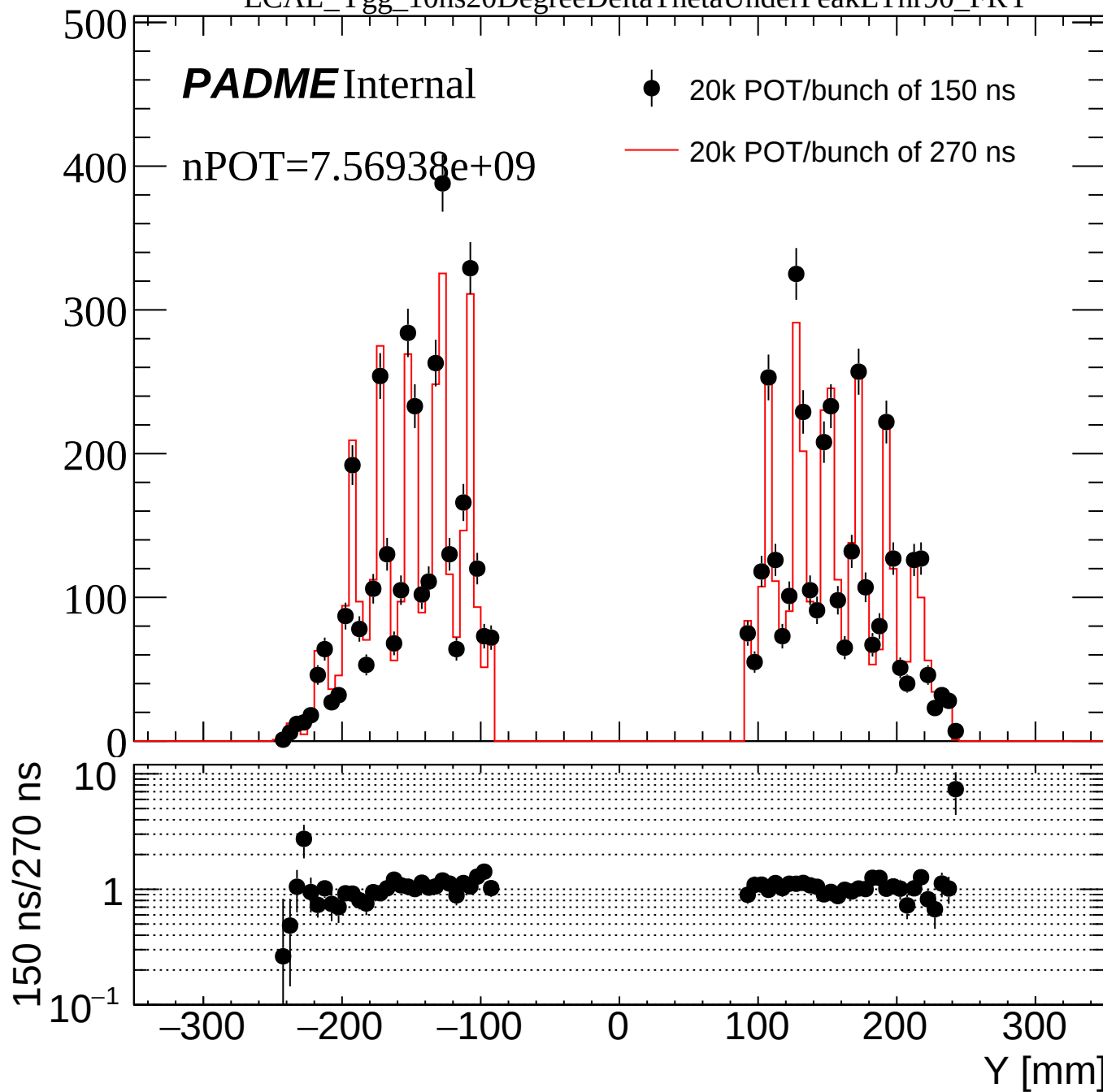


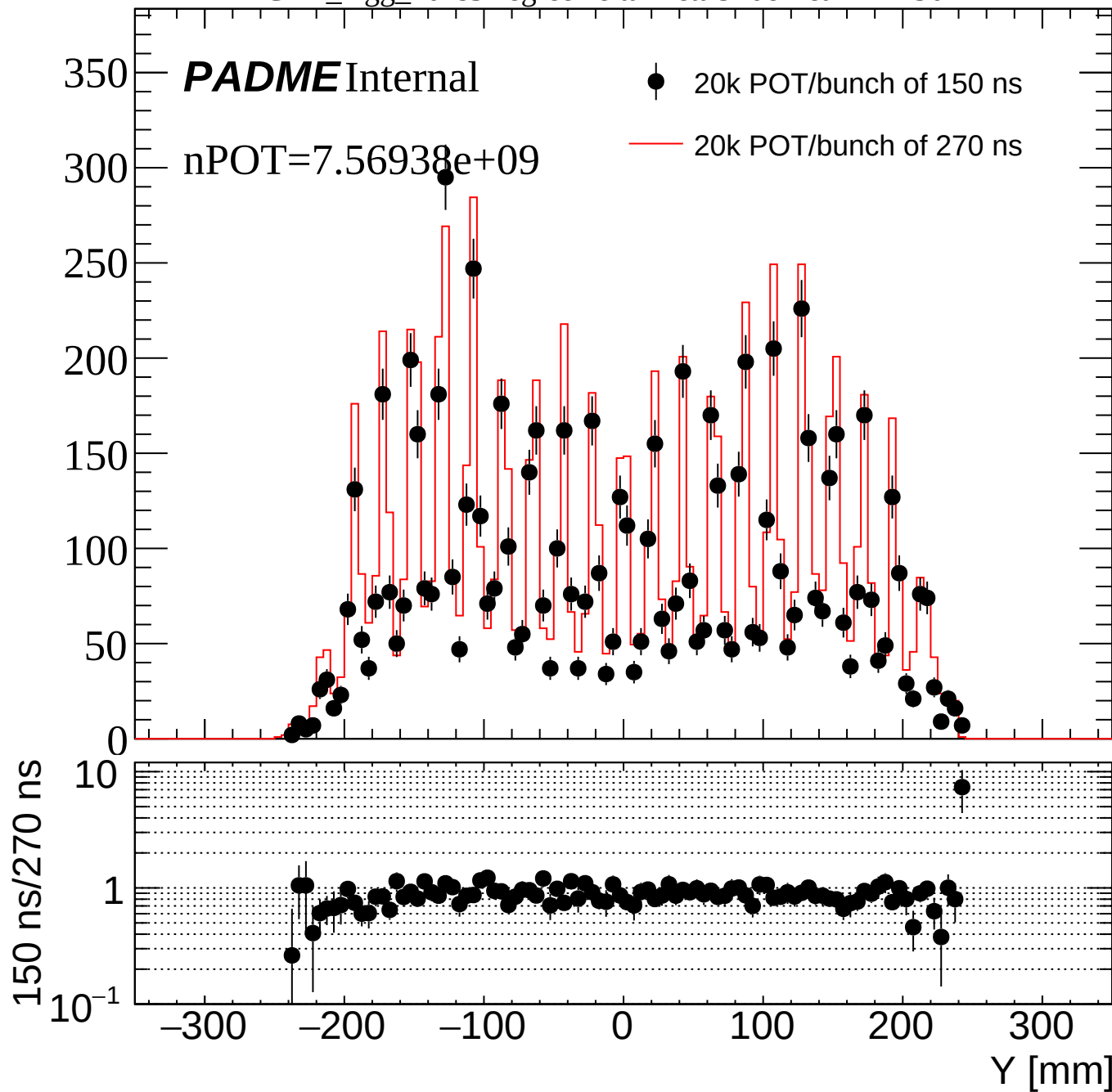
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak

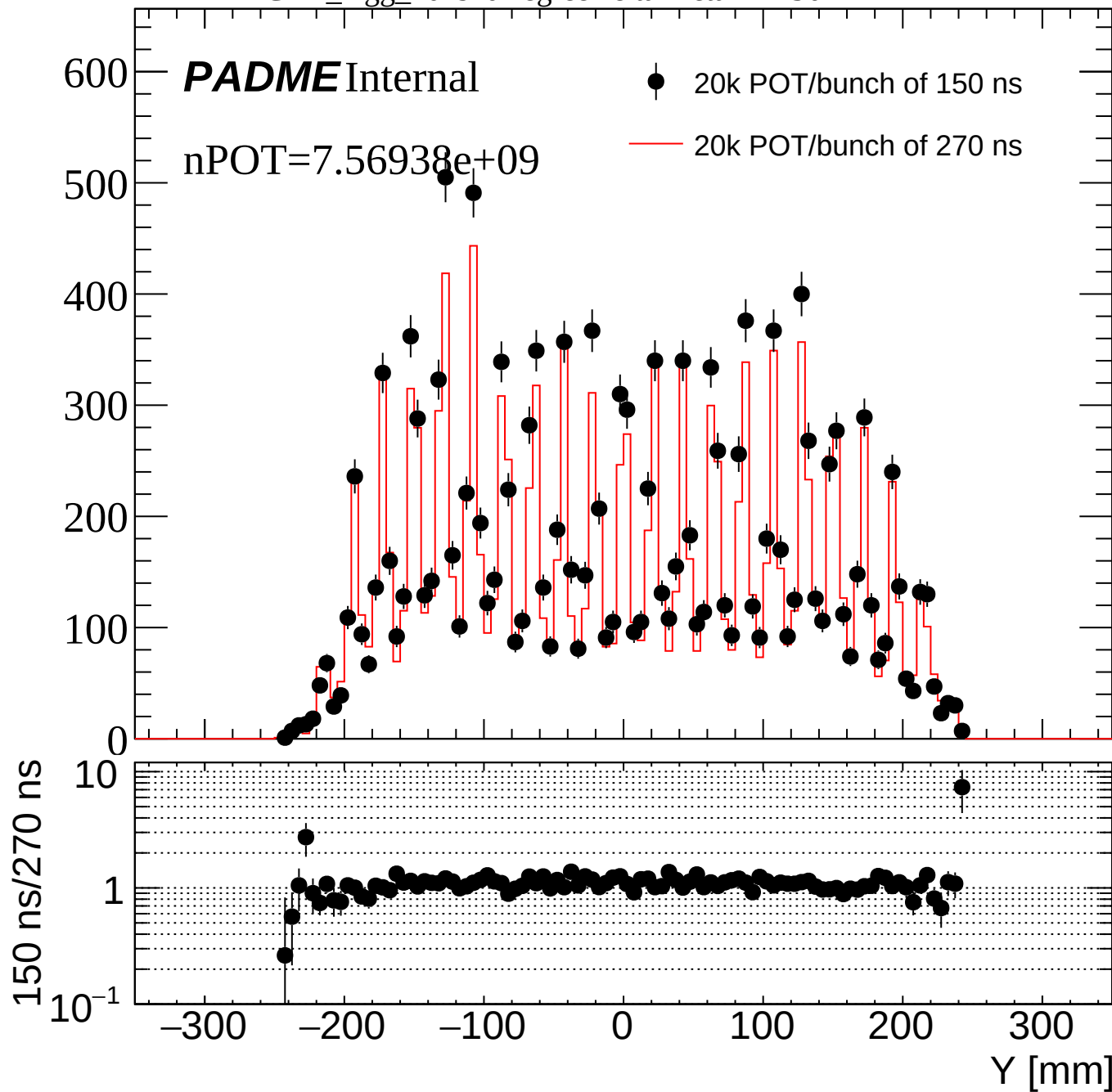


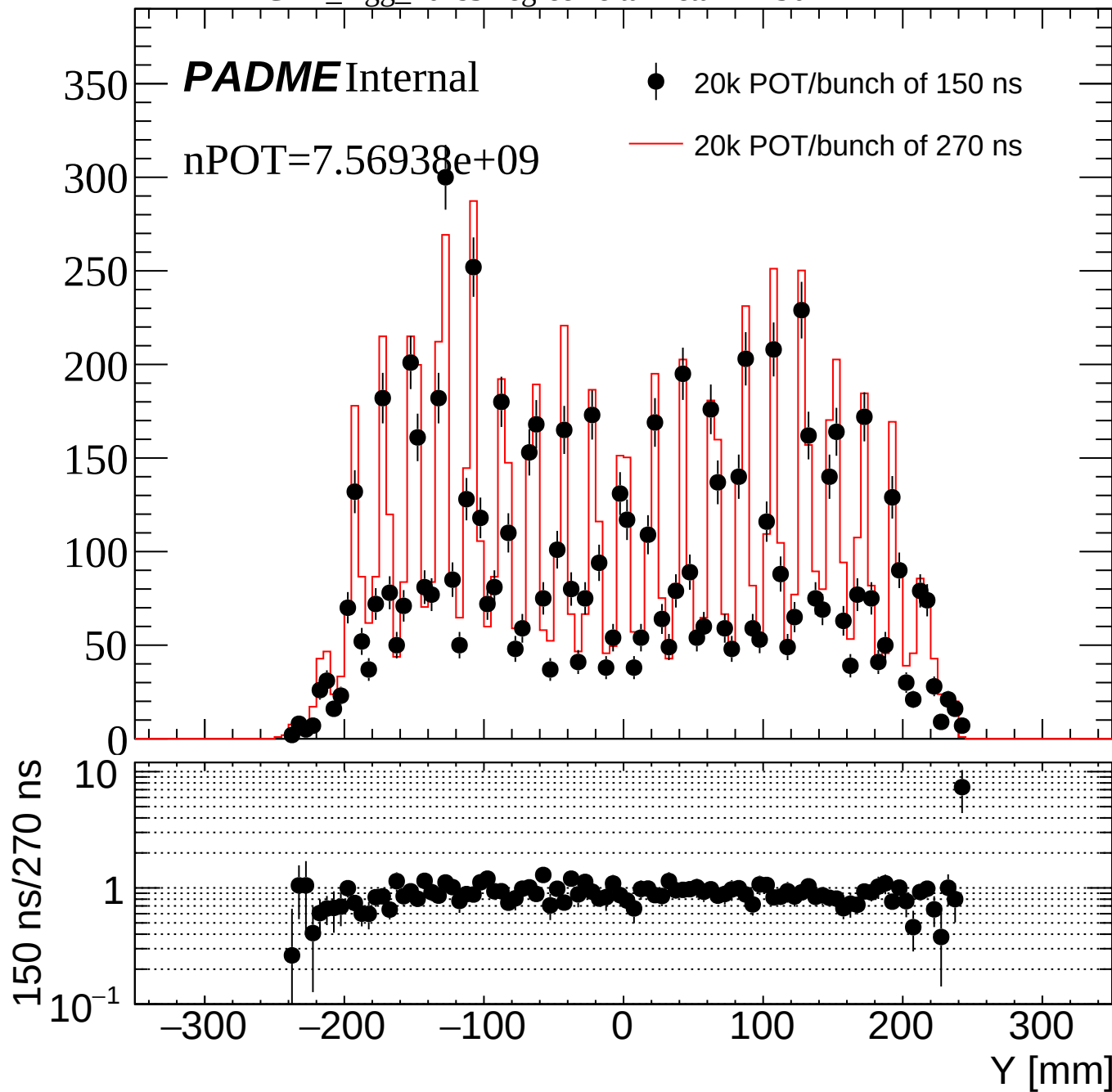


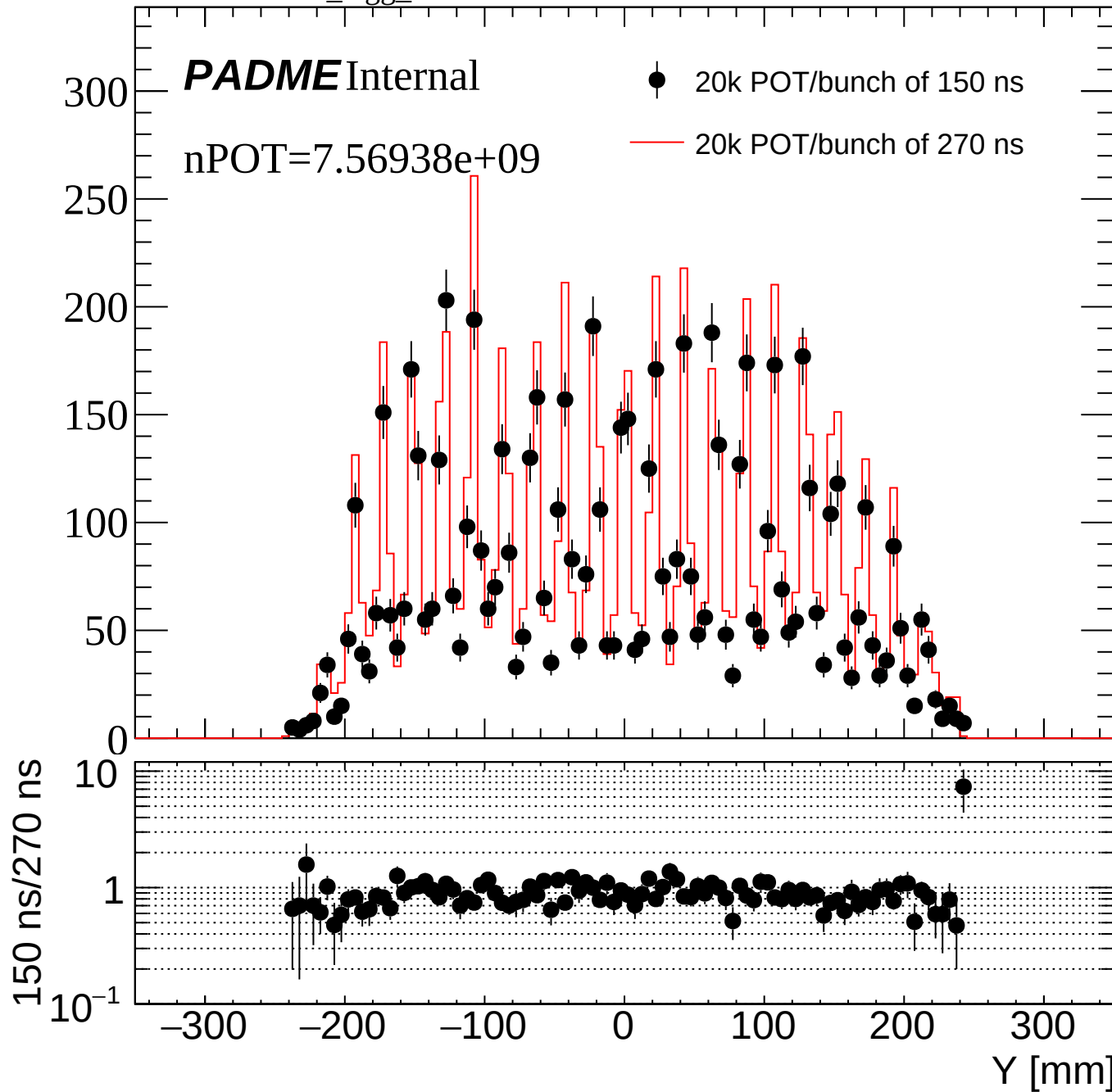


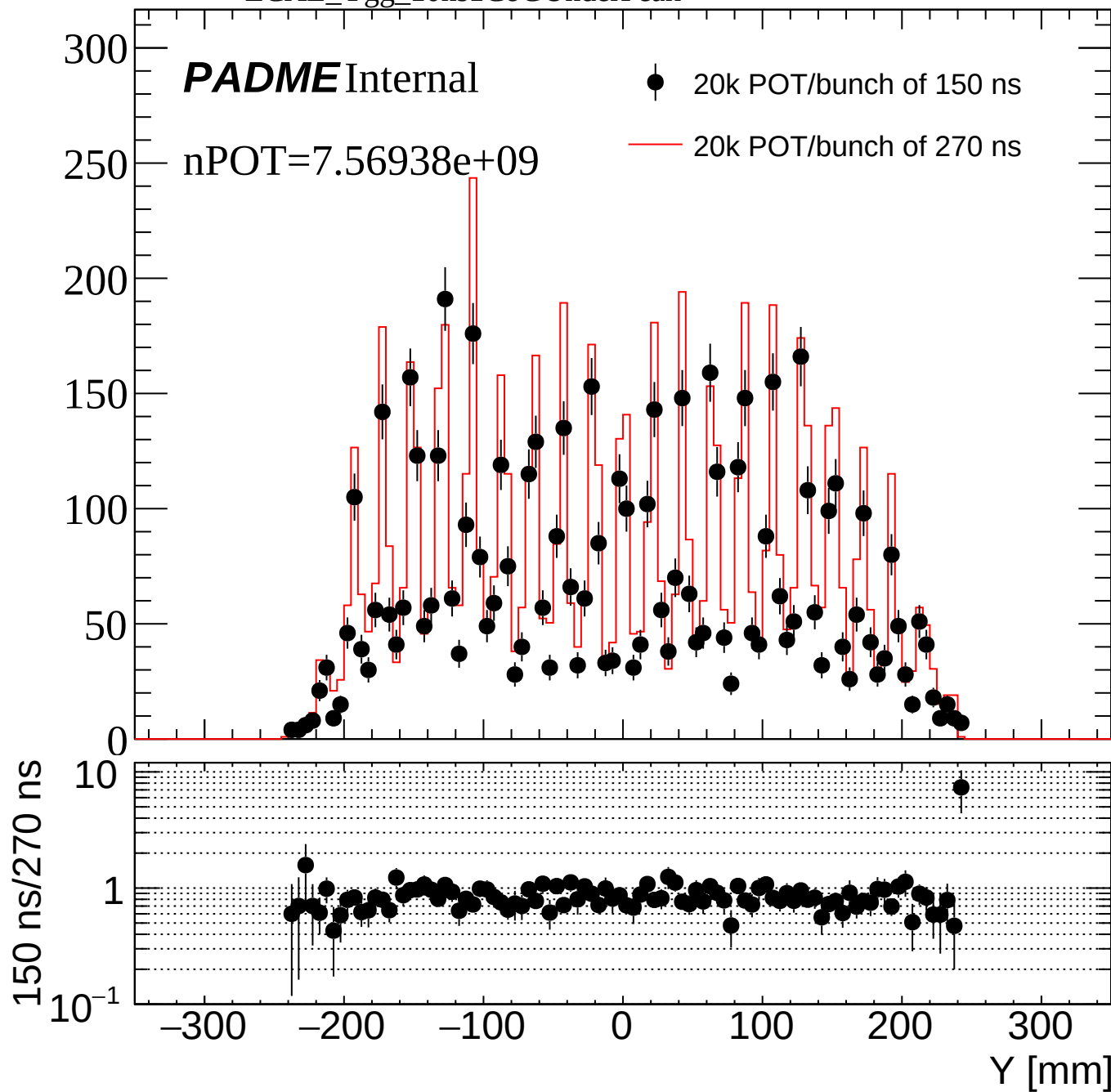


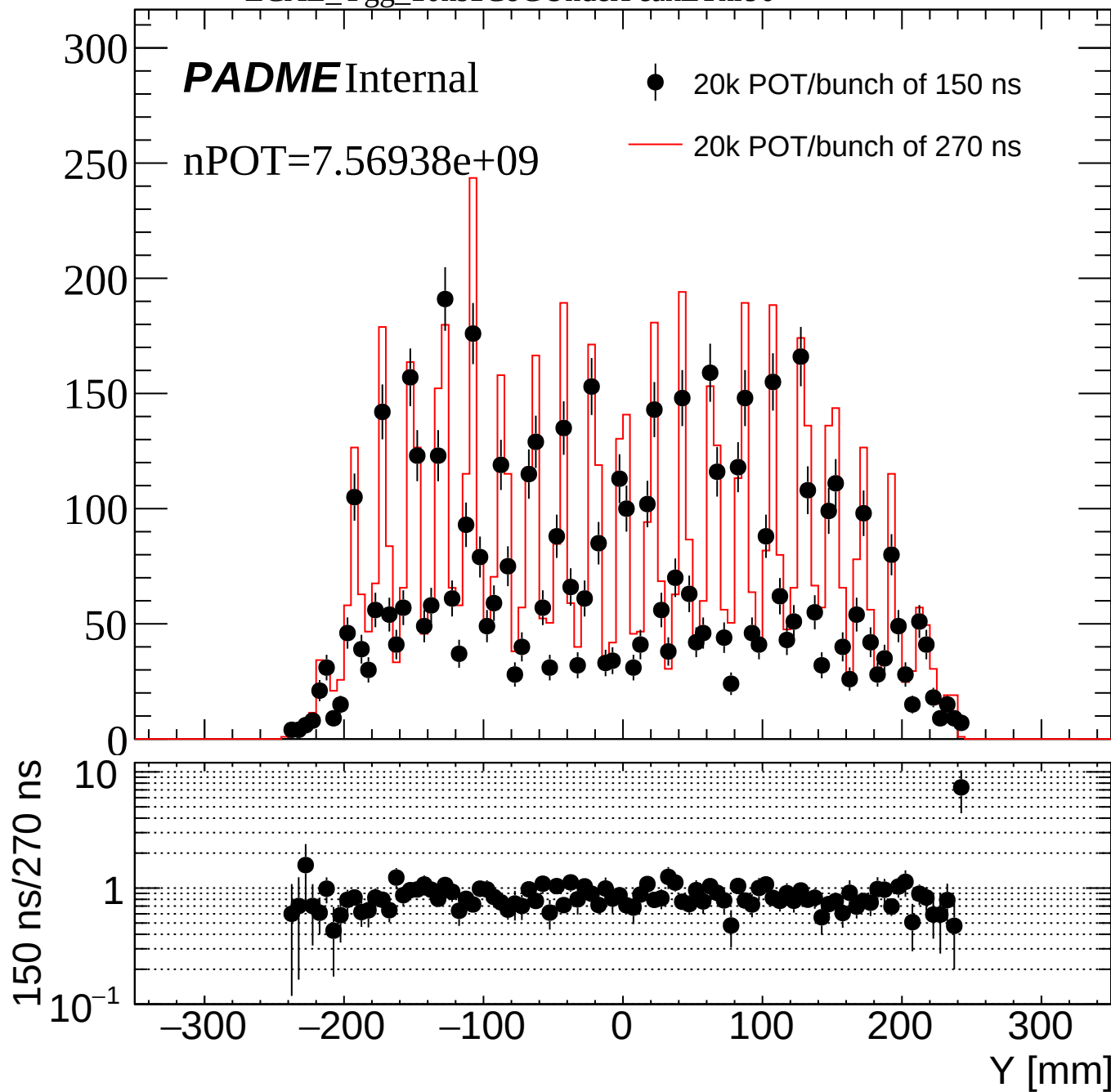


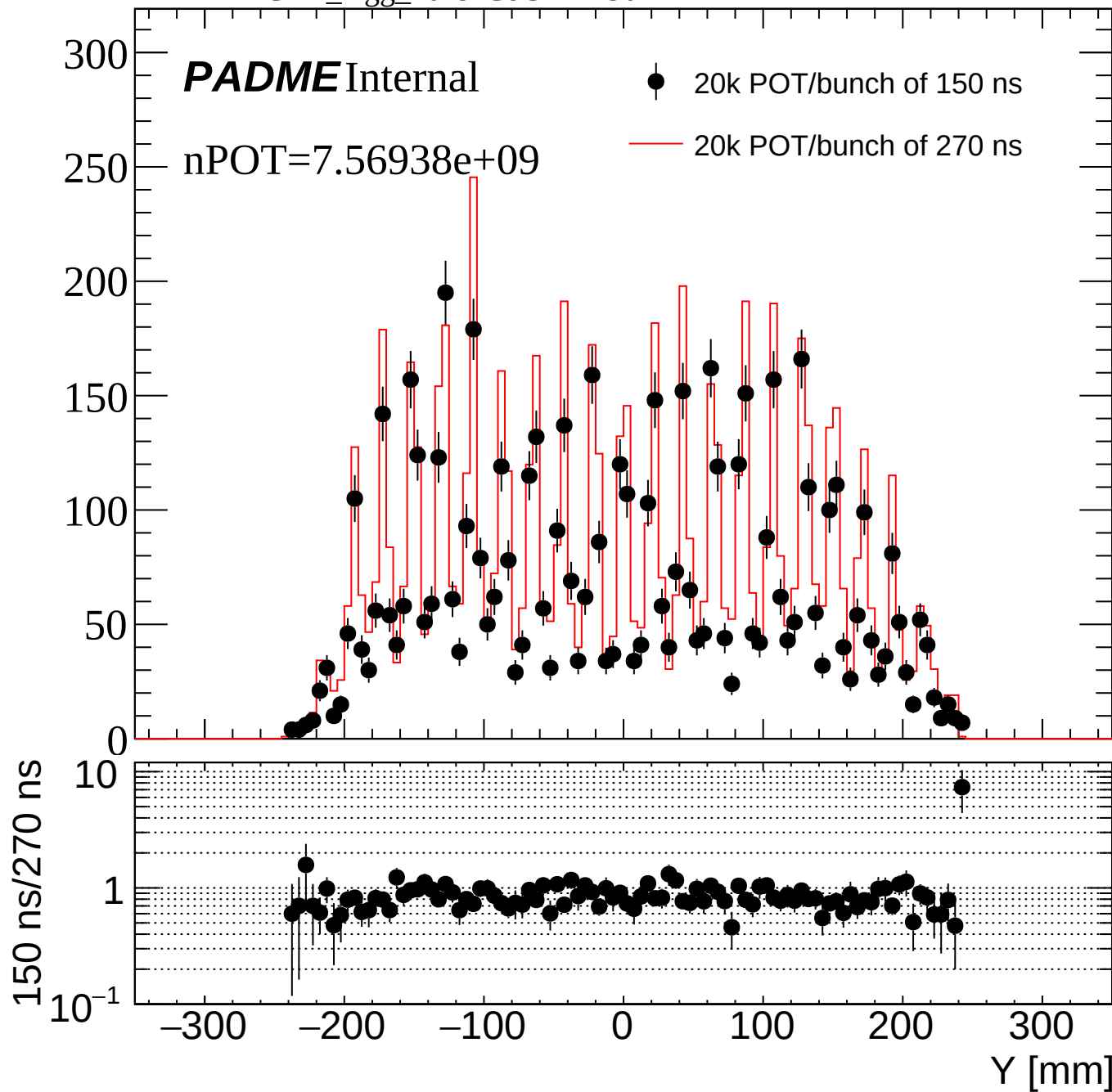


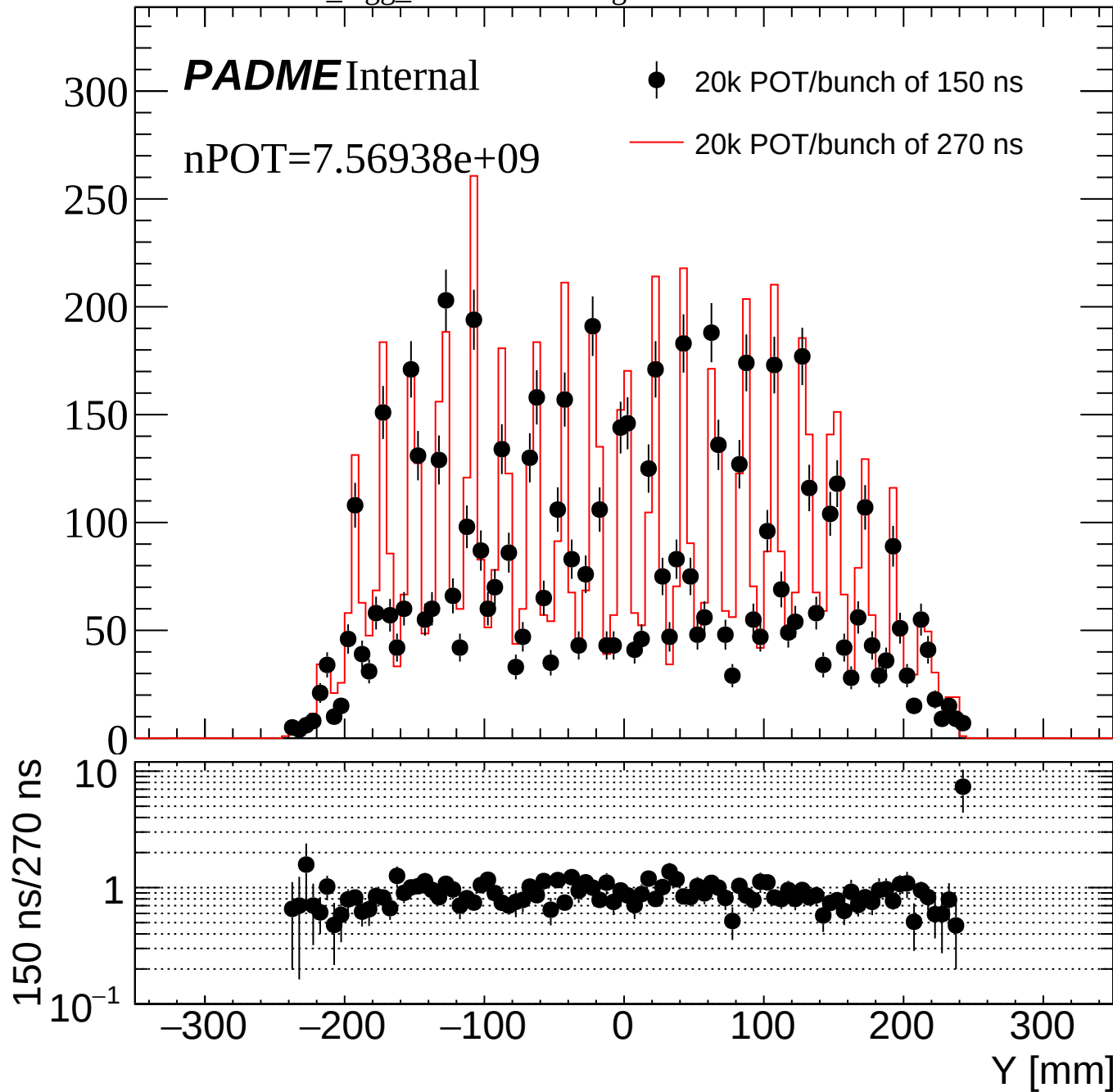


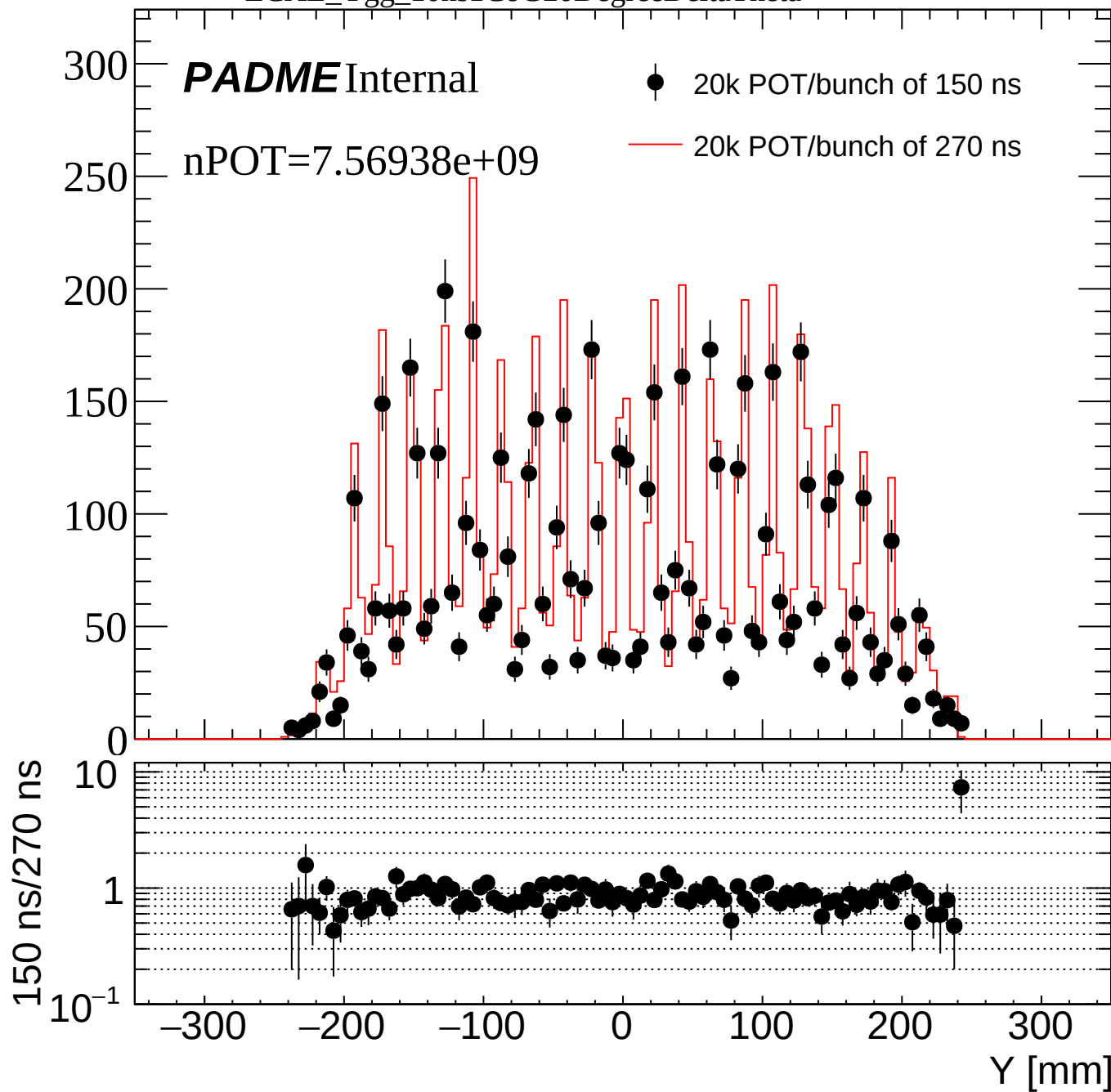


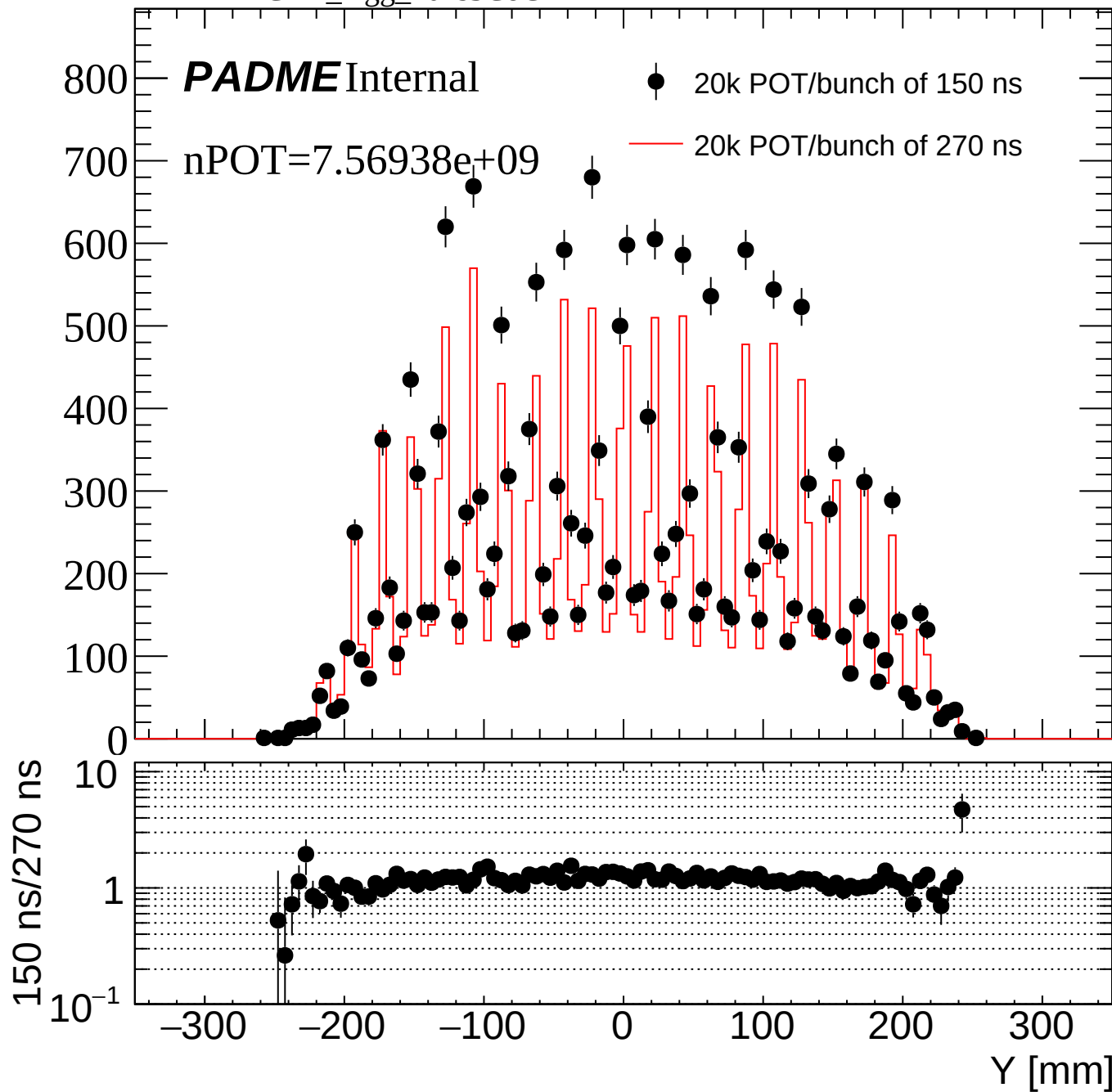


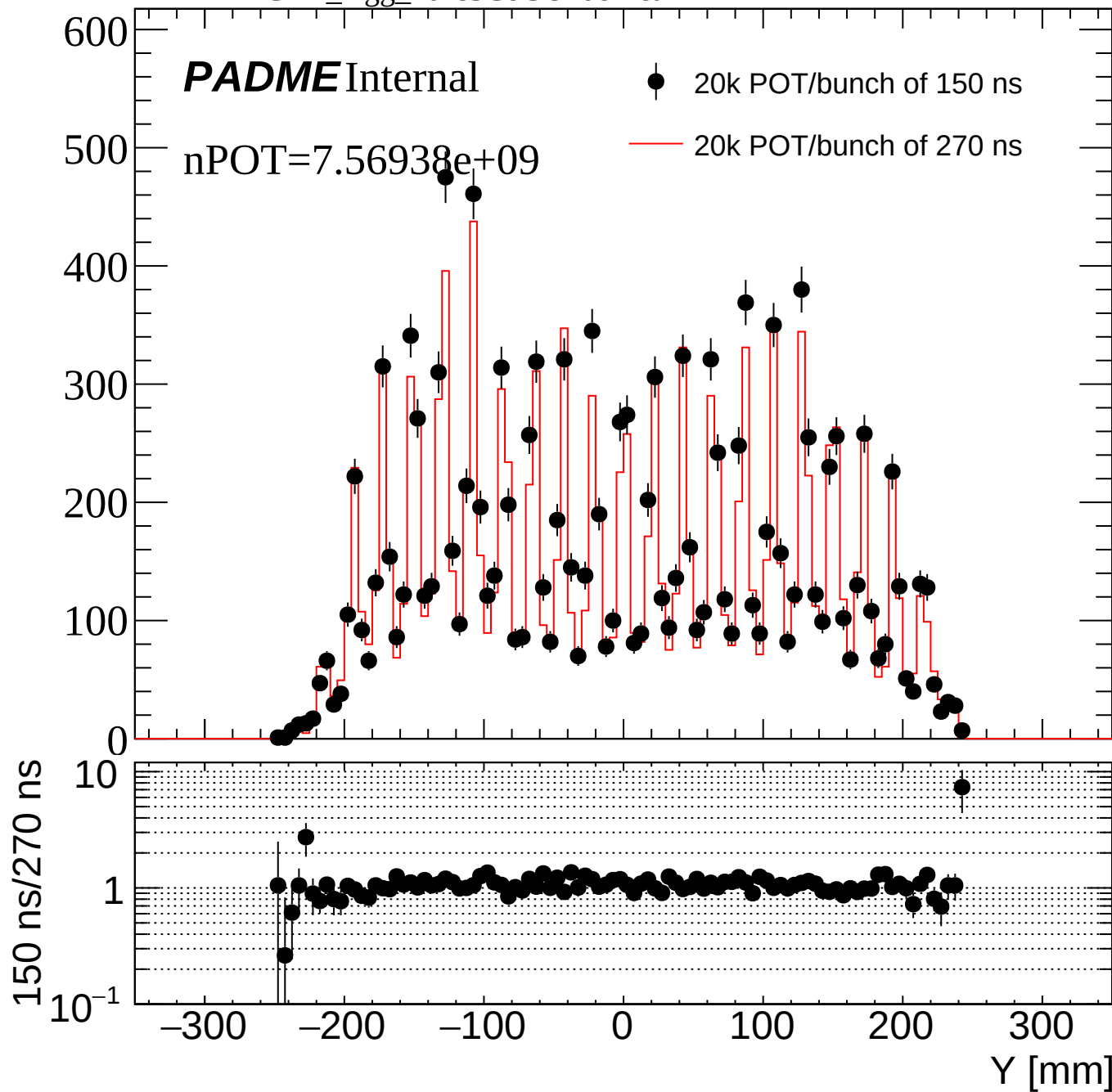


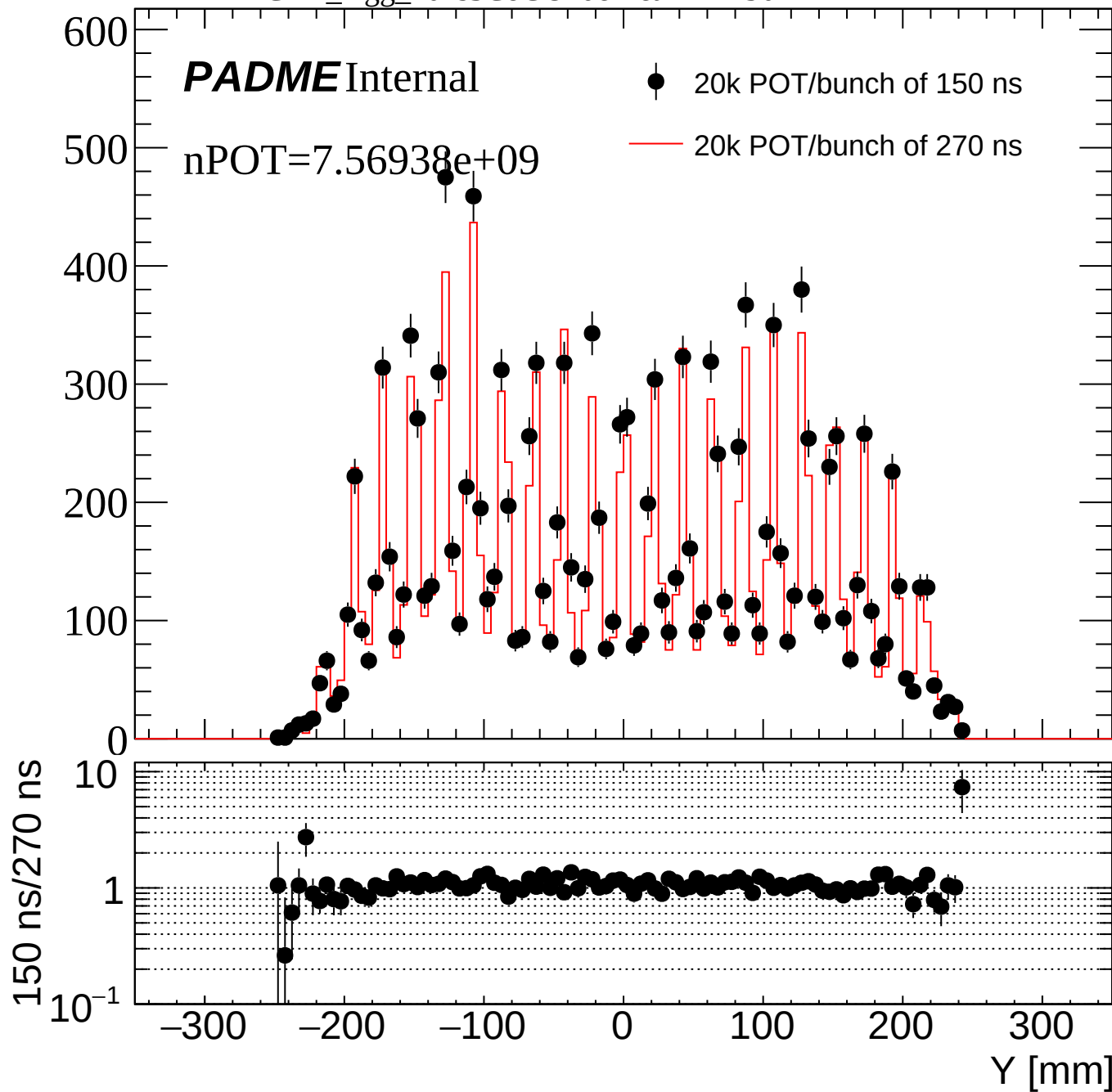


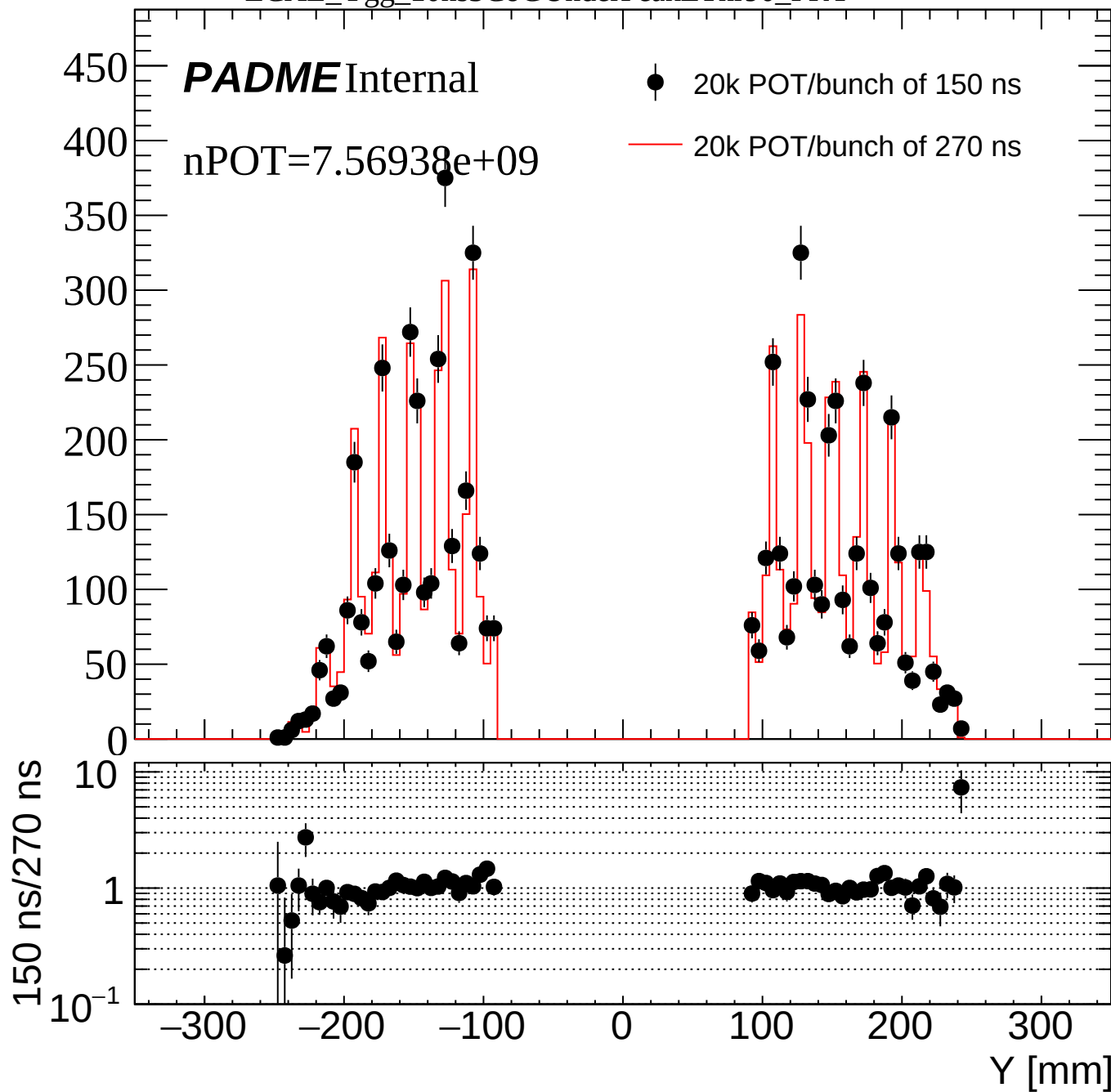


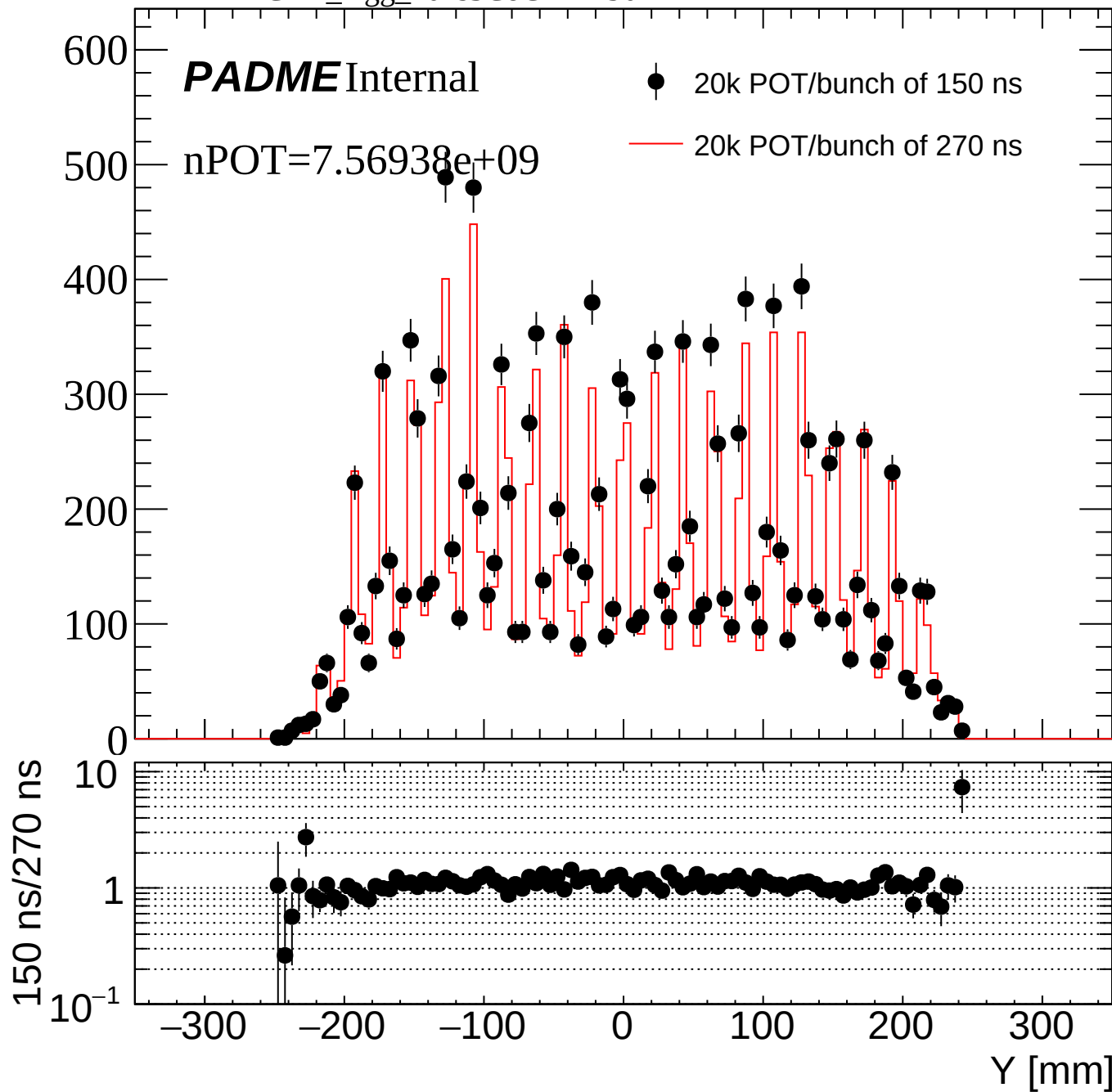












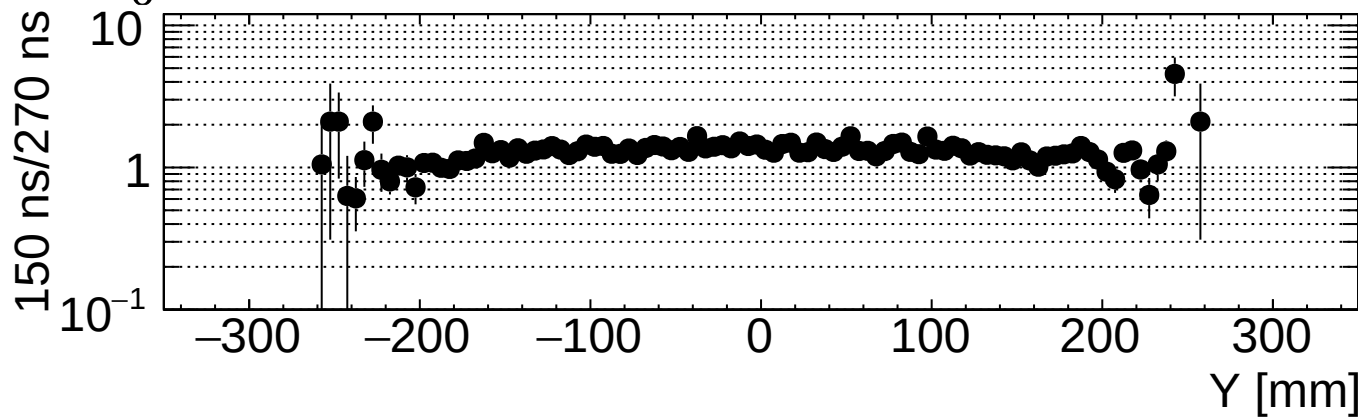
ECAL_Ygg_10ns5CoG

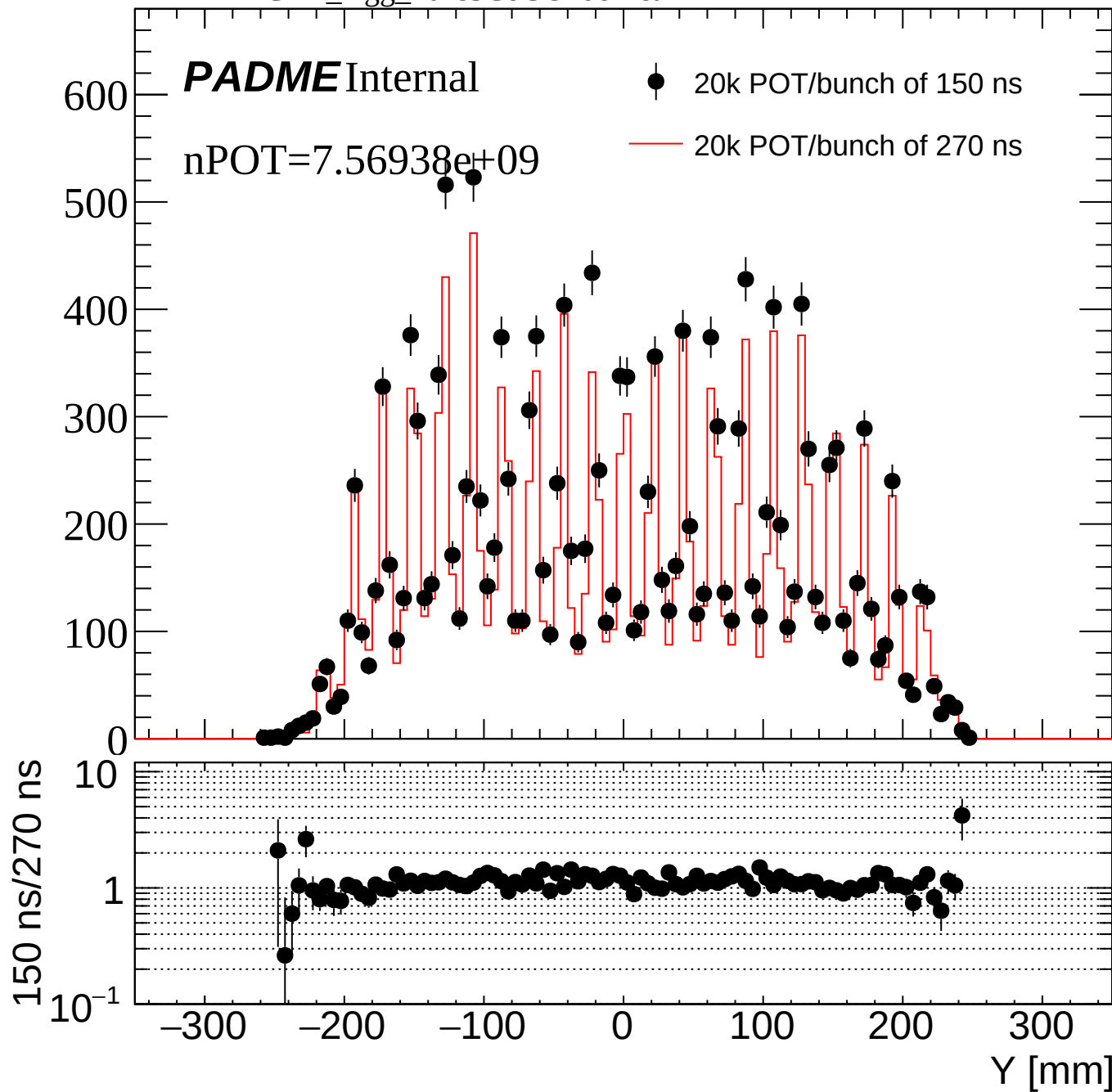
PADME Internal

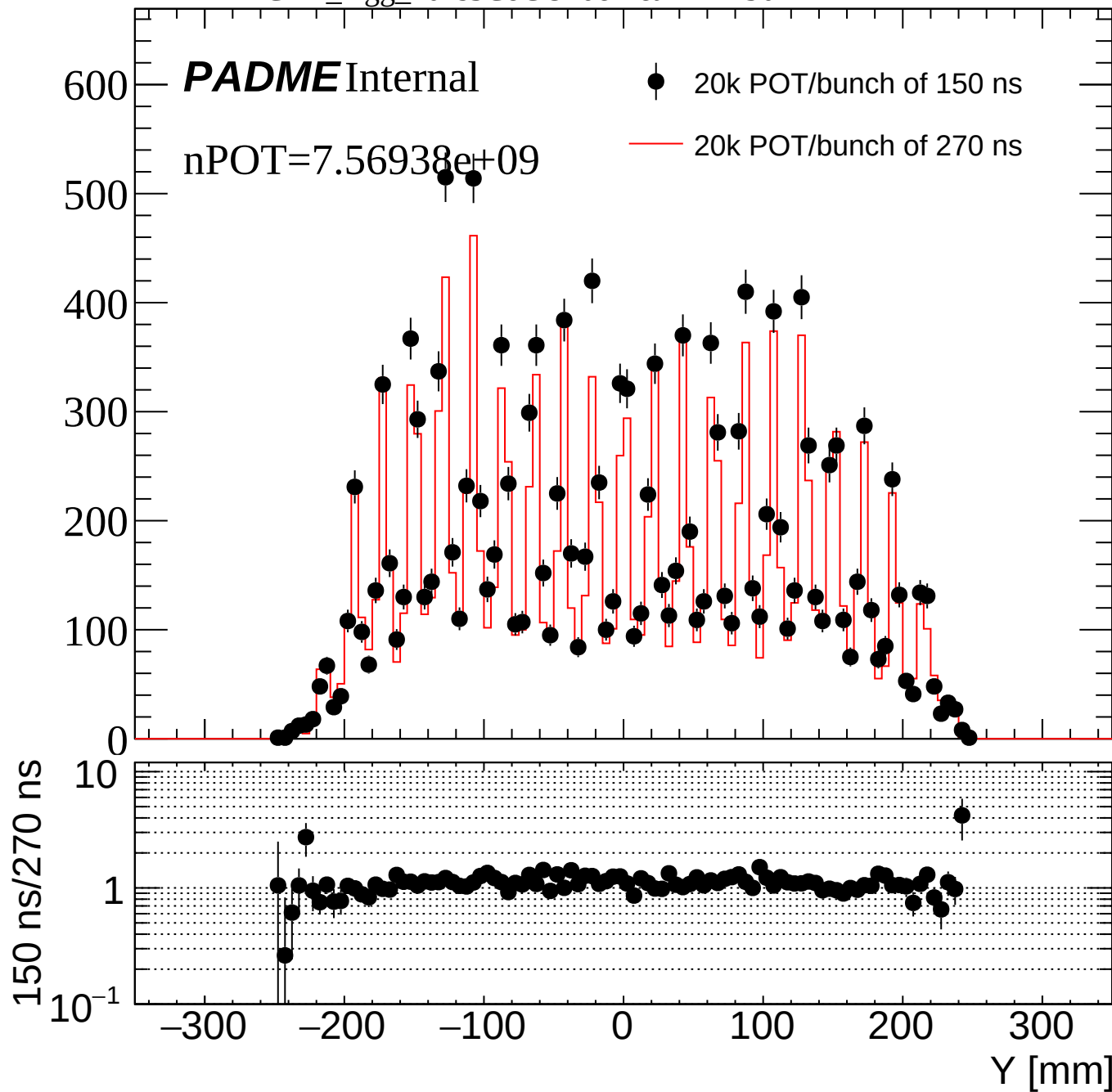
nPOT=7.56938e+09

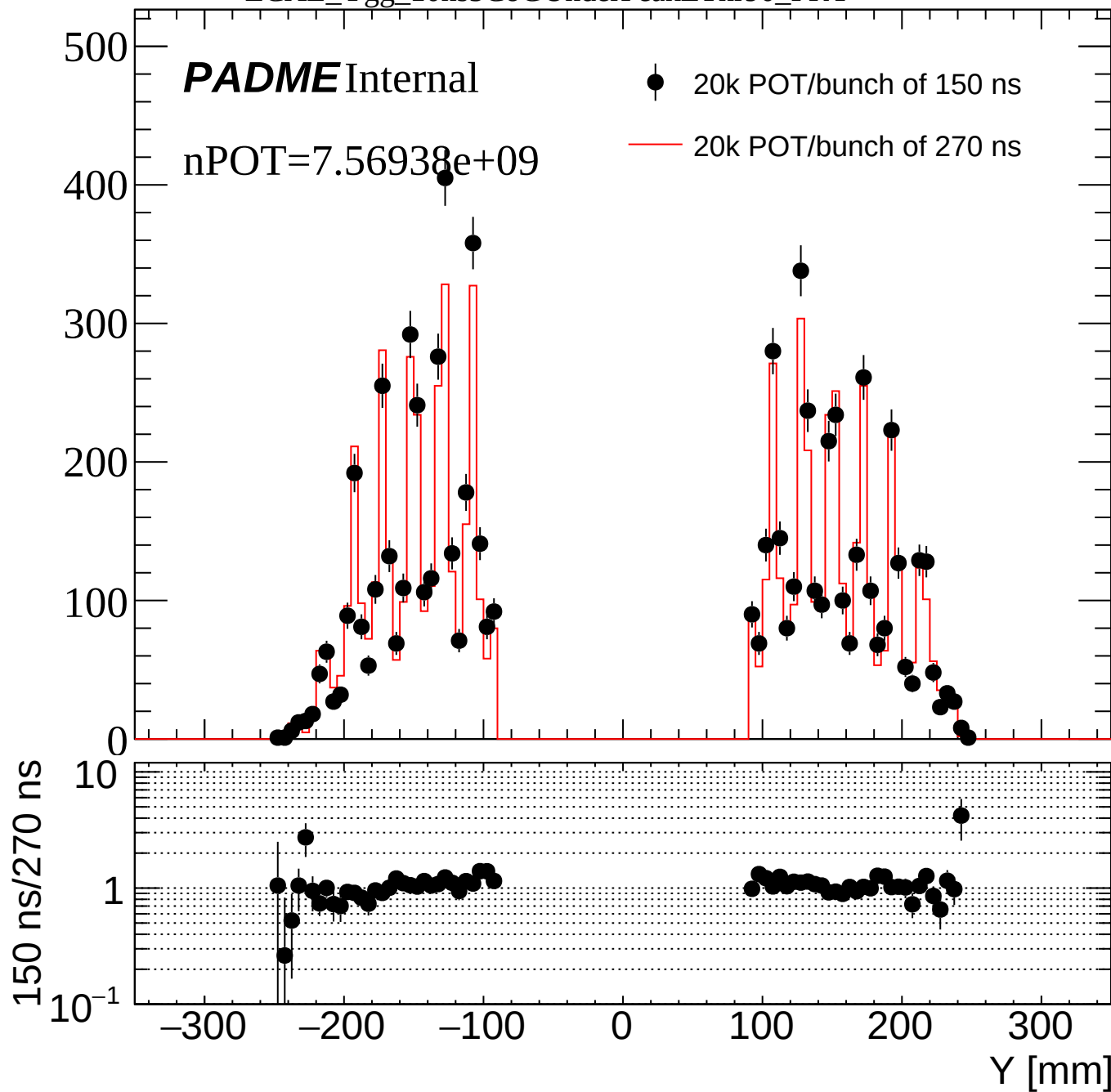
● 20k POT/bunch of 150 ns

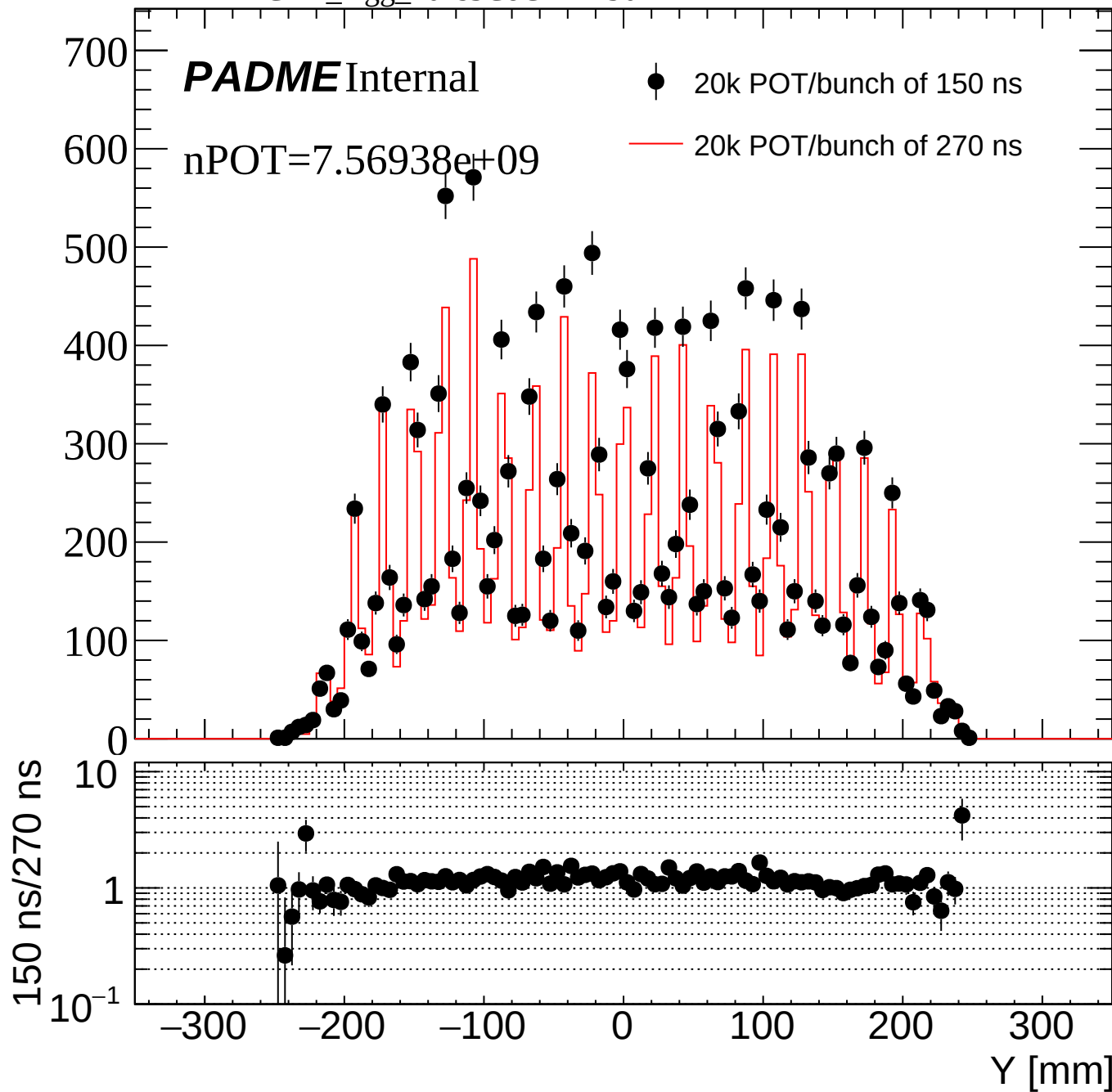
— 20k POT/bunch of 270 ns

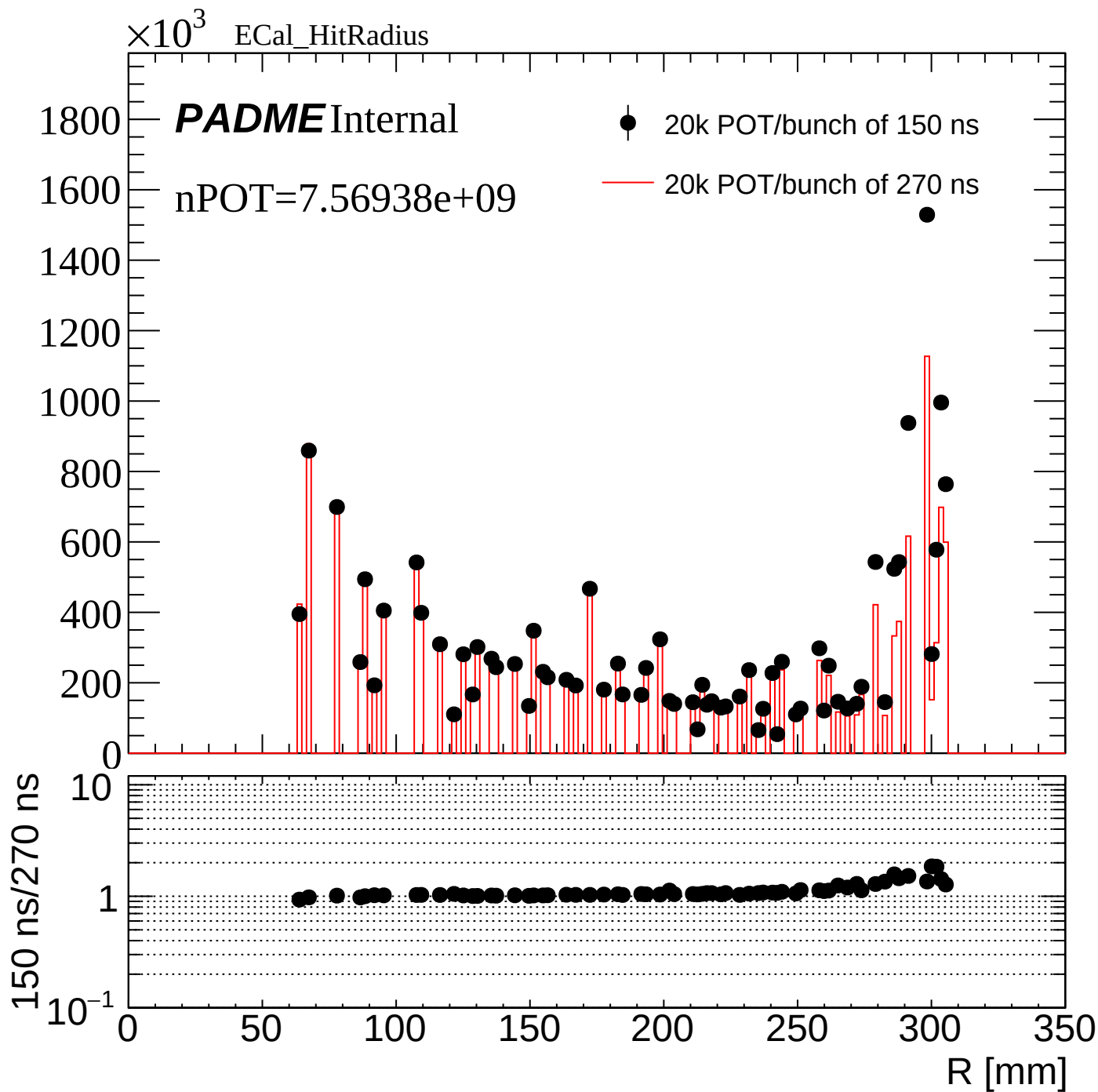












ECAL_RggAllClusters

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

50000

40000

30000

20000

10000

0

150 ns/270 ns

10

1

10⁻¹

0

50

100

150

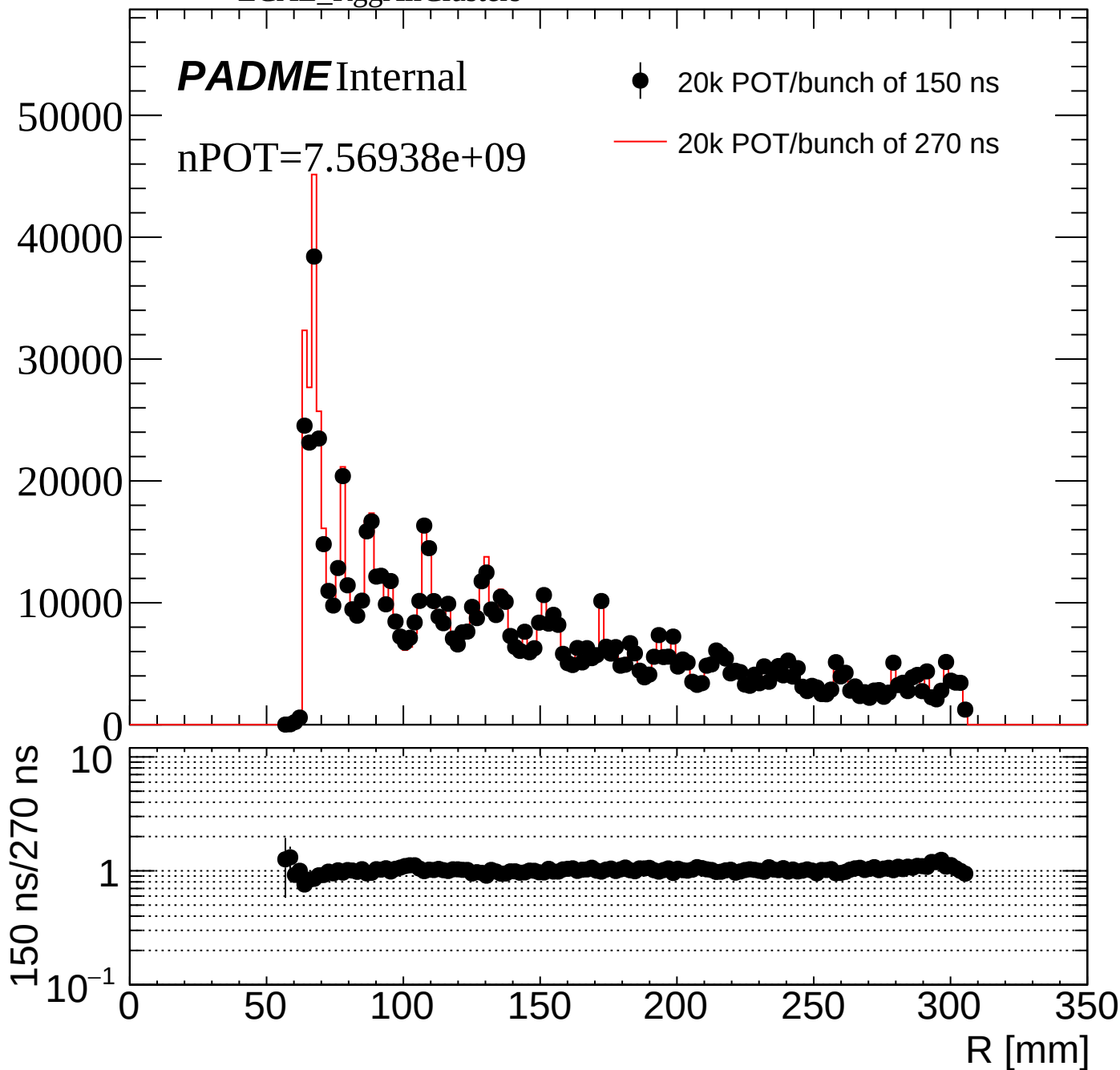
200

250

300

350

R [mm]



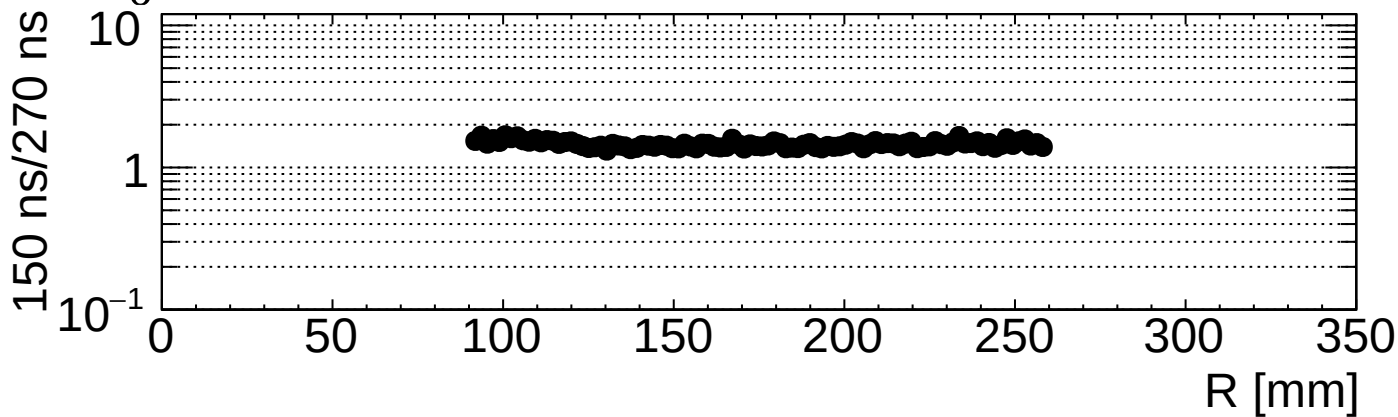
ECAL_Rgg_10ns

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_Rgg_10ns20Degree

1000

PADME Internal

nPOT=7.56938e+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

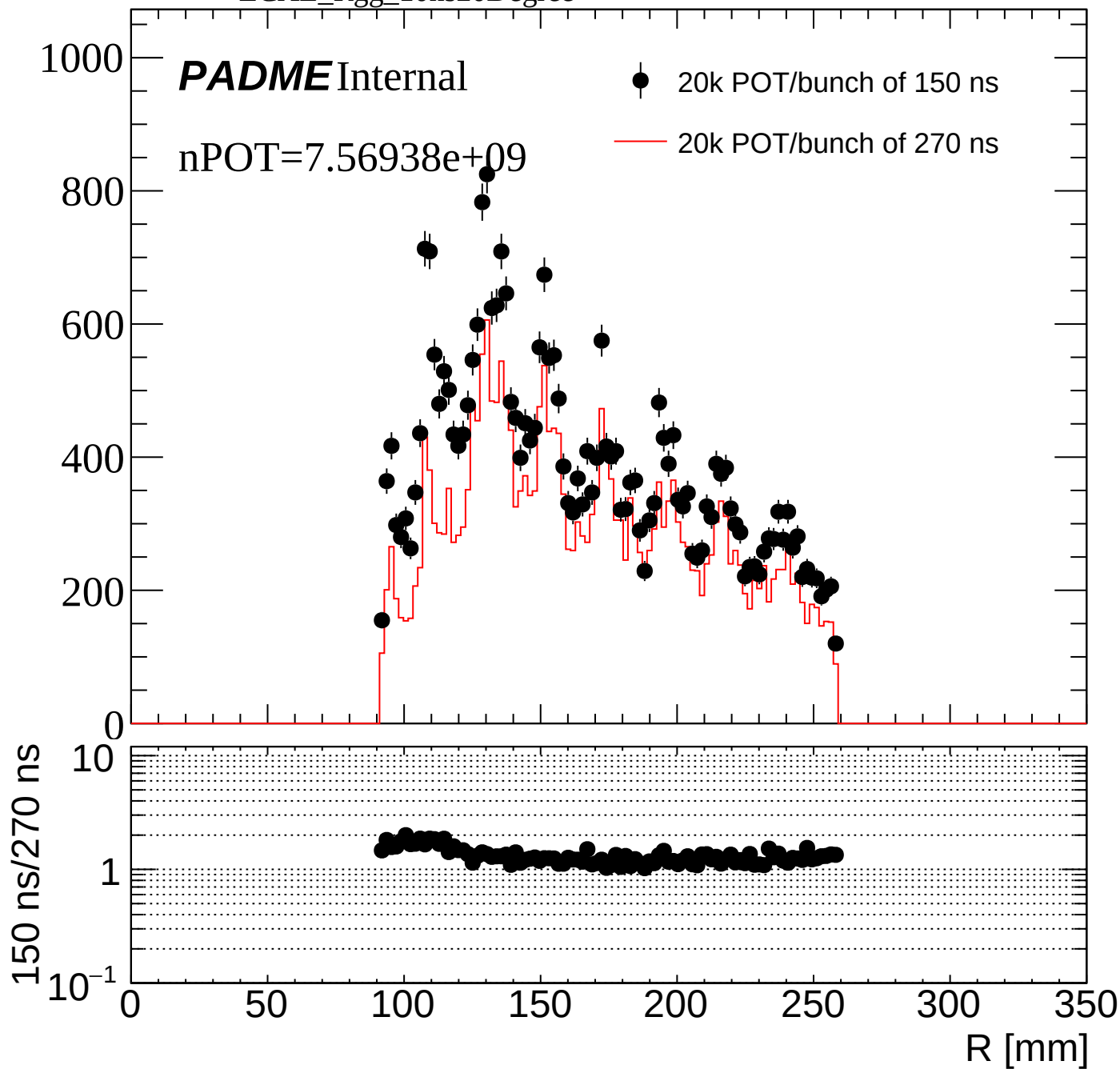
200

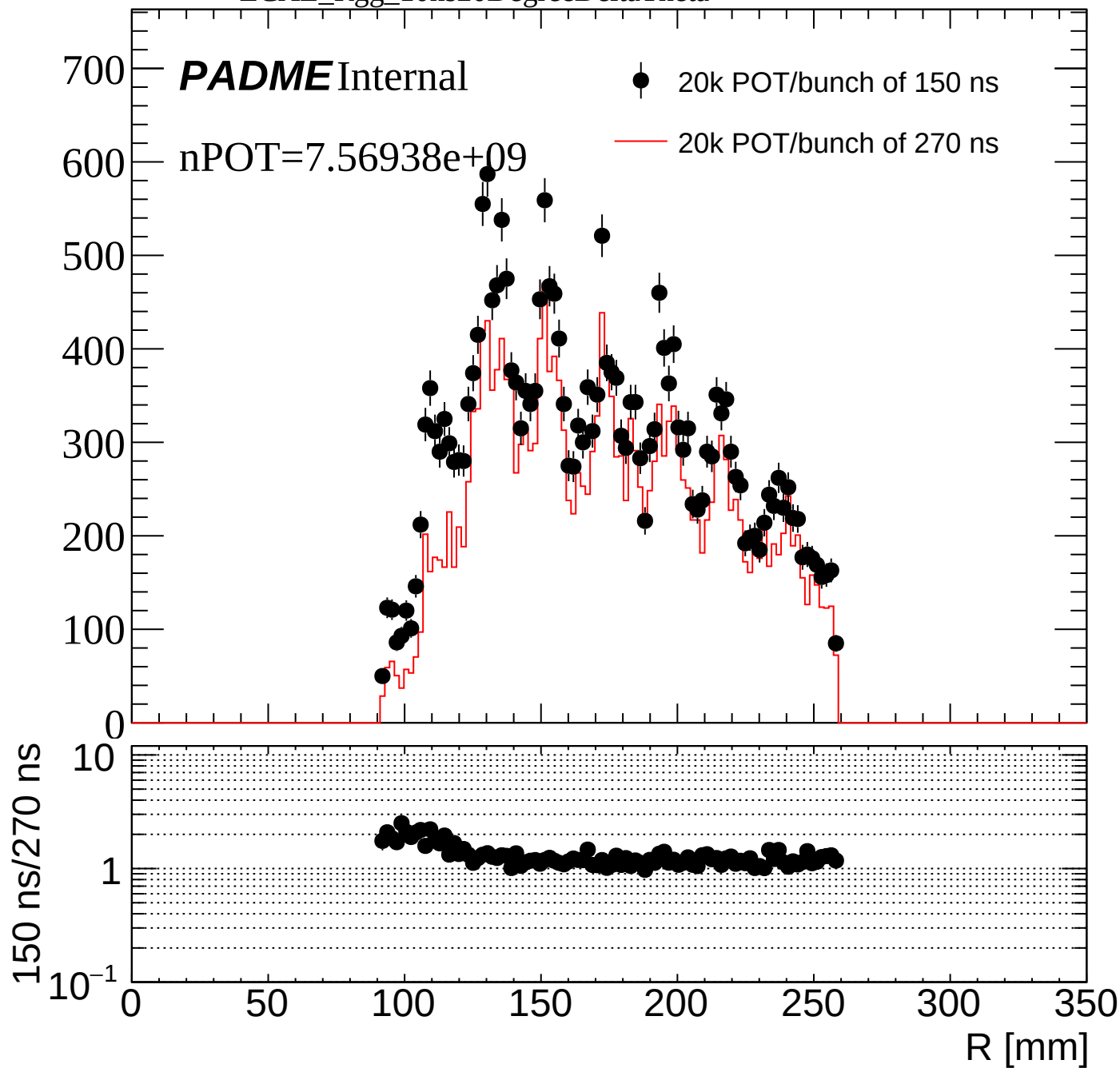
250

300

350

R [mm]





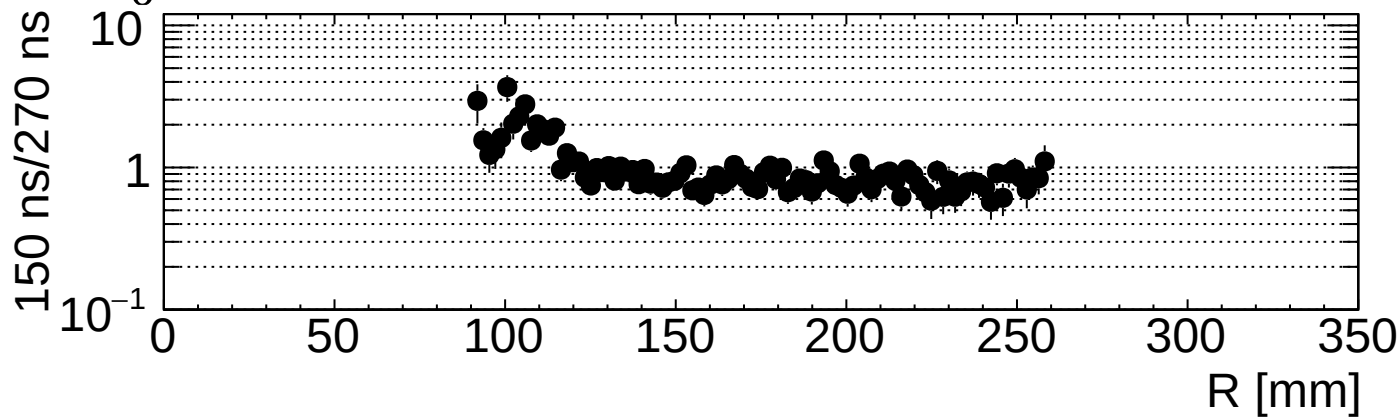
ECAL_Rgg_10ns1CoG

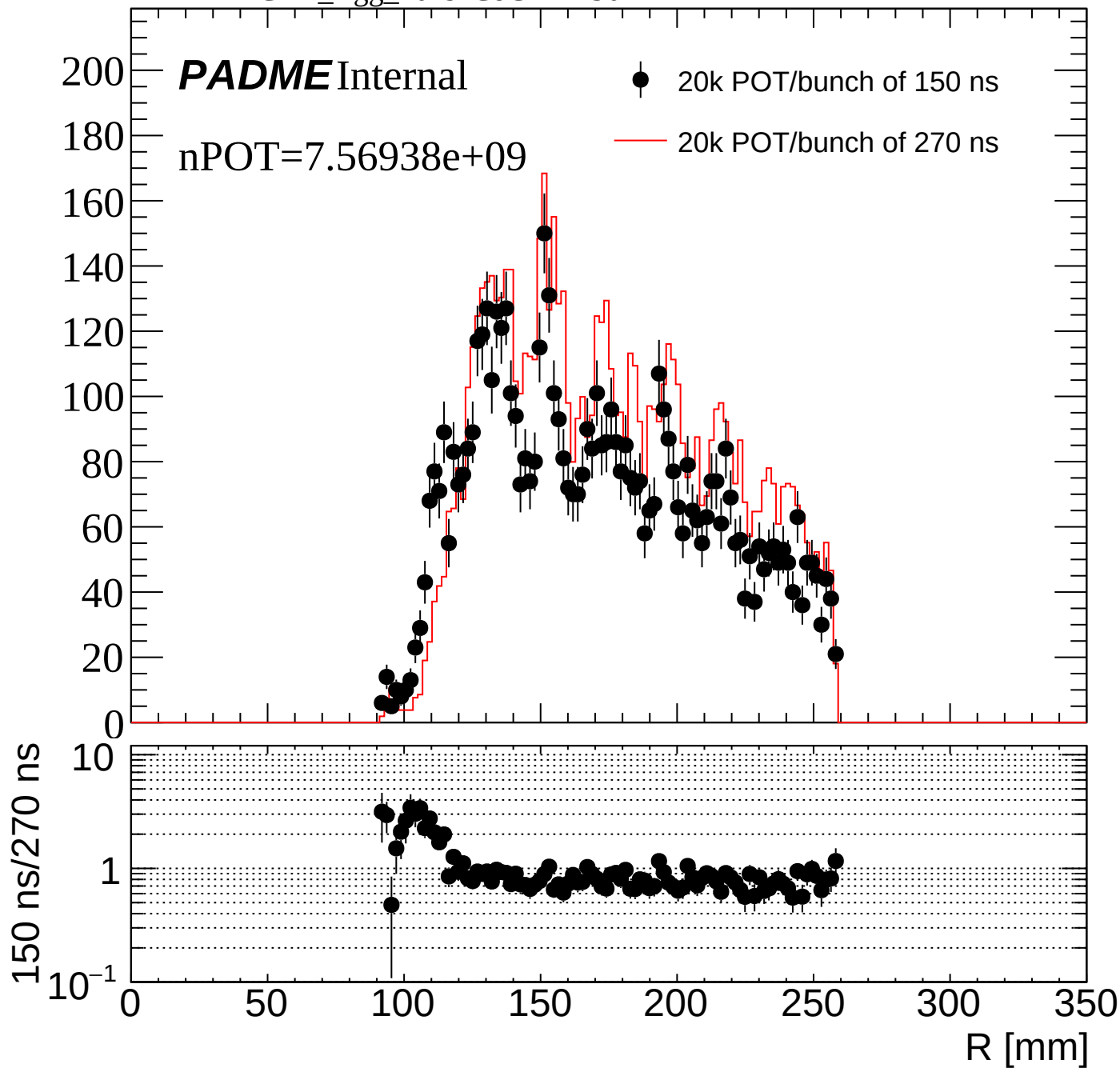
PADME Internal

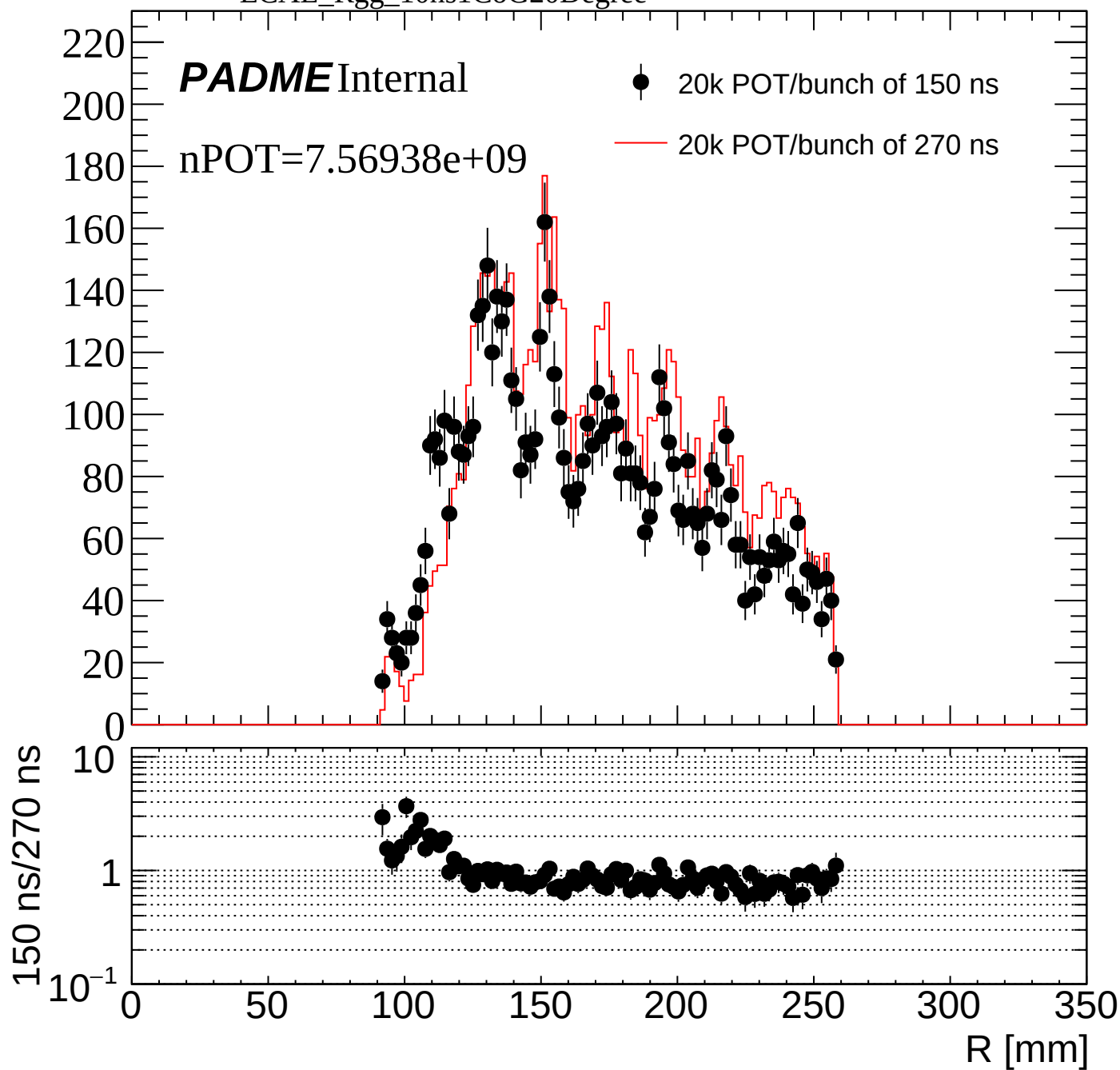
nPOT=7.56938e+09

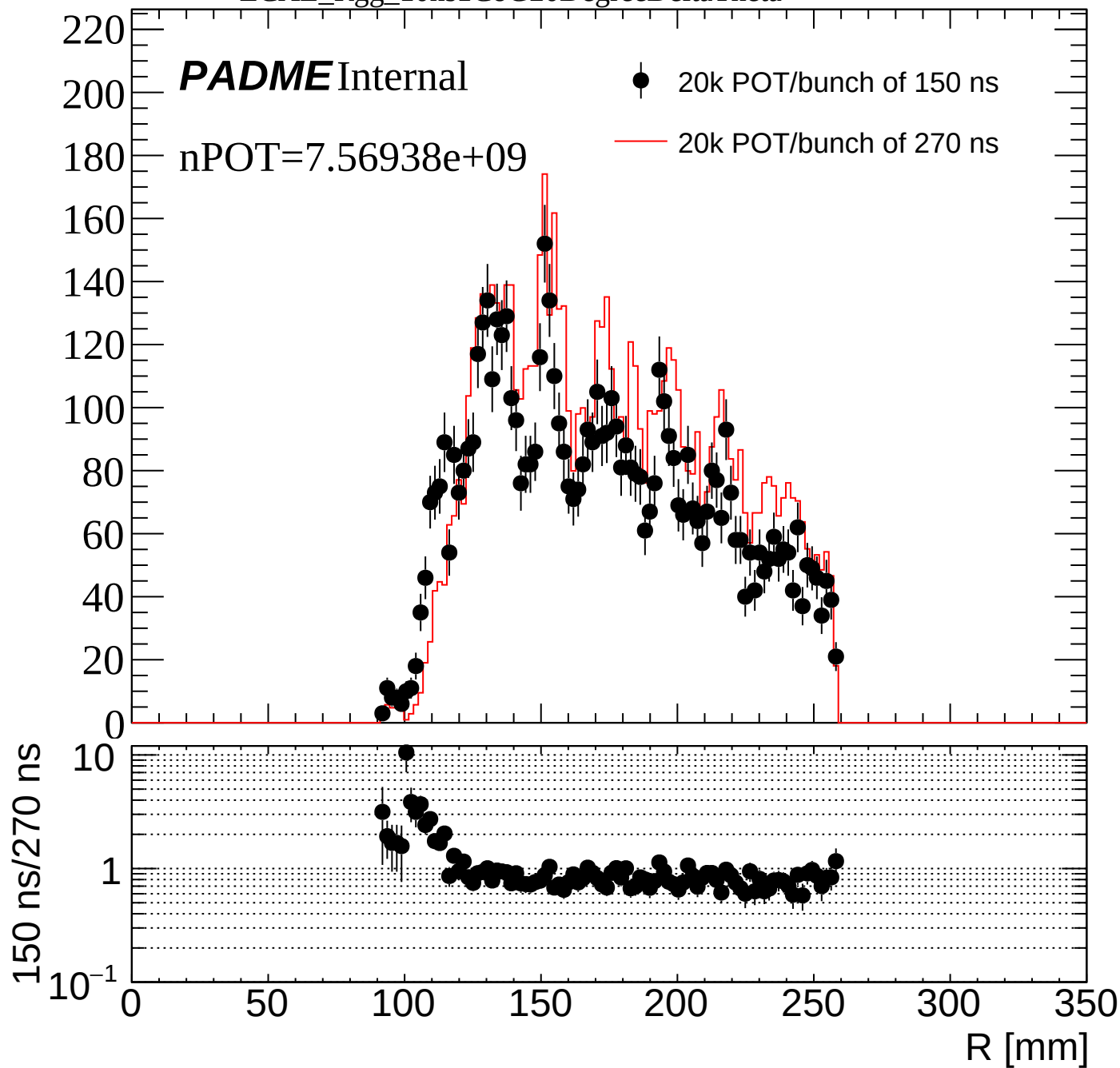
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns









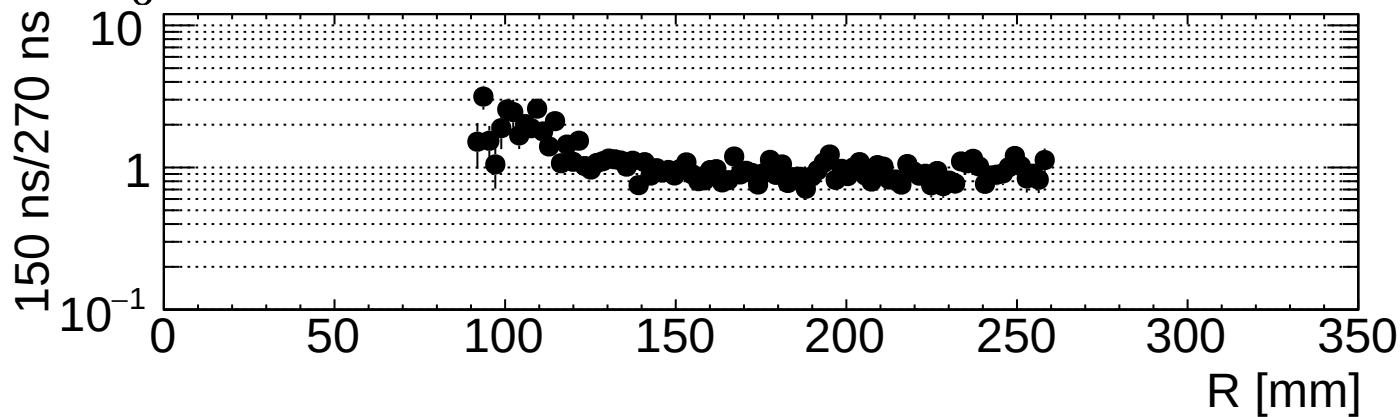
ECAL_Rgg_10ns5DegreeDeltaTheta

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



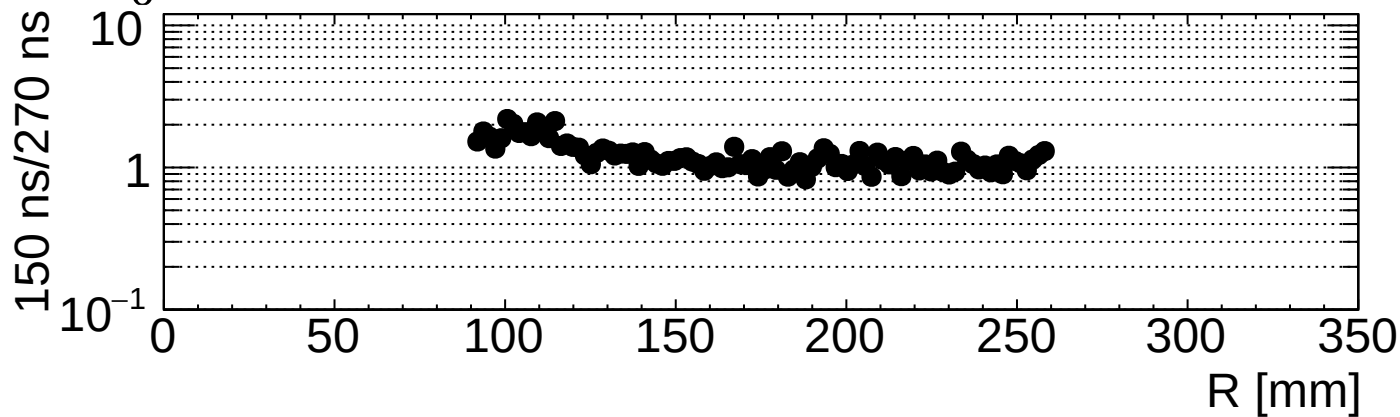
ECAL_Rgg_10ns3CoG

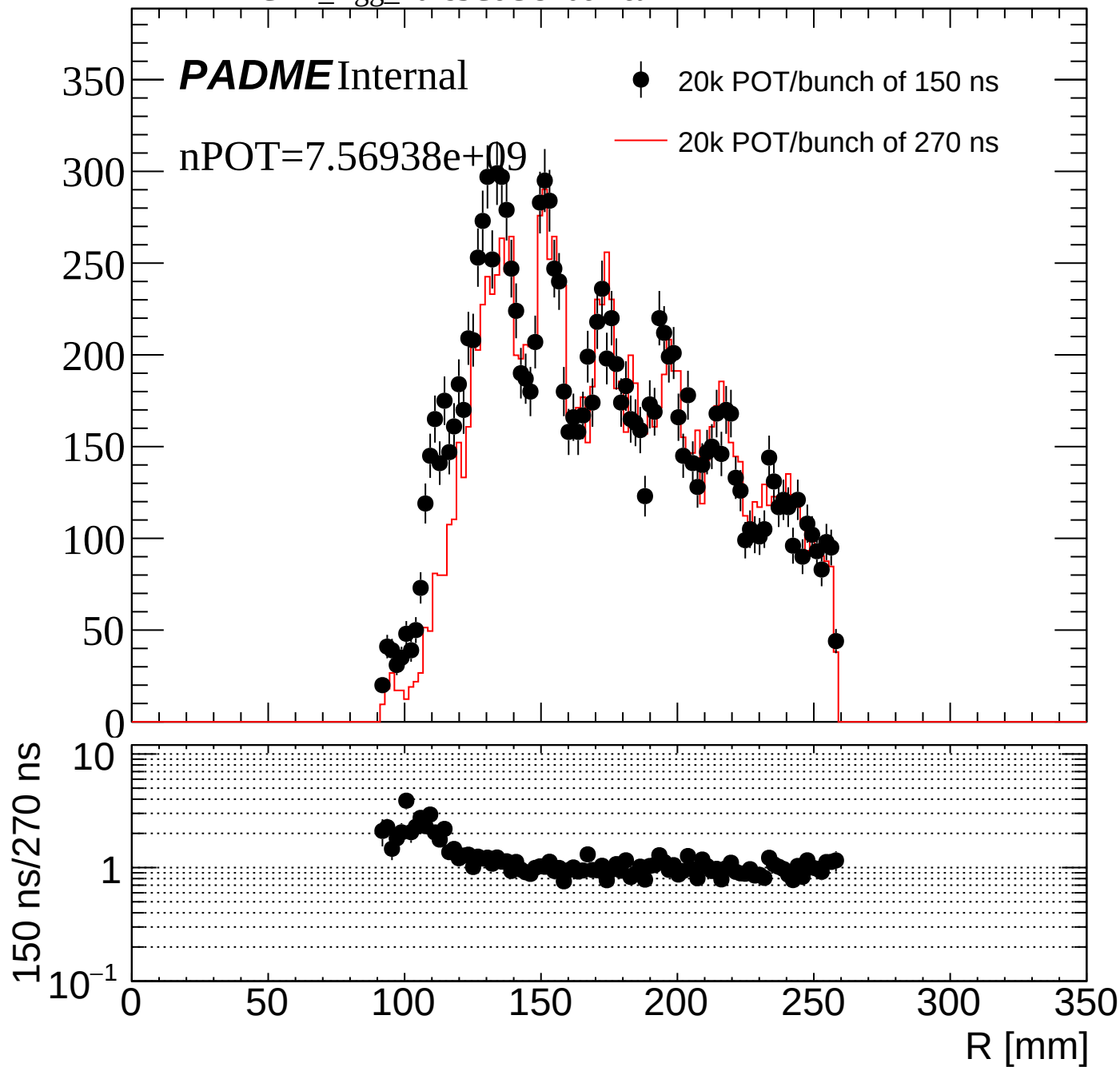
PADME Internal

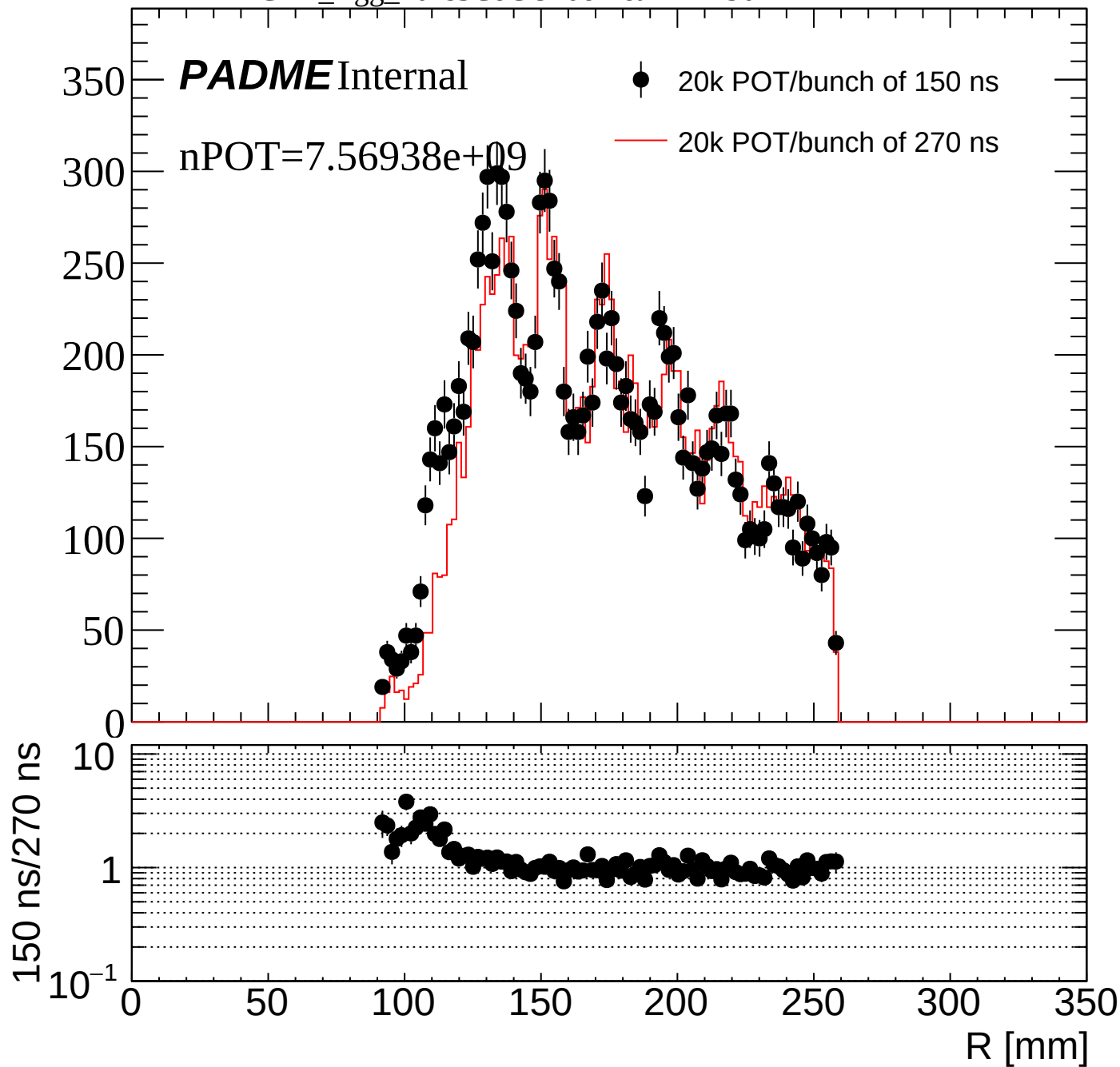
nPOT=7.56938e+09

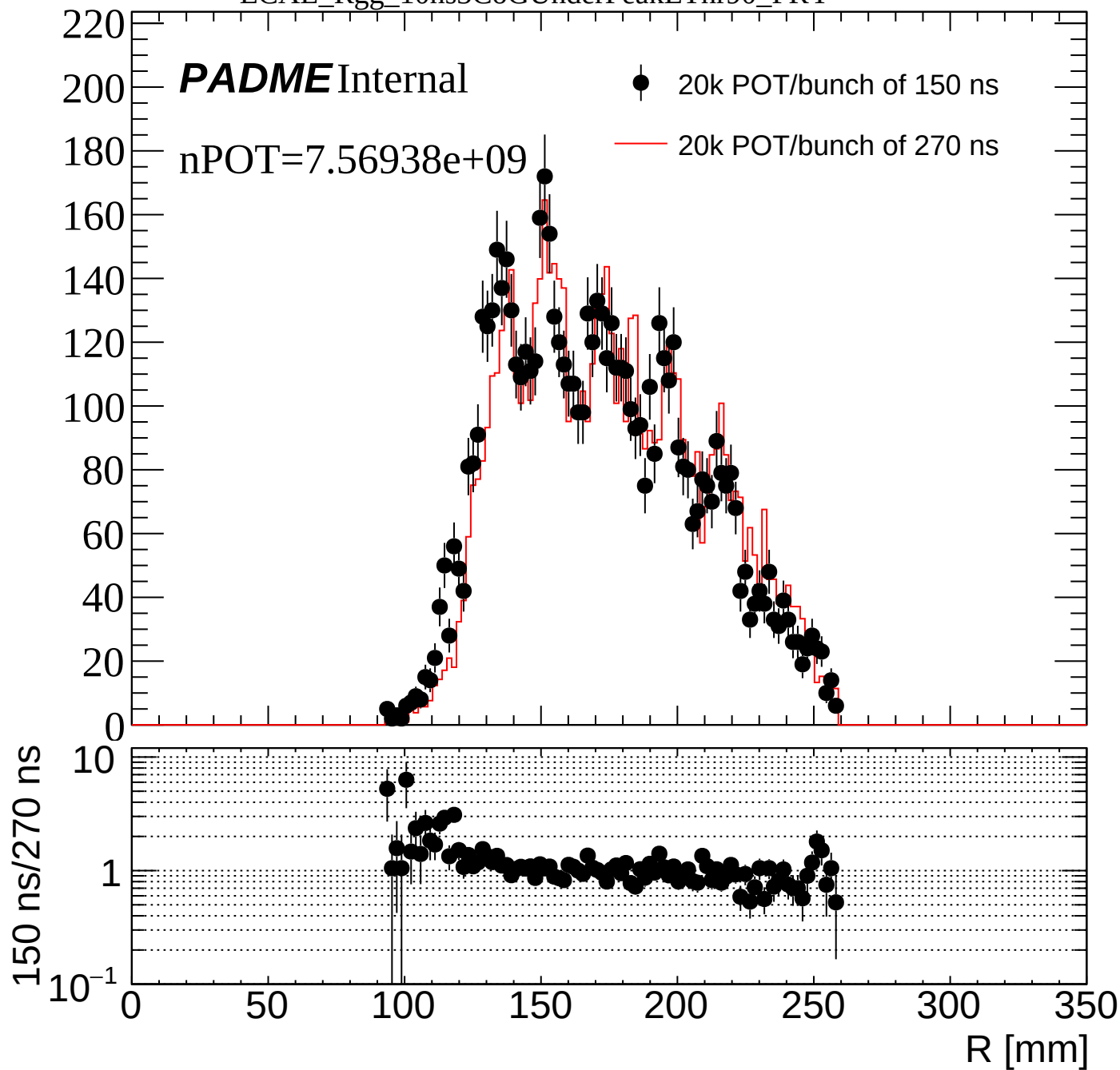
● 20k POT/bunch of 150 ns

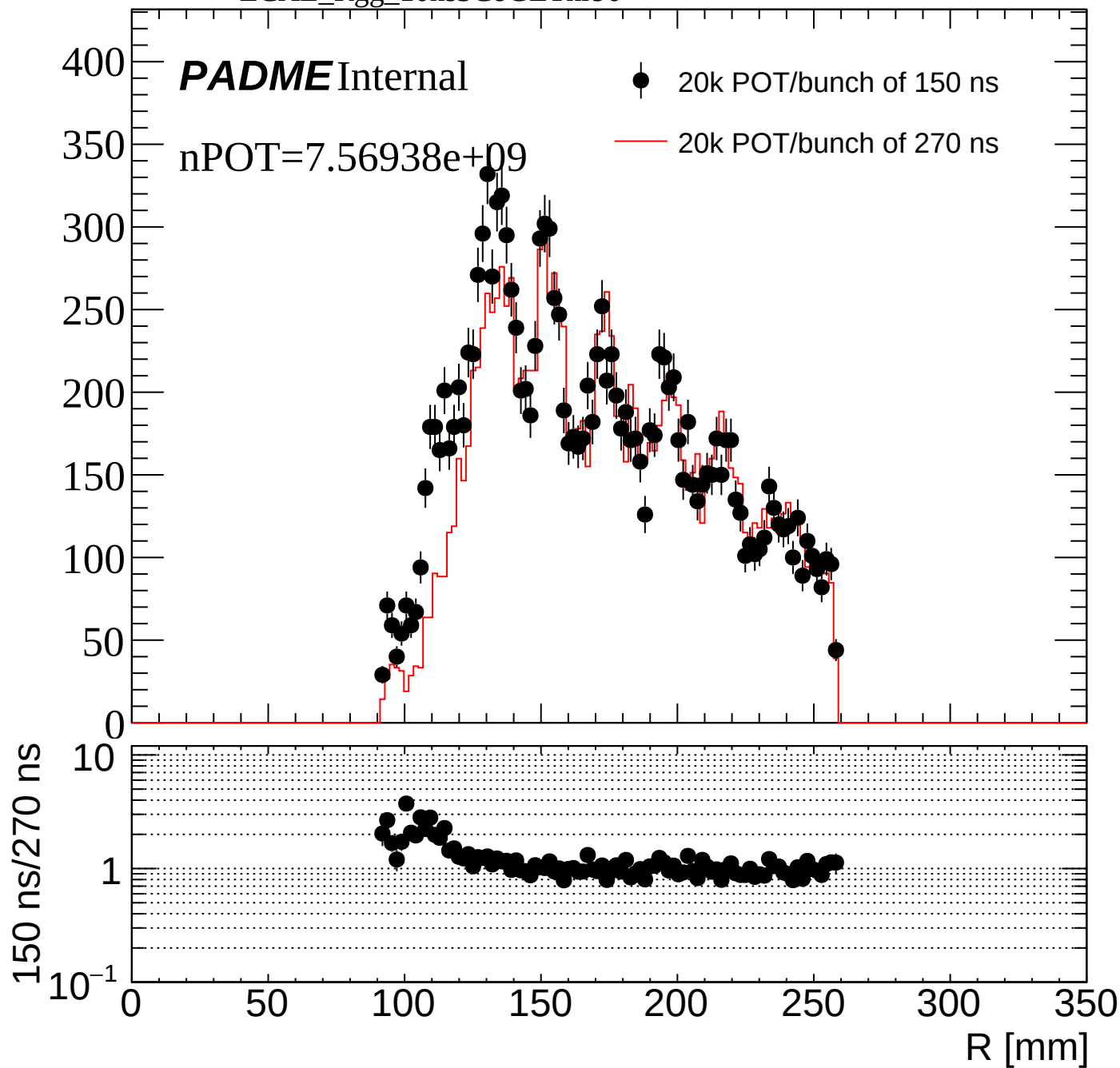
— 20k POT/bunch of 270 ns

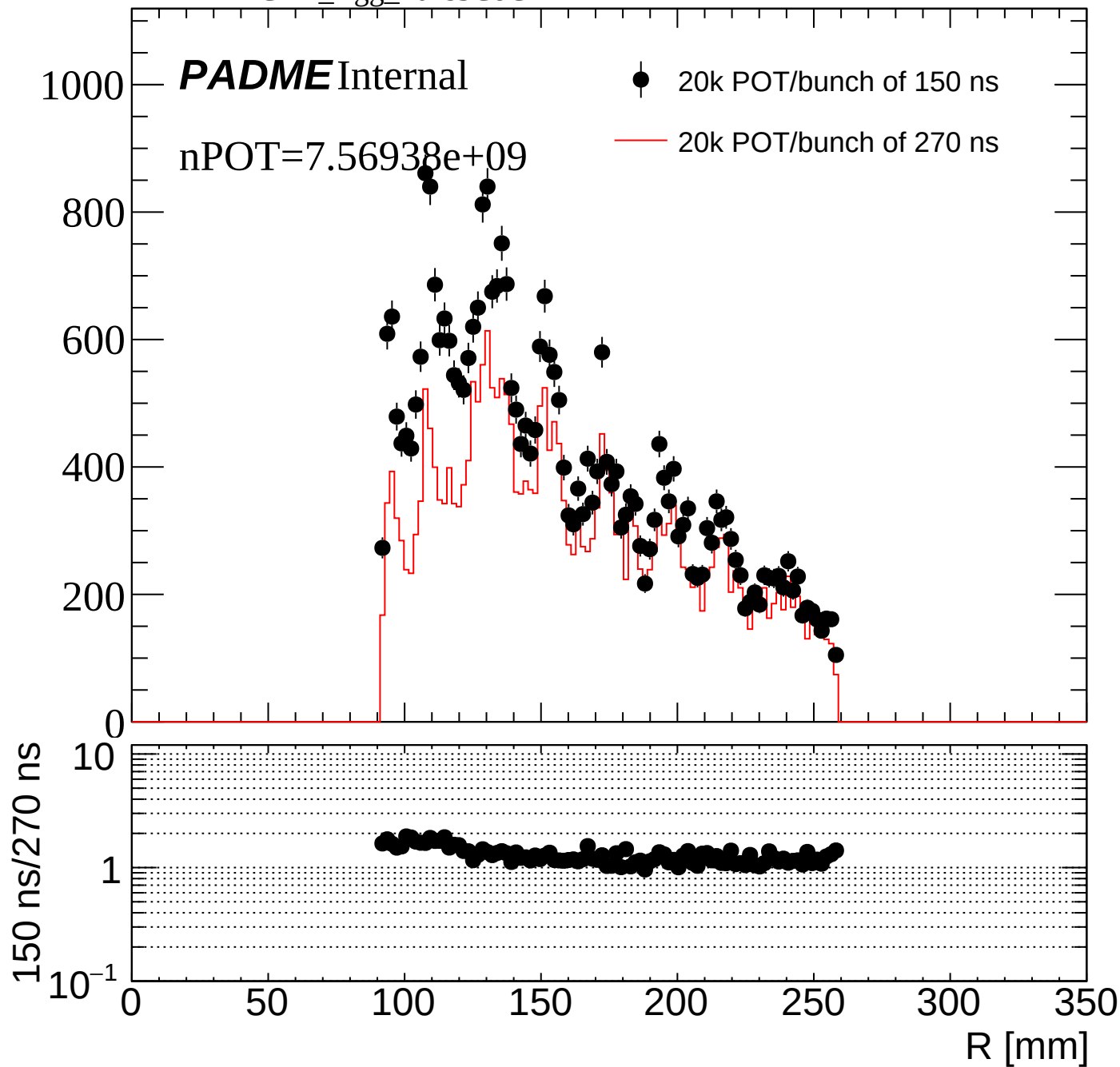


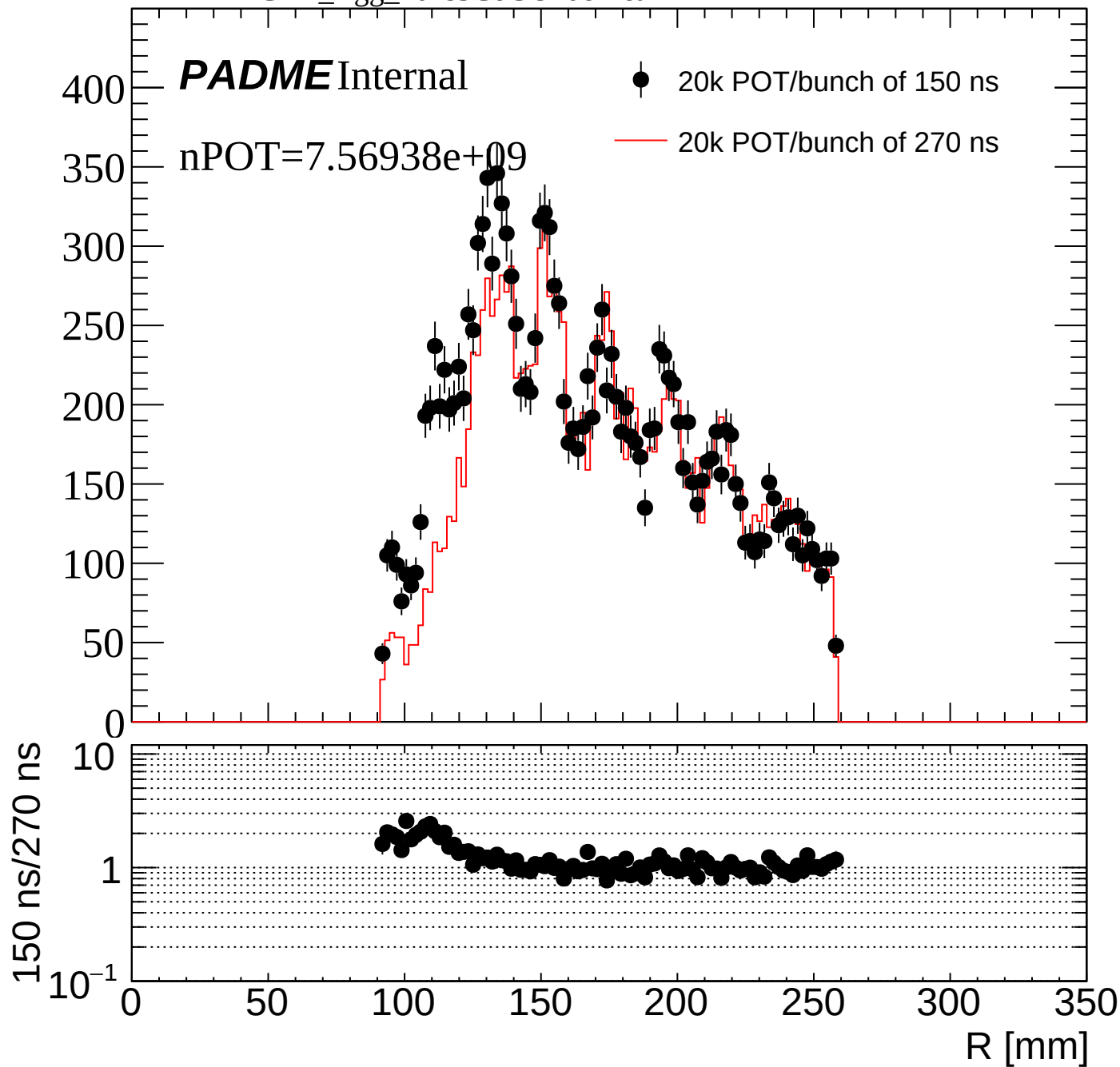


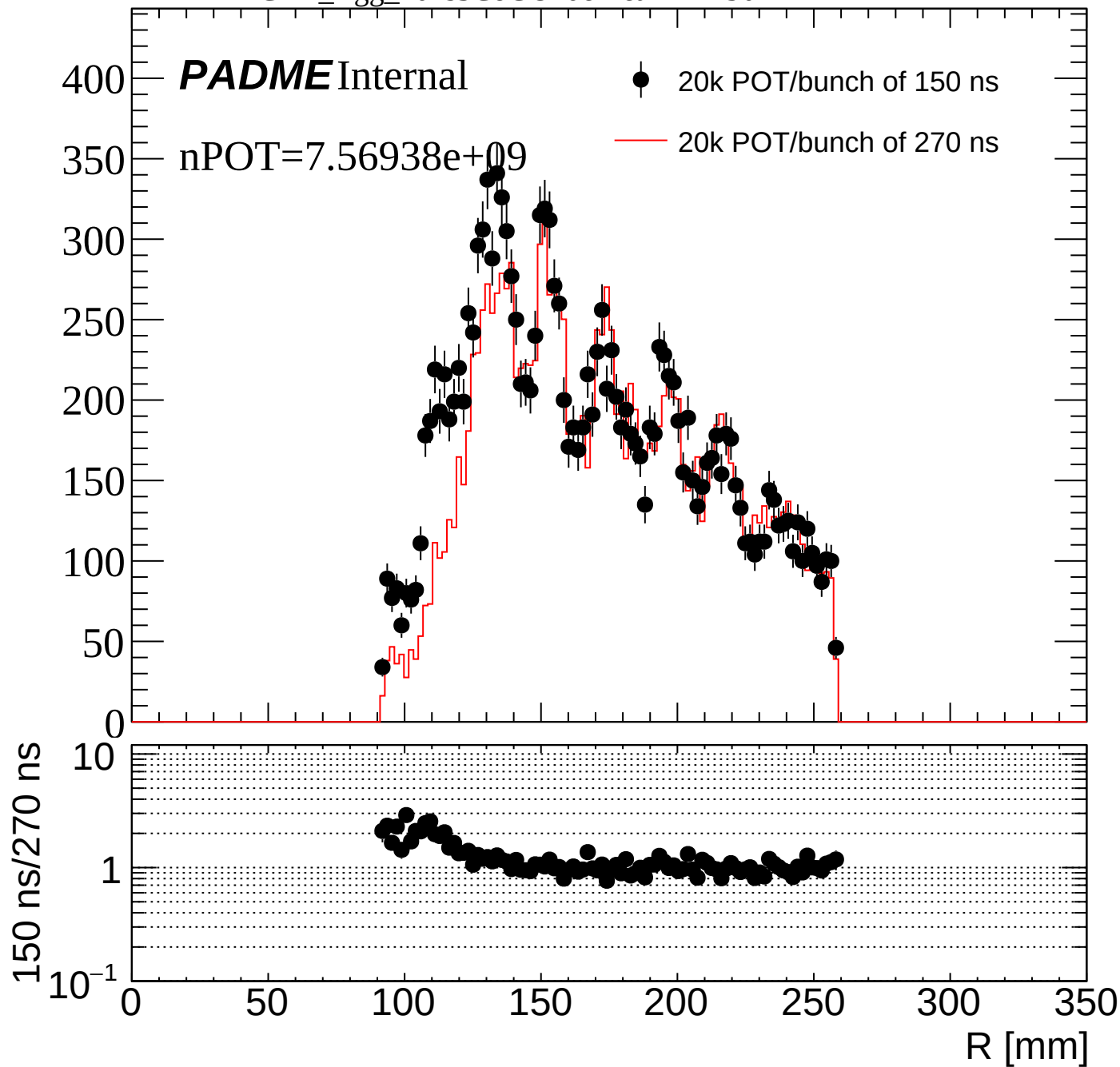


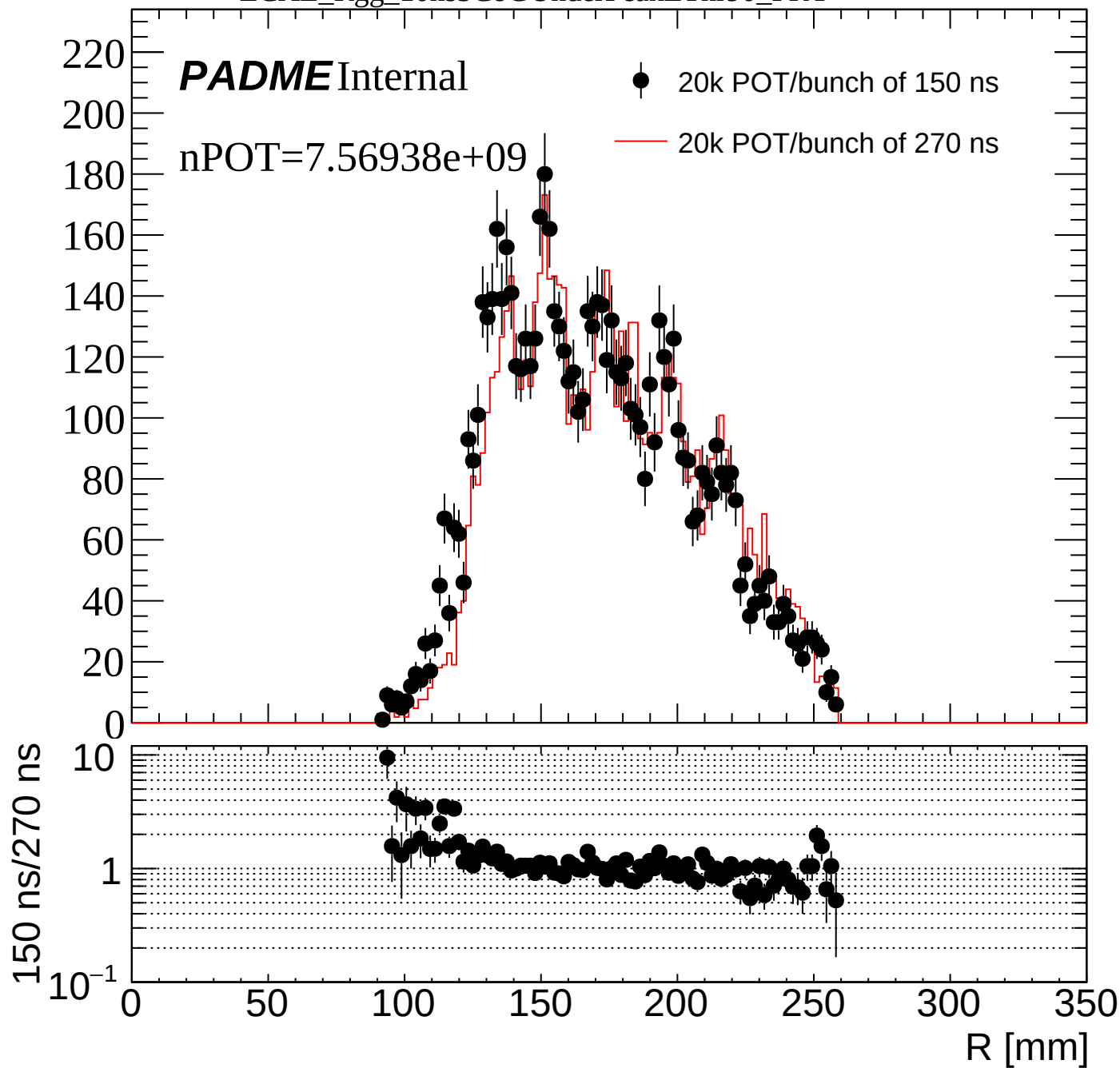












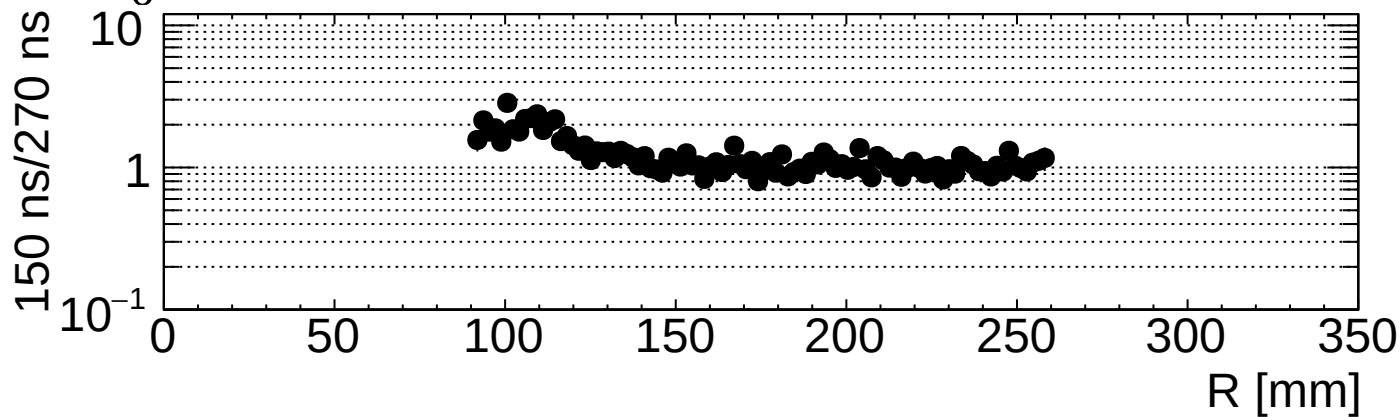
ECAL_Rgg_10ns5CoGEThr90

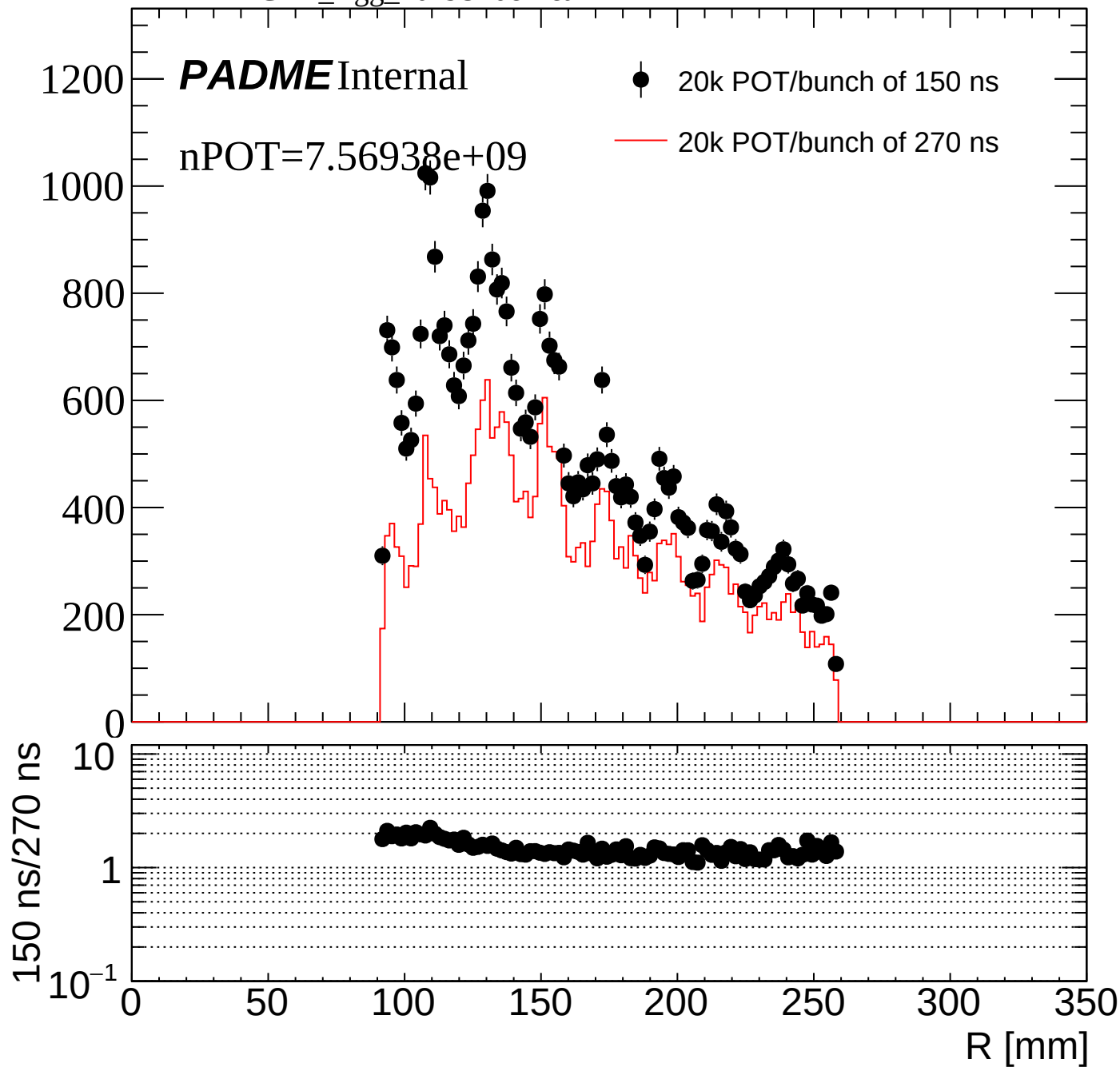
PADME Internal

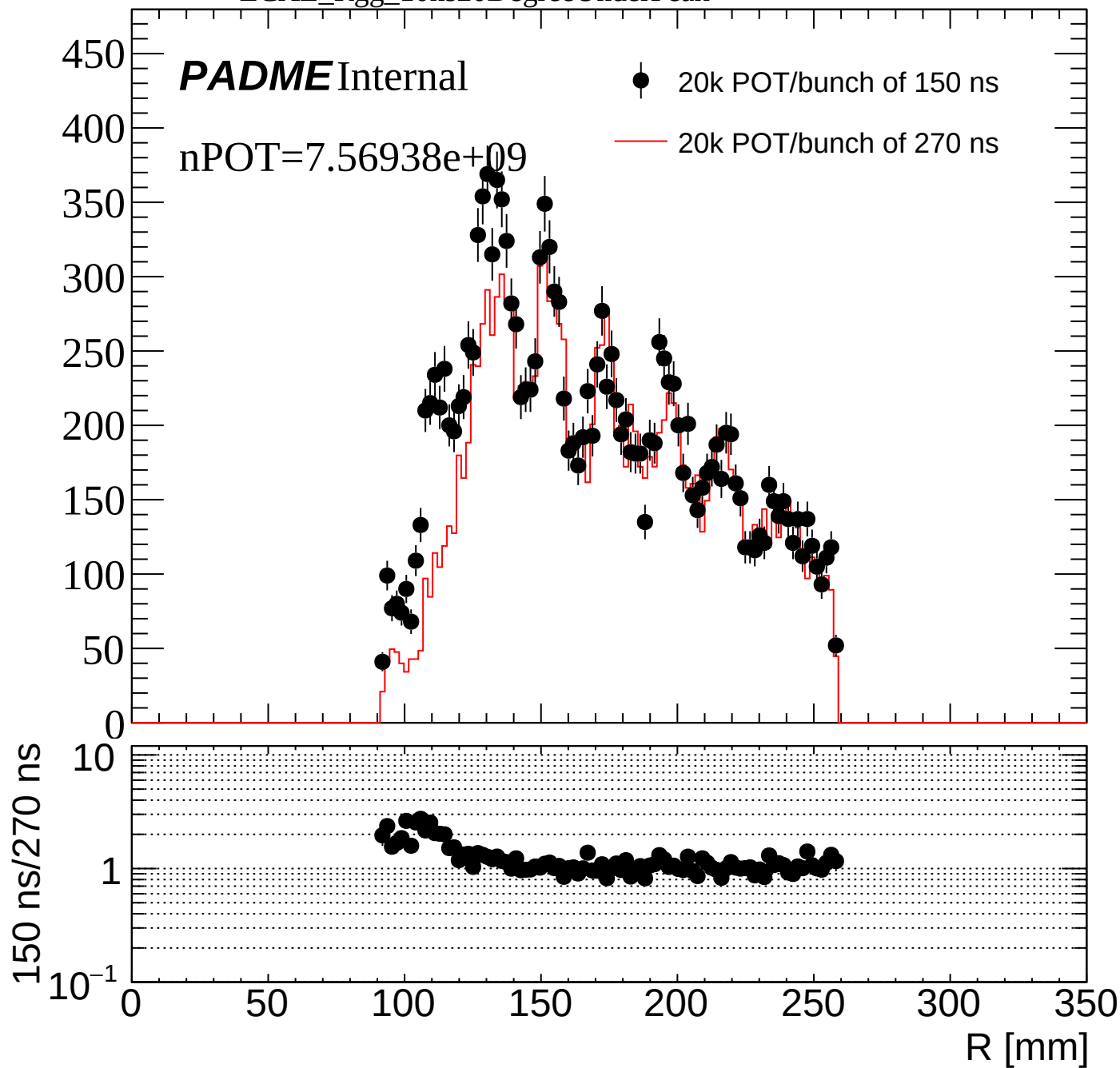
nPOT=7.56938e+09

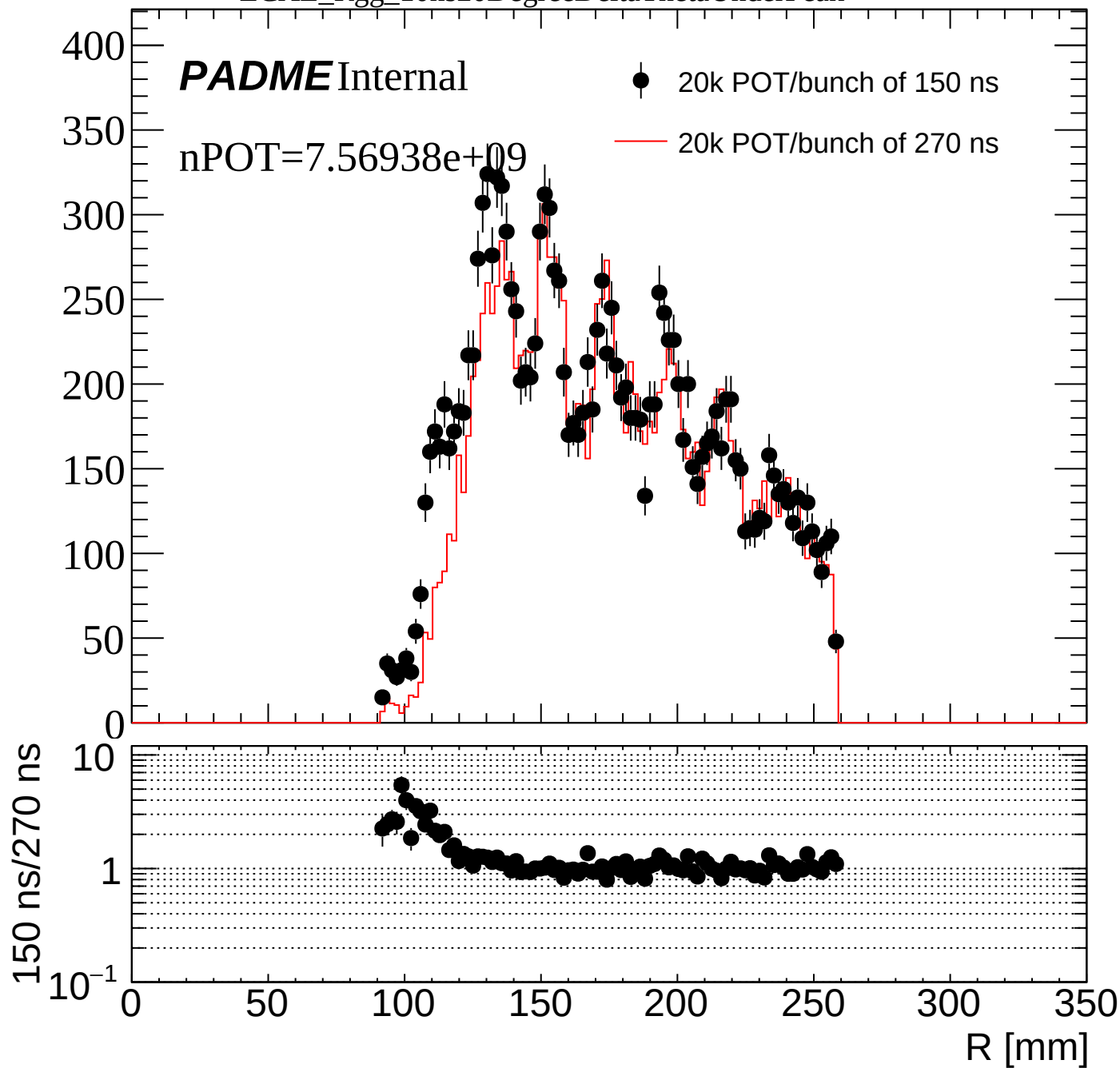
● 20k POT/bunch of 150 ns

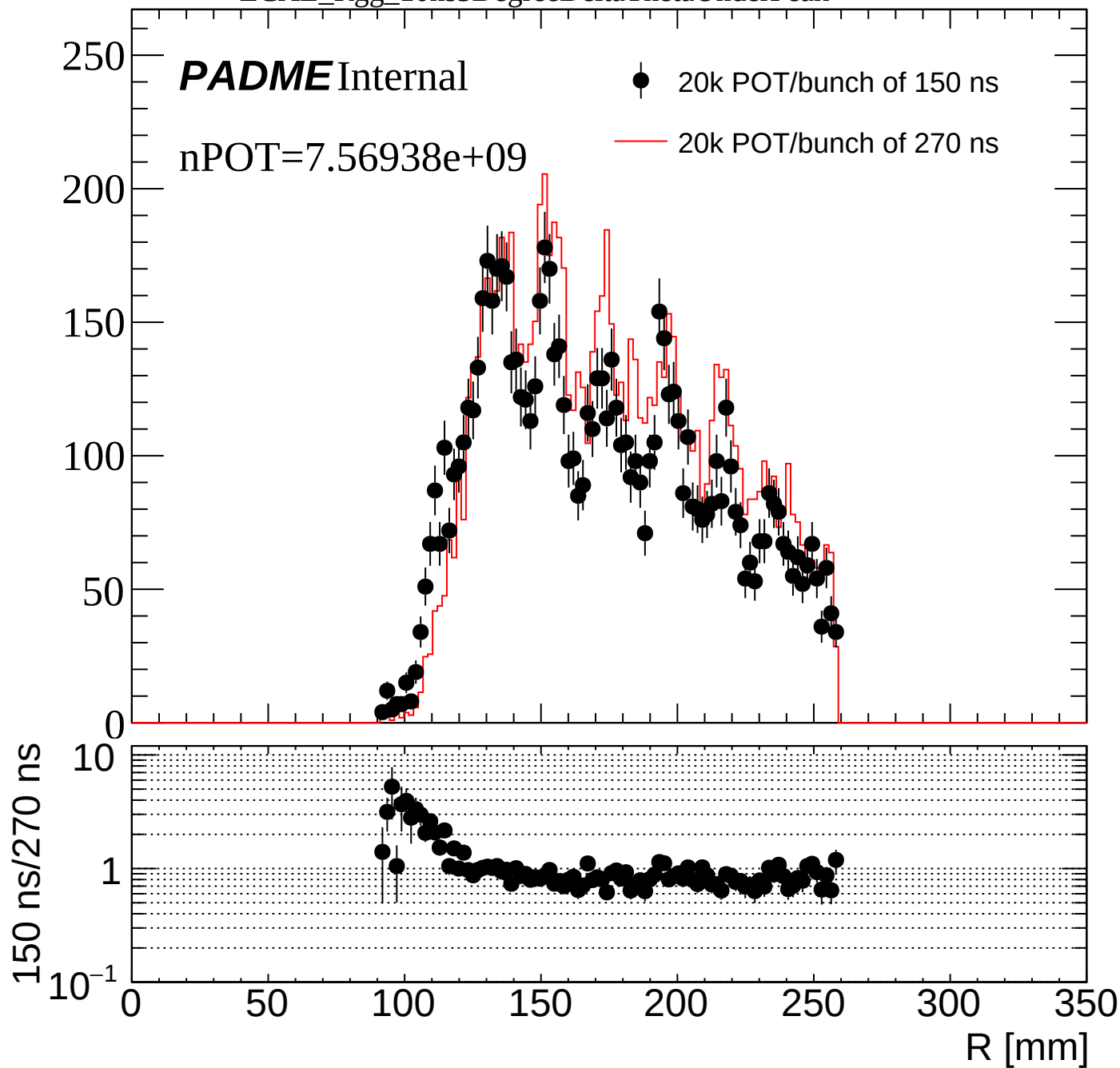
— 20k POT/bunch of 270 ns

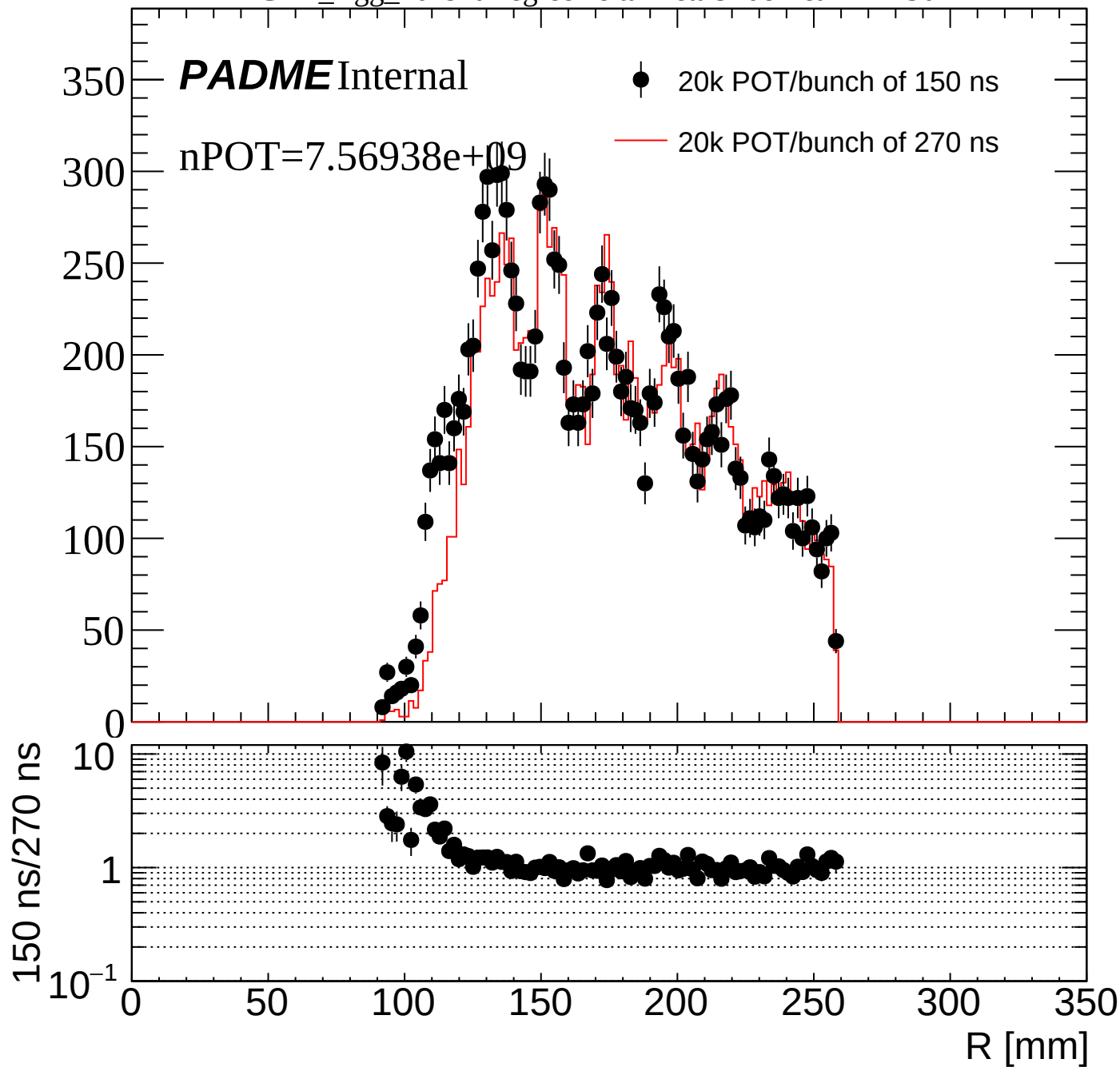


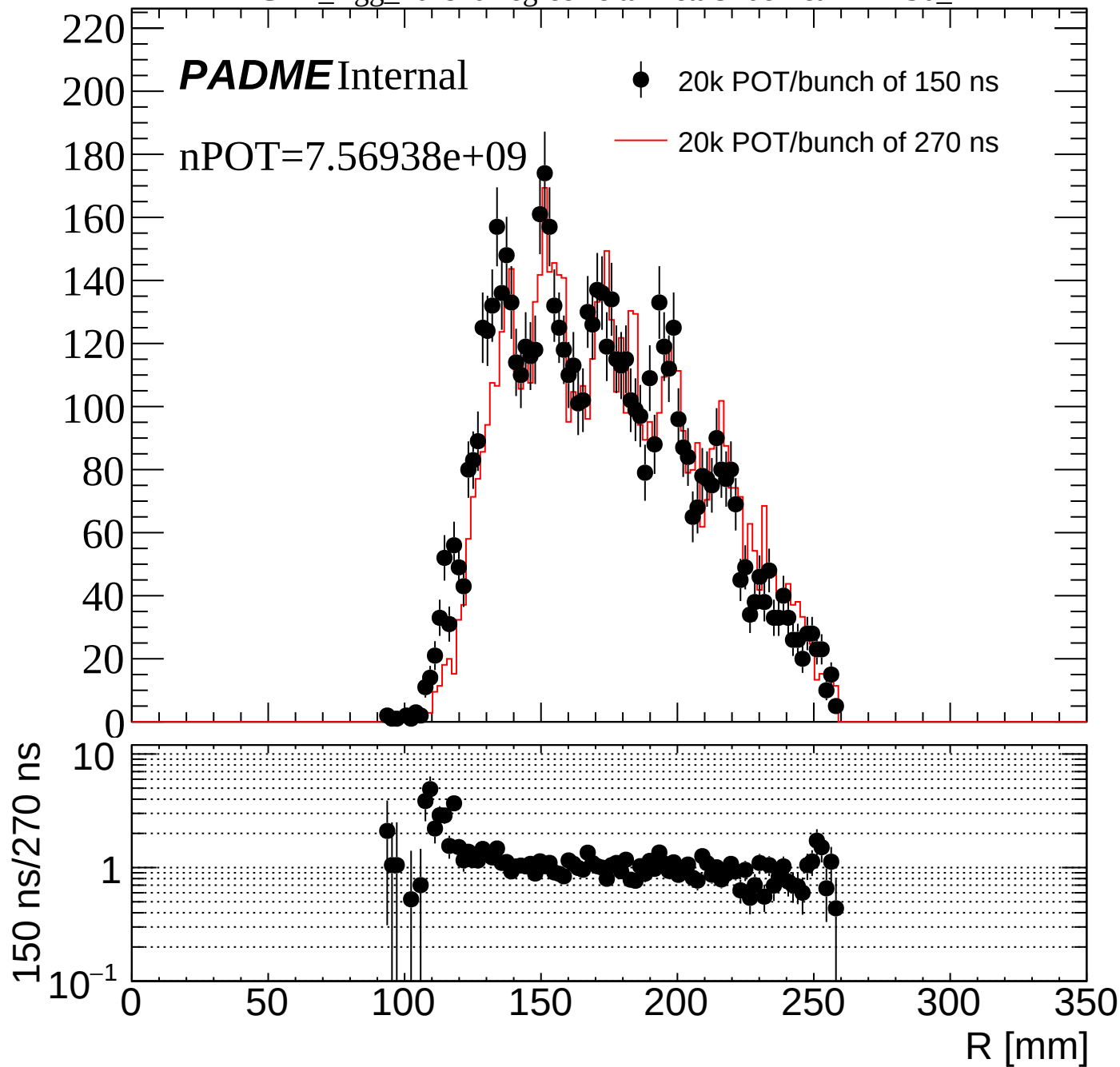


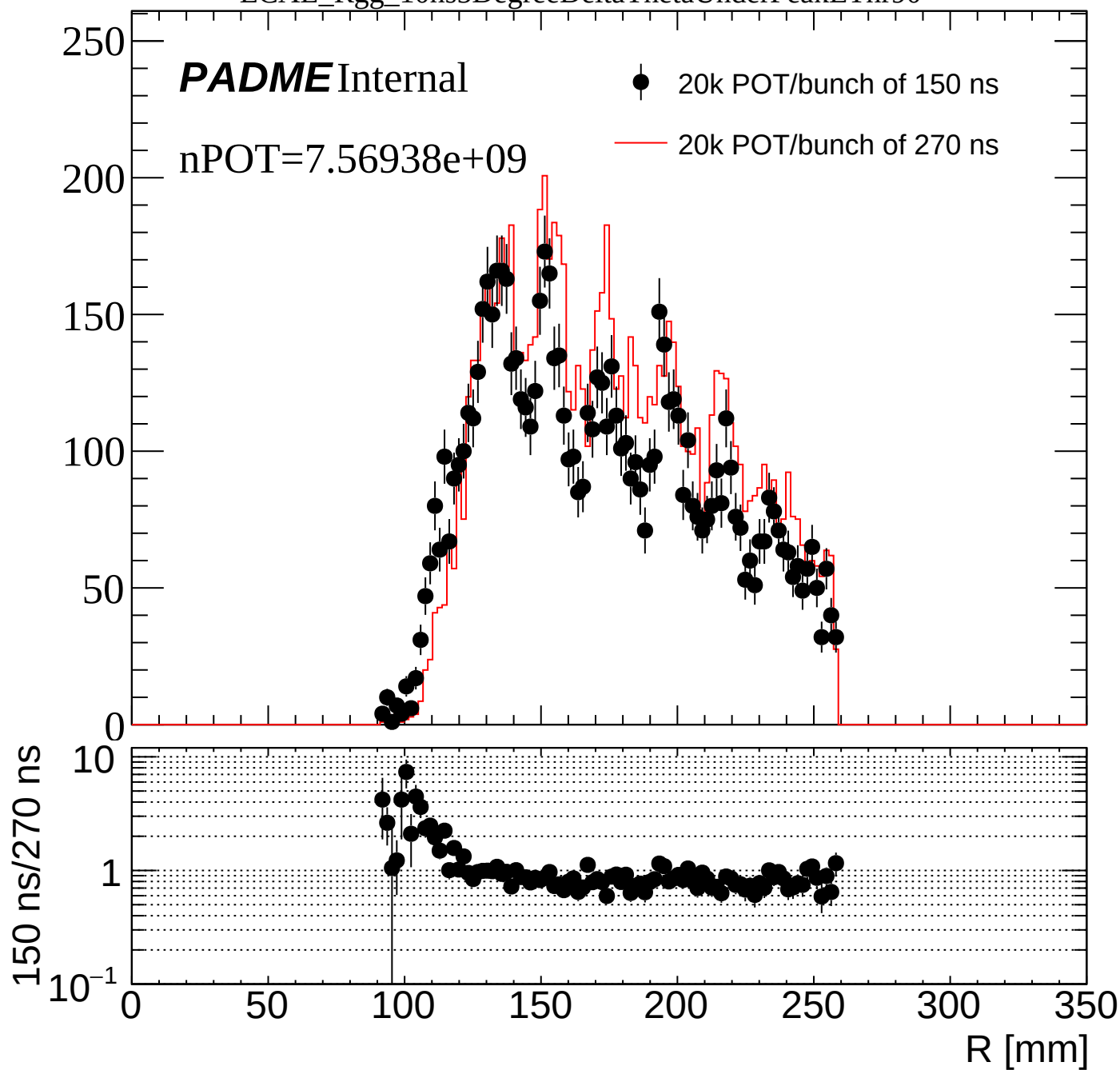












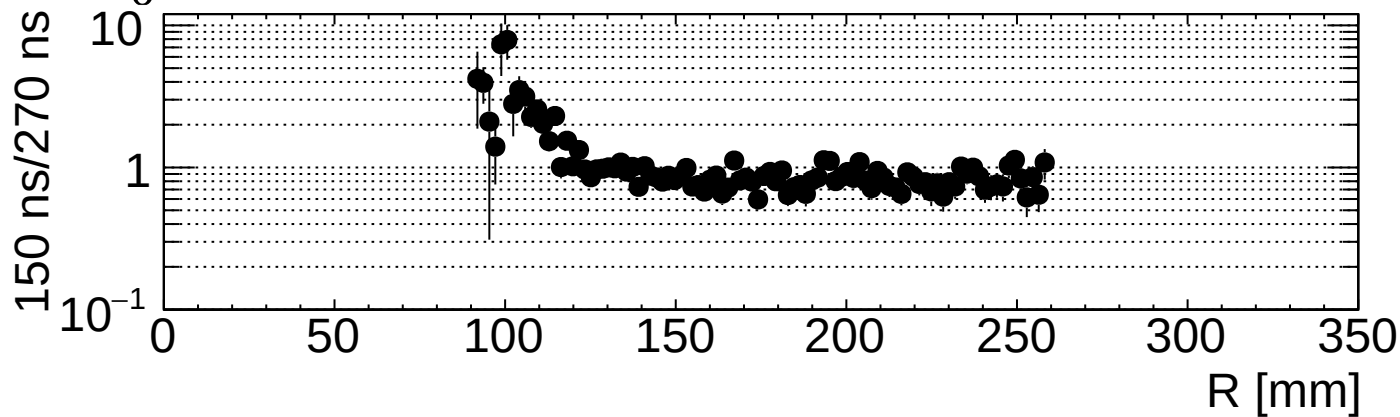
ECAL_Rgg_10ns5DegreeDeltaThetaEThr90

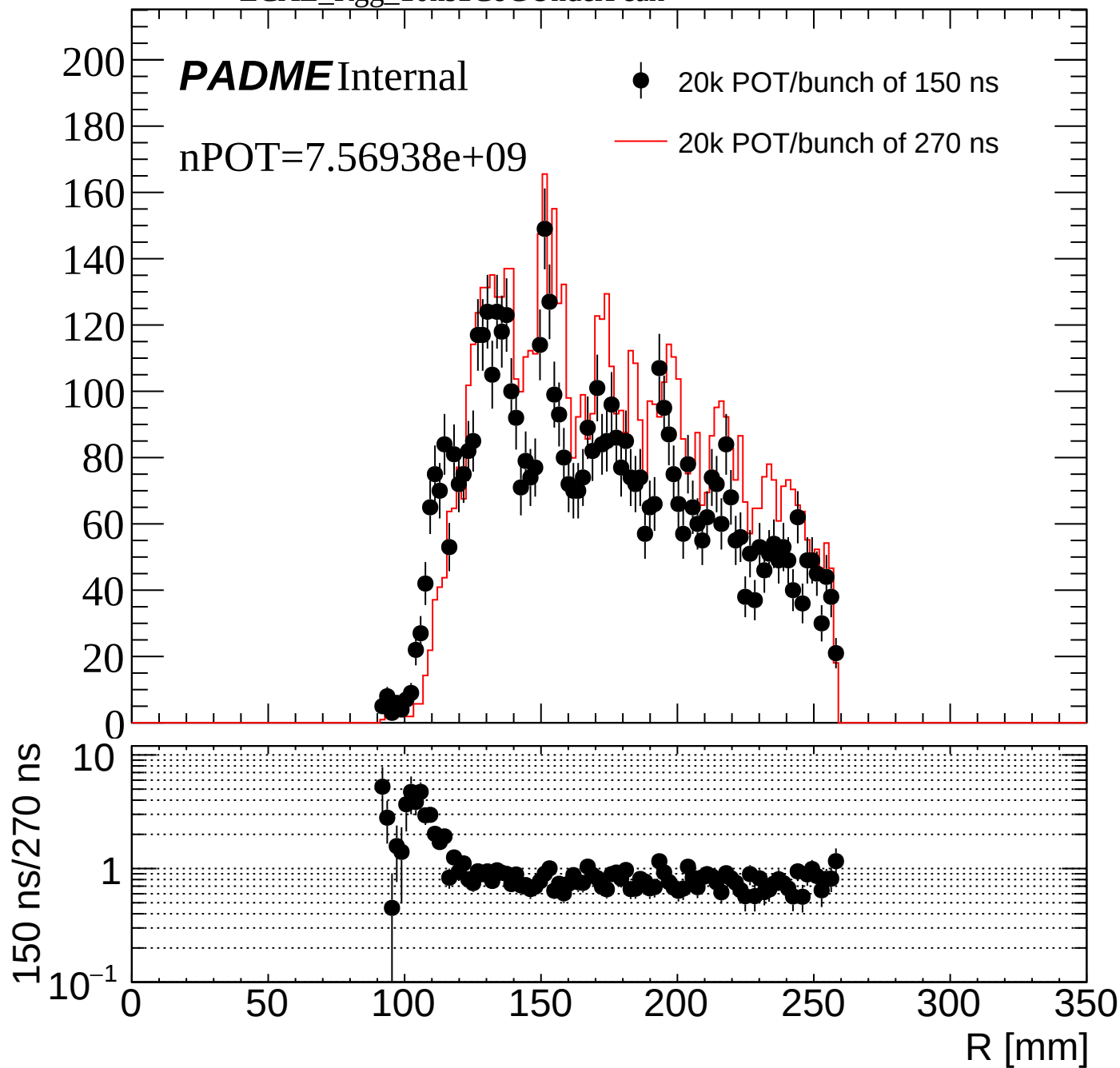
PADME Internal

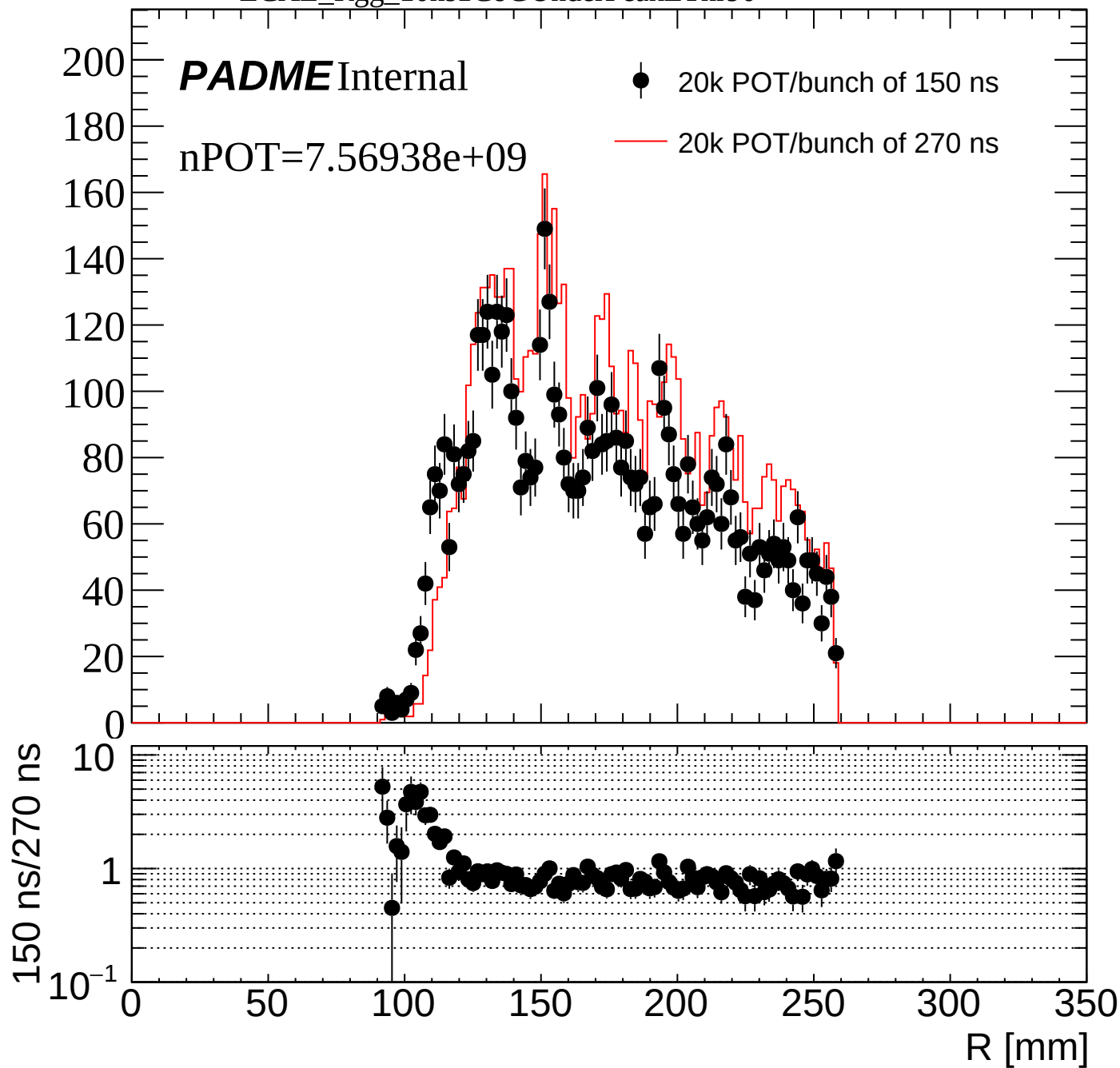
nPOT=7.56938e+09

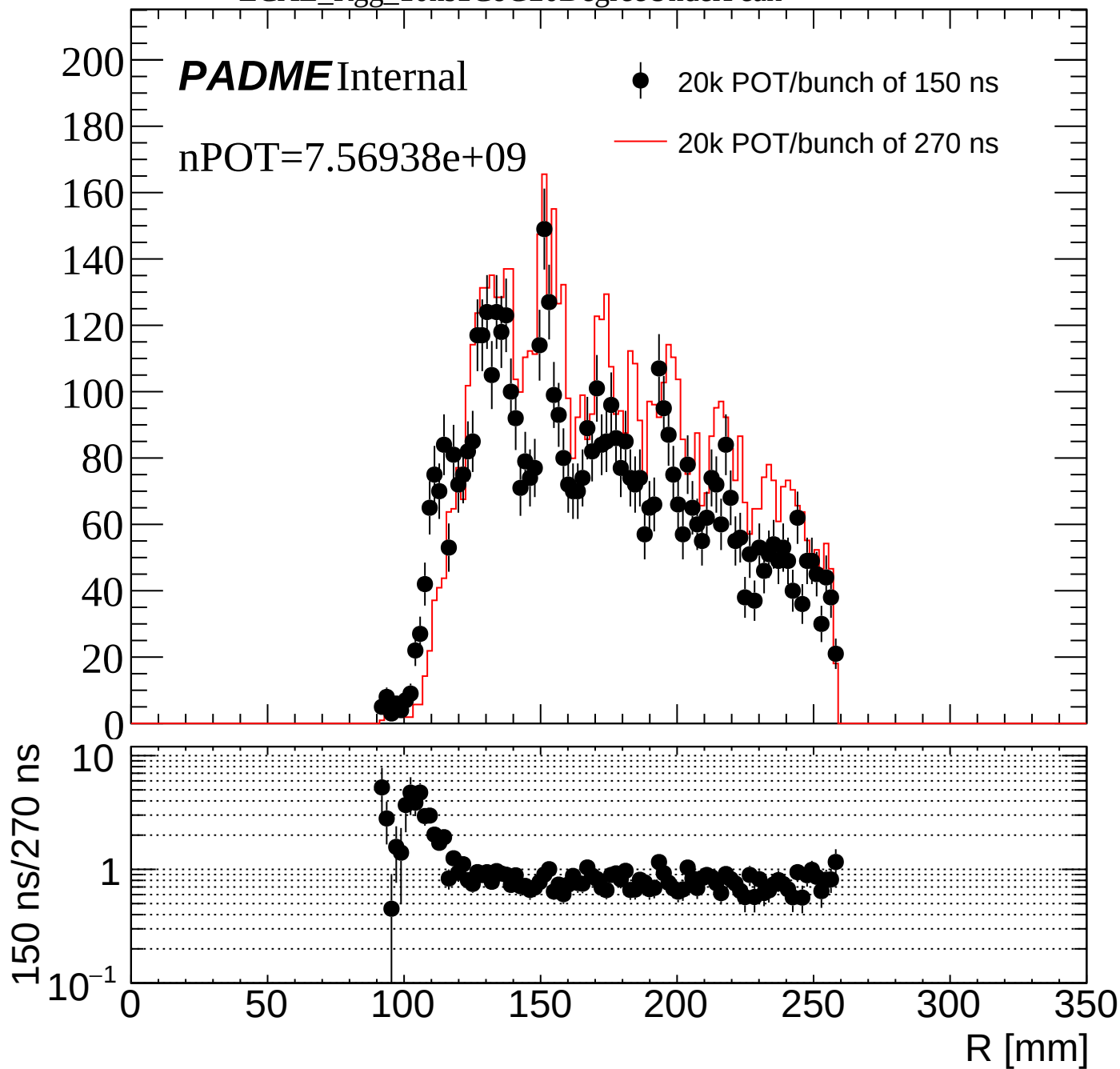
● 20k POT/bunch of 150 ns

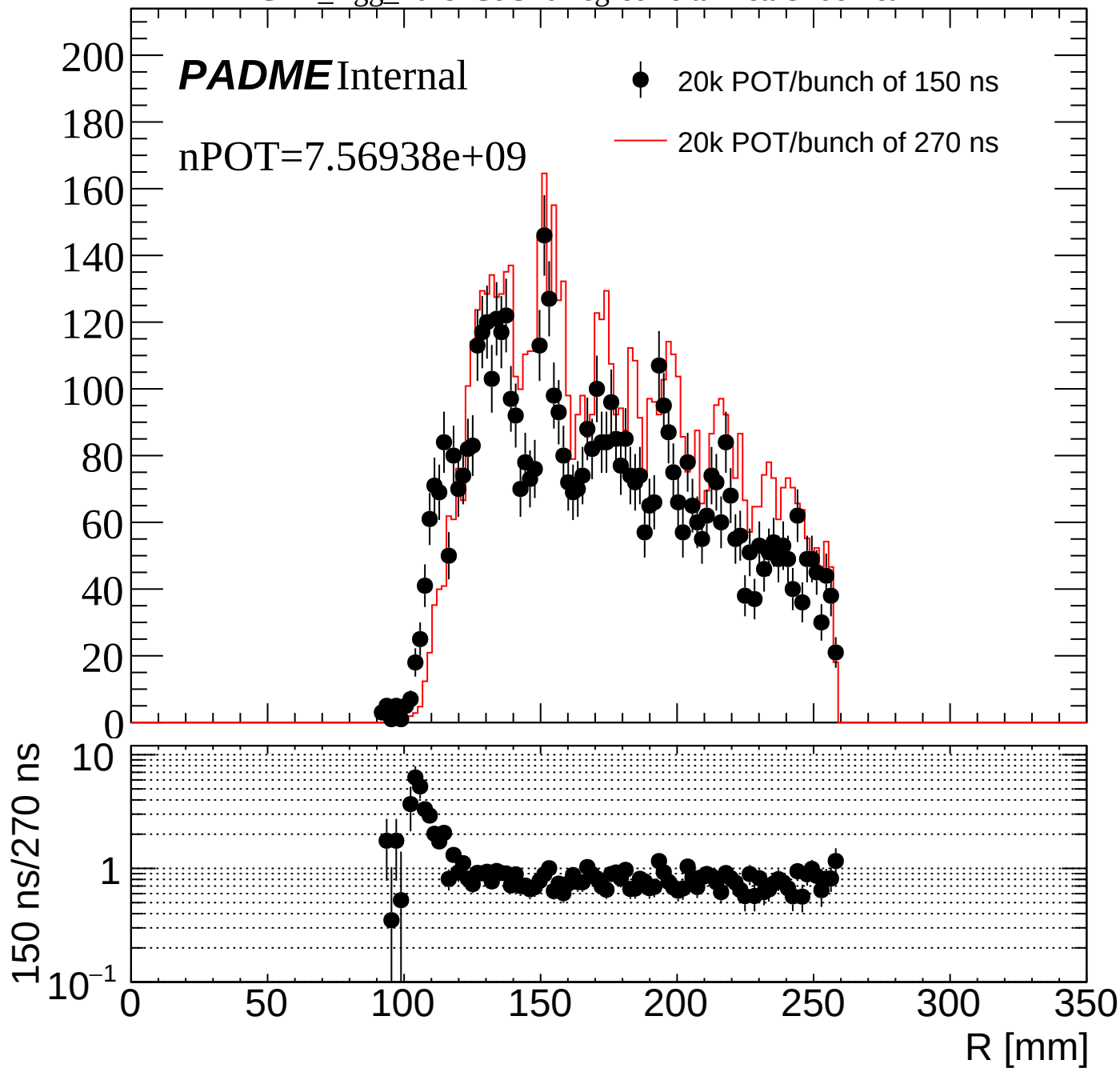
— 20k POT/bunch of 270 ns

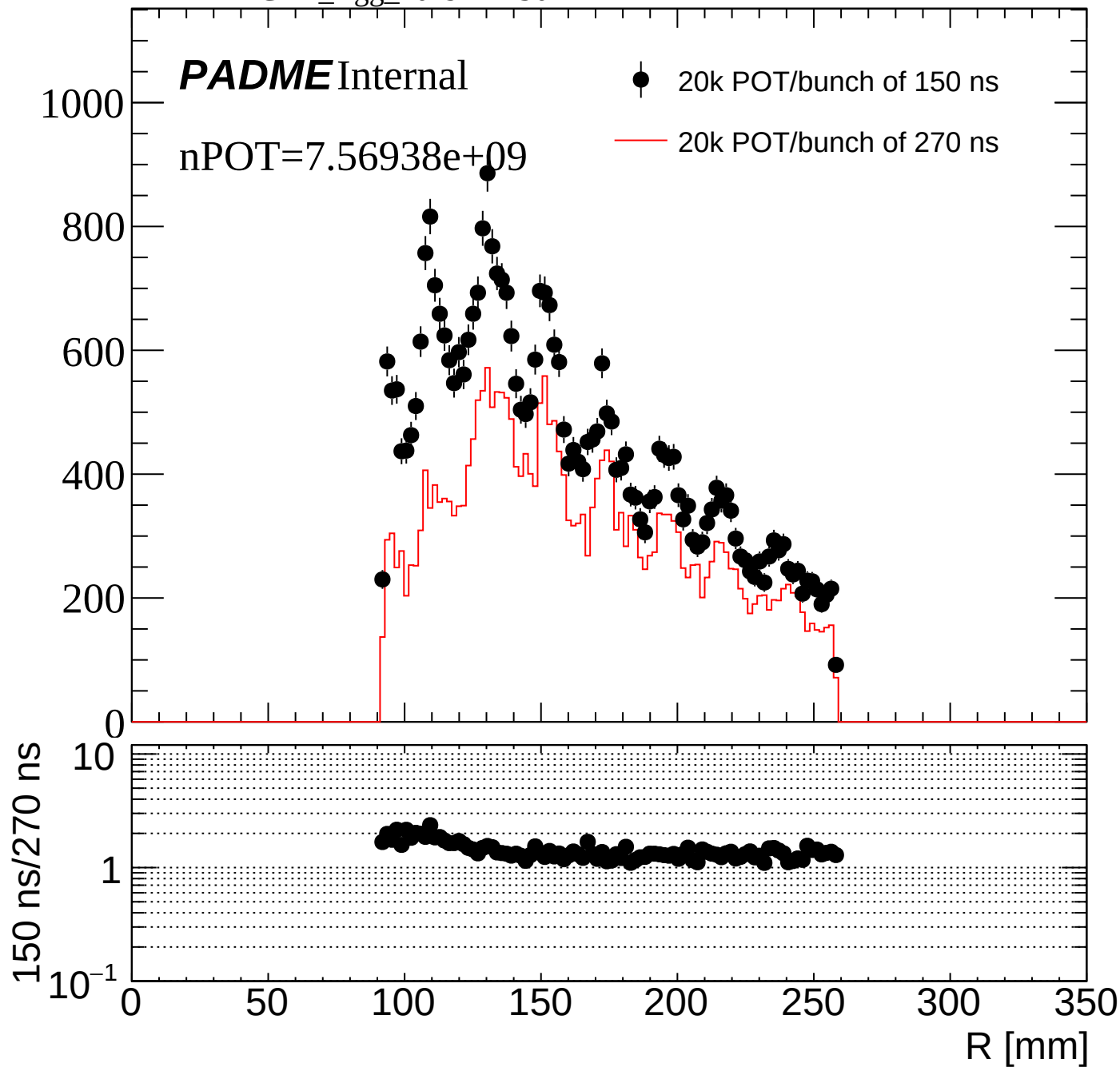


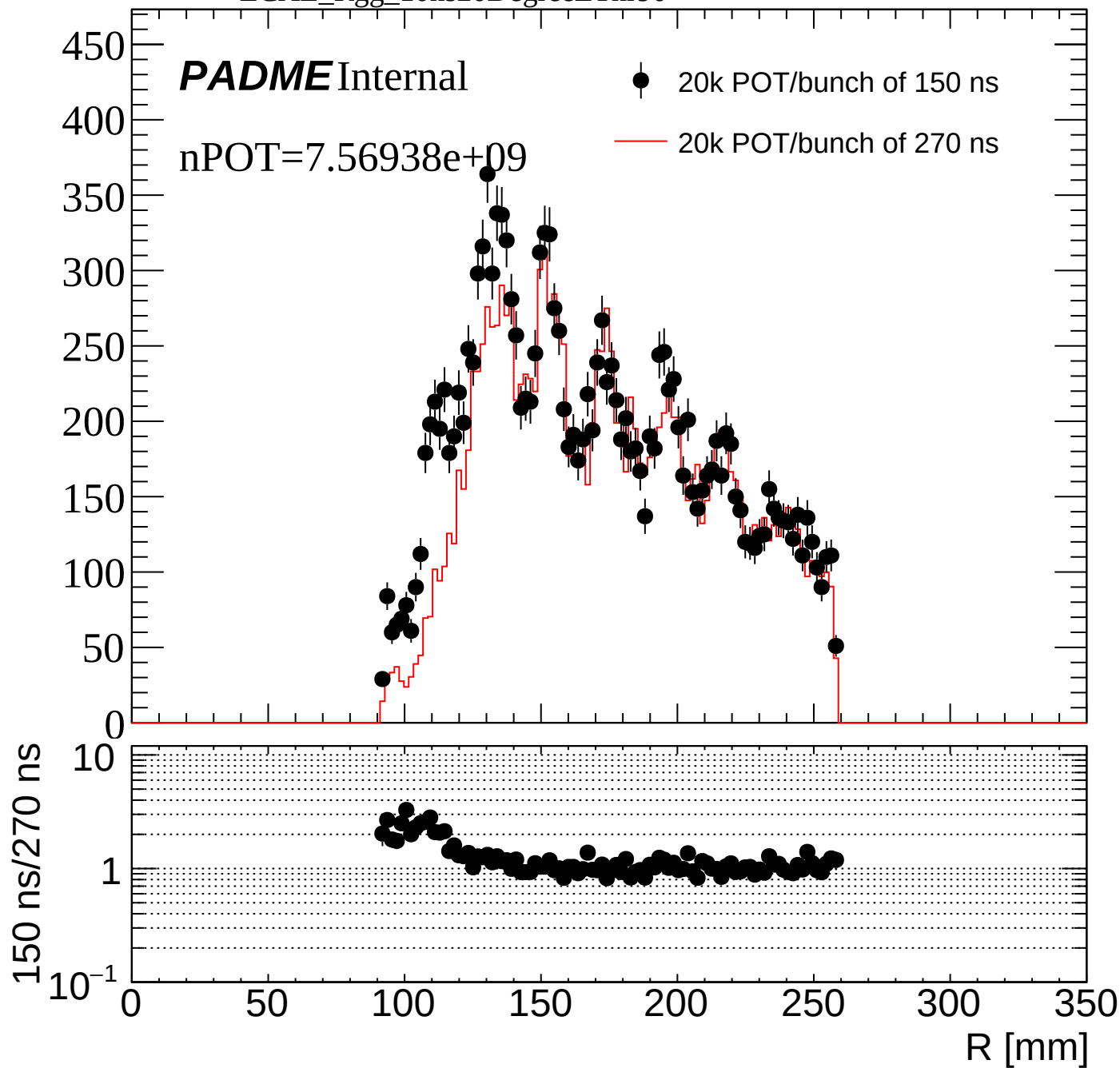












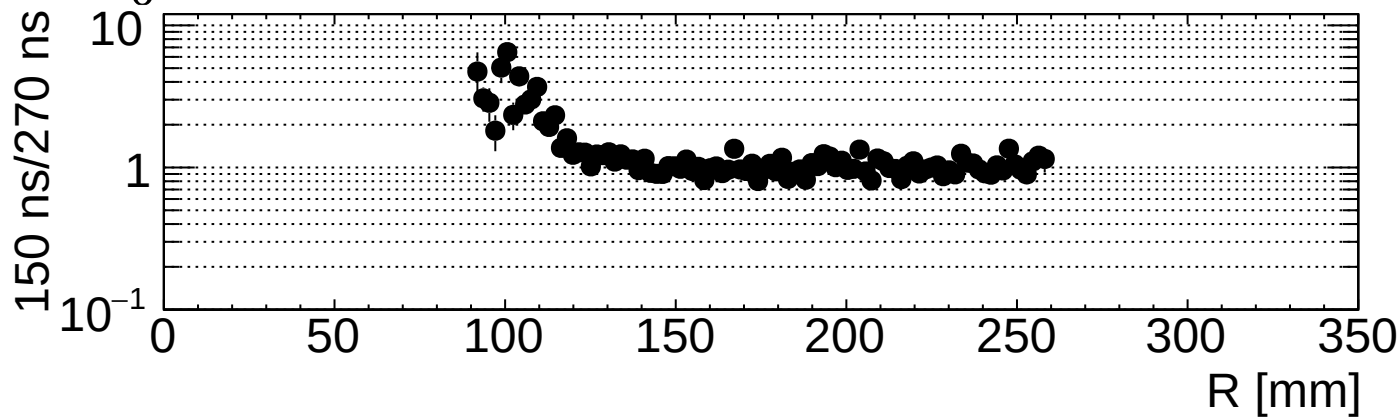
ECAL_Rgg_10ns20DegreeDeltaThetaEThr90

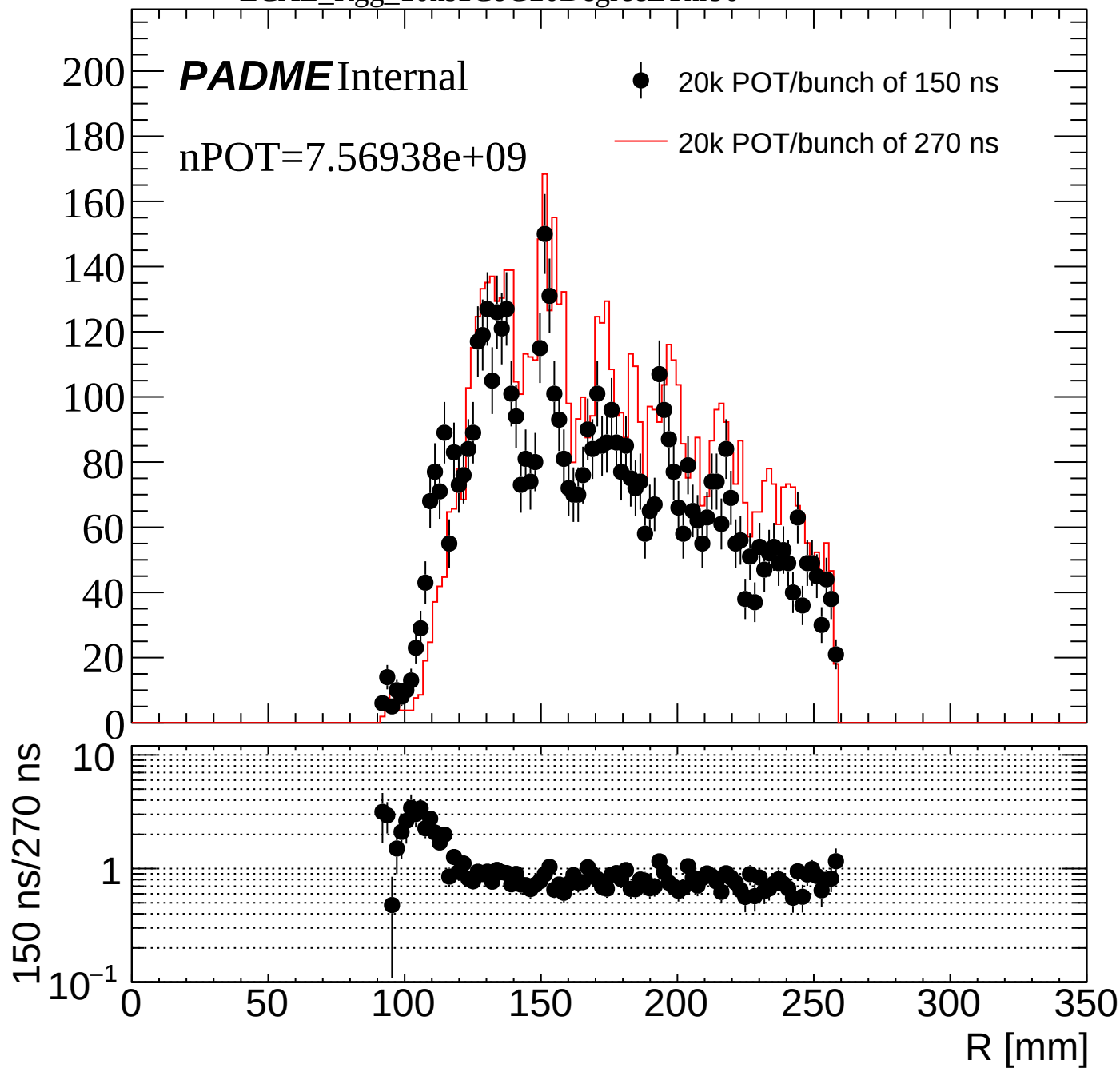
PADME Internal

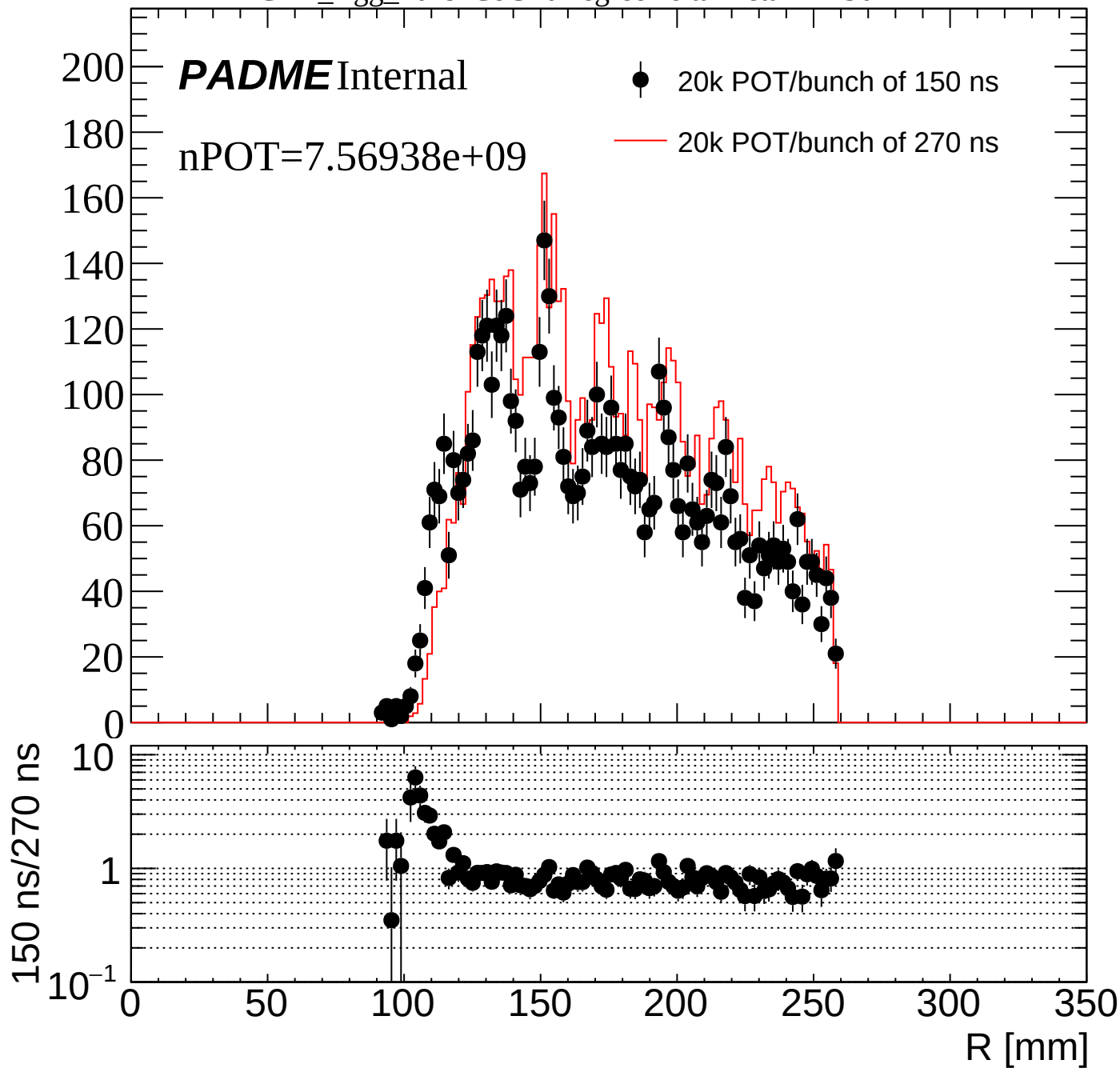
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





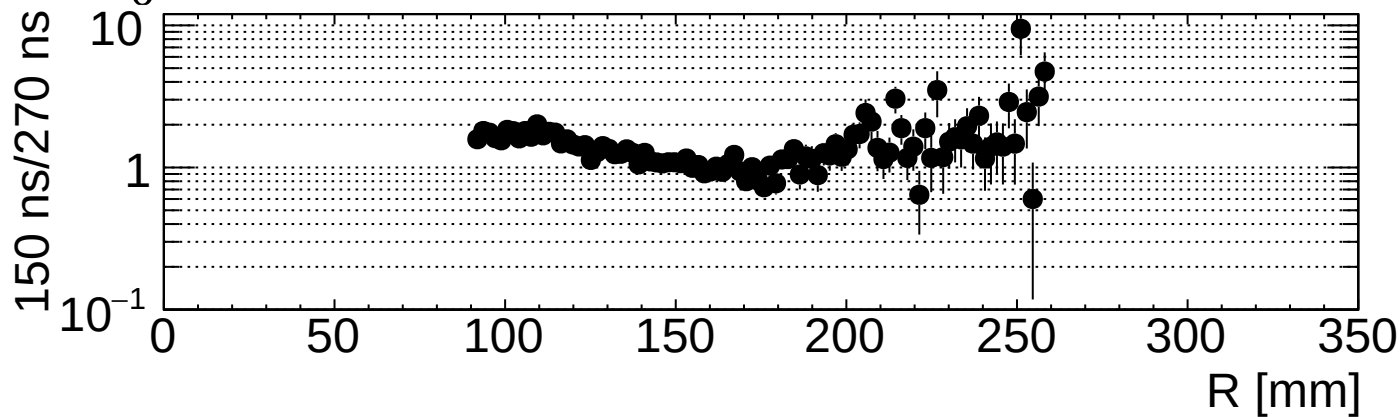


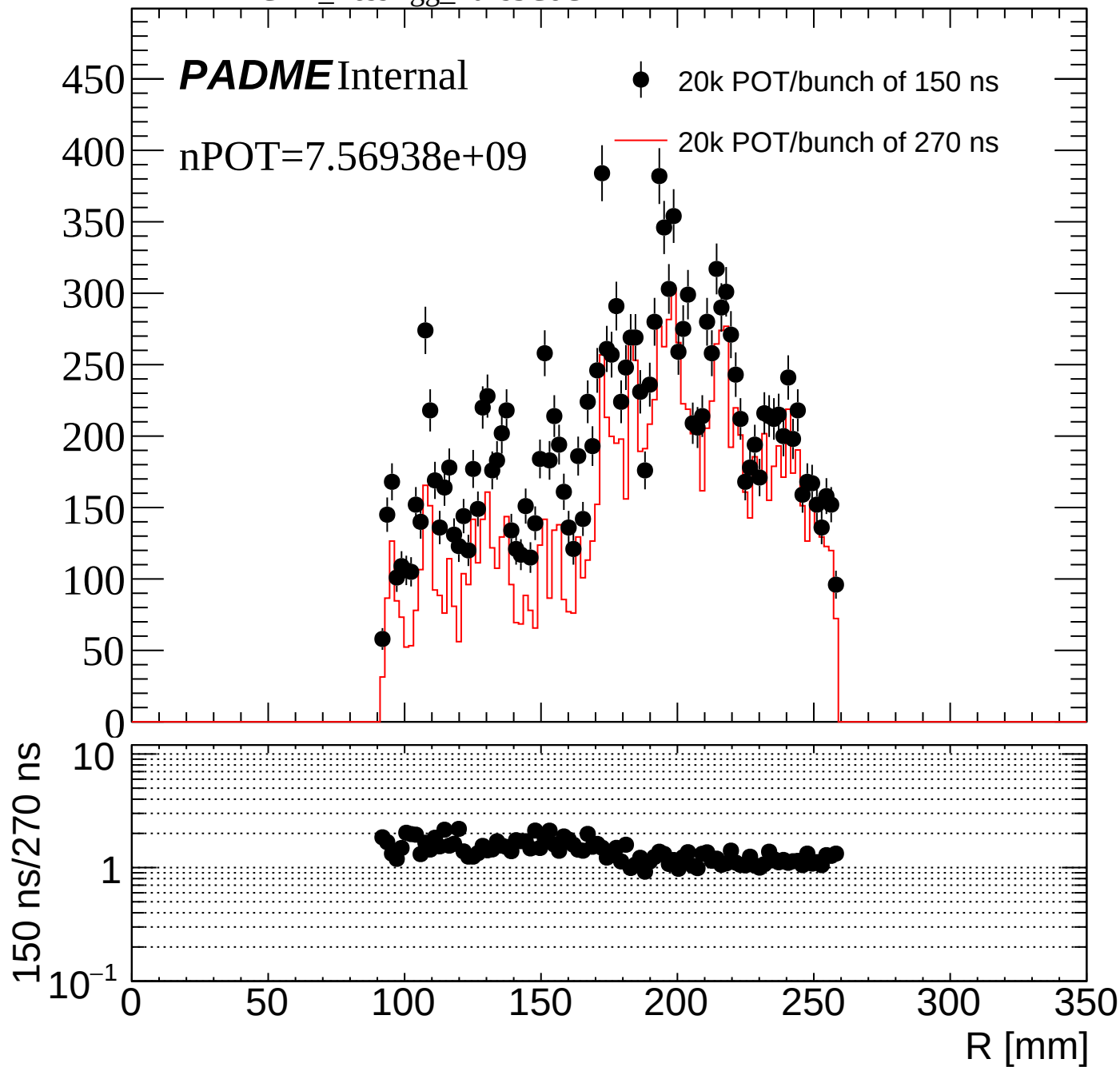
PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



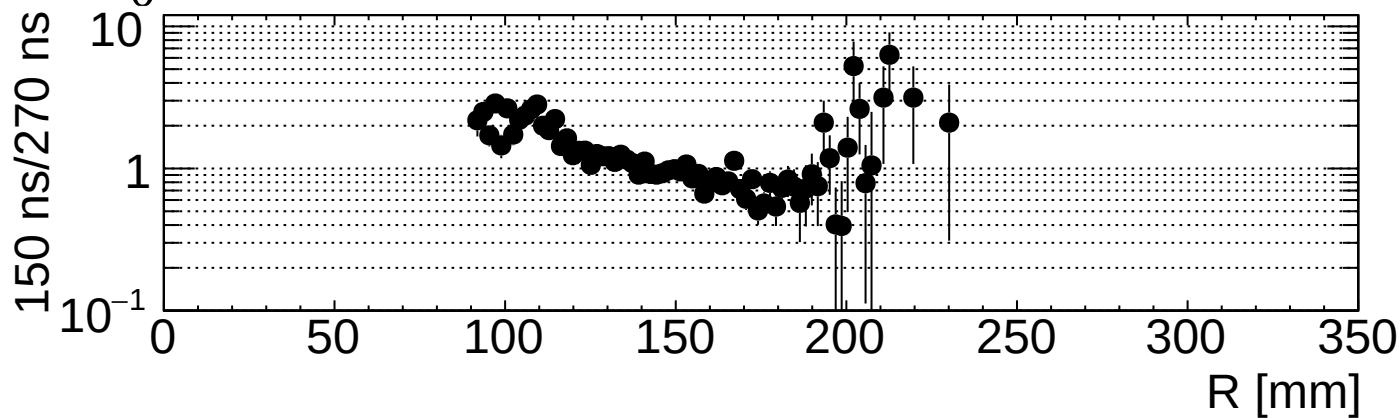


PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

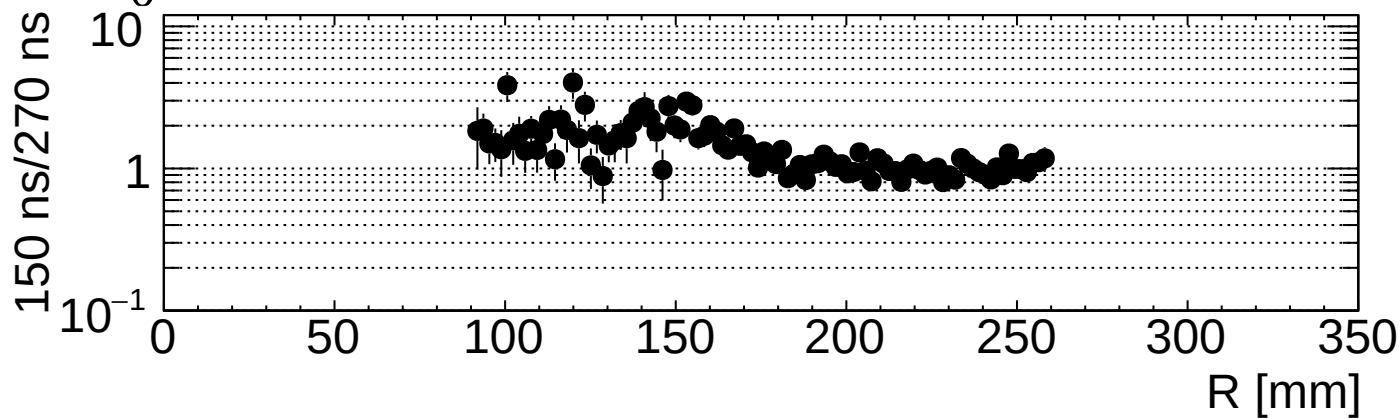


PADME Internal

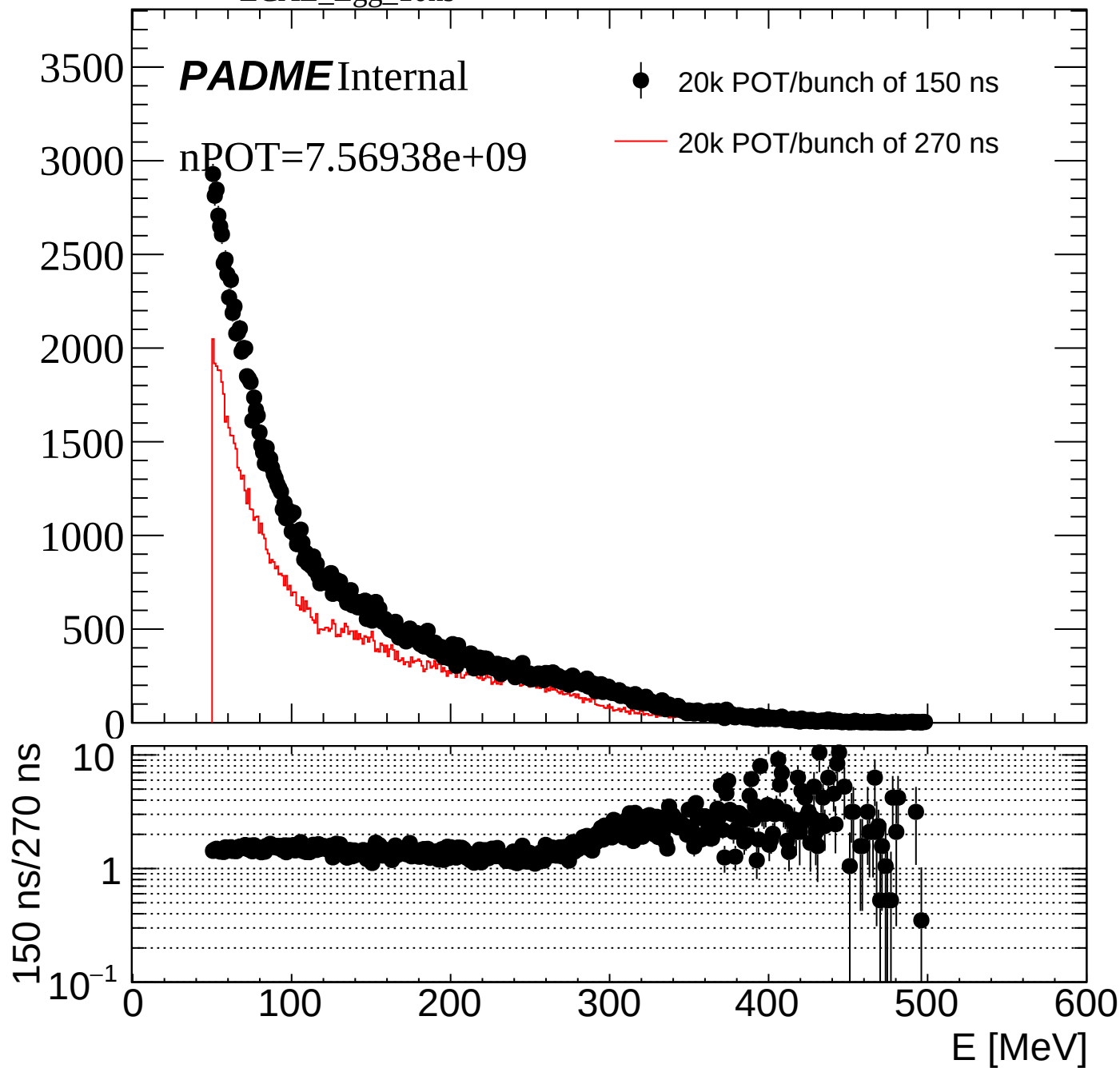
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

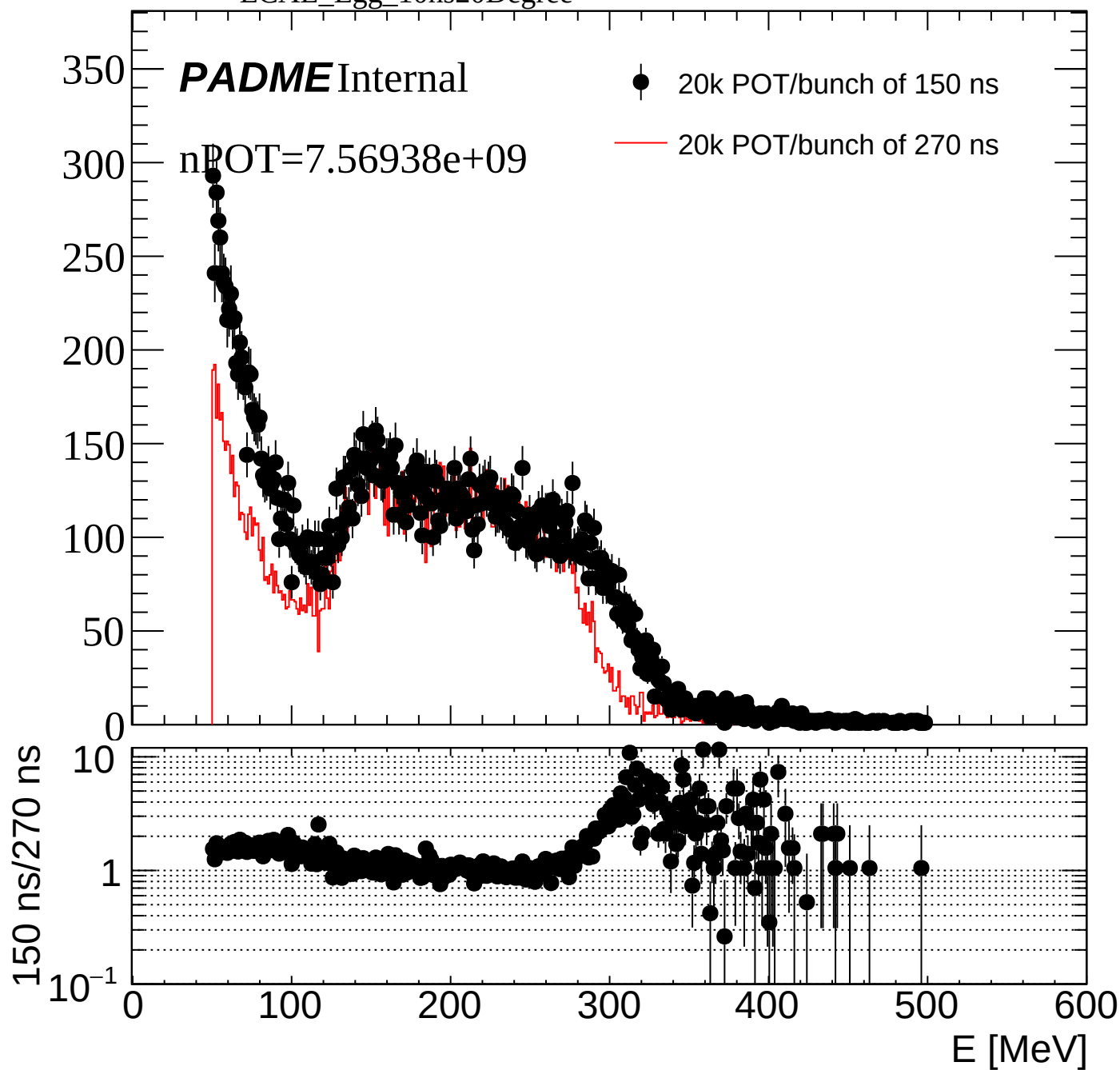
— 20k POT/bunch of 270 ns



ECAL_Egg_10ns



ECAL_Egg_10ns20Degree



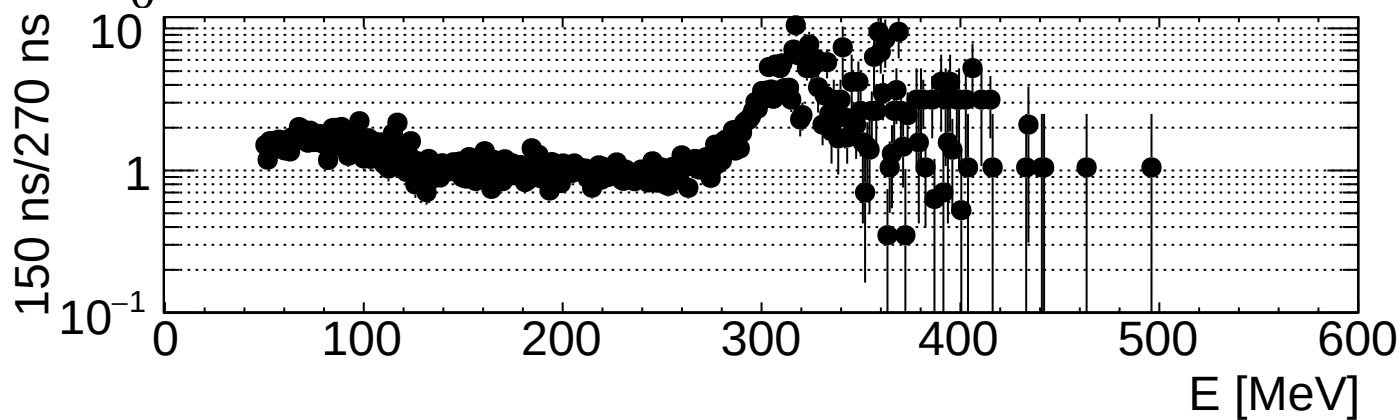
ECAL_Egg_10ns20DegreeDeltaTheta

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



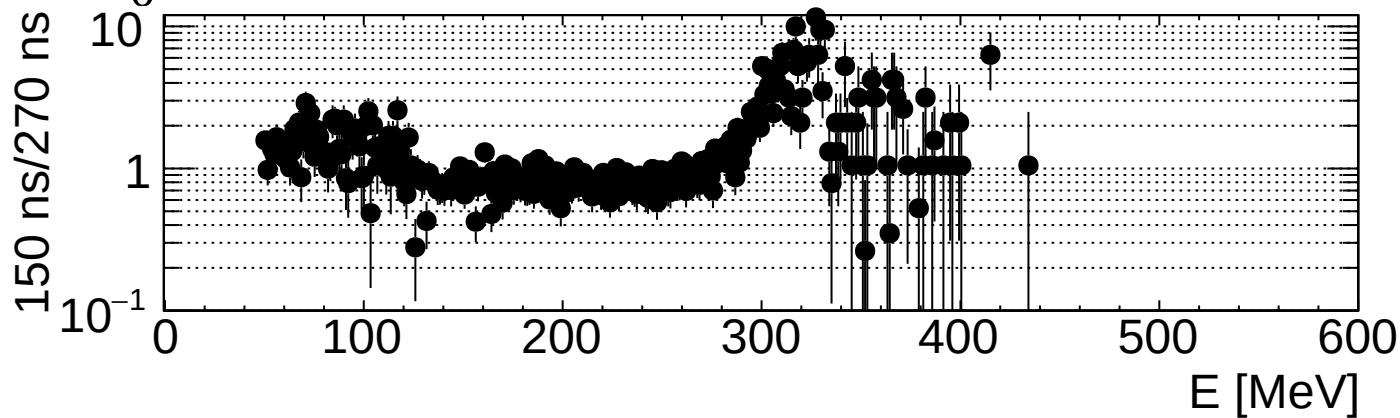
ECAL_Egg_10ns5DegreeDeltaTheta

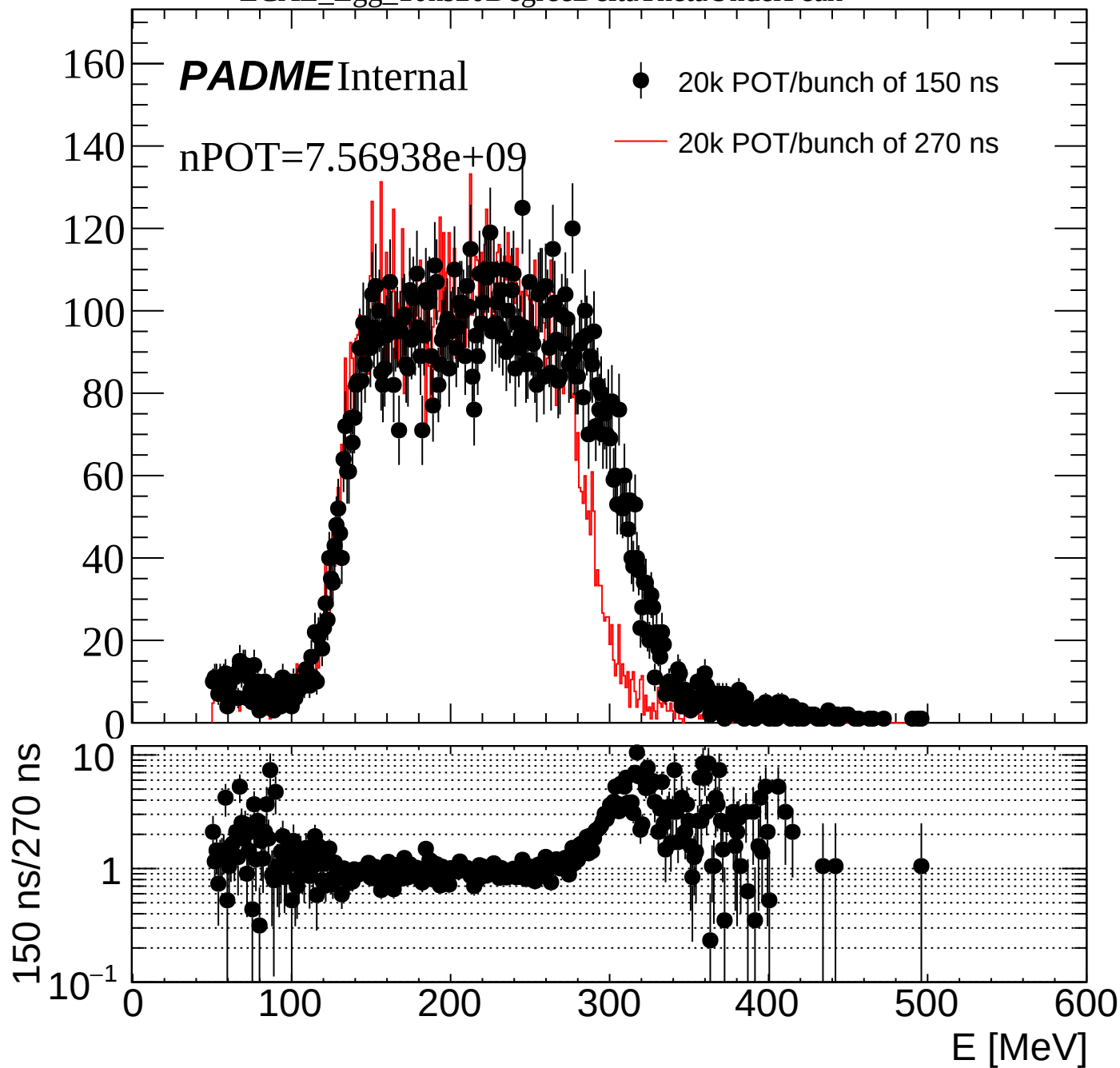
PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





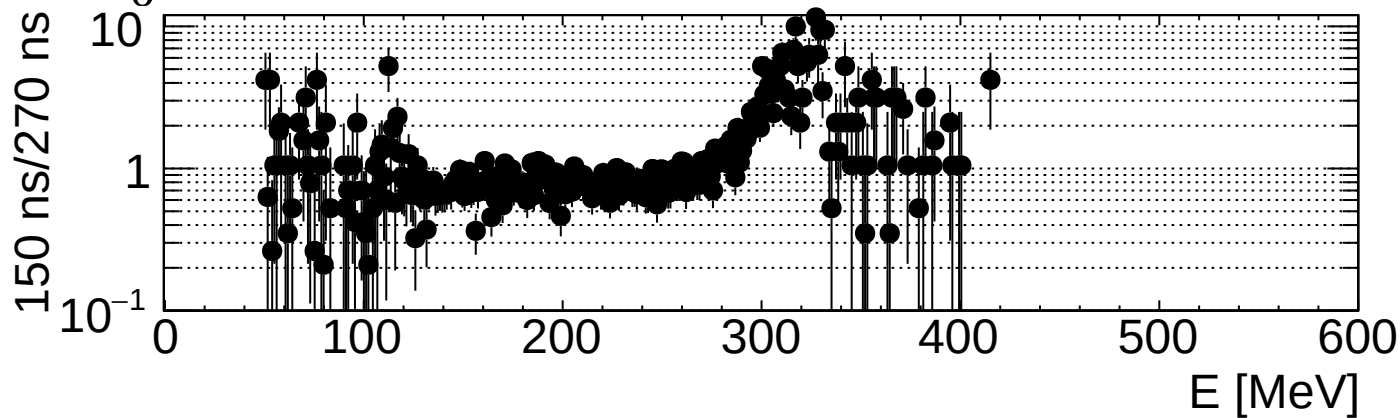
ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak

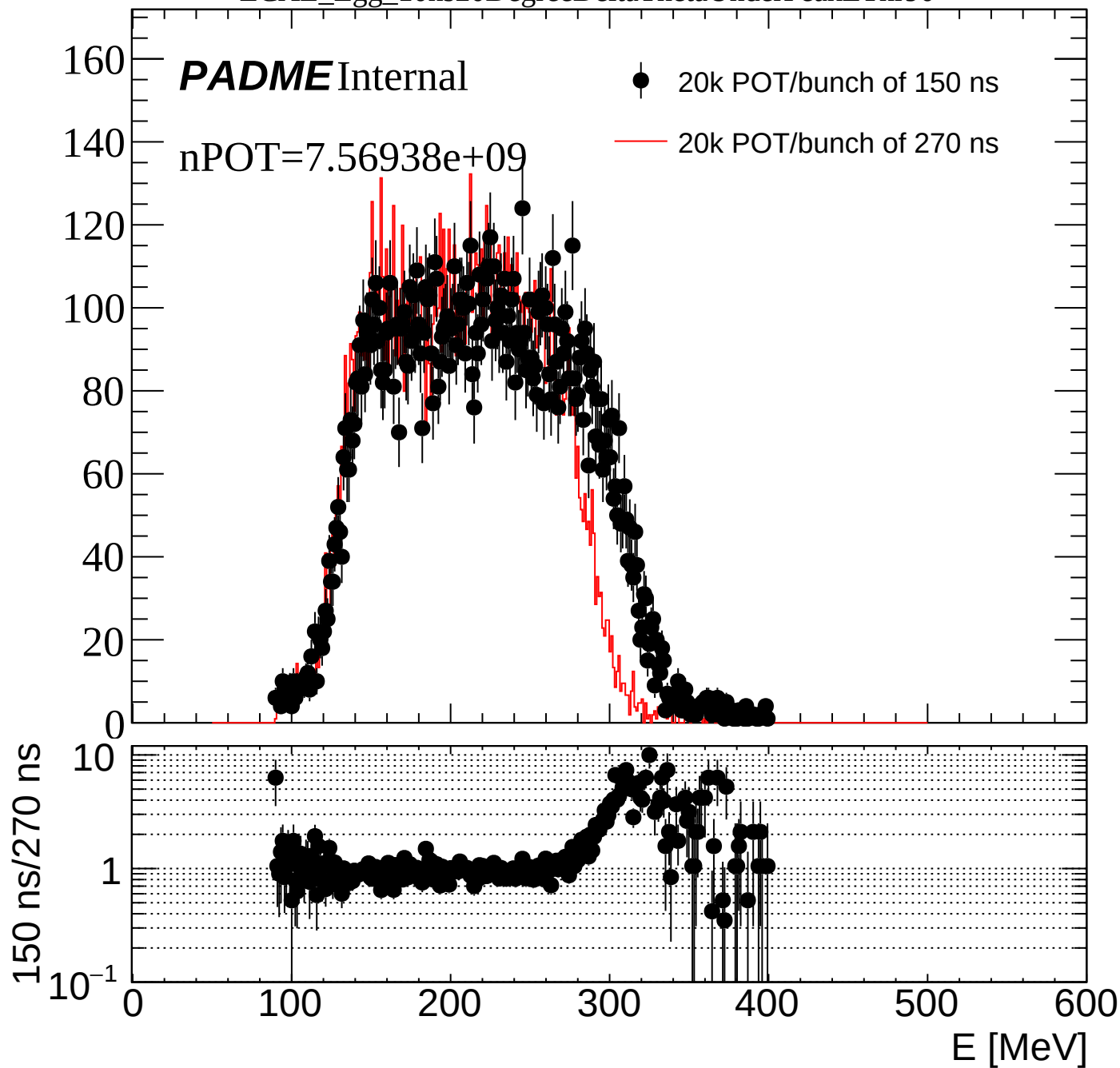
PADME Internal

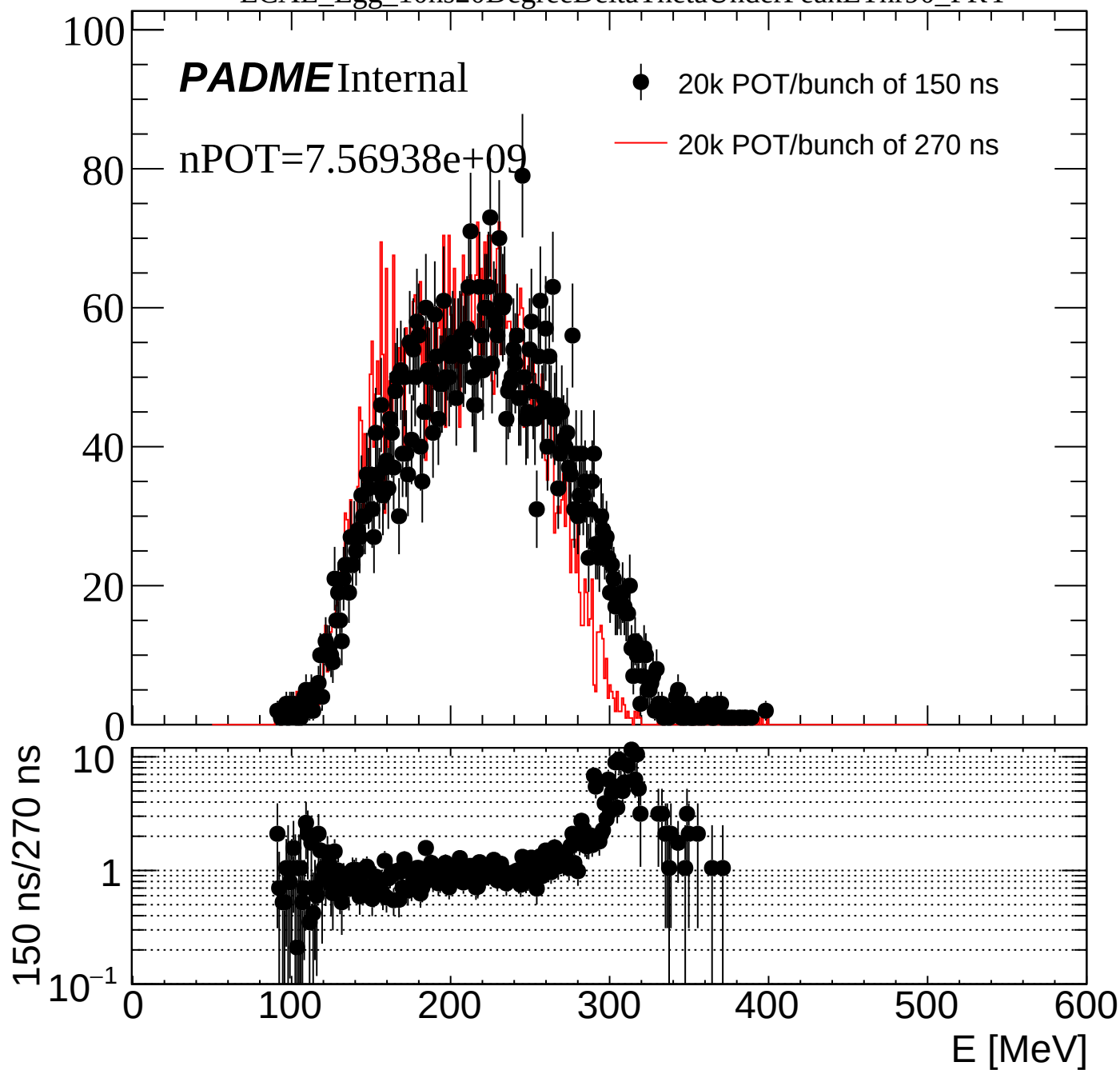
nPOT=7.56938e+09

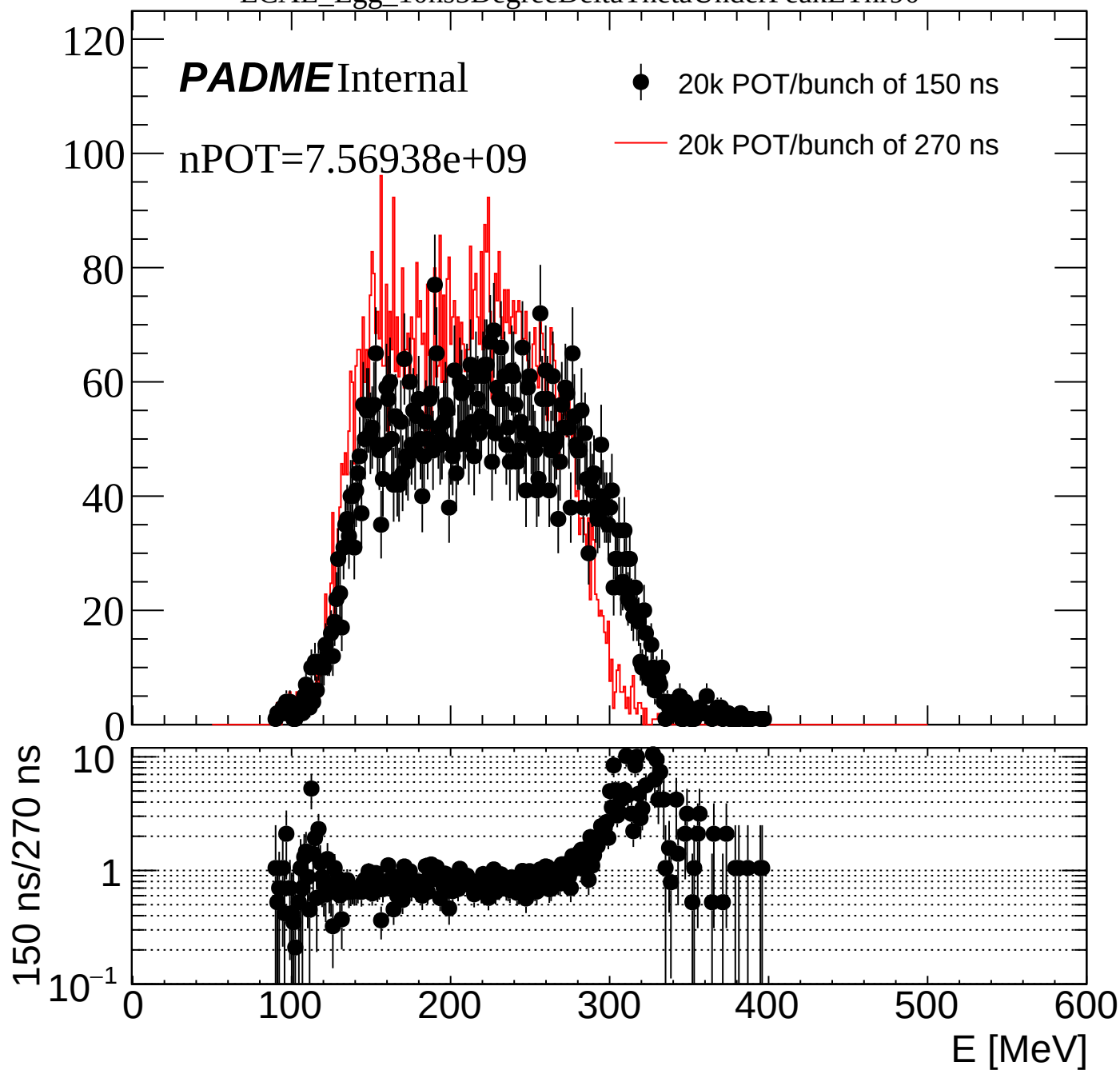
● 20k POT/bunch of 150 ns

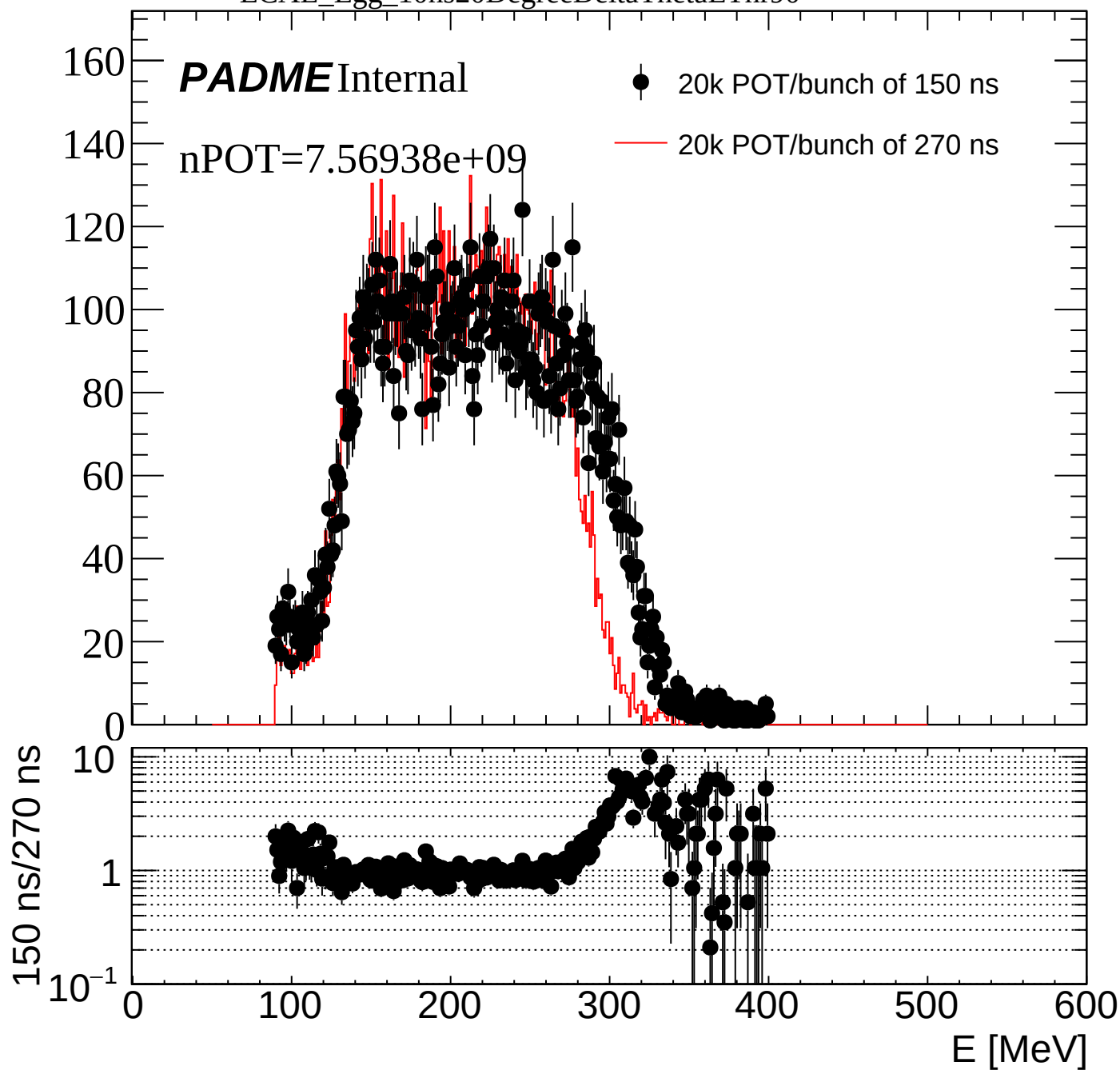
— 20k POT/bunch of 270 ns











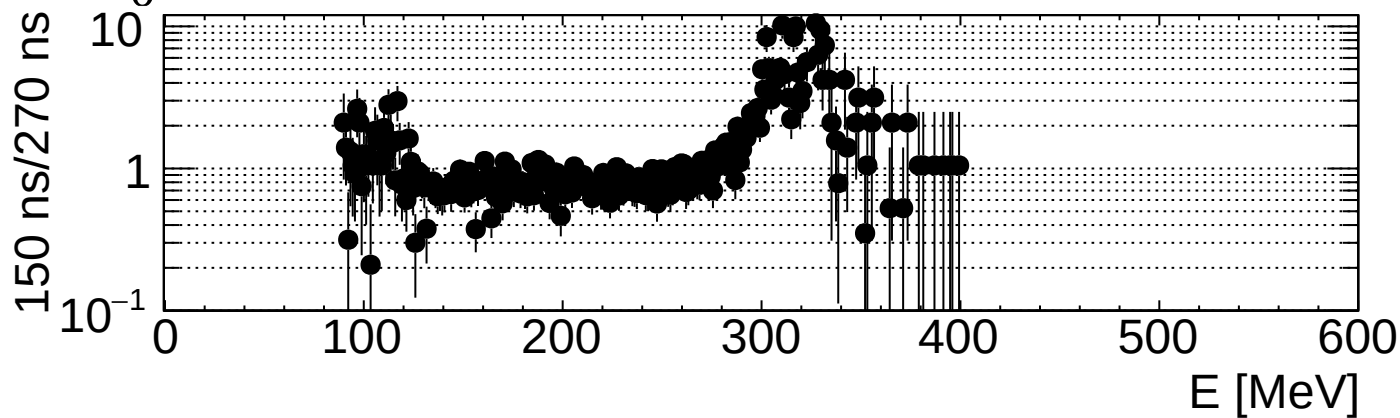
ECAL_Egg_10ns5DegreeDeltaThetaEThr90

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



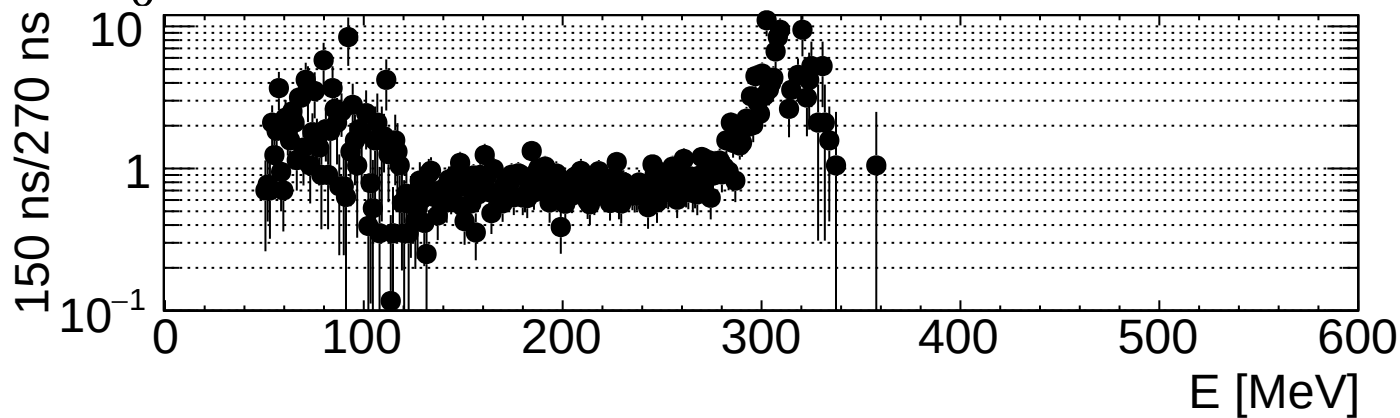
ECAL_Egg_10ns1CoG

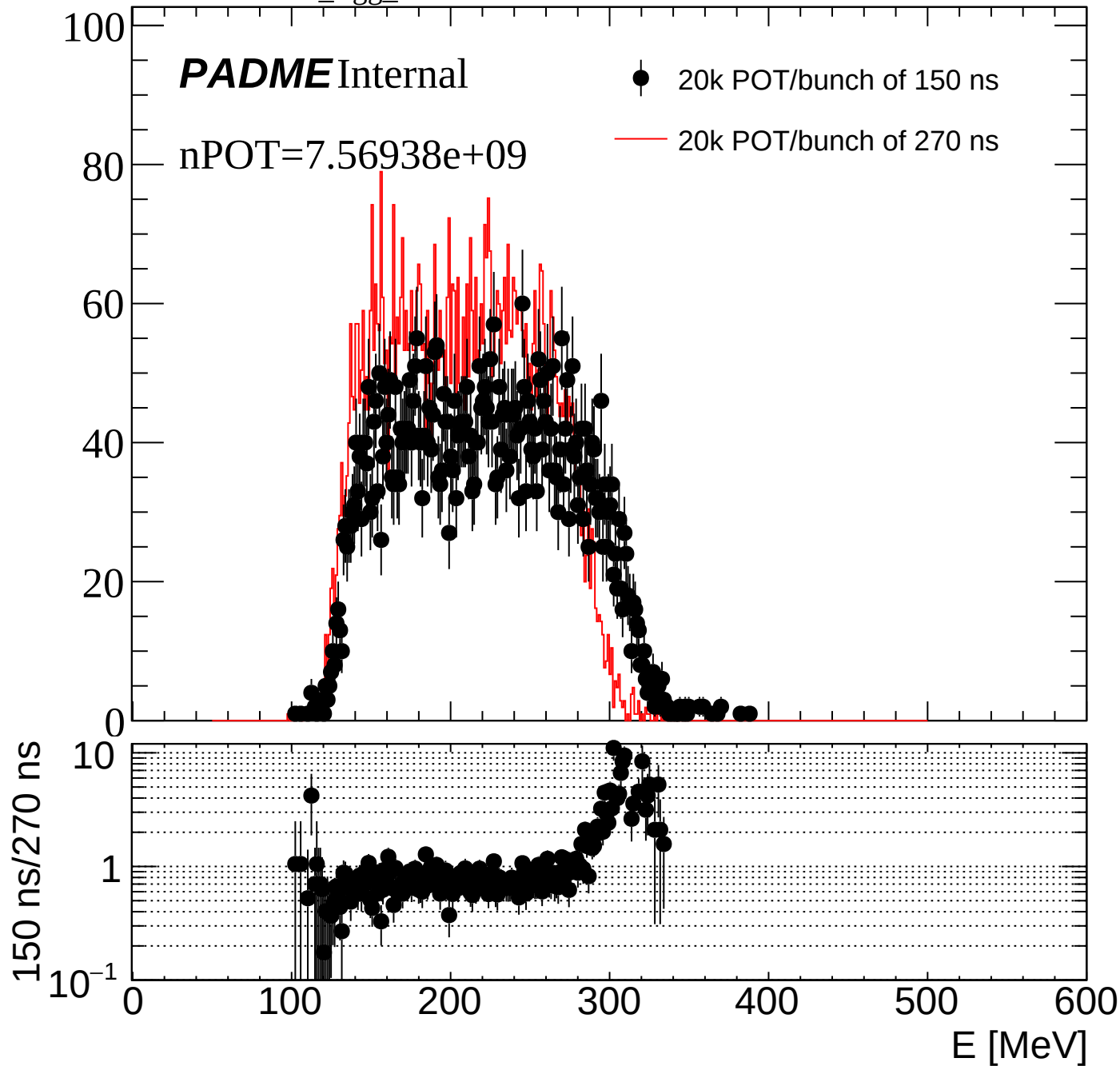
PADME Internal

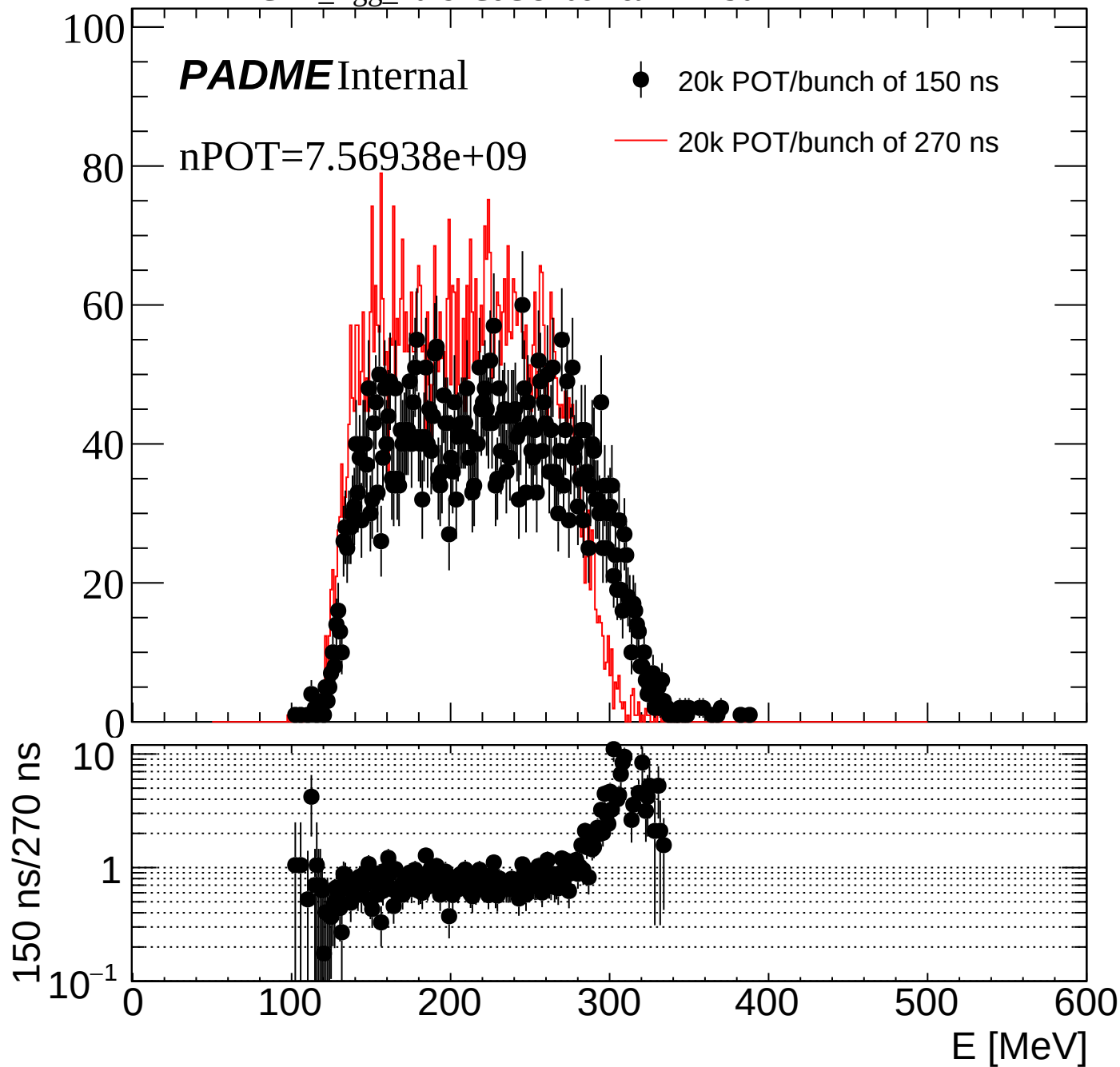
nPOT=7.56938e+09

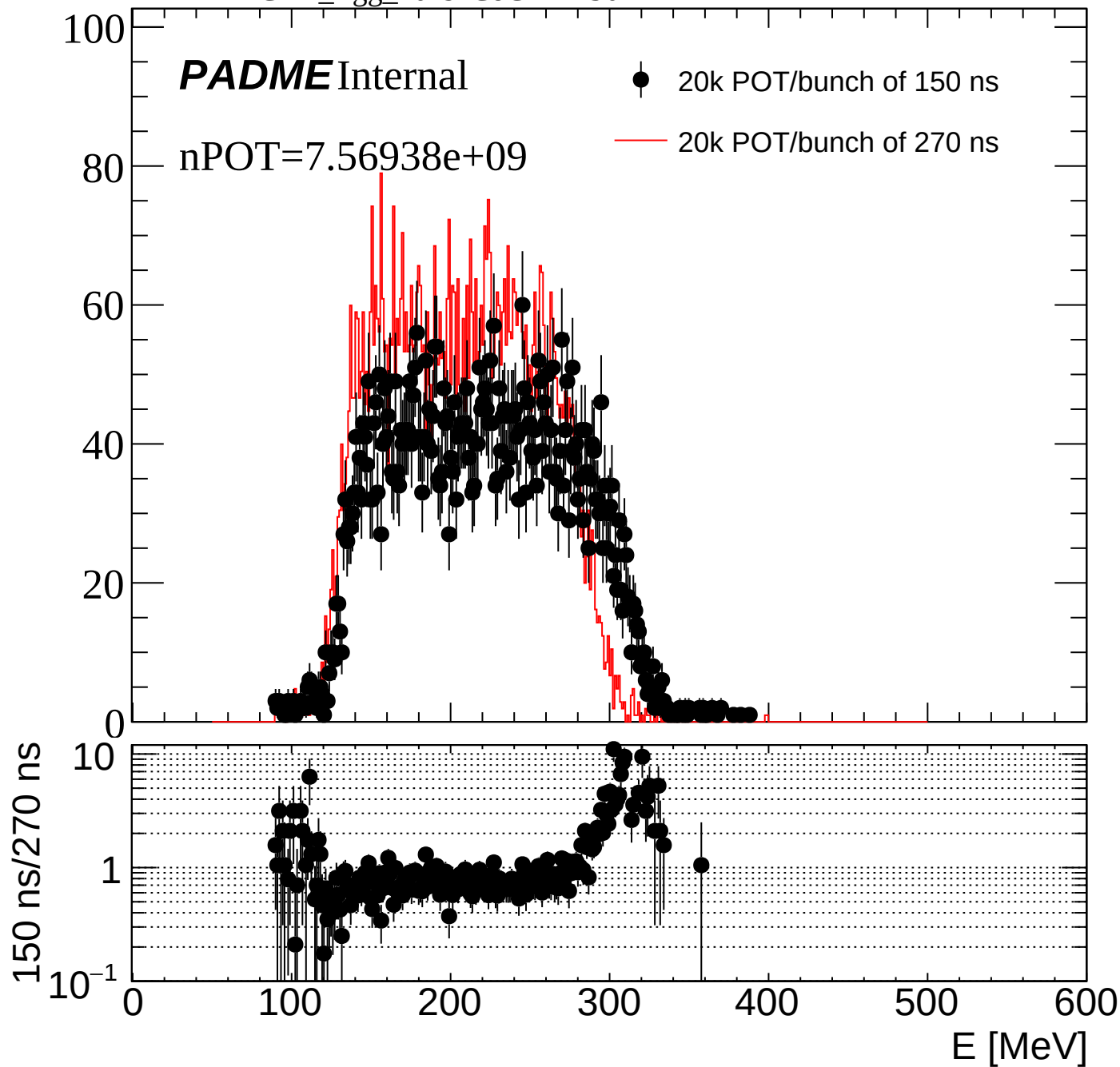
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns









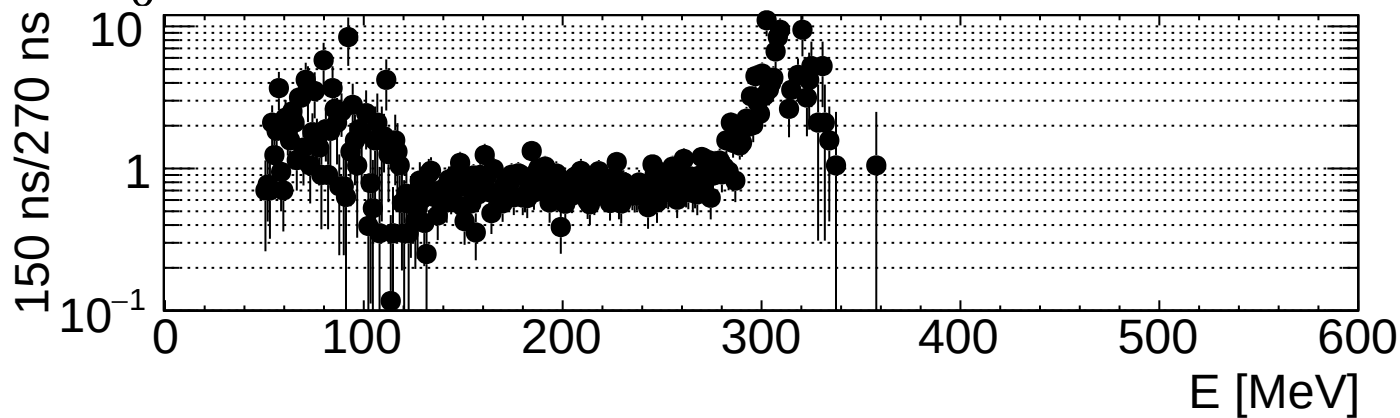
ECAL_Egg_10ns1CoG20Degree

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



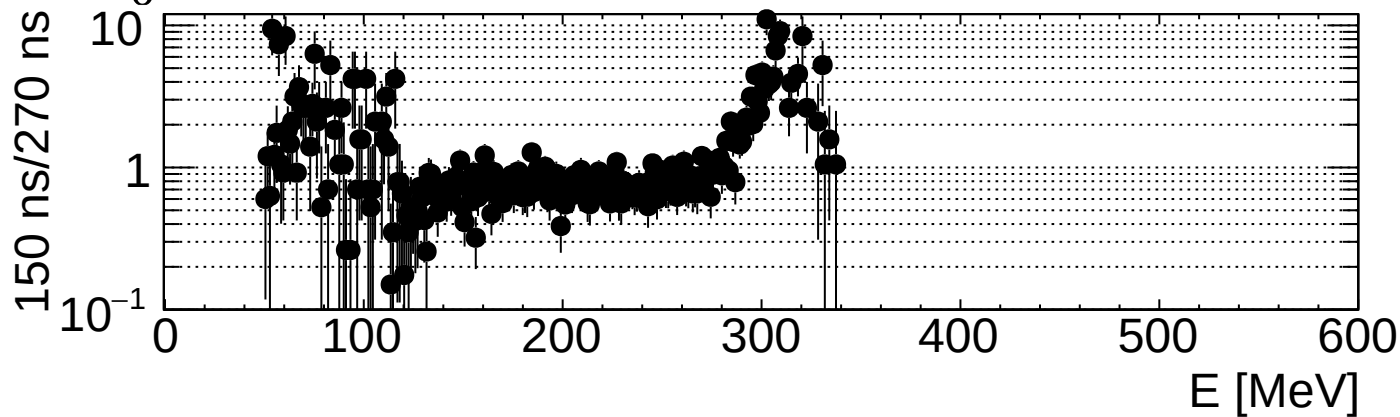
ECAL_Egg_10ns1CoG20DegreeDeltaTheta

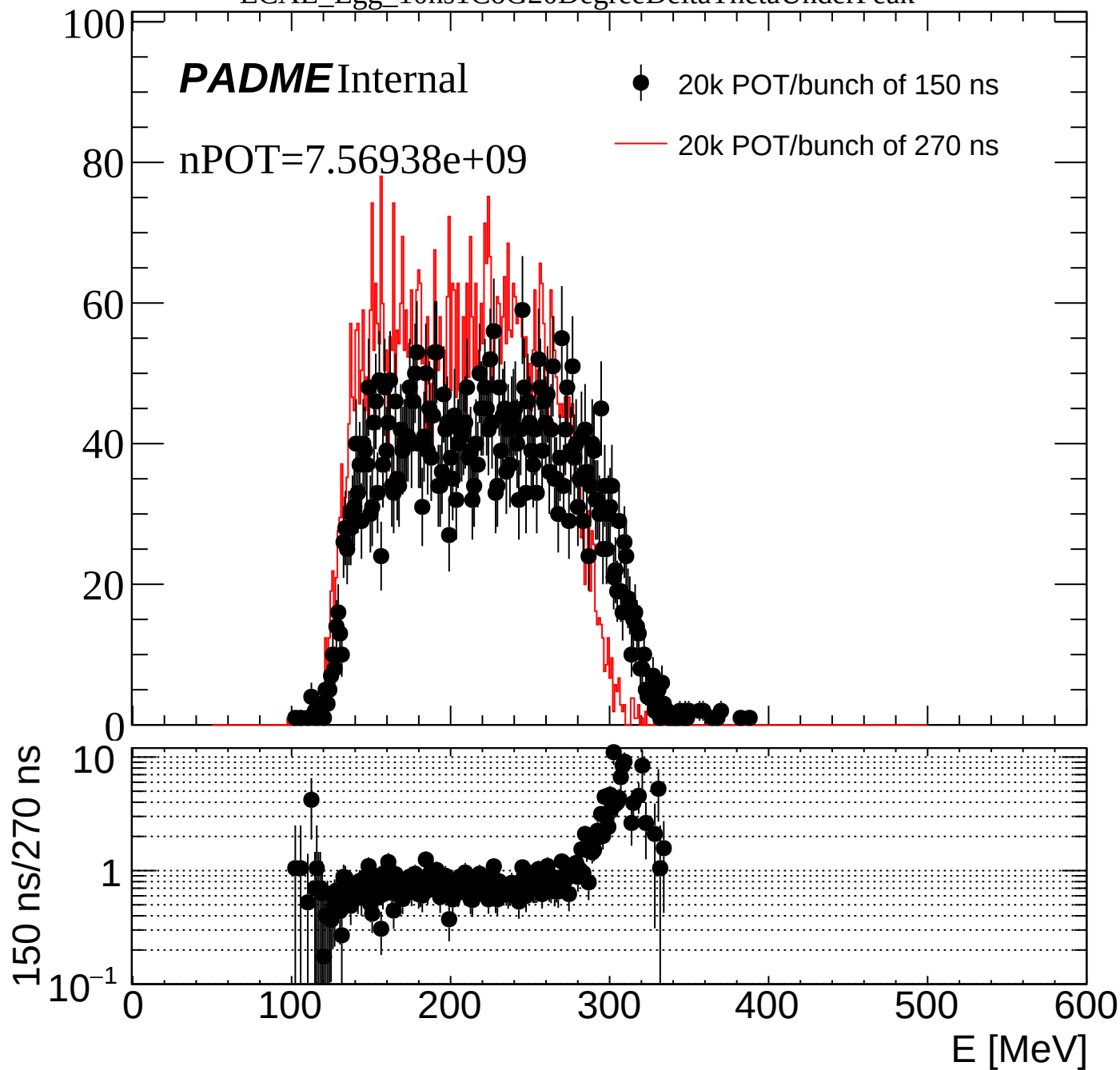
PADME Internal

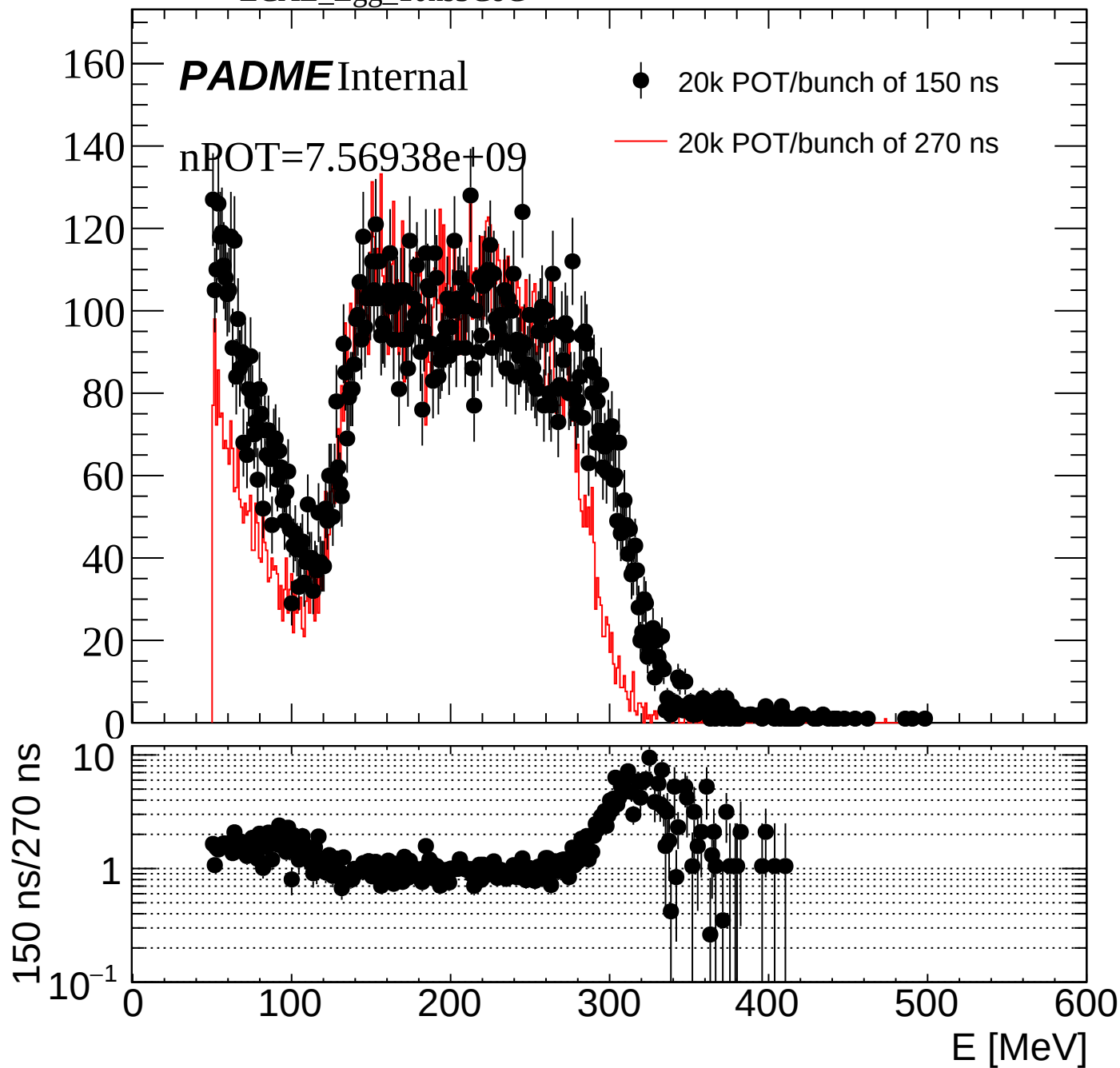
nPOT=7.56938e+09

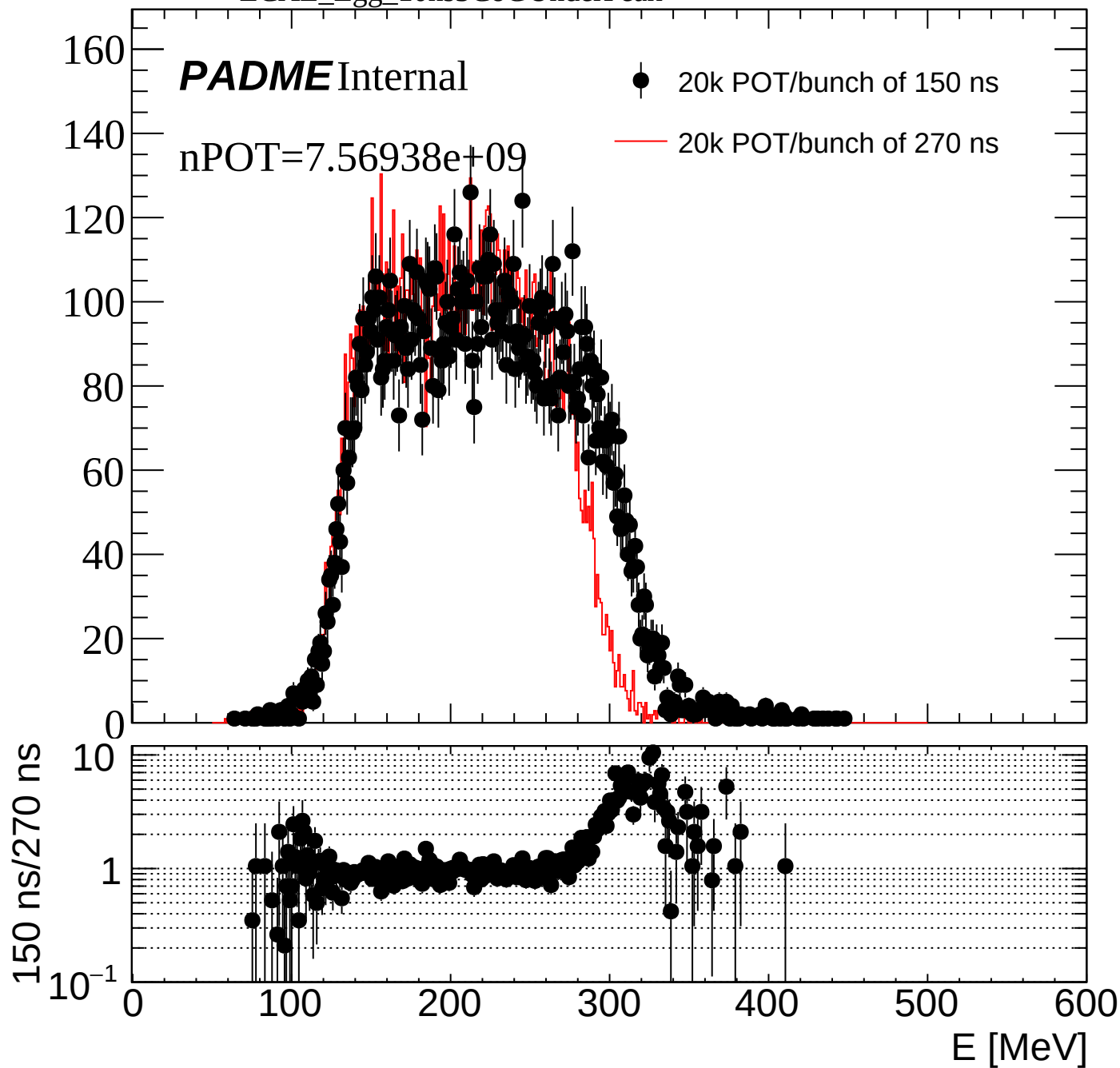
● 20k POT/bunch of 150 ns

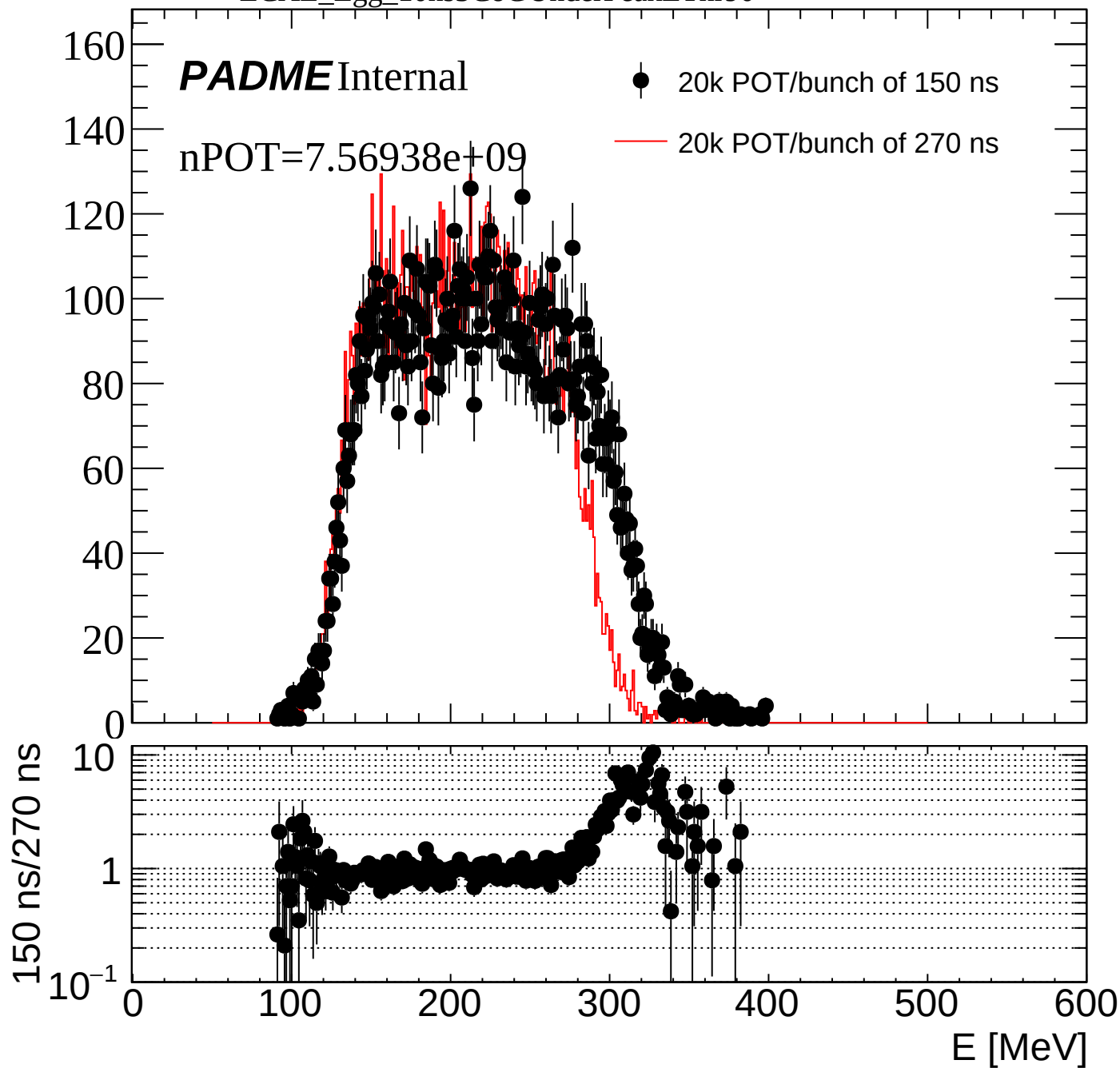
— 20k POT/bunch of 270 ns

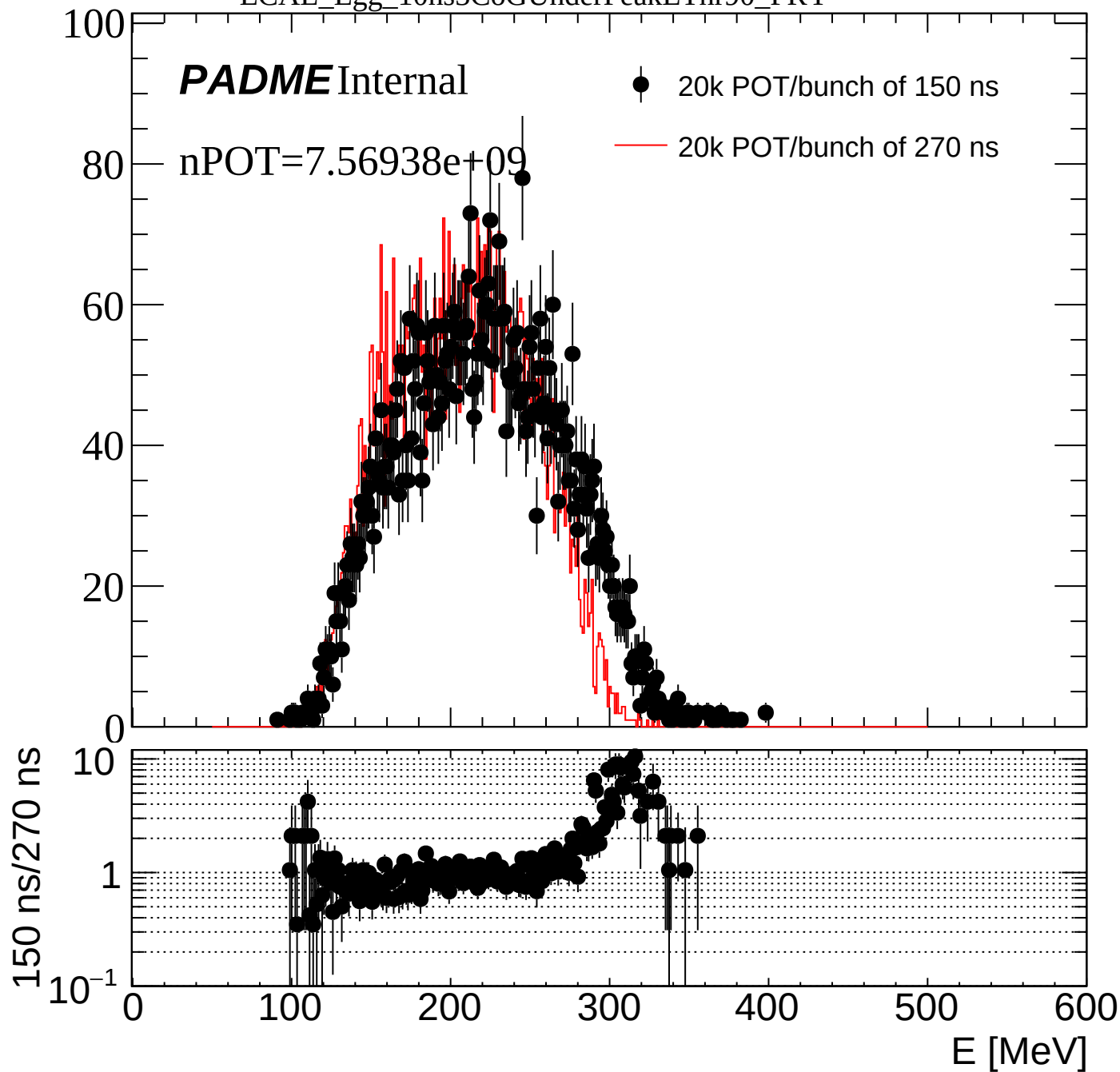


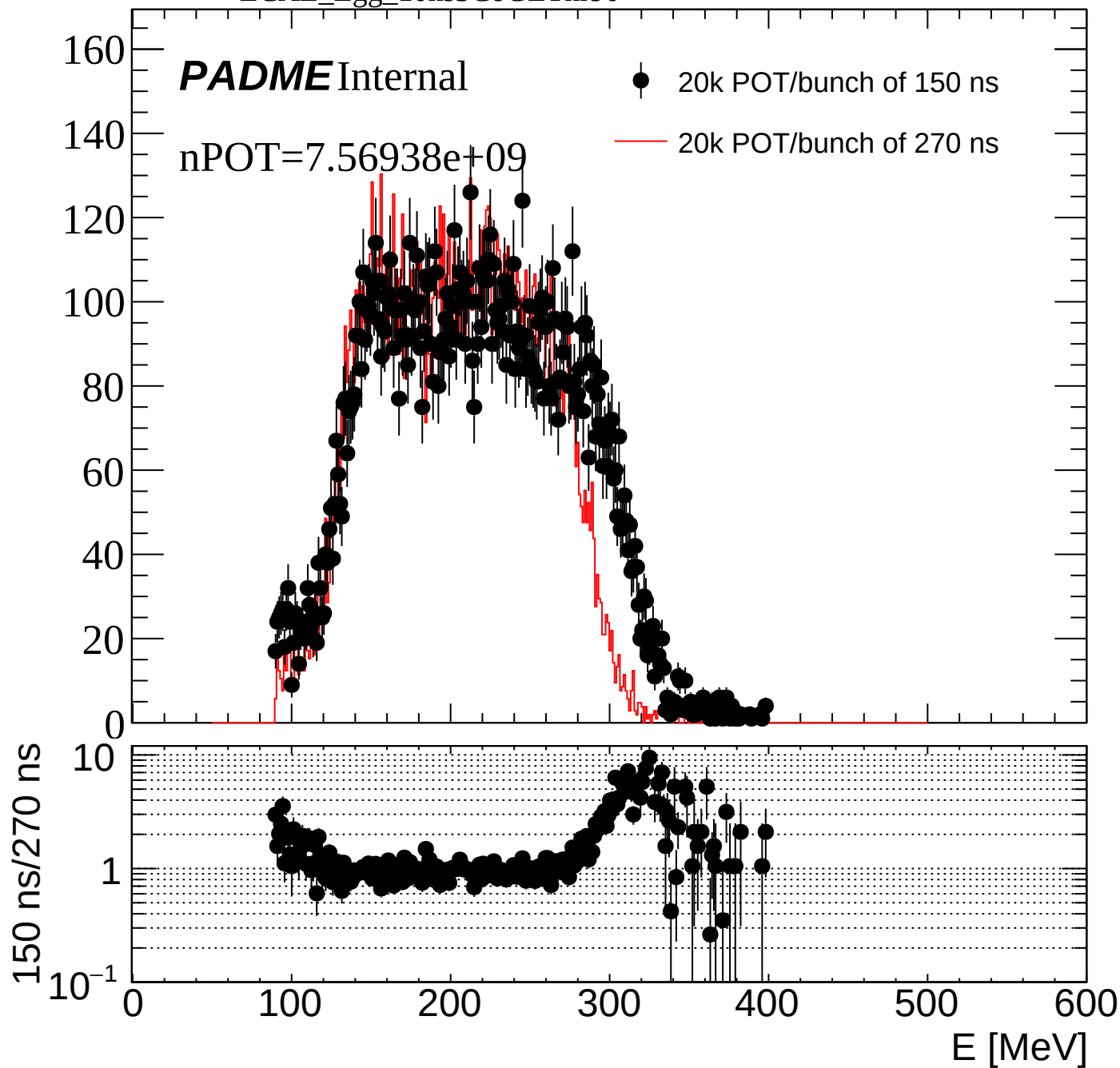




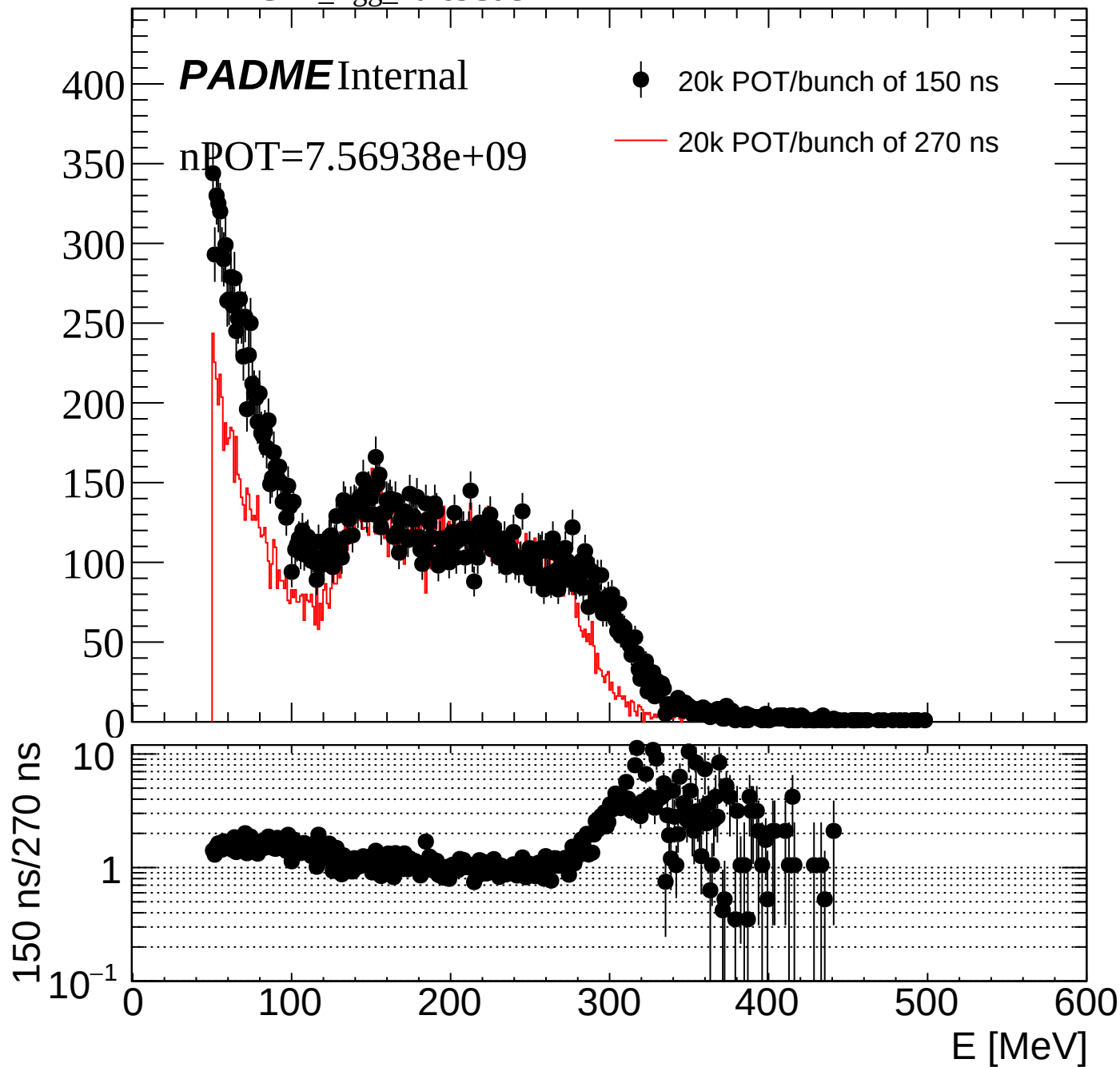


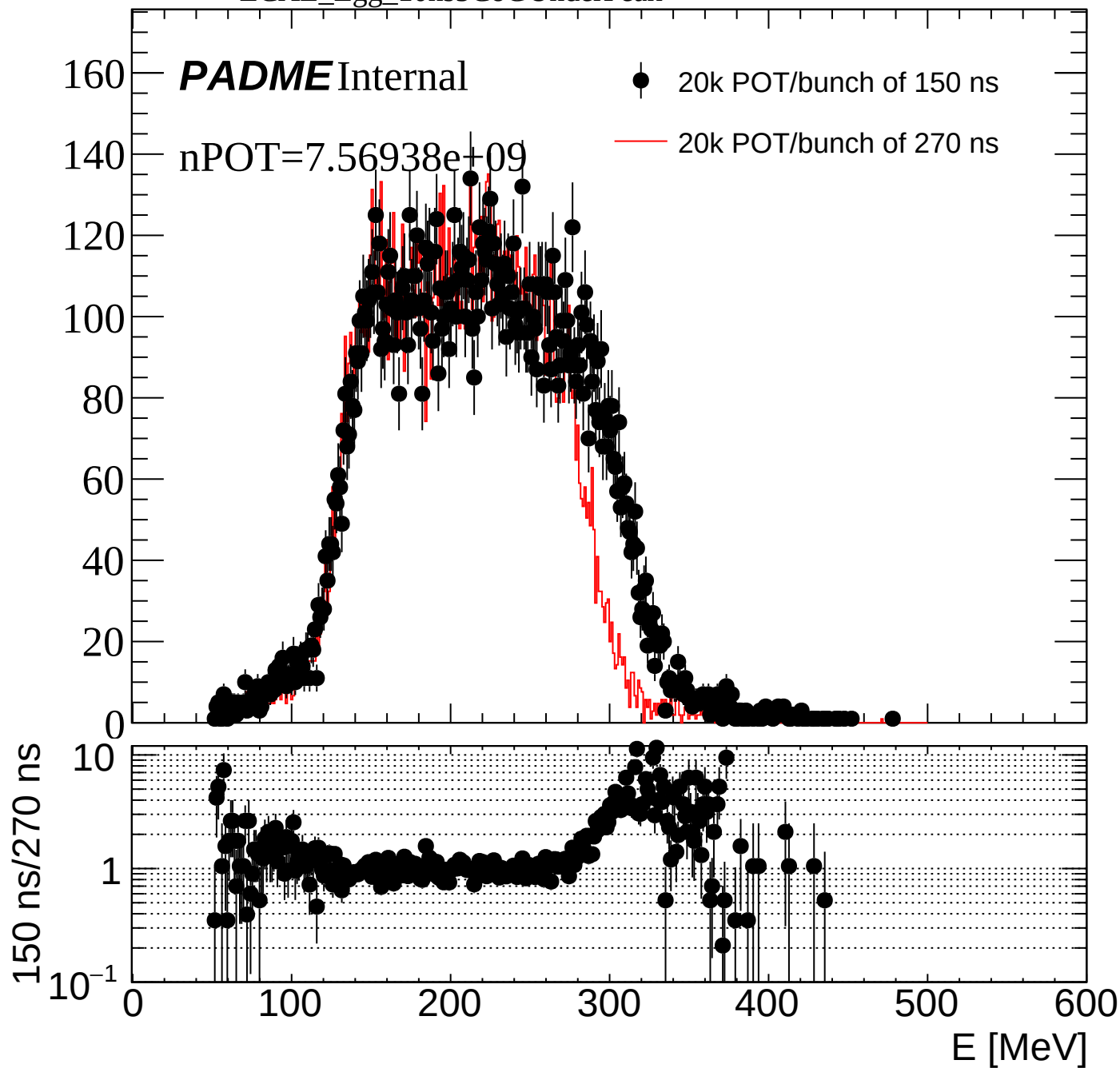


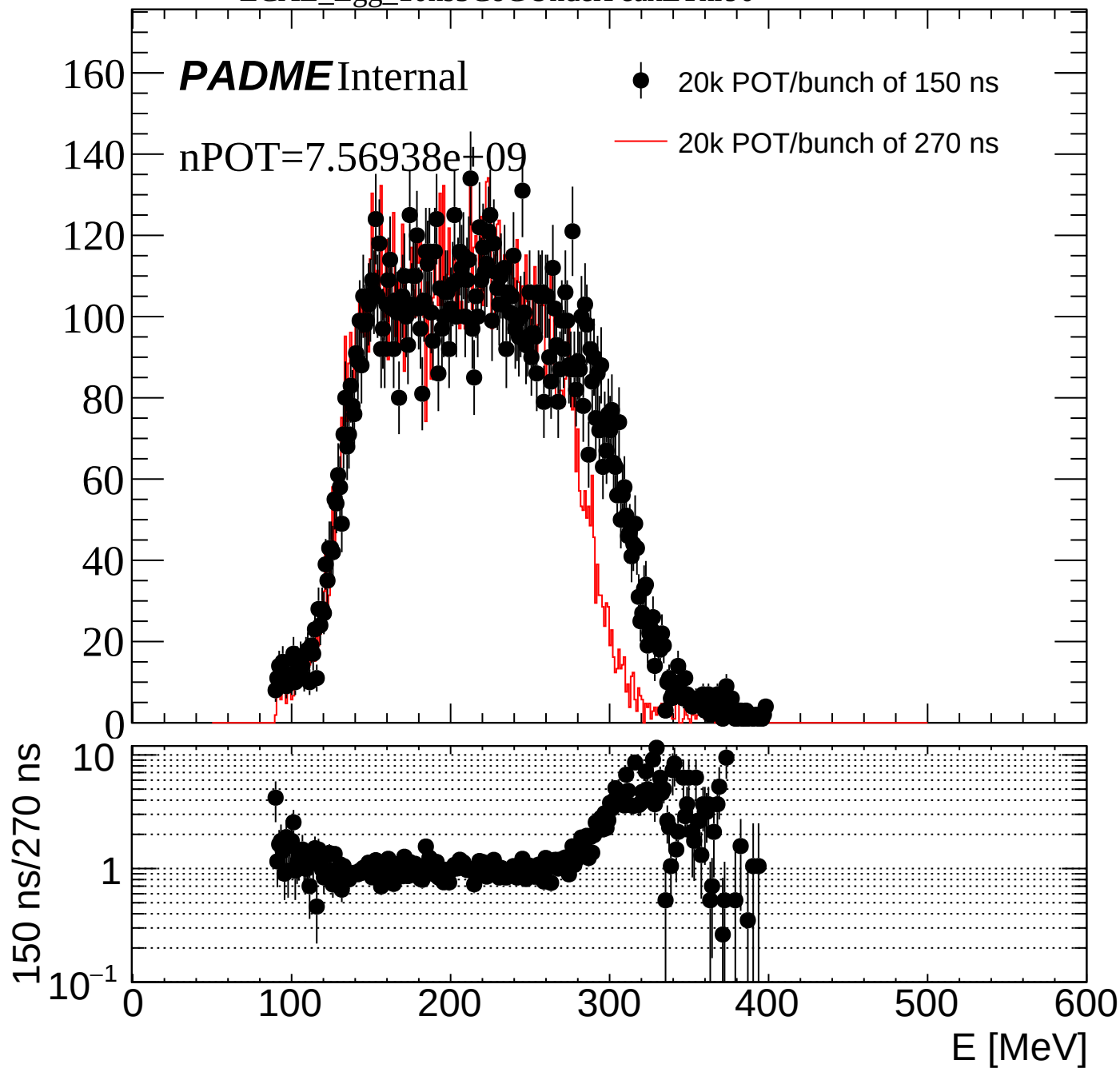


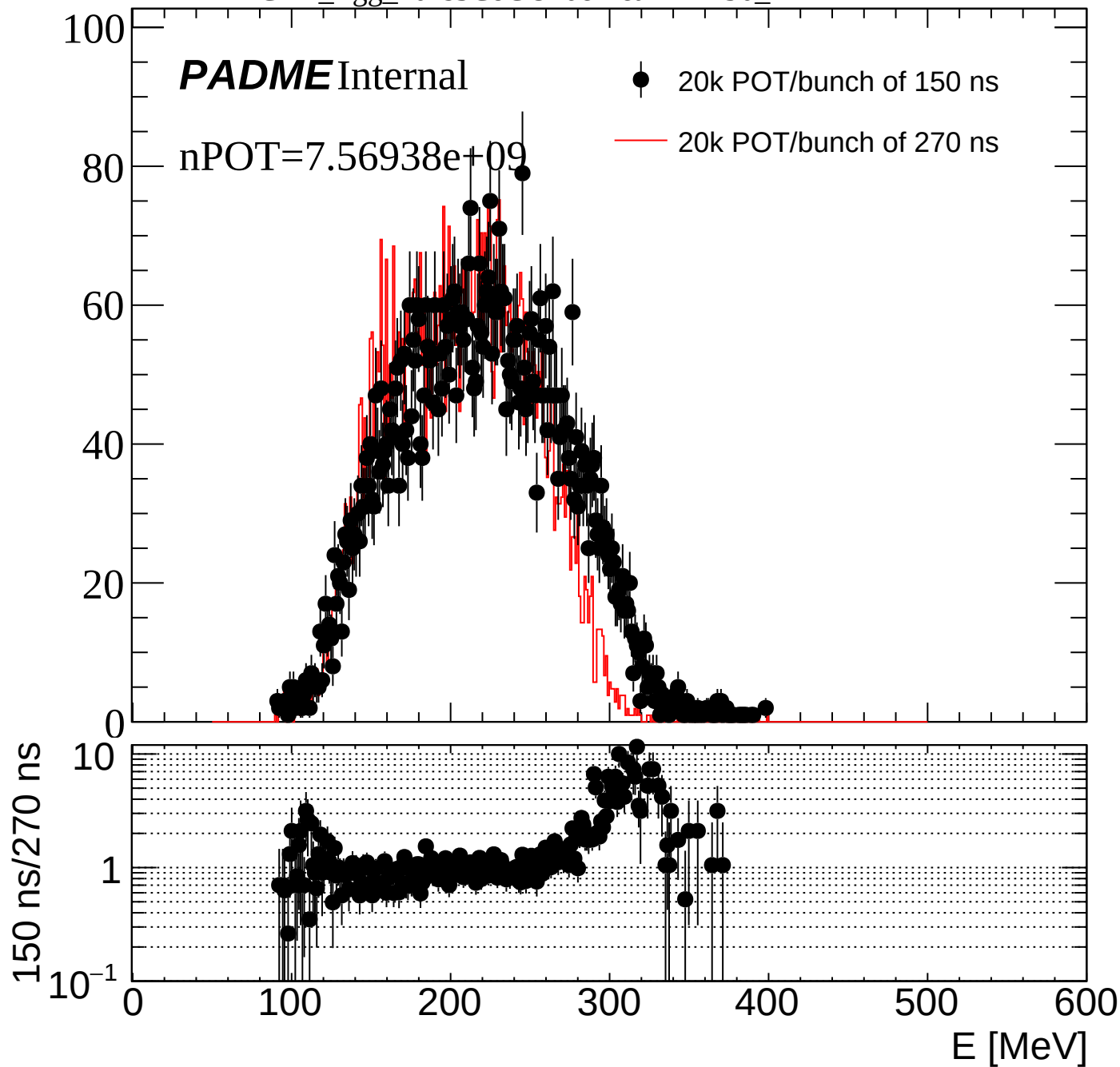


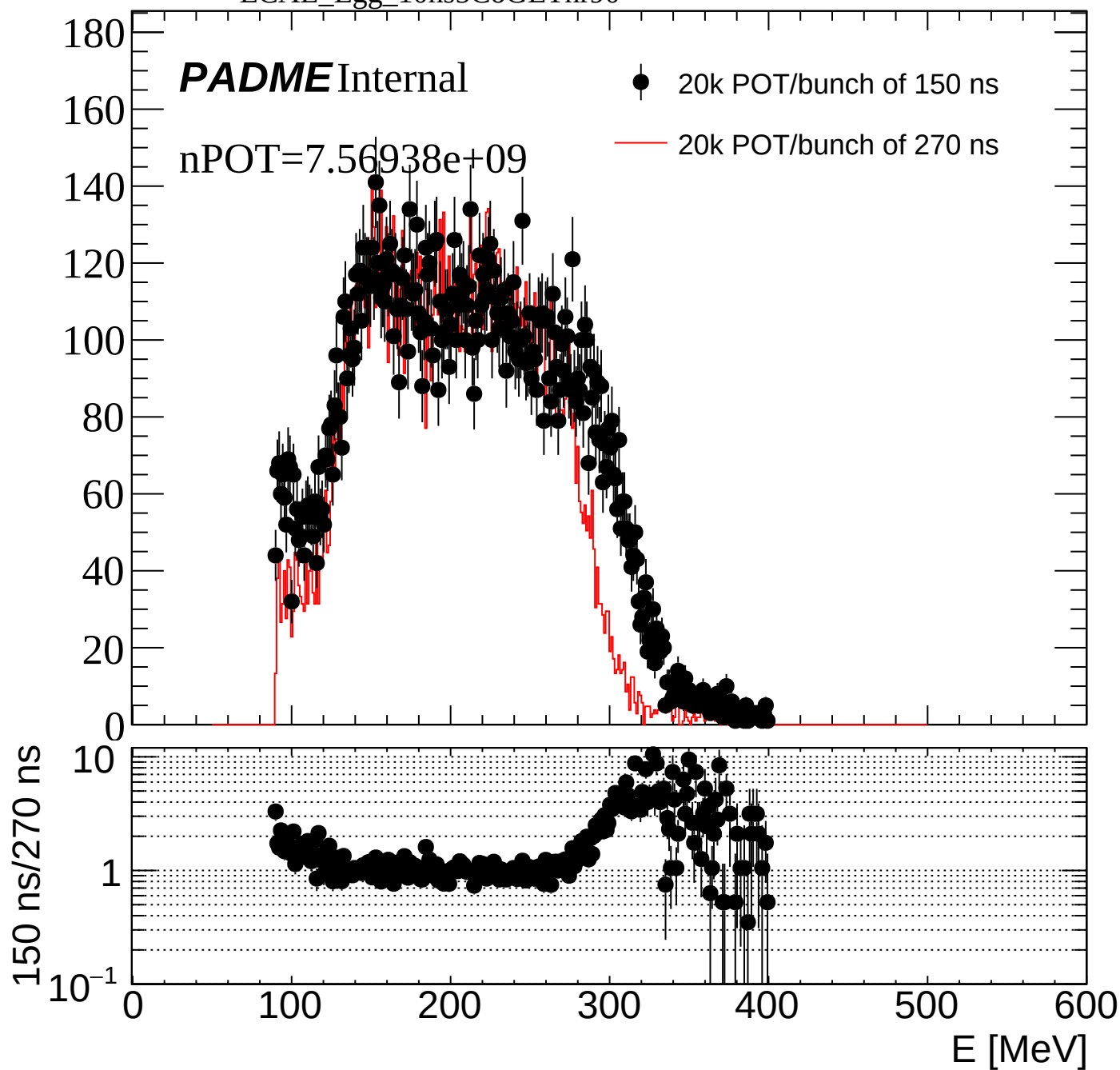
ECAL_Egg_10ns5CoG

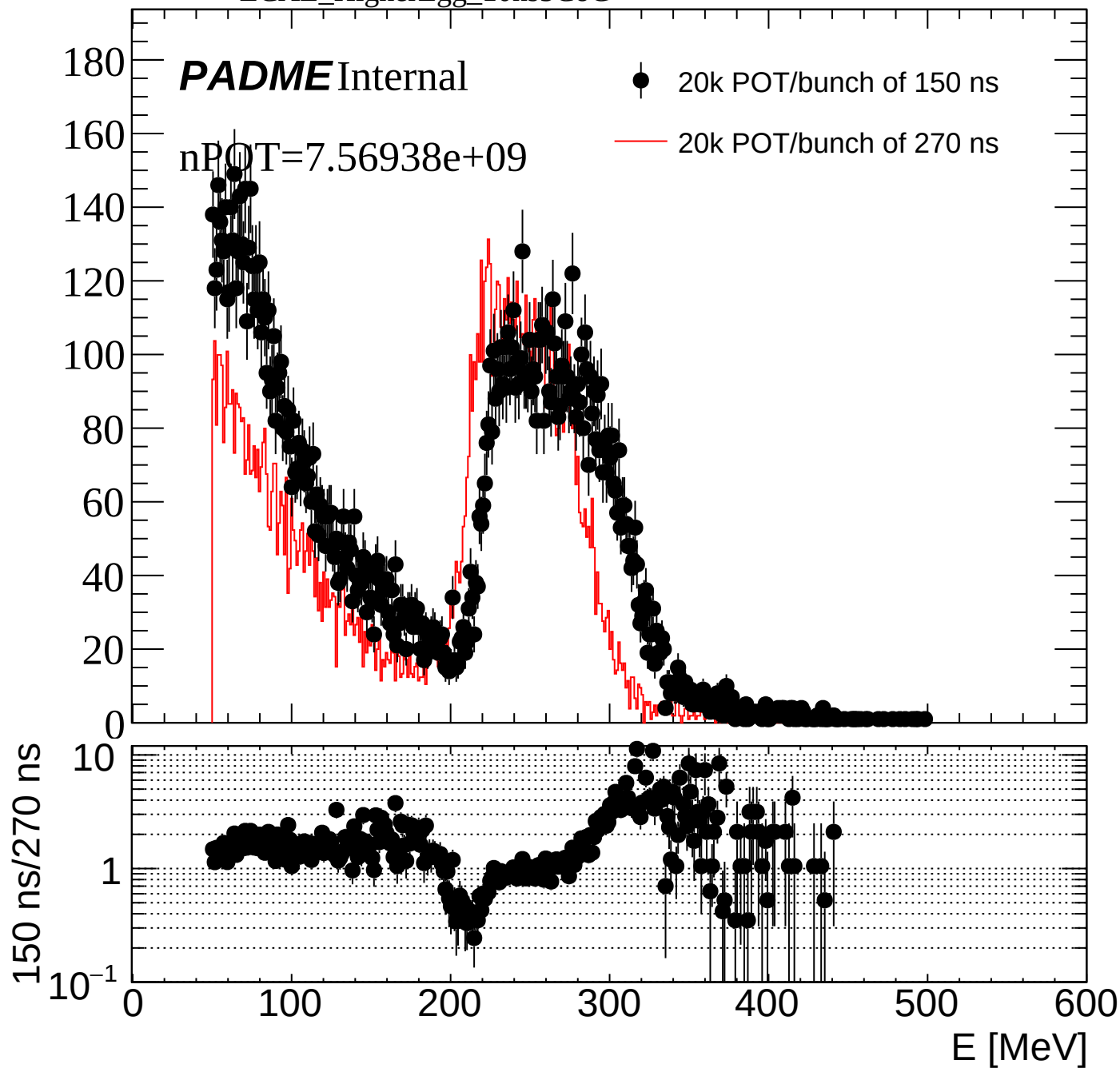


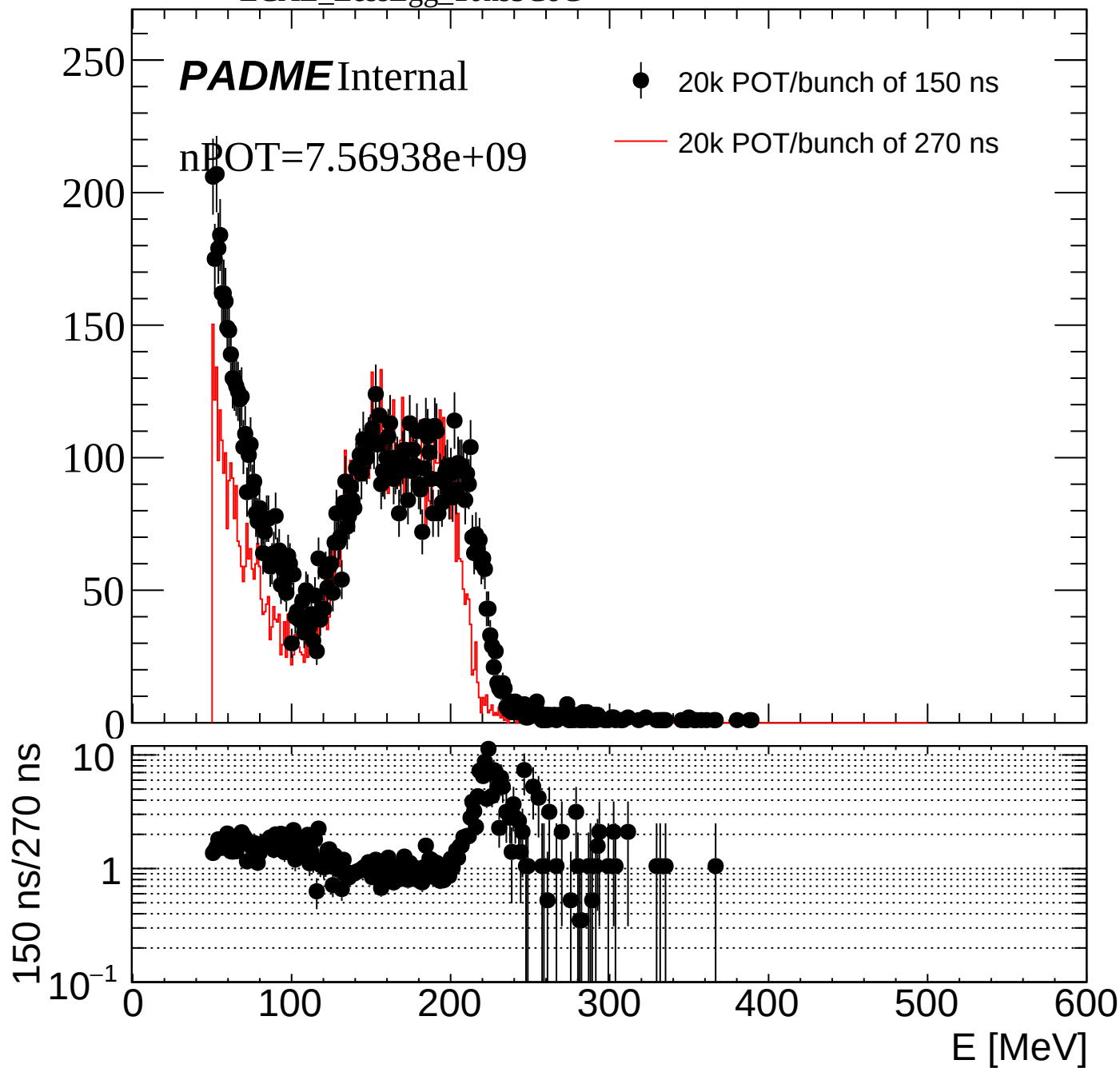


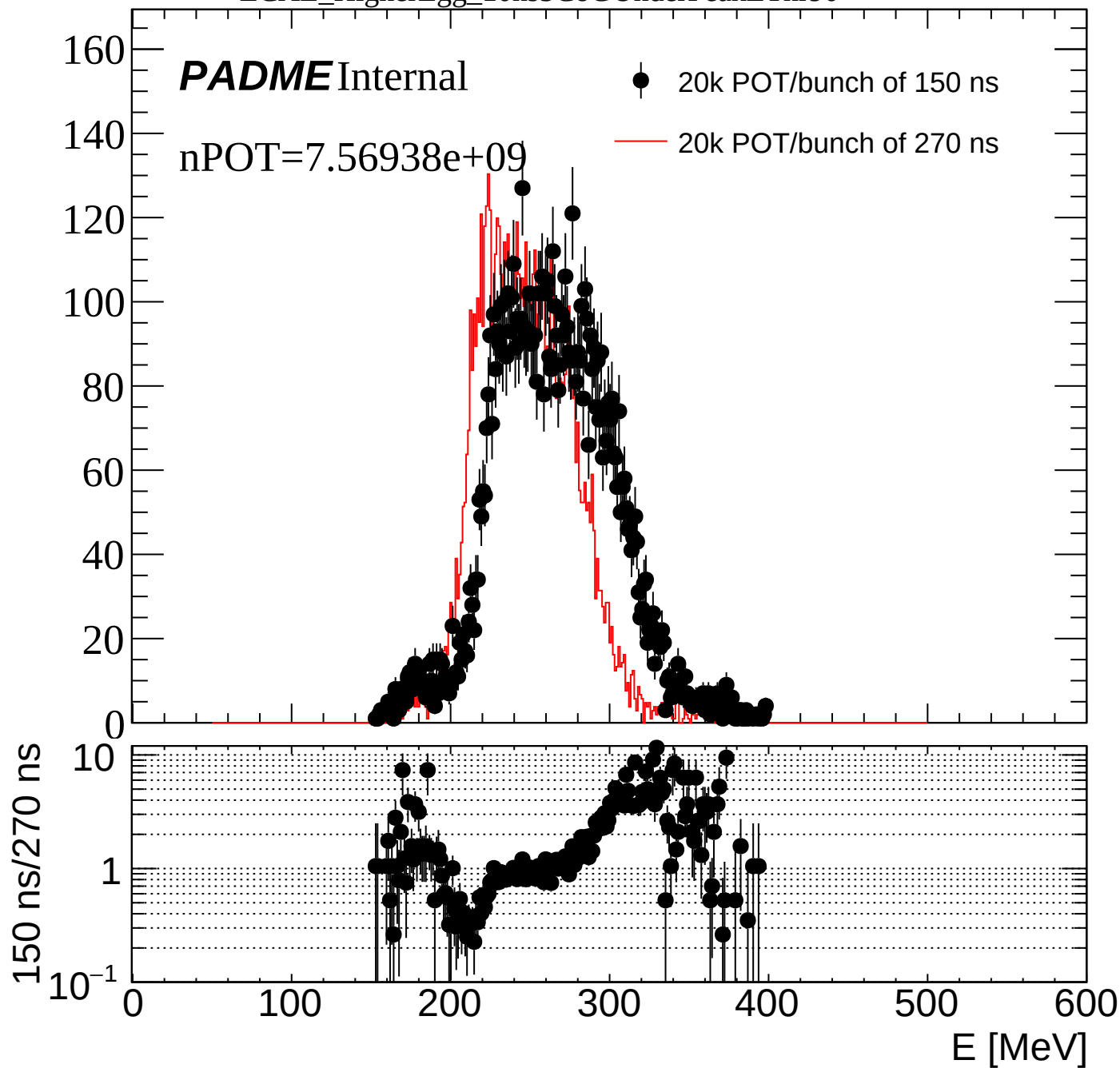


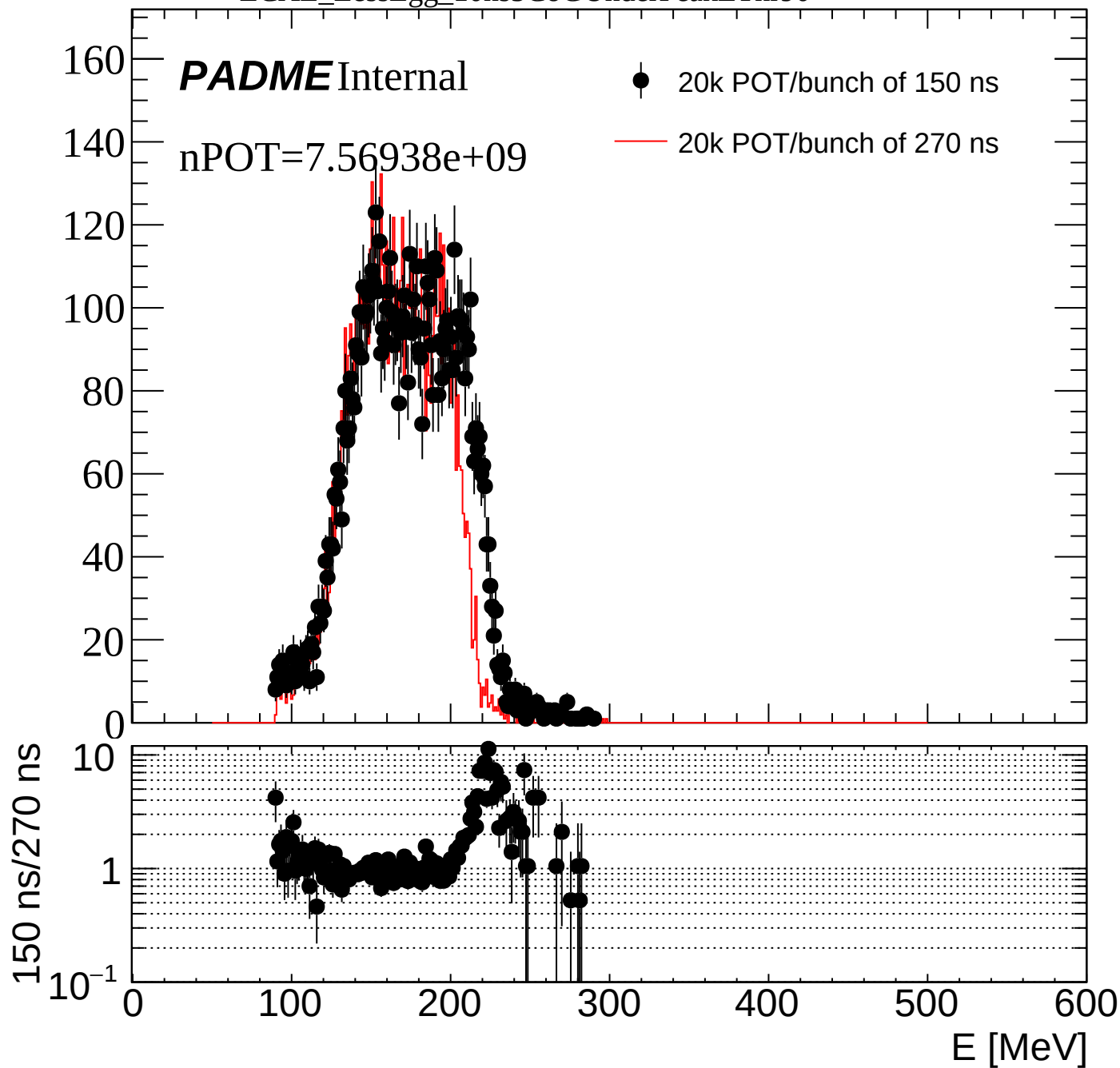


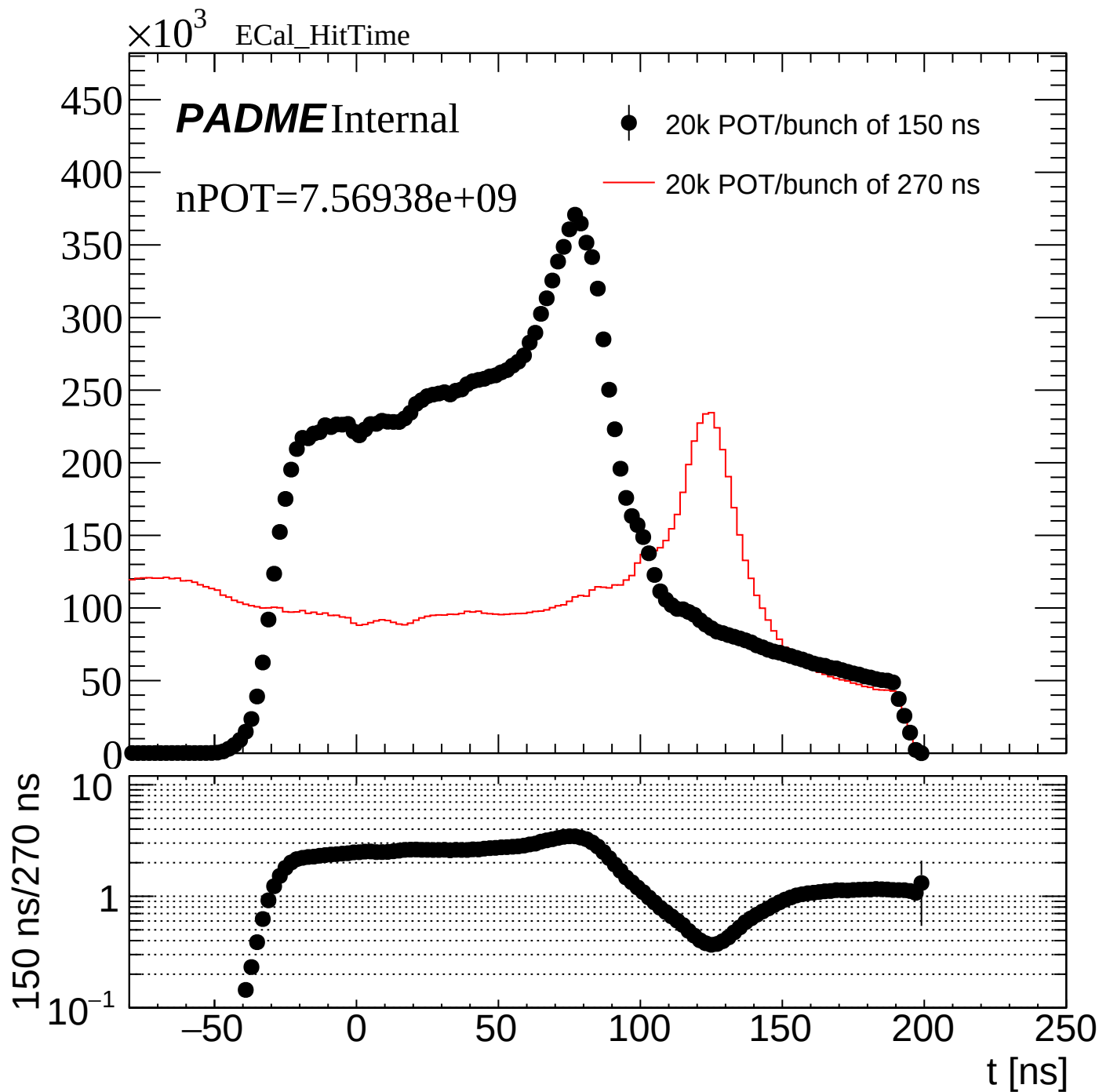




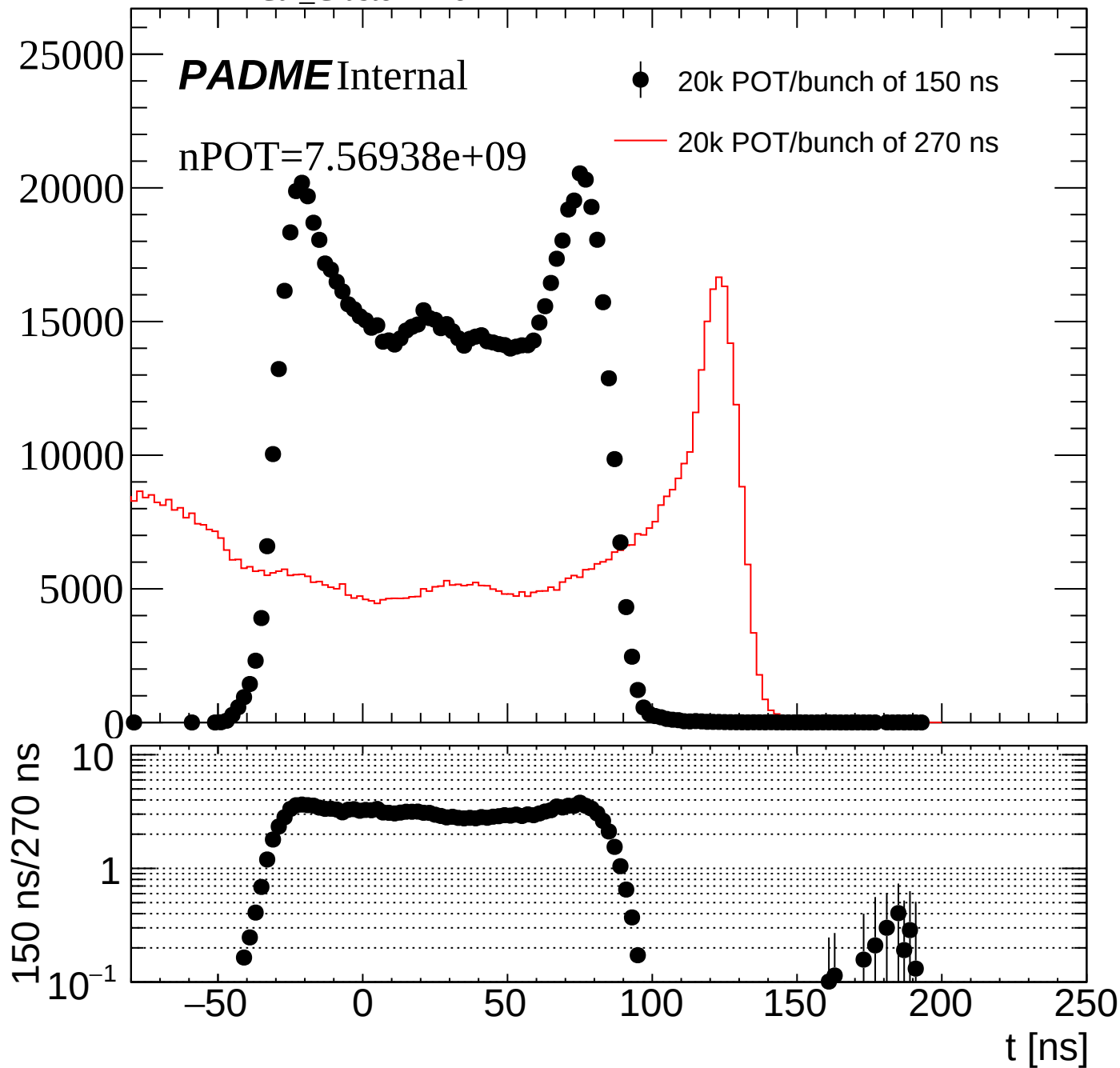








ECal_ClusterTime



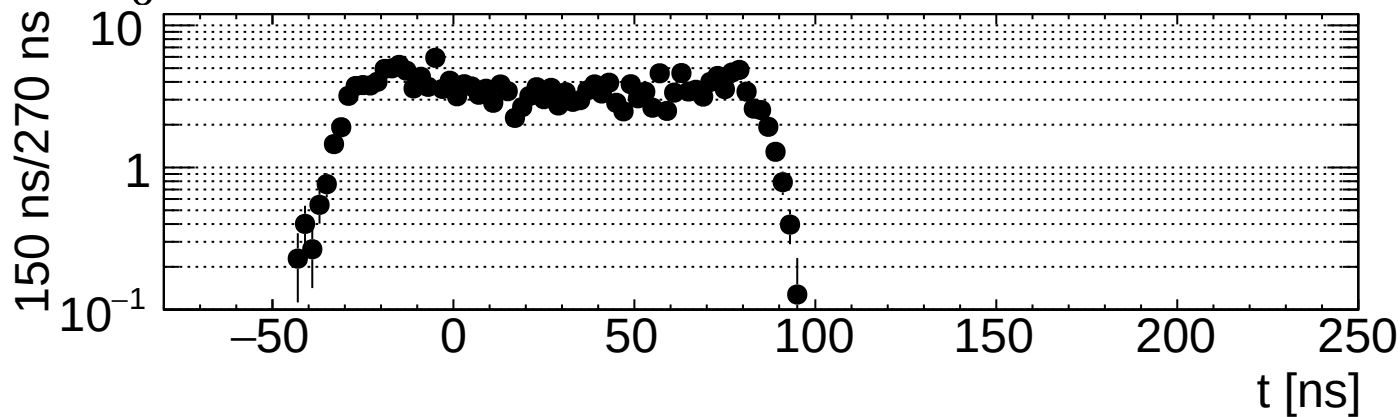
ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADME Internal

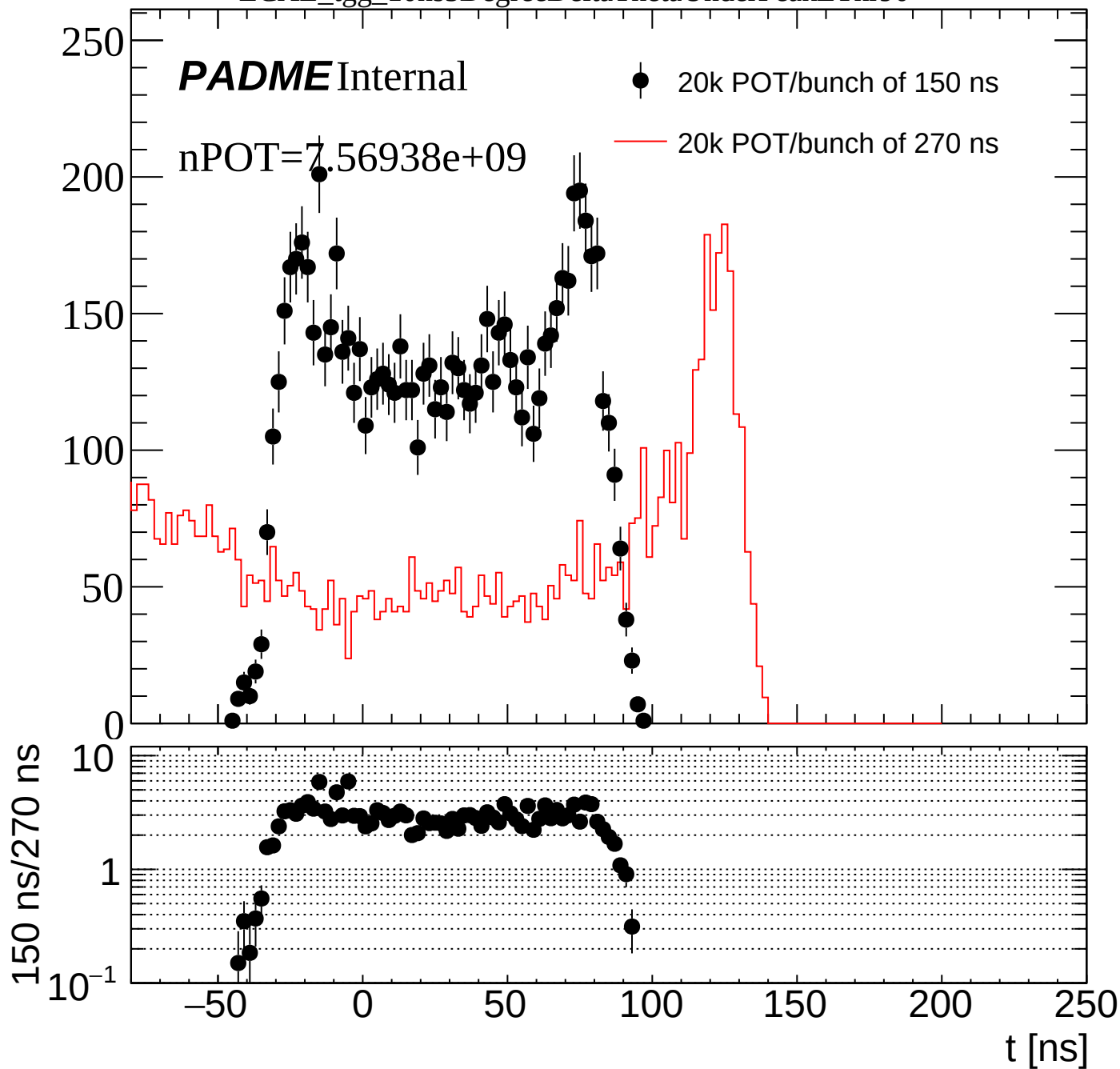
nPOT=7.56938e+09

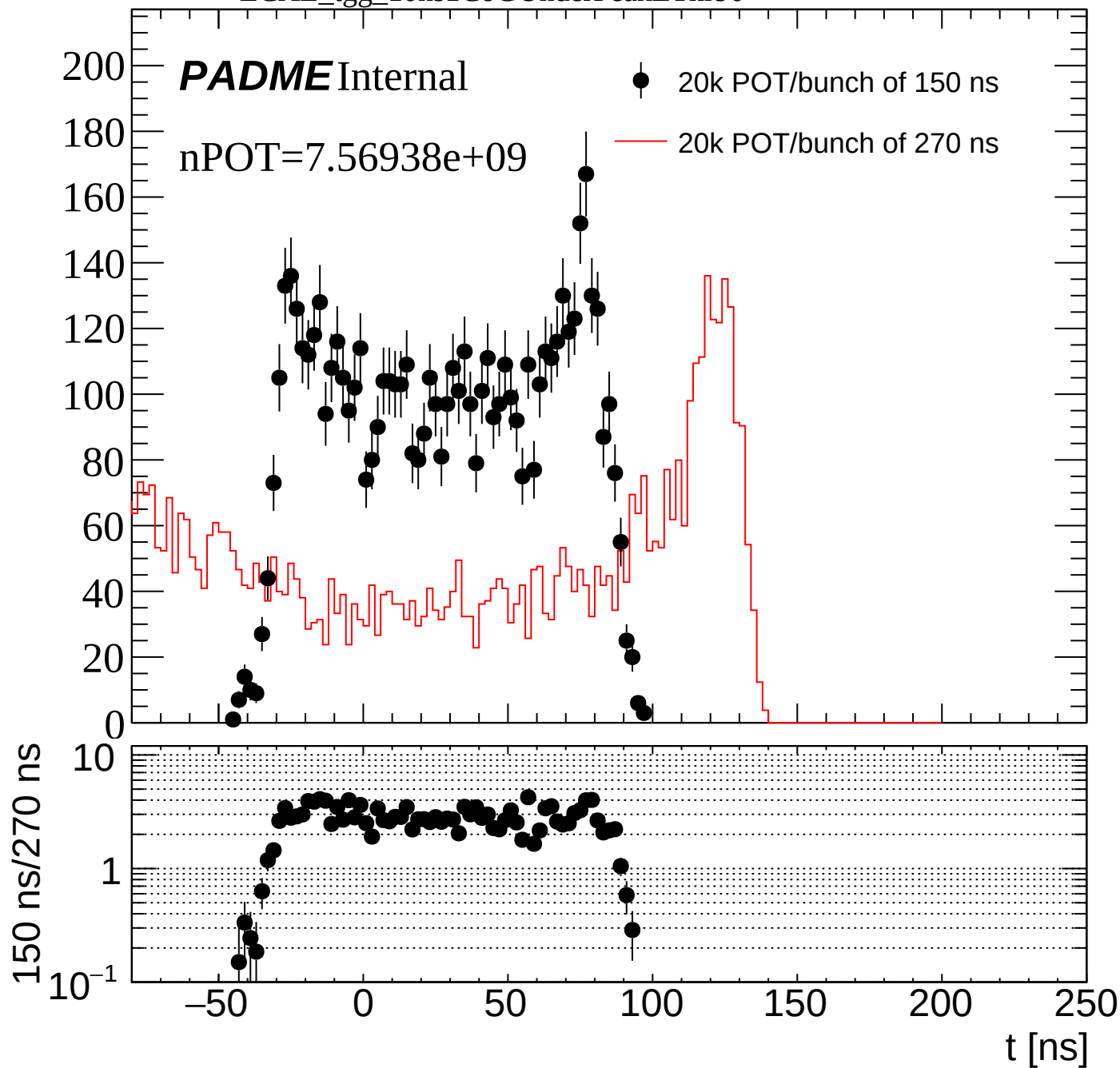
● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90





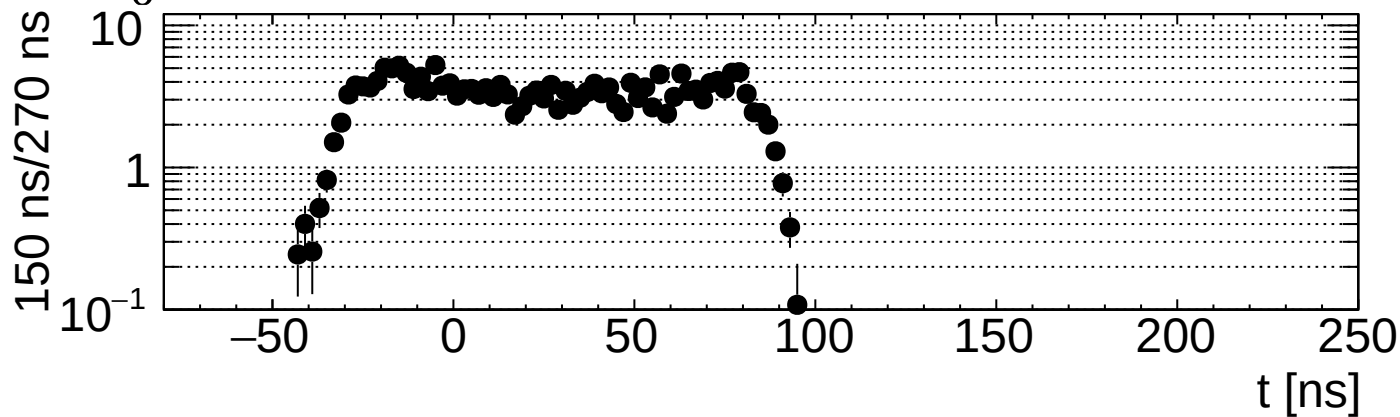
ECAL_tgg_10ns3CoGUnderPeakEThr90

PADME Internal

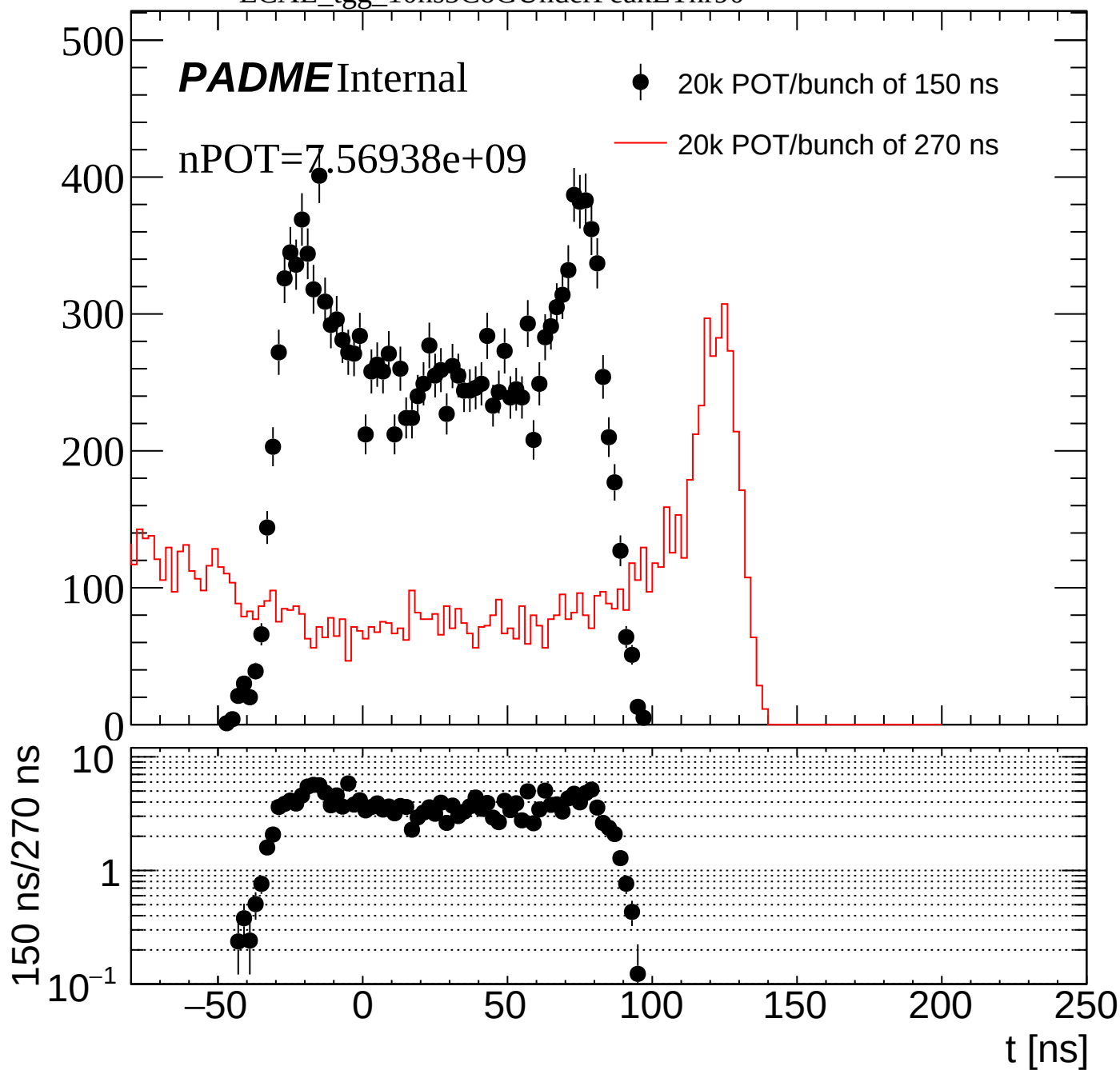
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_tgg_10ns5CoGUnderPeakEThr90



ECal_xCoG_10ns

1000

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

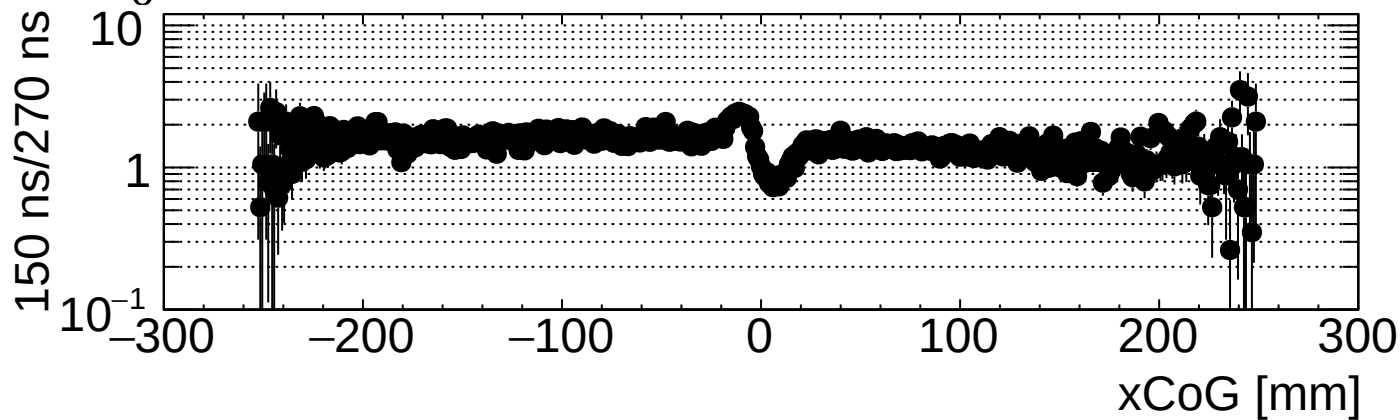
800

600

400

200

0



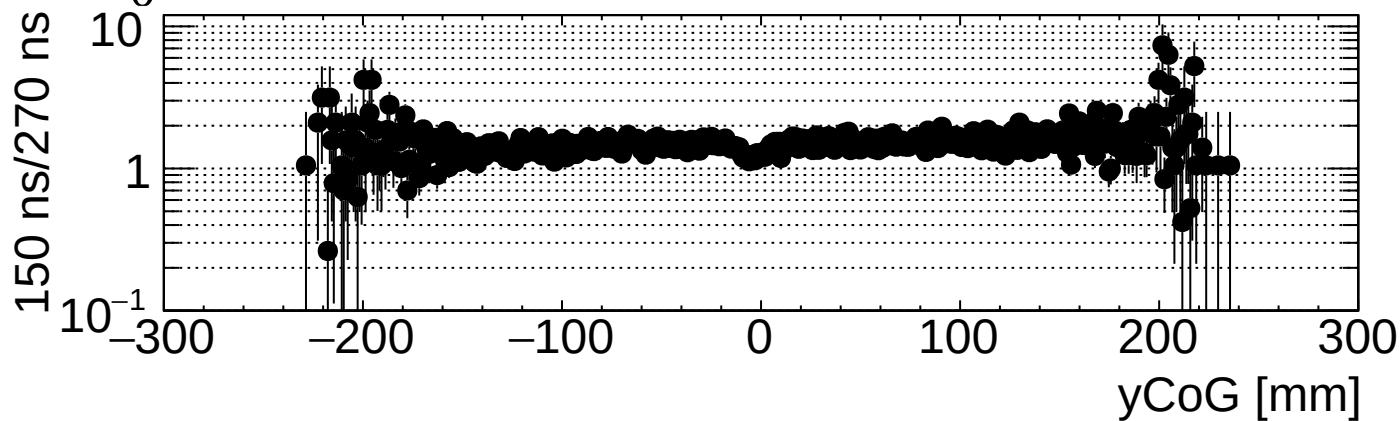
Ecal_yCoG_10ns

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



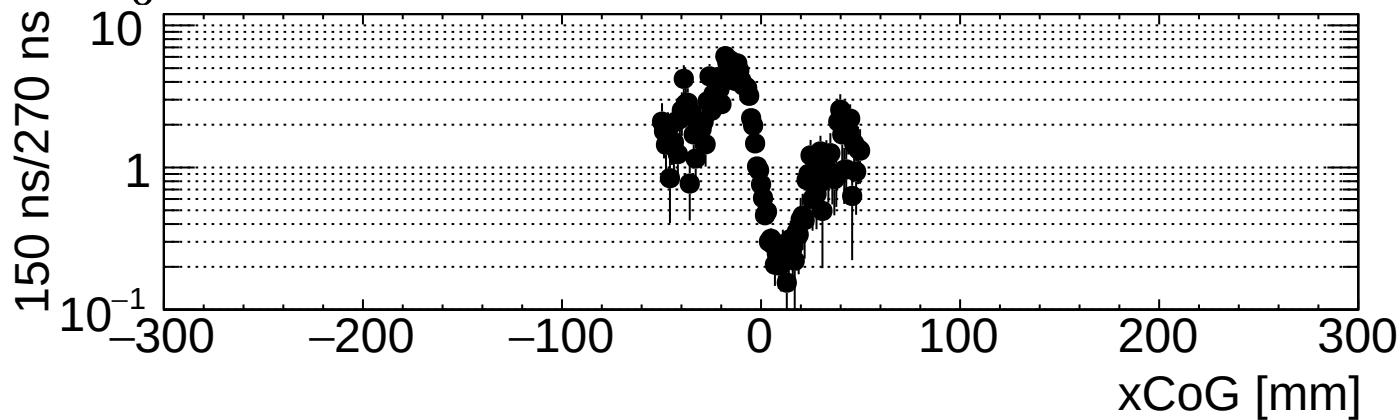
ECAL_xCoGgg_10ns5CoGUnderPeakEThr90

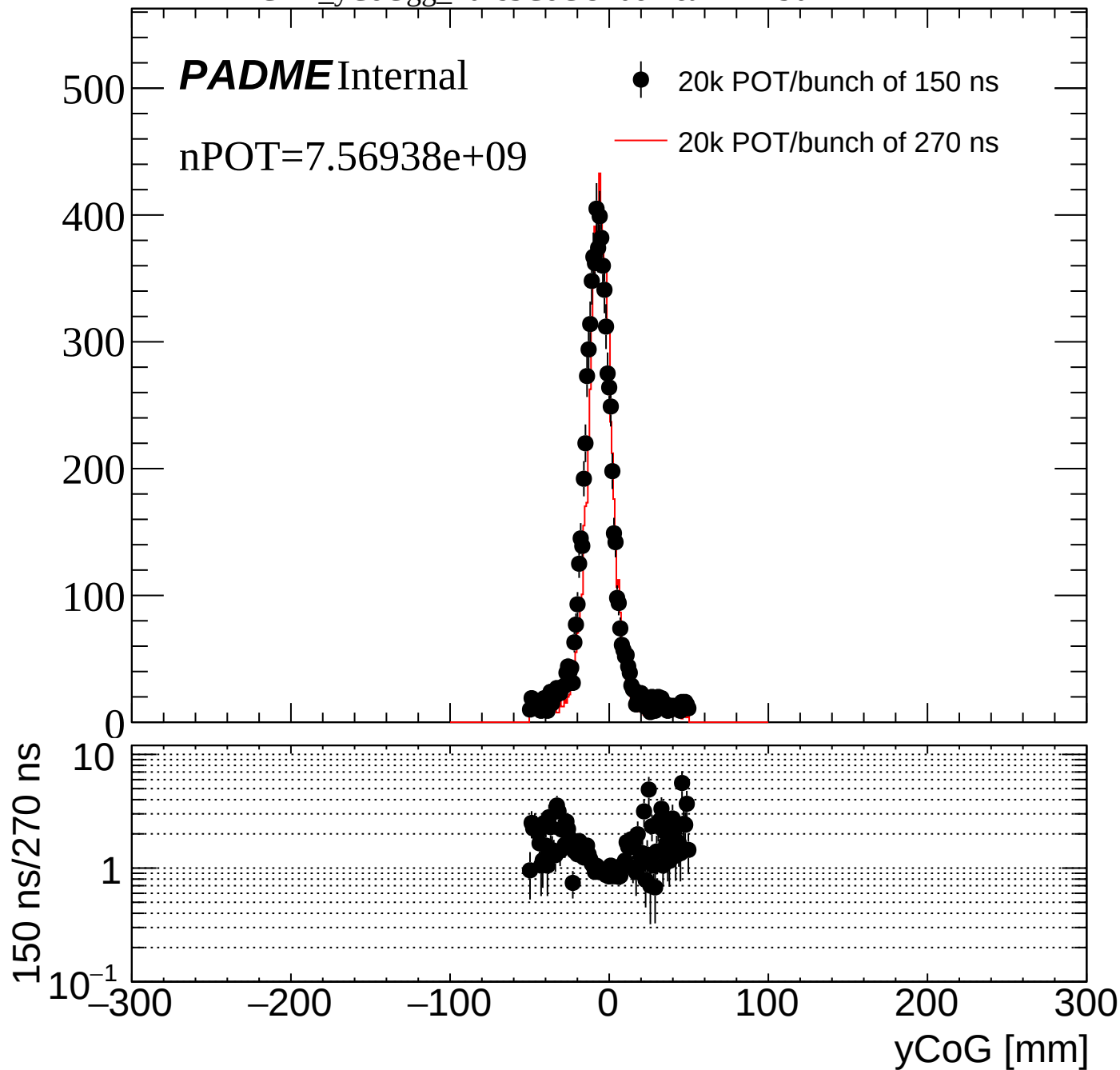
PADME Internal

nPOT=7.56938e+09

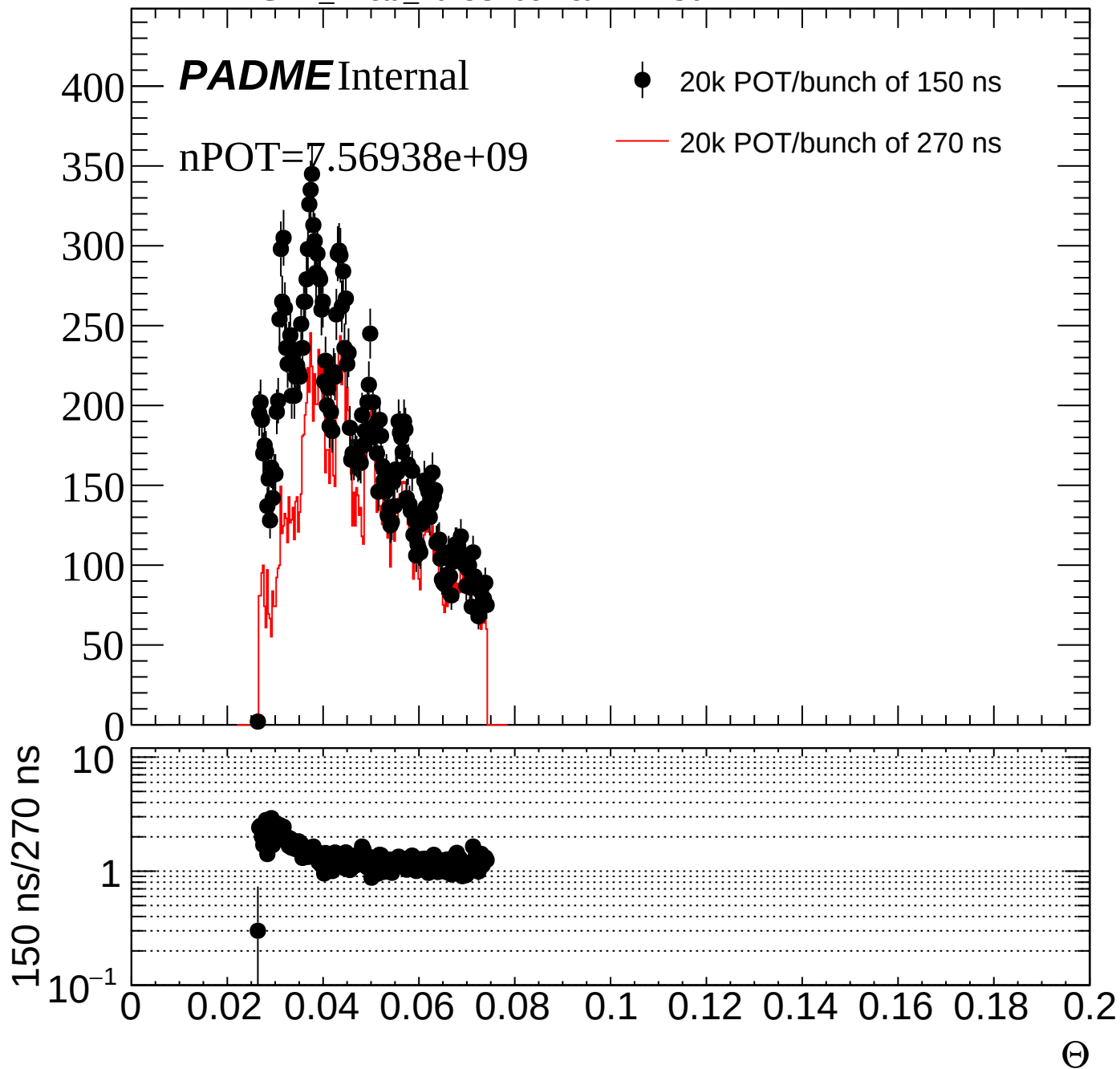
● 20k POT/bunch of 150 ns

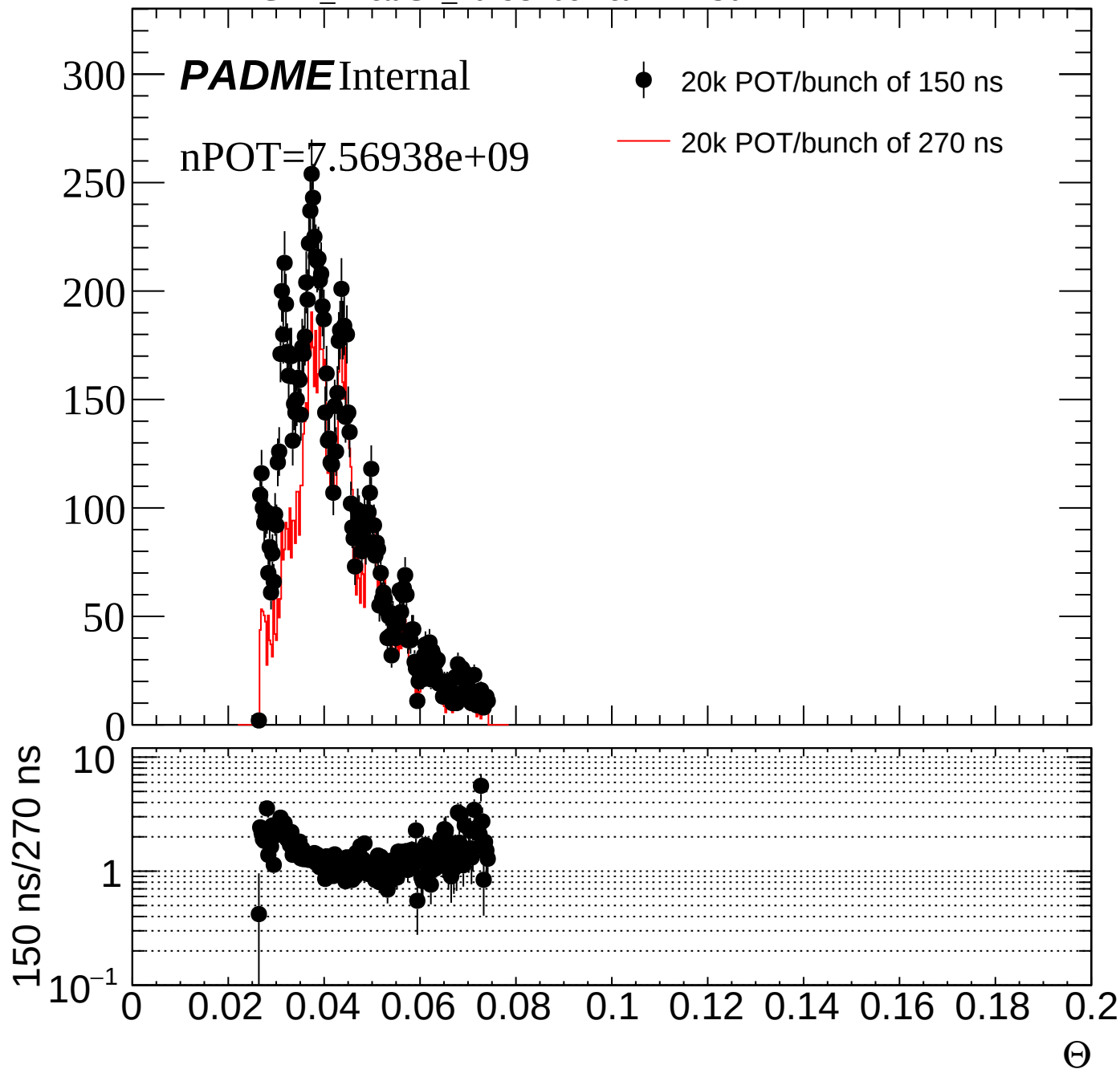
— 20k POT/bunch of 270 ns



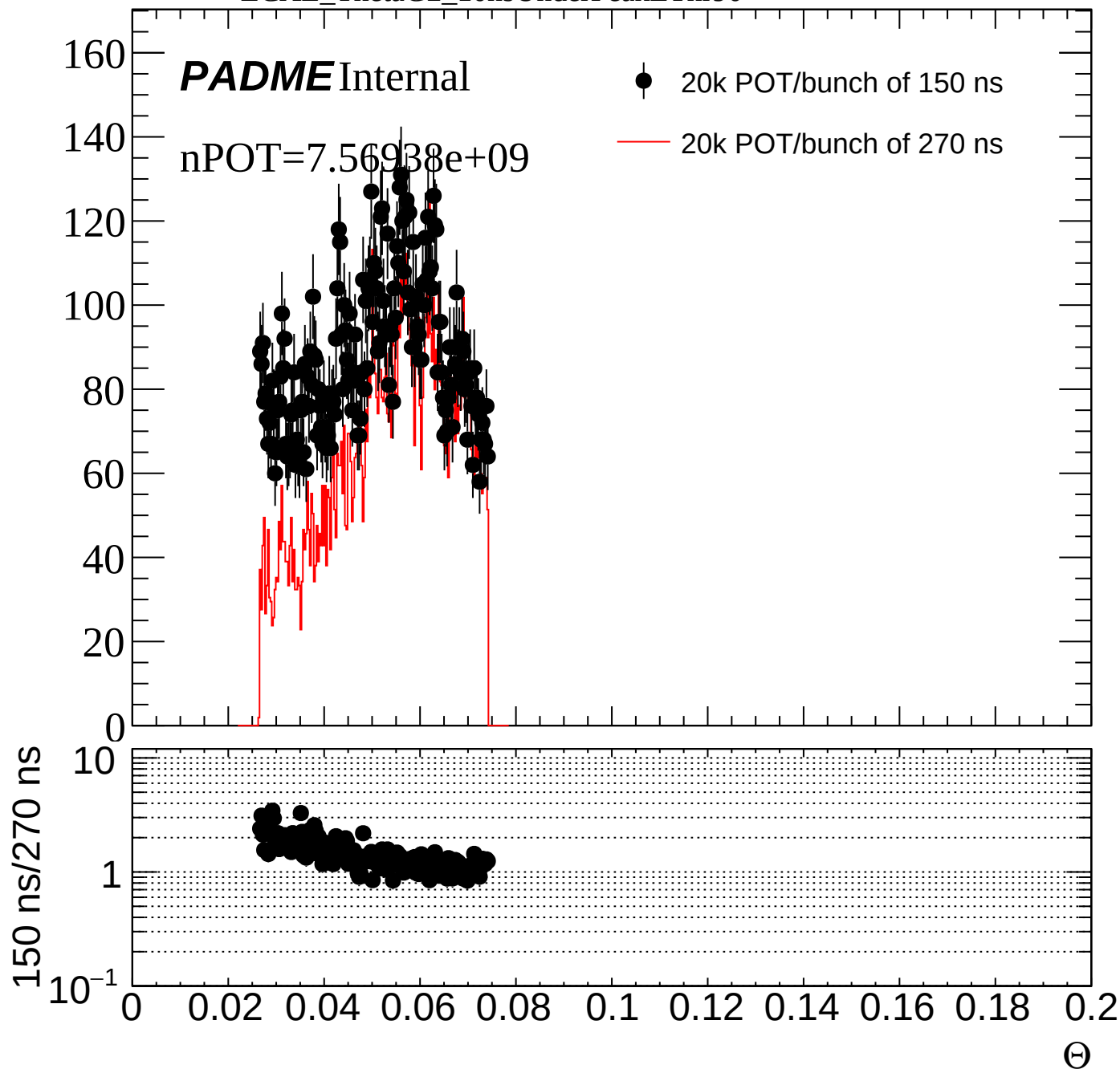


ECAL_Theta_10nsUnderPeakEThr90

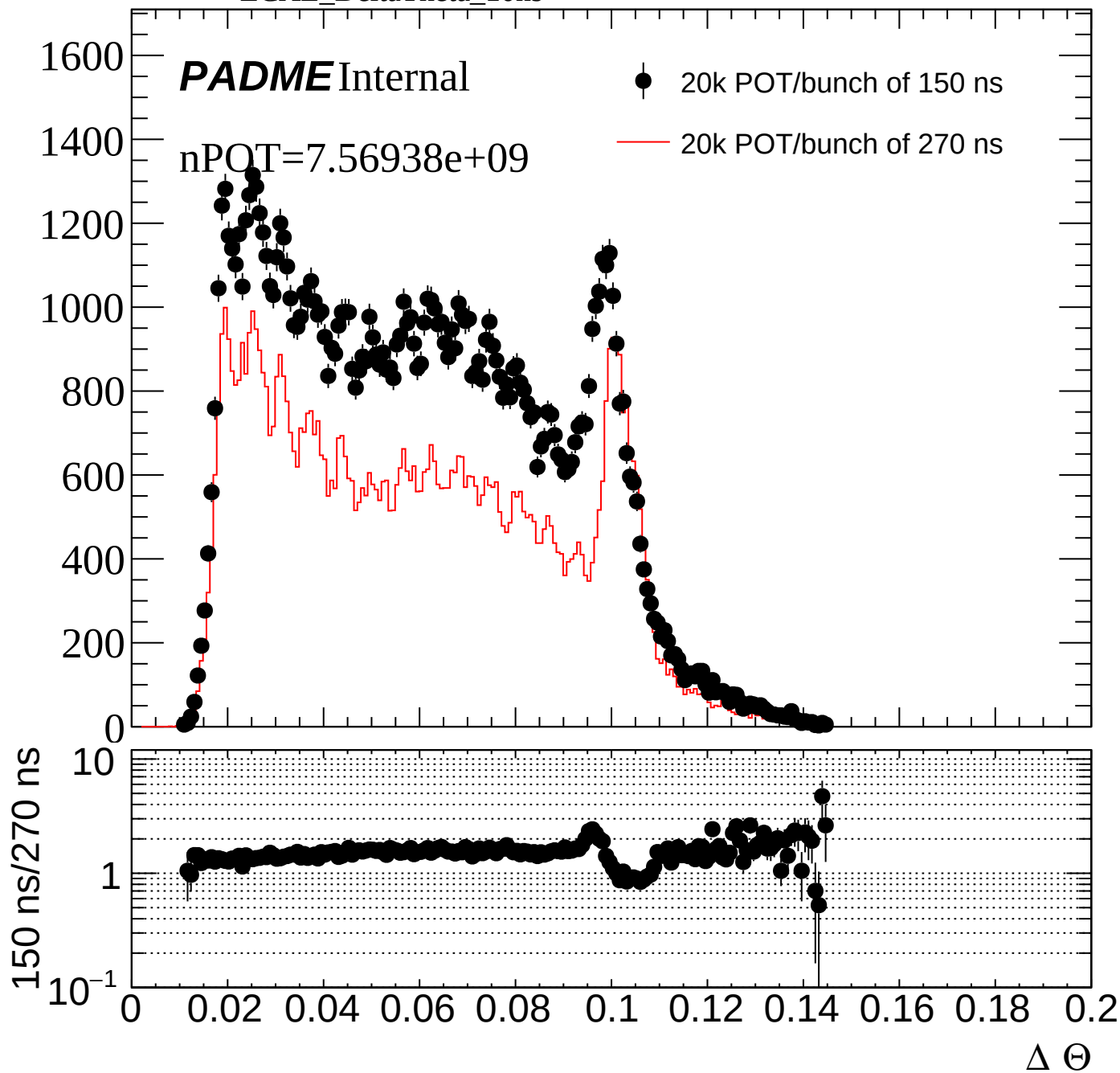




ECAL_ThetaG2_10nsUnderPeakEThr90



ECAL_DeltaTheta_10ns



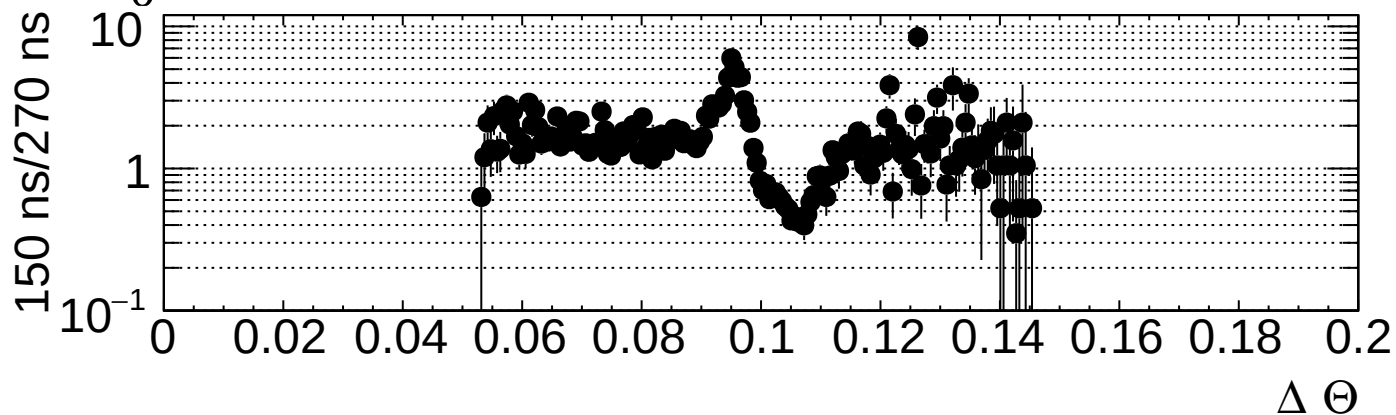
ECAL_DeltaTheta_10nsDeltaPhi20

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



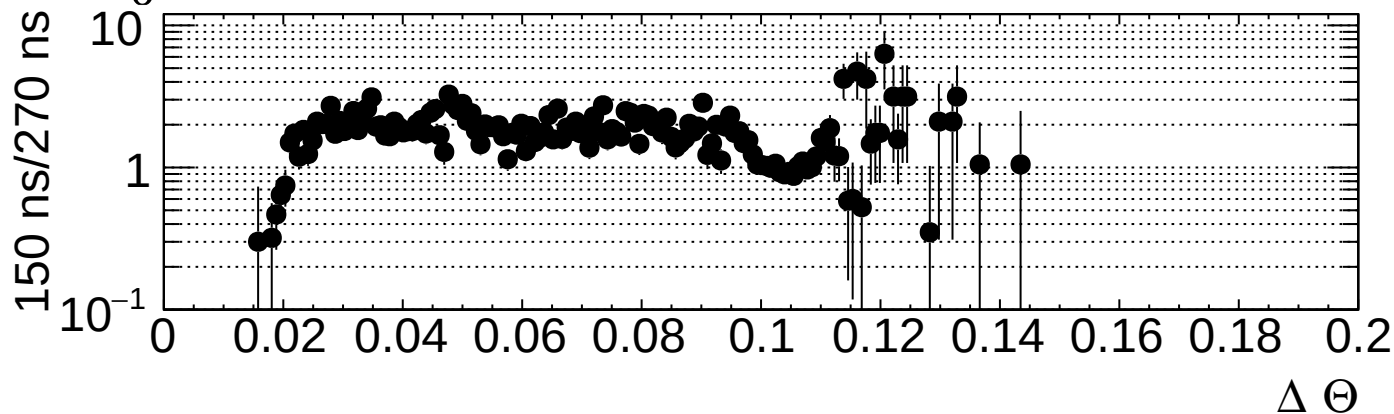
ECAL_DeltaTheta_10nsUnderPeakEThr90

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



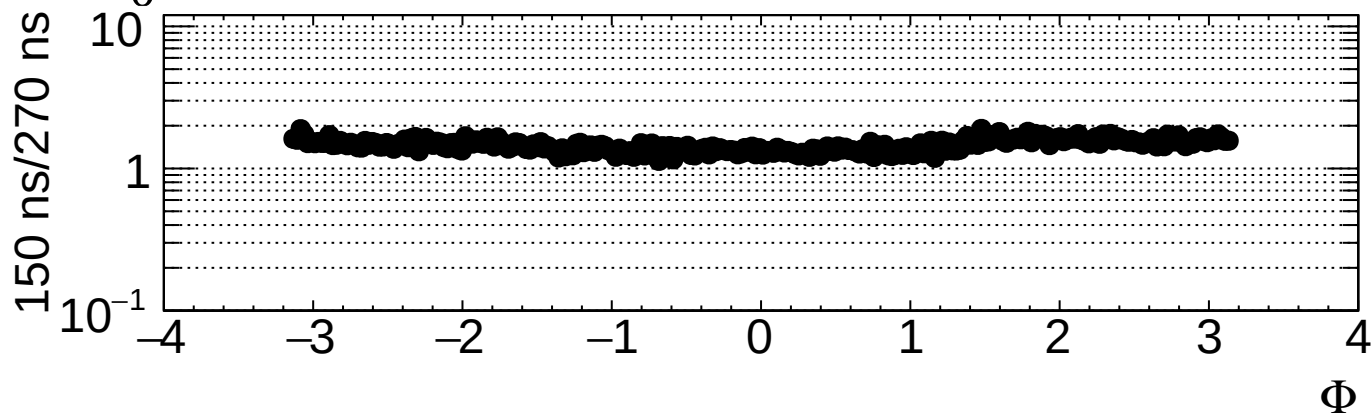
ECAL_Phi_10ns

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



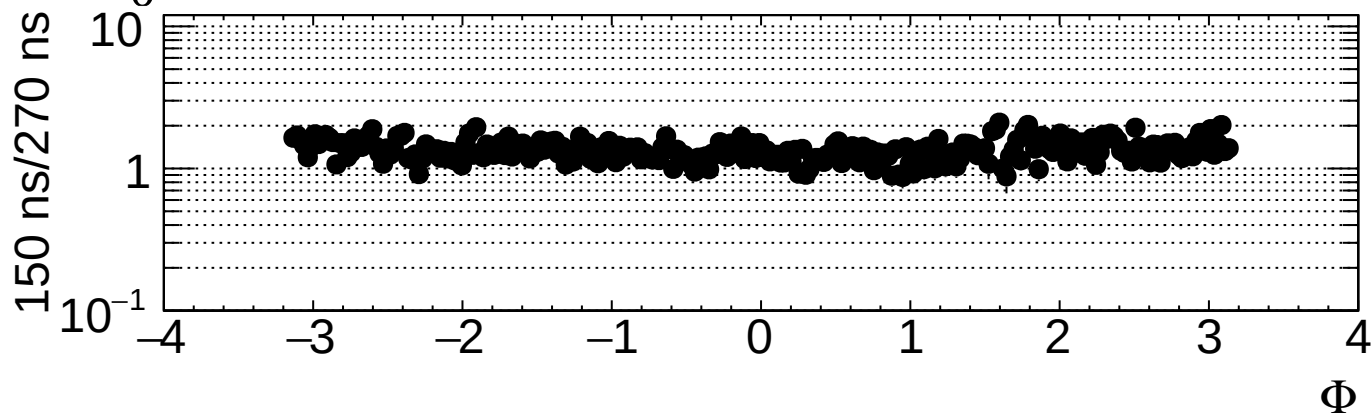
ECAL_Phi_10nsUnderPeakEThr90

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



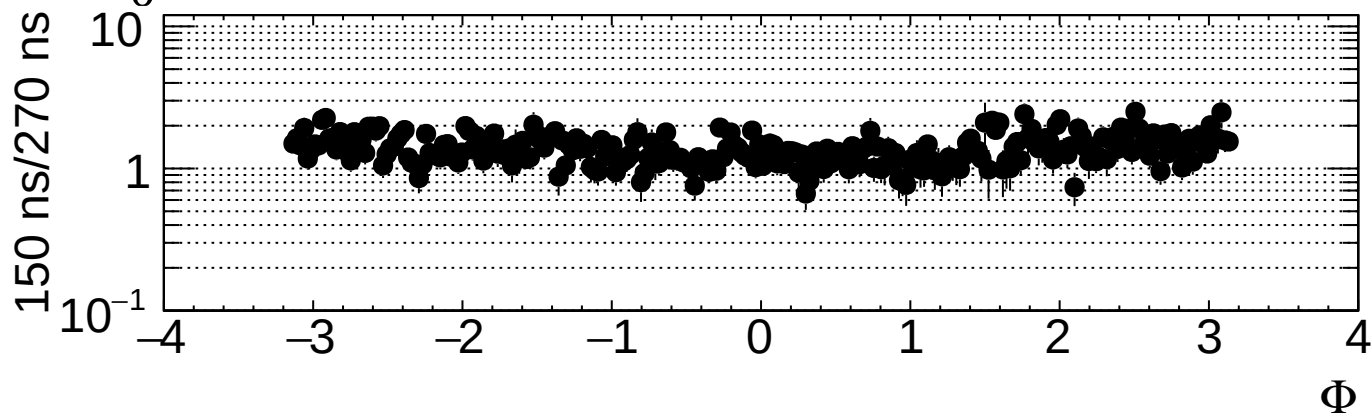
ECAL_PhiG1_10nsUnderPeakEThr90

PADME Internal

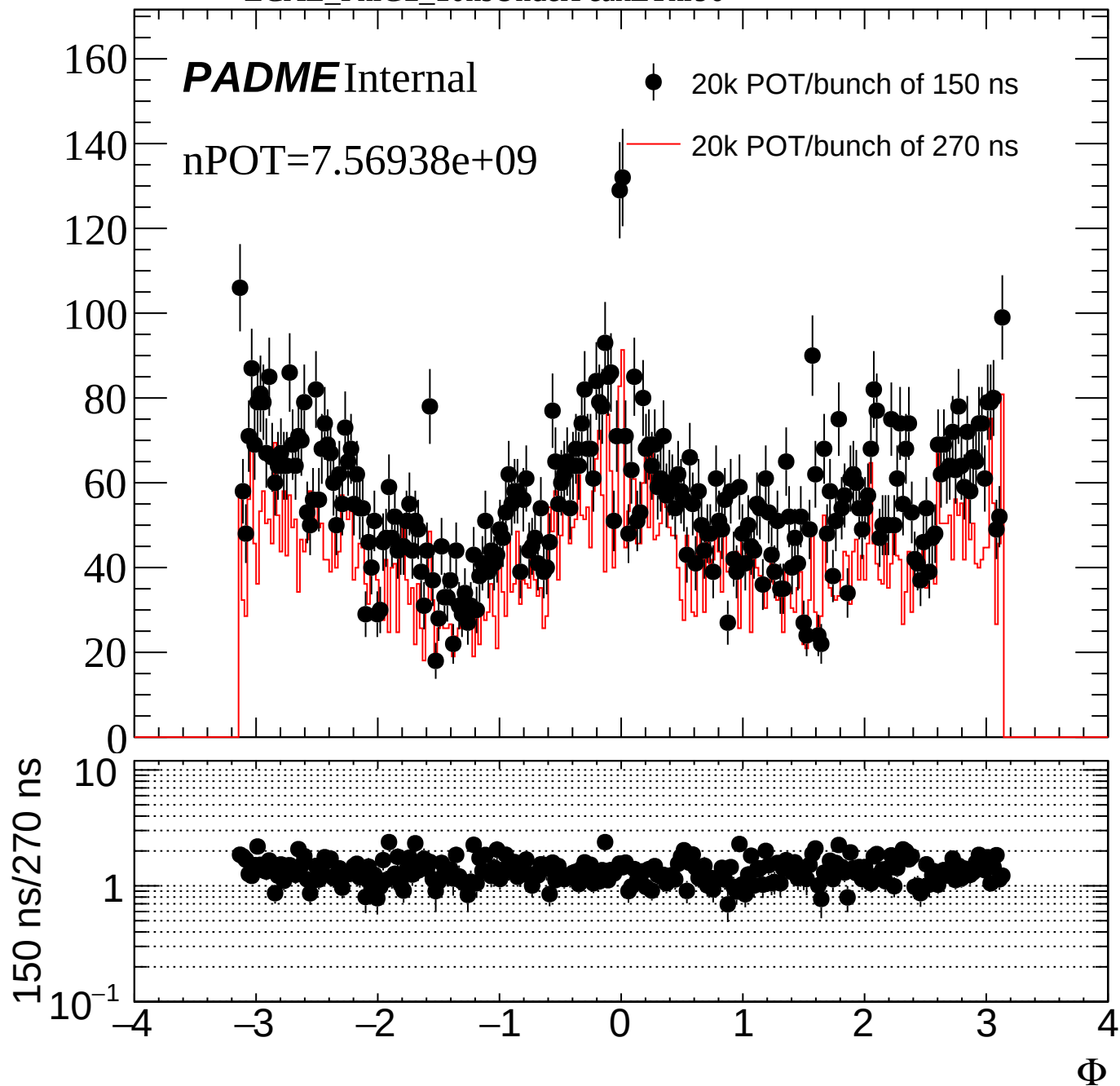
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



ECAL_PhiG2_10nsUnderPeakEThr90



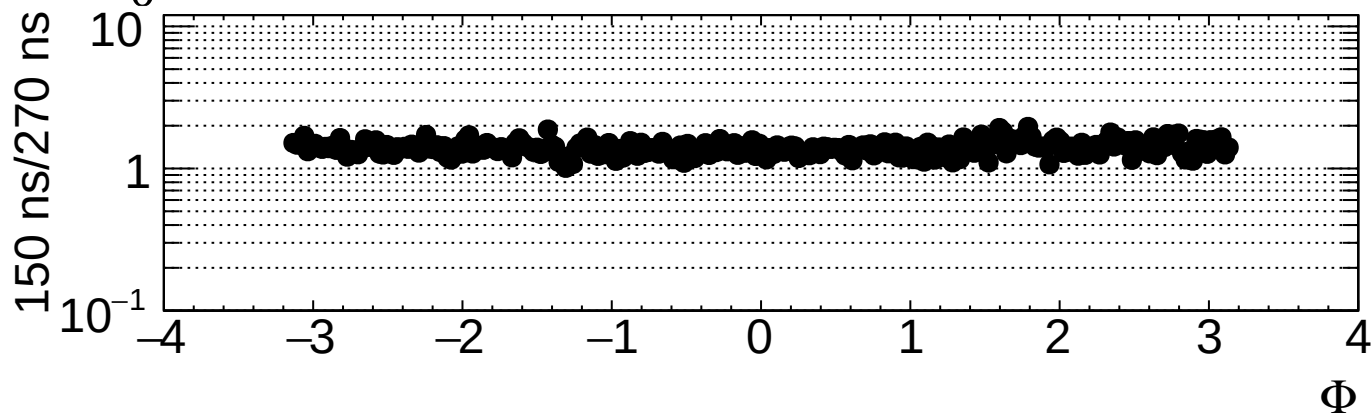
ECAL_Phi_10nsDeltaTheta

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



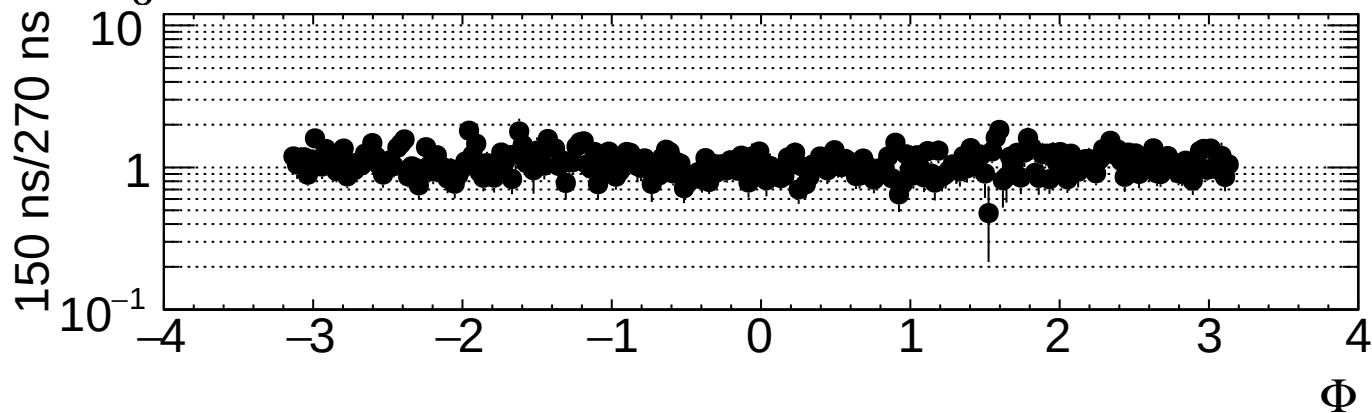
ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



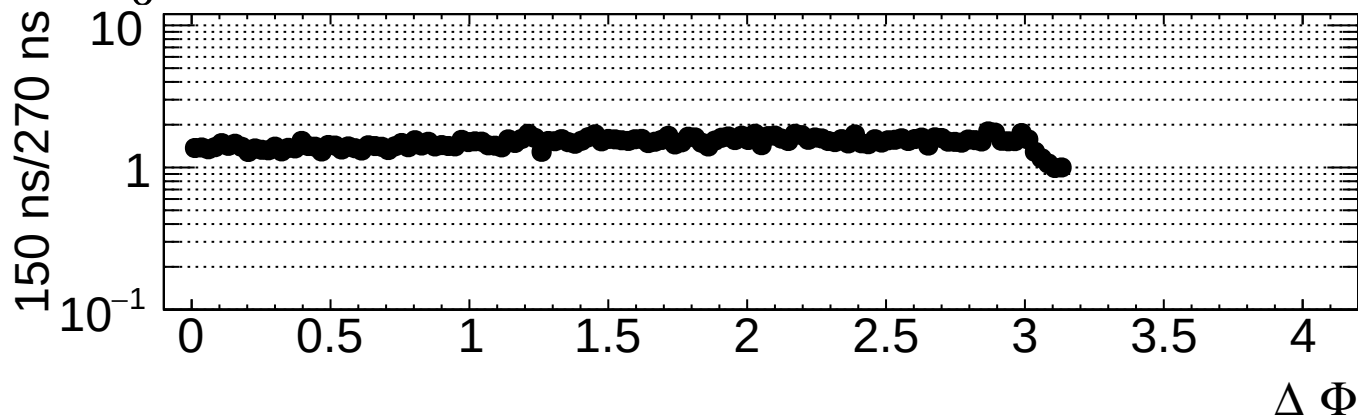
ECAL_DeltaPhi_10ns

PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



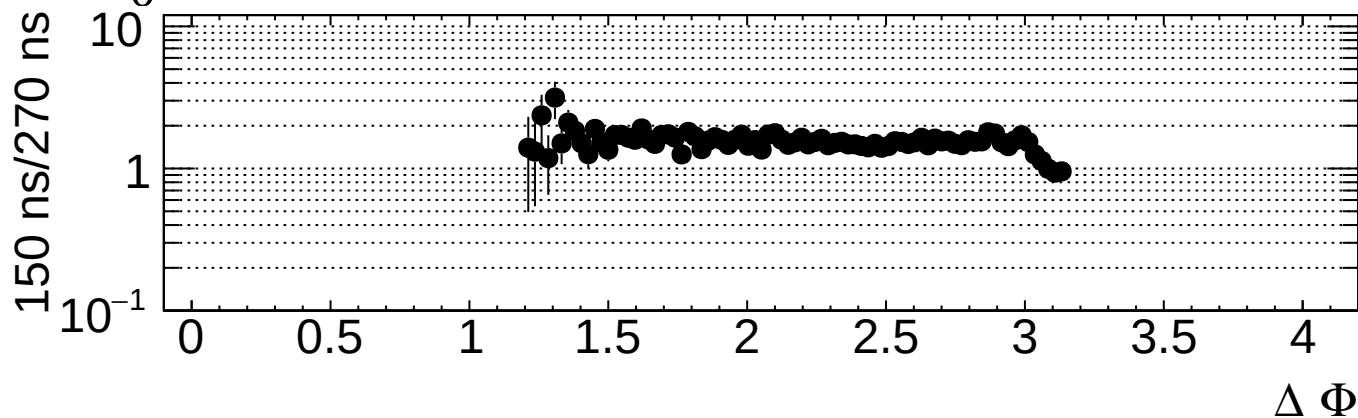
ECAL_DeltaPhi_10nsDeltaTheta

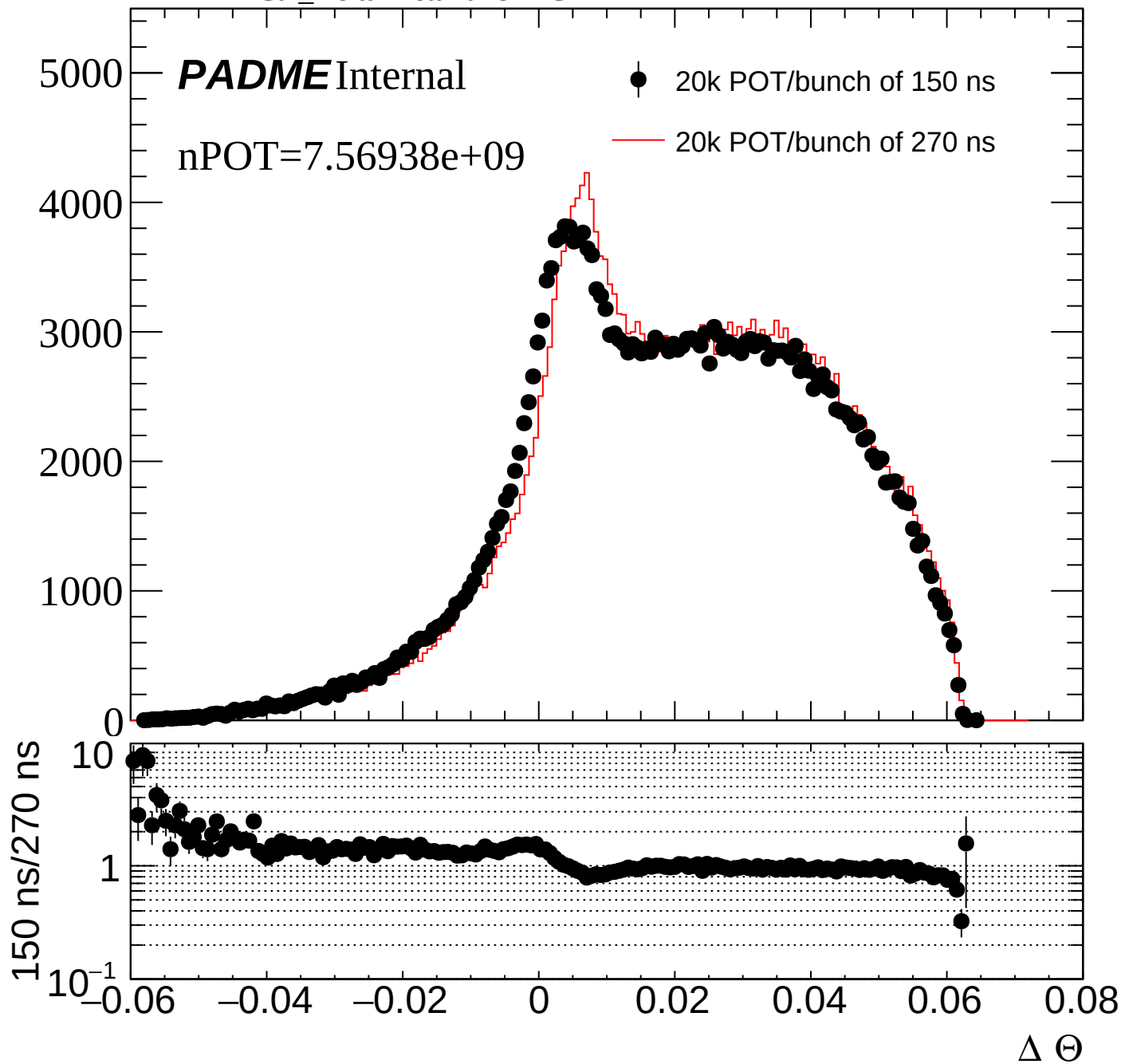
PADME Internal

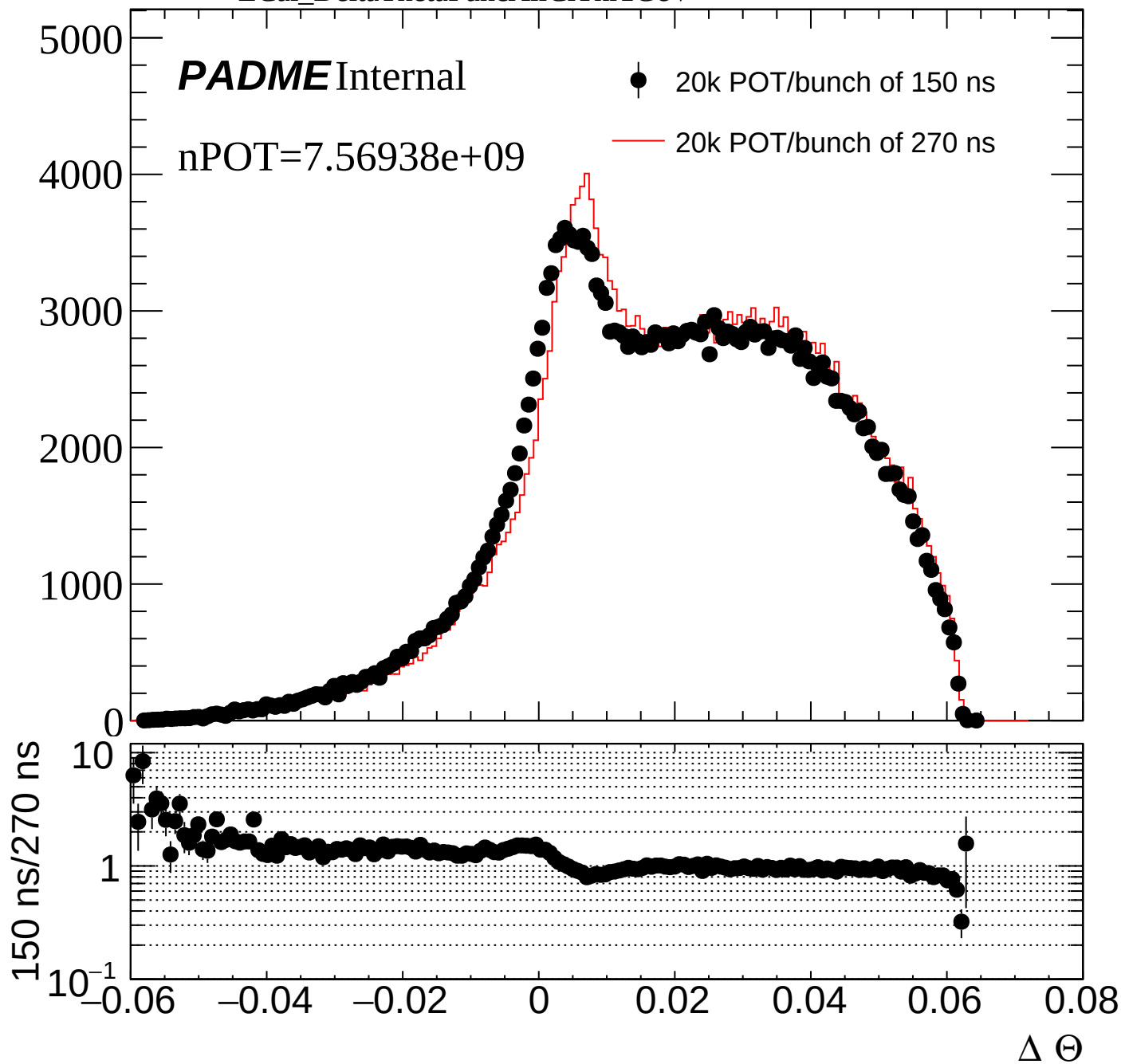
nPOT=7.56938e+09

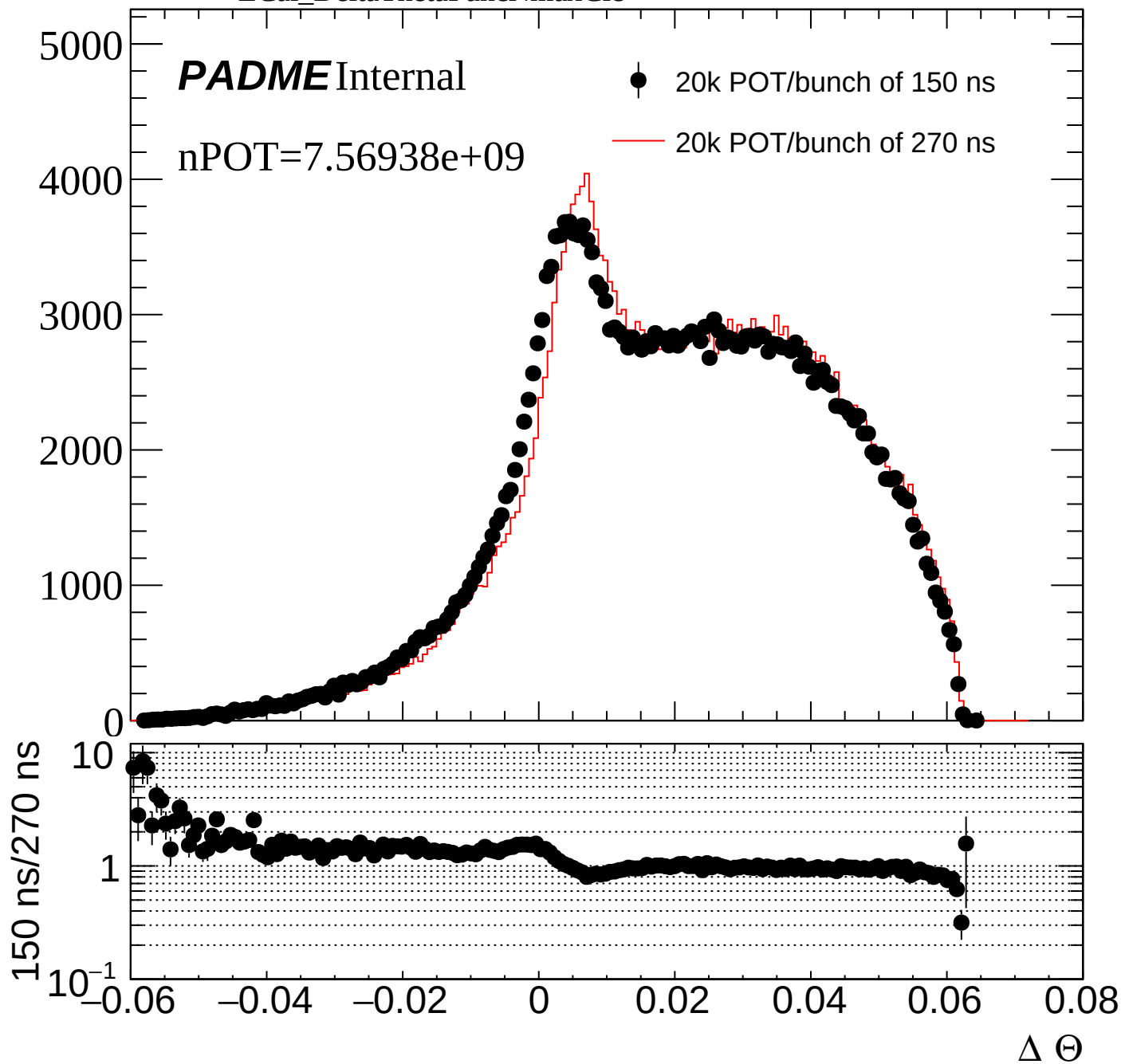
● 20k POT/bunch of 150 ns

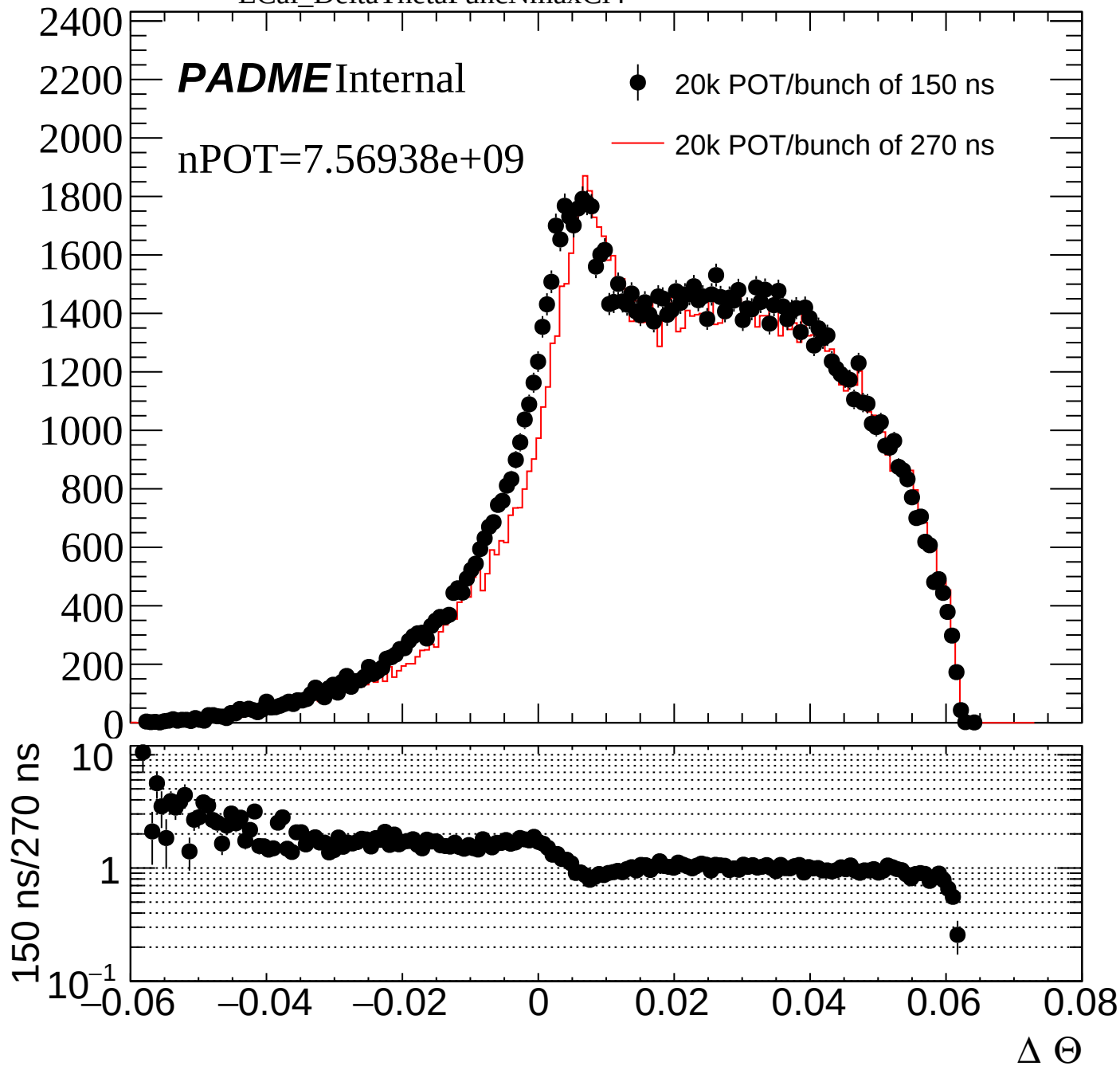
— 20k POT/bunch of 270 ns

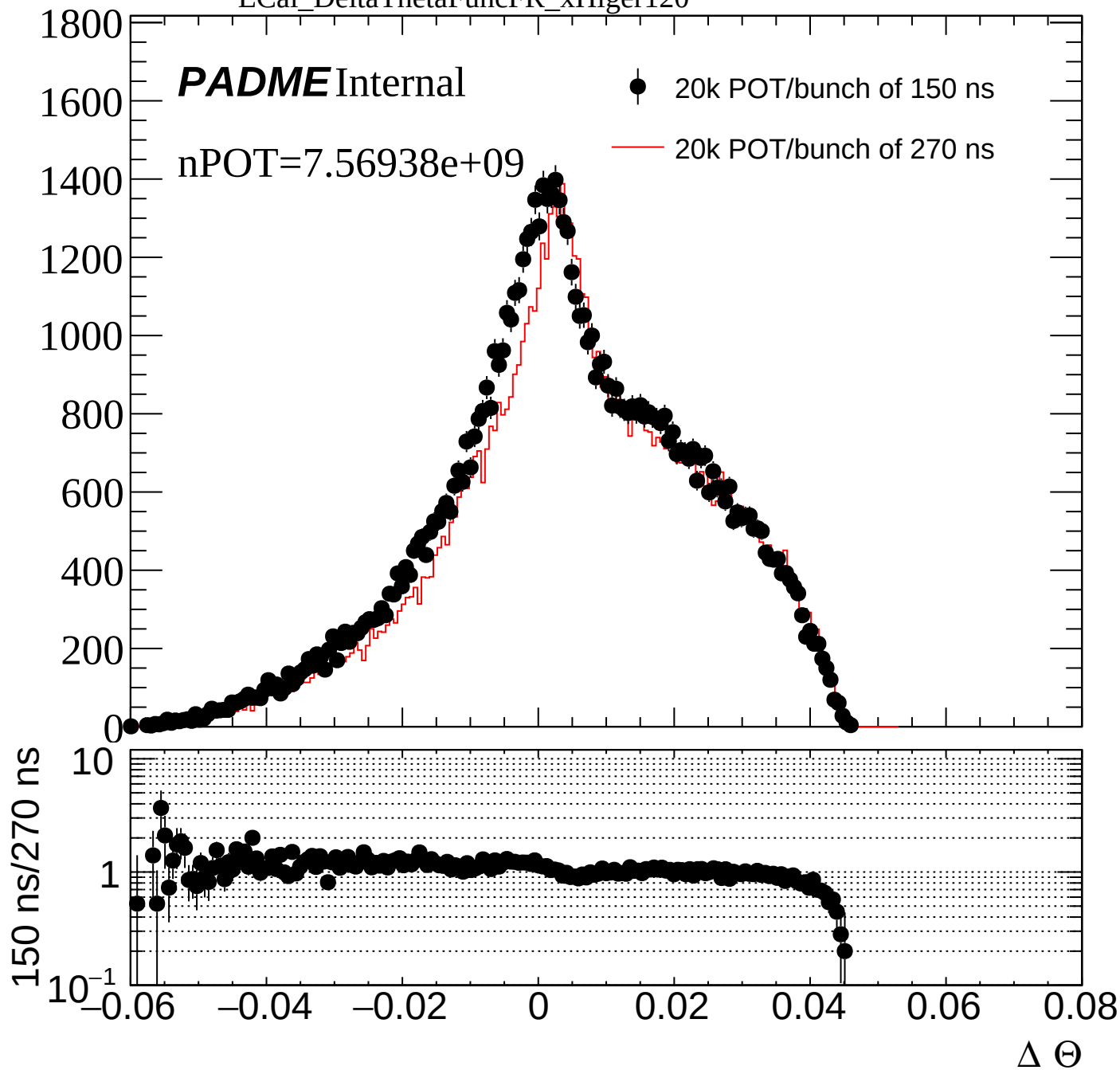










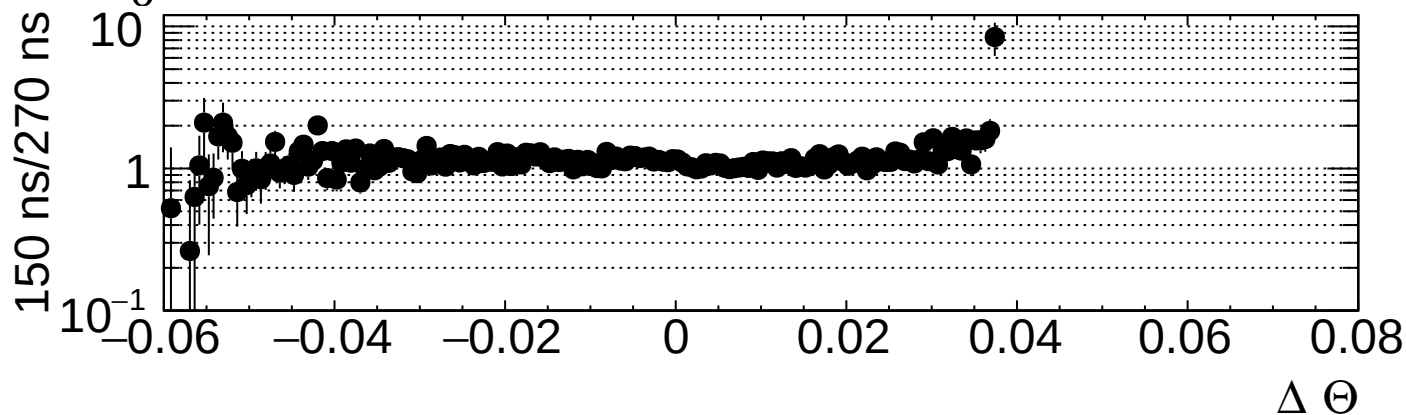


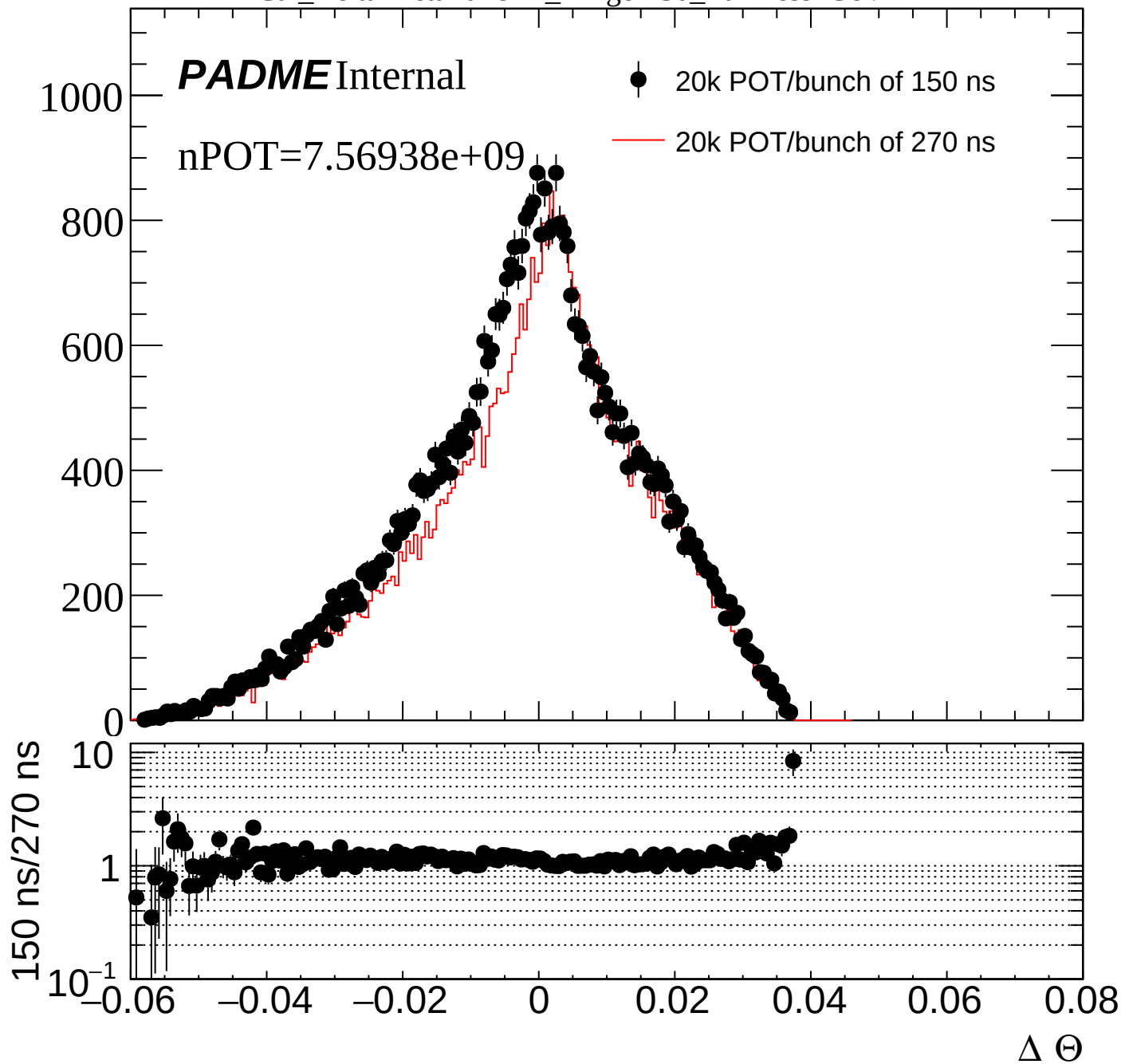
PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns



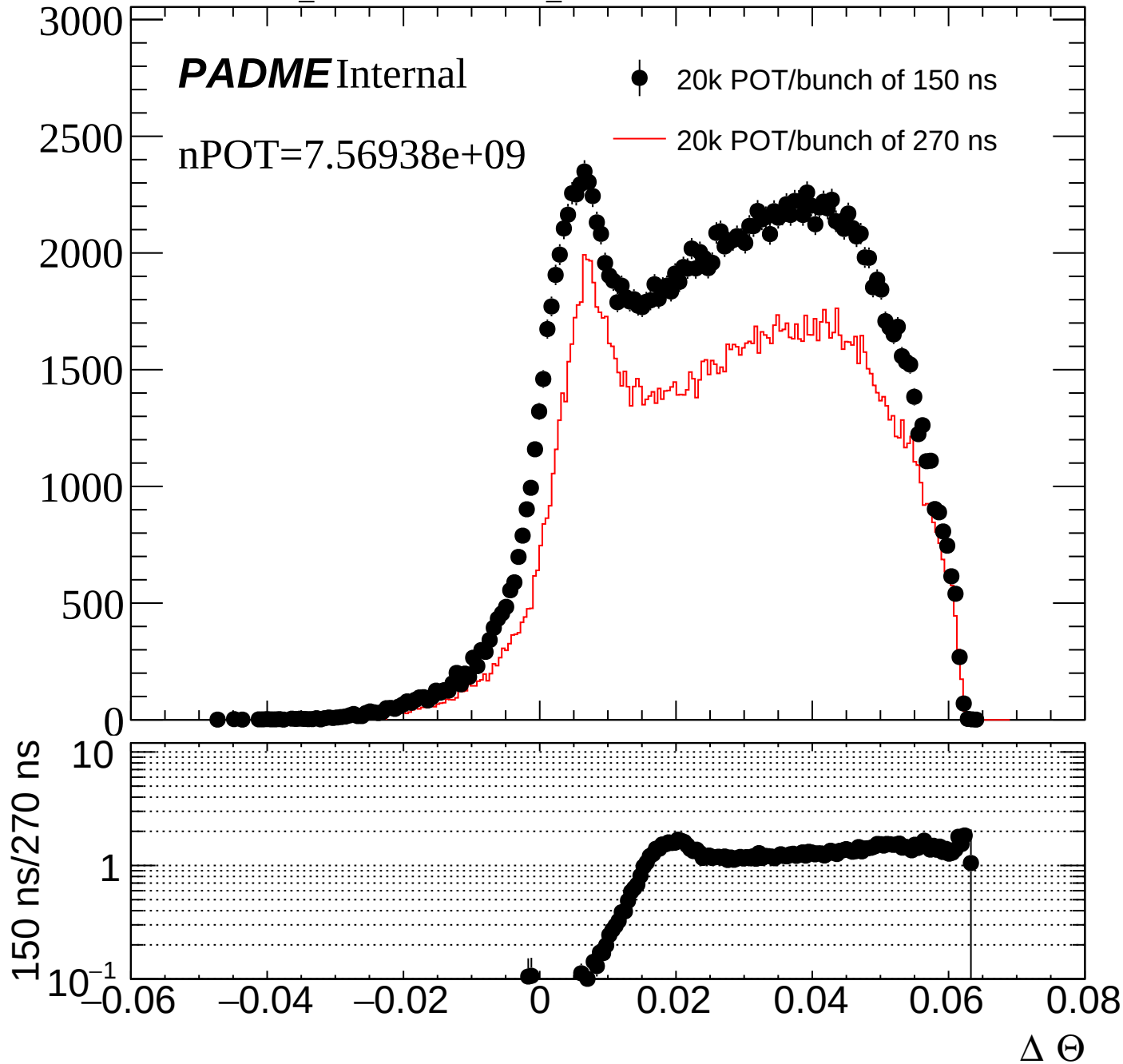


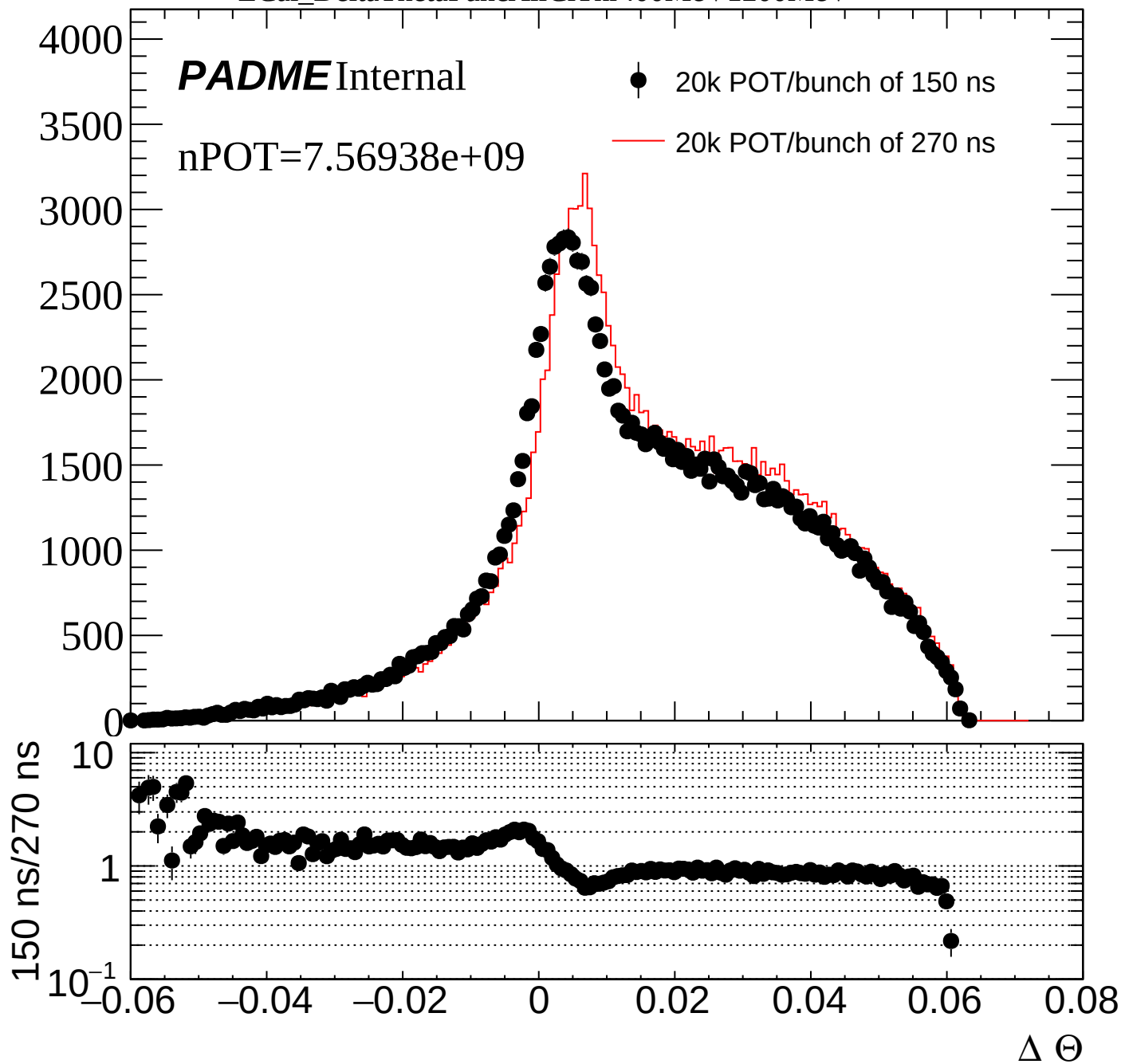
PADME Internal

nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns





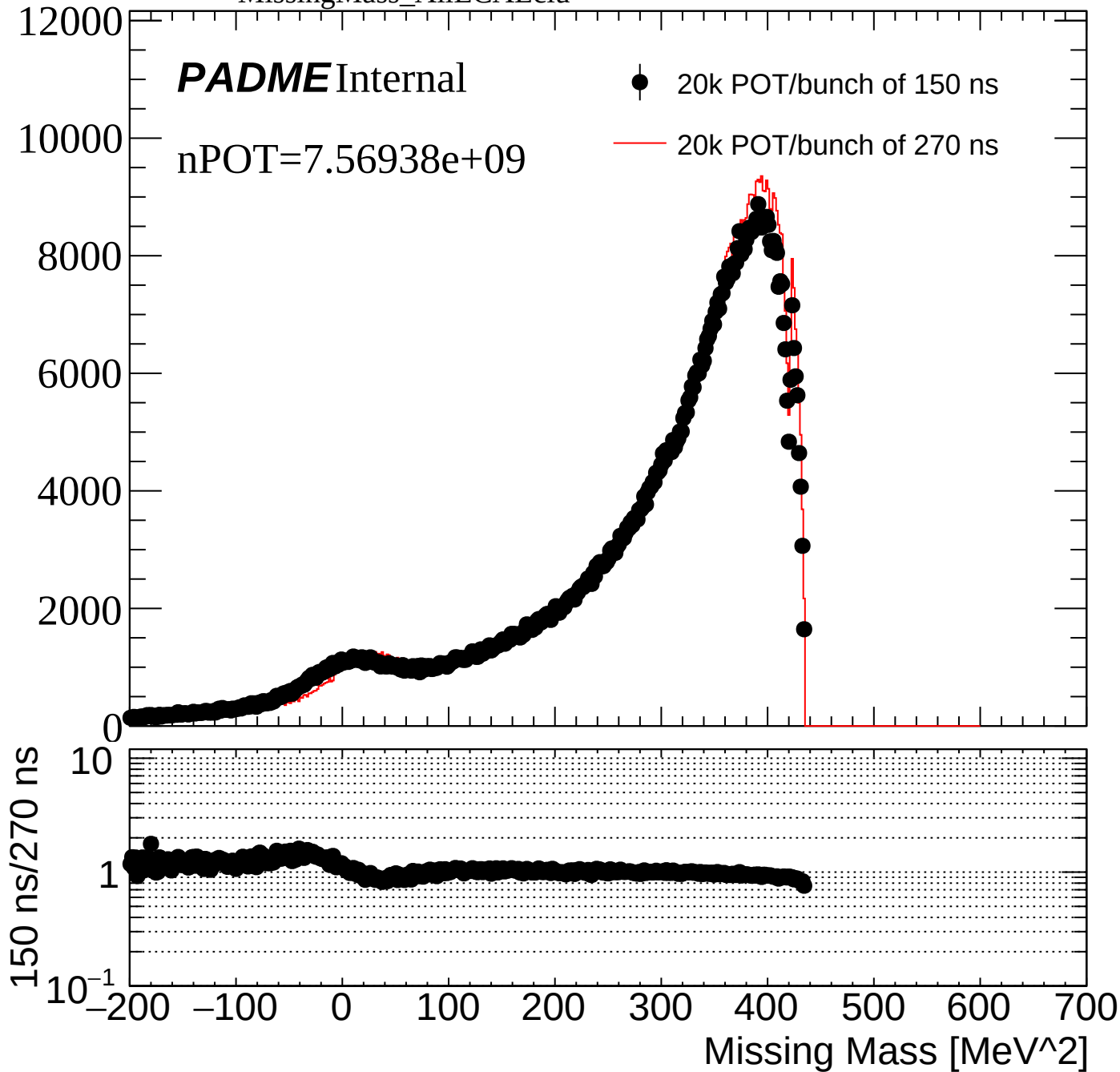
MissingMass_AllECALclu

PADME Internal

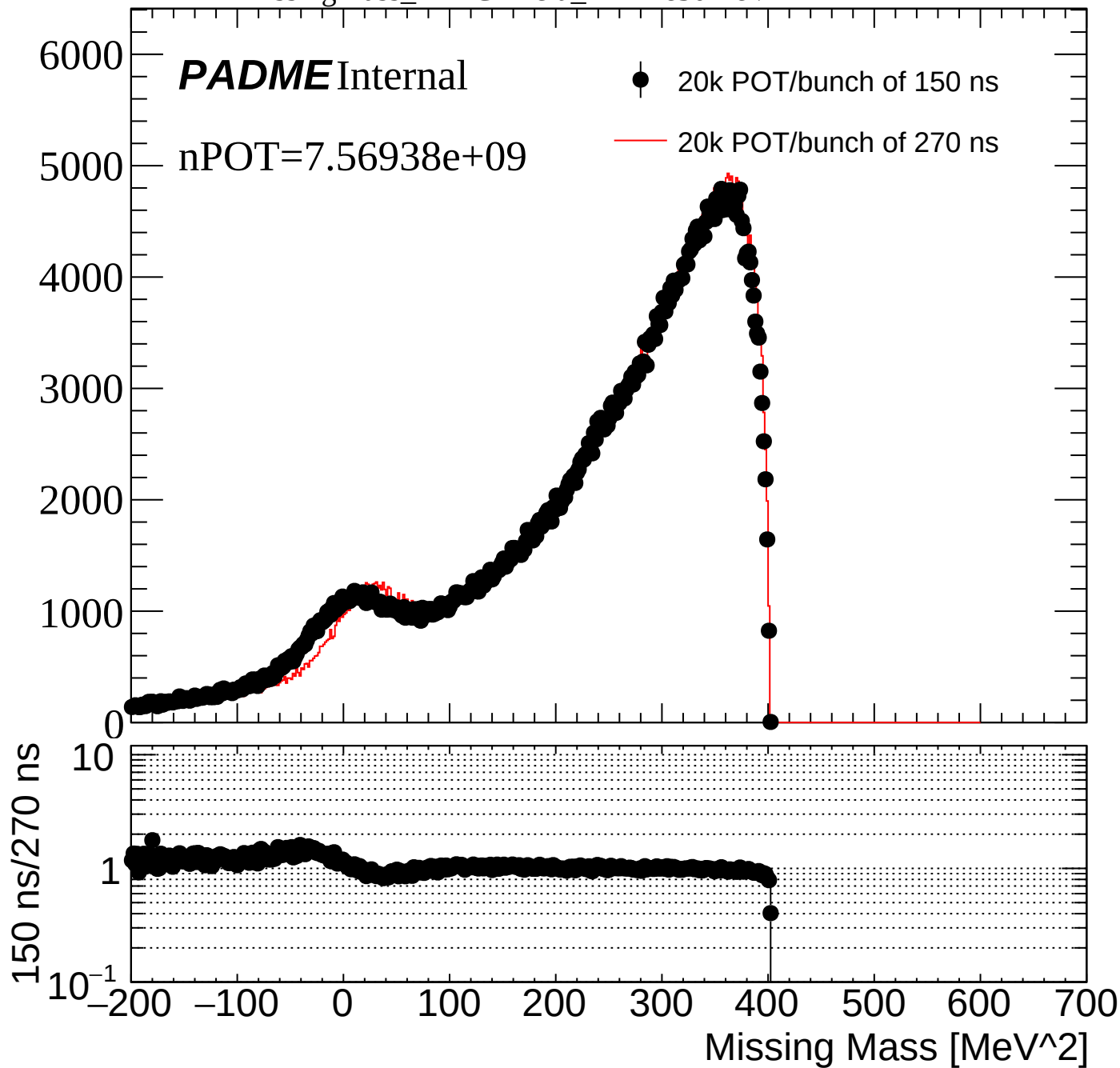
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

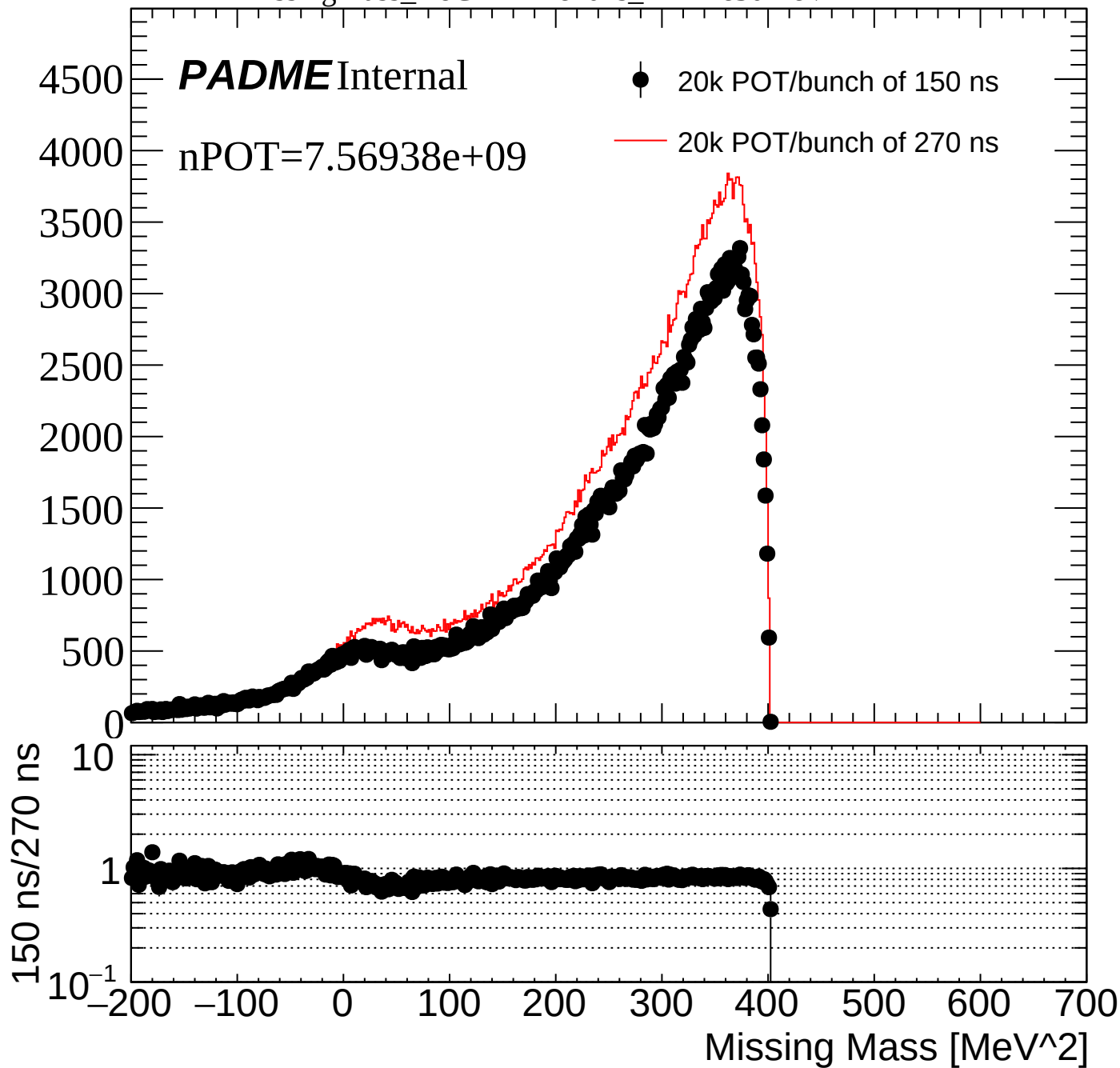
— 20k POT/bunch of 270 ns



MissingMass_AllECALclu_ThrEne50MeV



MissingMass_NoClInTime20ns_ThrEne50MeV



MissingMass_NoClInTime10ns_ThrEne50MeV

