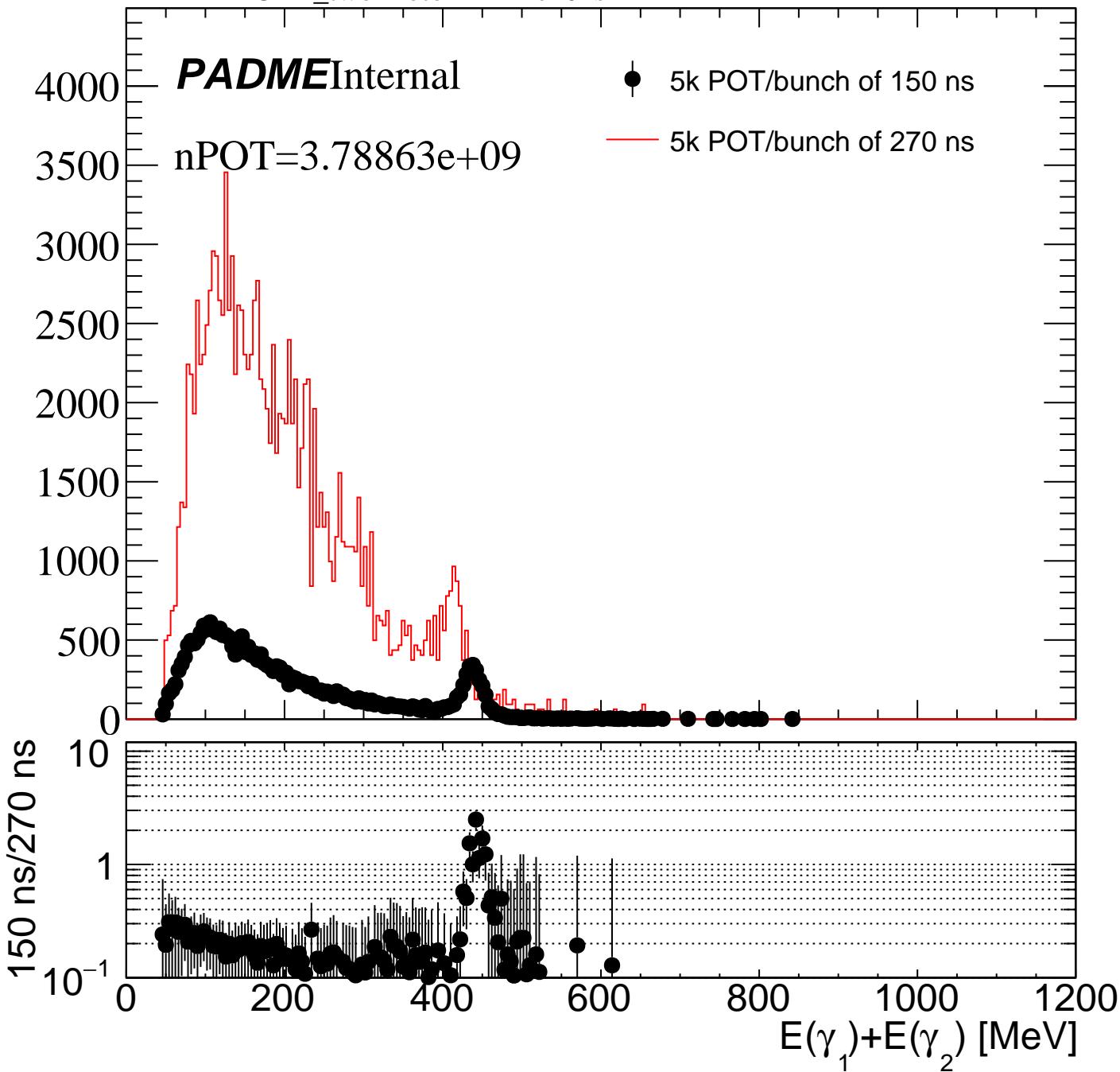
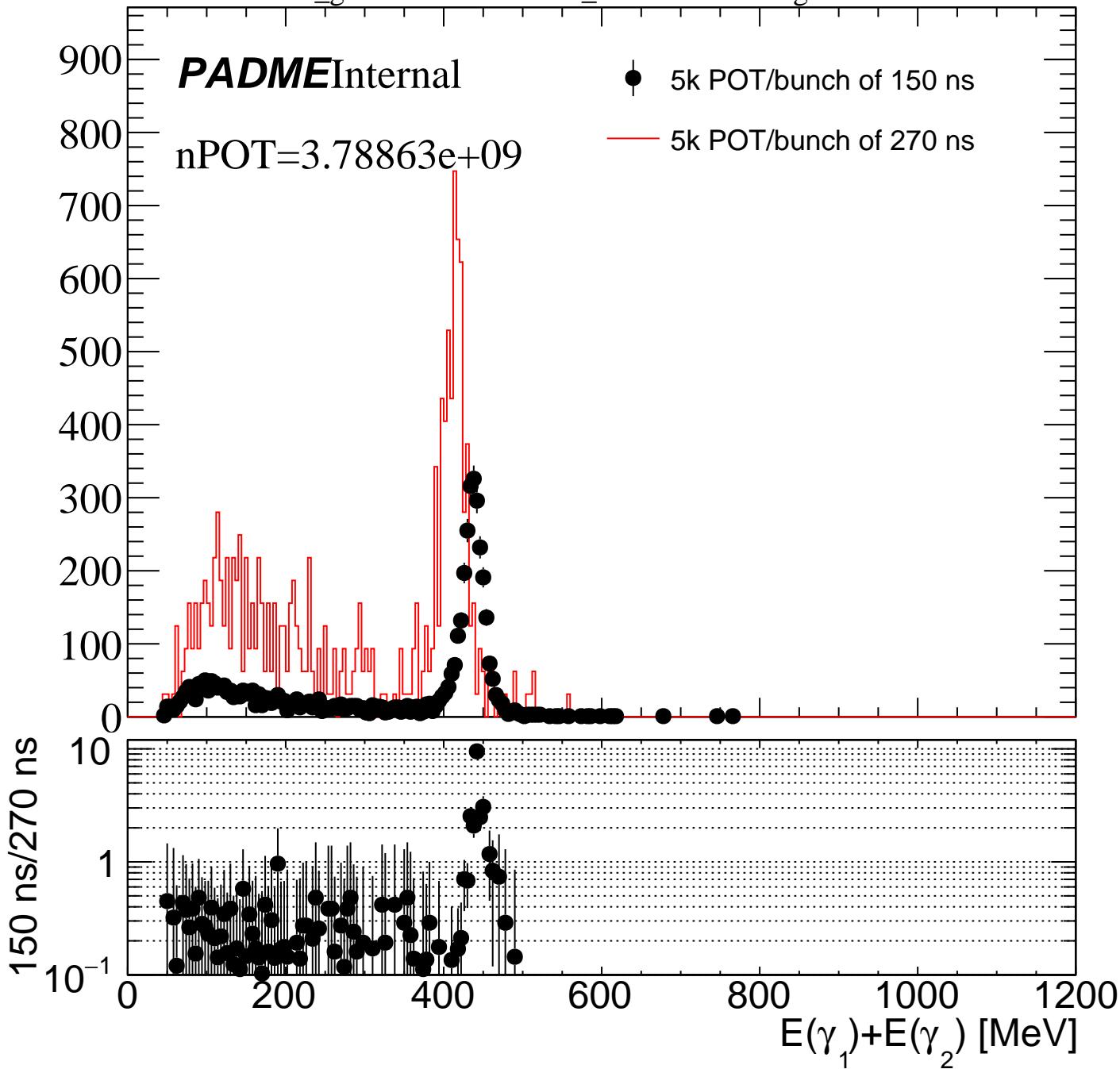


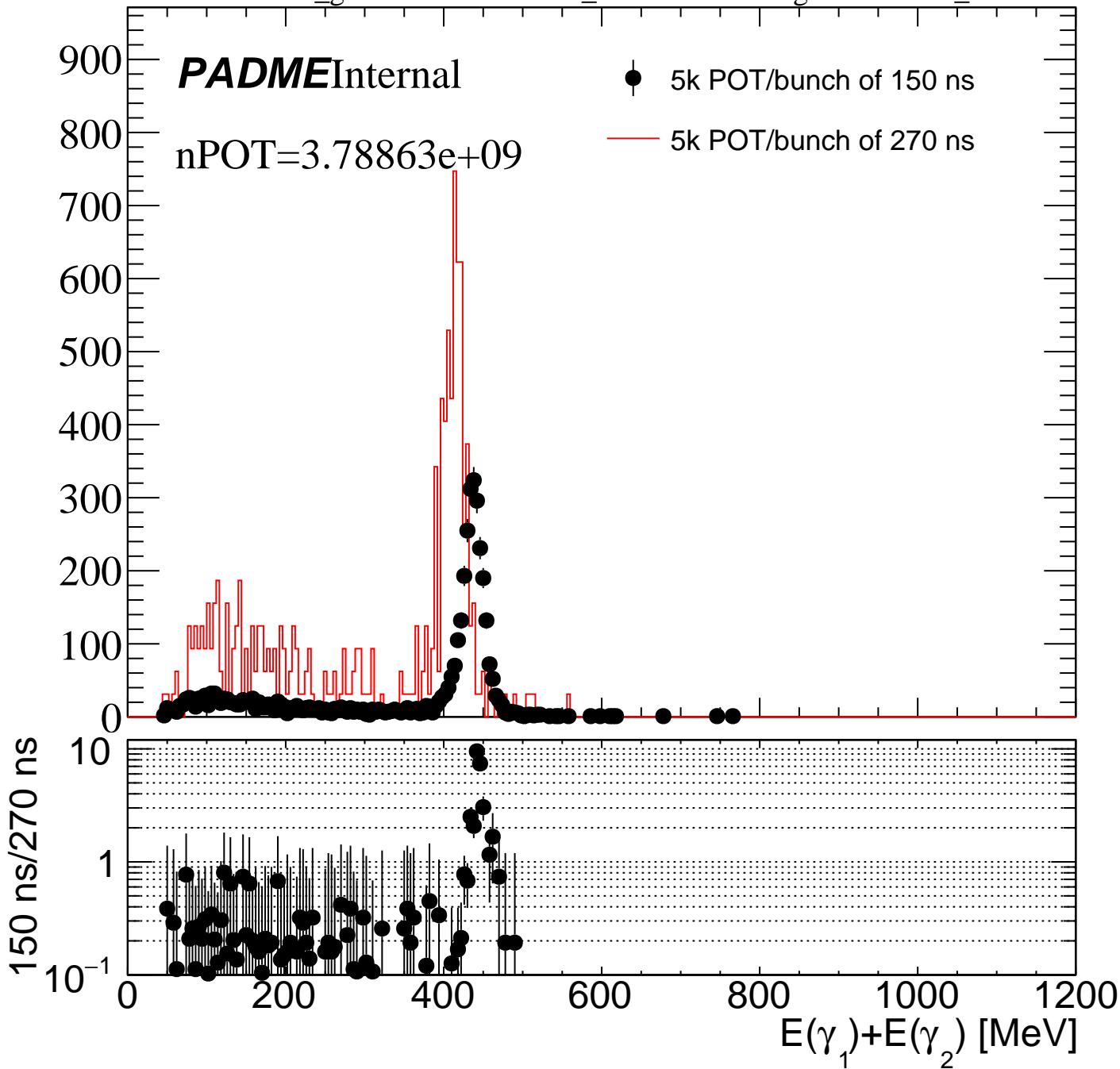
ECAL_twoPhotonInTime10ns



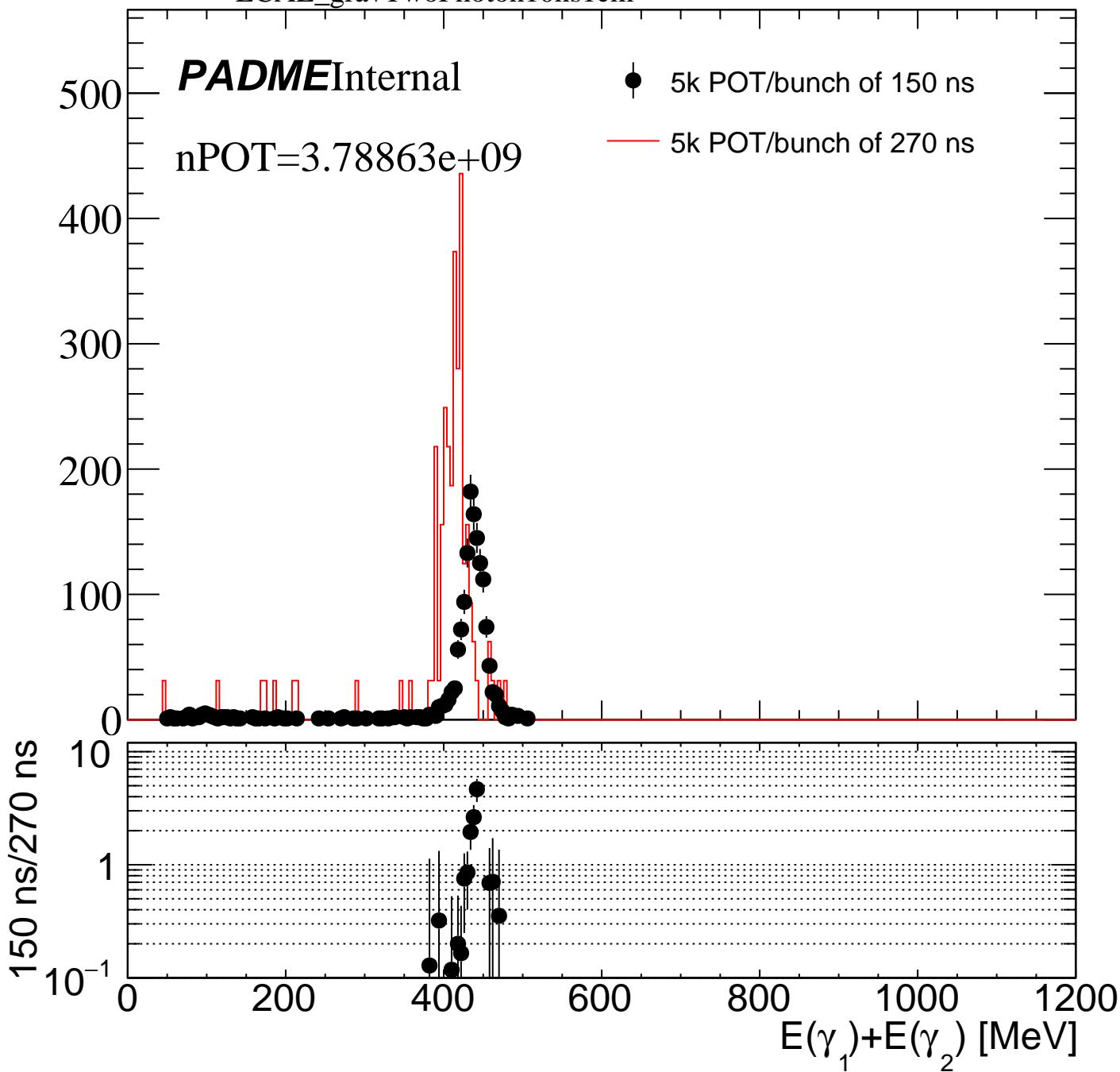
ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method



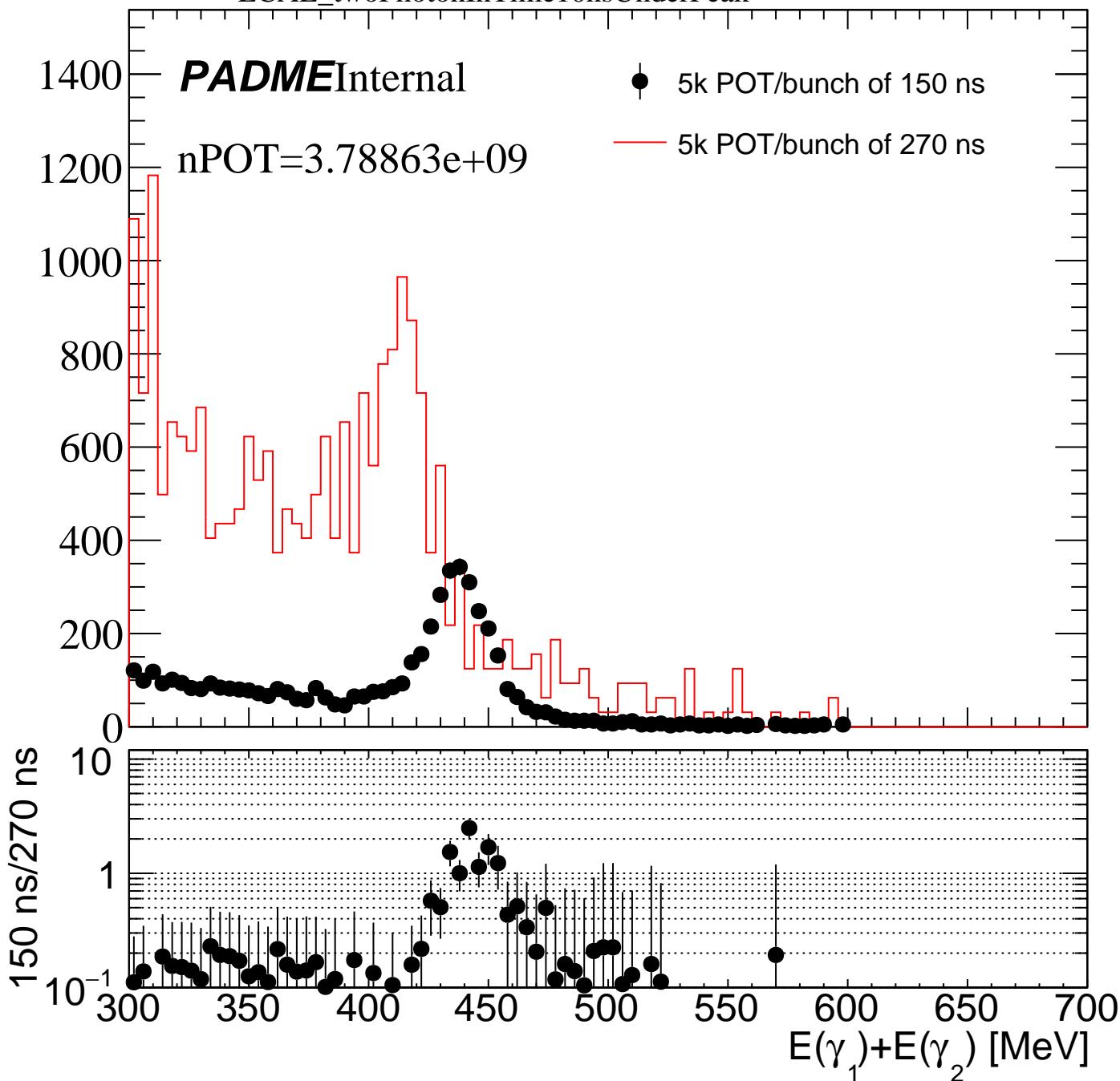
ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method_DeltaTheta



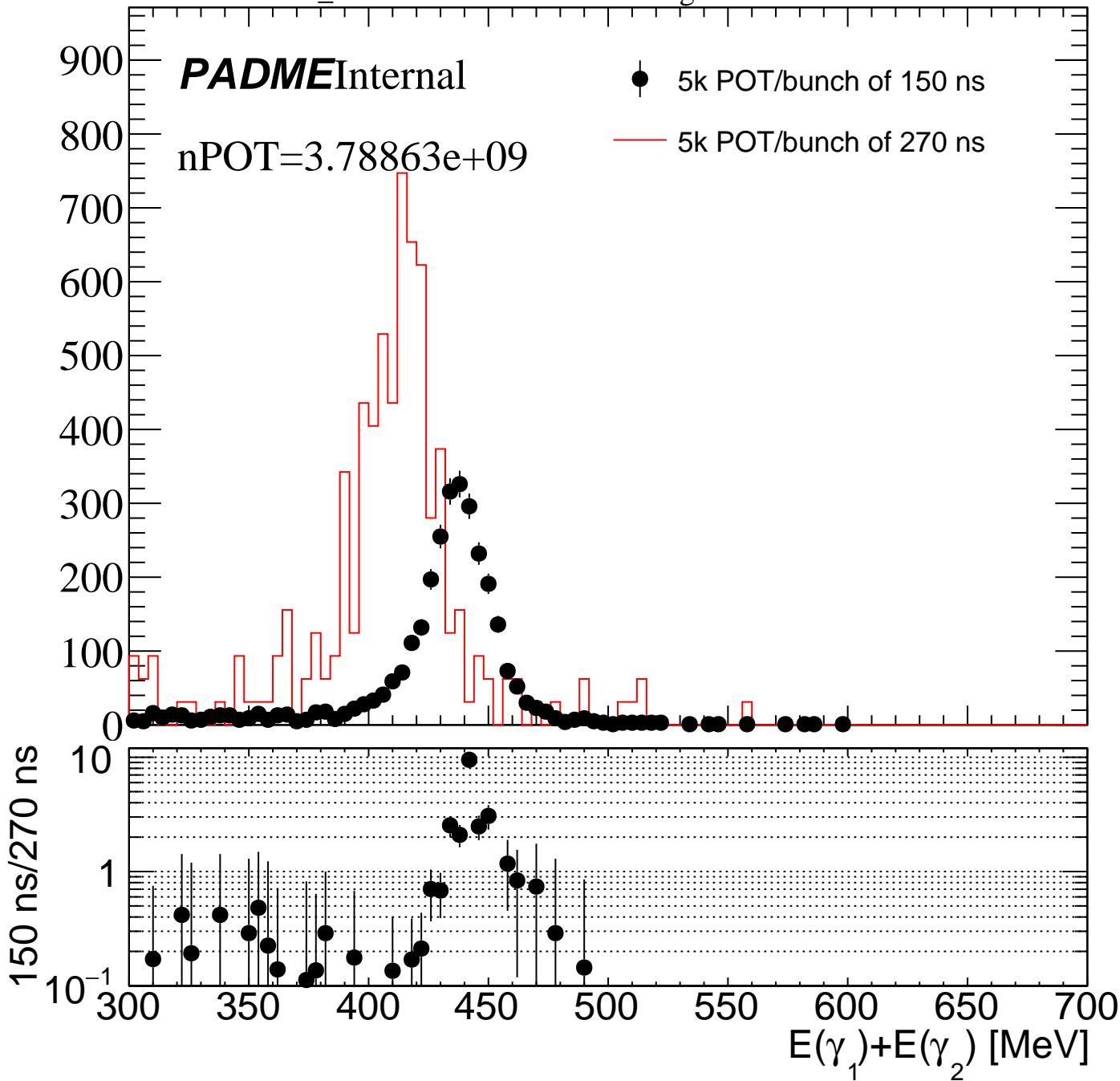
ECAL_gravTwoPhoton10ns1cm



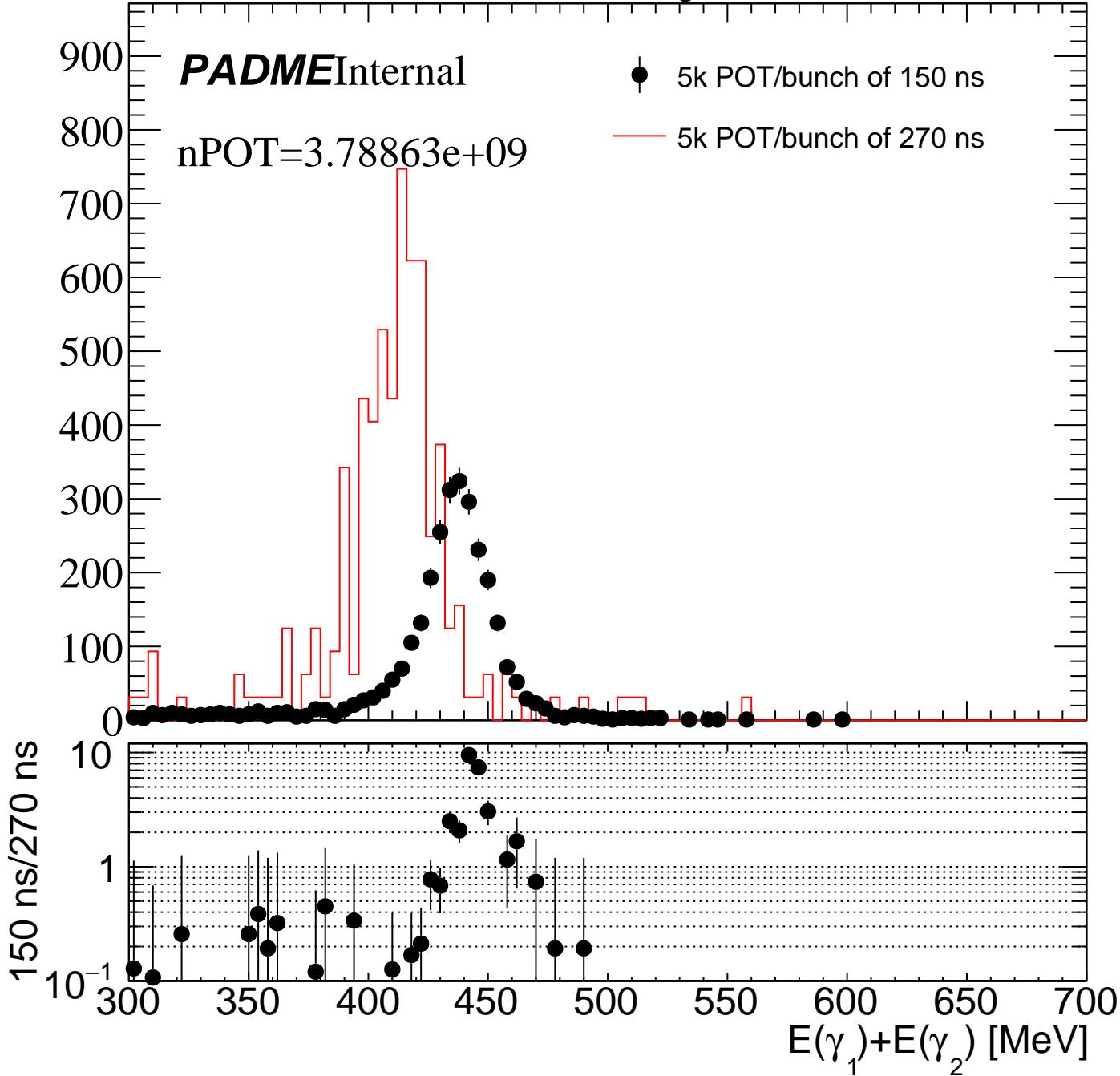
ECAL_twoPhotonInTime10nsUnderPeak



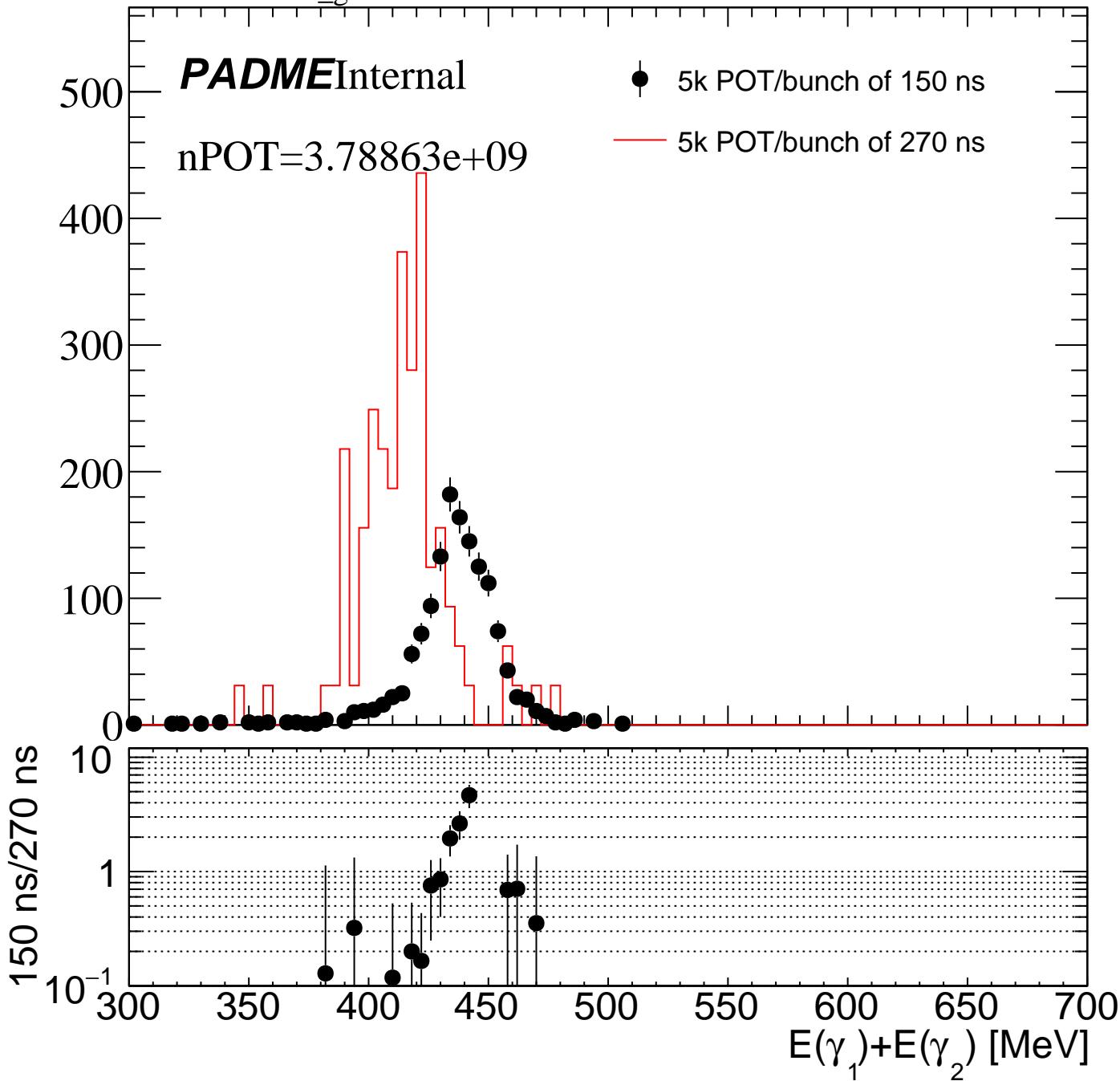
ECAL_twoPhotonInTime10ns20DegreeUnderPeak



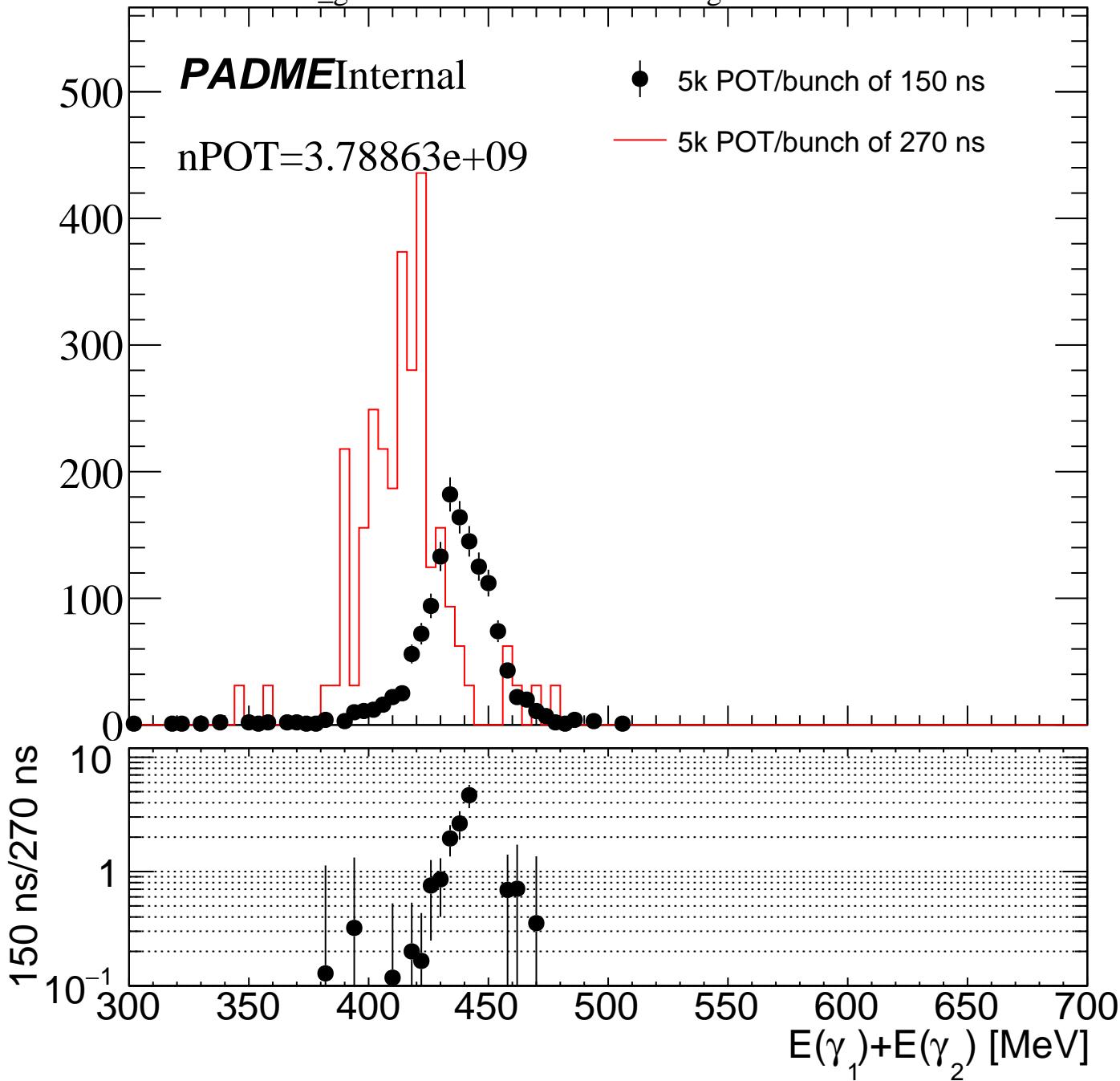
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak



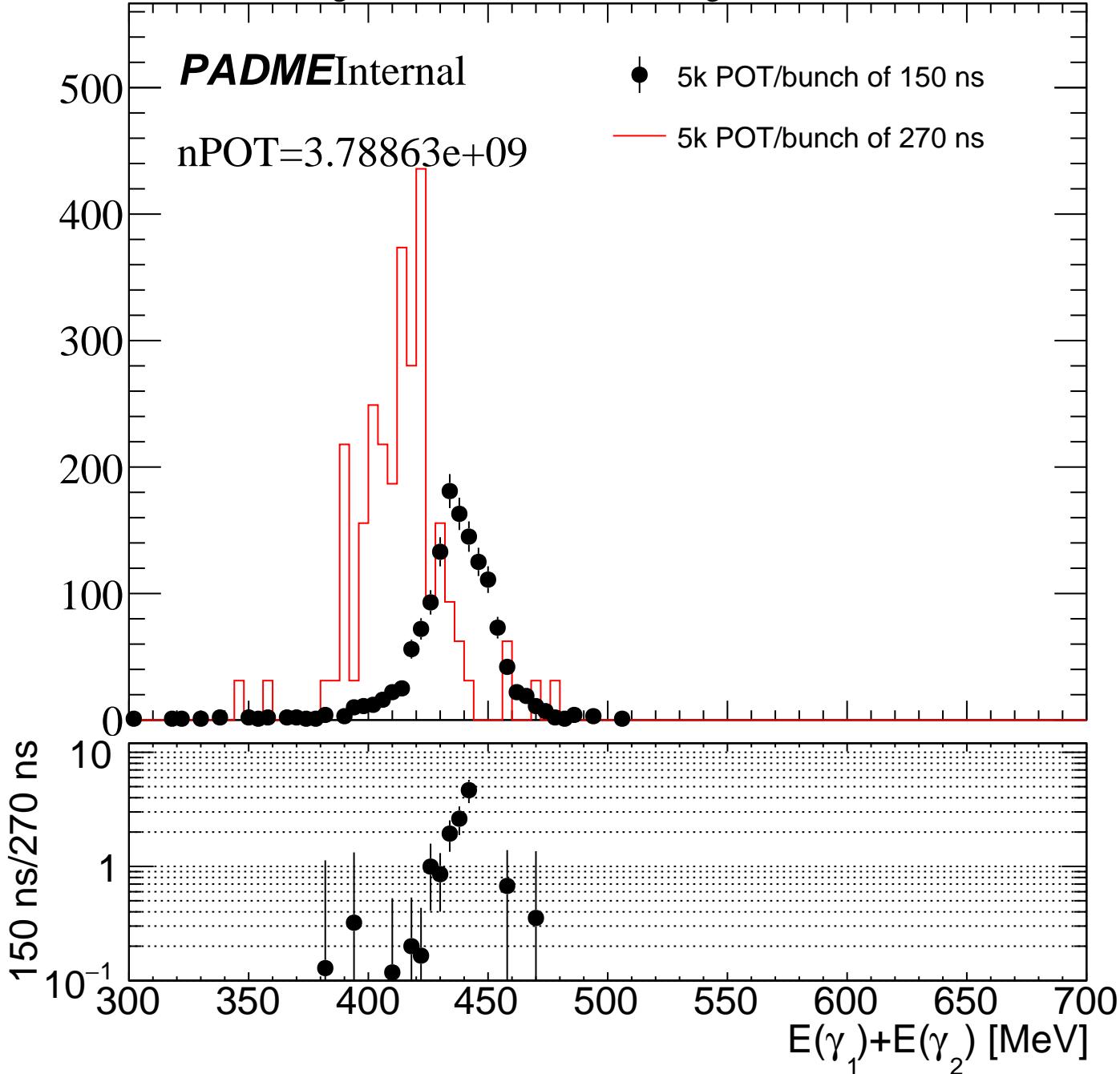
ECAL_gravTwoPhoton10ns1cmUnderPeak



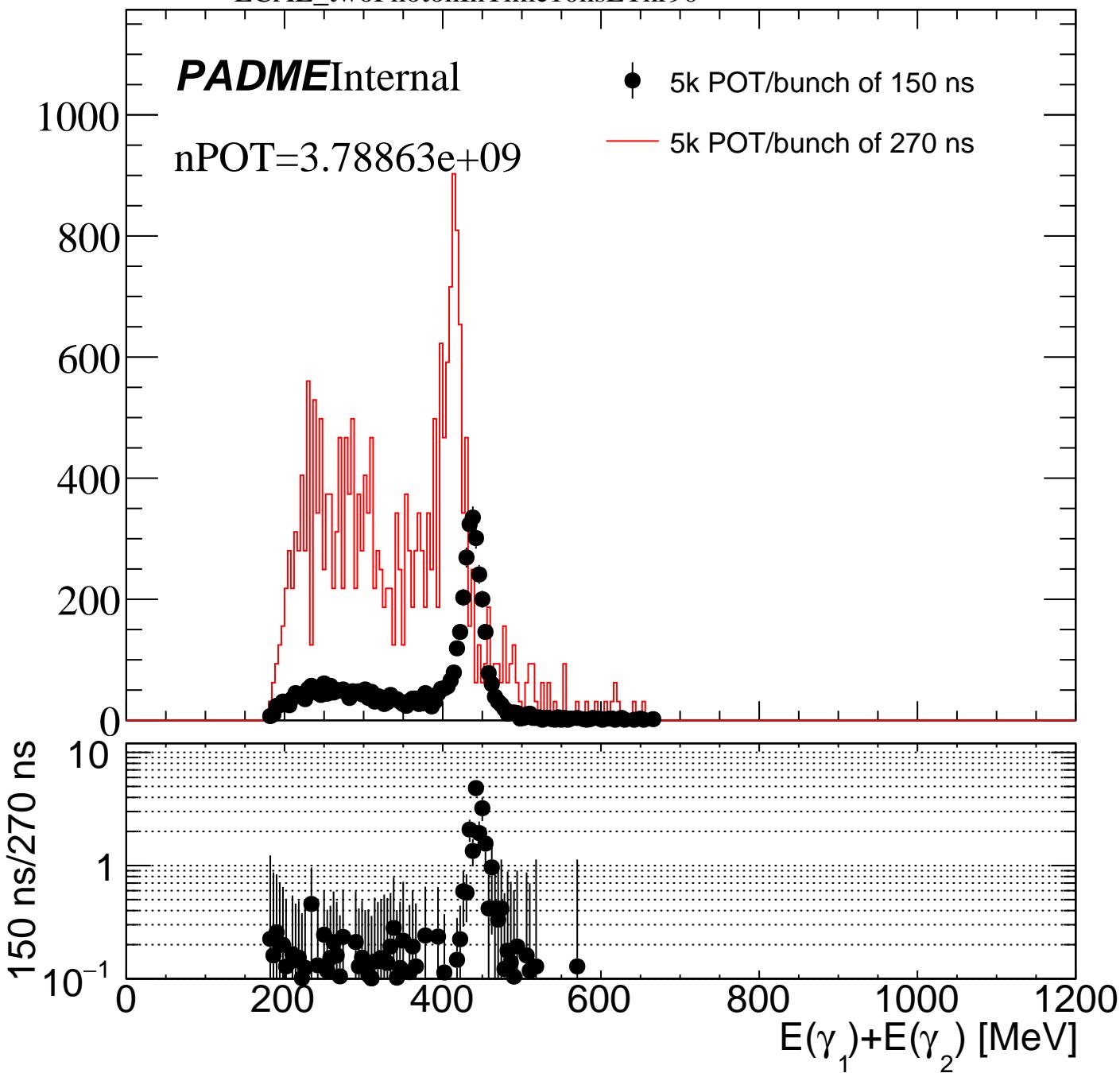
ECAL_gravTwoPhoton10ns1cm20DegreeUnderPeak



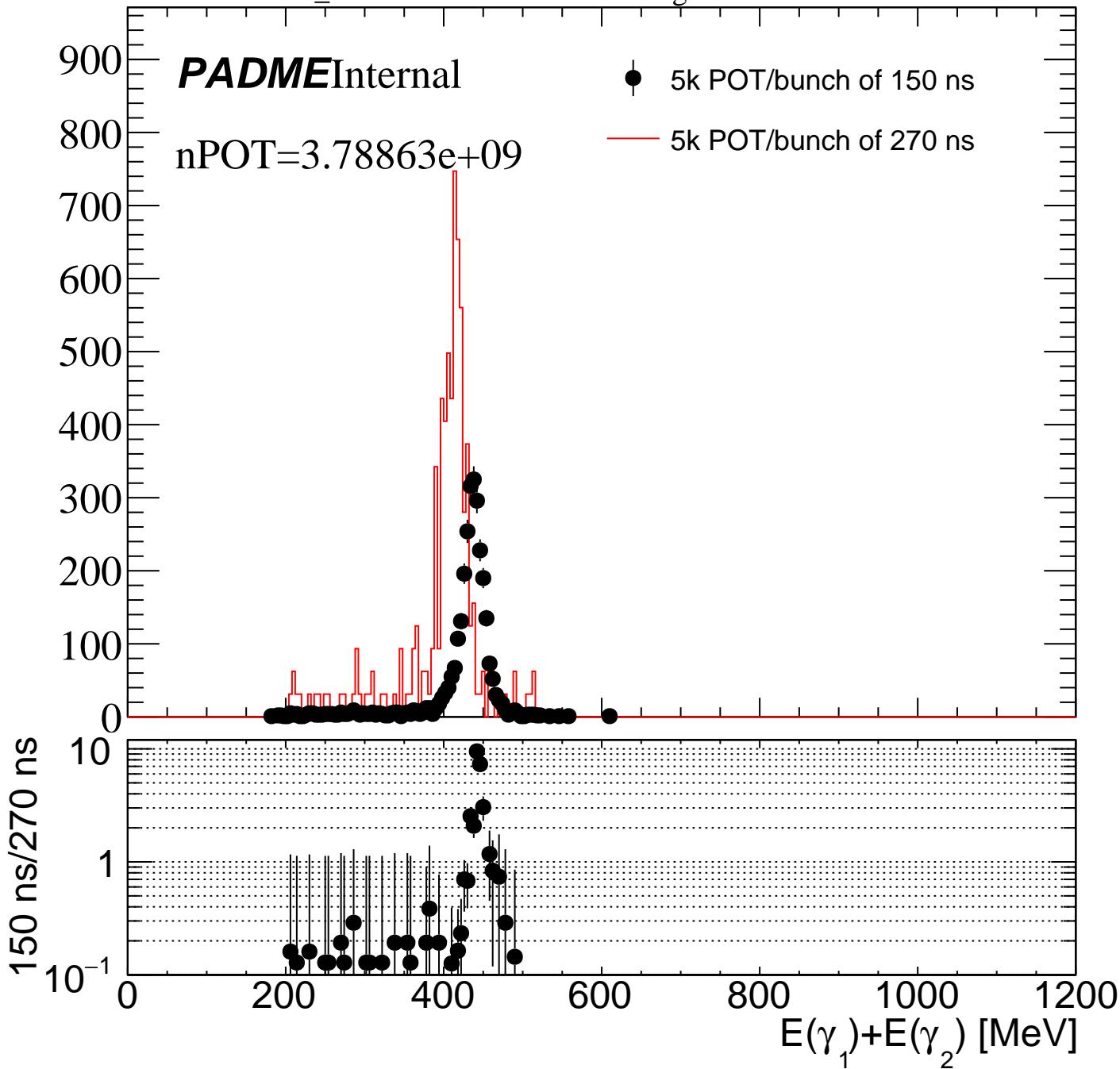
ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaUnderPeak



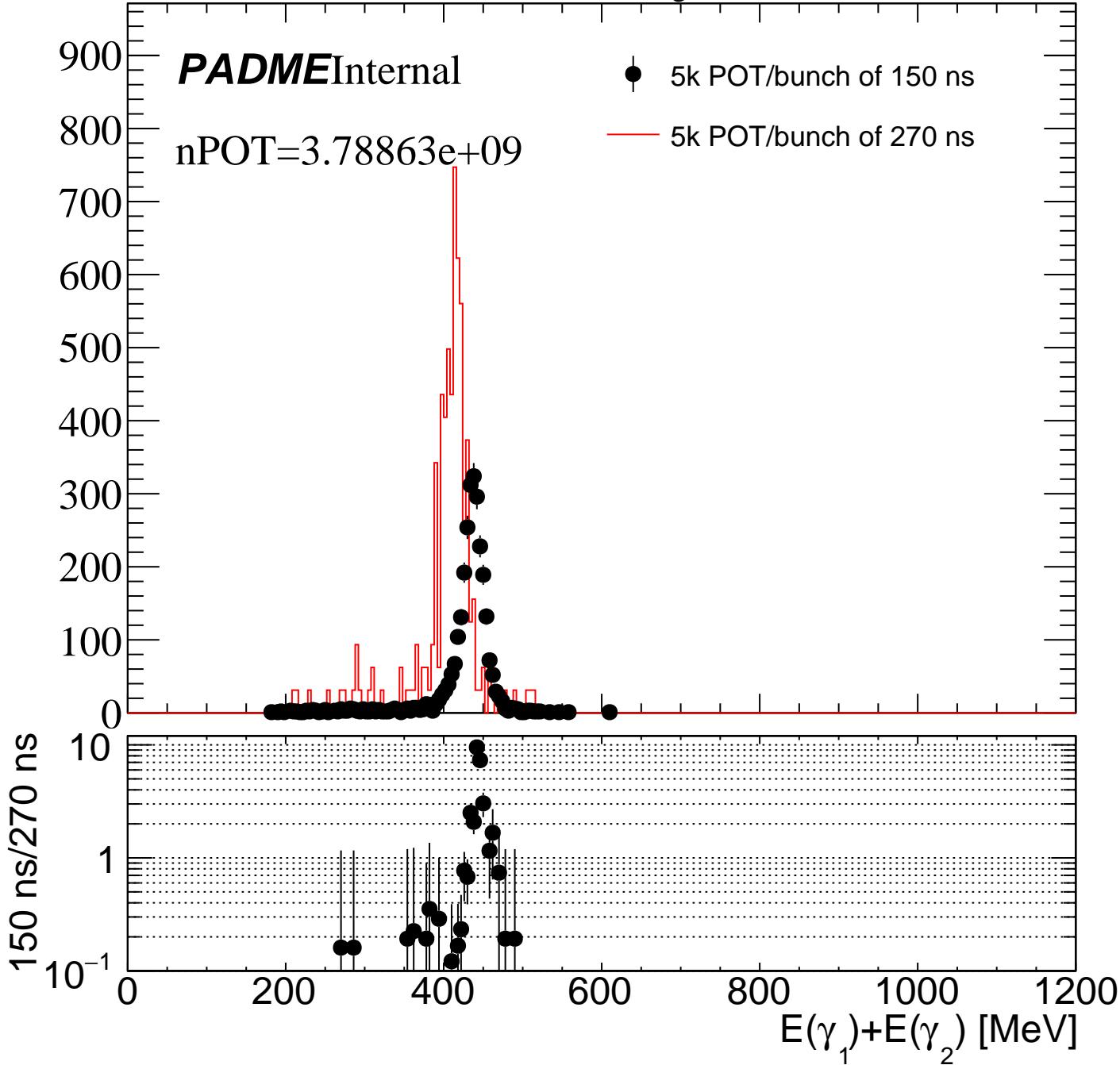
ECAL_twoPhotonInTime10nsEThr90



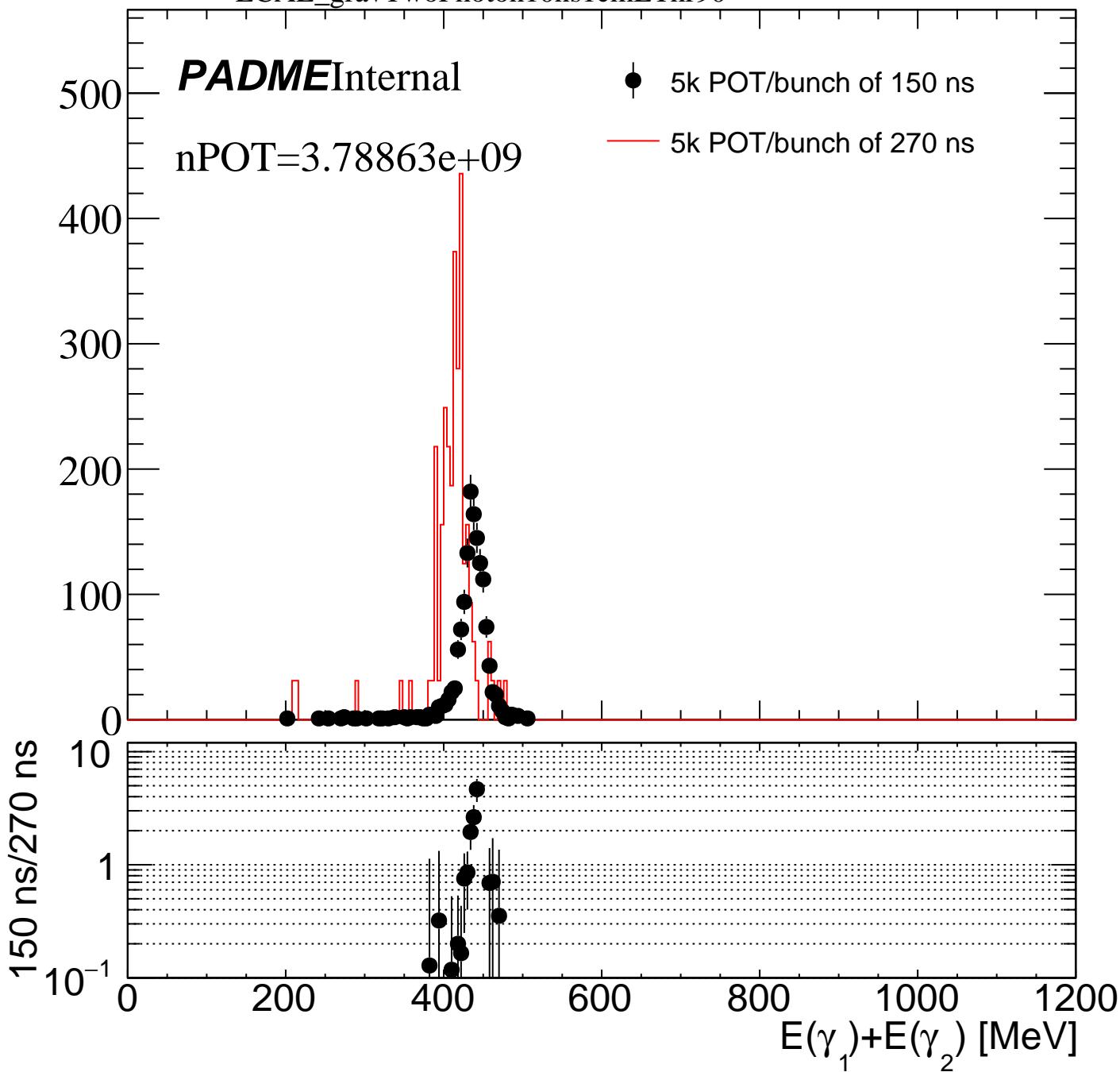
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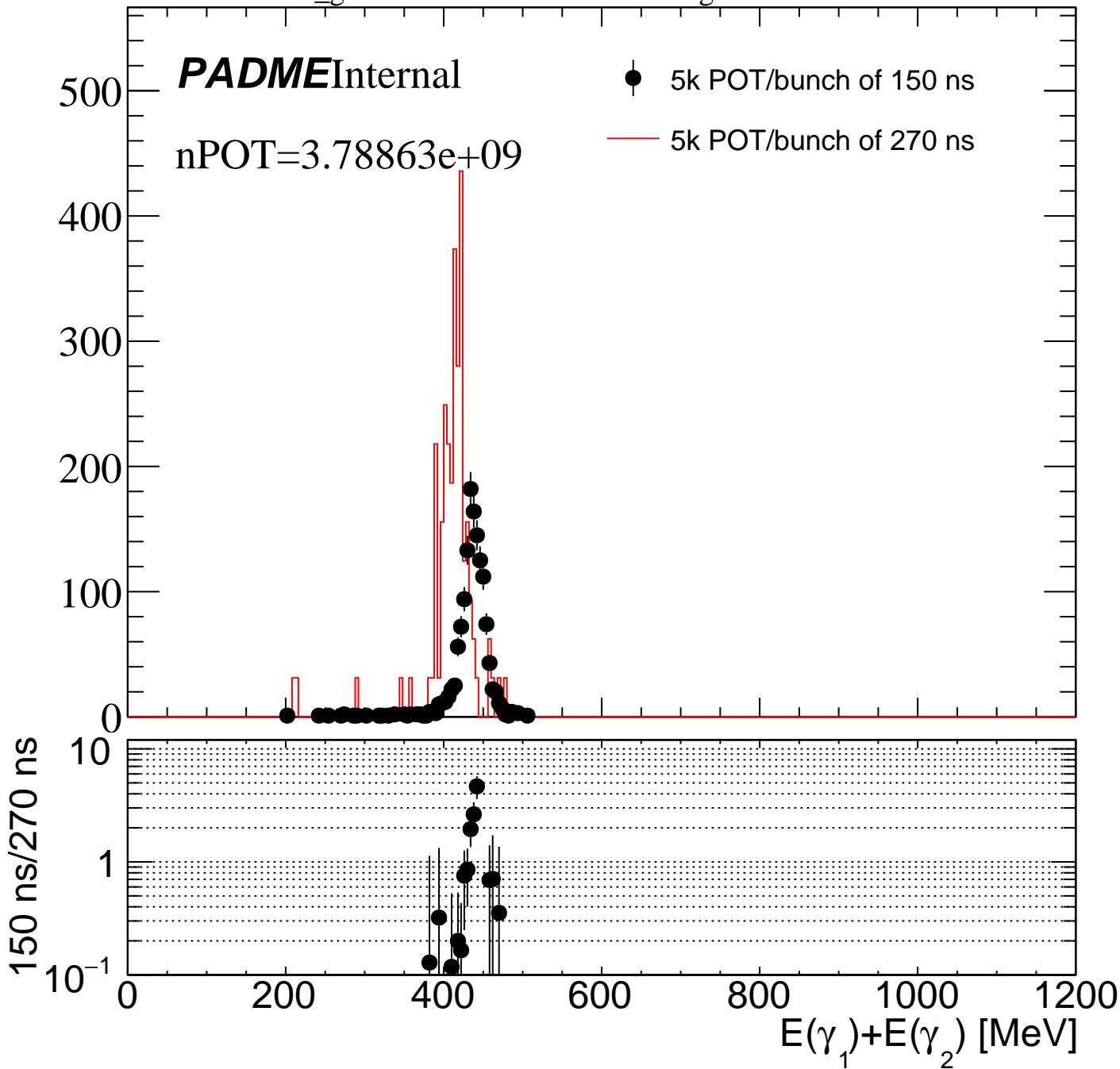
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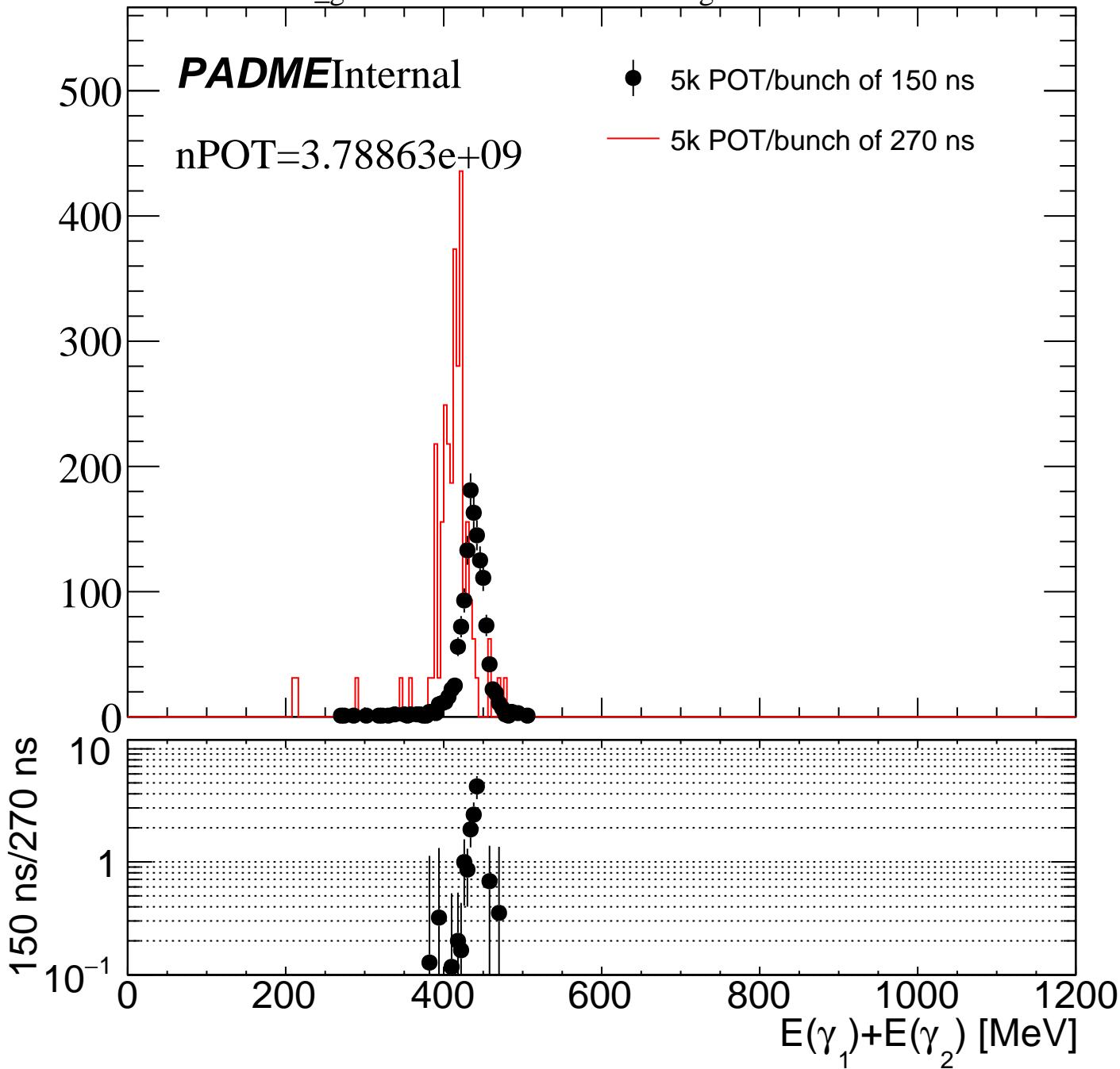
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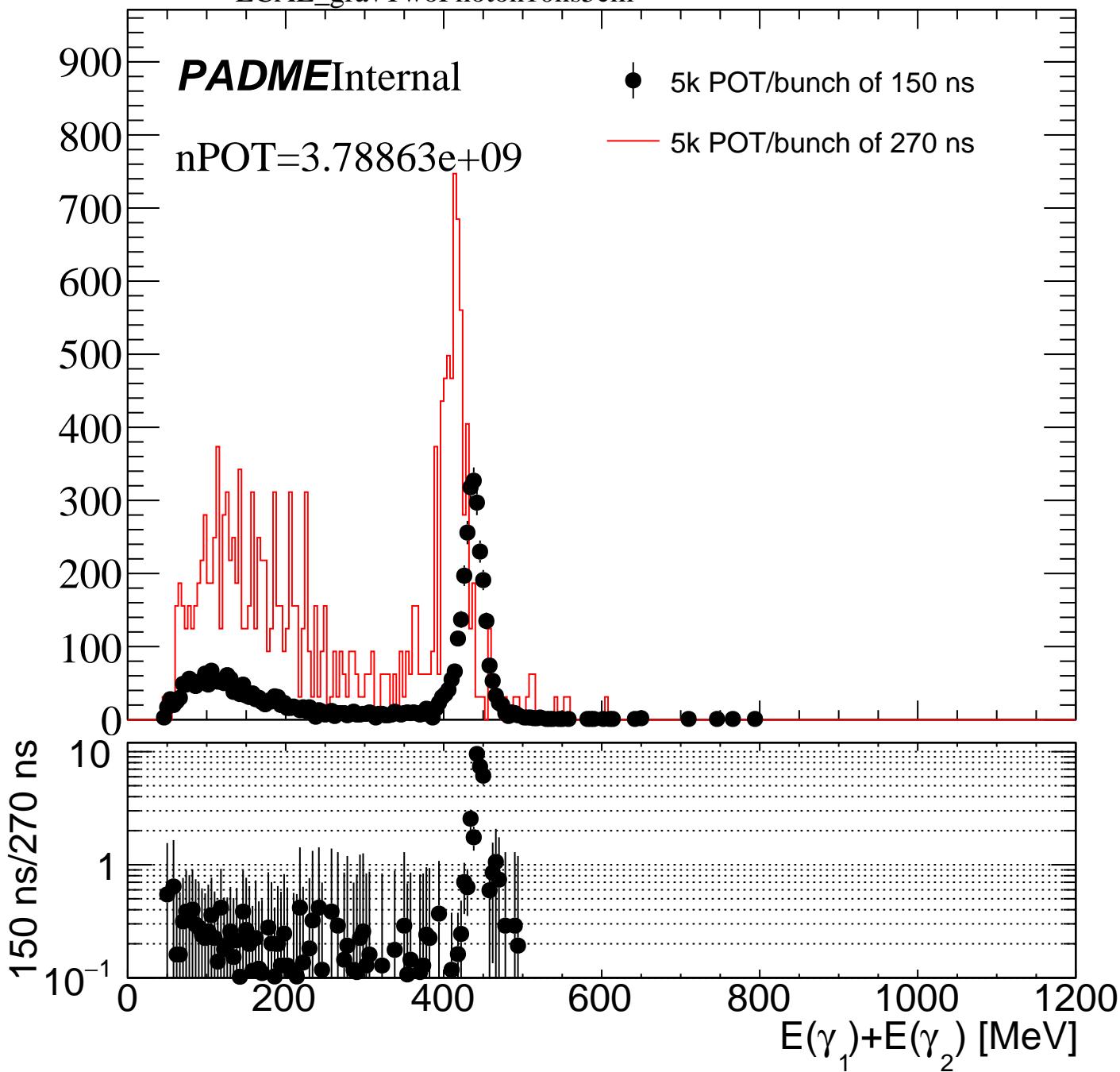
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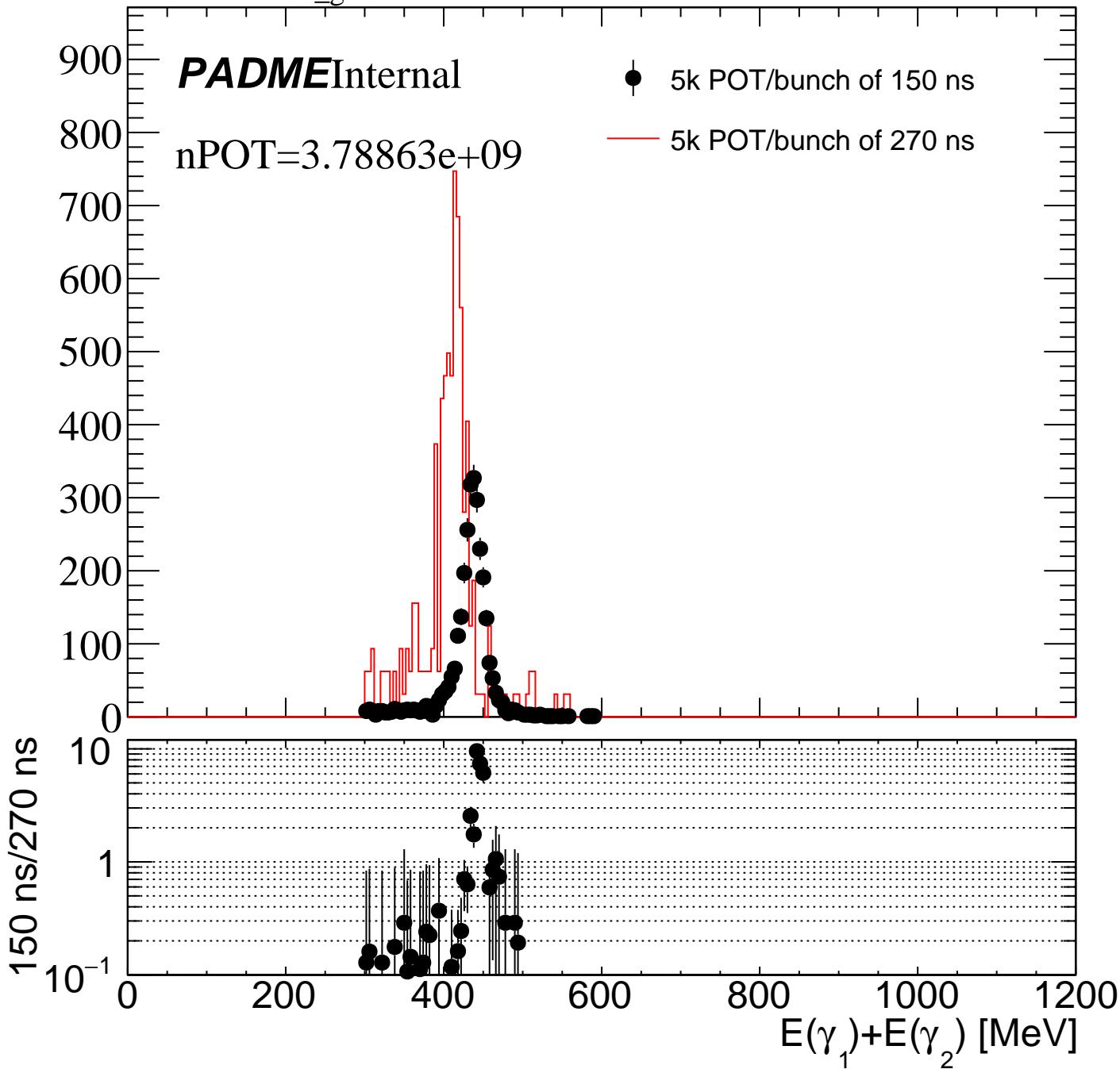
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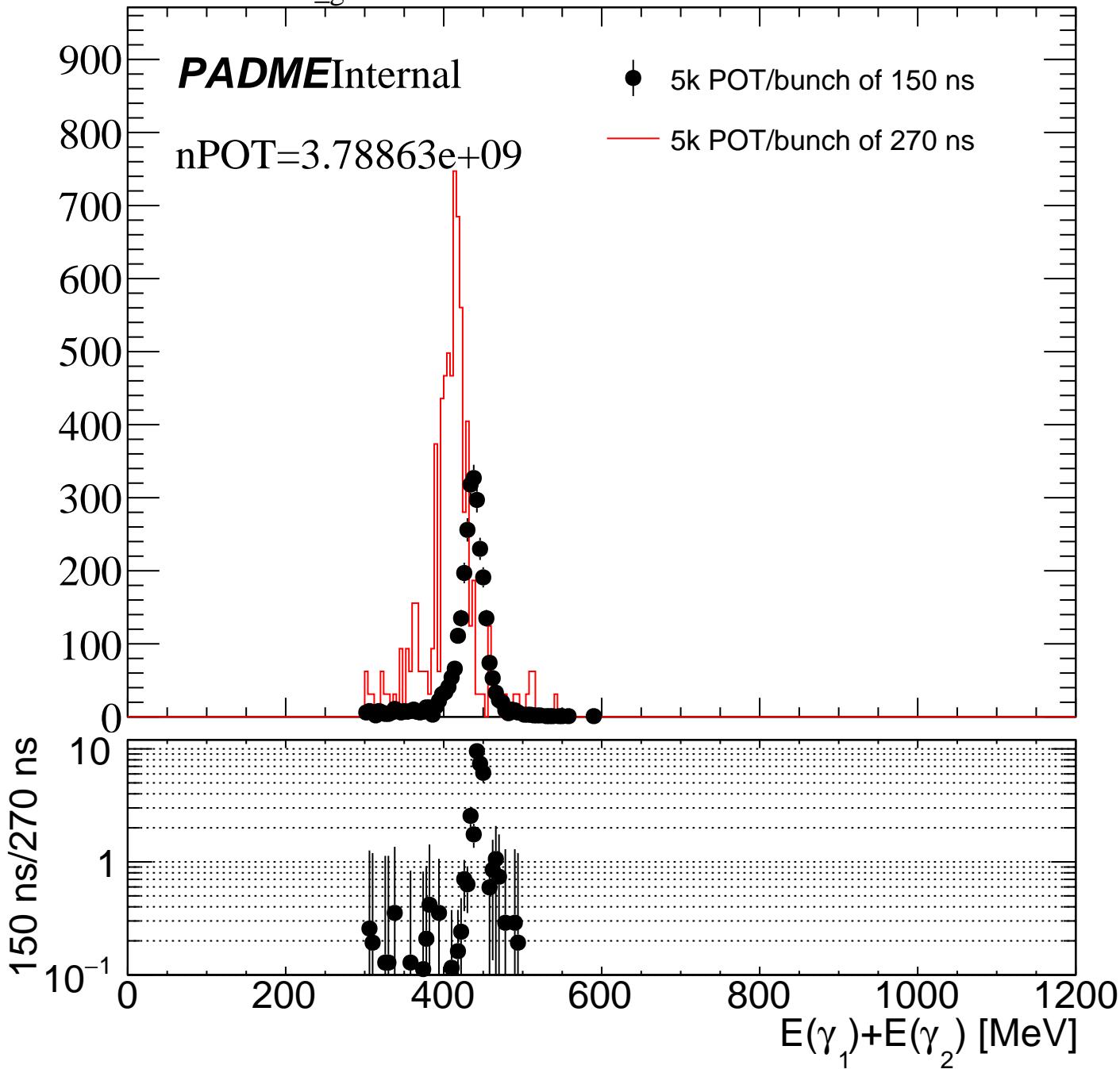
ECAL_gravTwoPhoton10ns5cm



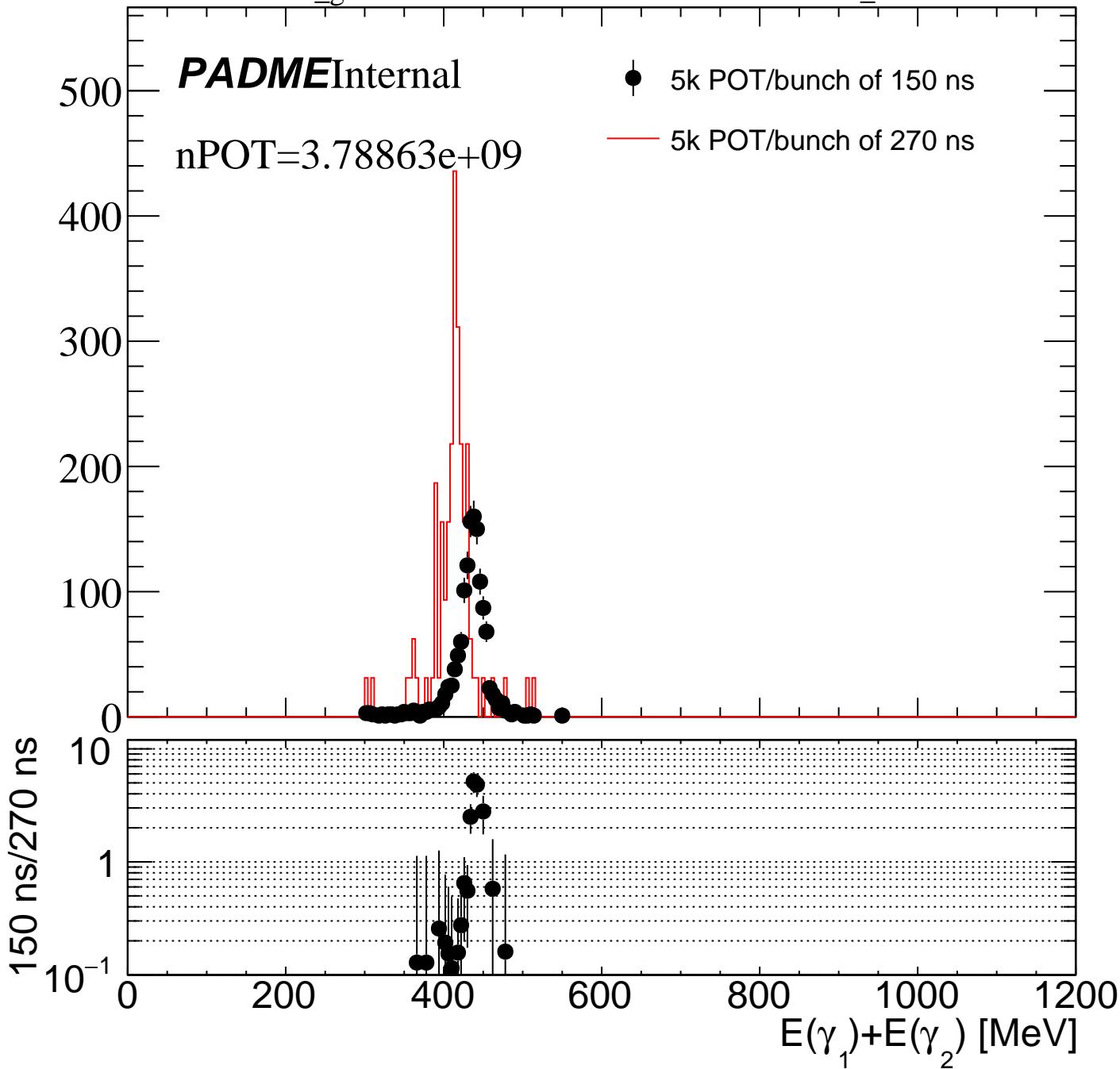
ECAL_gravTwoPhoton10ns5cmUnderPeak



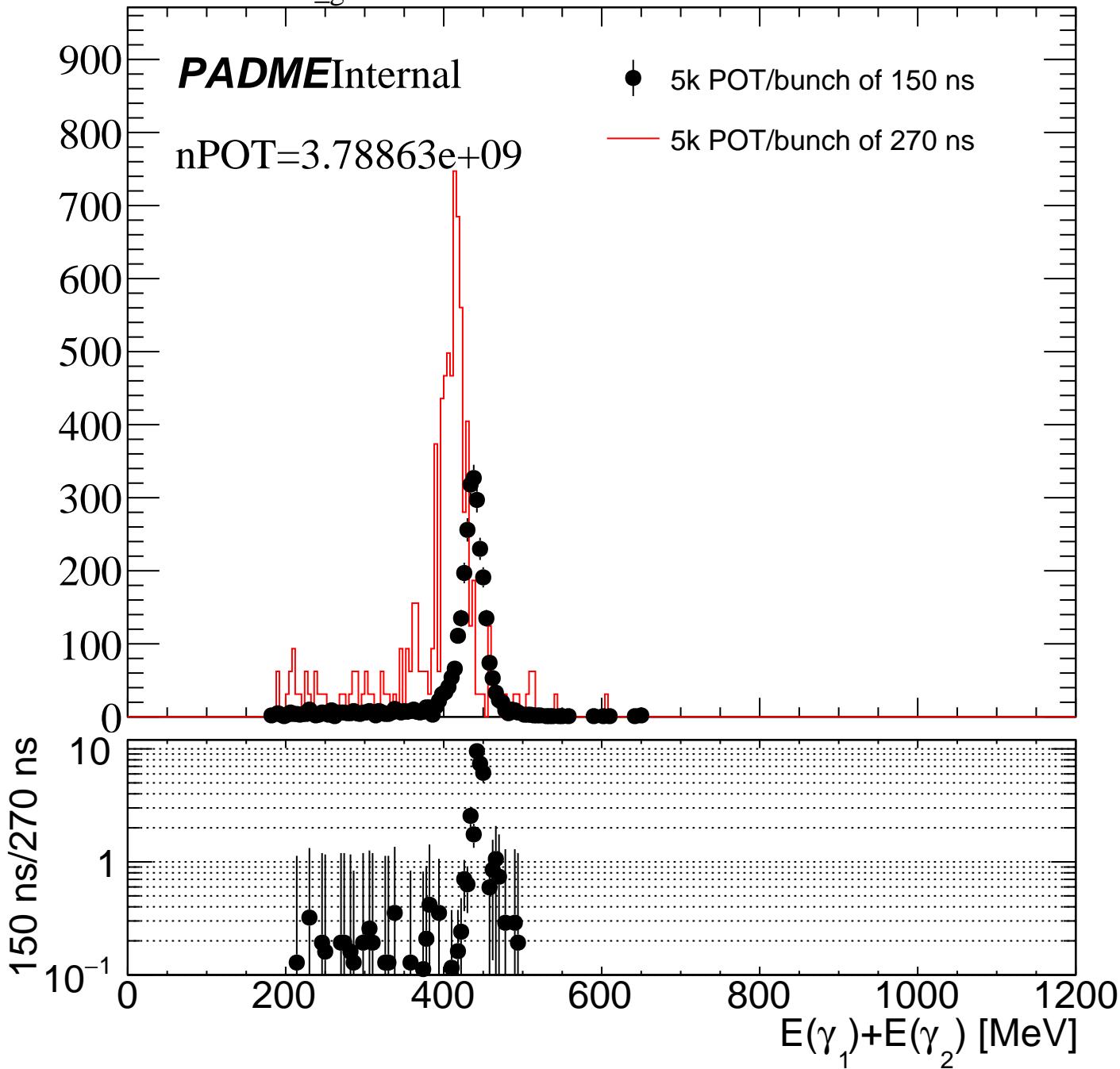
ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90



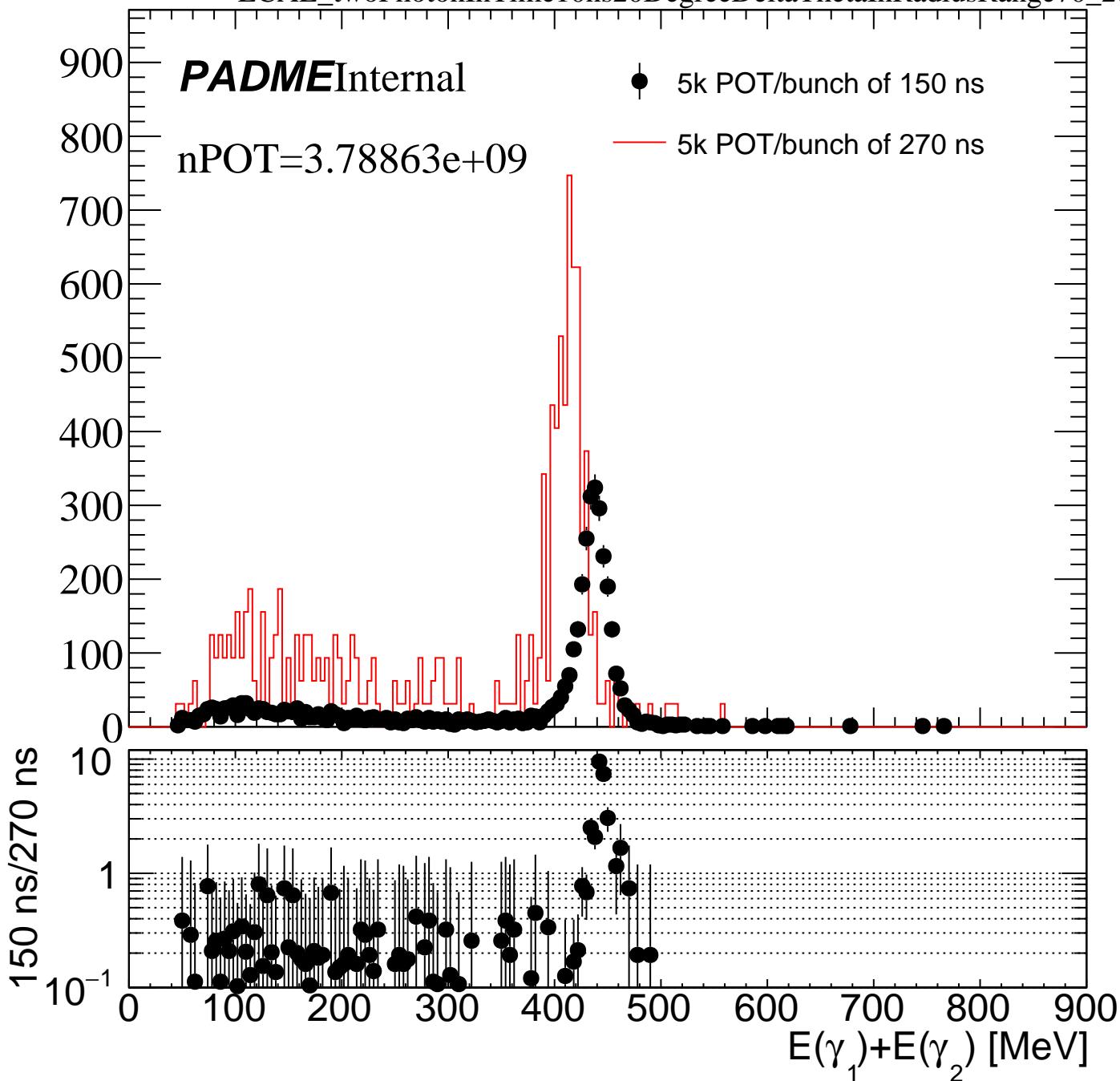
ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90_FRY

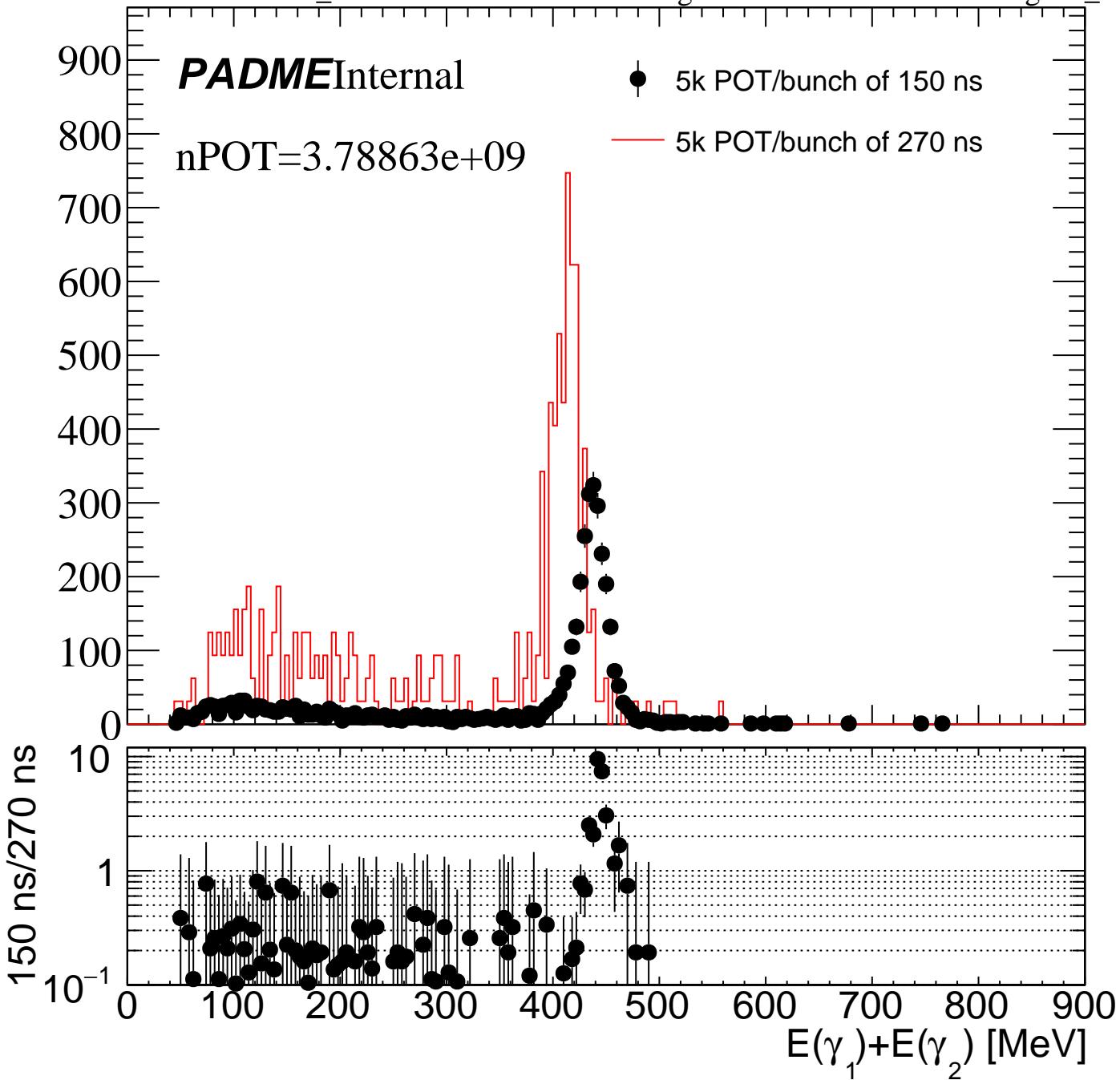


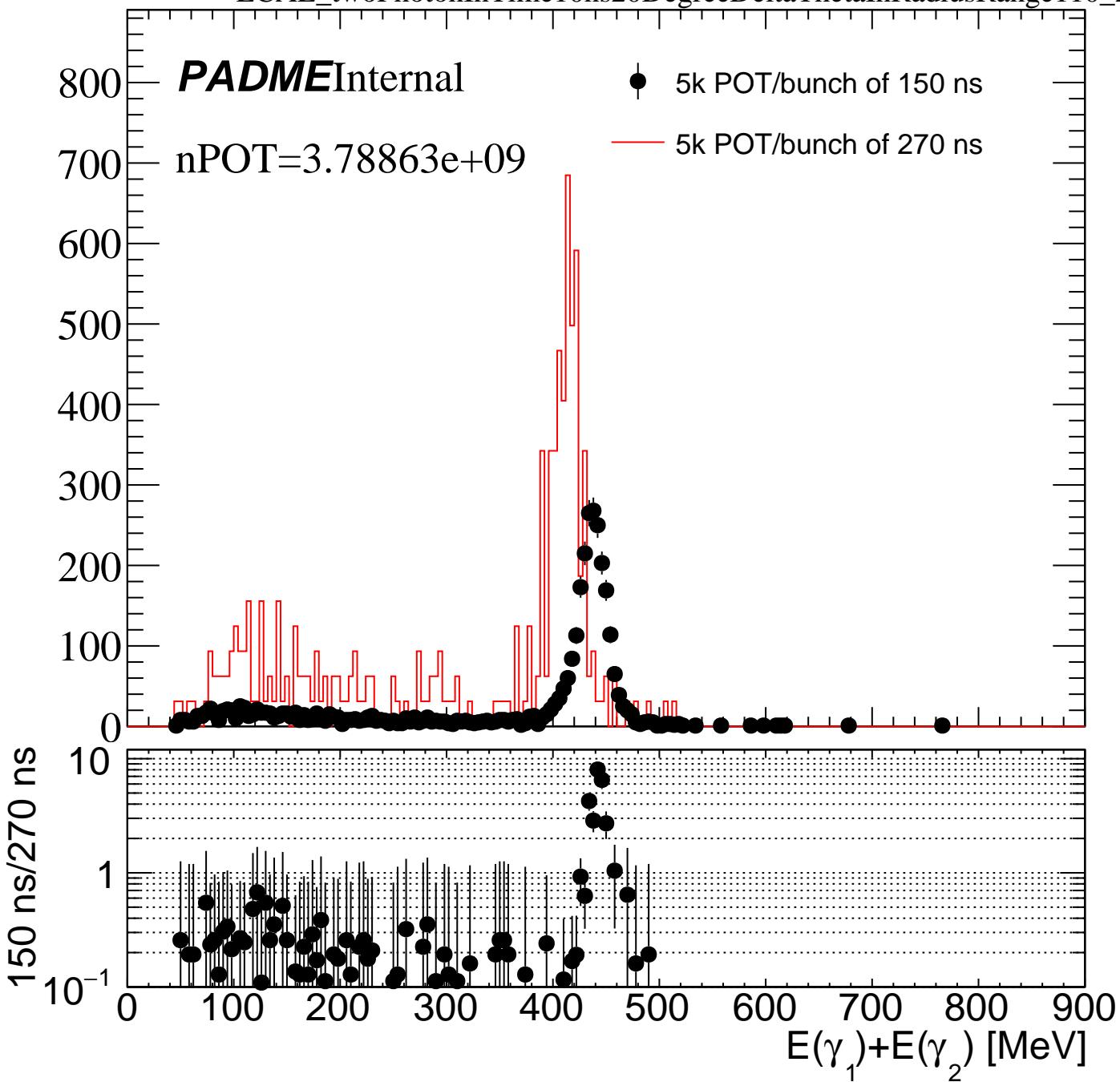
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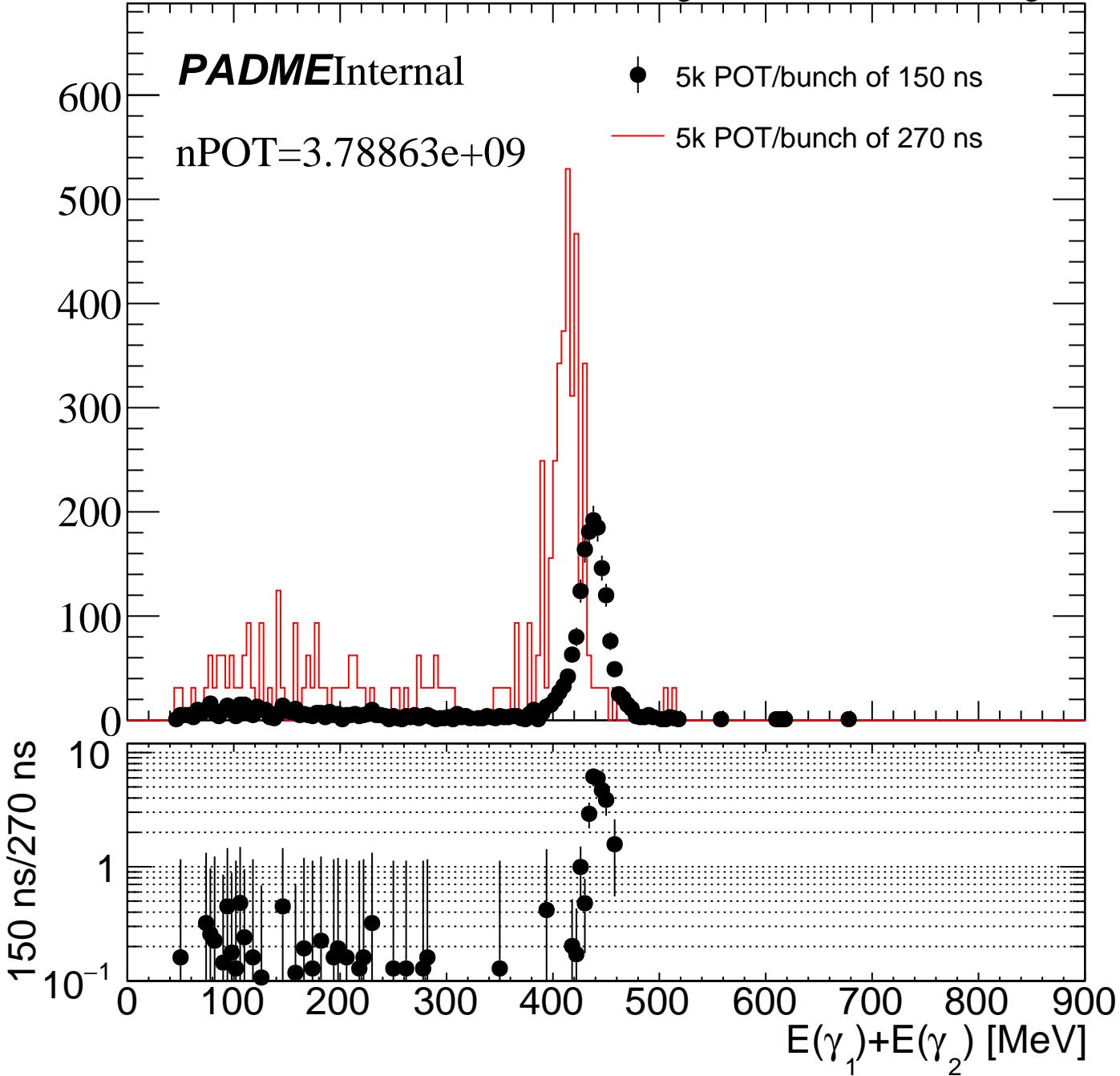


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280

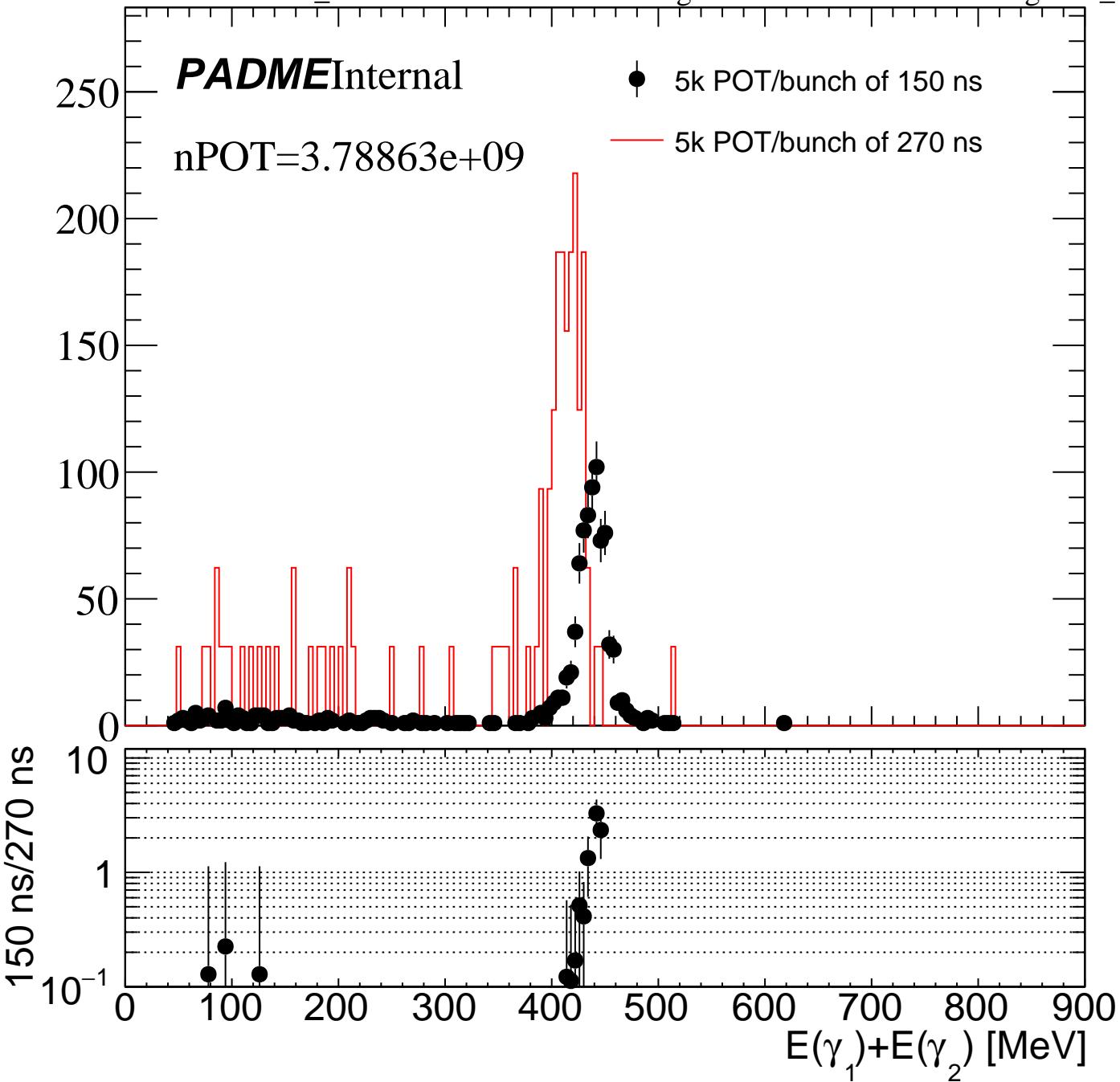


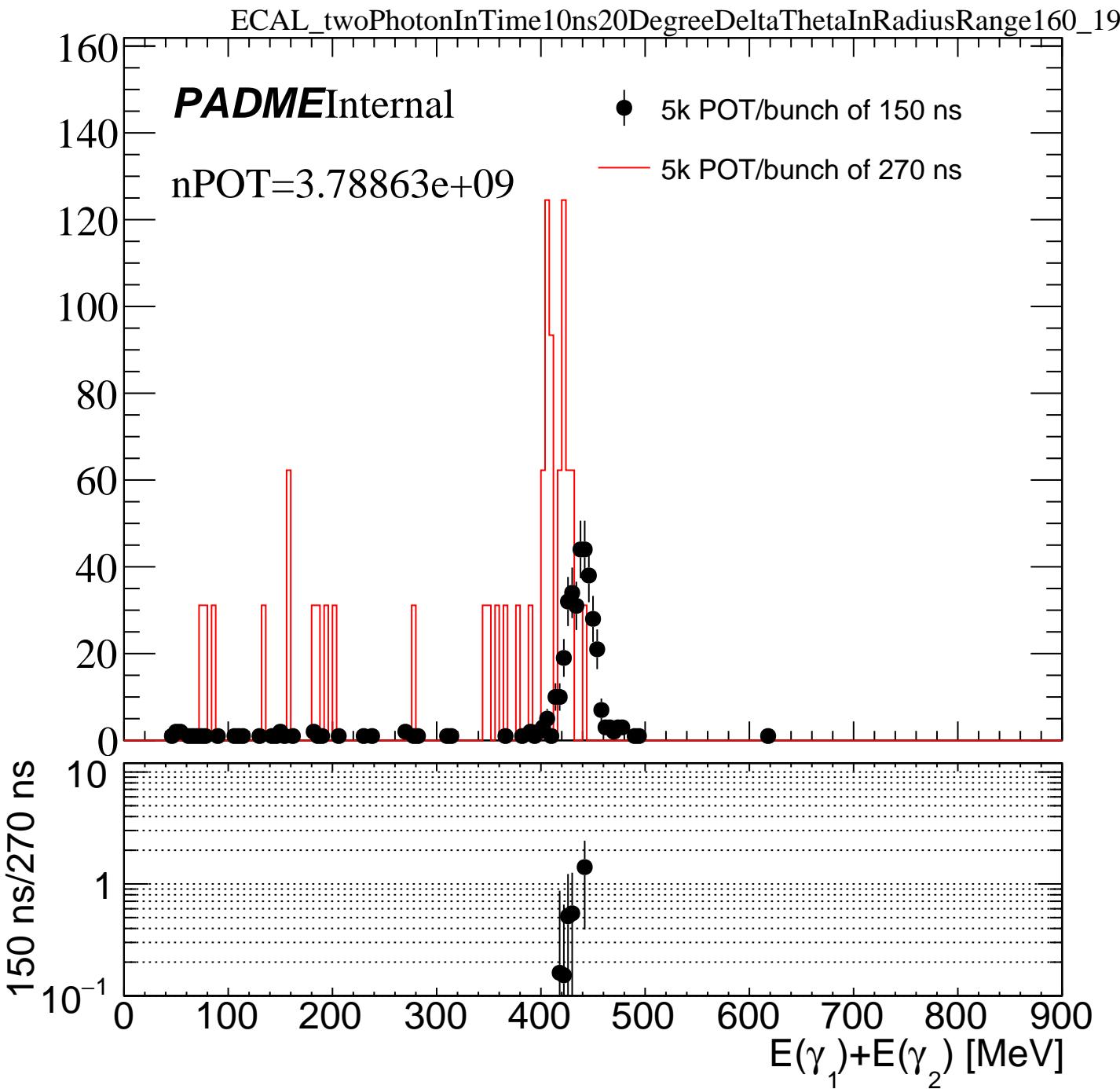




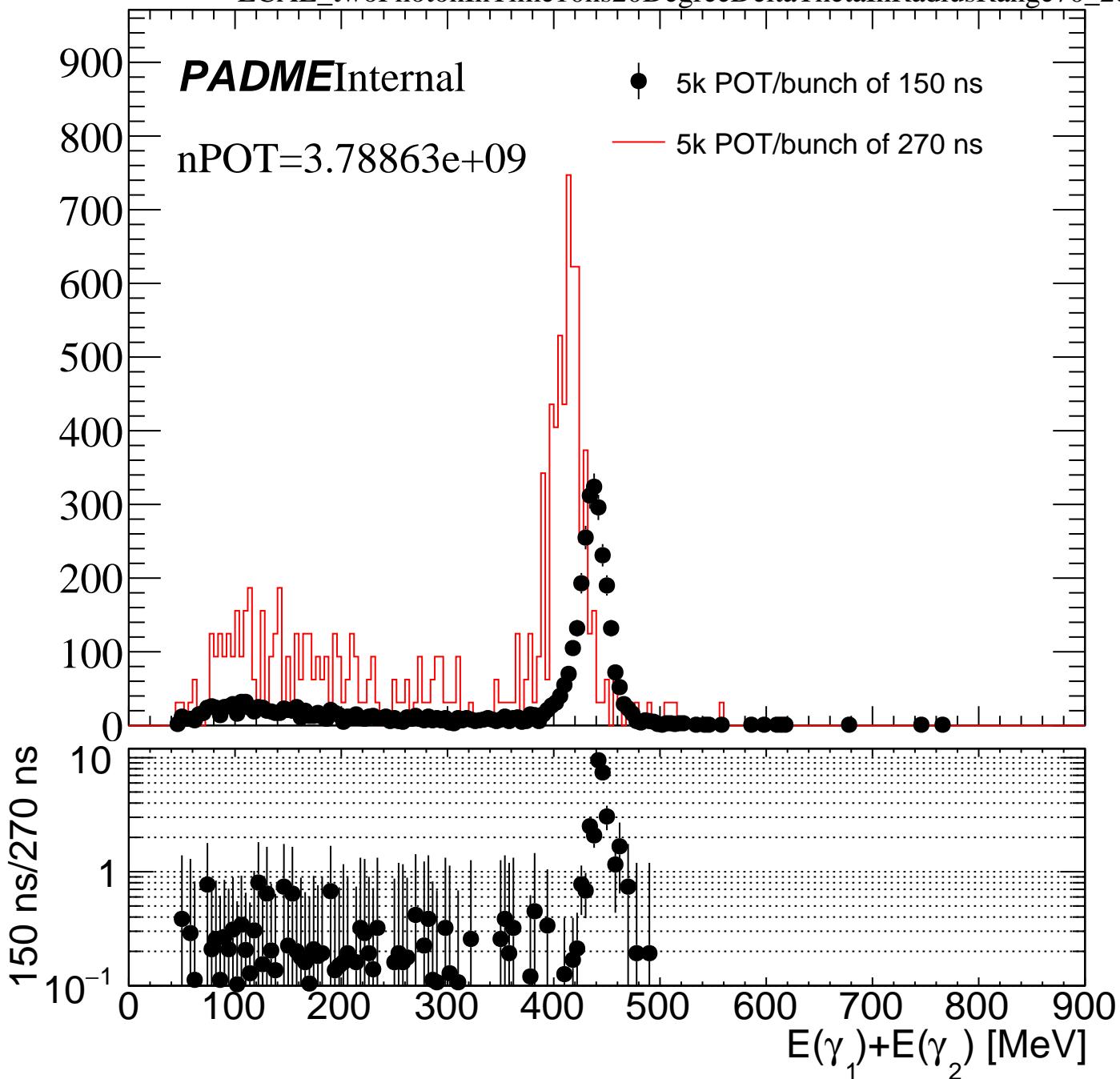


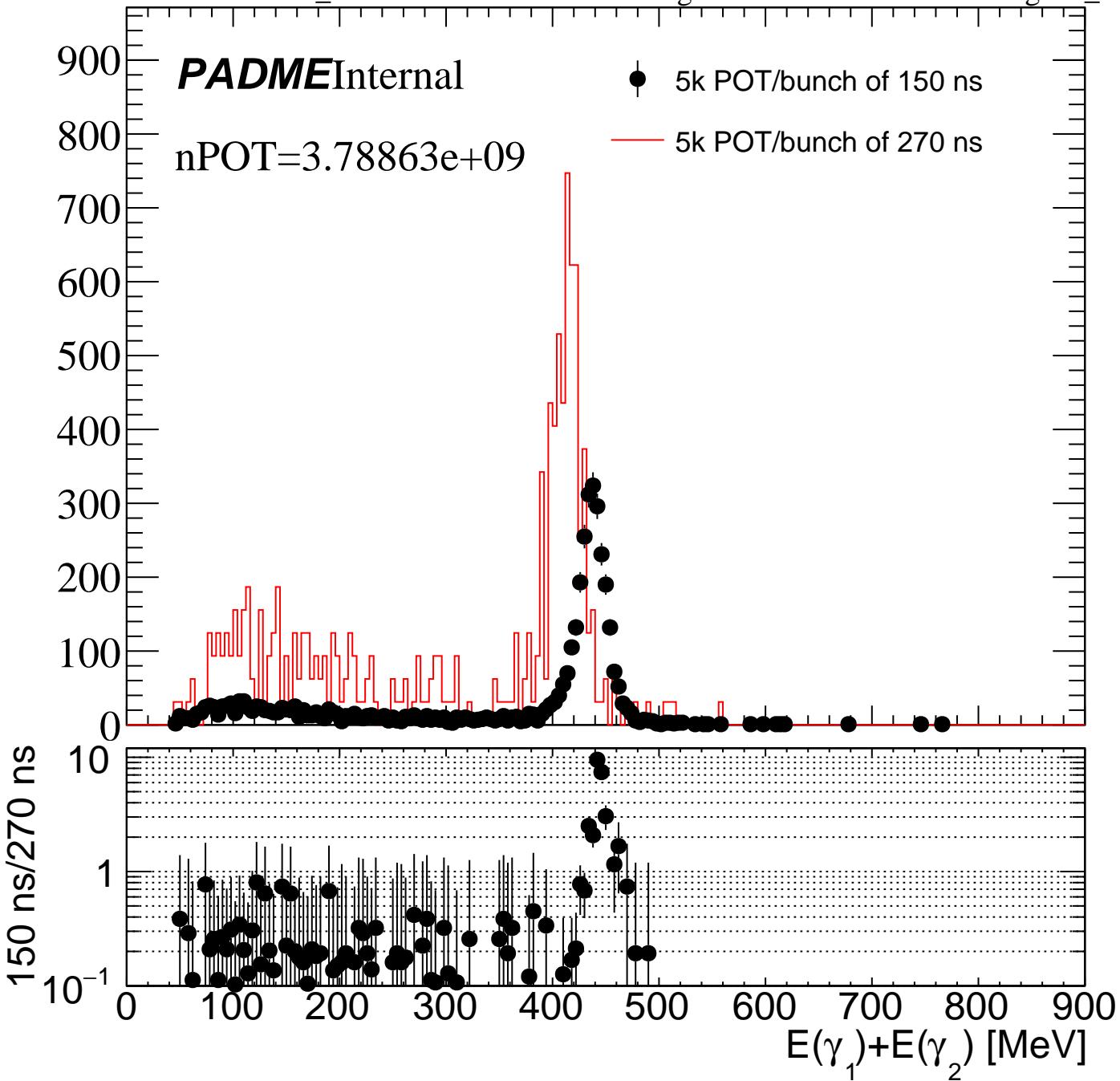
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20



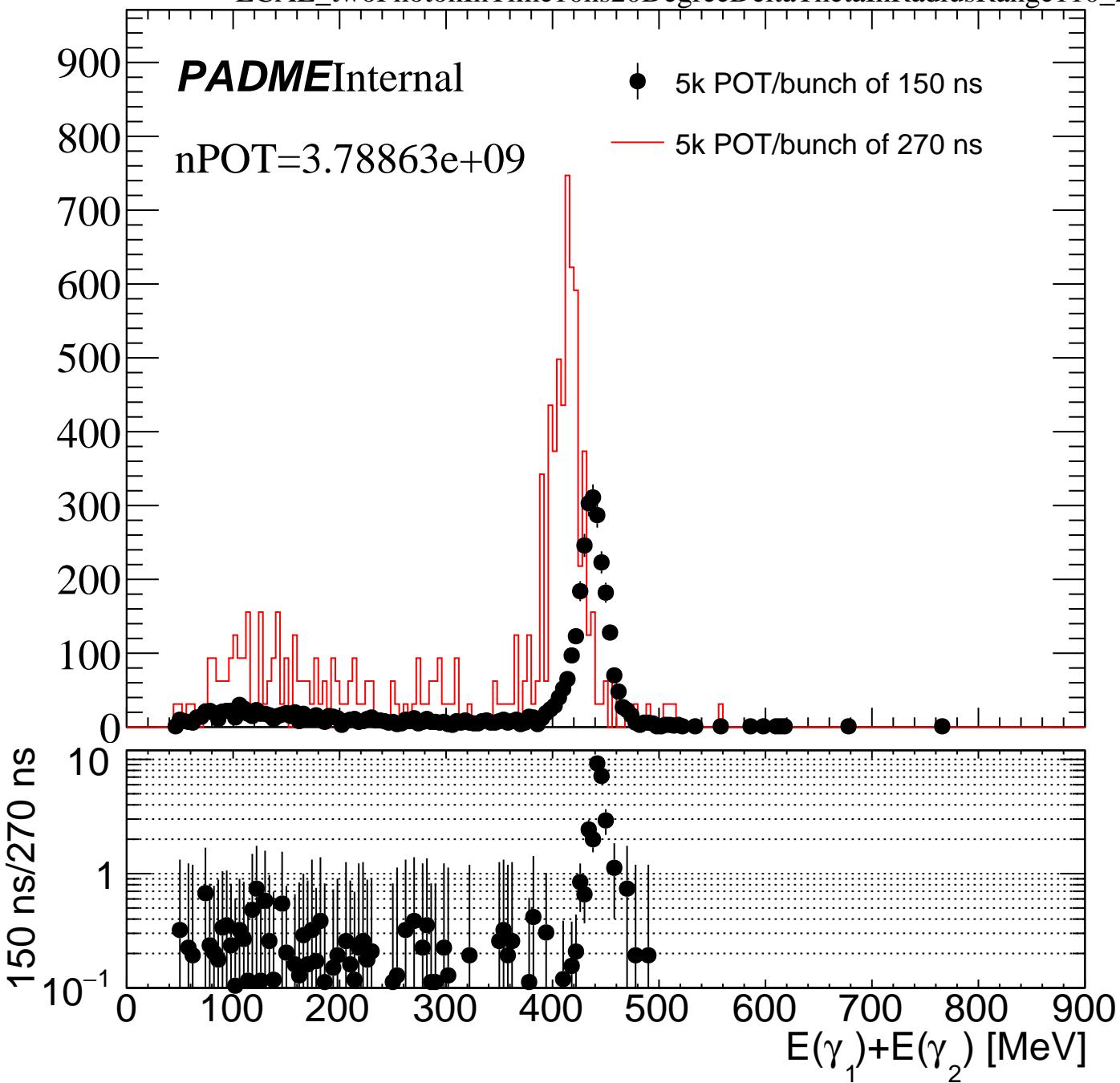


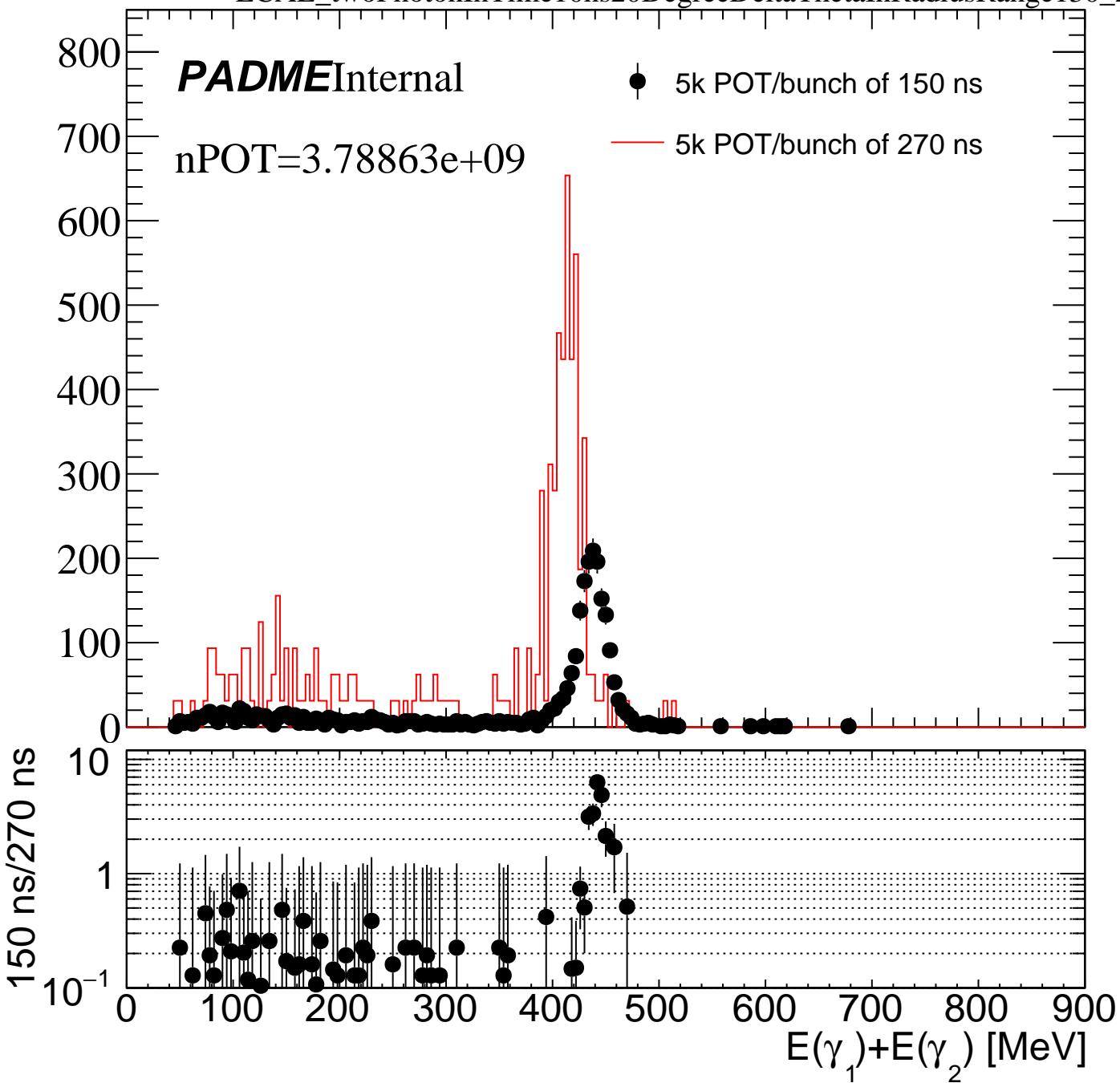
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280



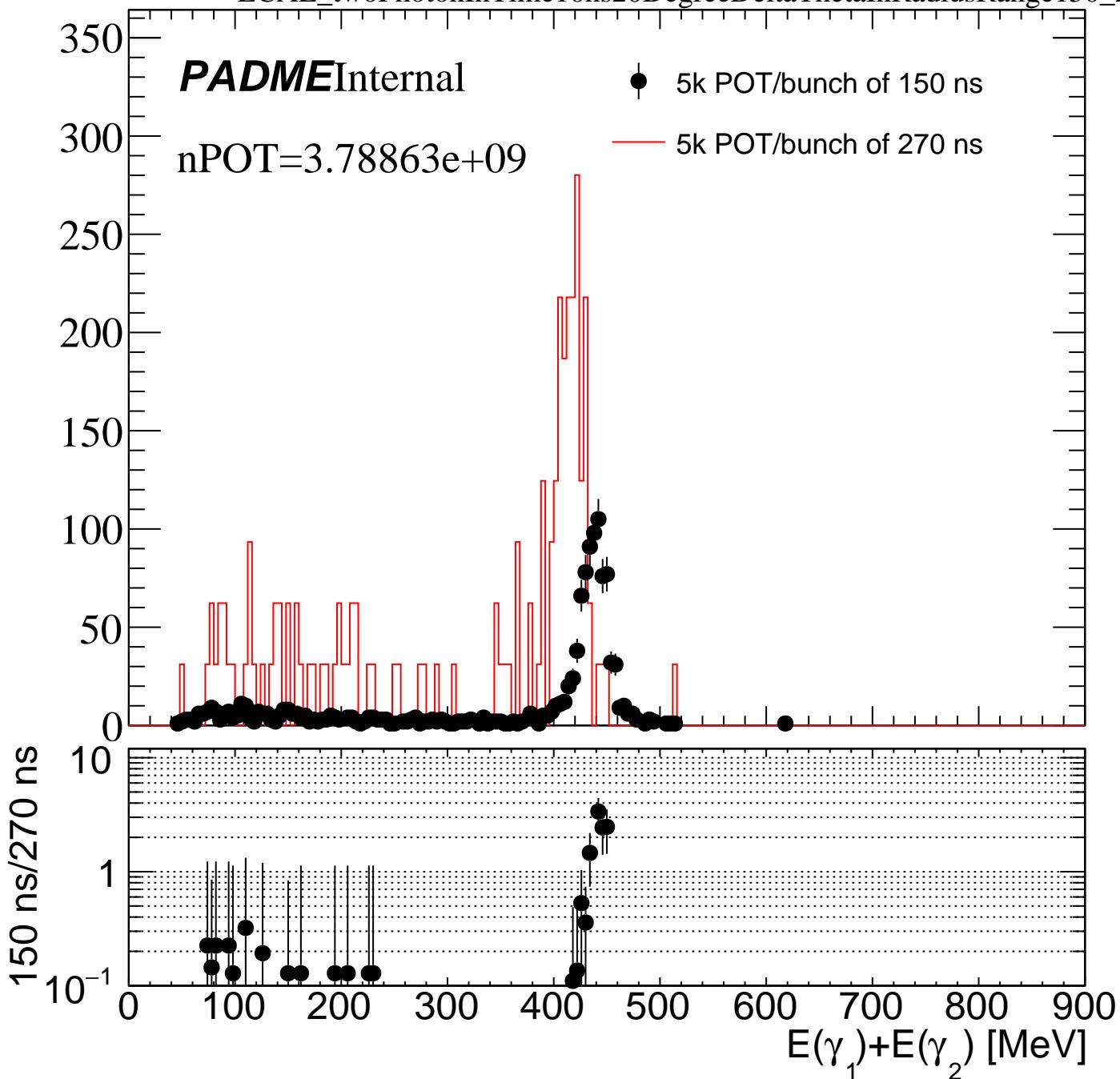


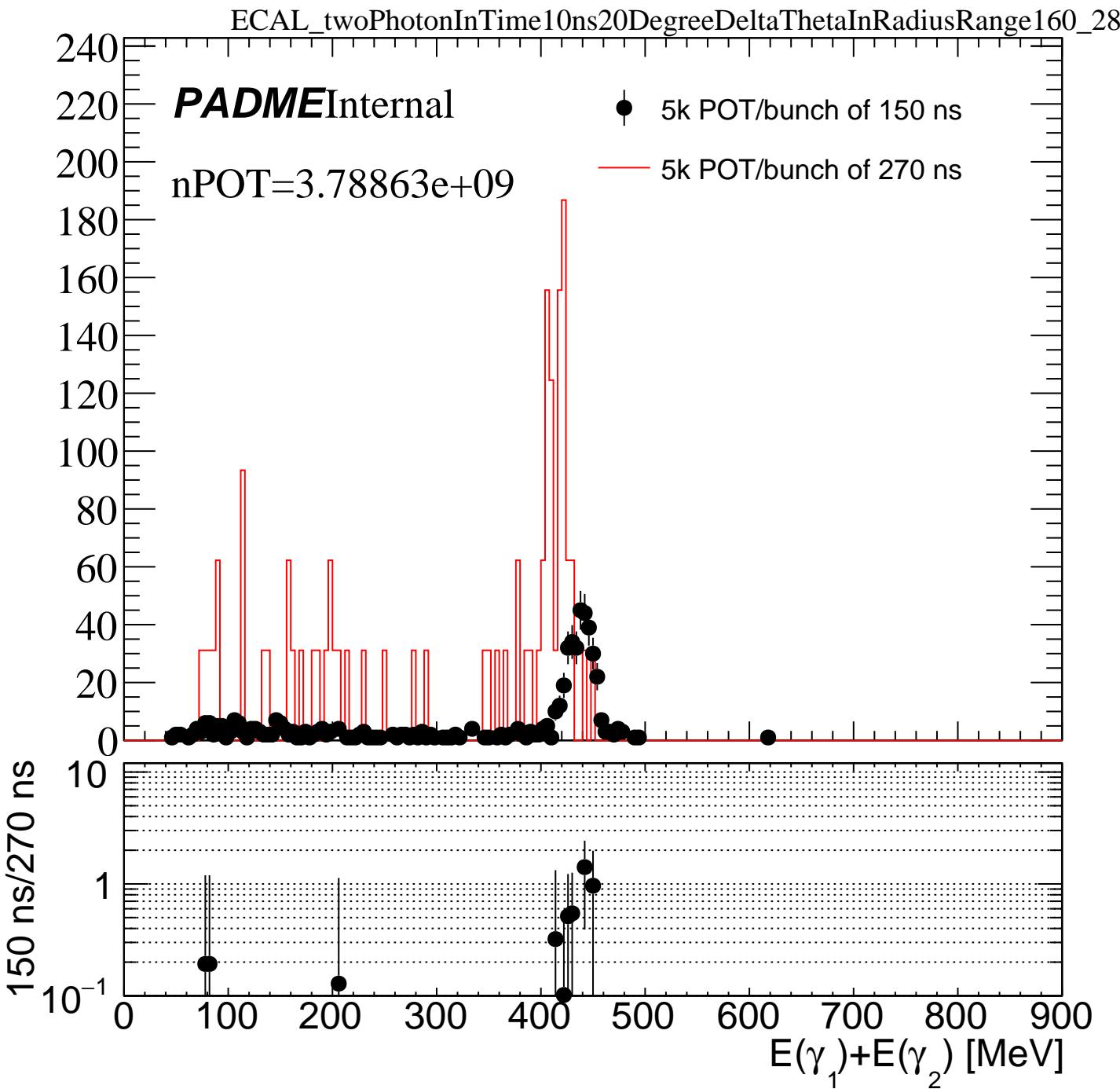
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28



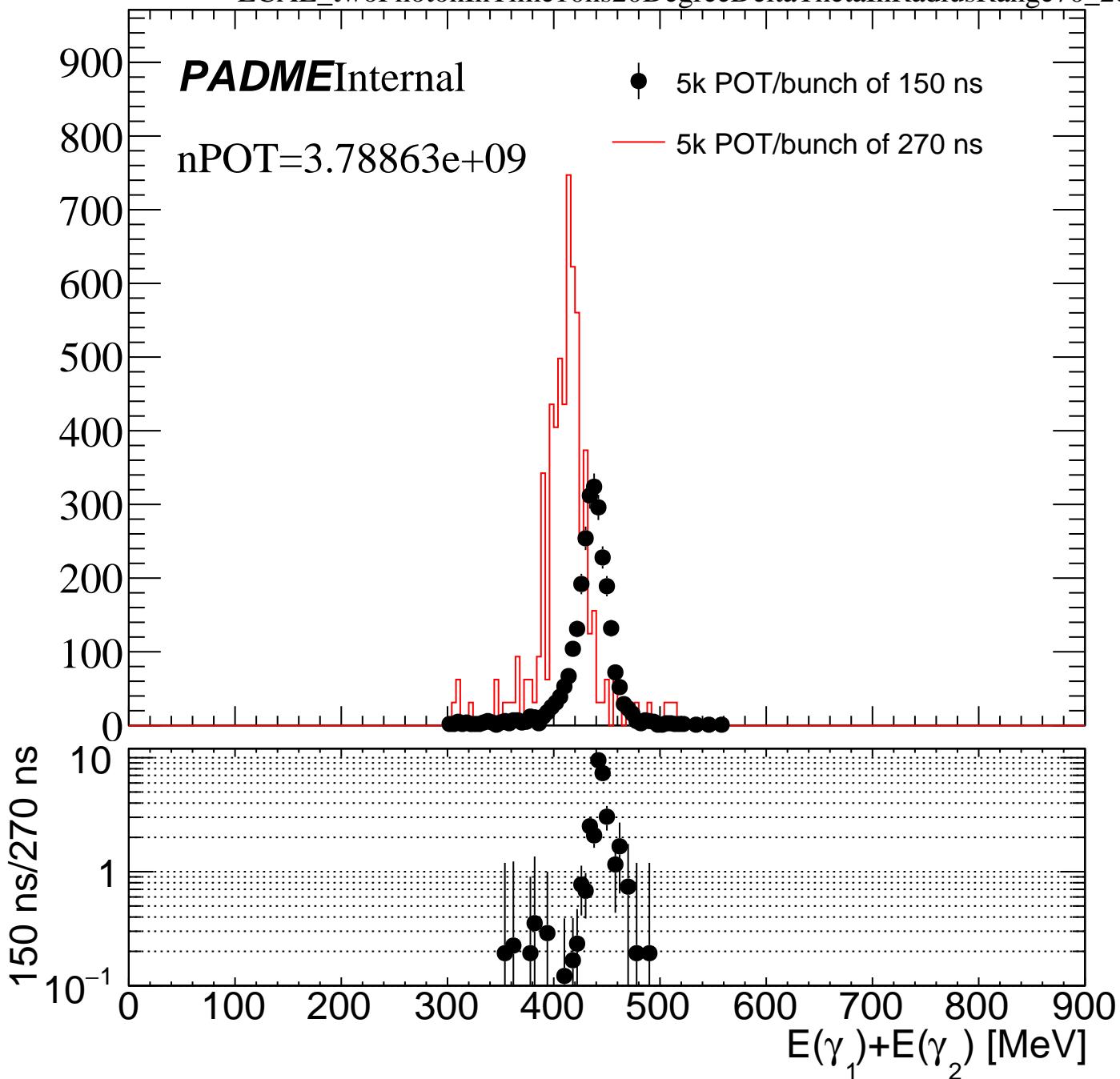


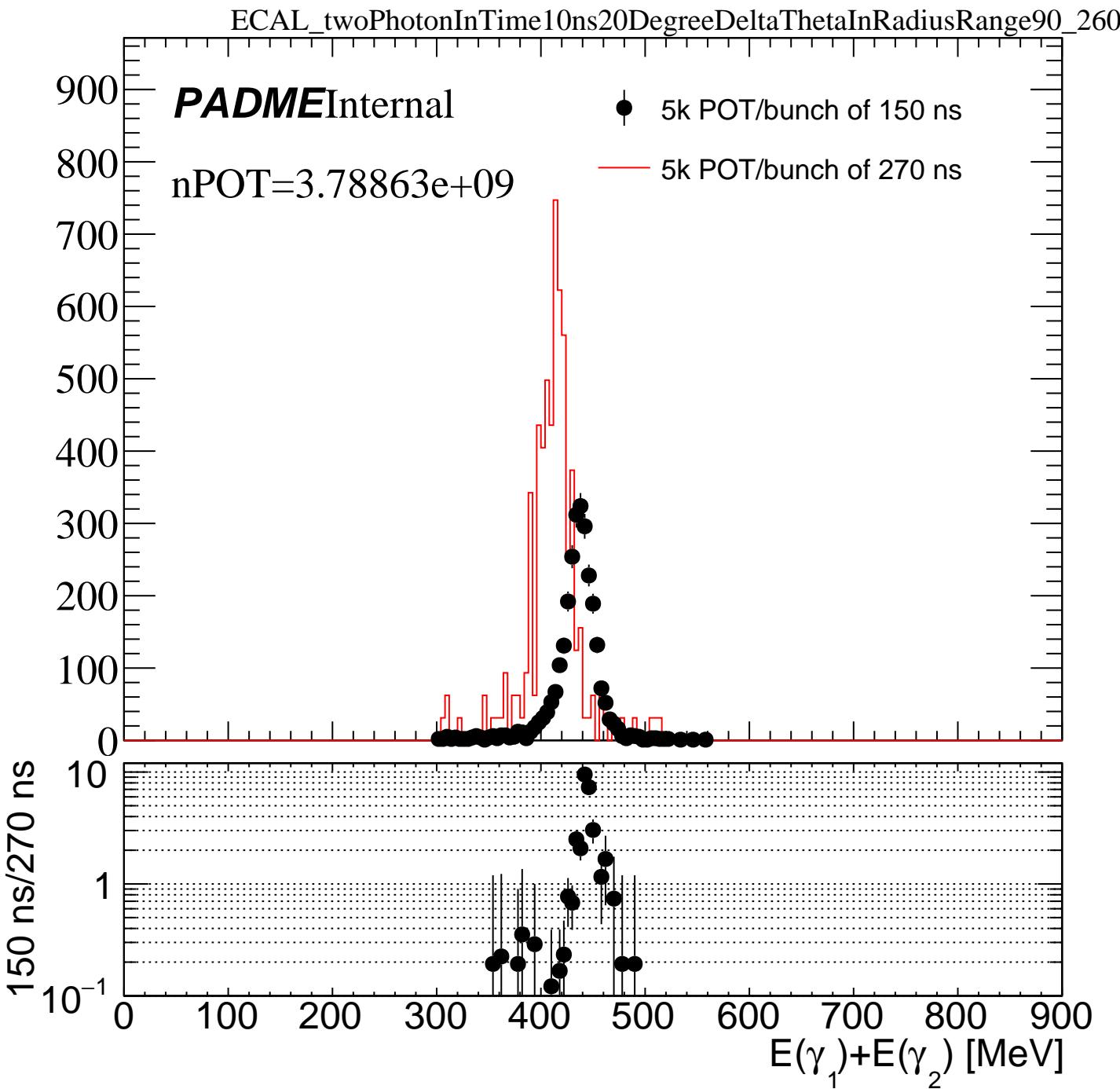
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28



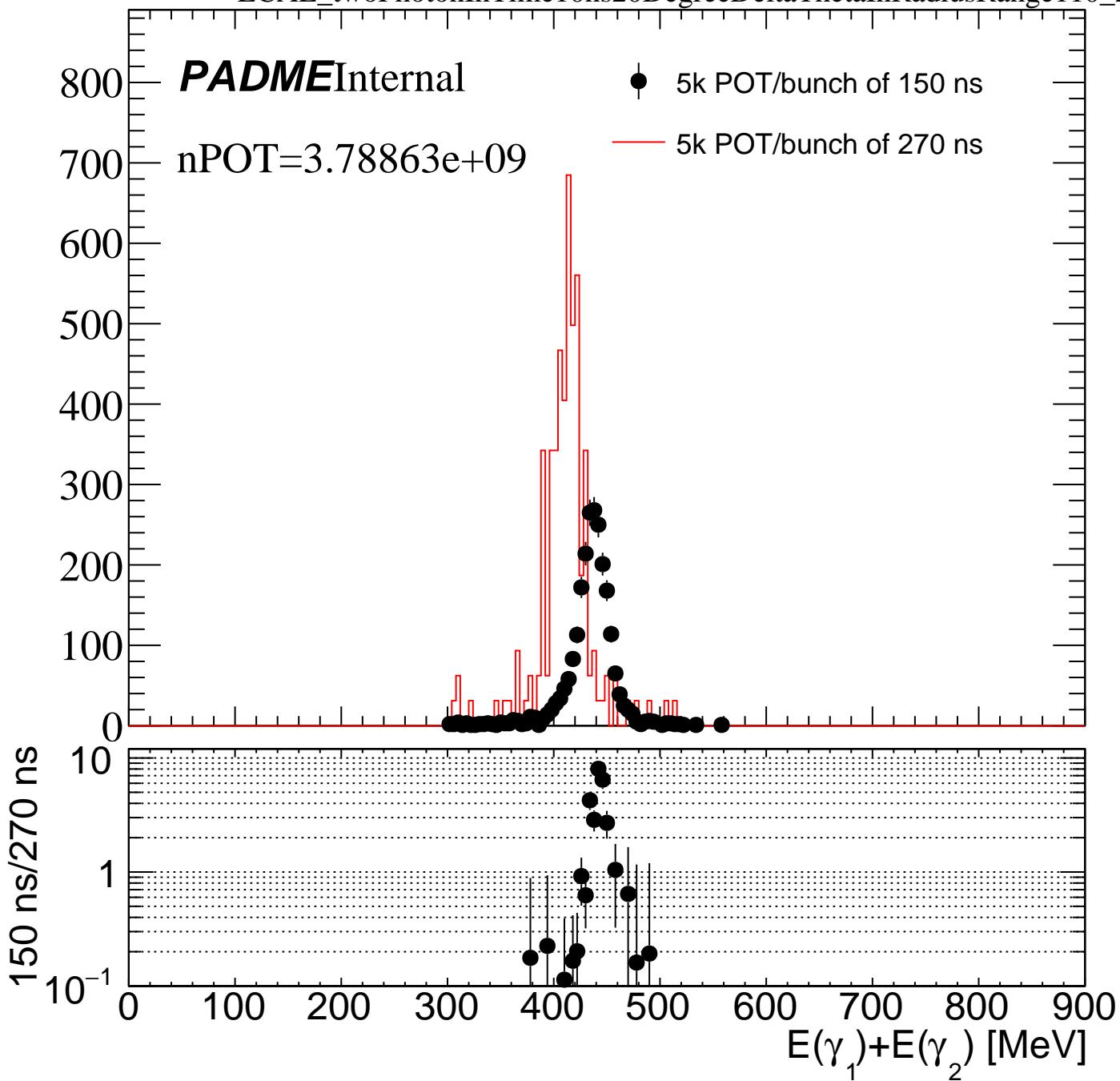


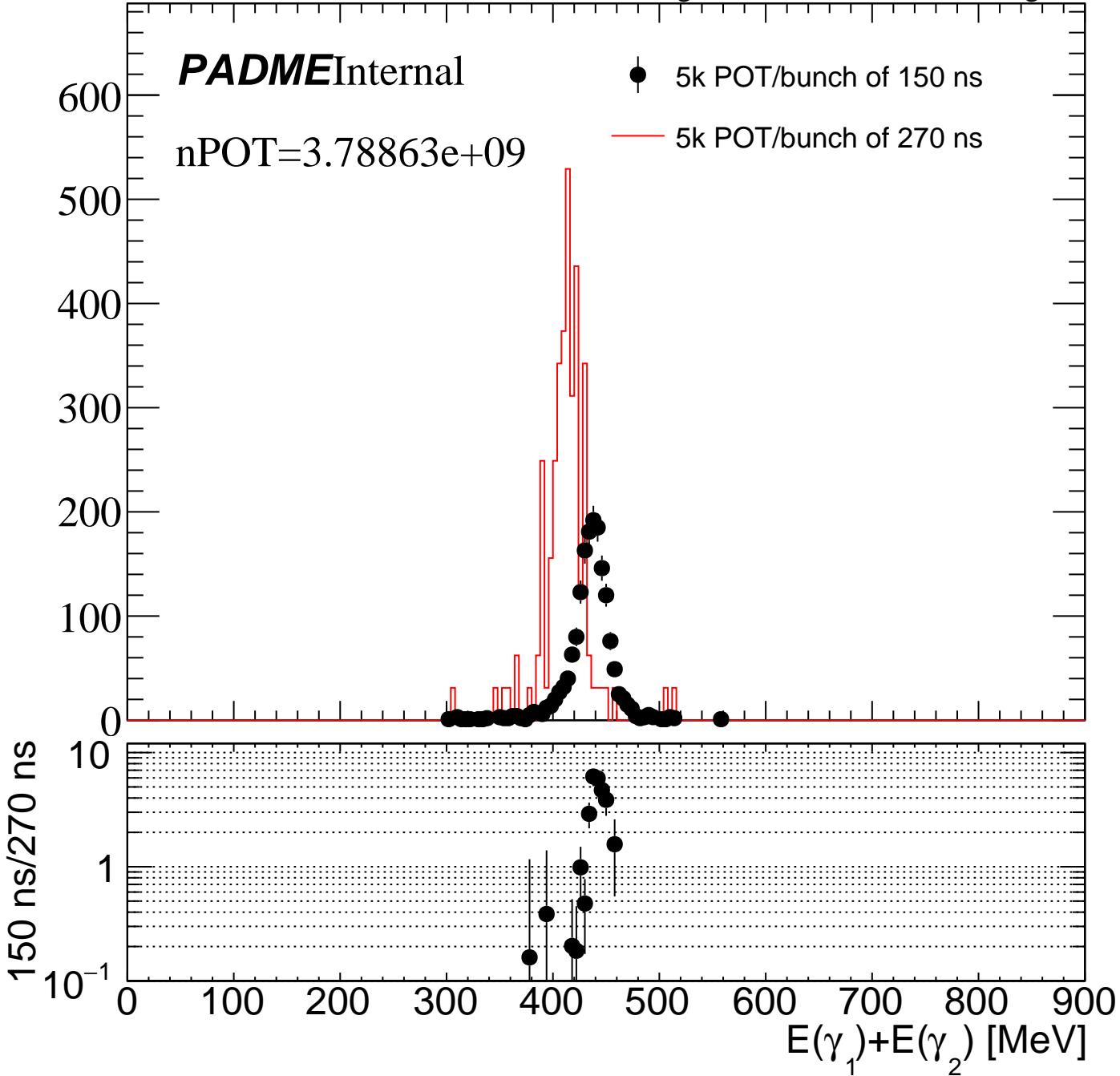
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280



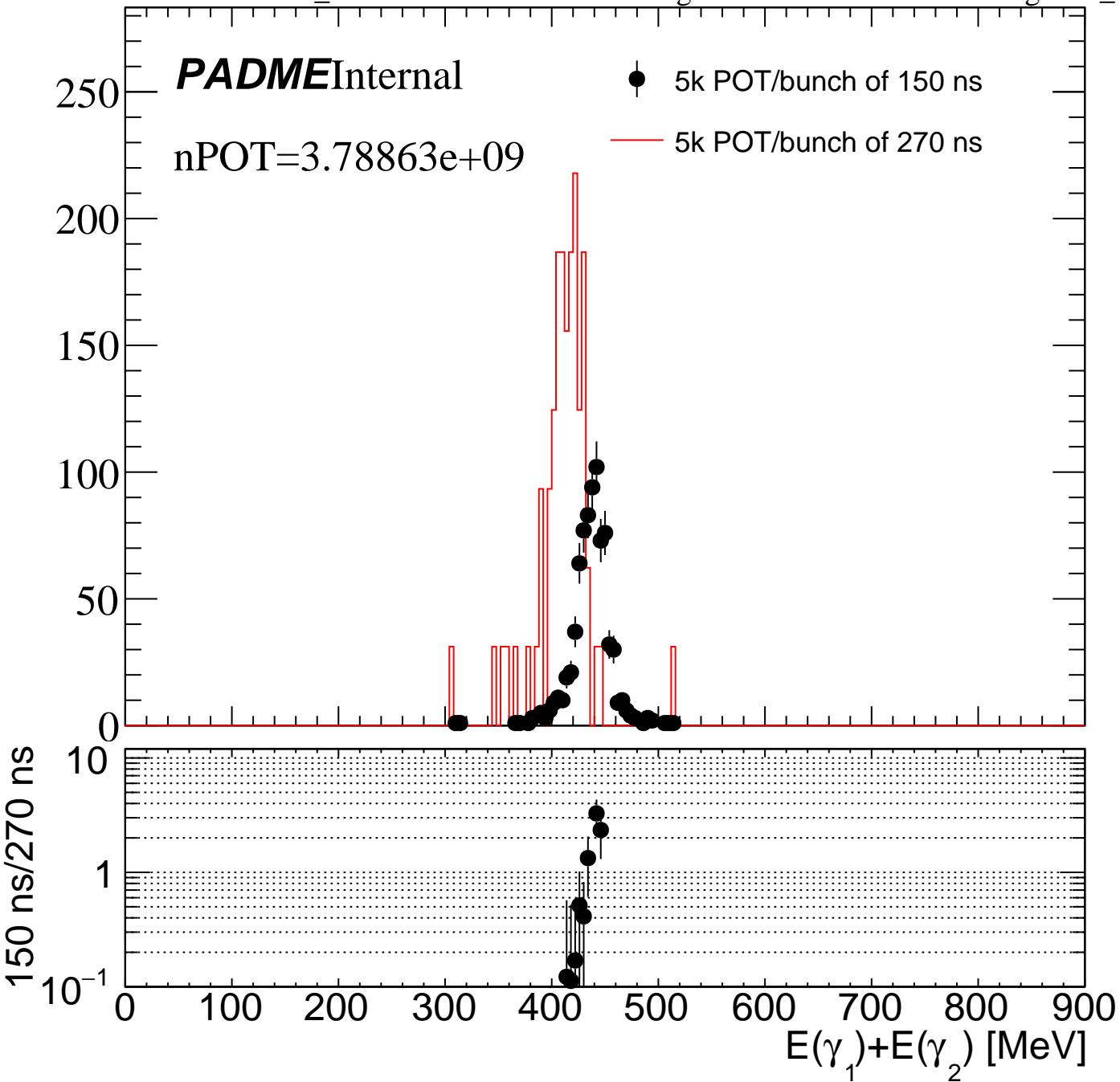


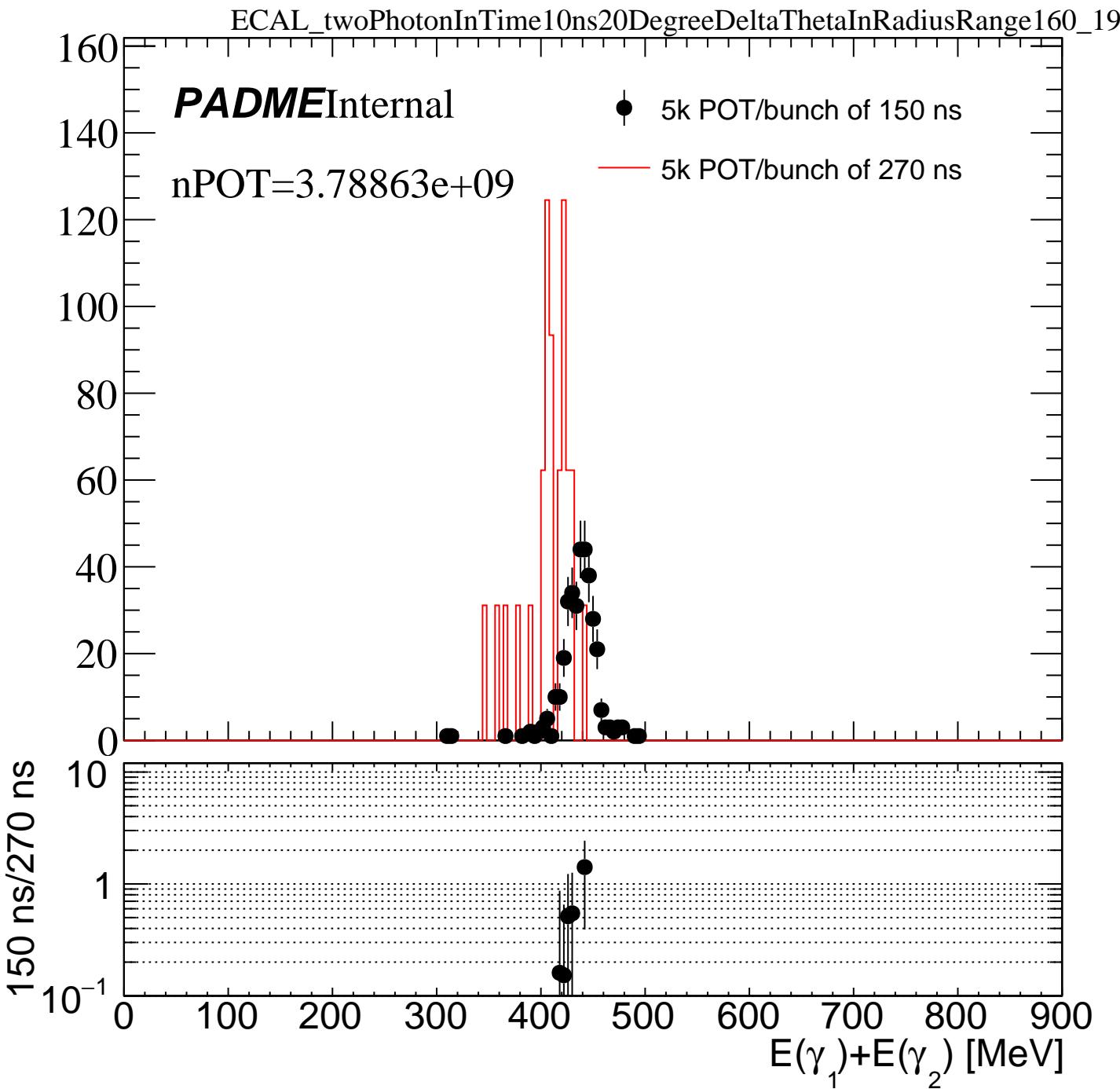
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24



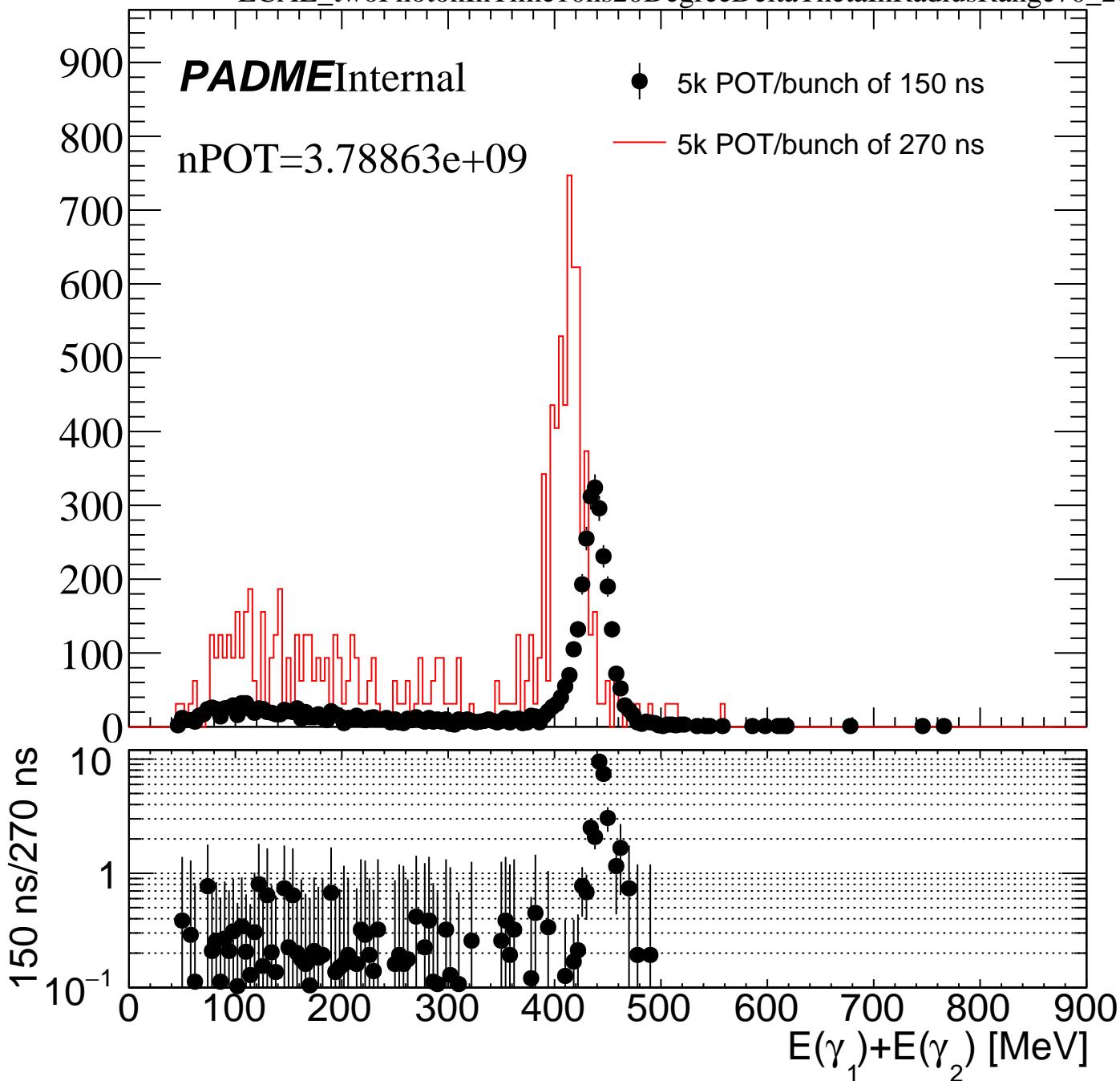


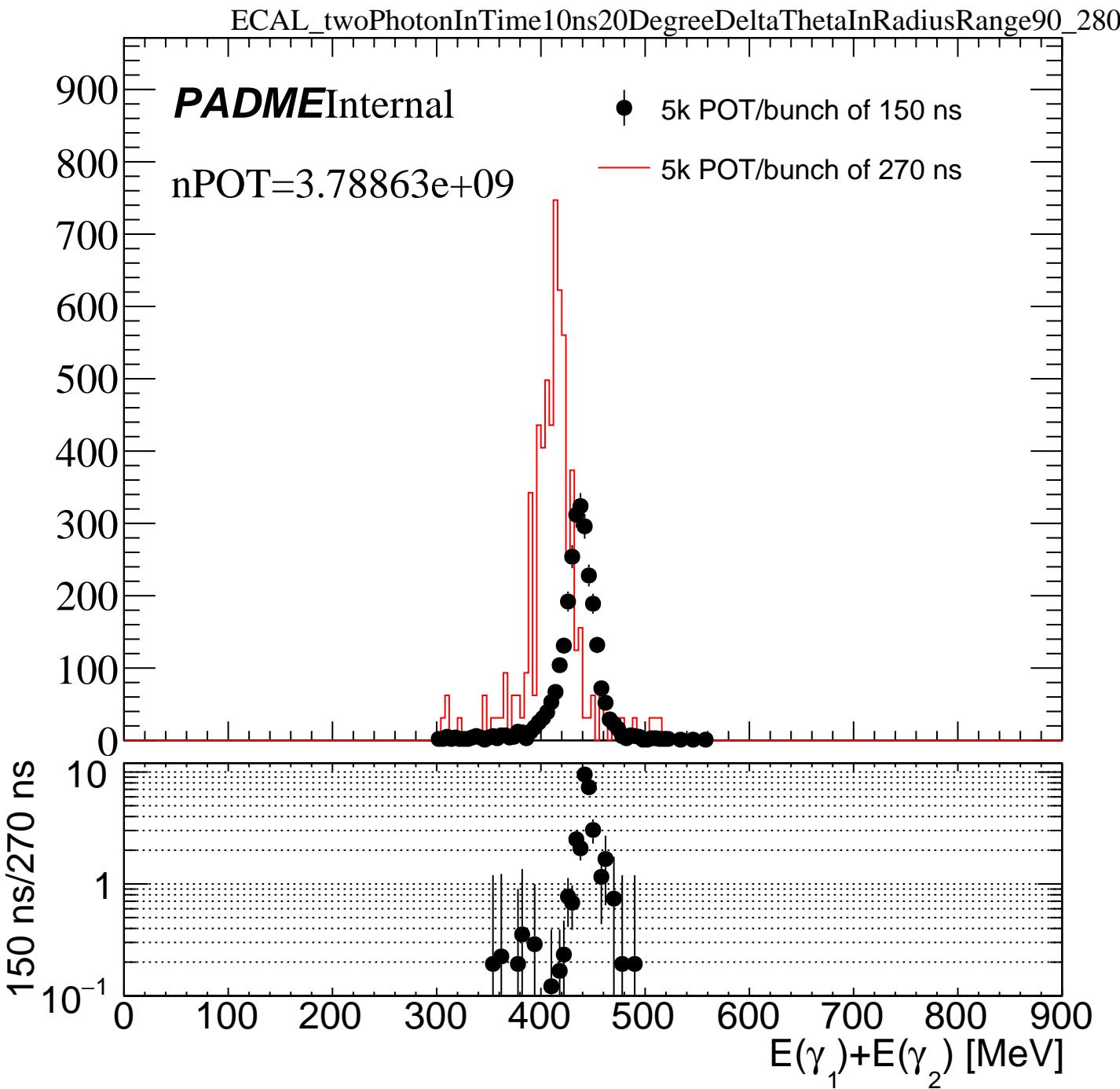
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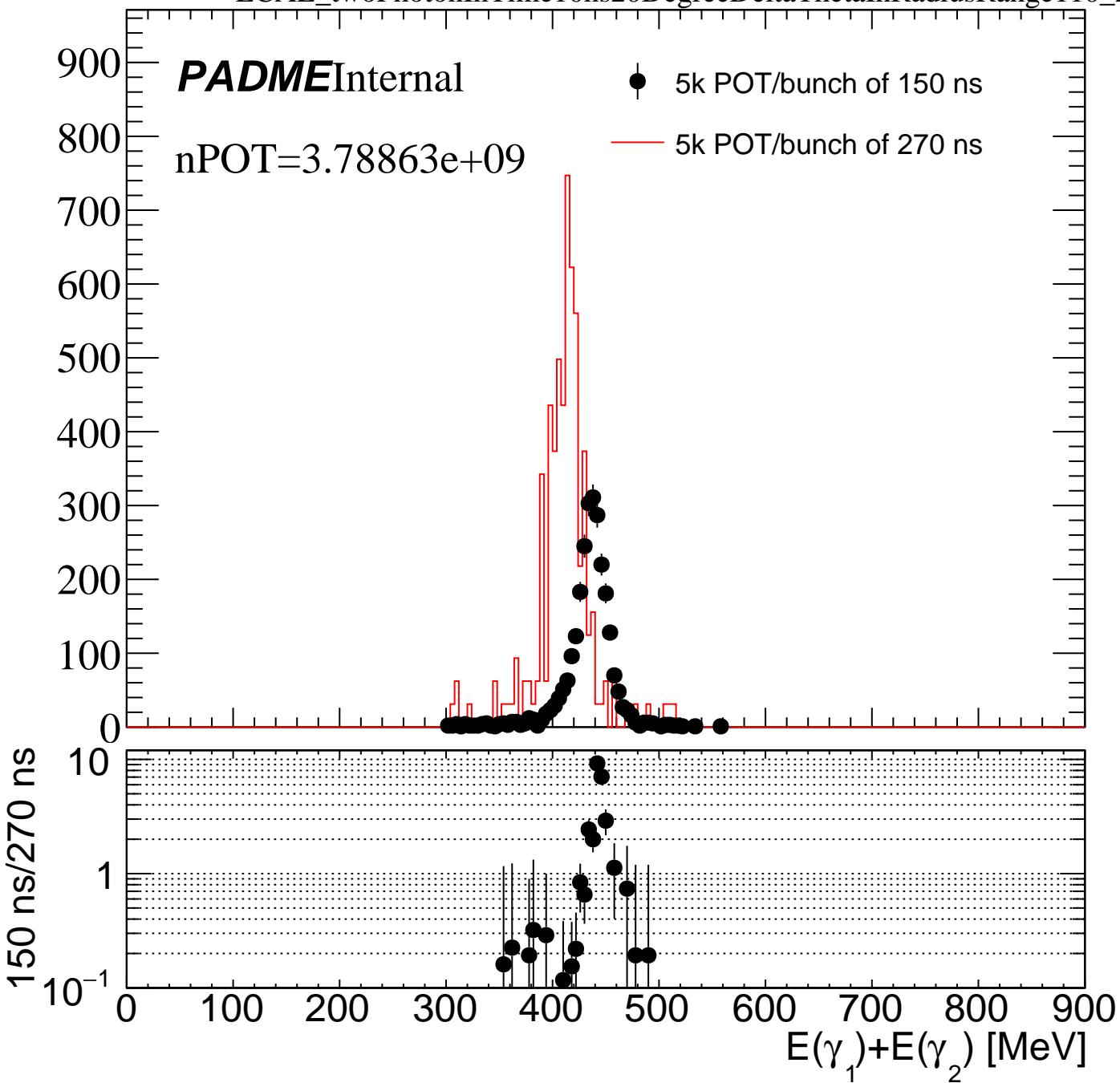


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280

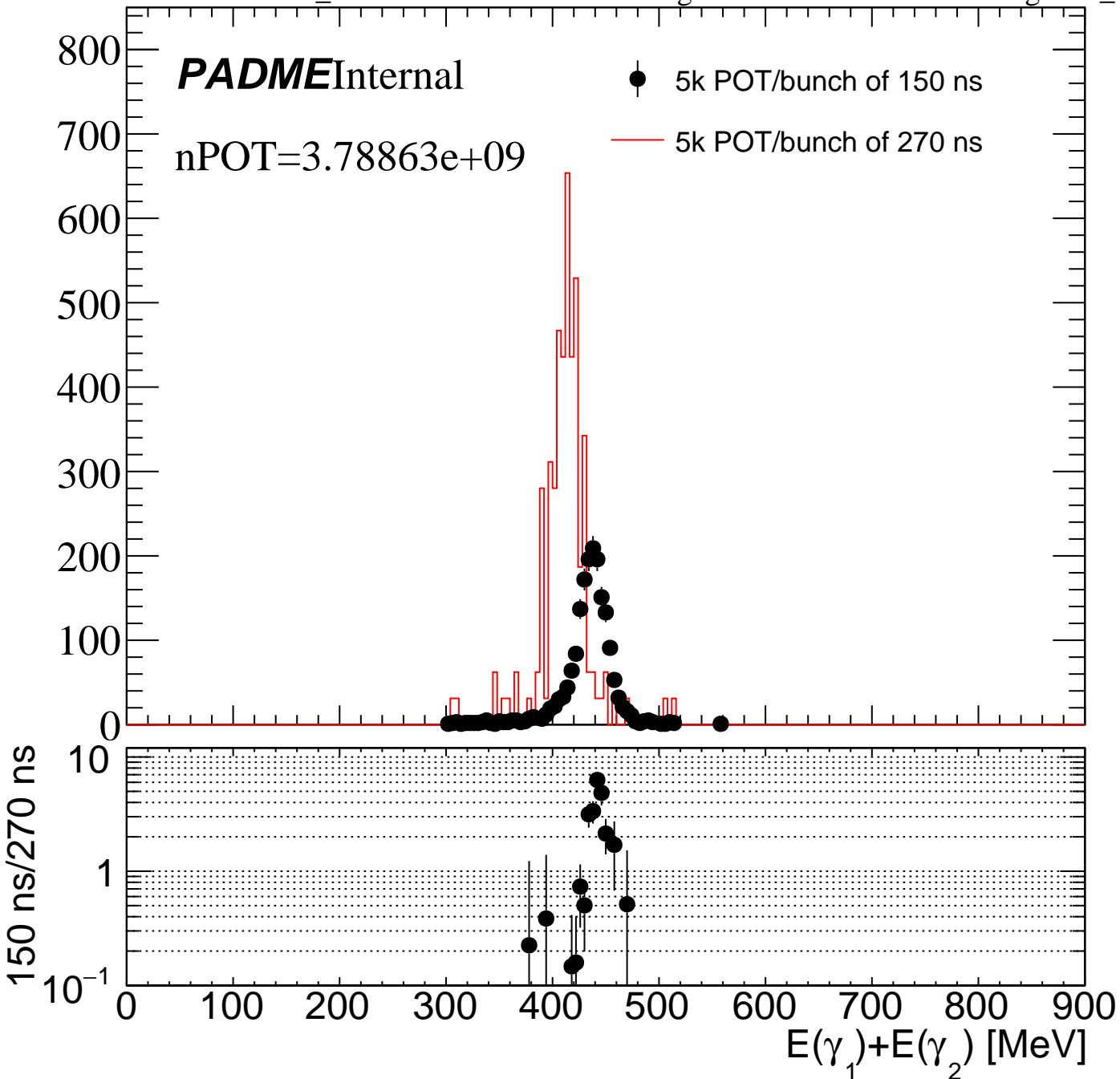




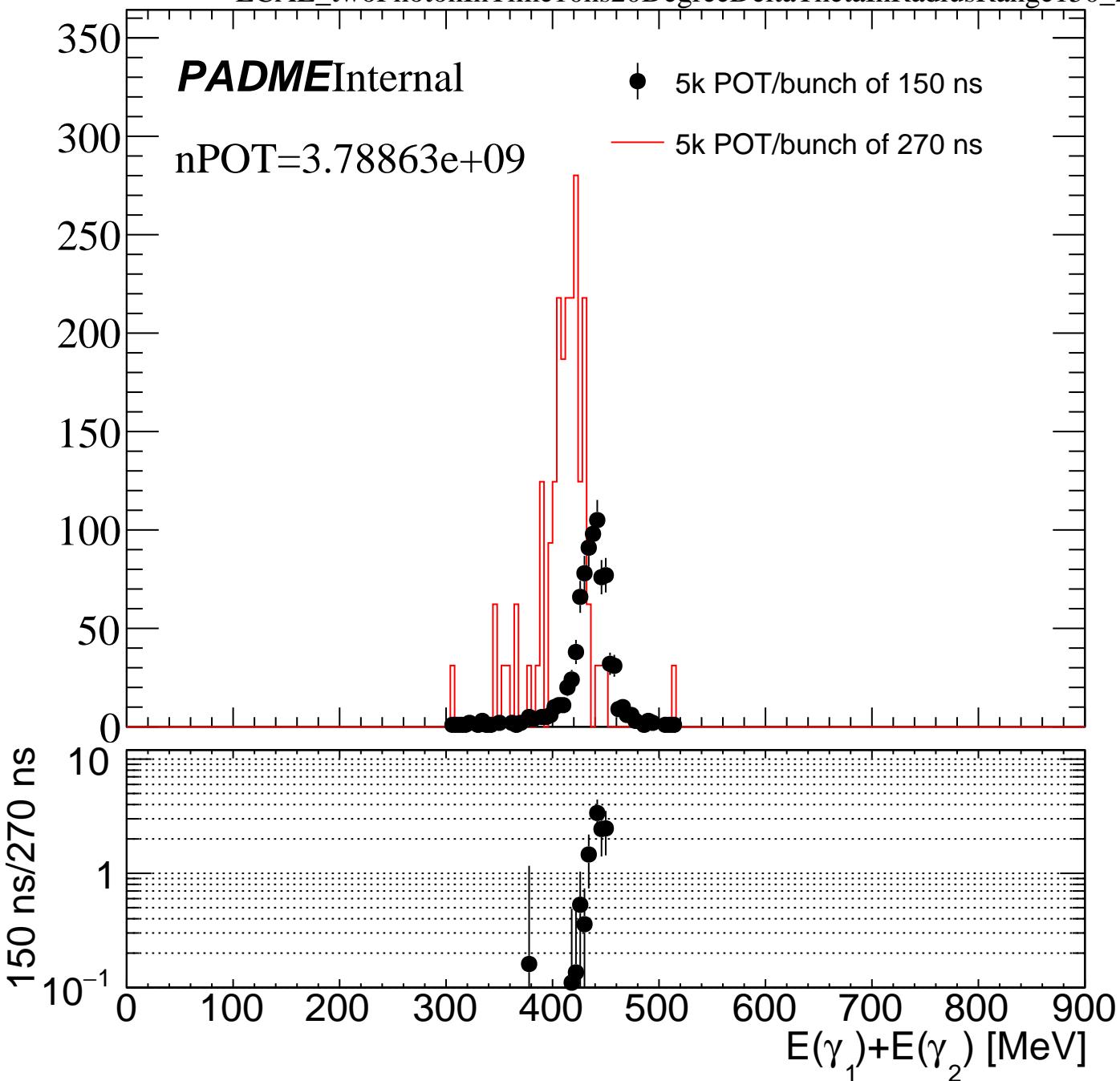
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28

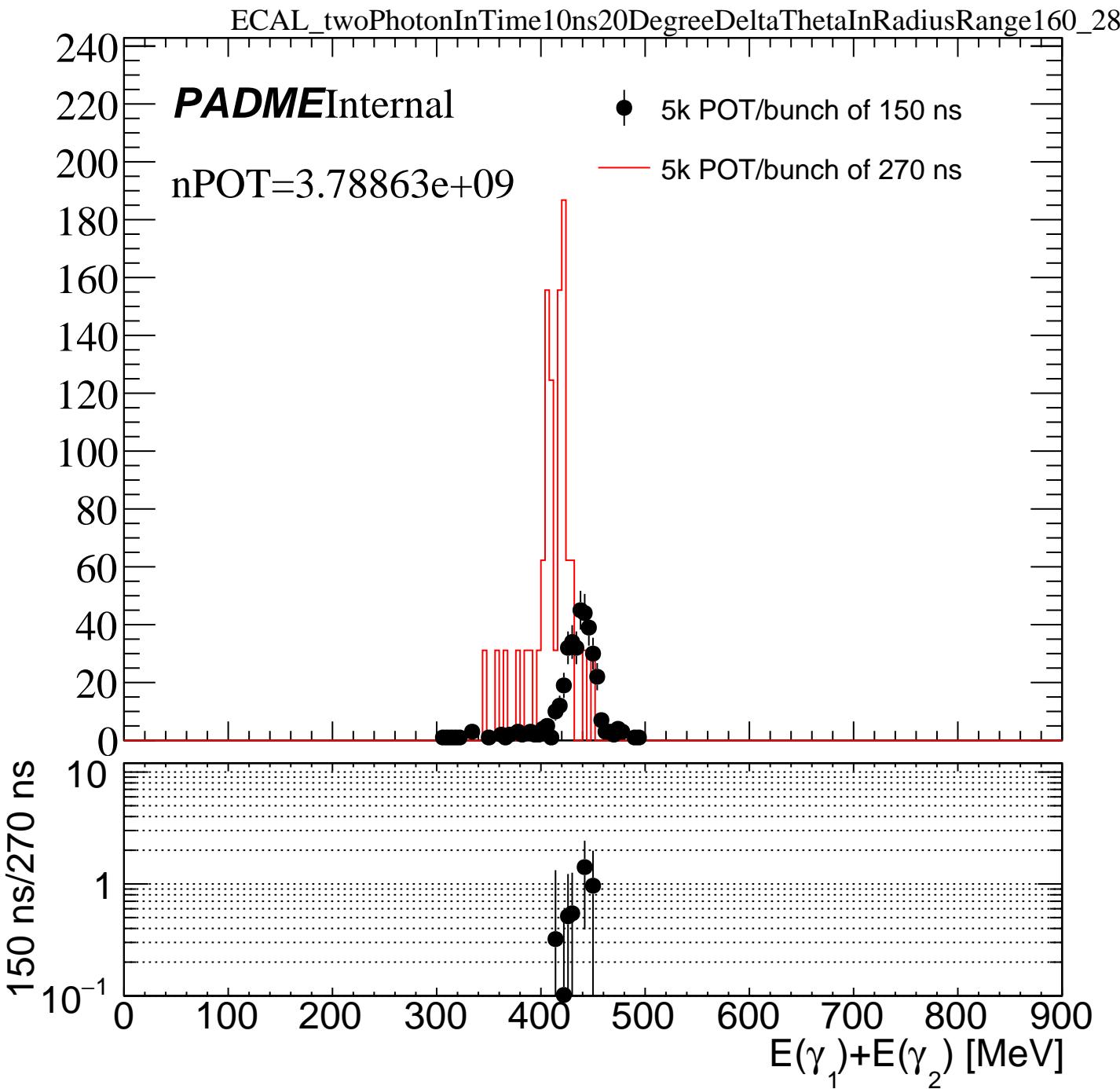


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28

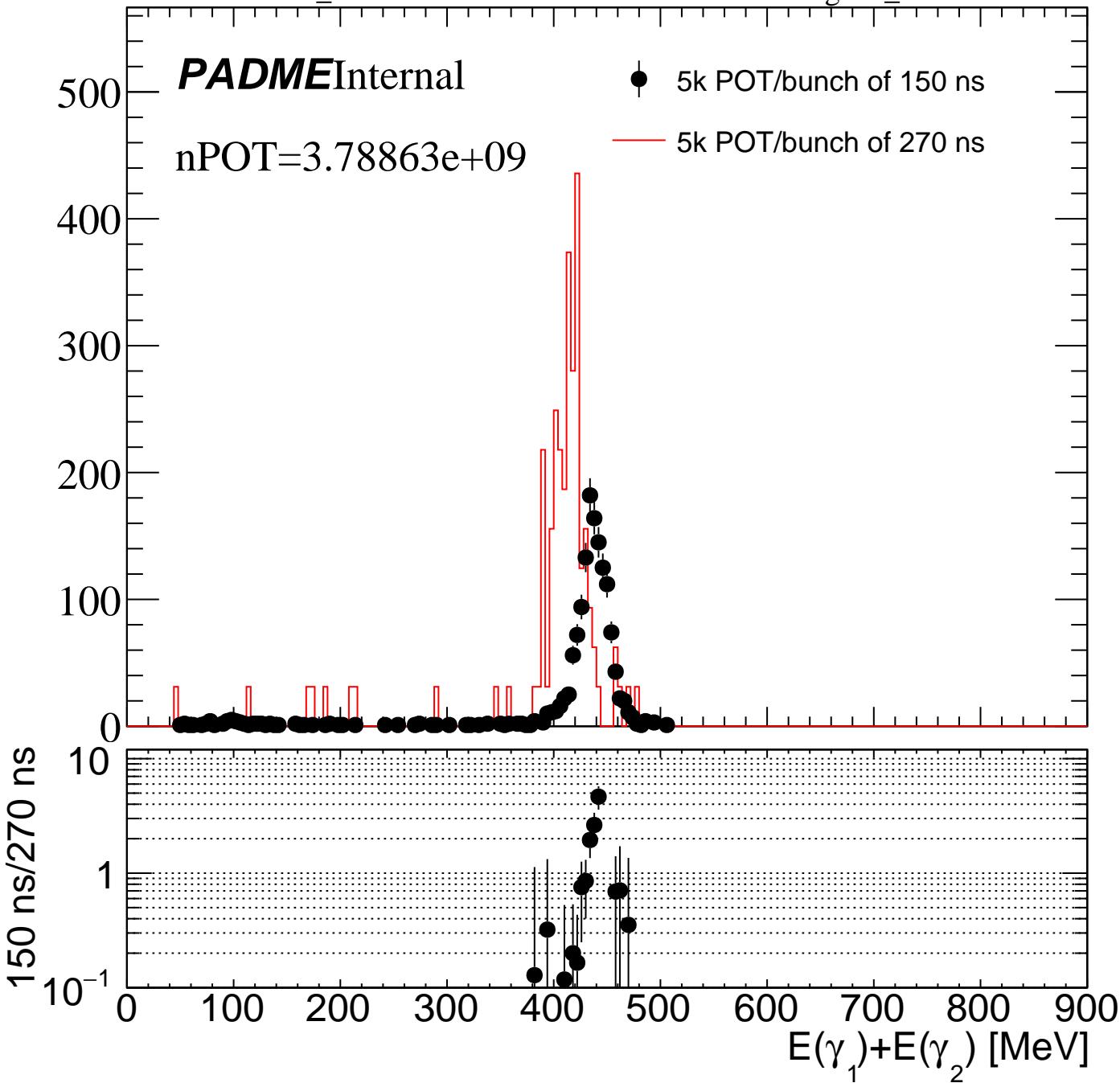


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28

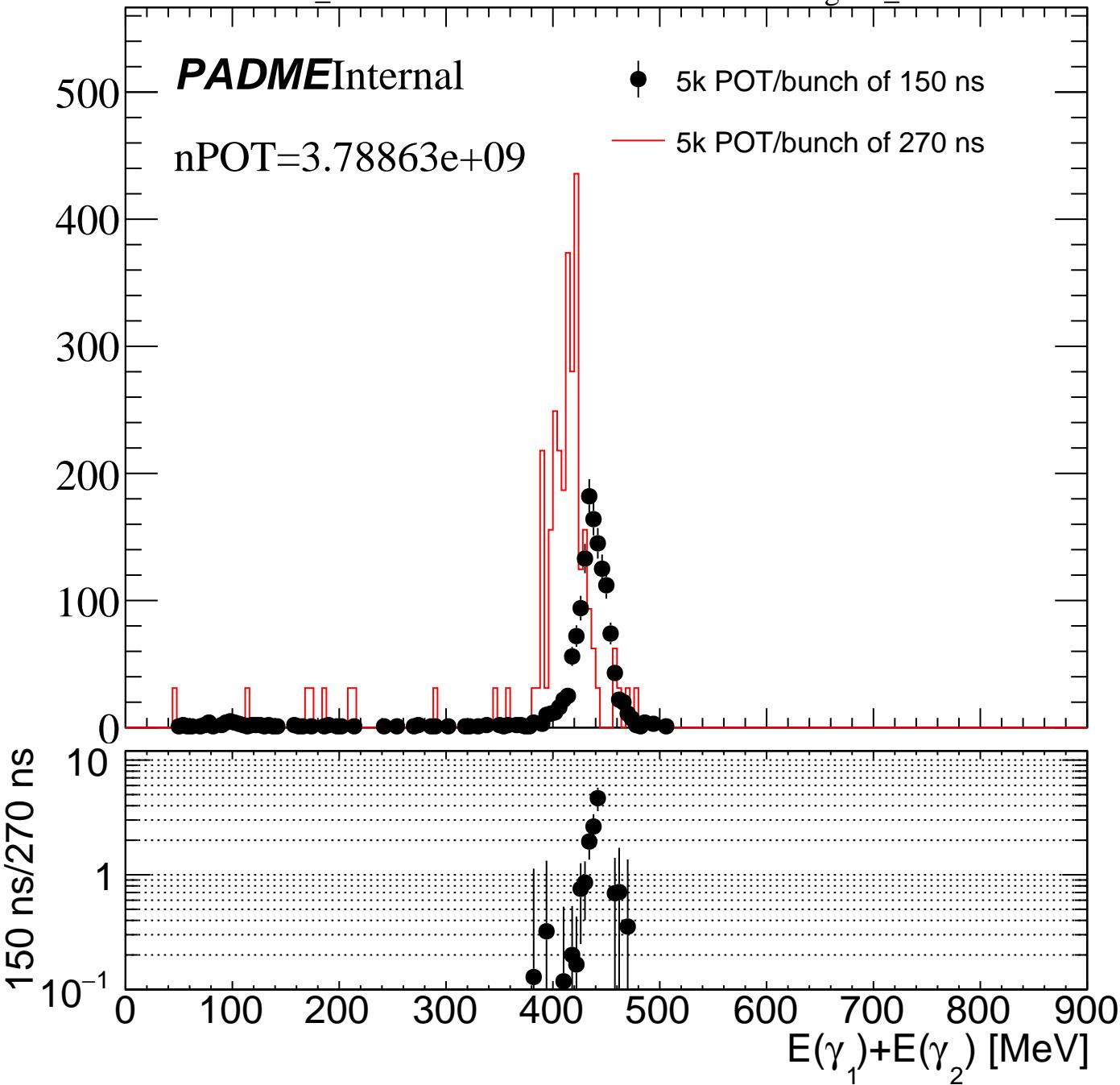




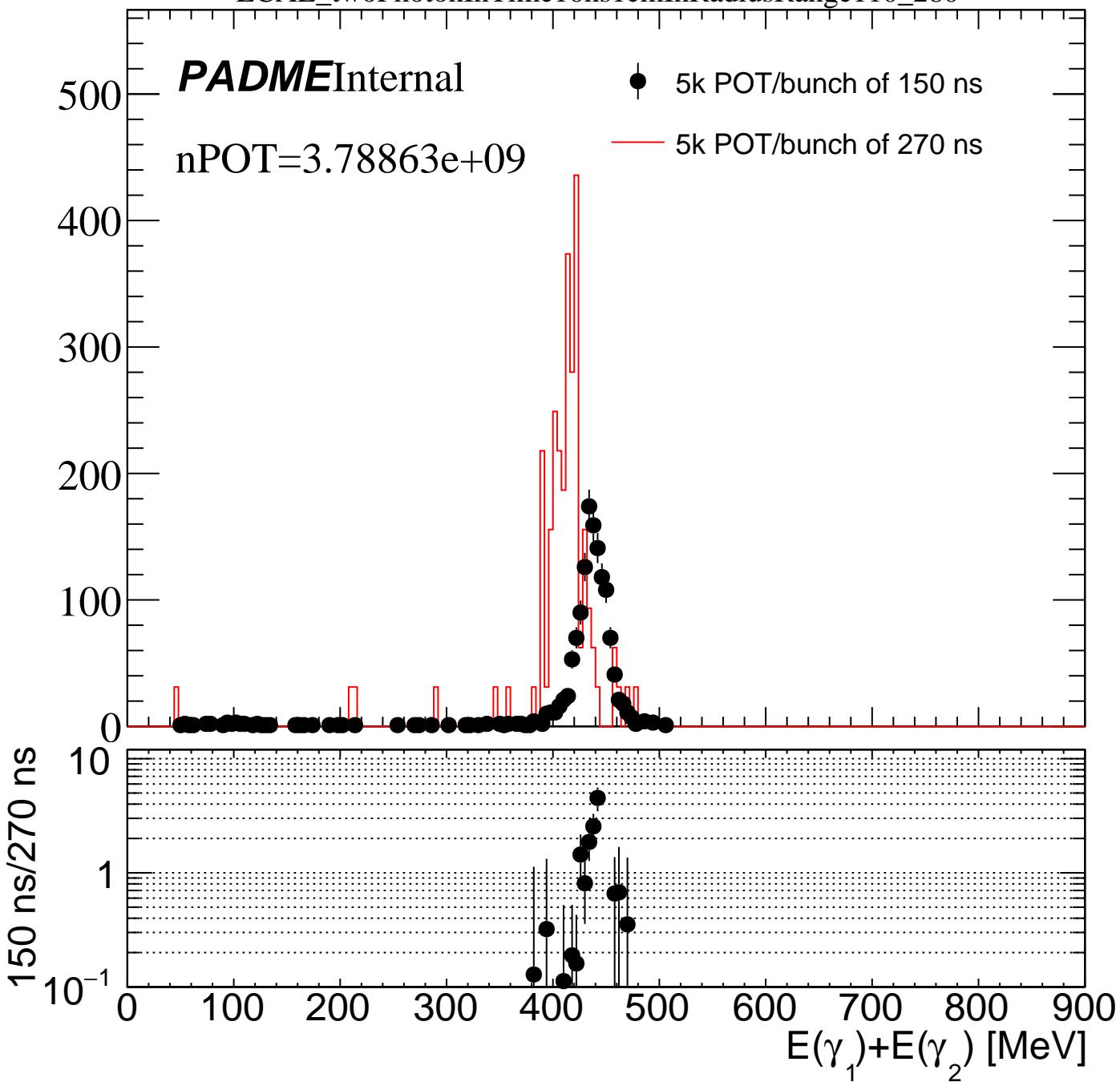
ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280



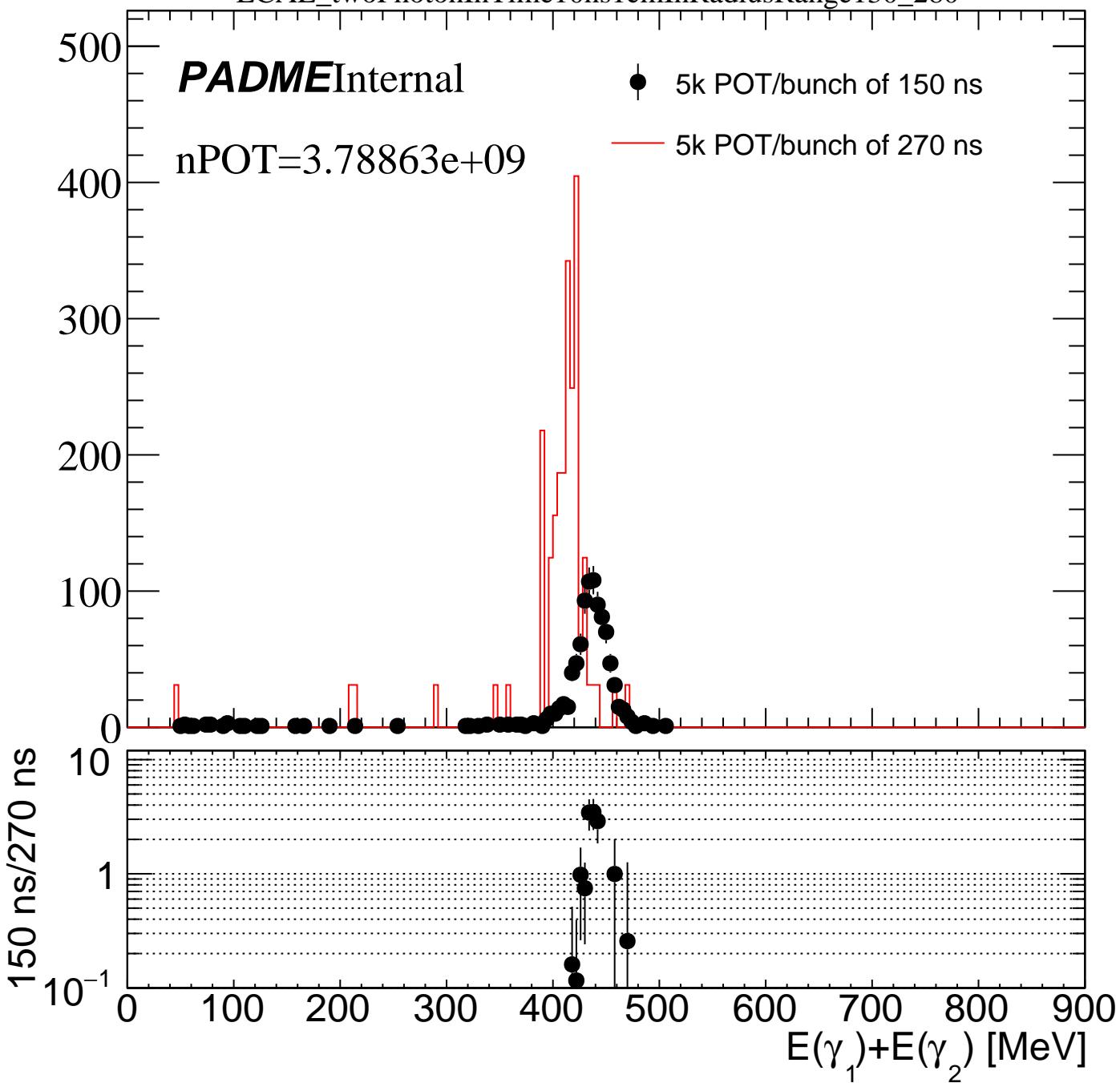
ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280

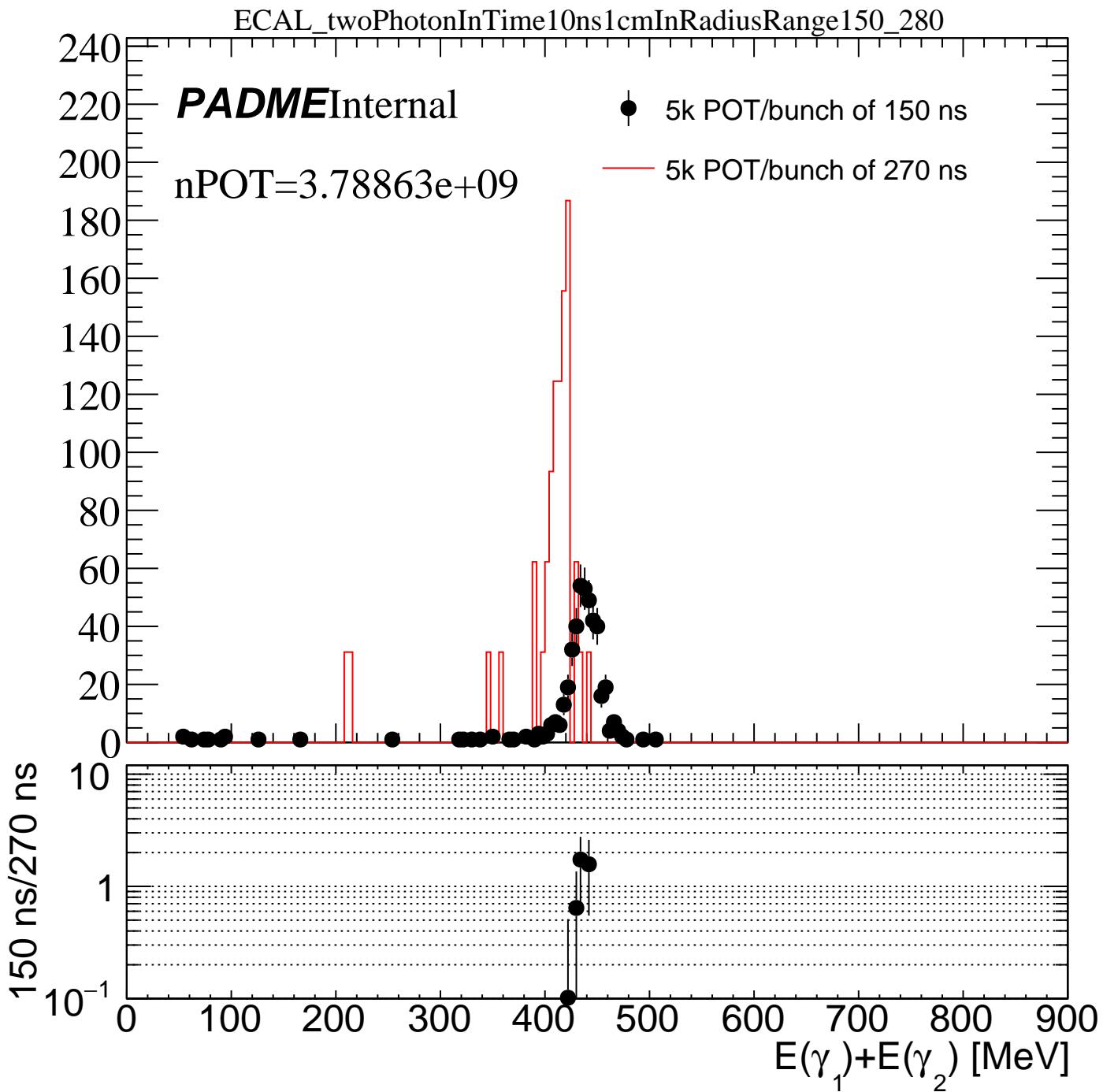


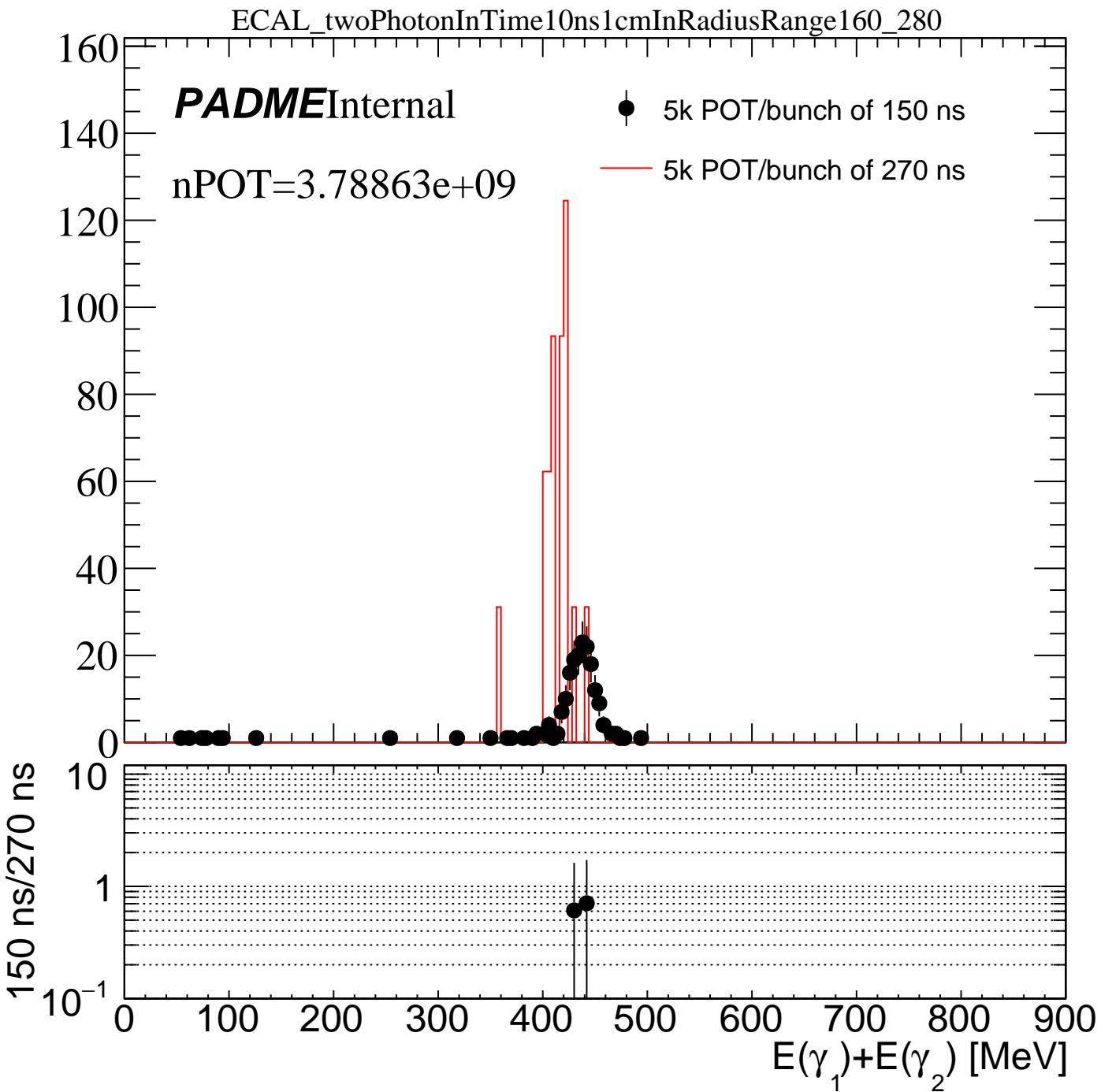
ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280



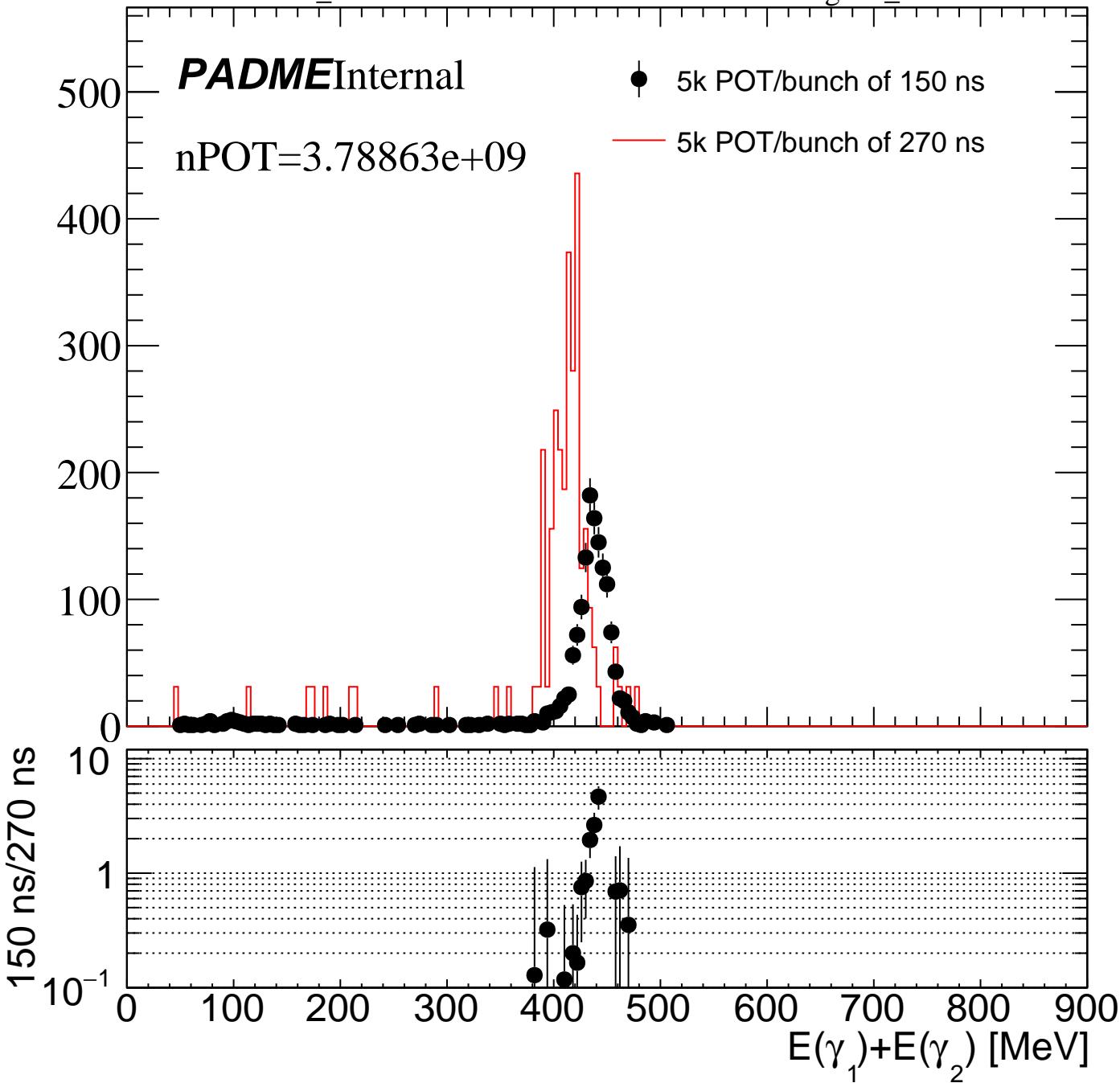
ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280



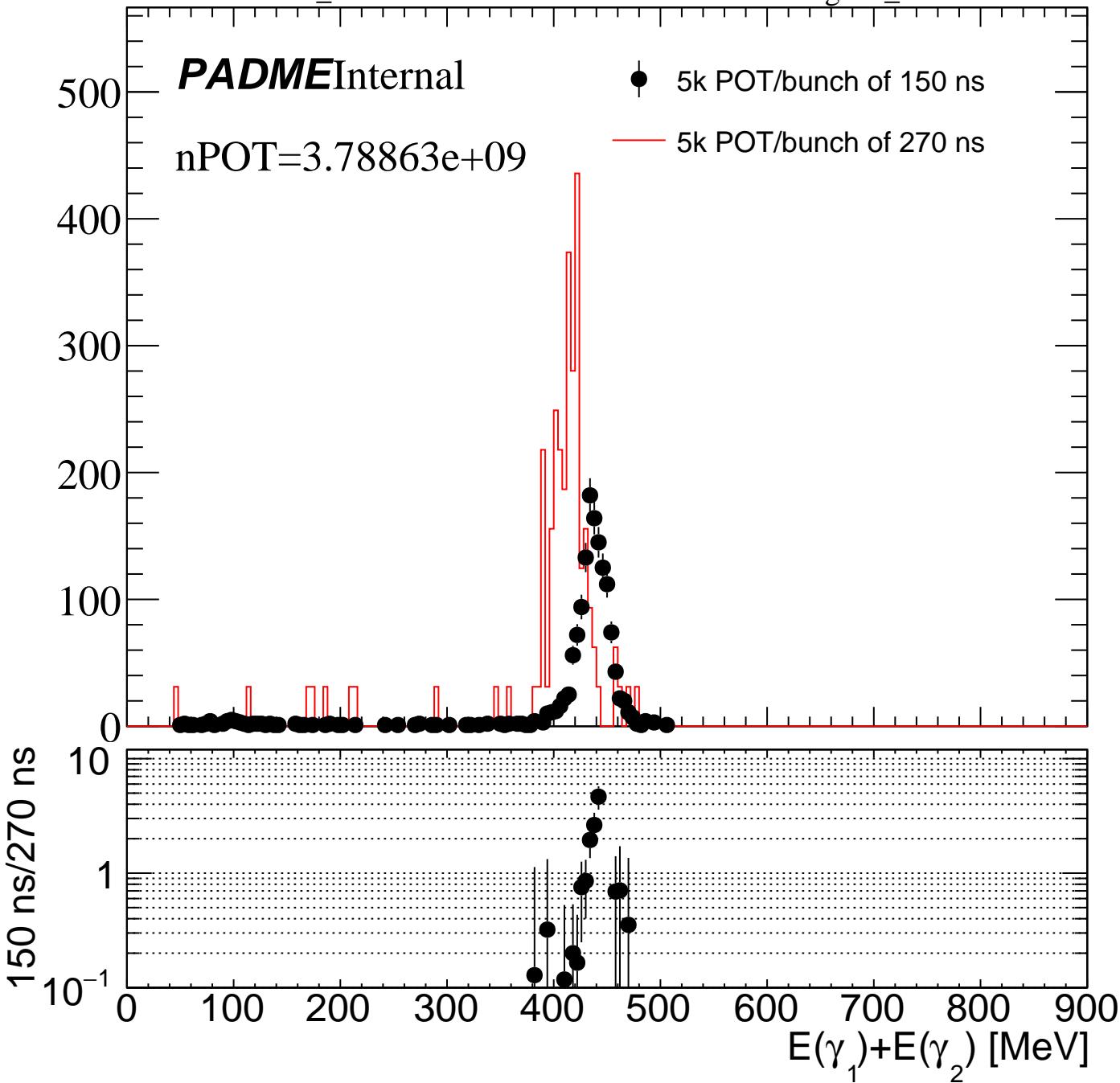




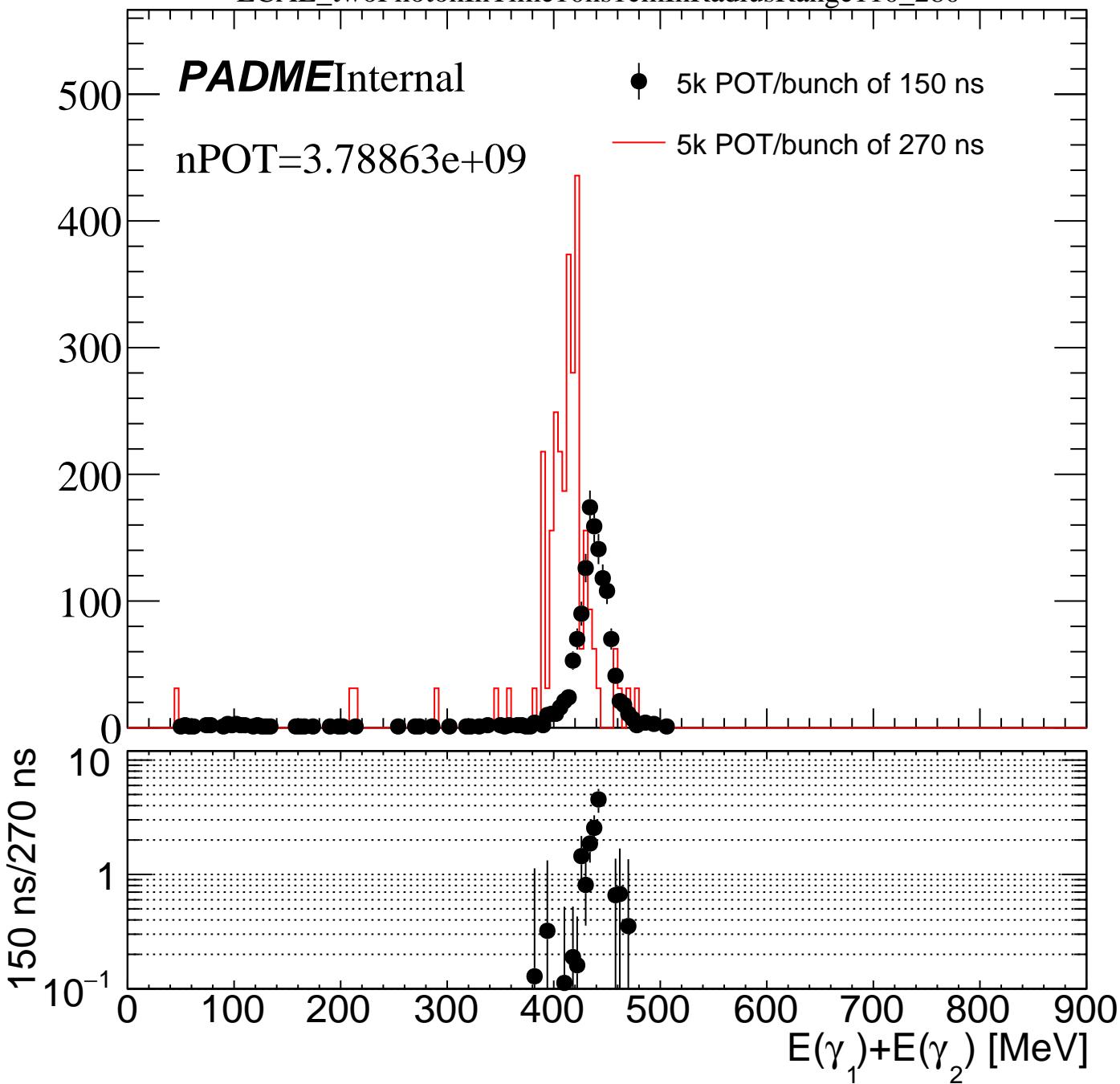
ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280



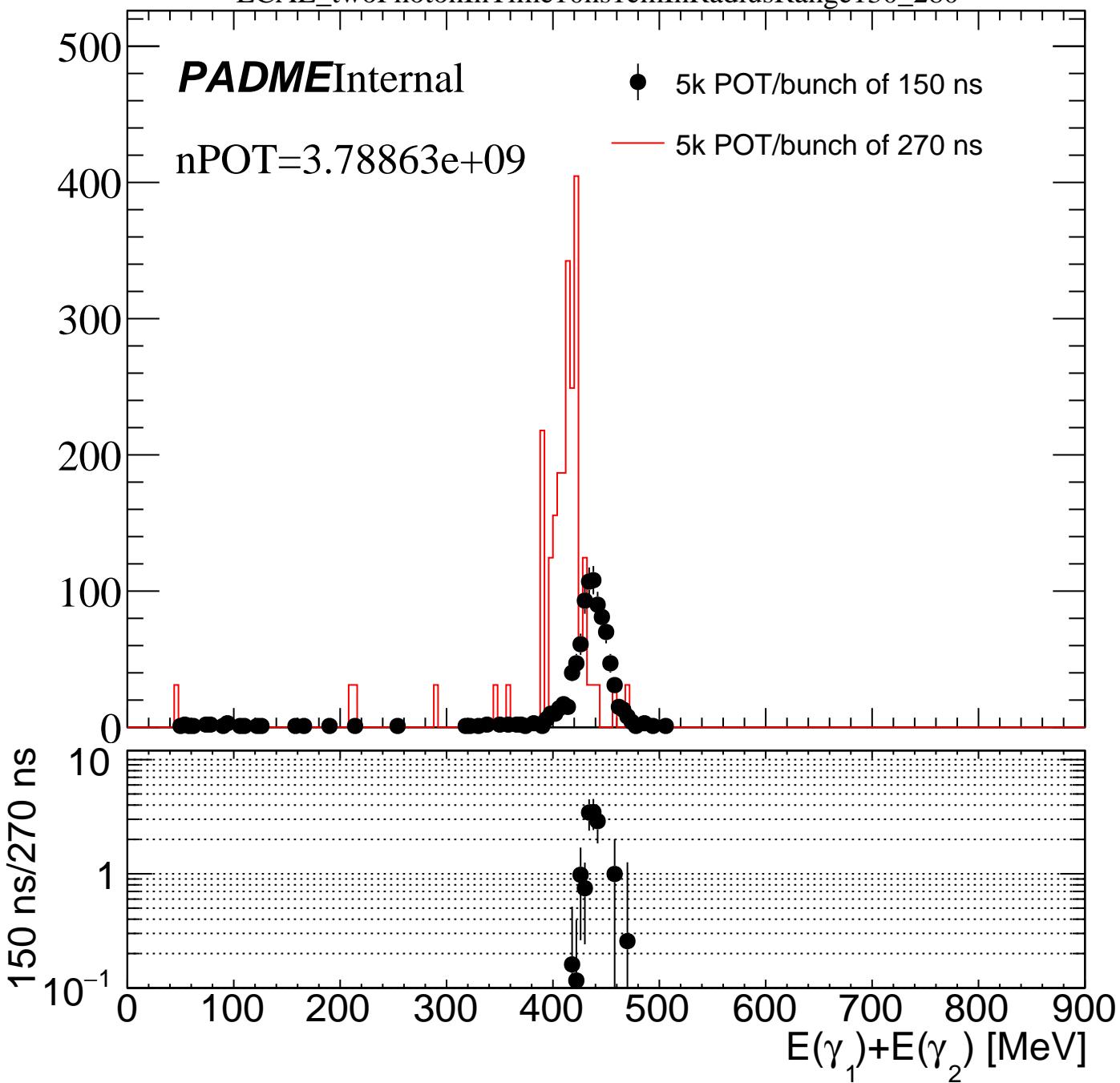
ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280

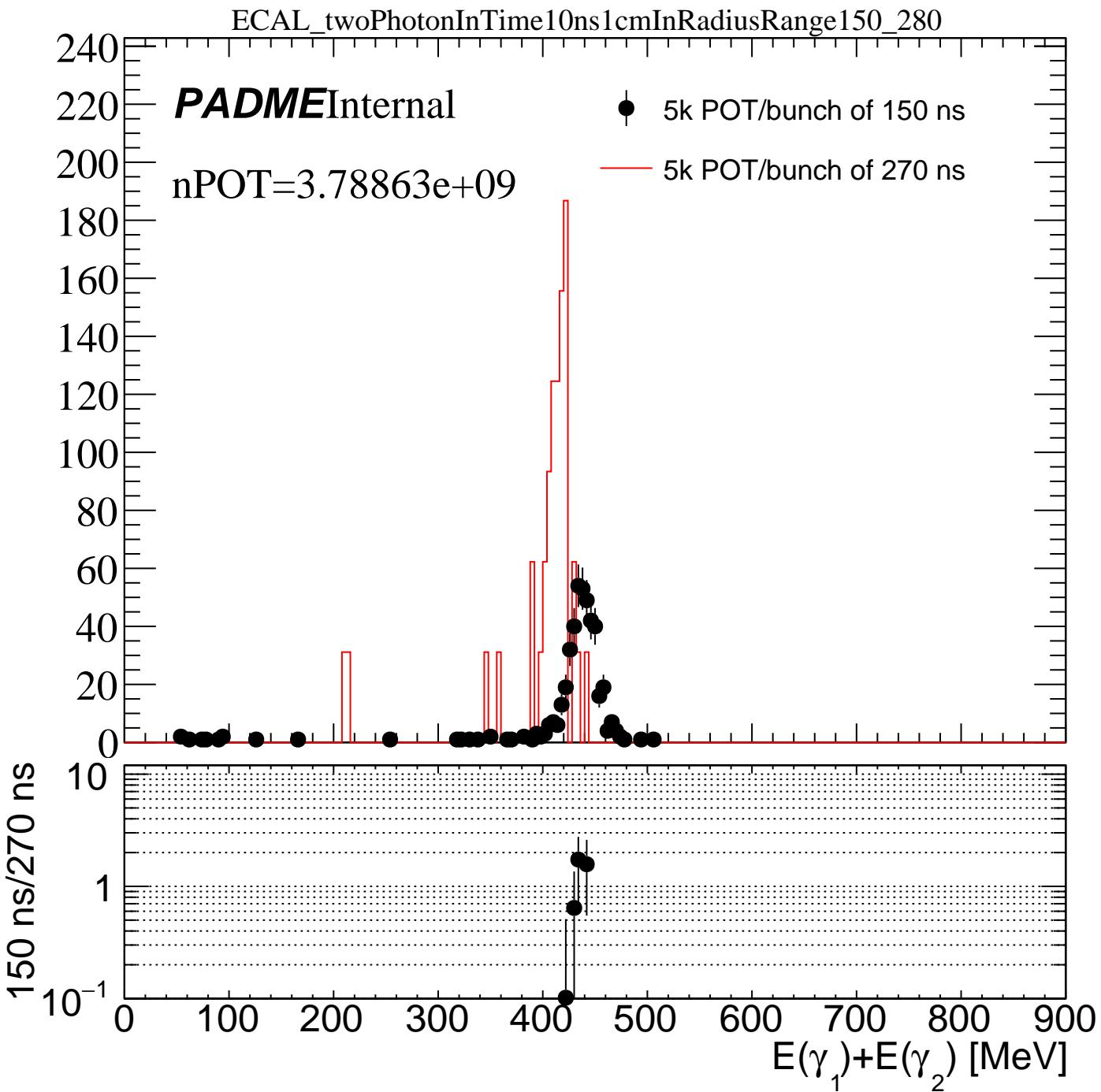


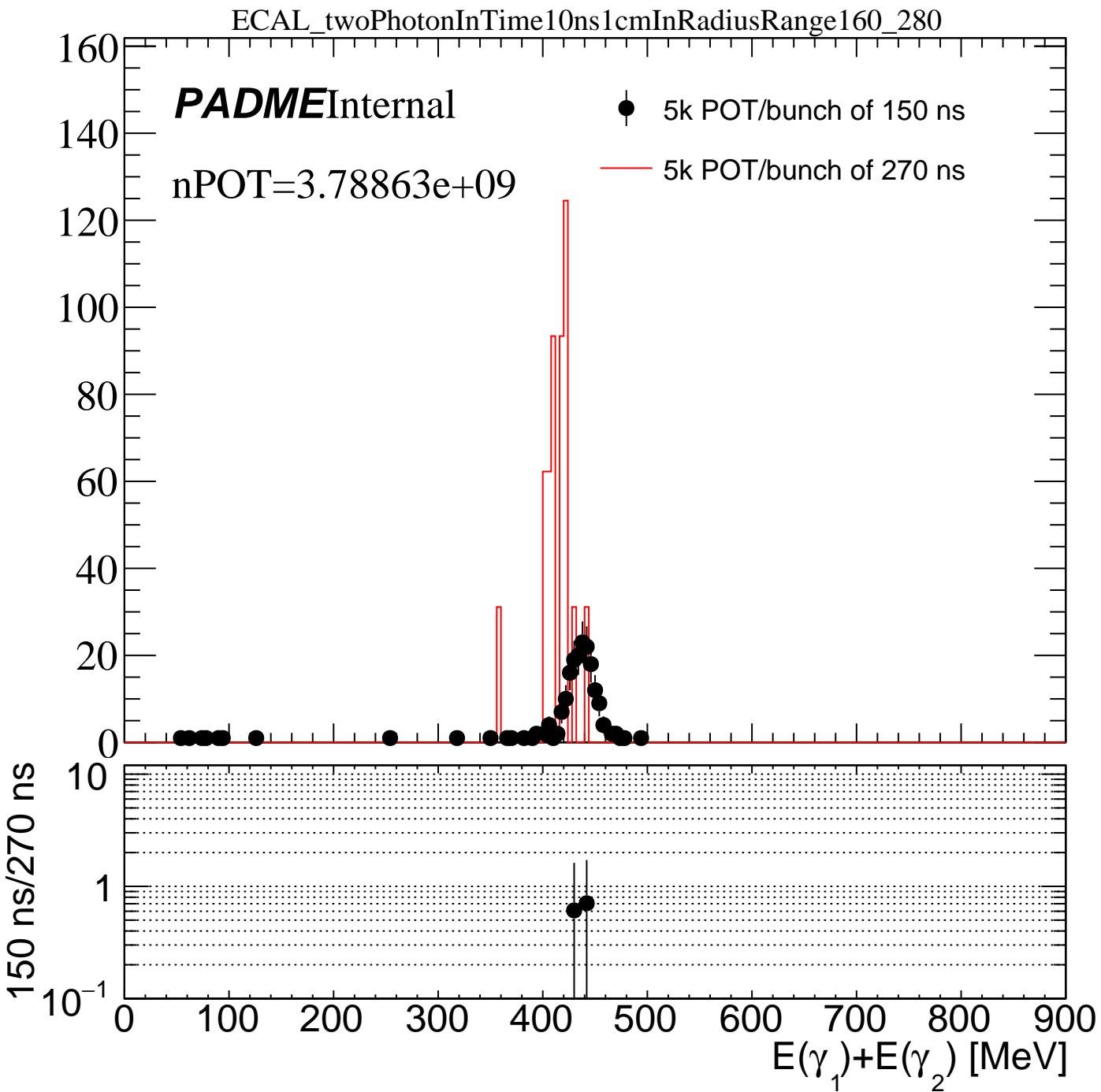
ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280

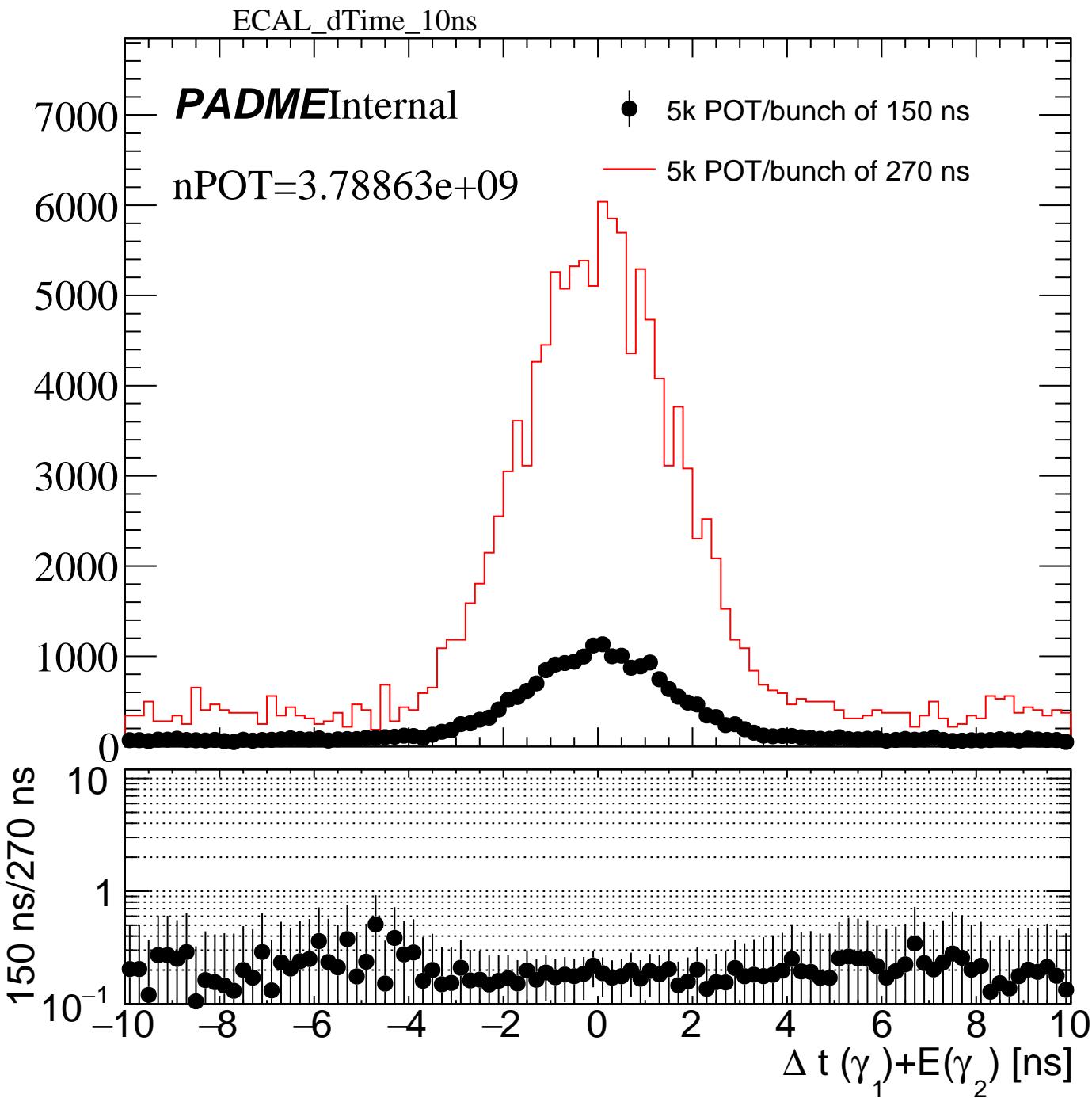


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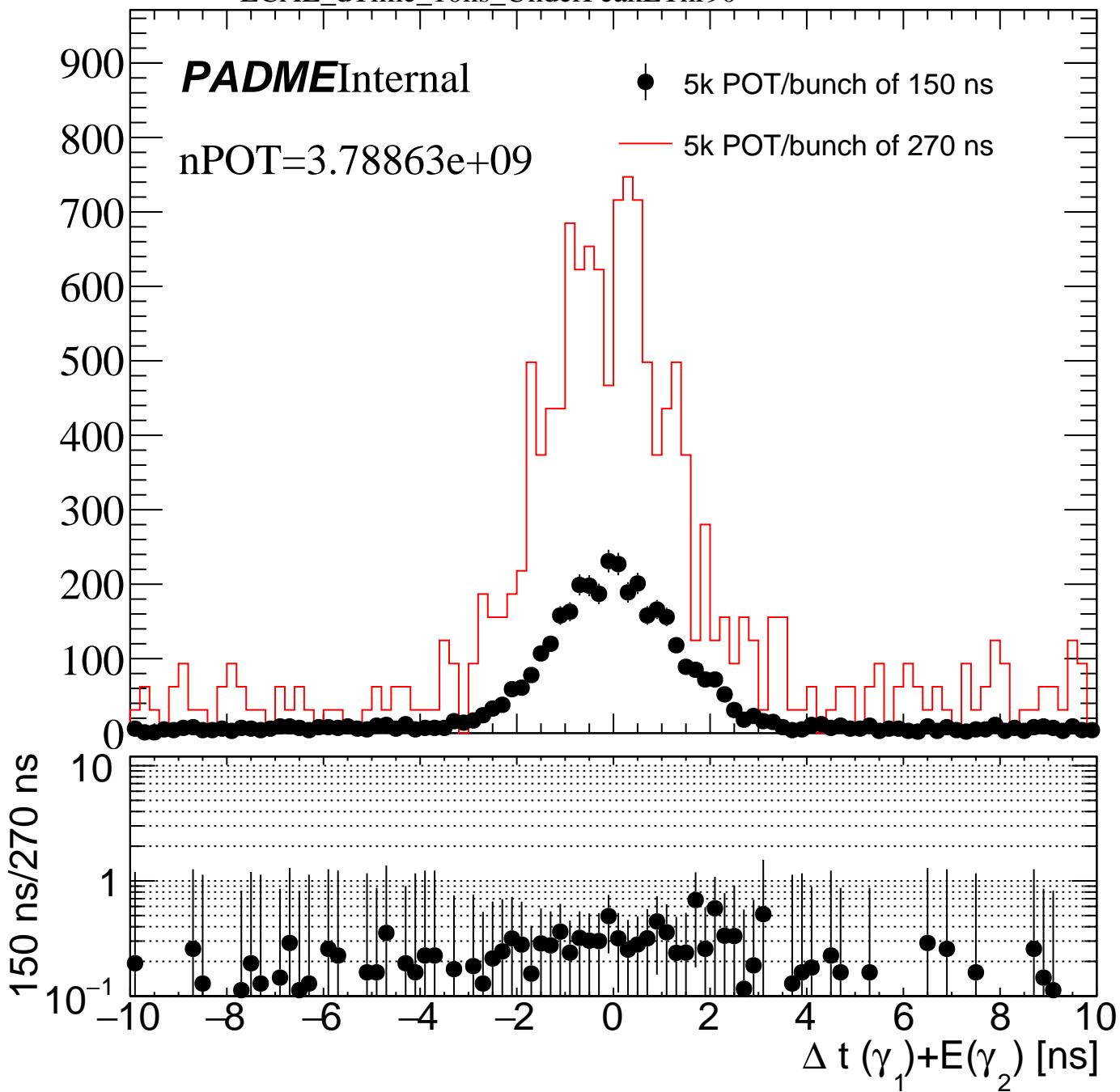




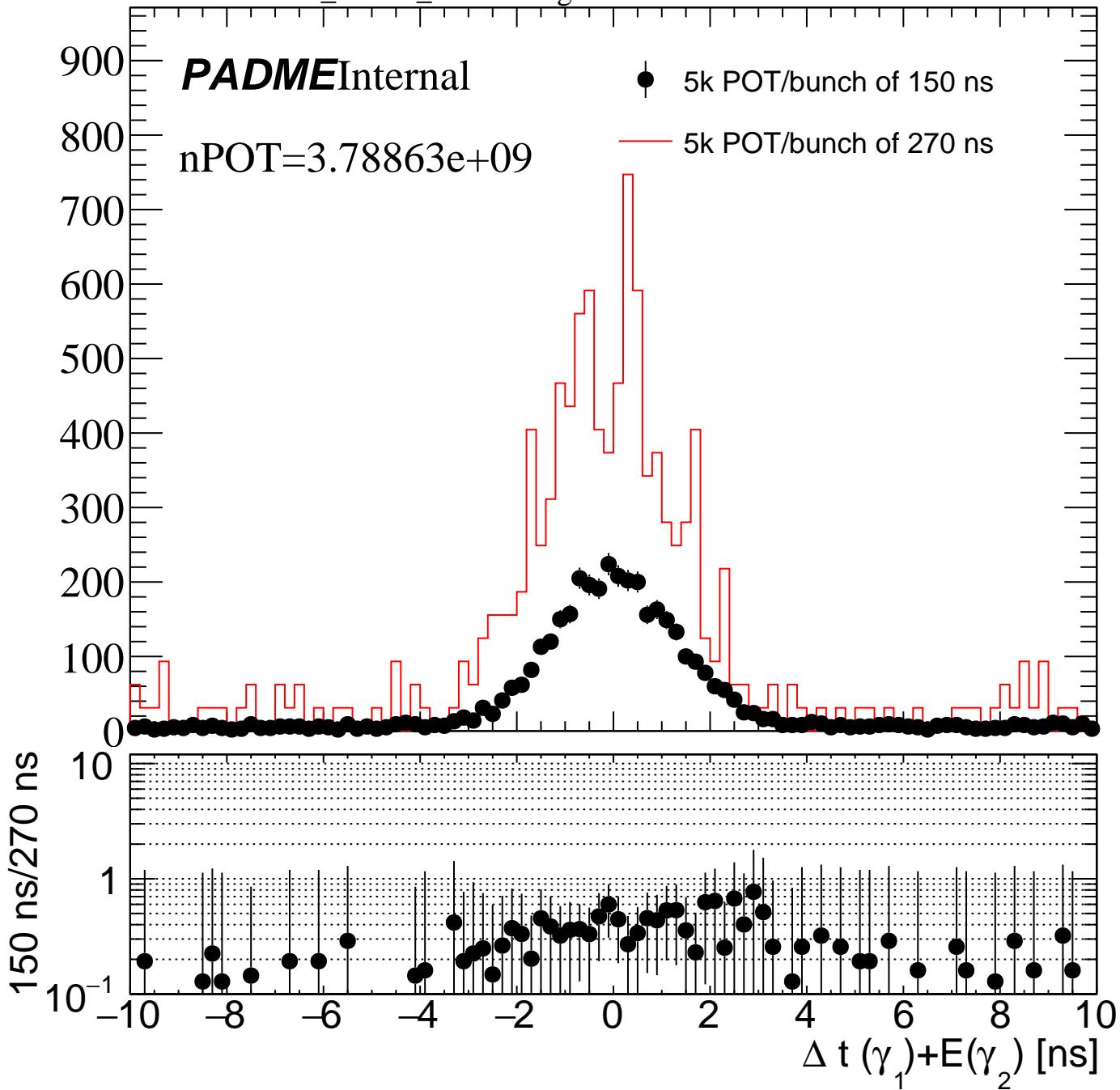




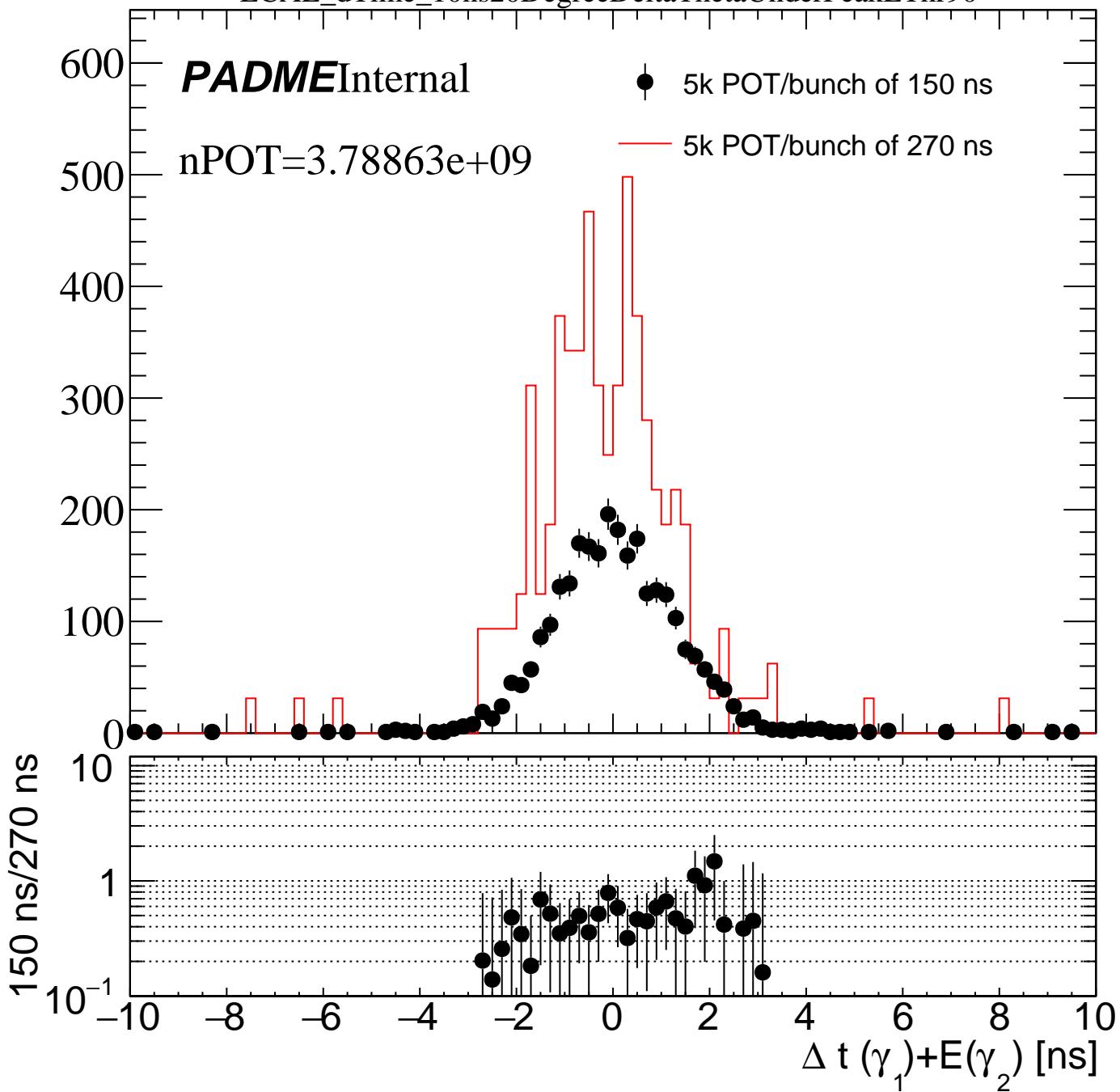
ECAL_dTime_10ns_UnderPeakETHr90

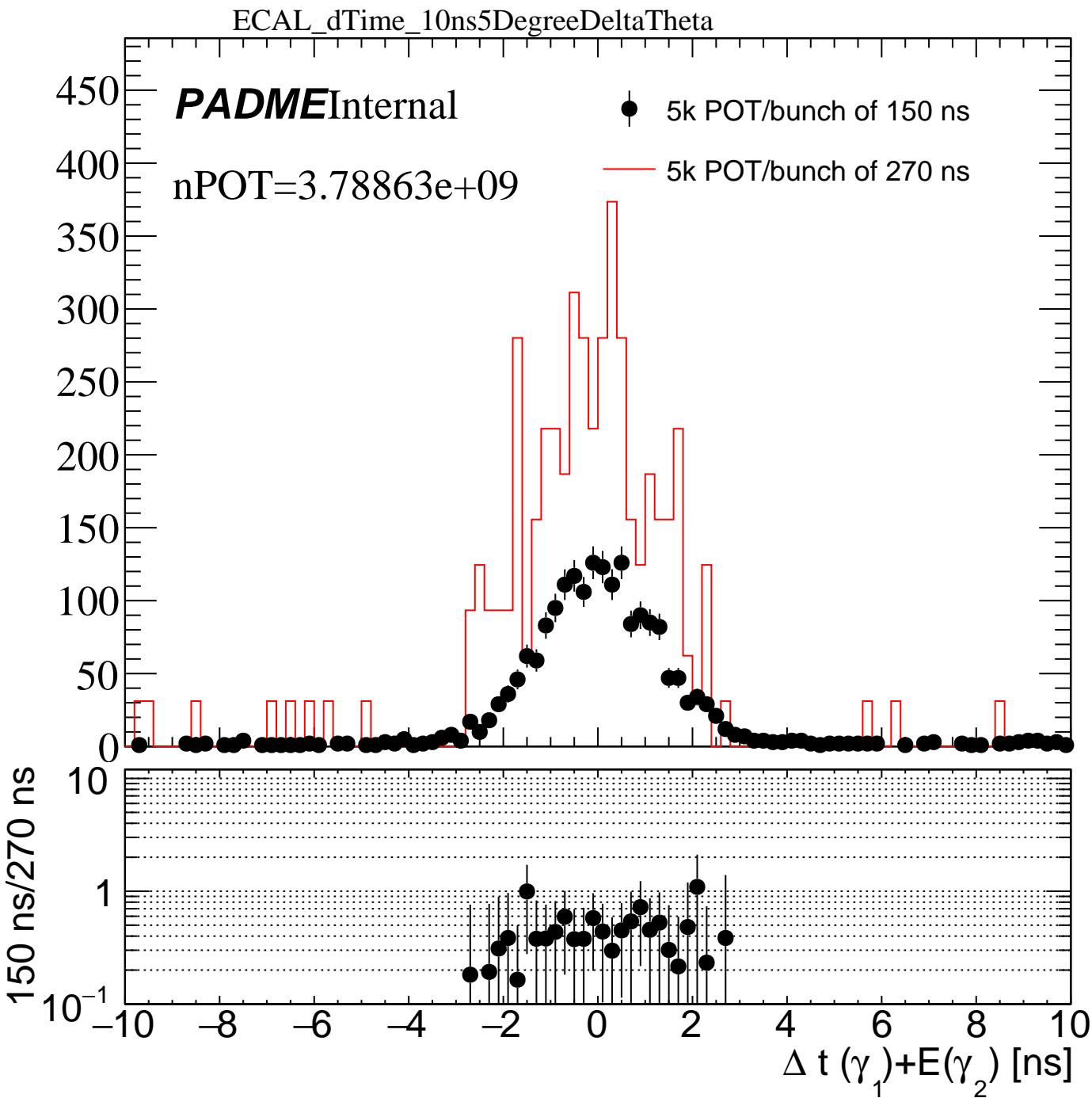


ECAL_dTime_10ns20DegreeDeltaTheta

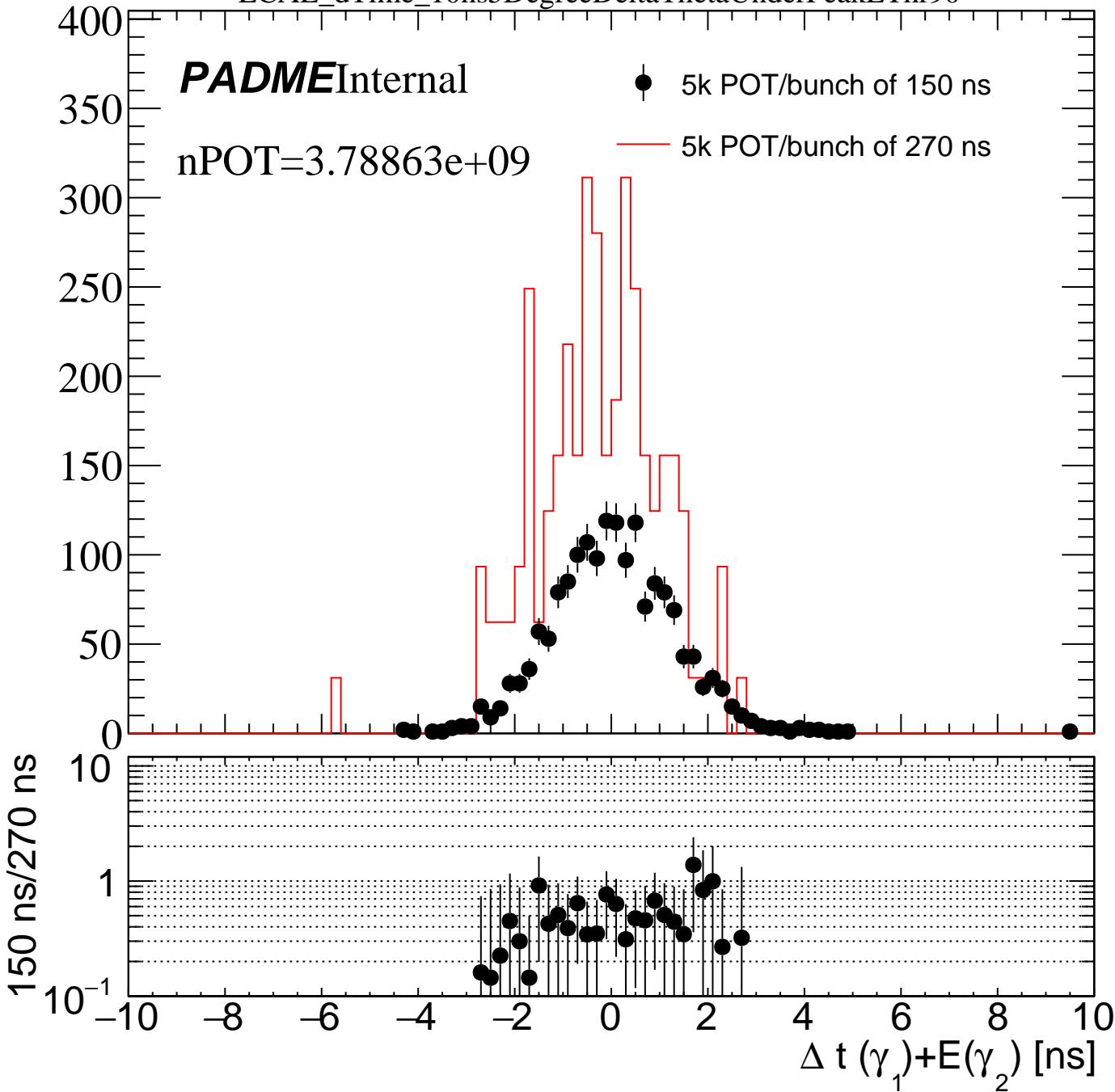


ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90

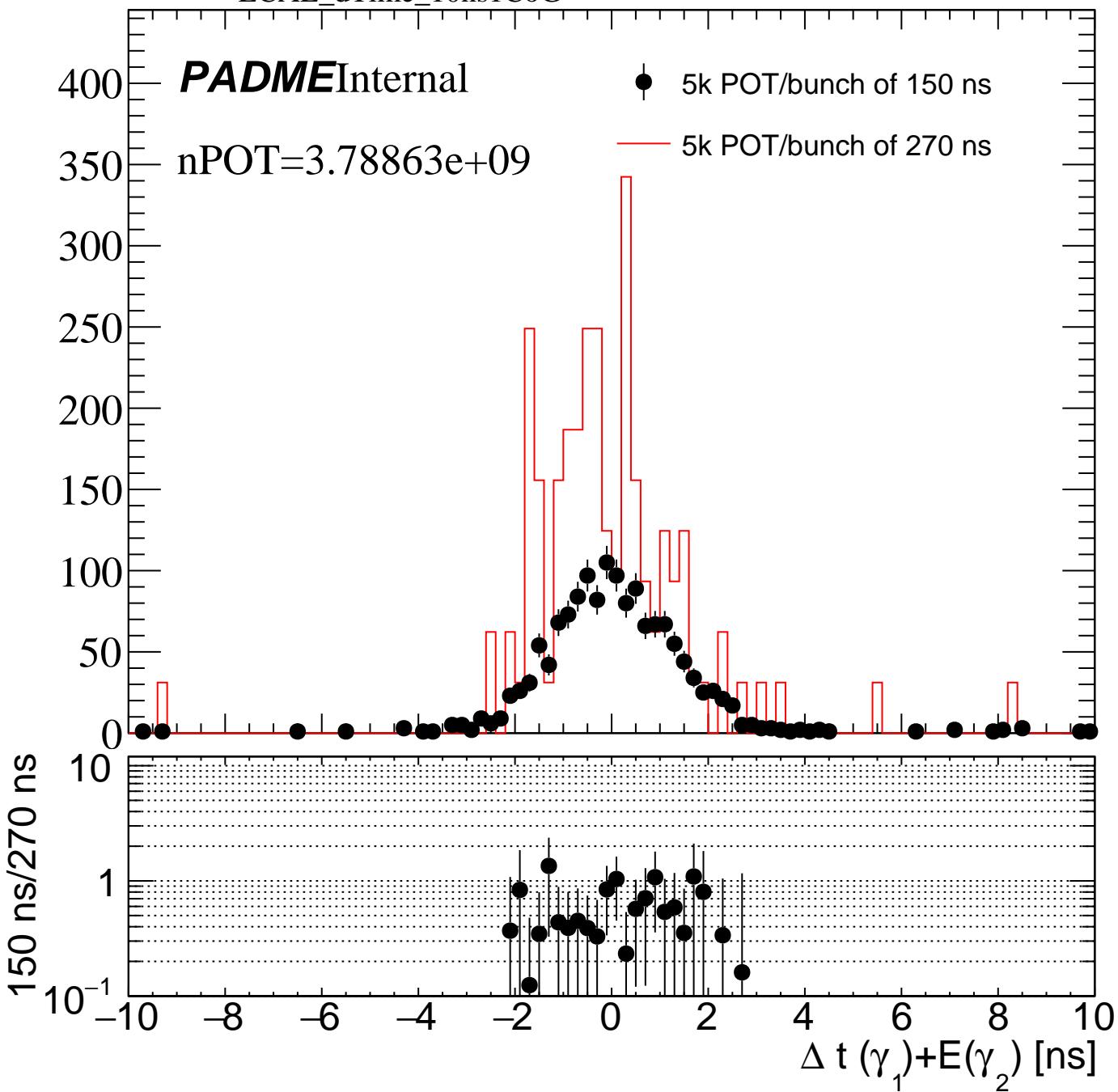




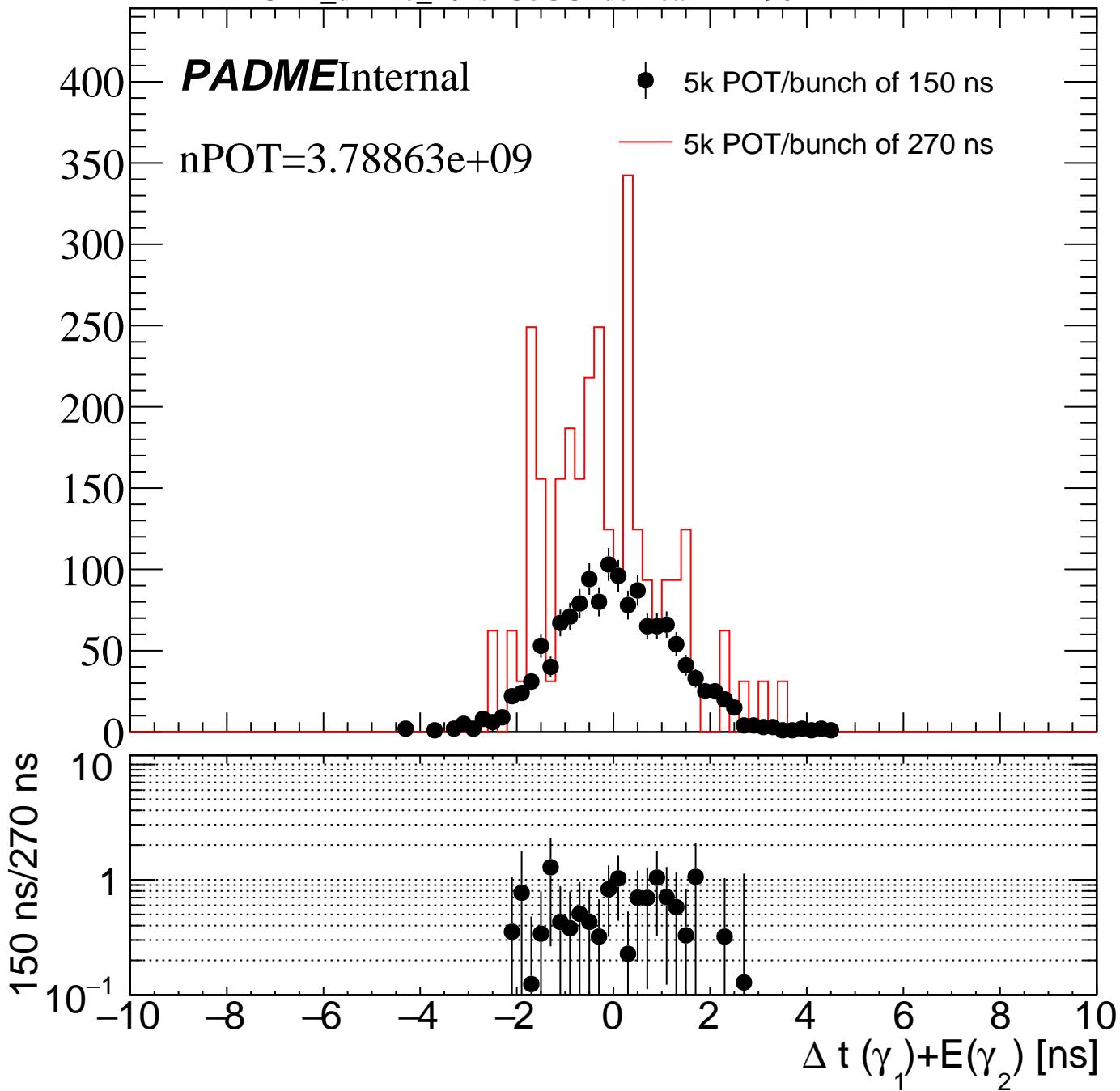
ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

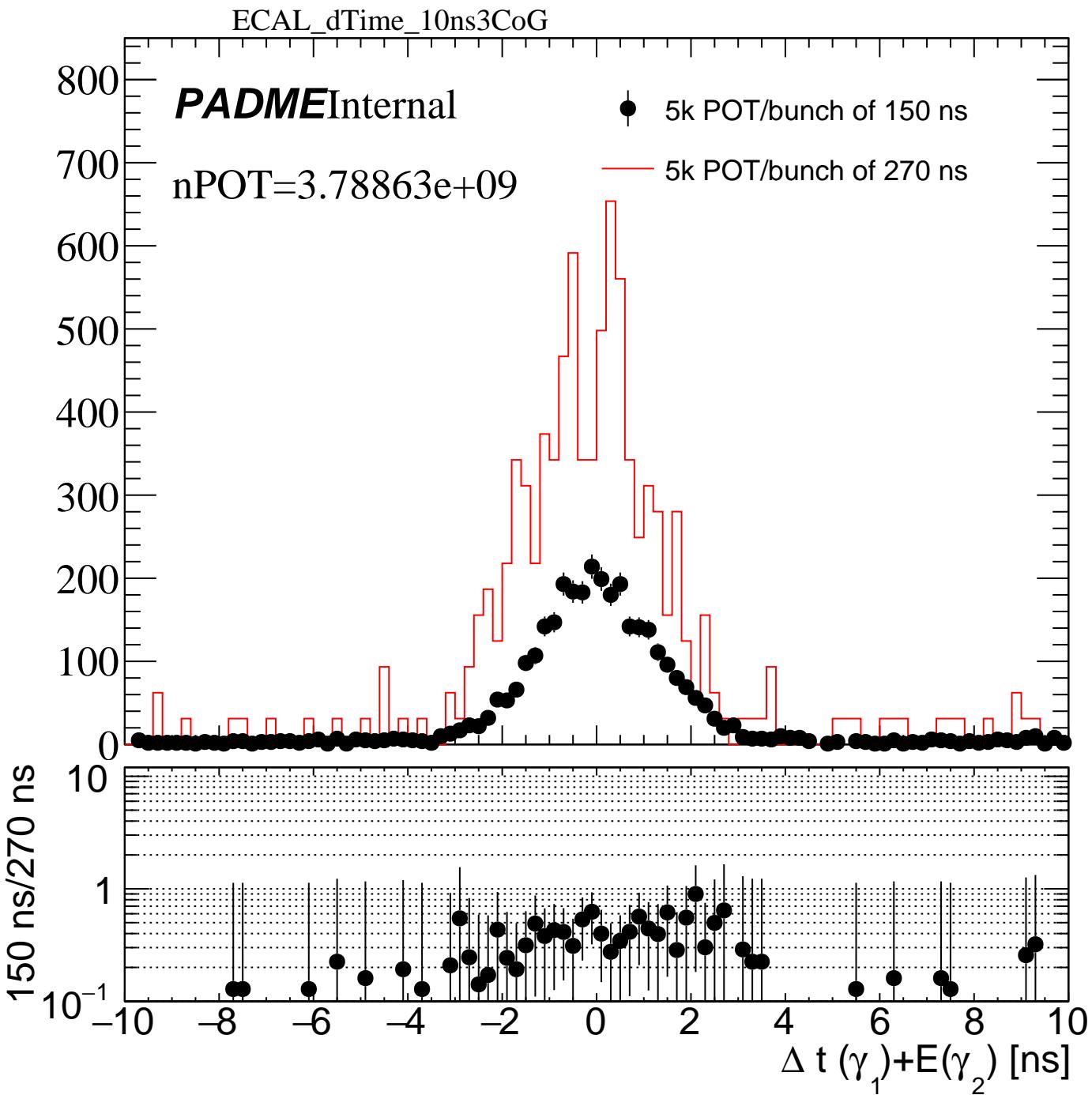


ECAL_dTime_10ns1CoG

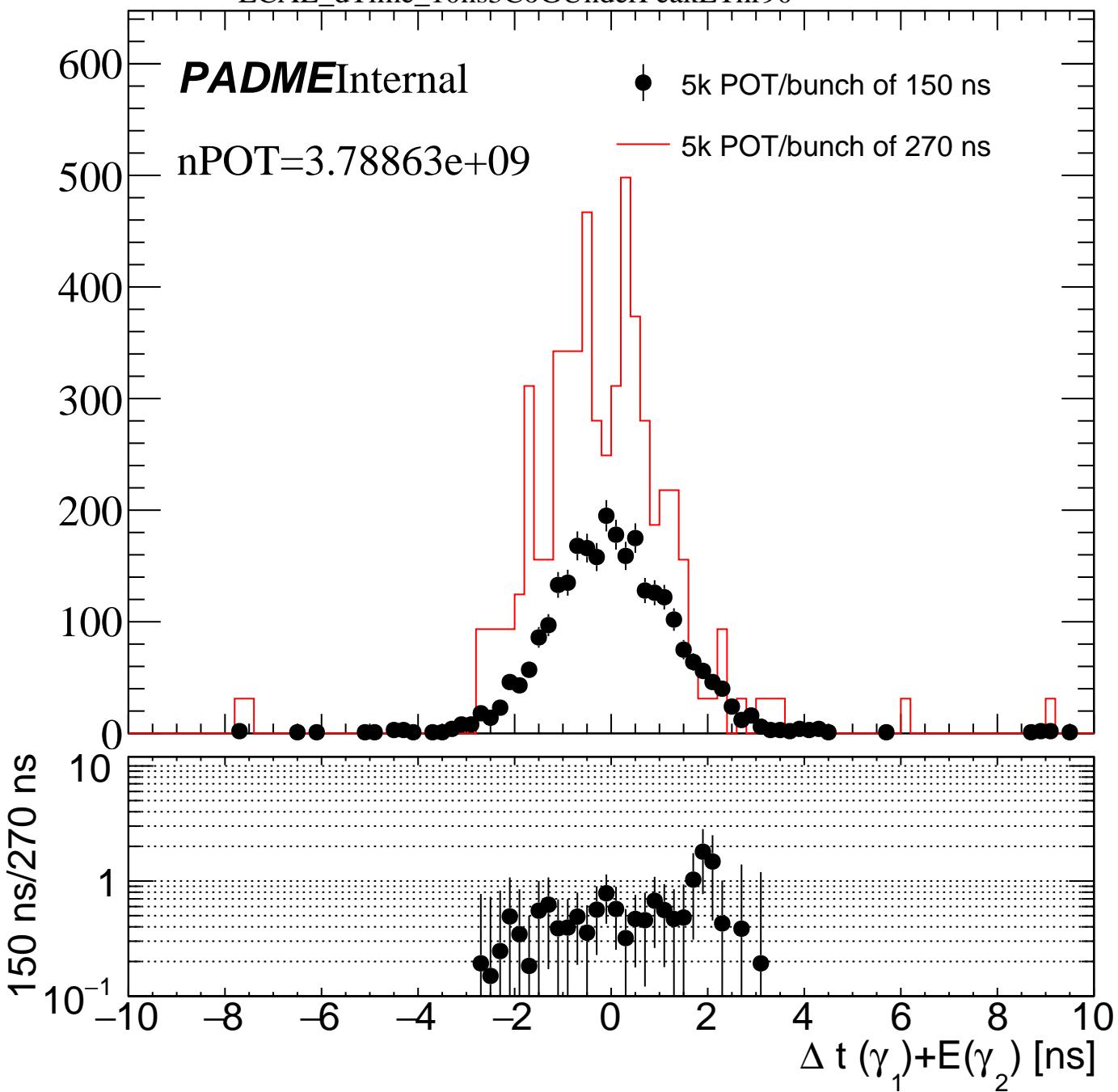


ECAL_dTime_10ns1CoGUnderPeakEThr90

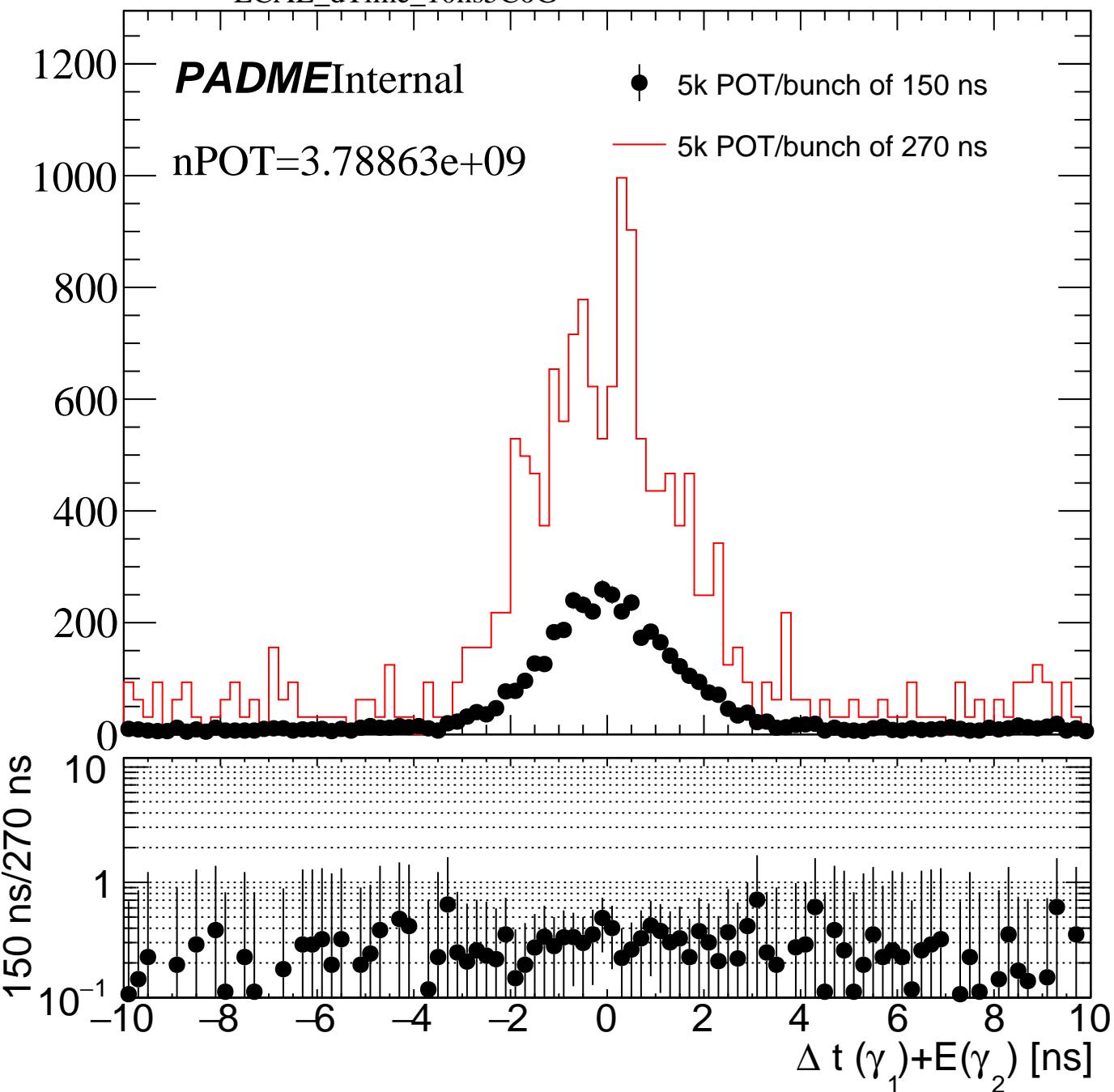




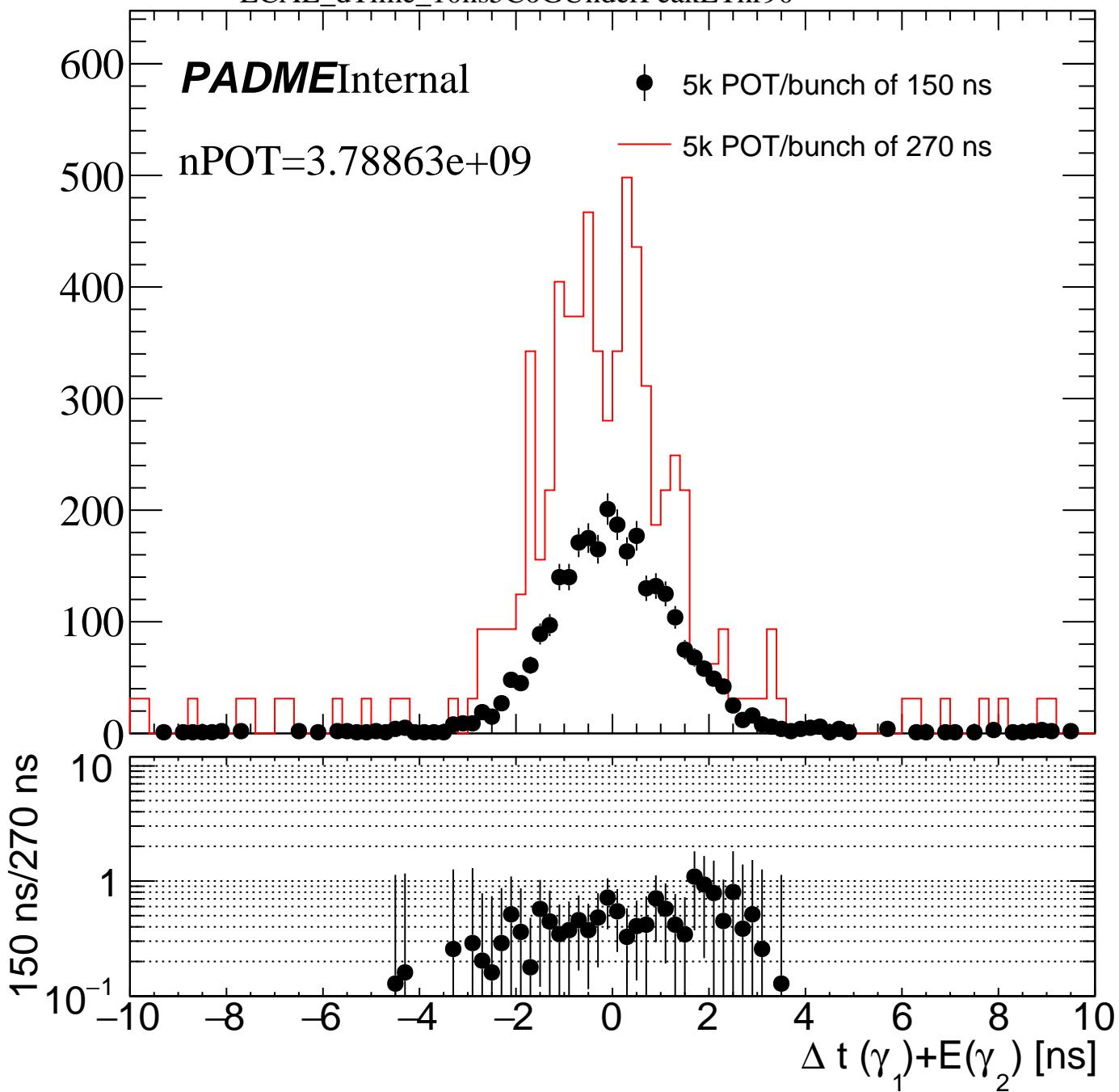
ECAL_dTime_10ns3CoGUnderPeakEThr90

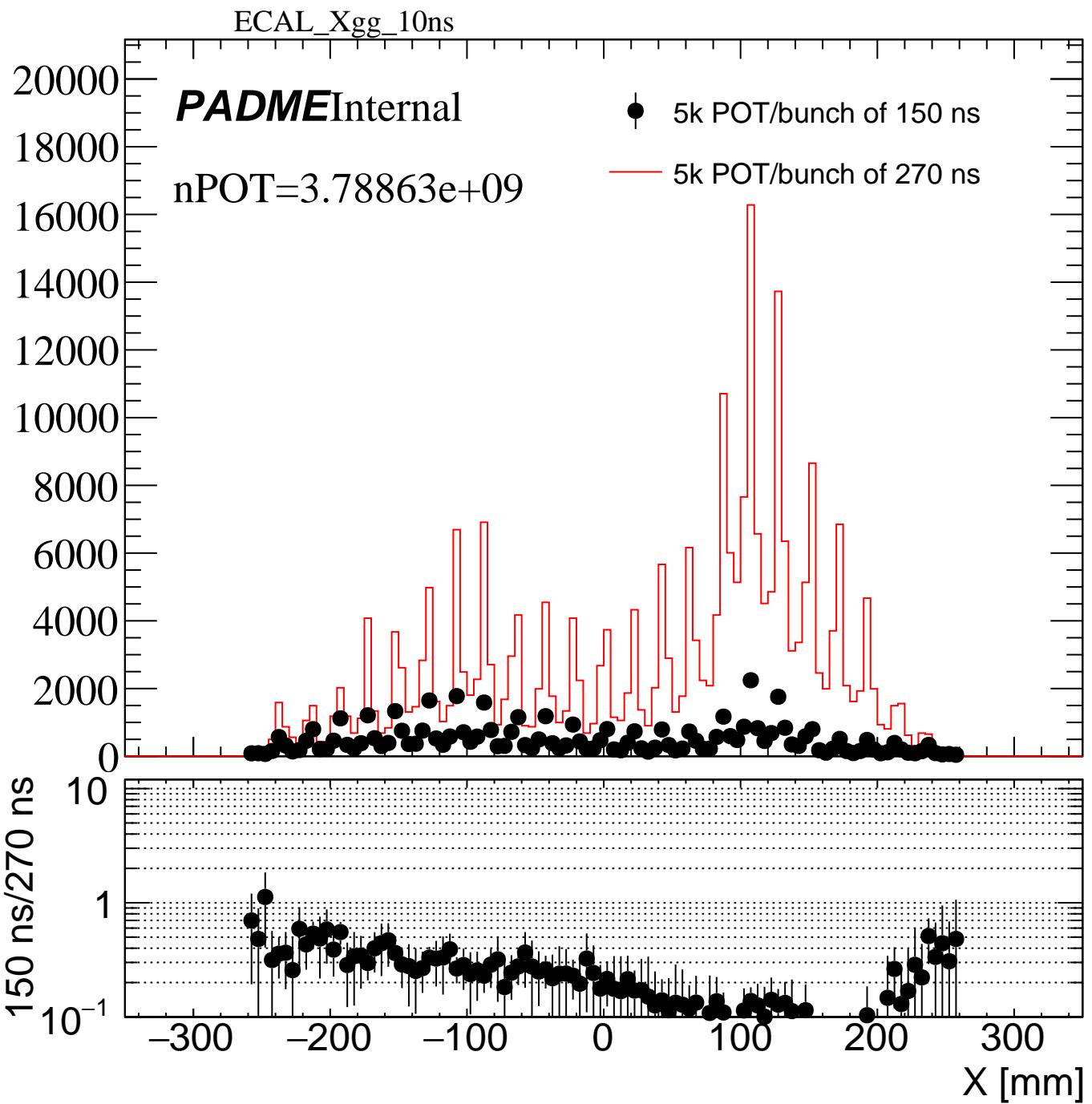


ECAL_dTime_10ns5CoG

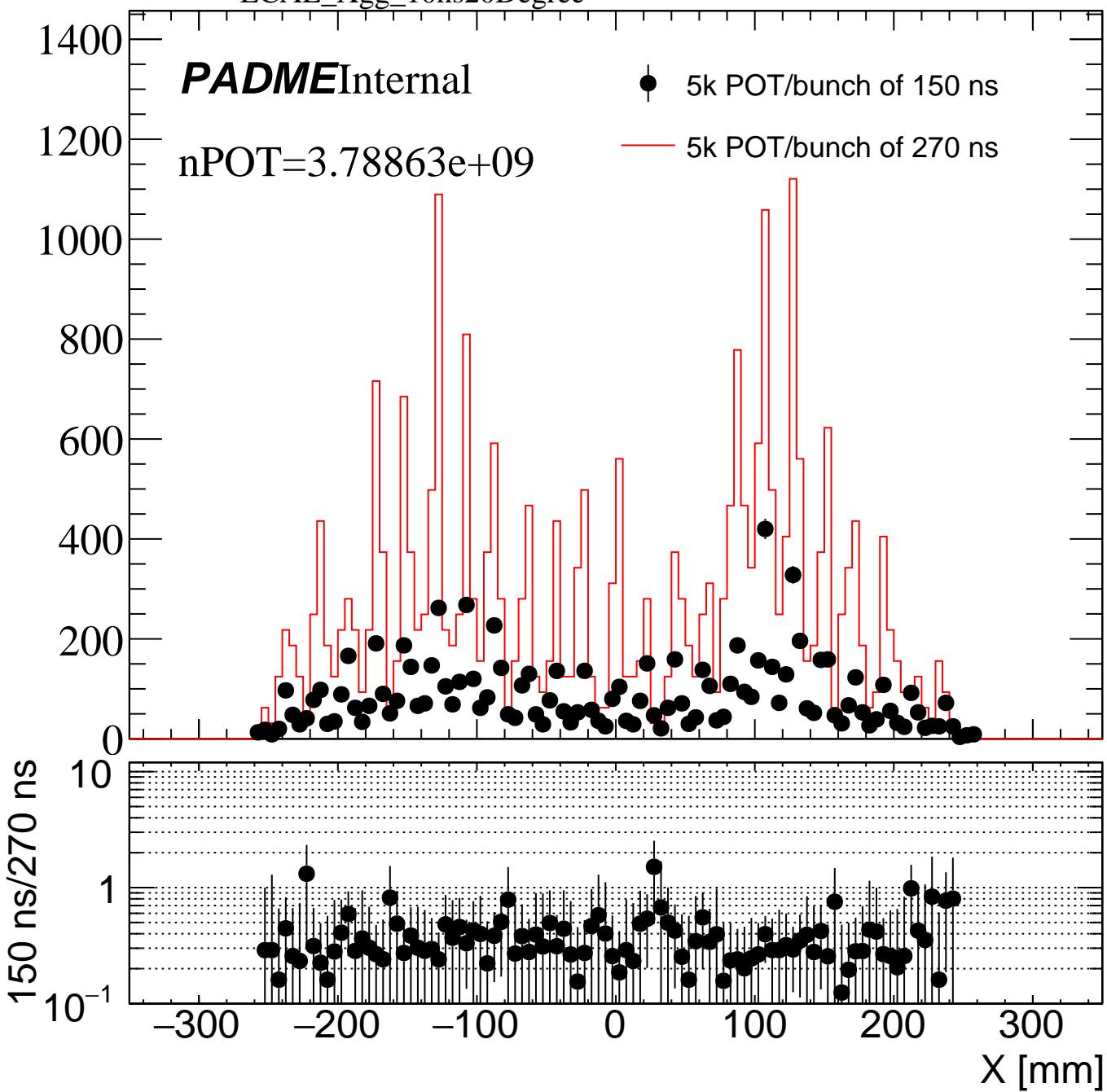


ECAL_dTime_10ns5CoGUnderPeakETHr90





ECAL_Xgg_10ns20Degree



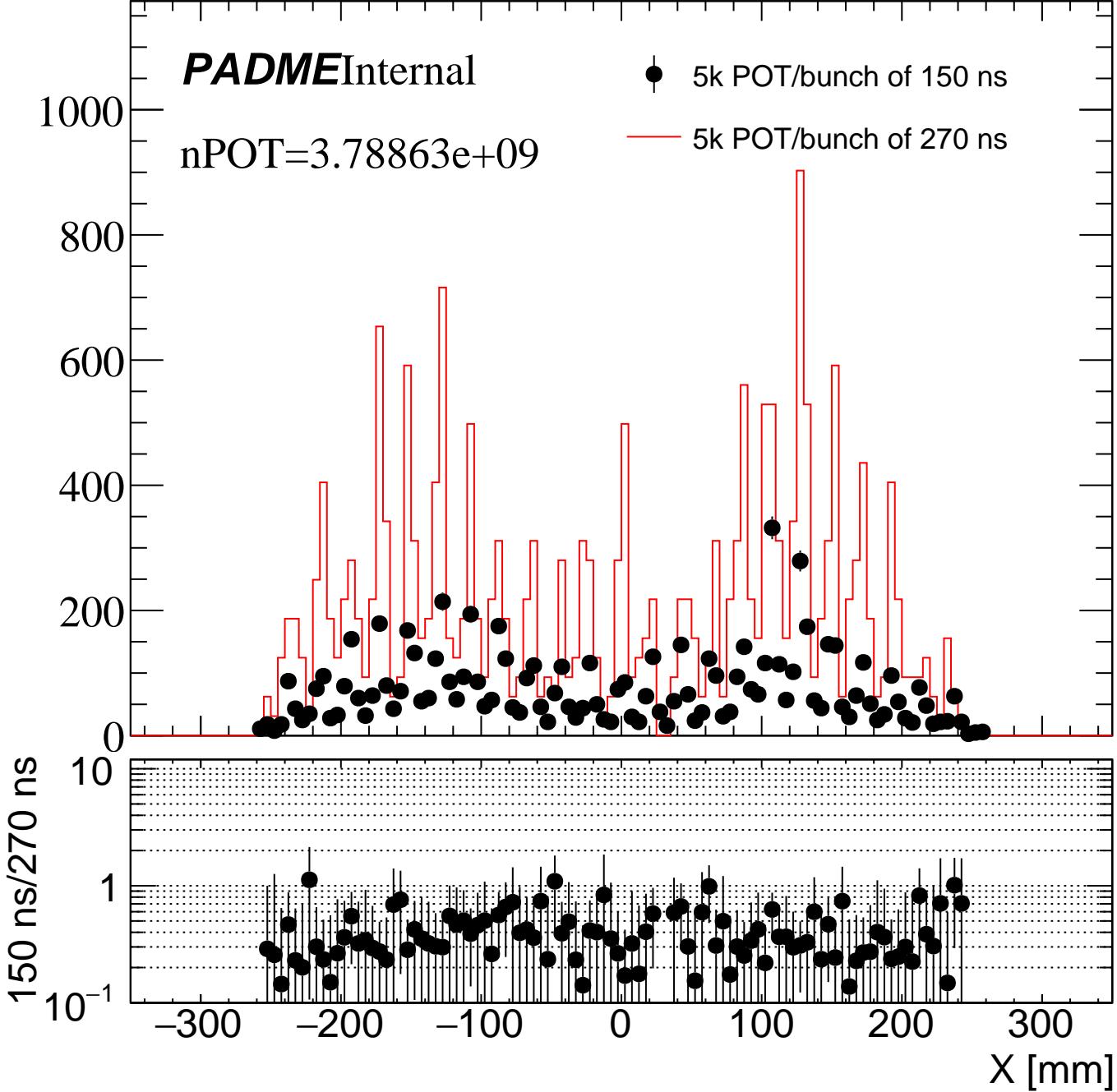
ECAL_Xgg_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=3.78863e+09

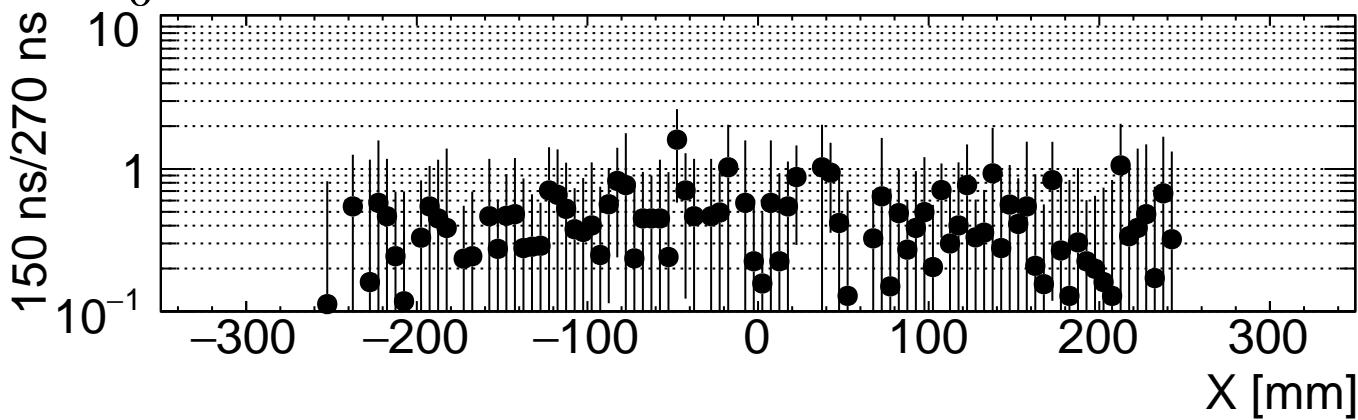
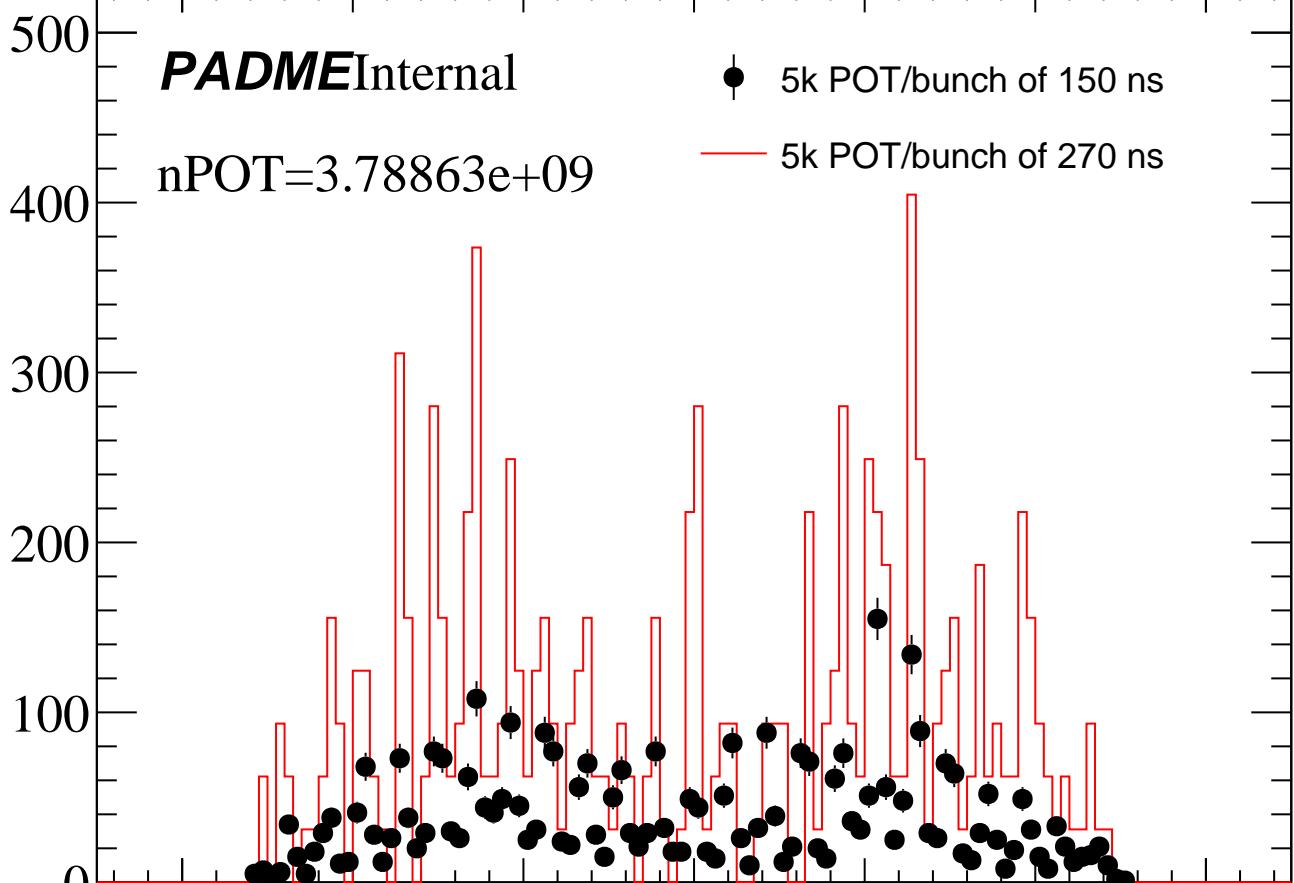
● 5k POT/bunch of 150 ns

— 5k POT/bunch of 270 ns

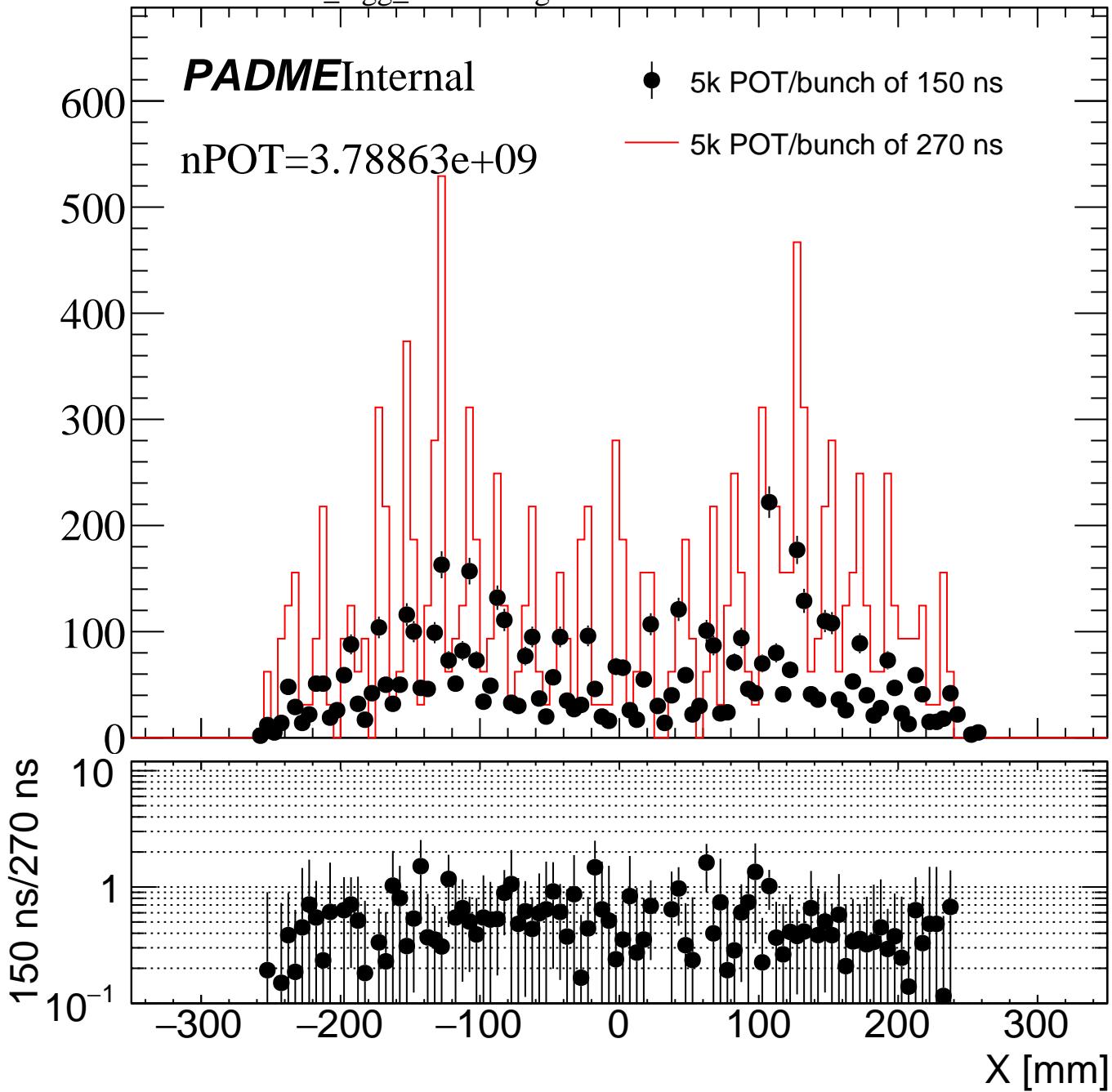


ECAL_Xgg_10ns5DegreeDeltaTheta

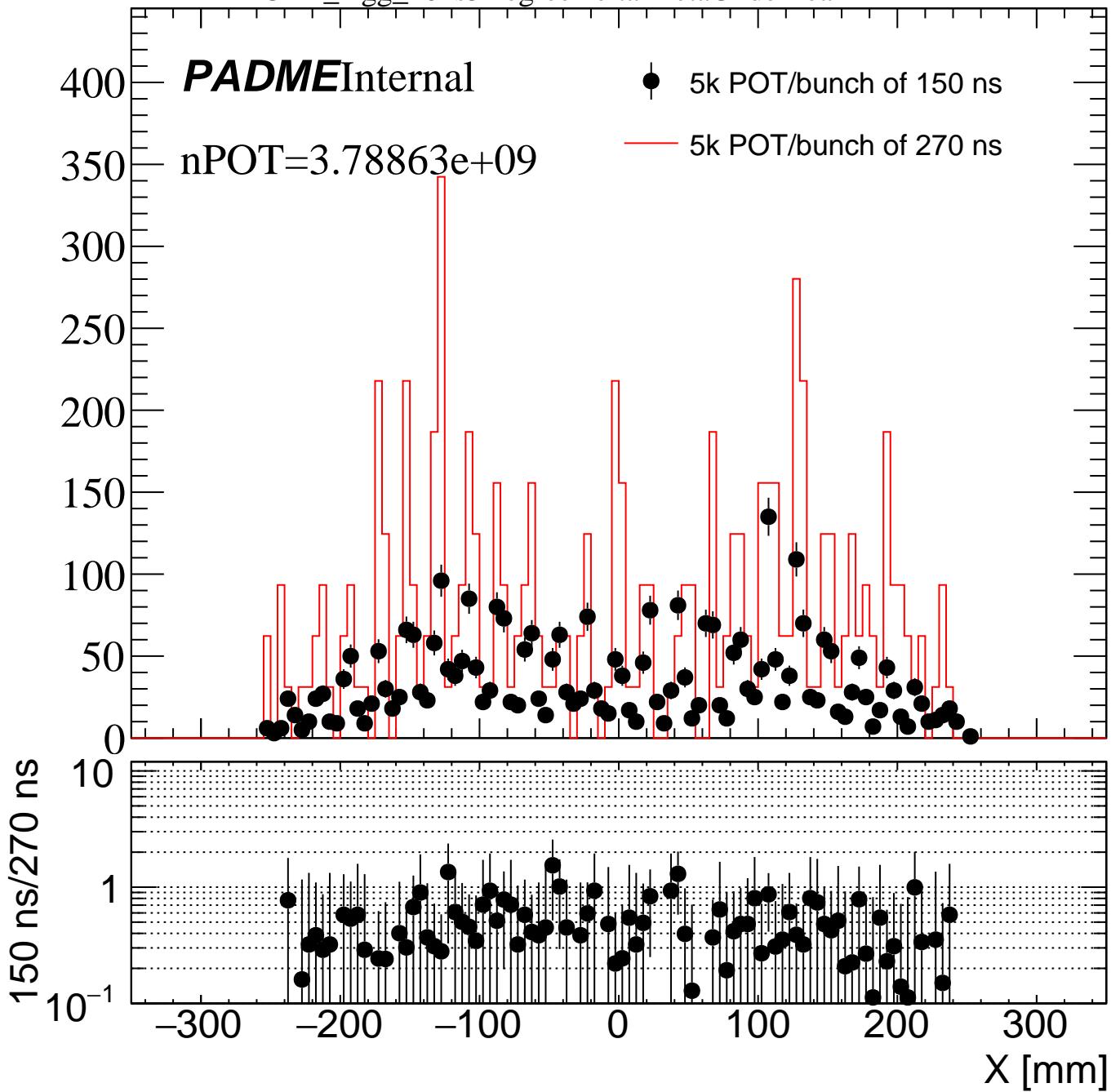
PADME Internal



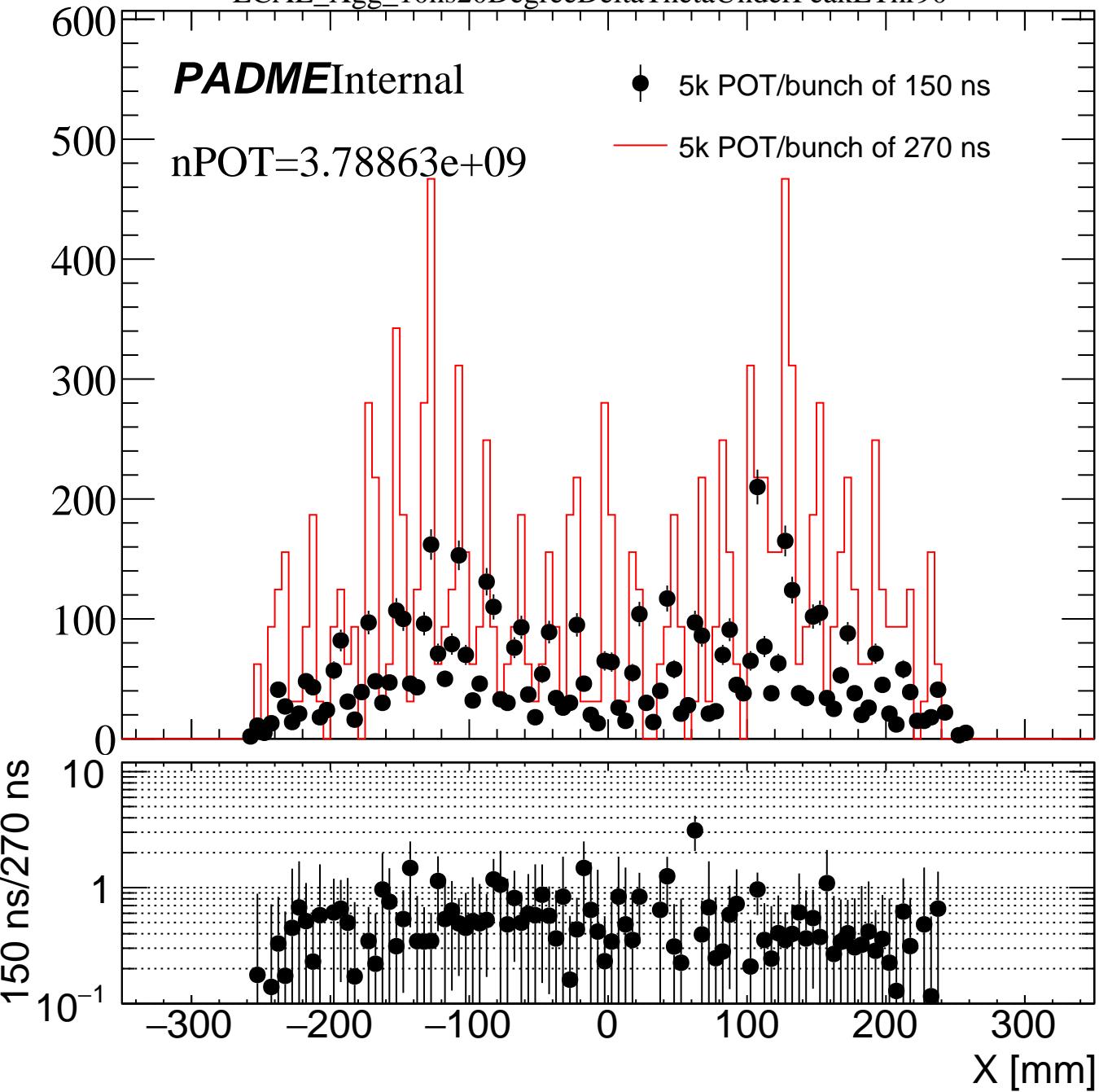
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



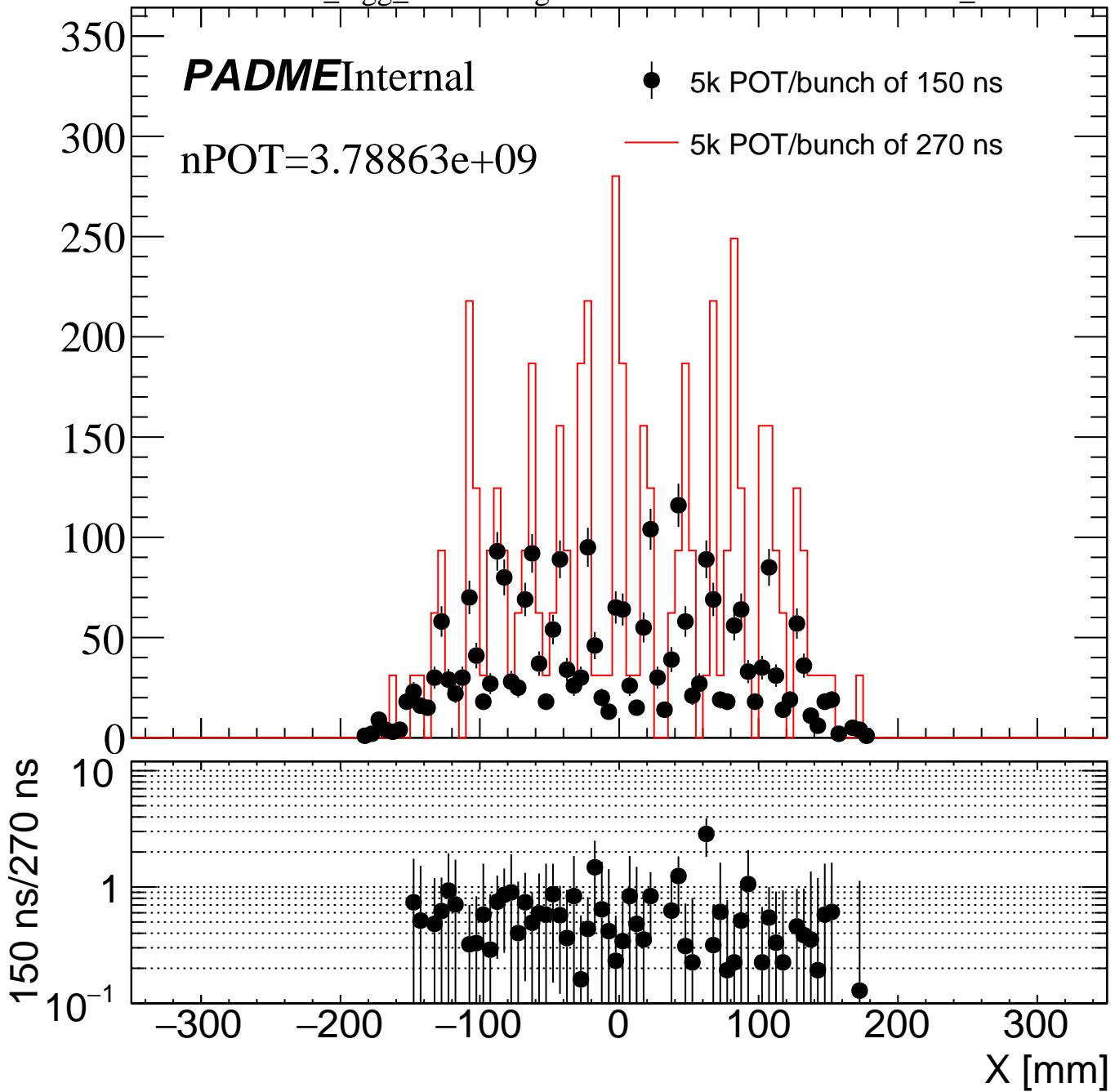
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak



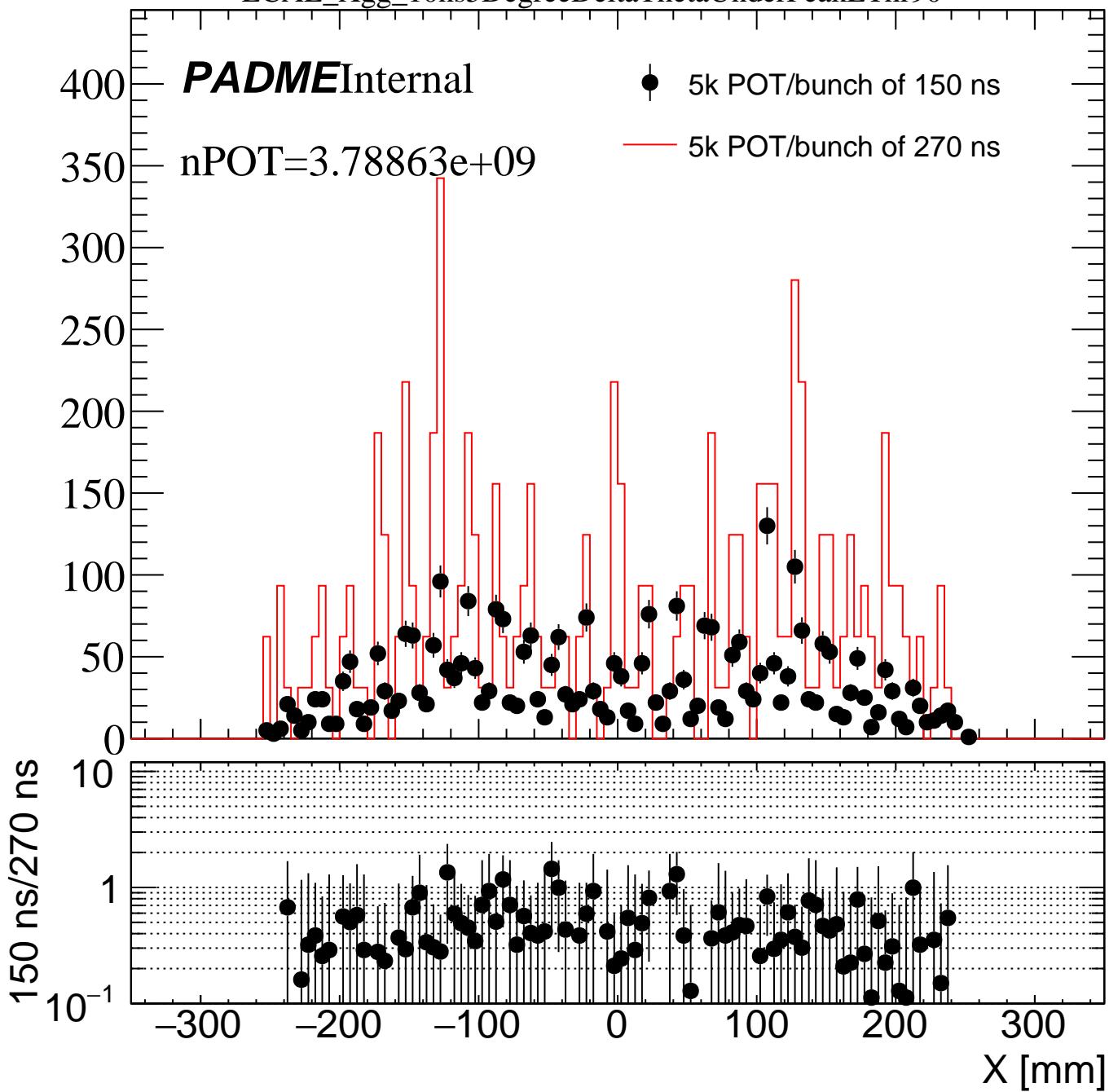
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90



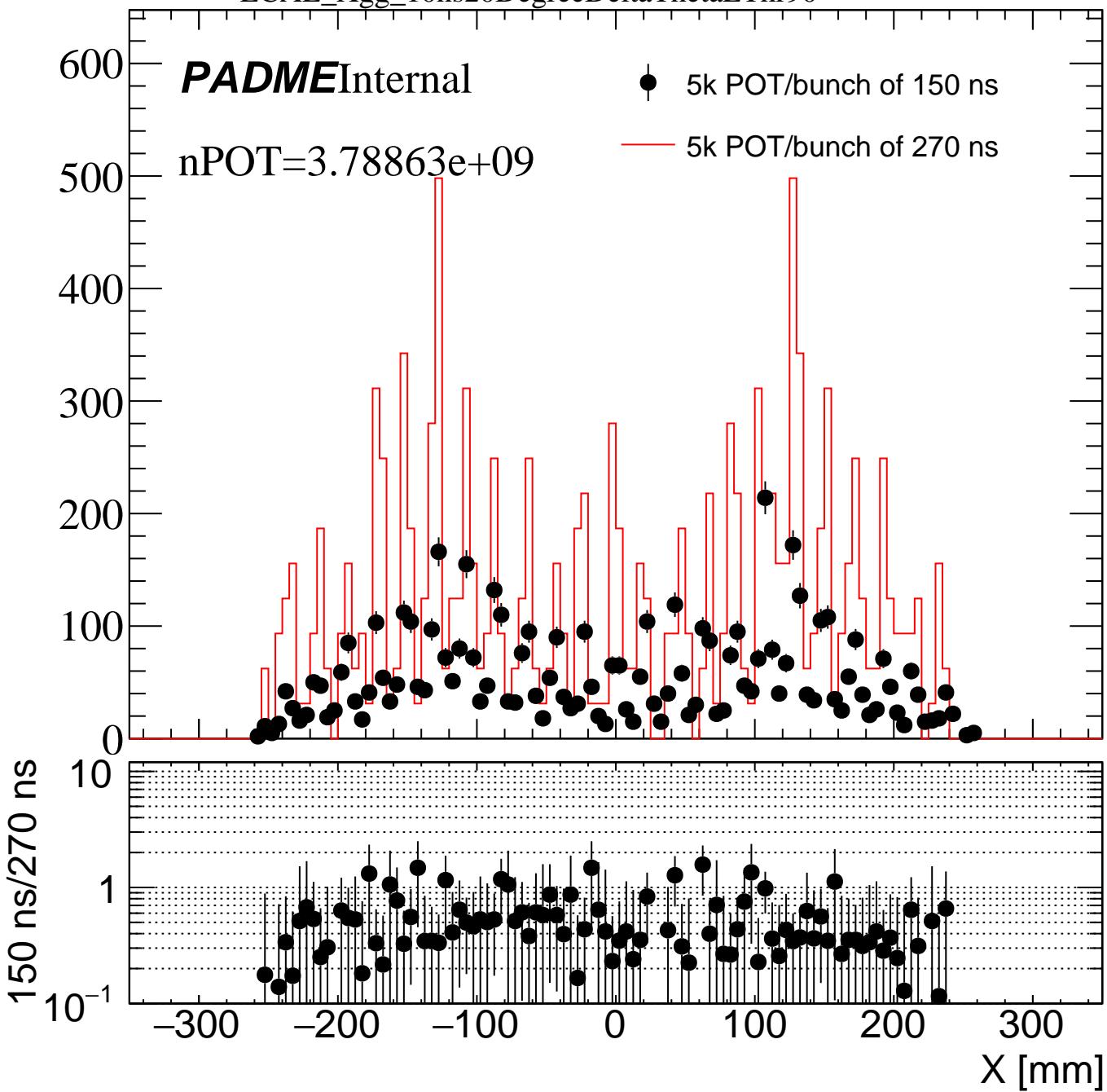
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



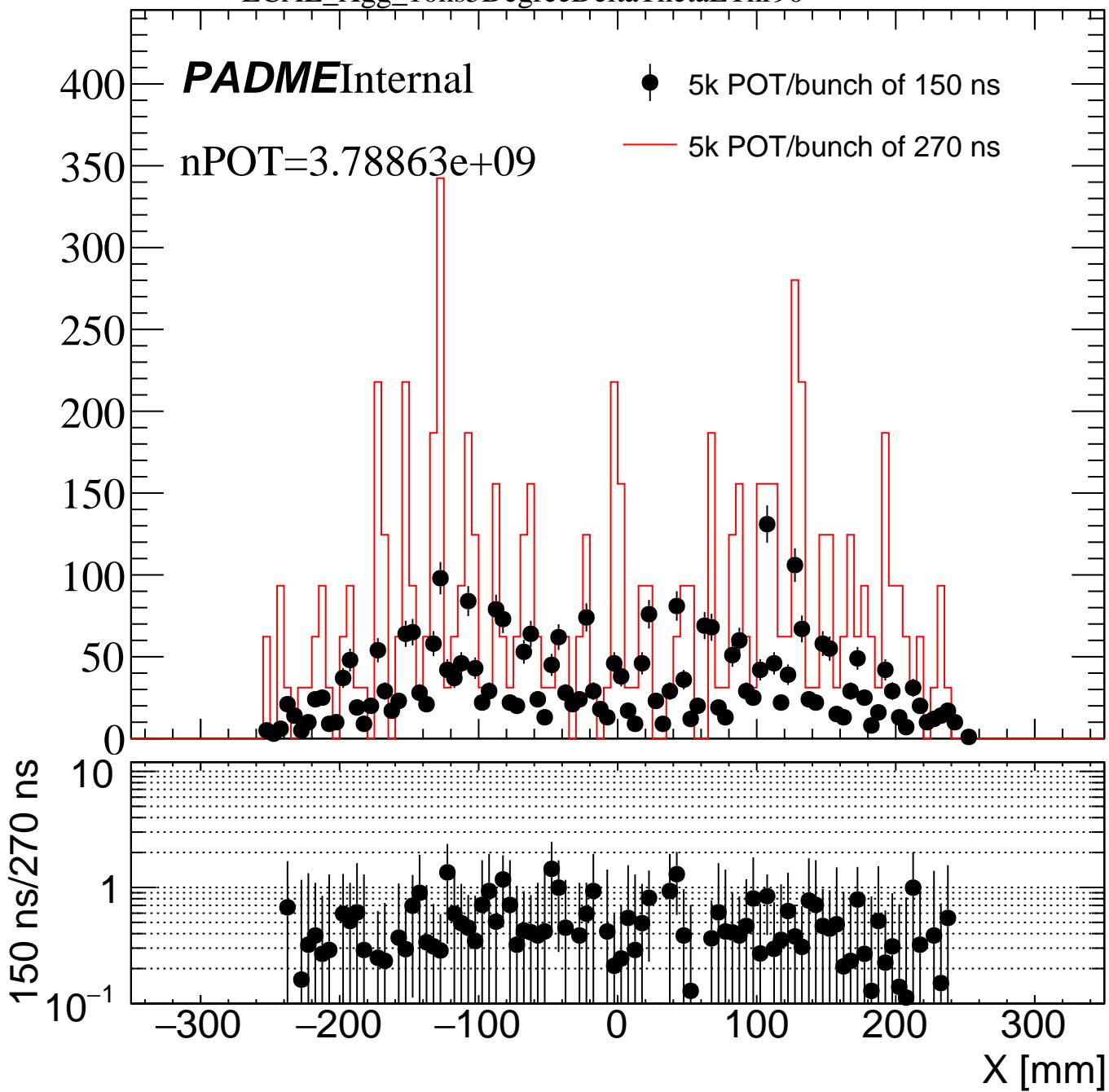
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90



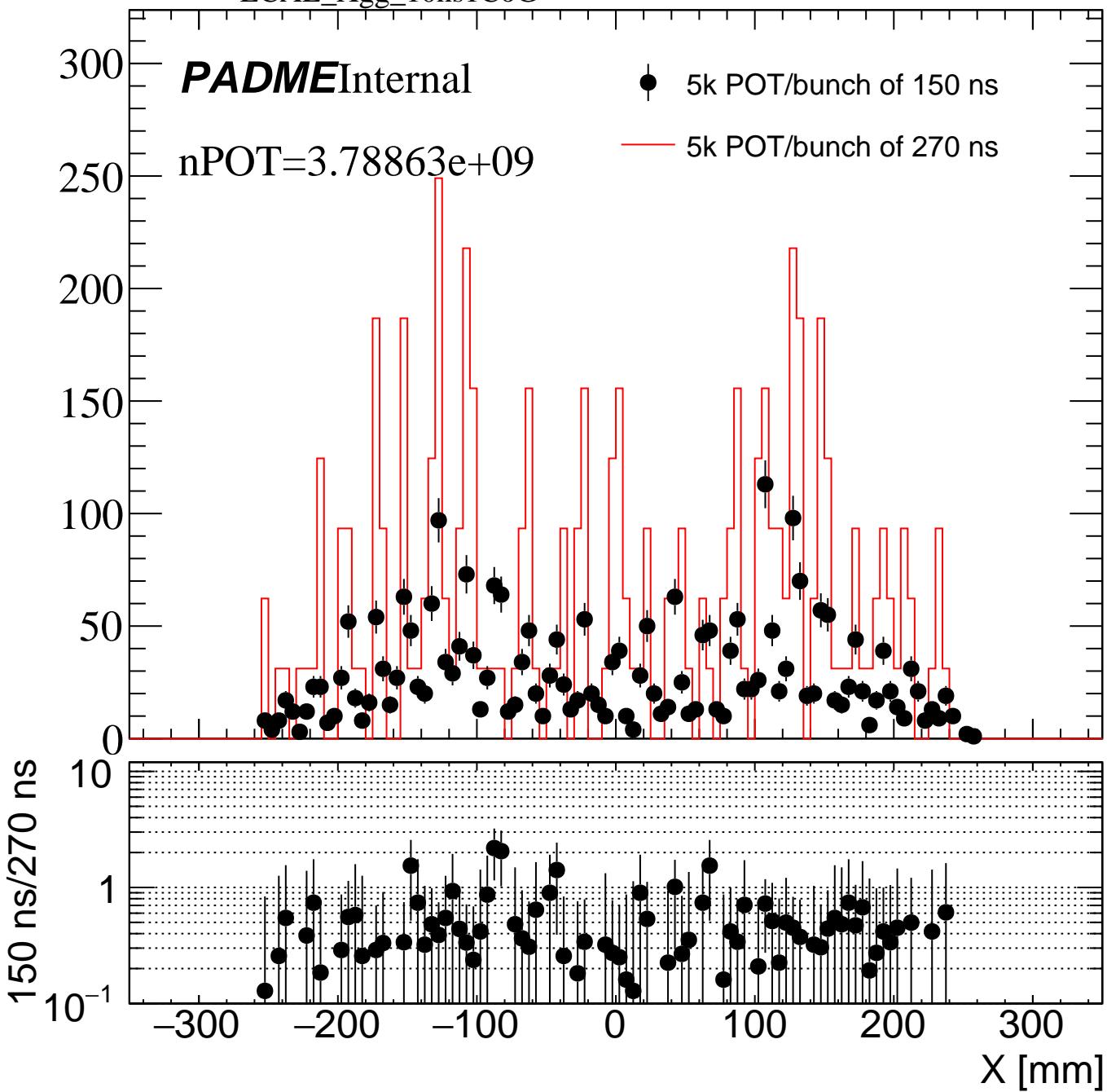
ECAL_Xgg_10ns20DegreeDeltaThetaEThr90



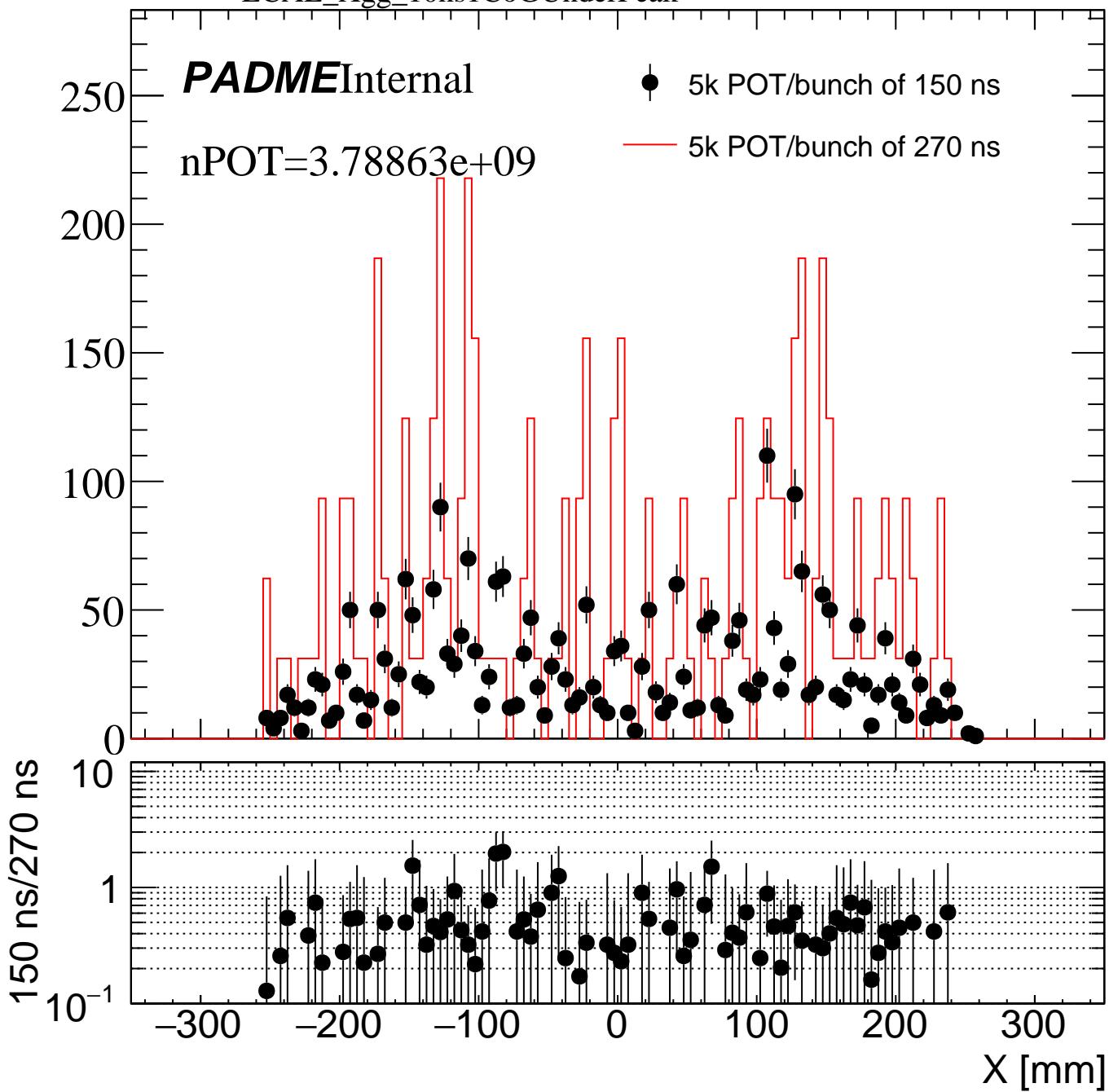
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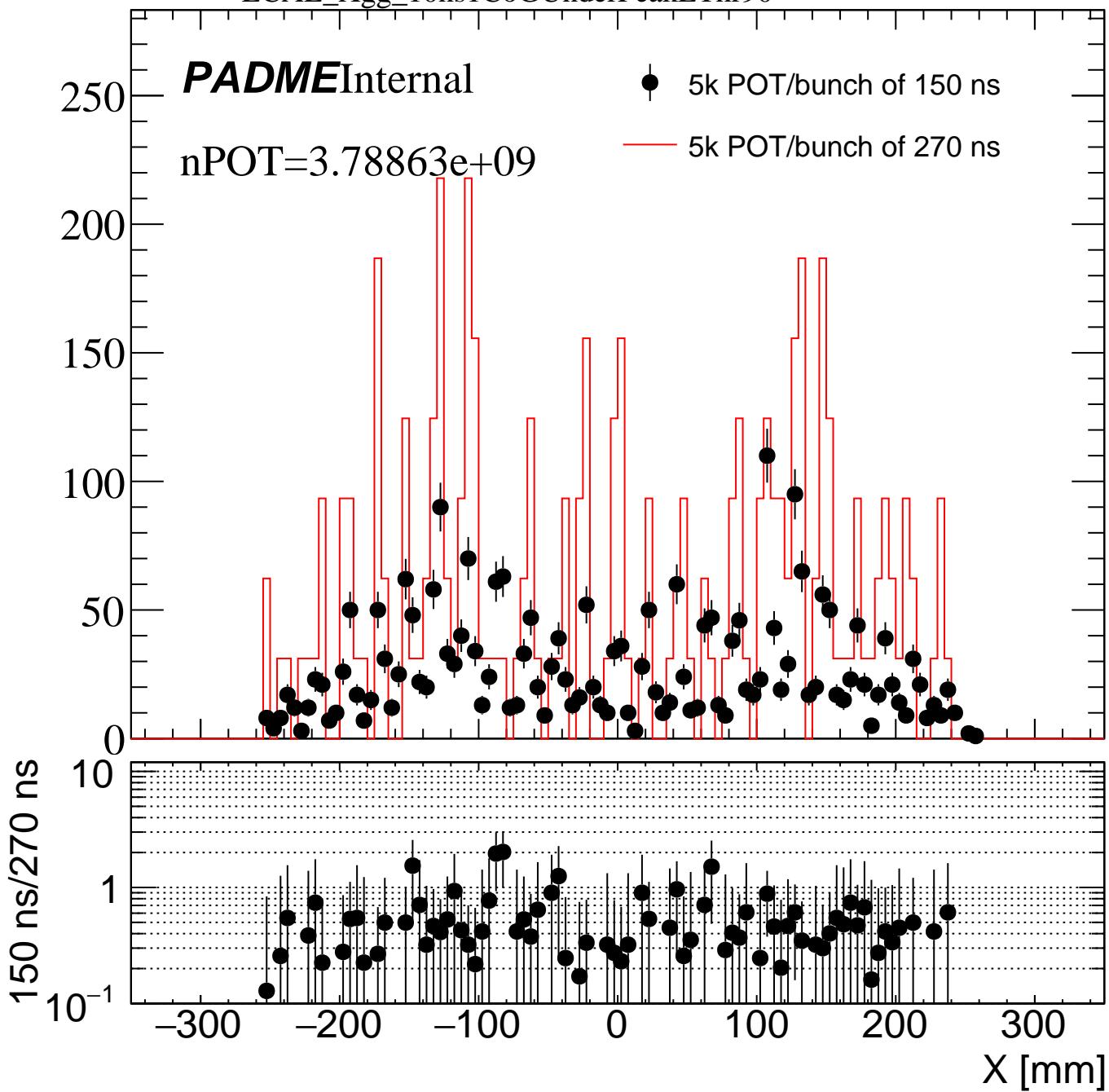
ECAL_Xgg_10ns1CoG



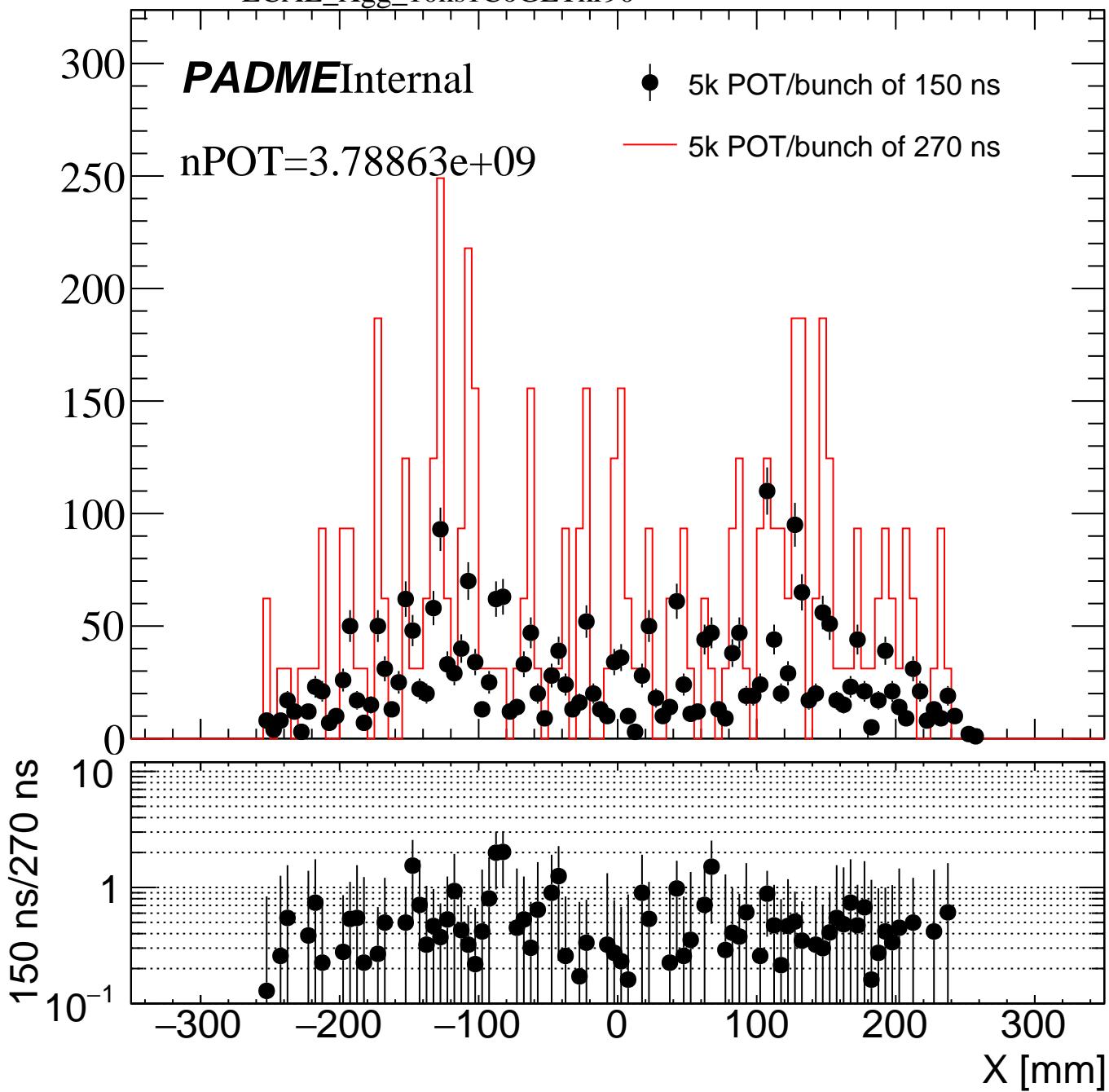
ECAL_Xgg_10ns1CoGUnderPeak



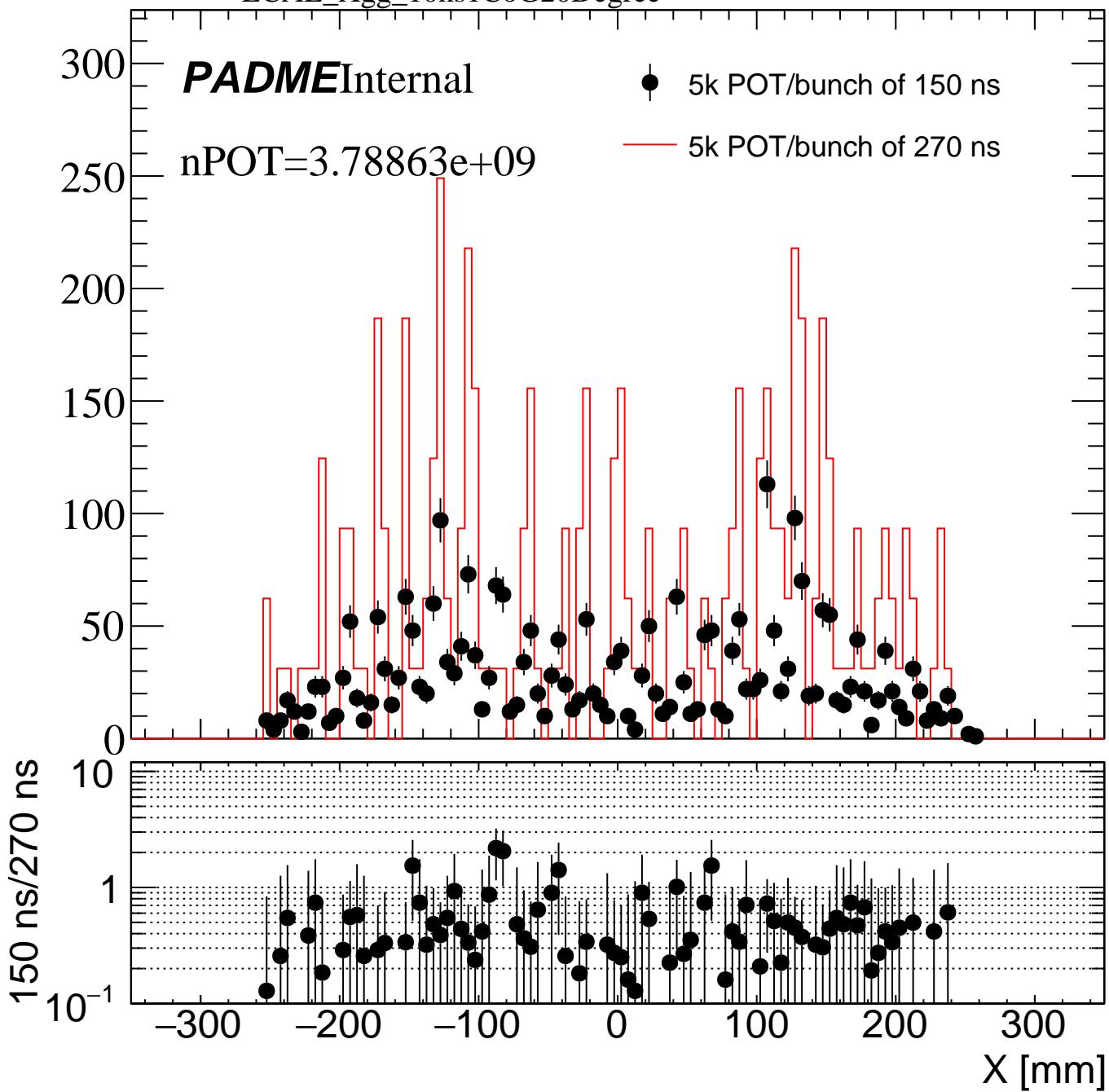
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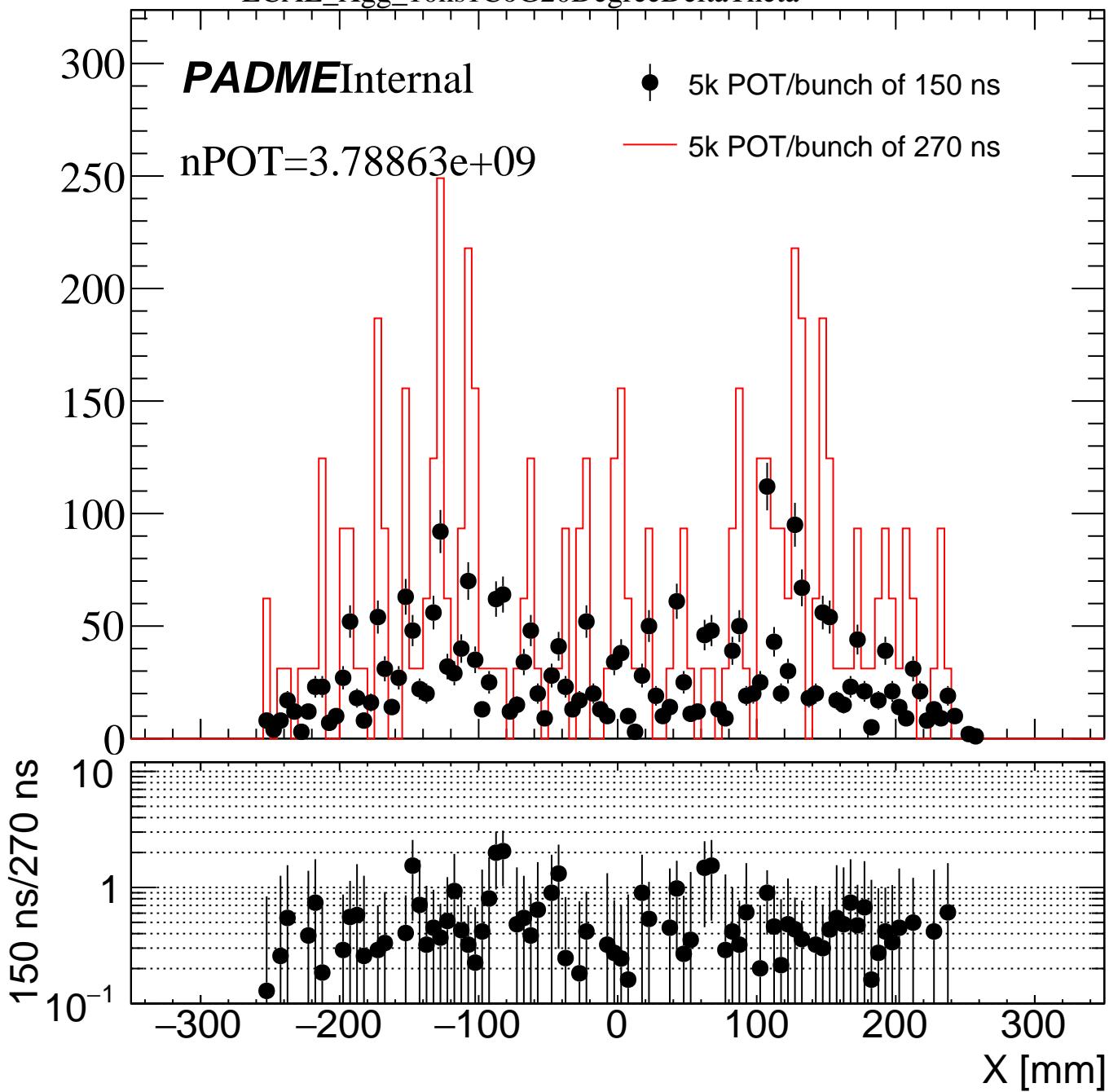
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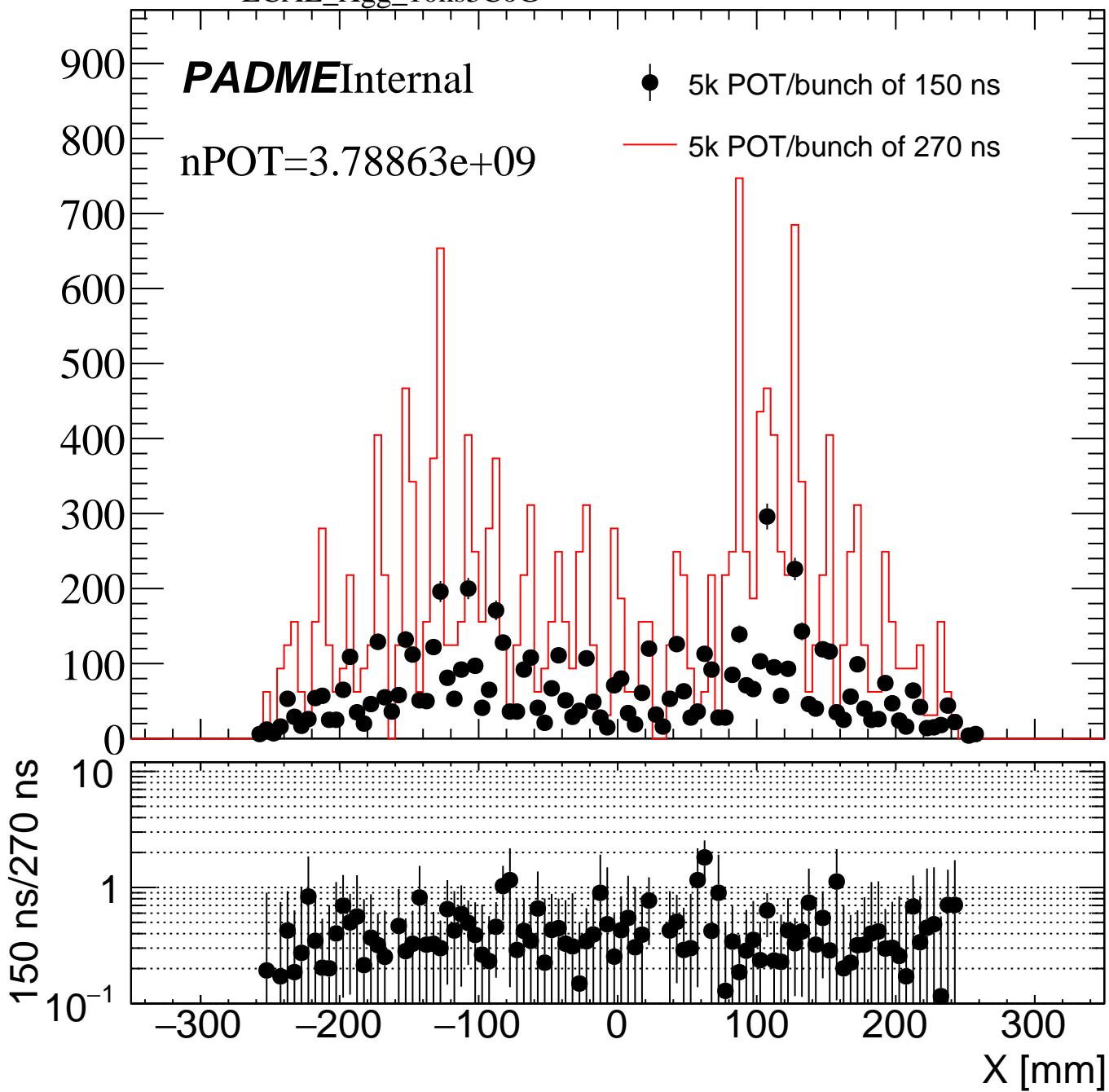
ECAL_Xgg_10ns1CoG20Degree

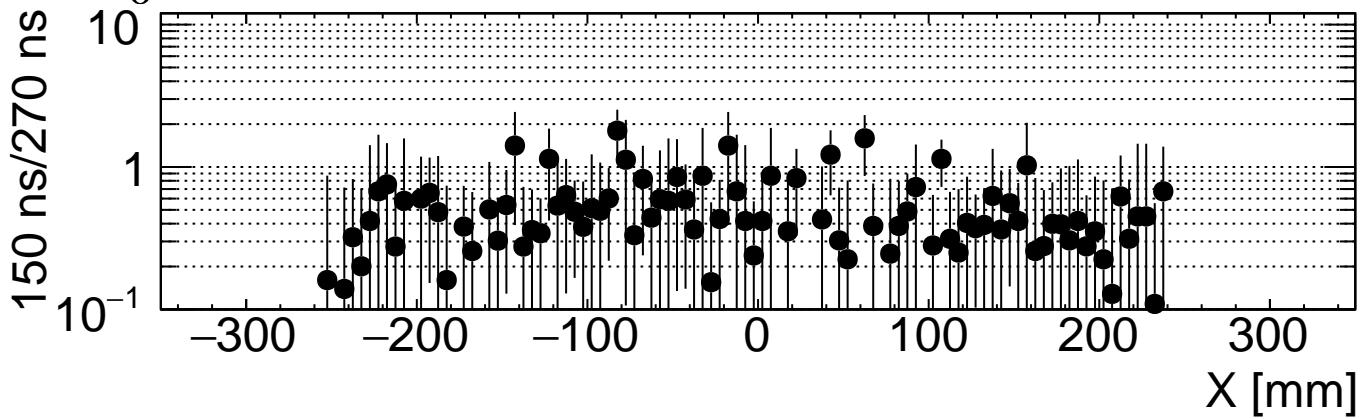
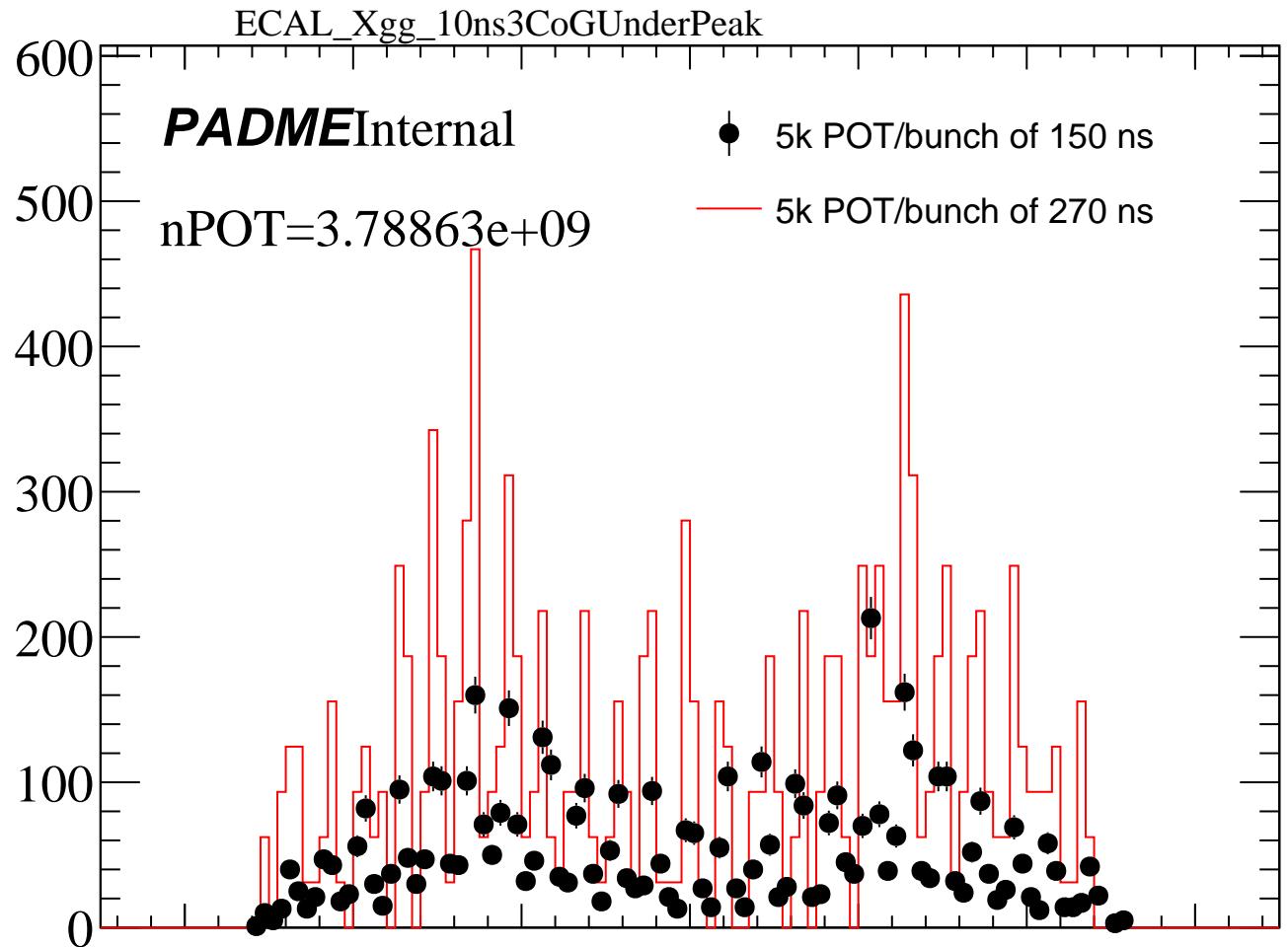


ECAL_Xgg_10ns1CoG20DegreeDeltaTheta

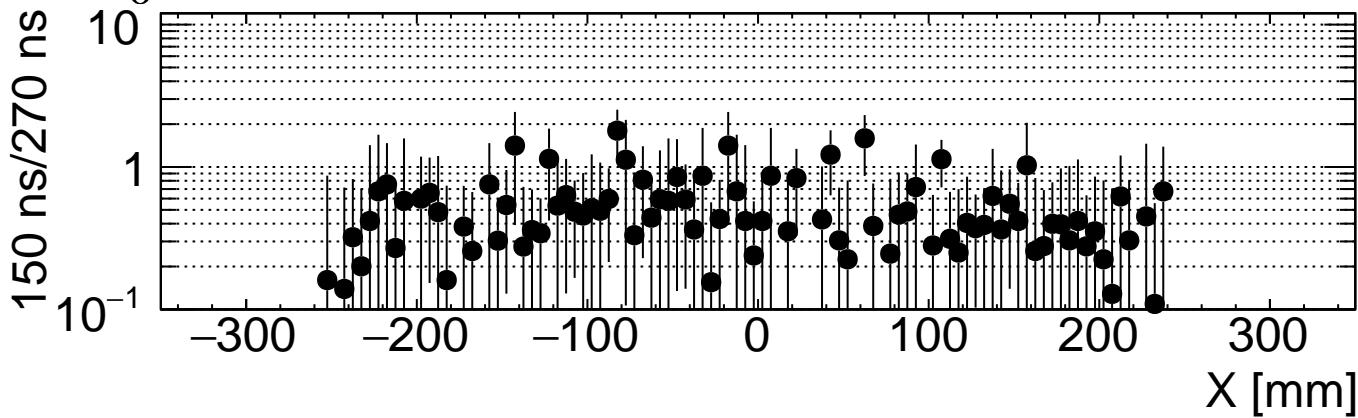
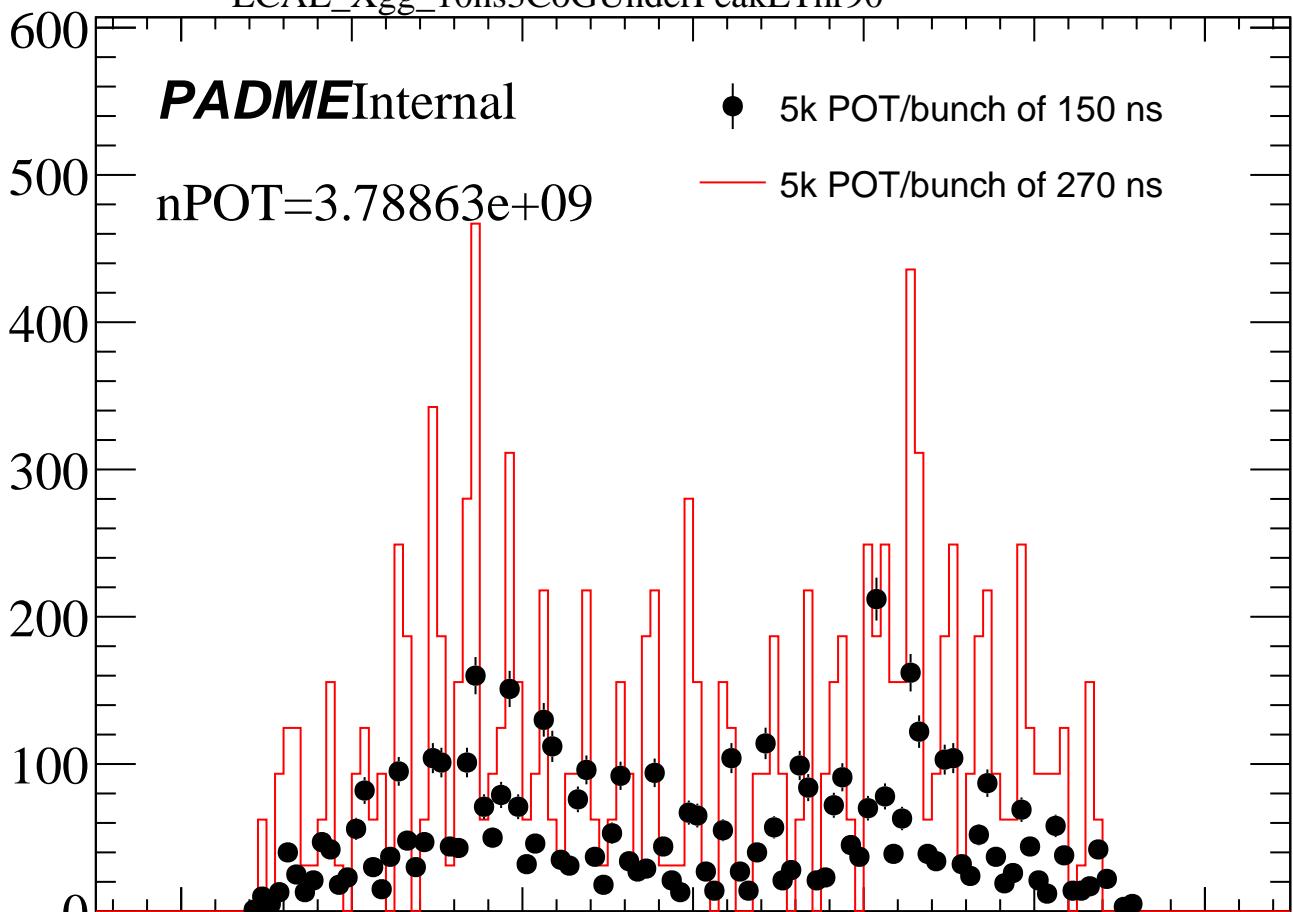


ECAL_Xgg_10ns3CoG

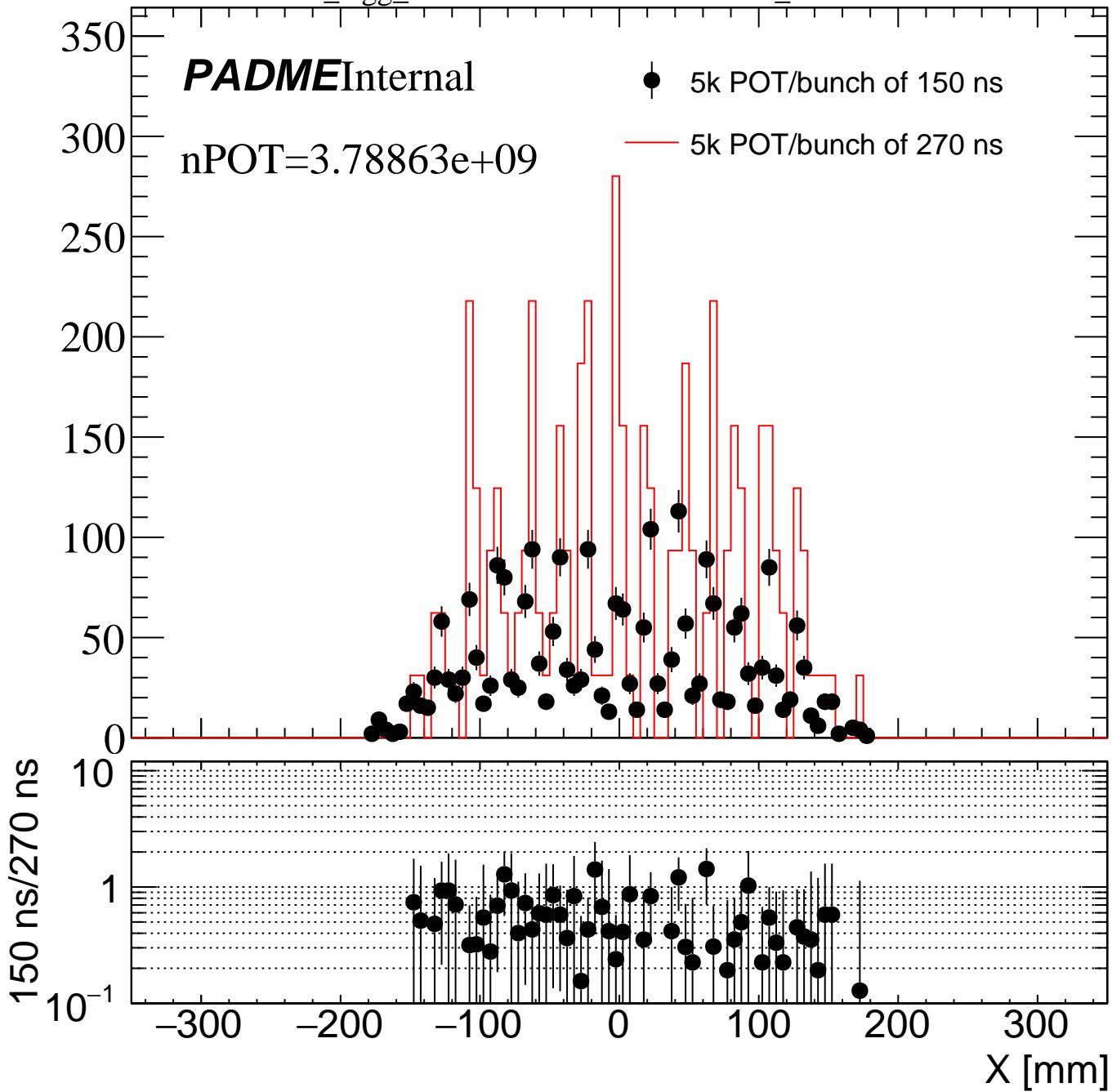




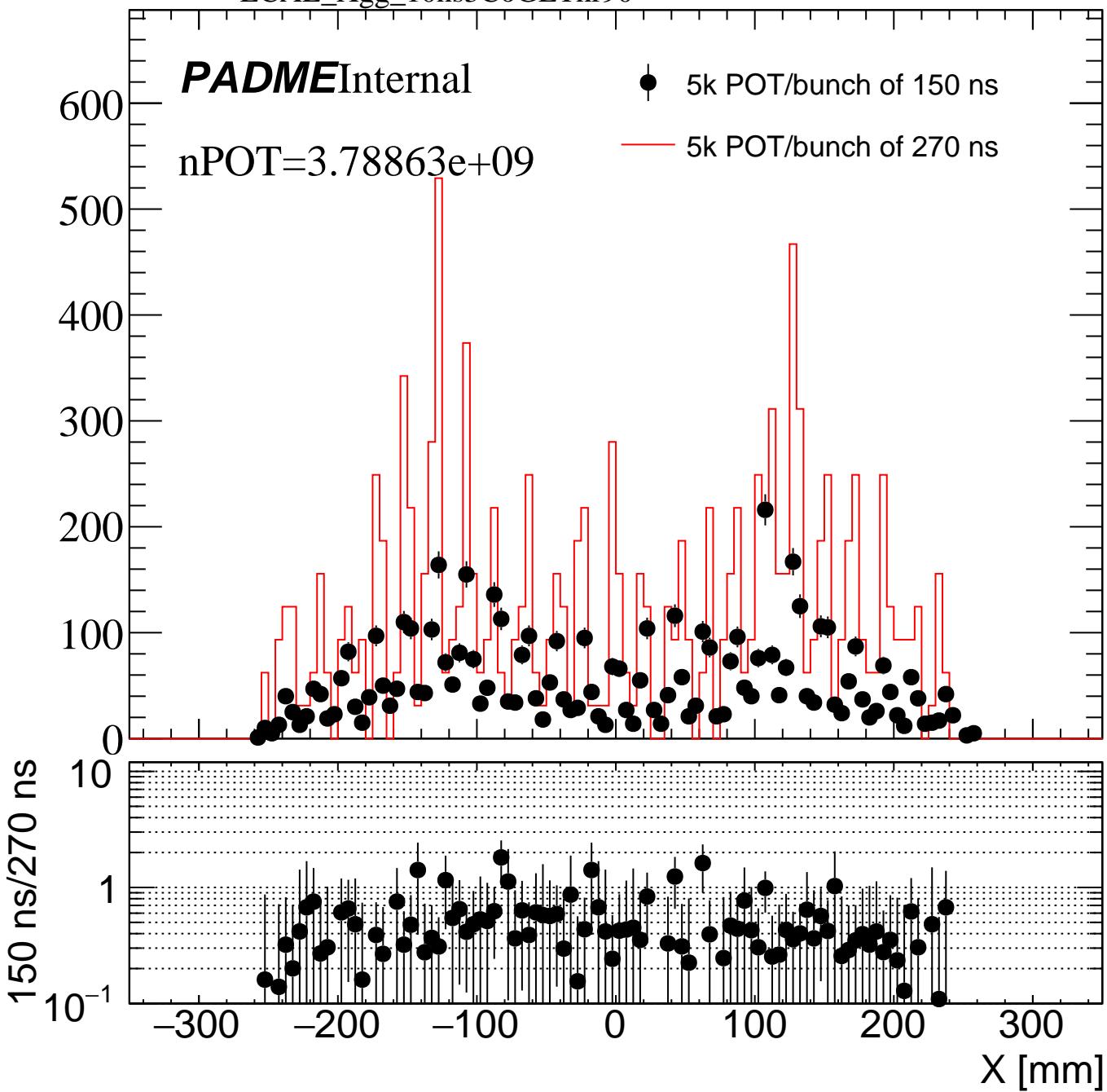
ECAL_Xgg_10ns3CoGUnderPeakEThr90



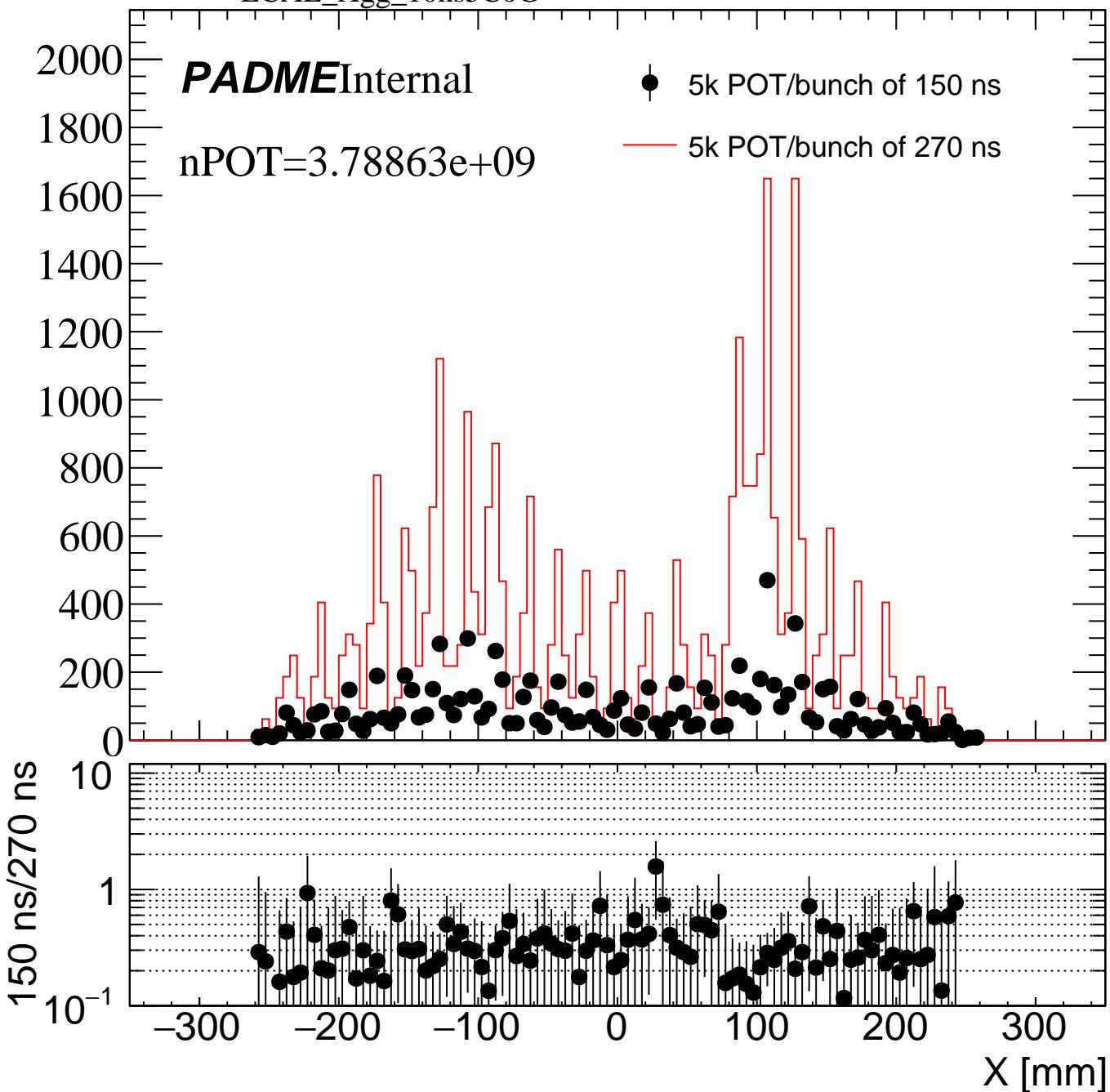
ECAL_Xgg_10ns3CoGUnderPeakEThr90_FRY

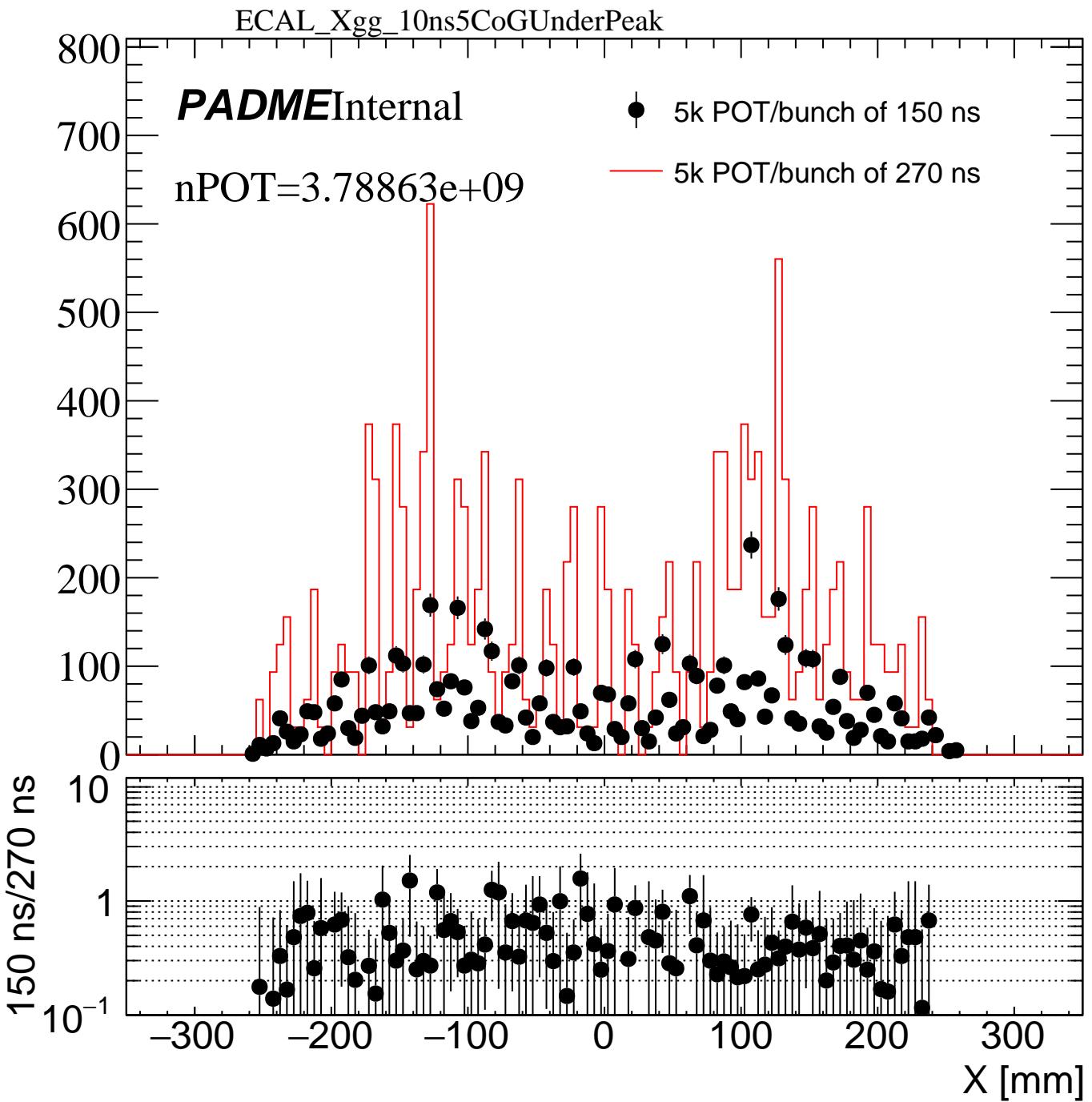


ECAL_Xgg_10ns3CoGEThr90

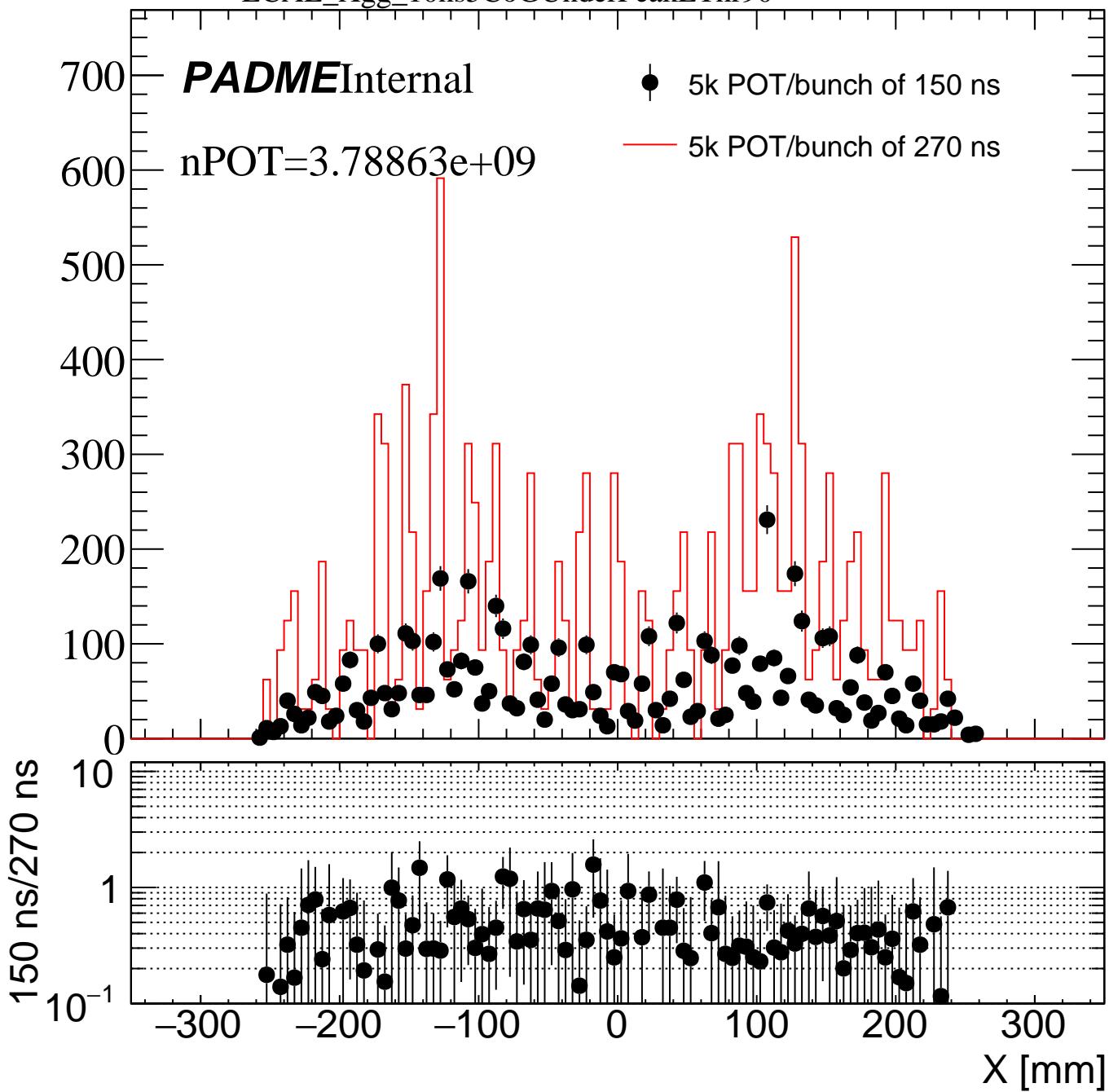


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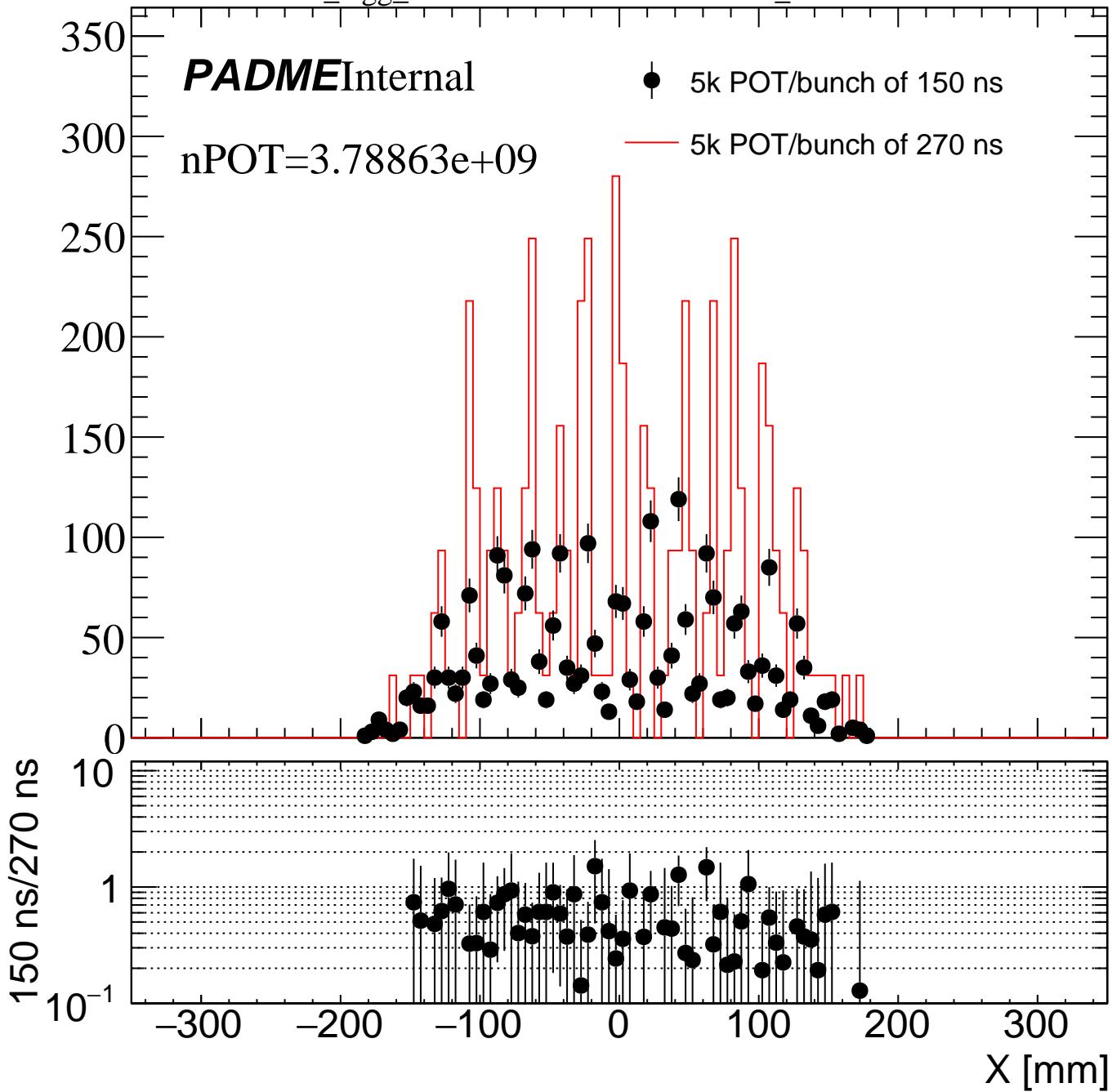




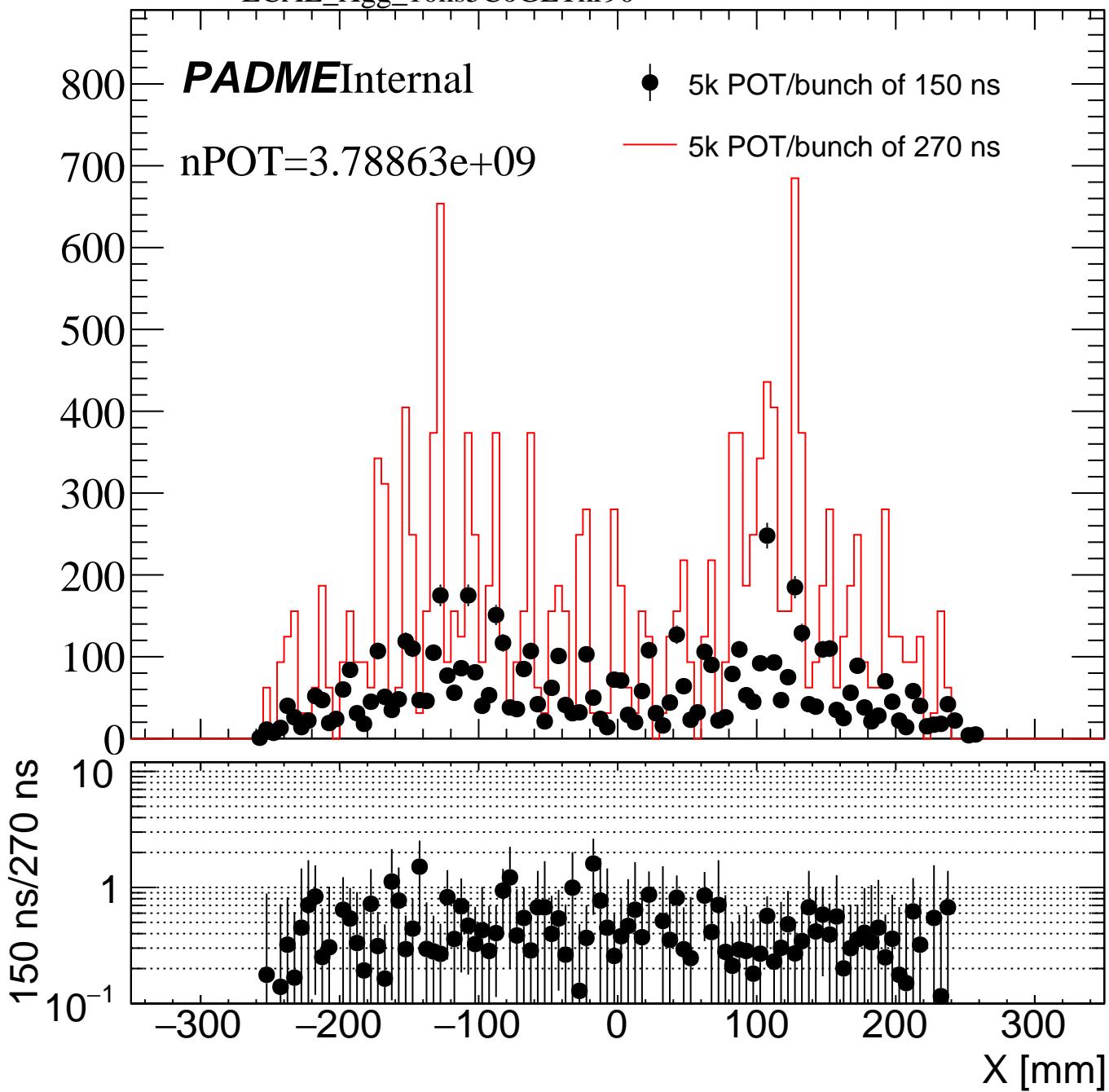
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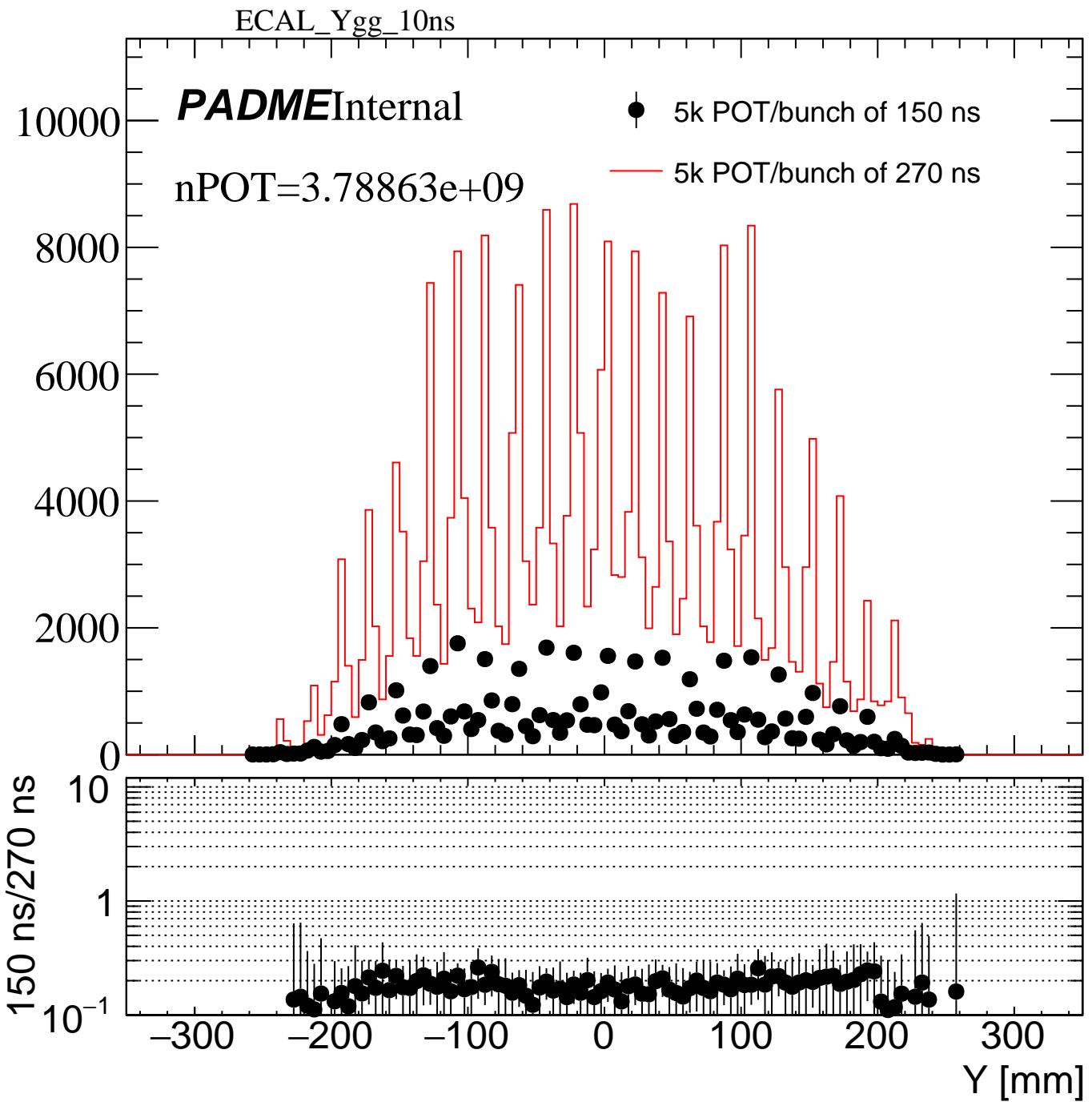


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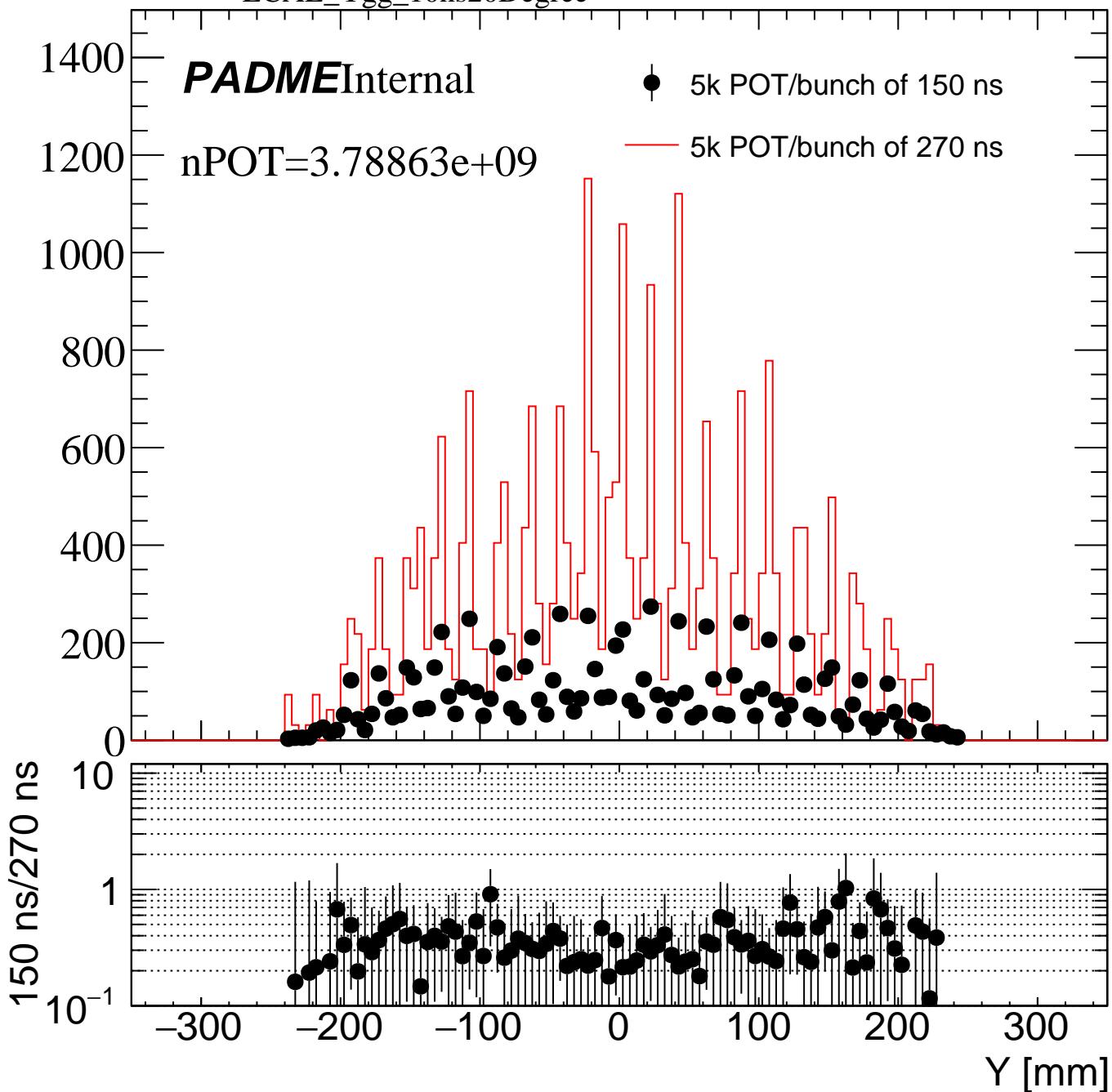


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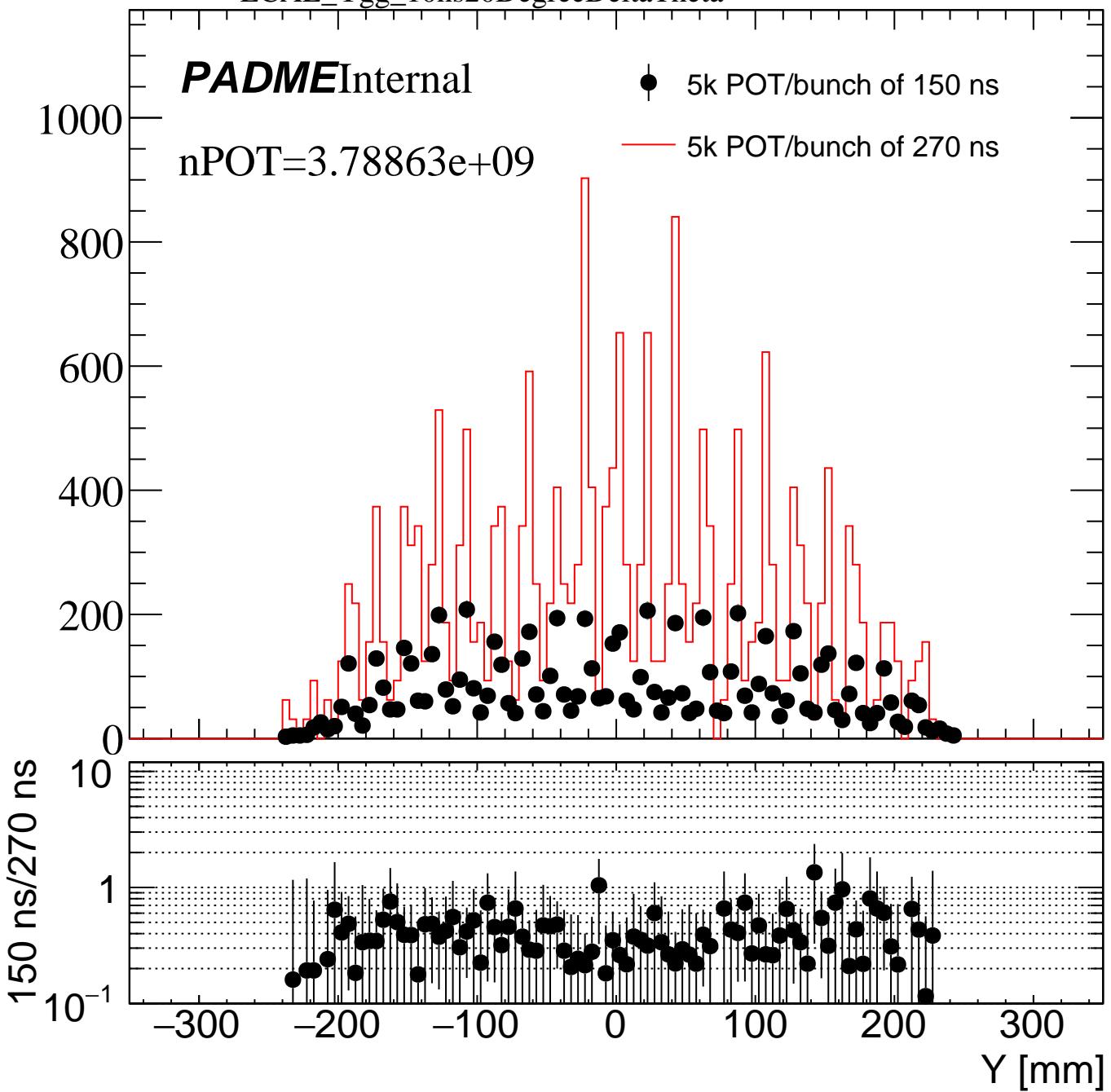




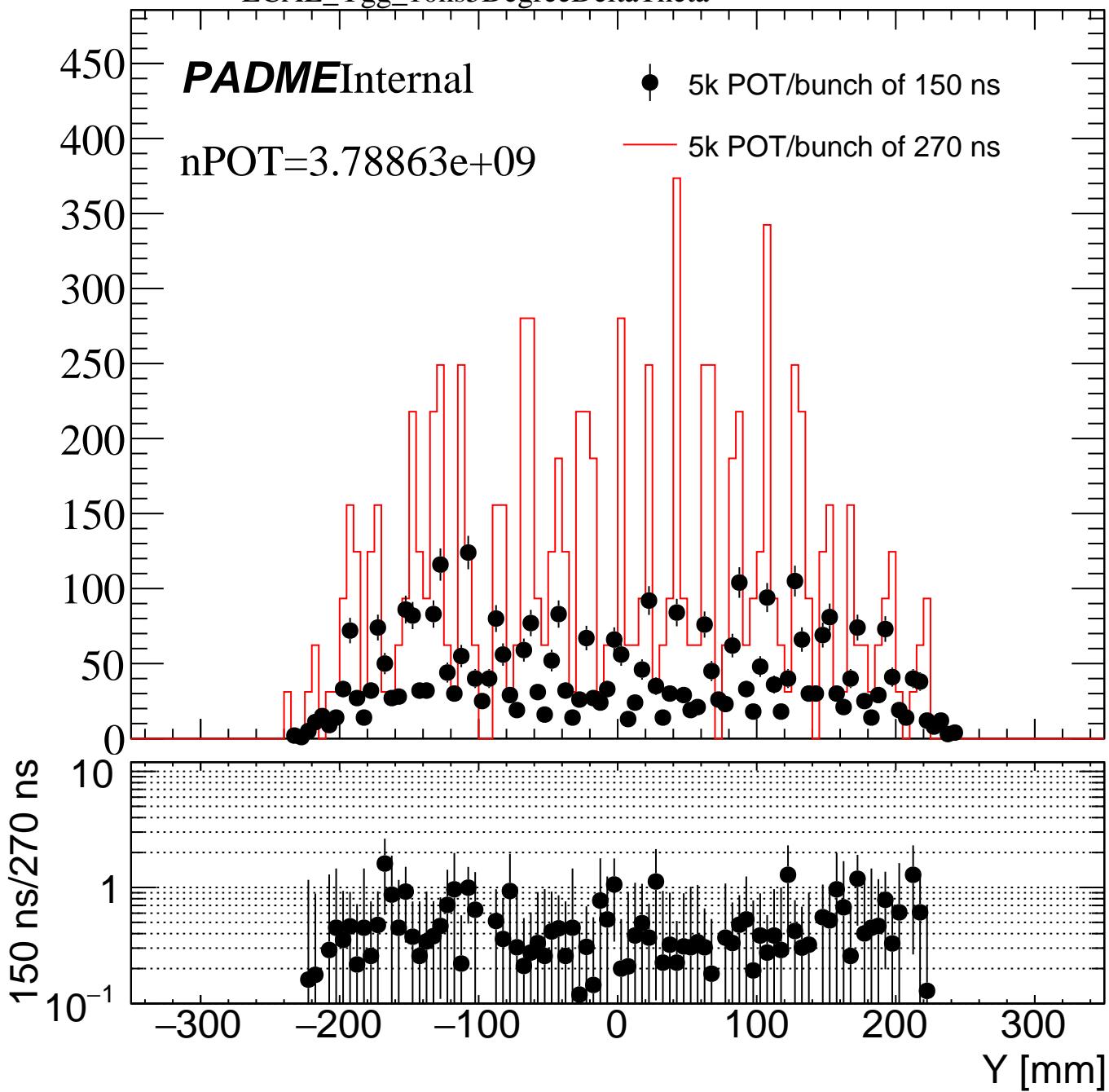
ECAL_Ygg_10ns20Degree



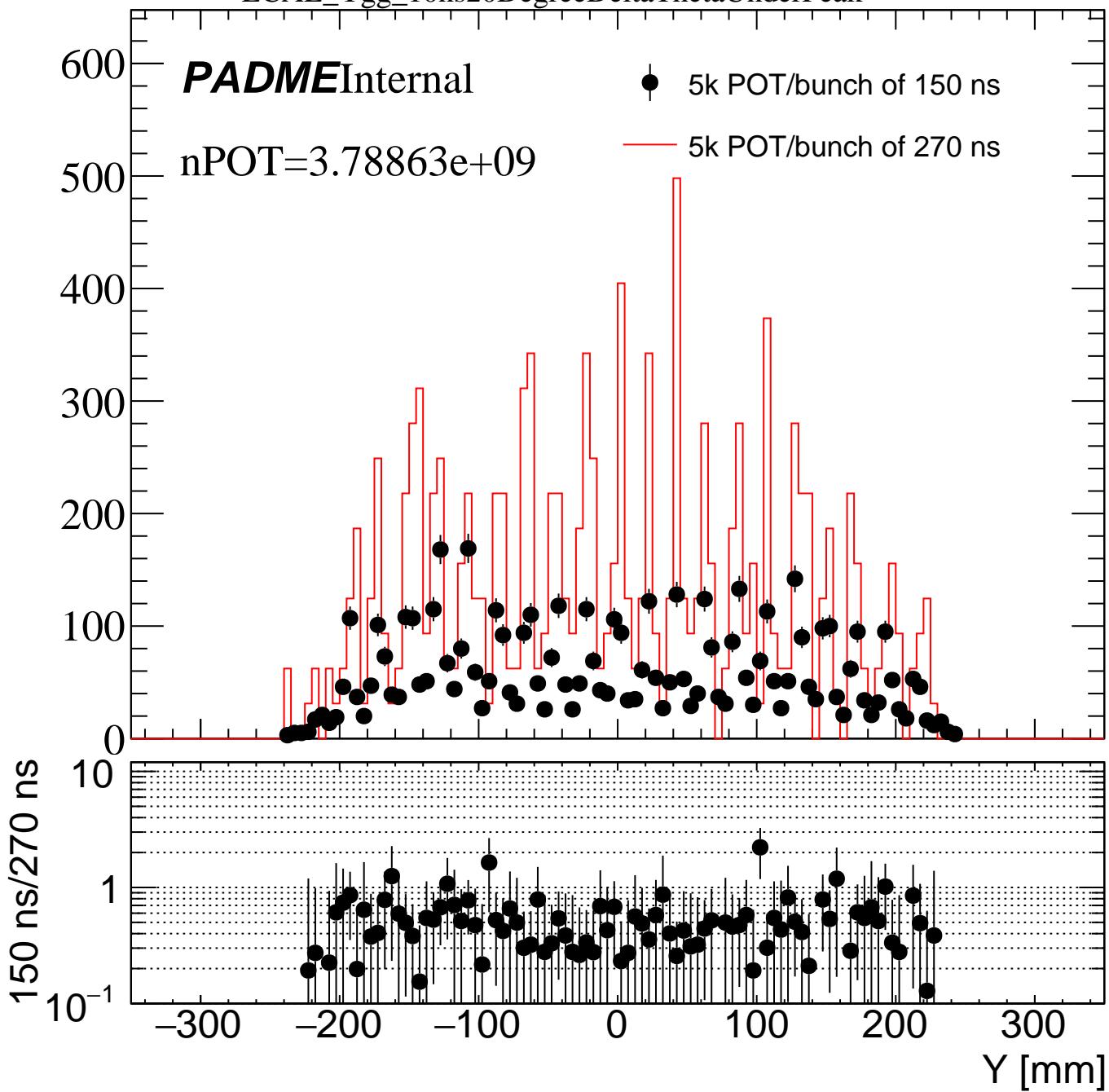
ECAL_Ygg_10ns20DegreeDeltaTheta



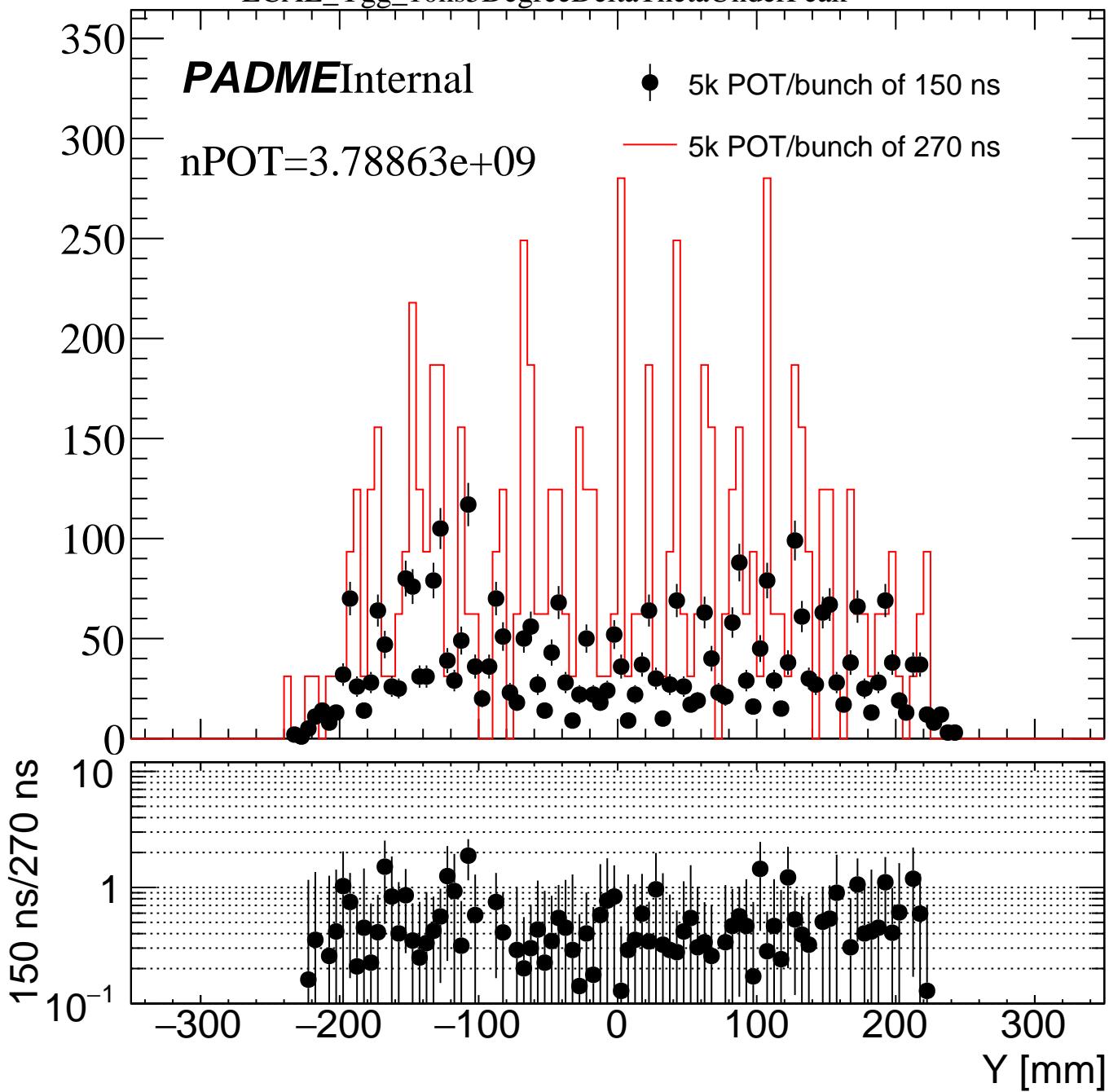
ECAL_Ygg_10ns5DegreeDeltaTheta



ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak



ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak



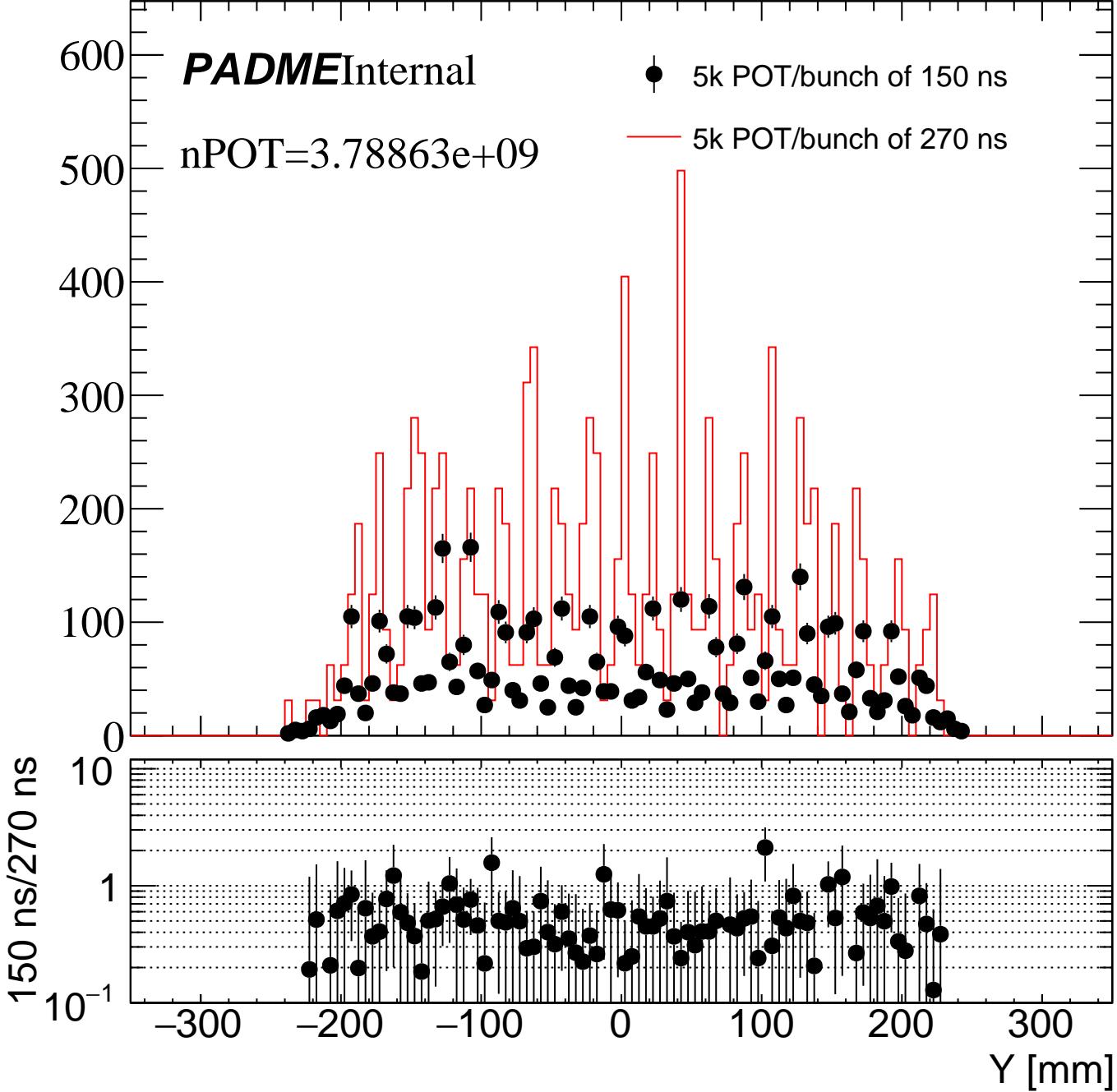
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

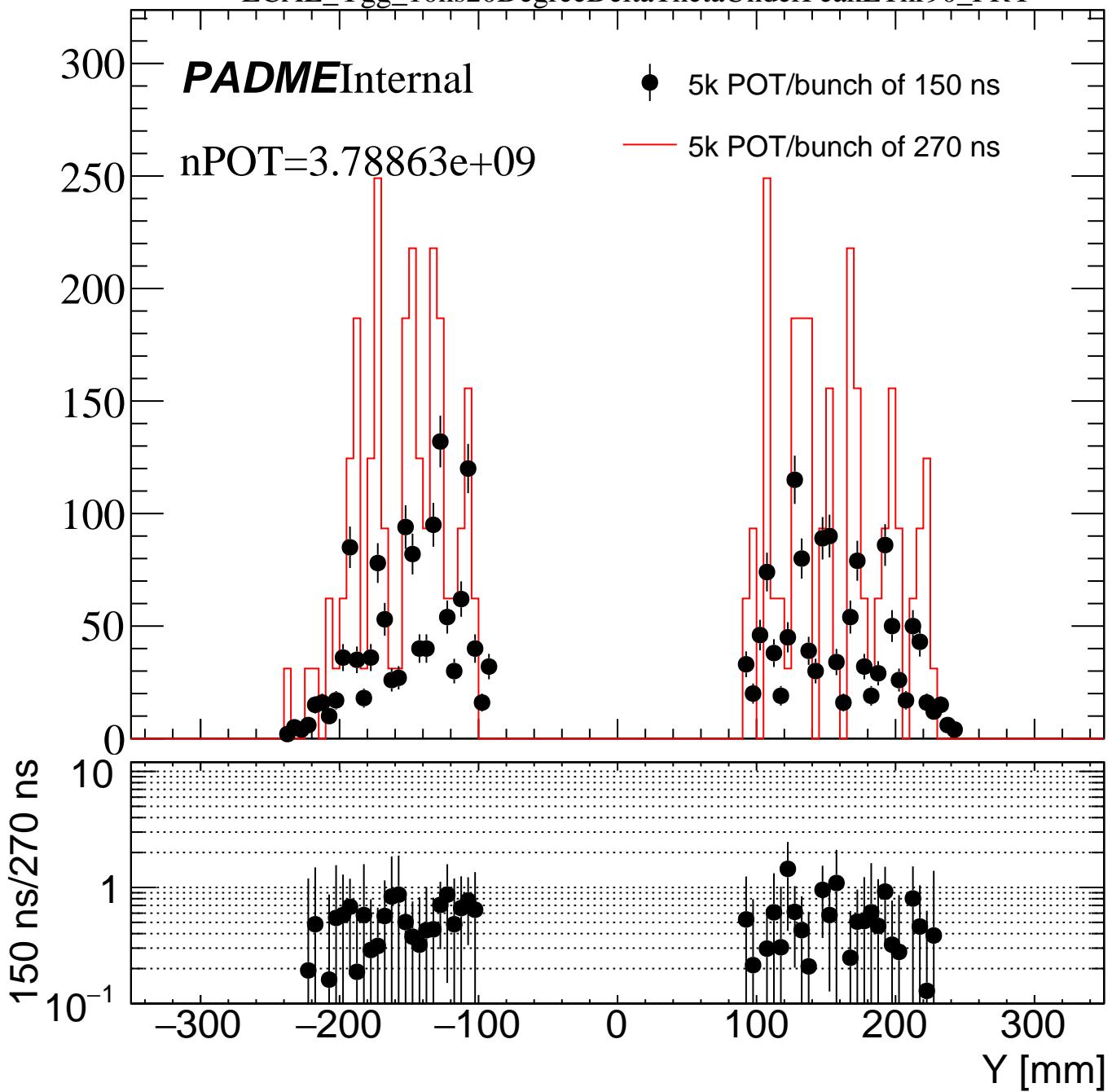
nPOT=3.78863e+09

- 5k POT/bunch of 150 ns

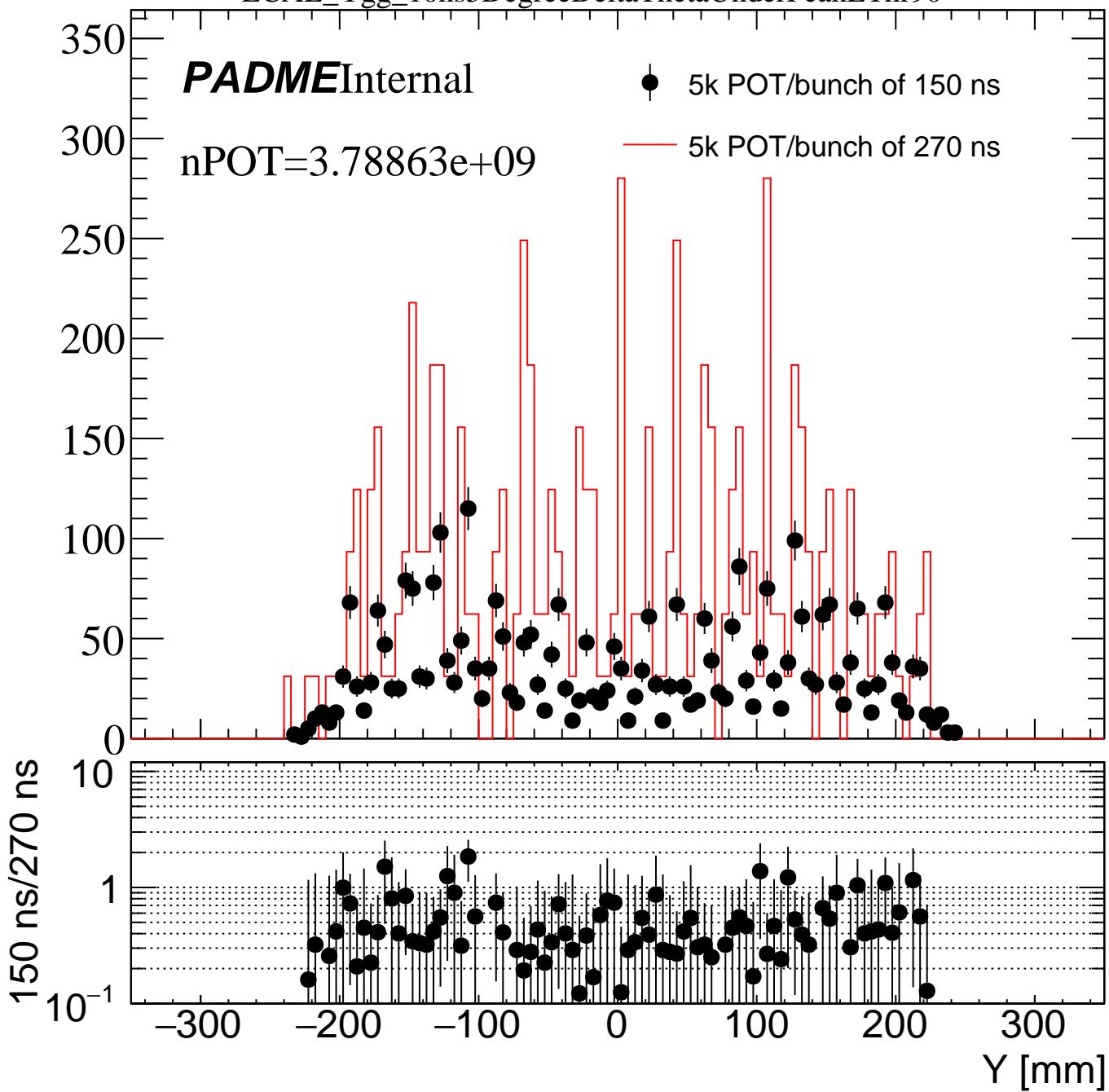
— 5k POT/bunch of 270 ns



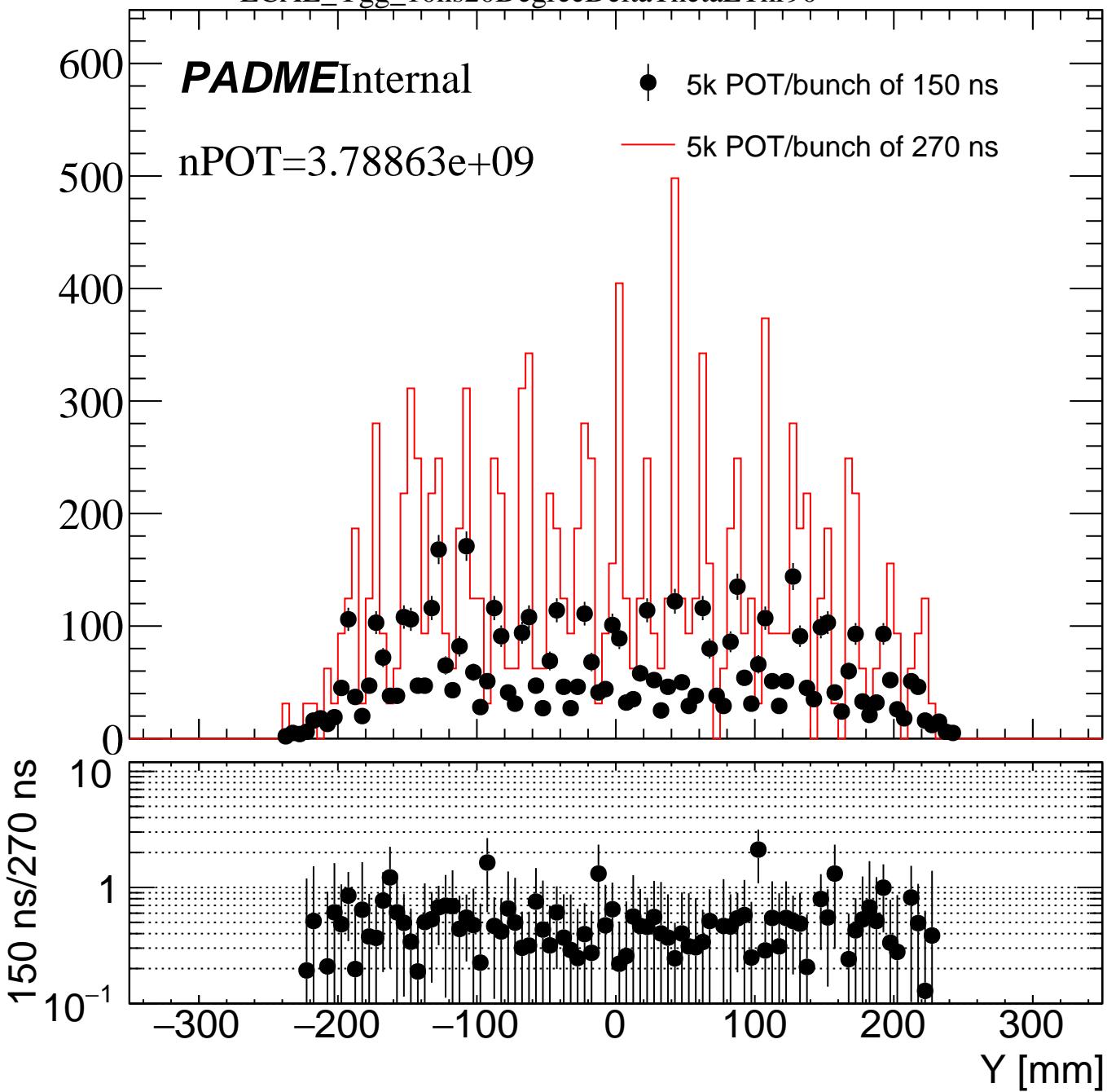
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY

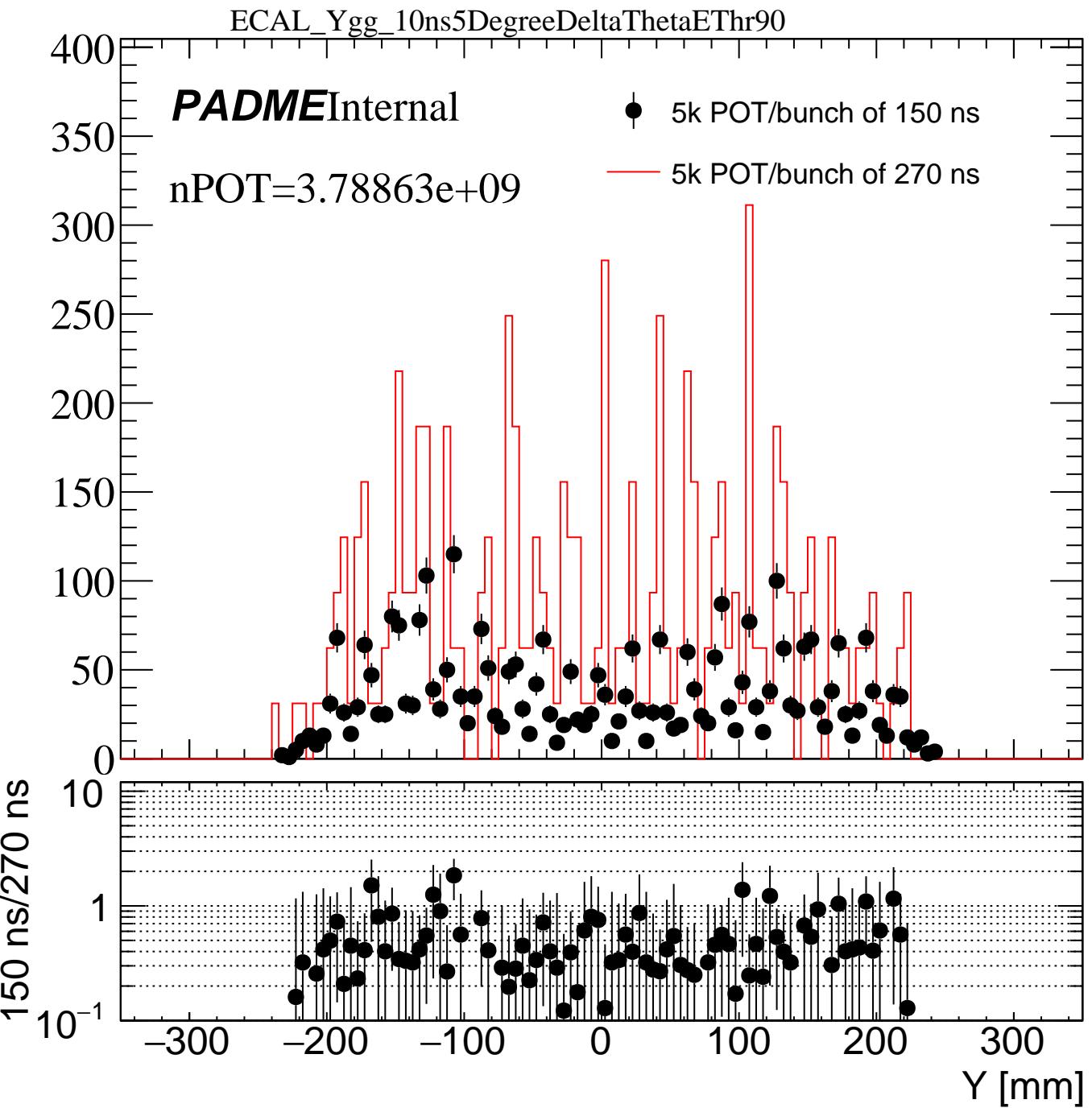


ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90

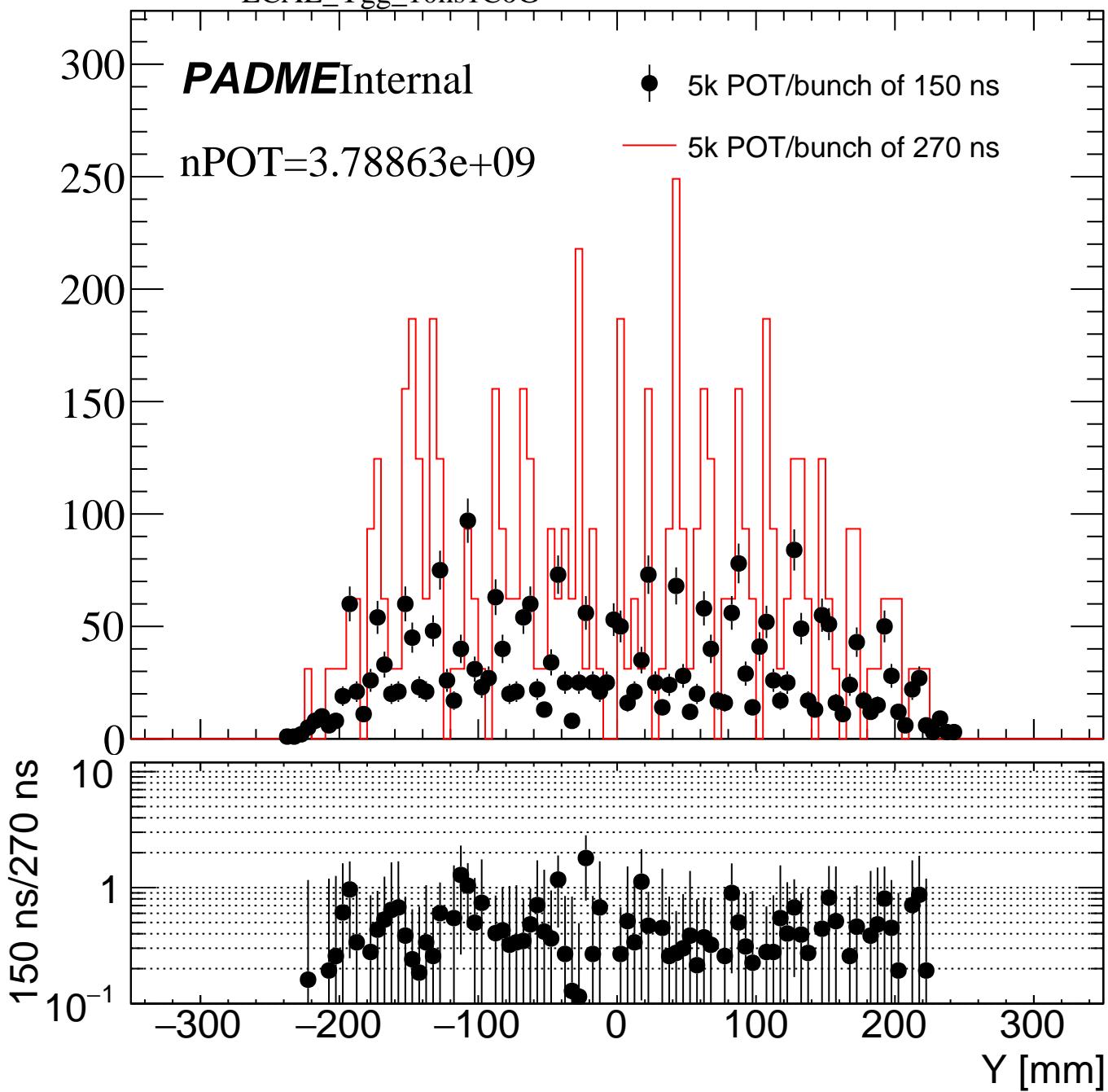


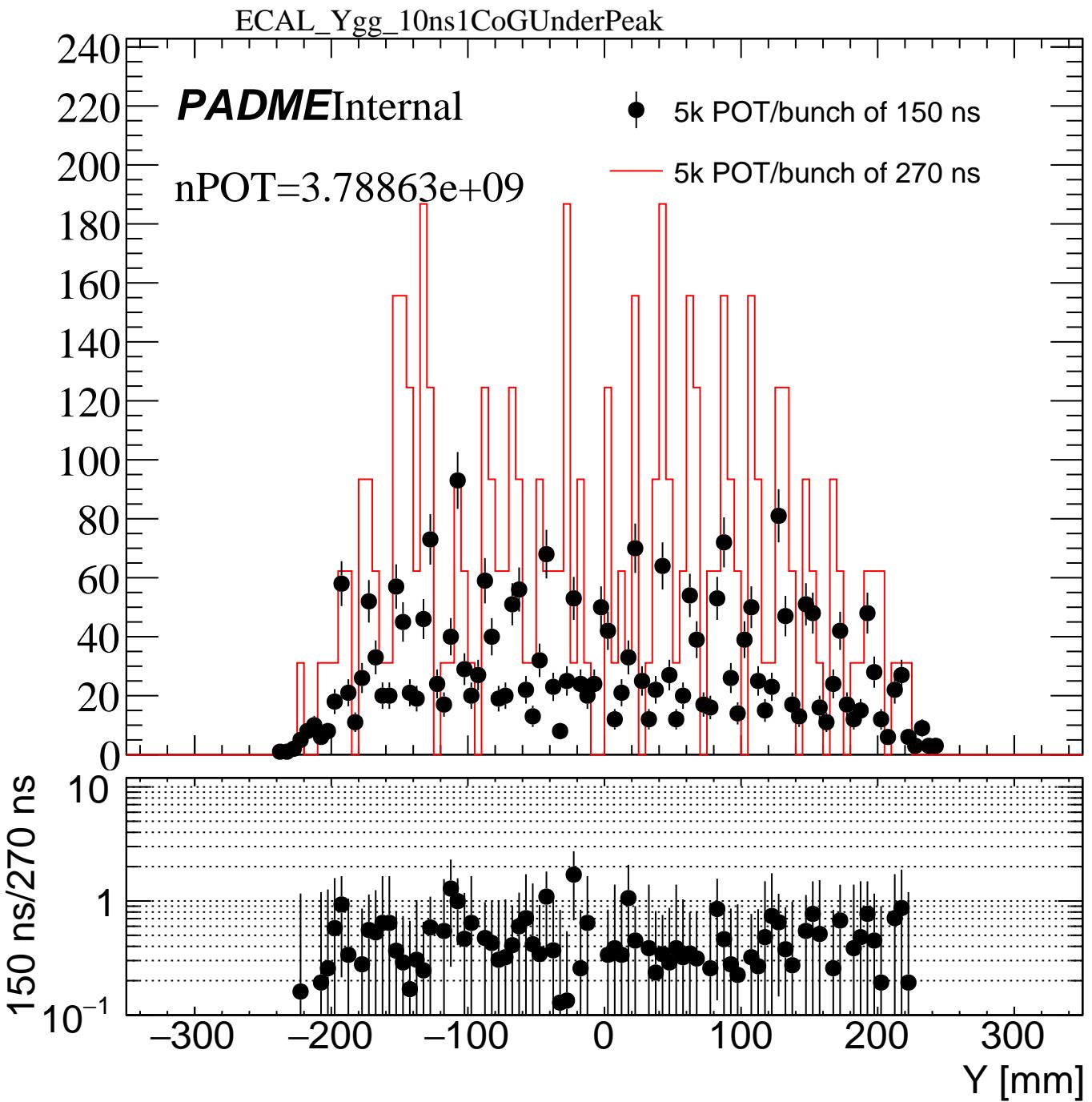
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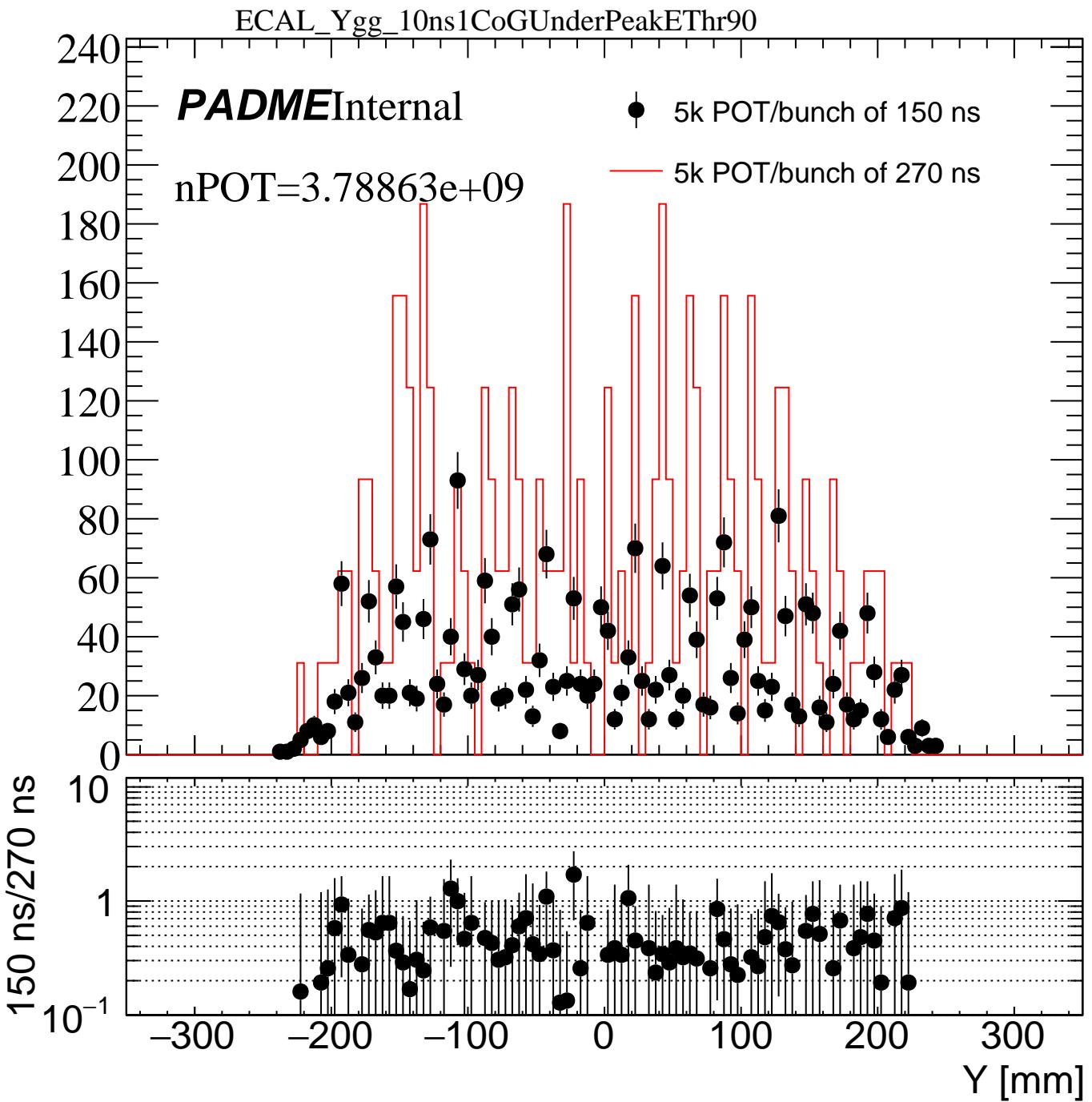


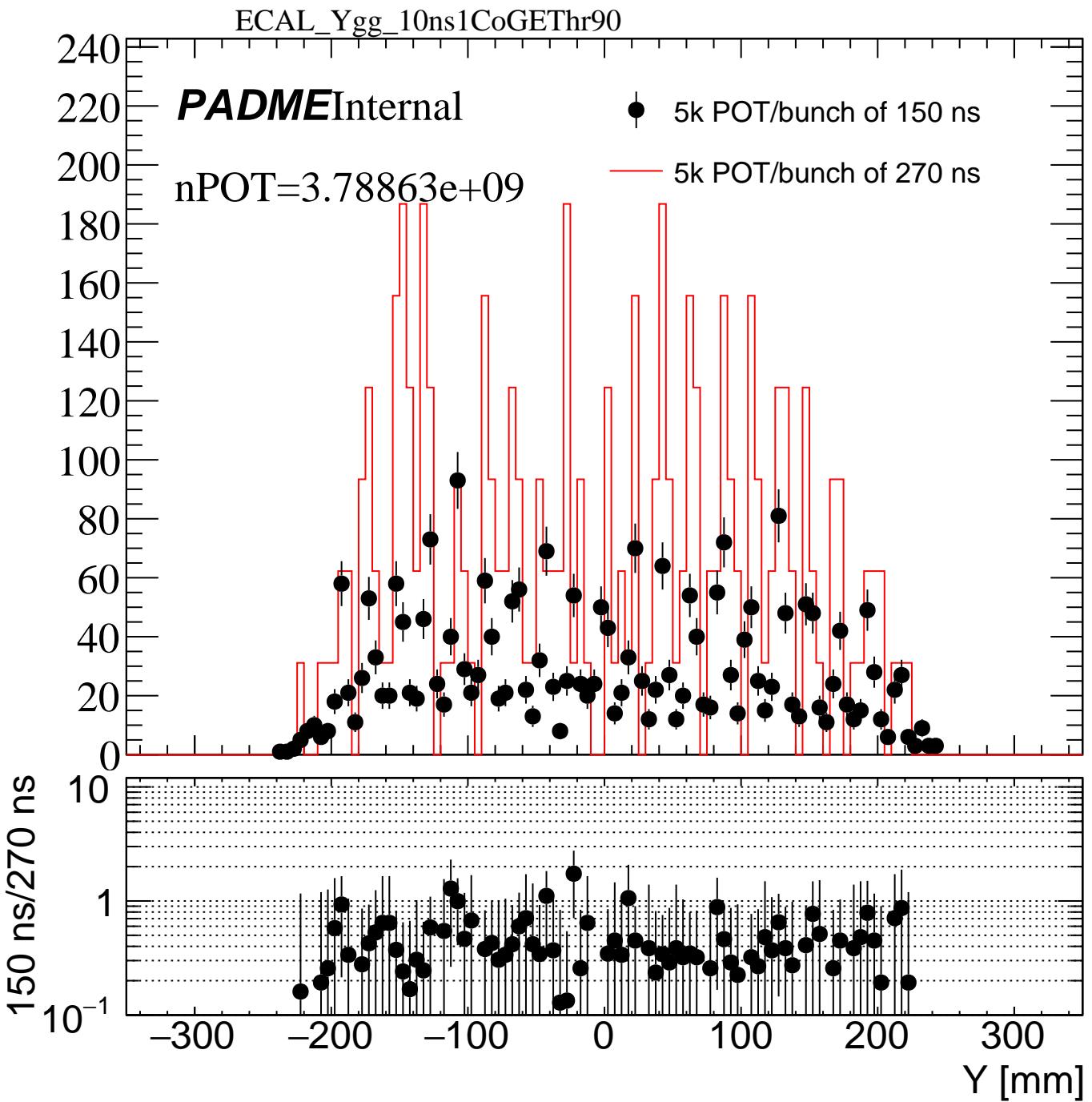


ECAL_Ygg_10ns1CoG

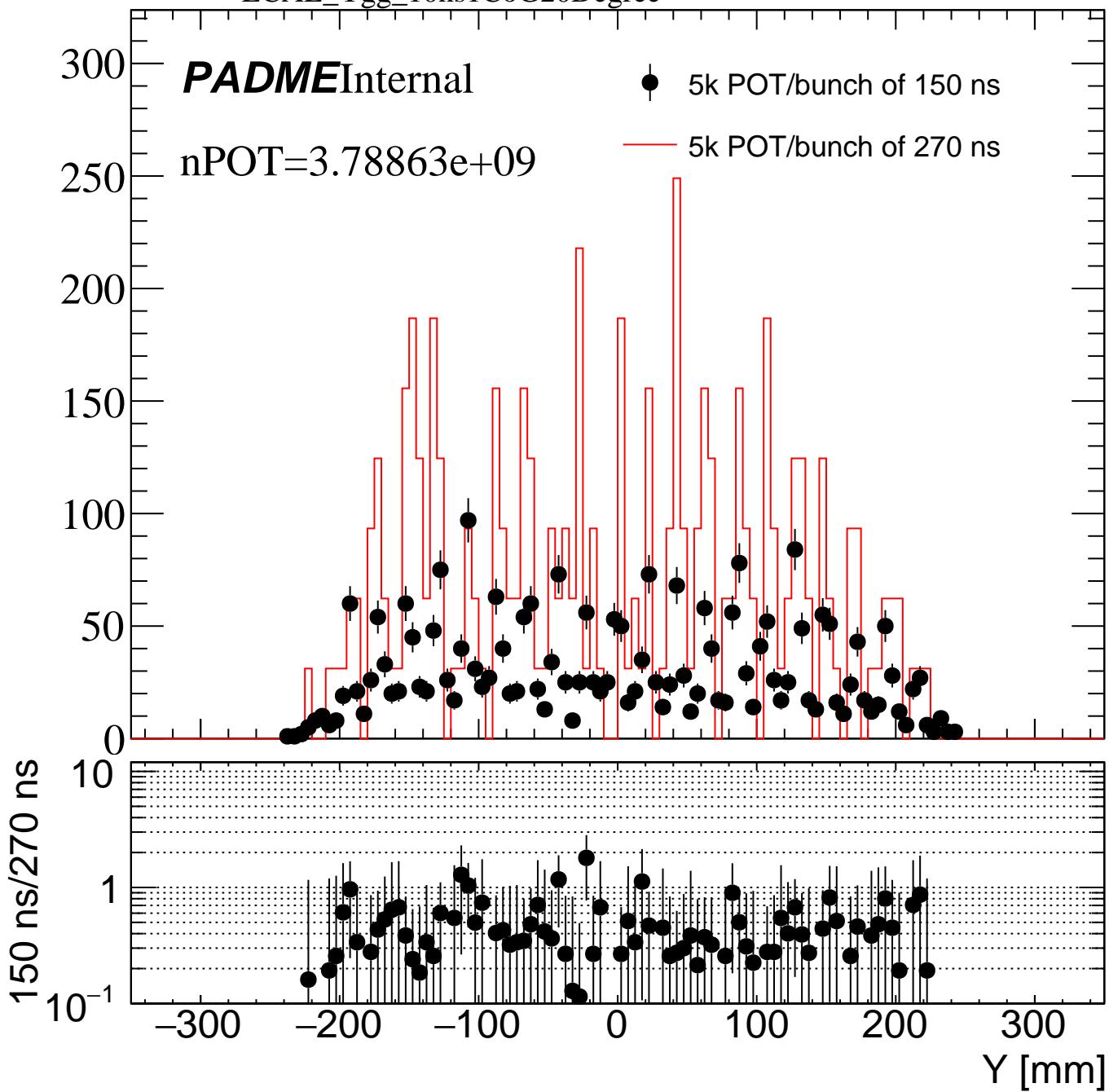




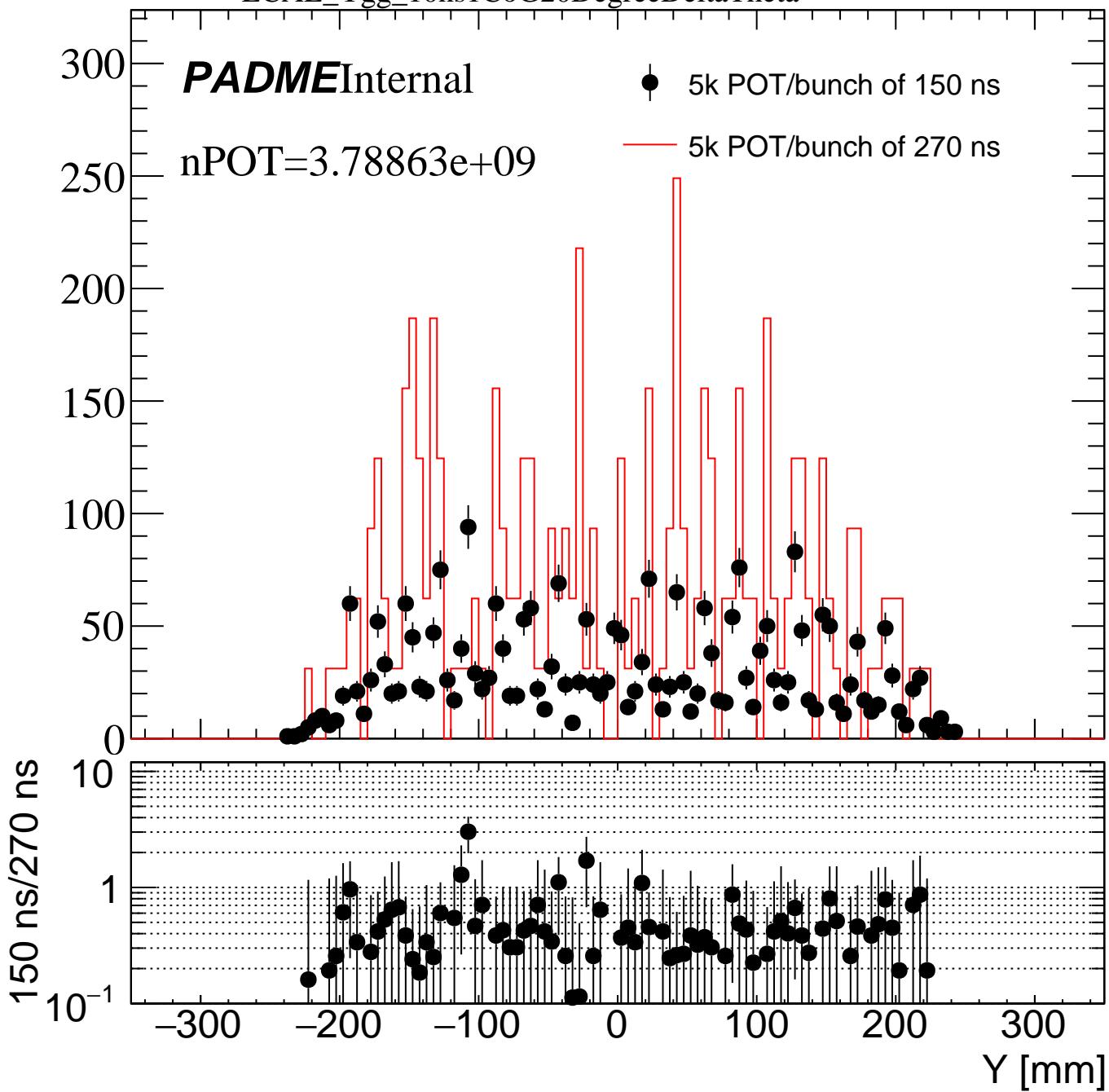




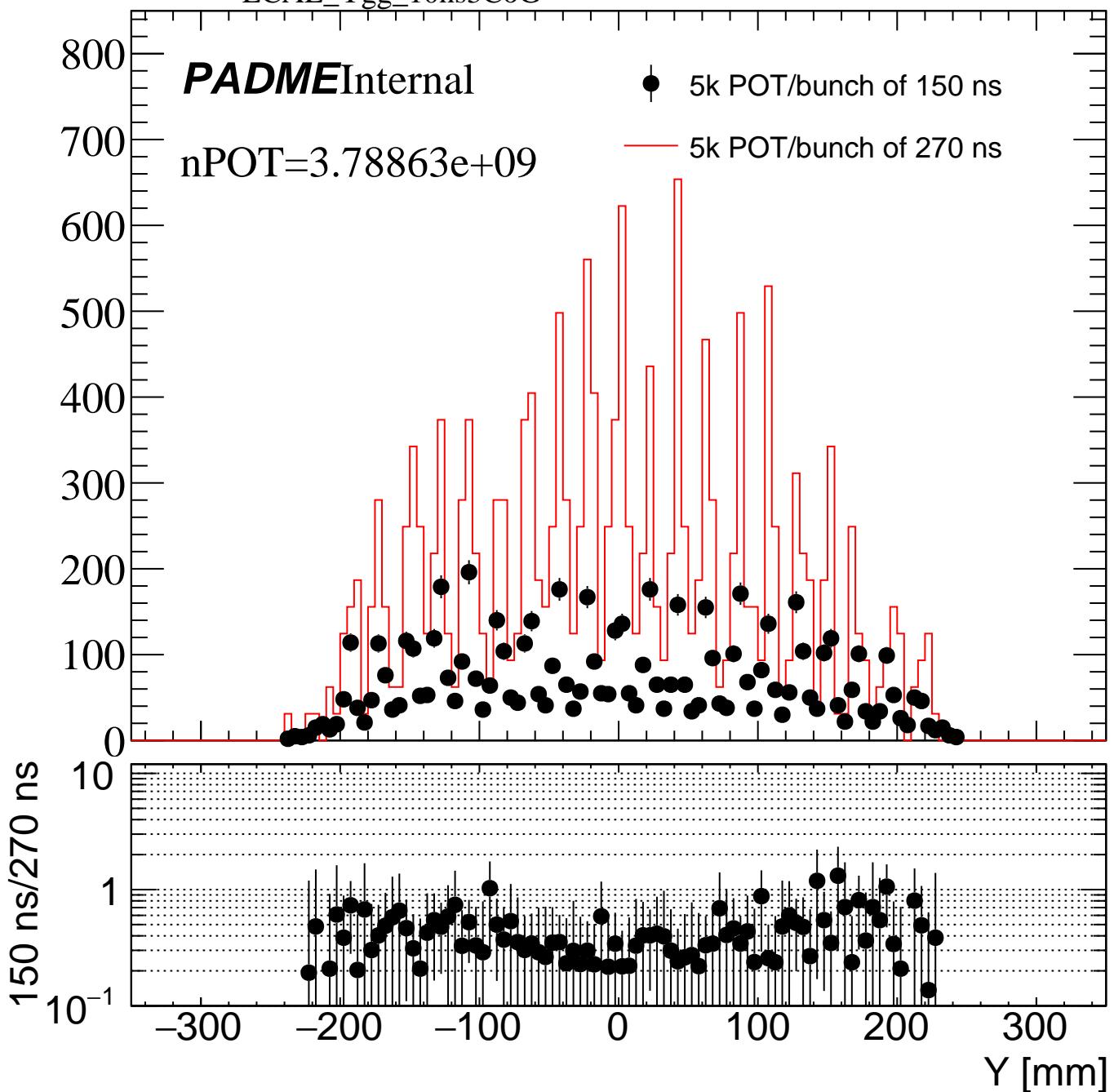
ECAL_Ygg_10ns1CoG20Degree



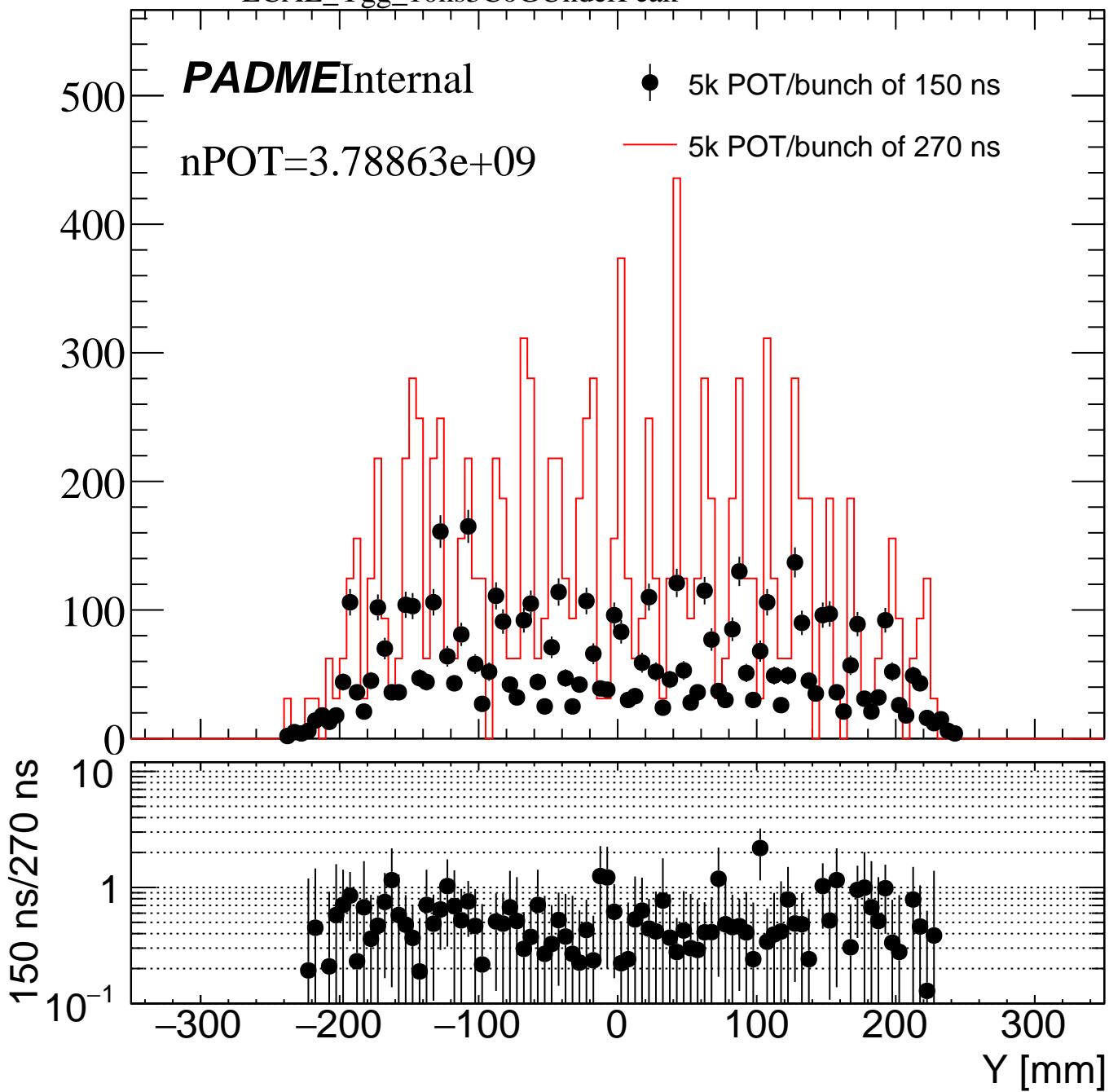
ECAL_Ygg_10ns1CoG20DegreeDeltaTheta



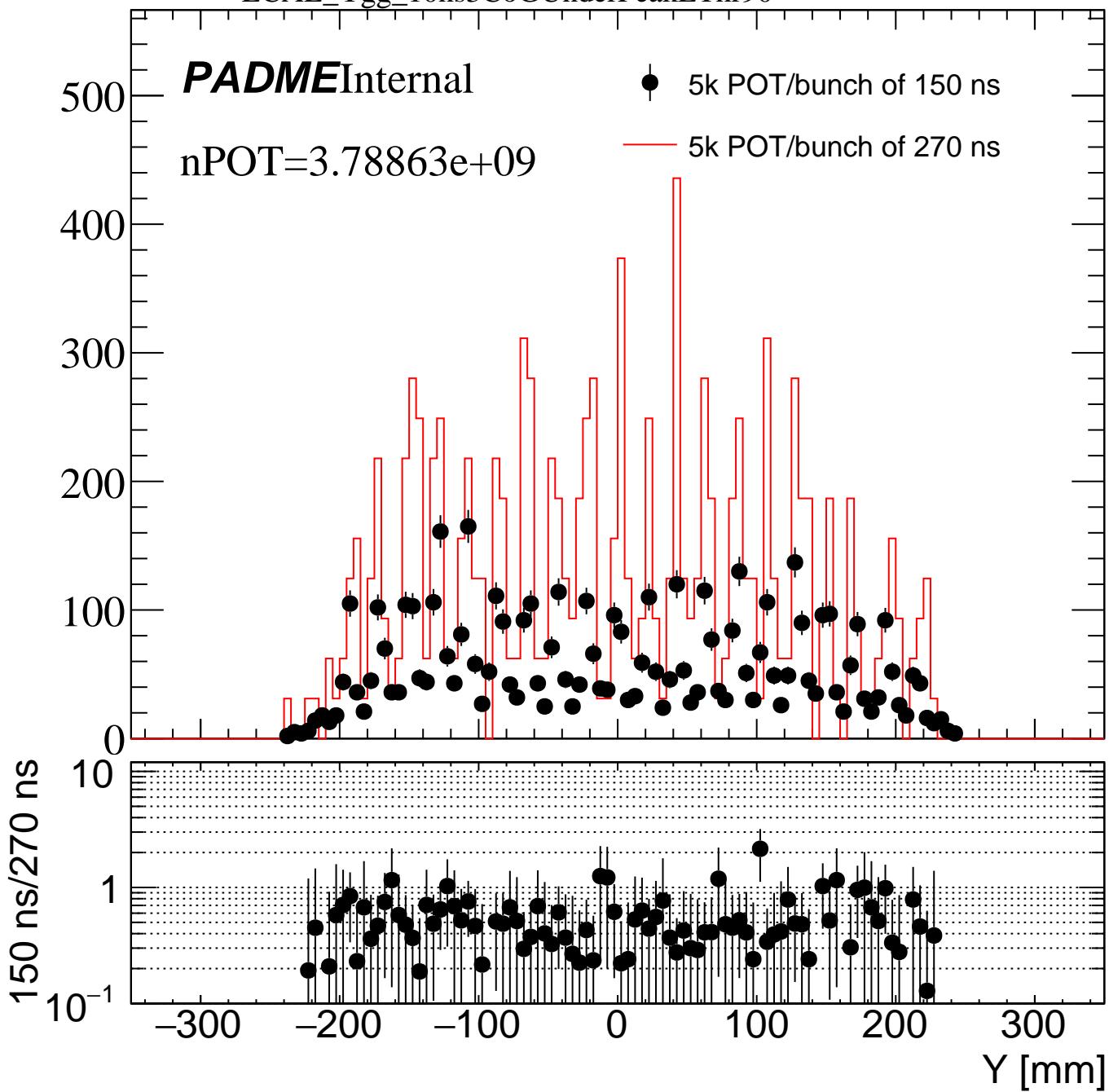
ECAL_Ygg_10ns3CoG



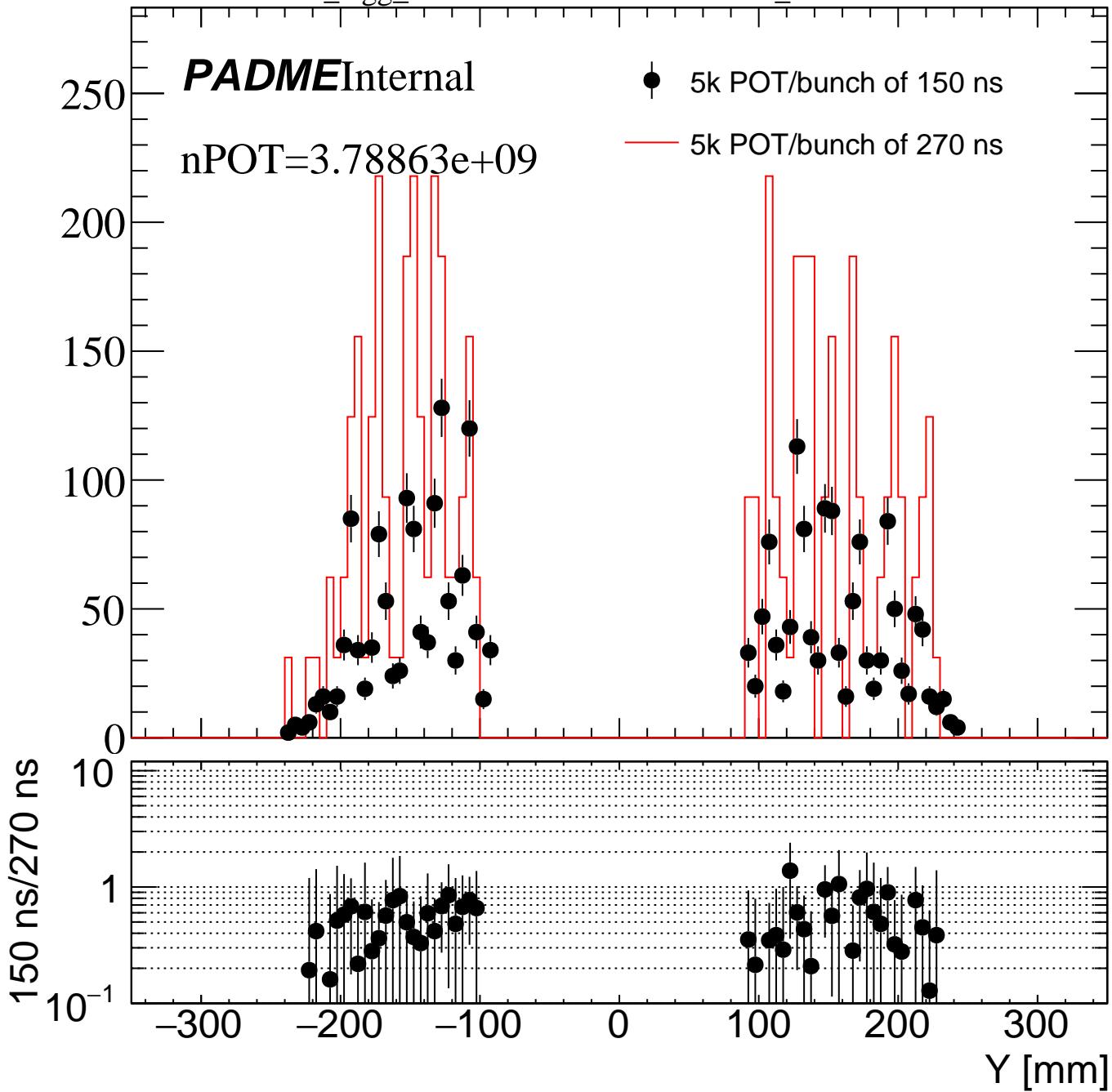
ECAL_Ygg_10ns3CoGUnderPeak

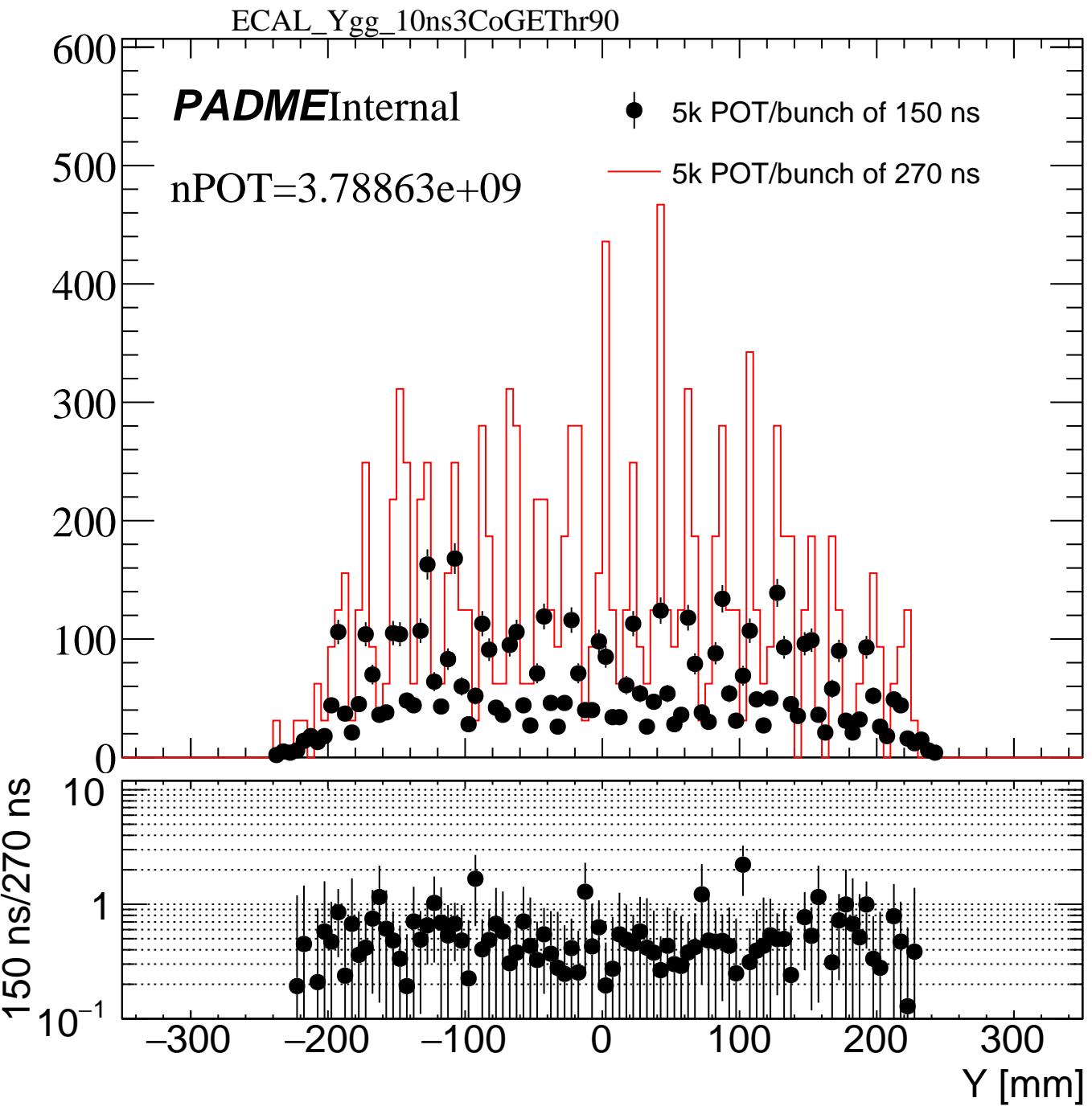


ECAL_Ygg_10ns3CoGUnderPeakETHr90

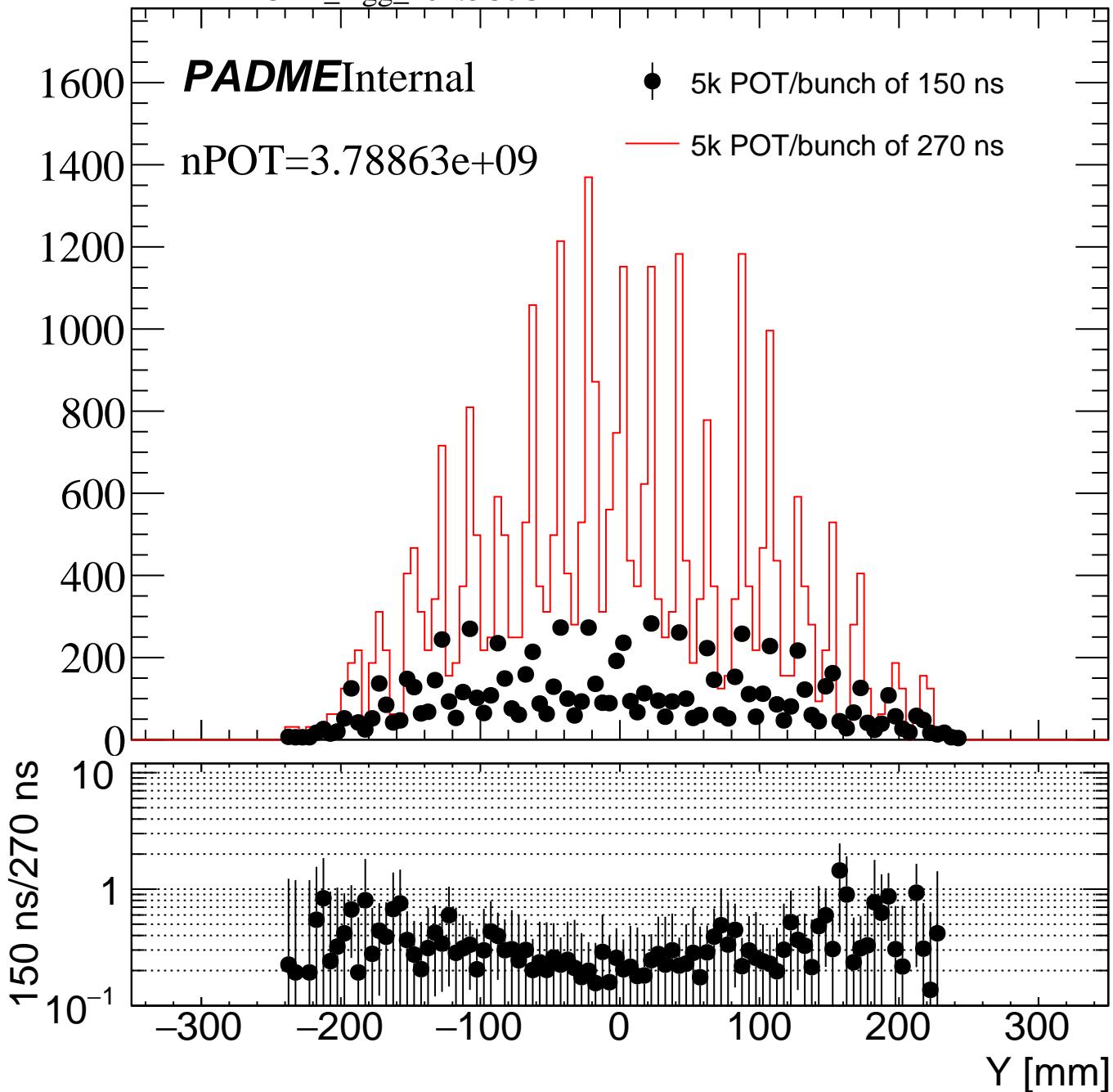


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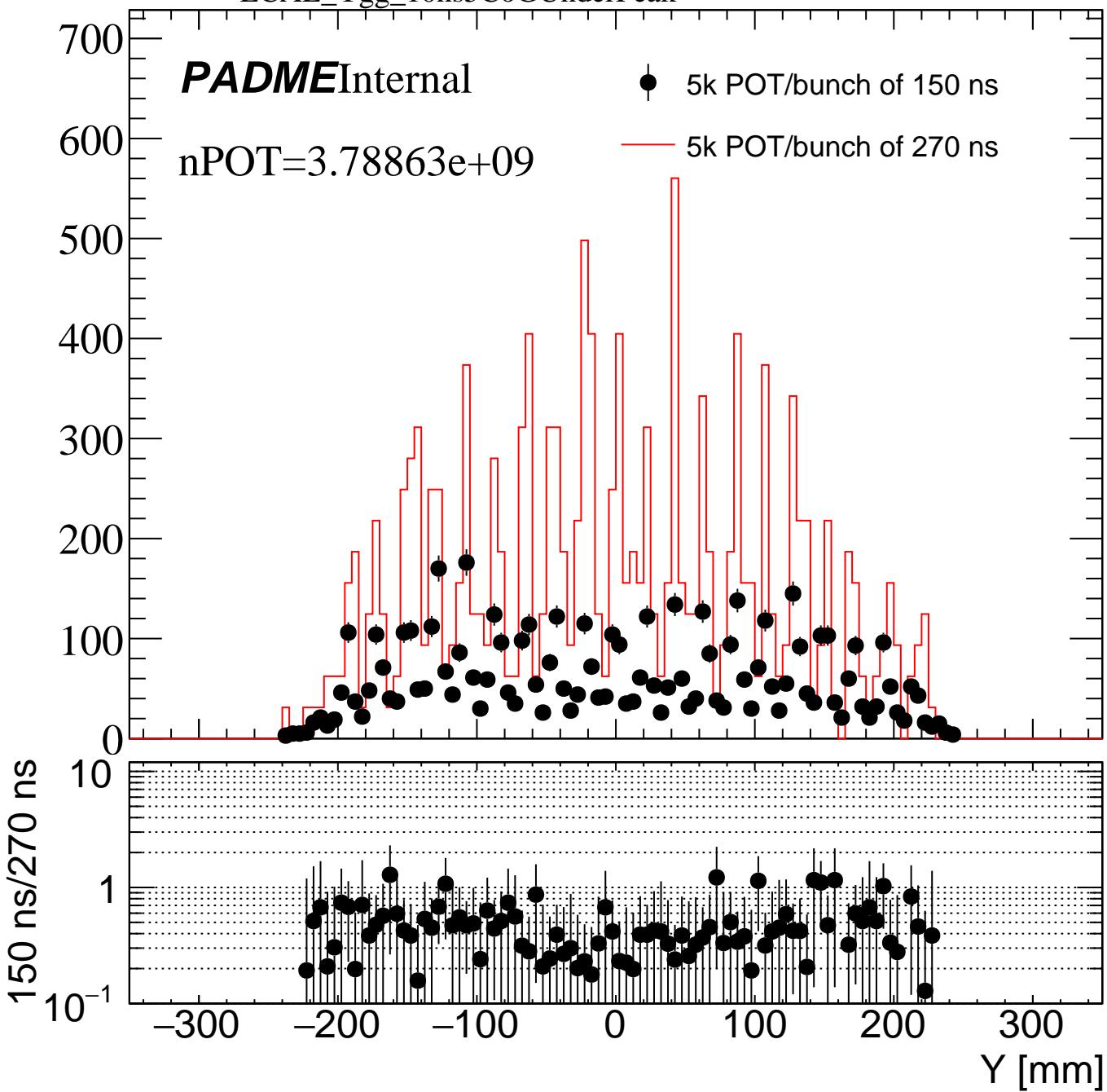




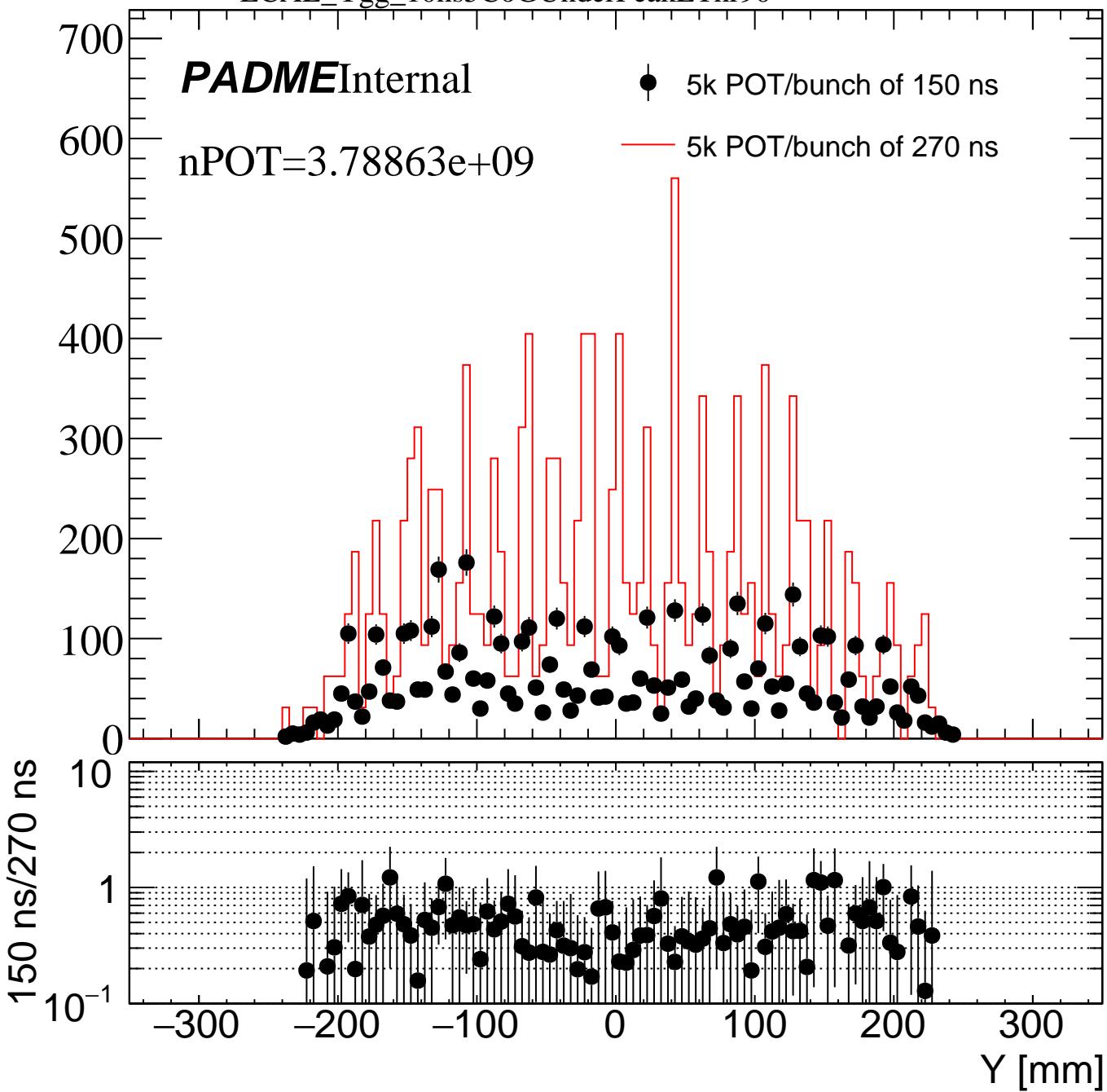
ECAL_Ygg_10ns5CoG



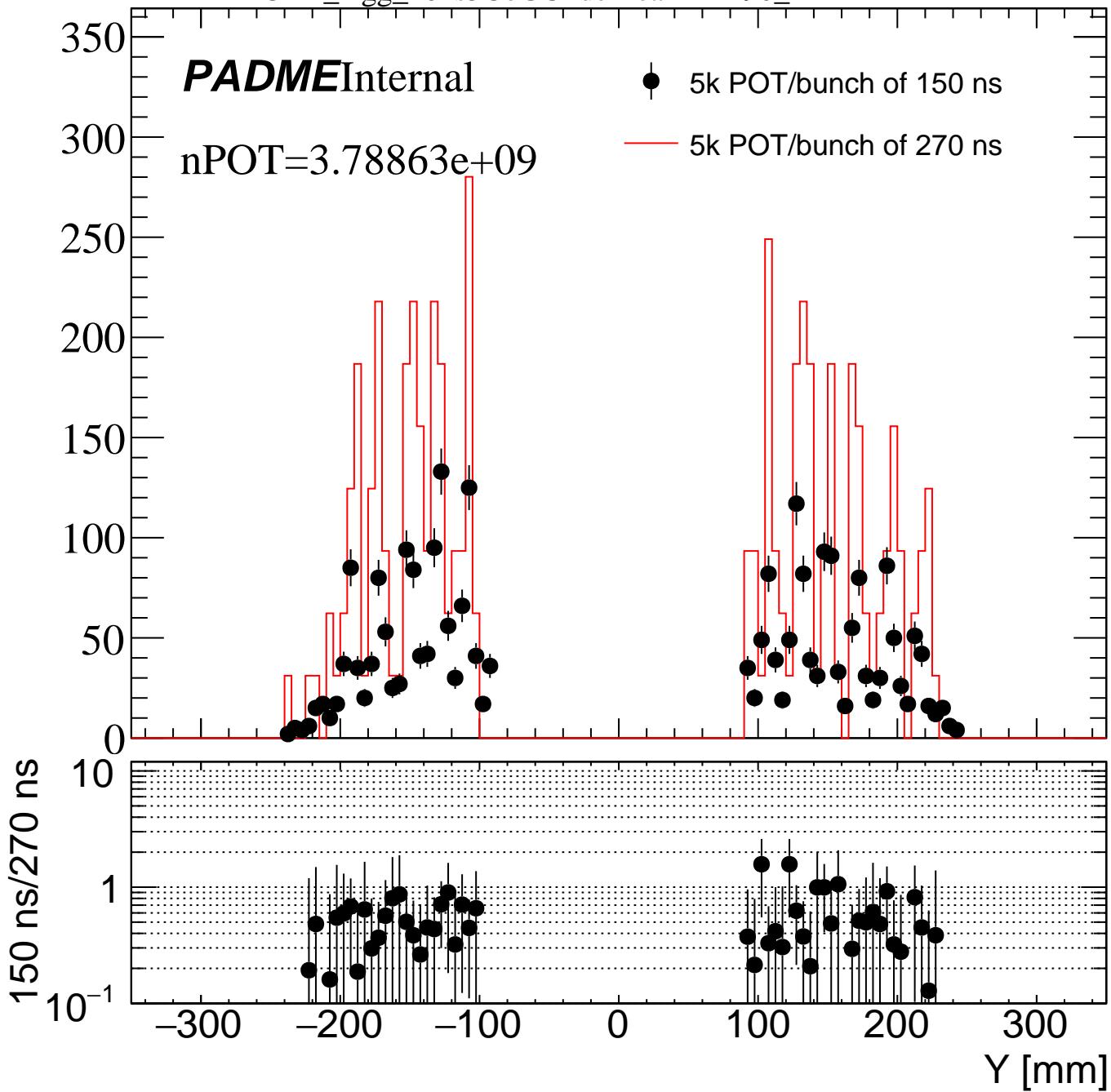
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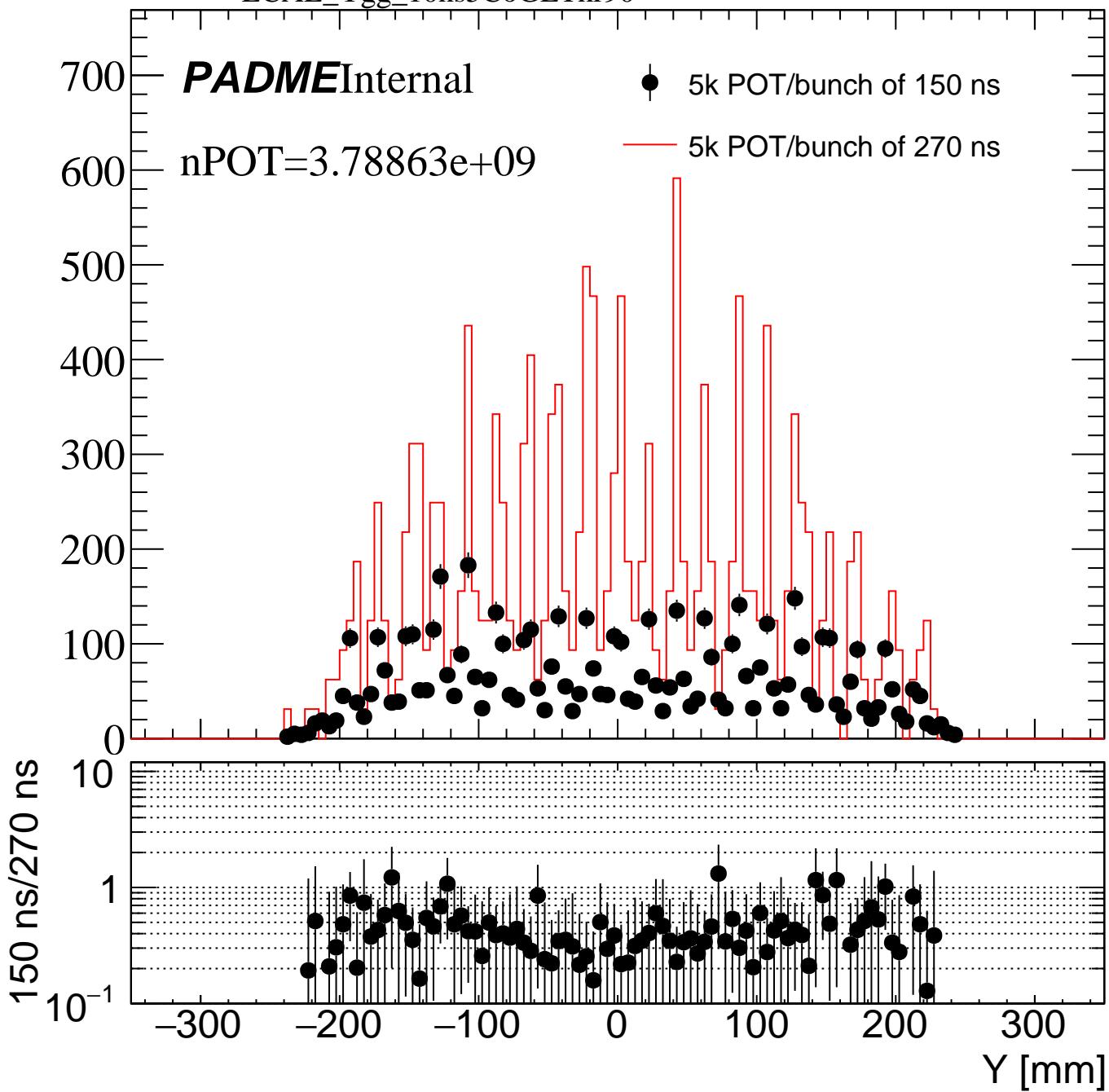
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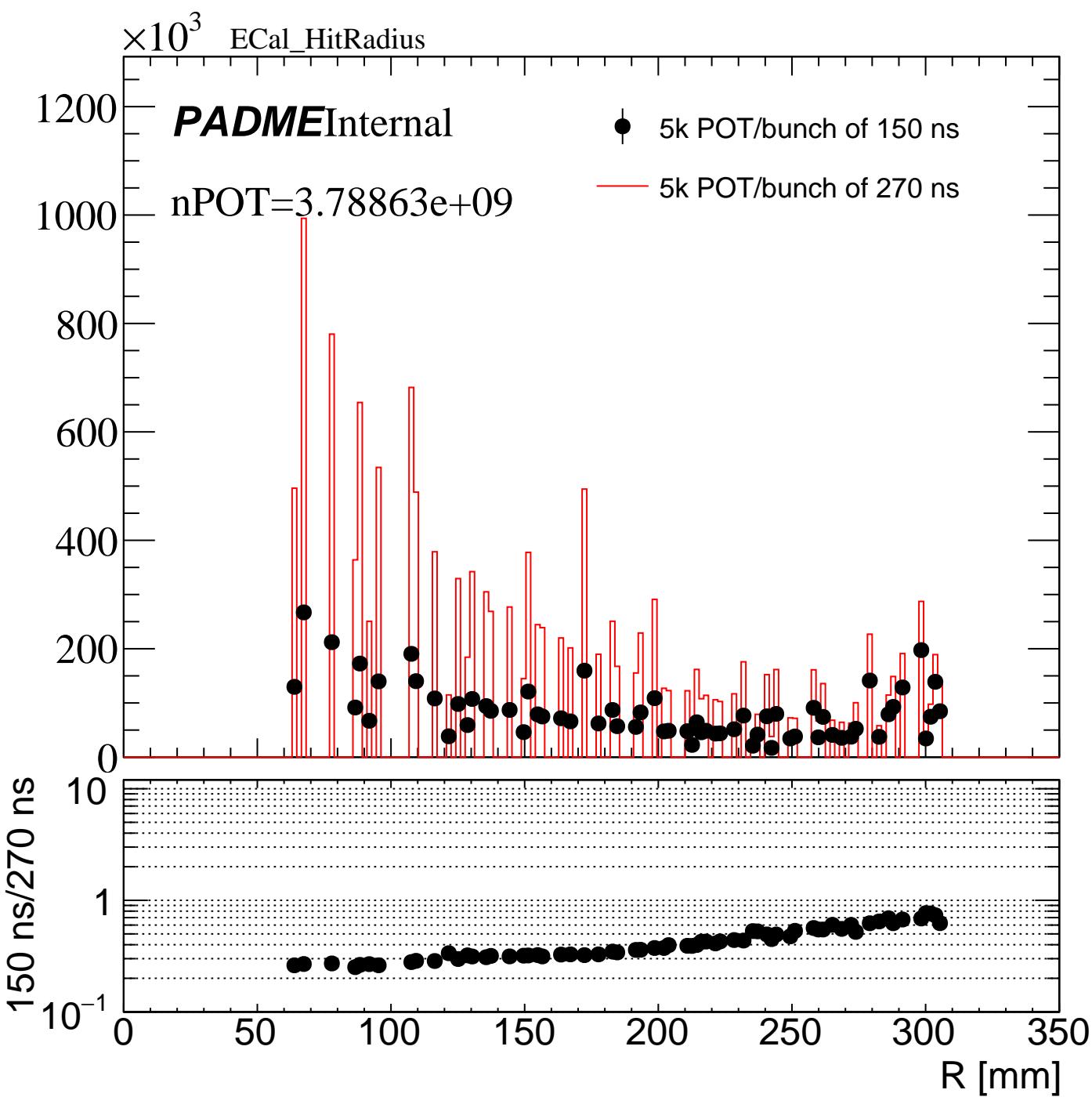


ECAL_Ygg_10ns5CoGUnderPeakEThr90_FRY



ECAL_Ygg_10ns5CoGEThr90



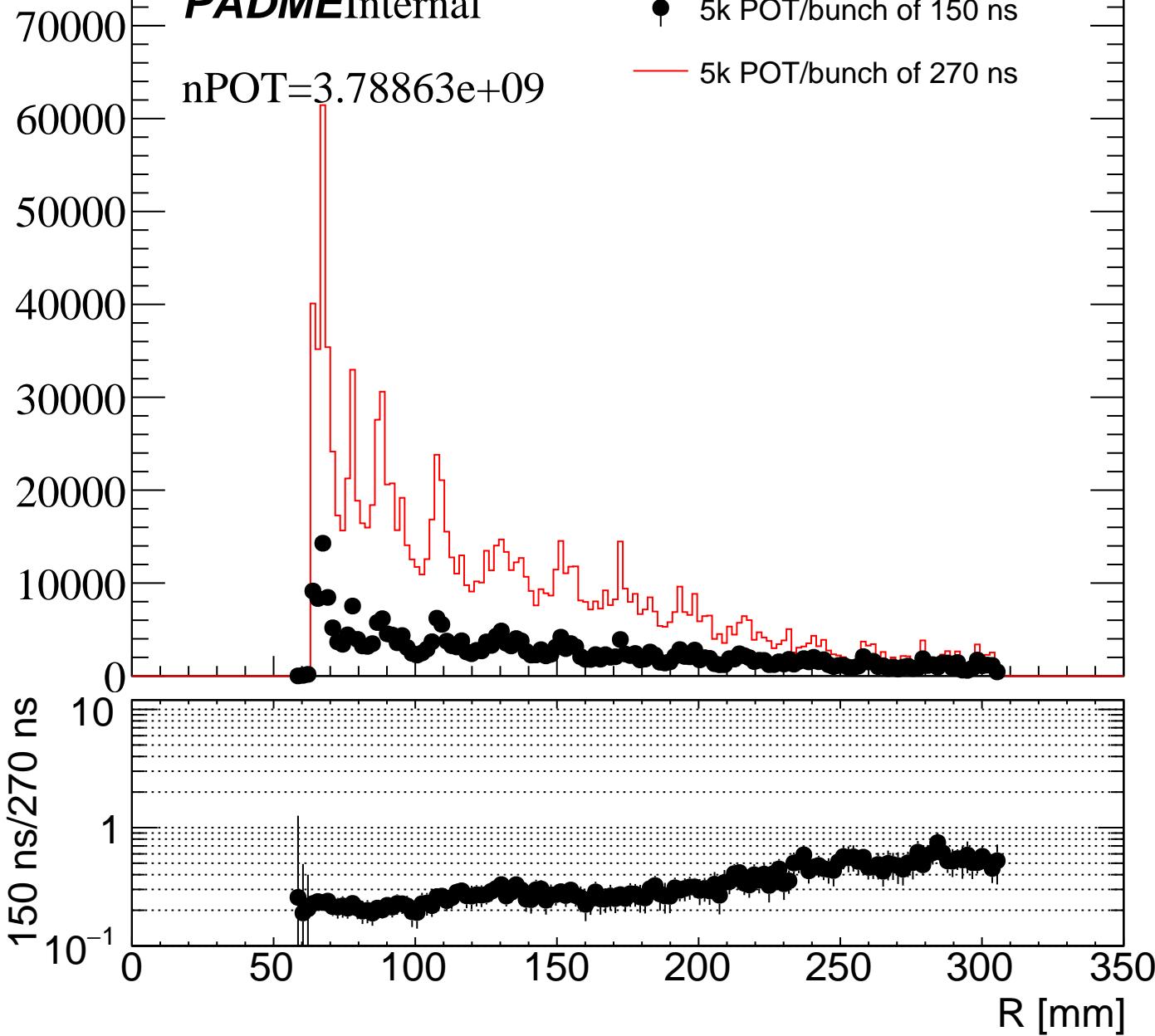


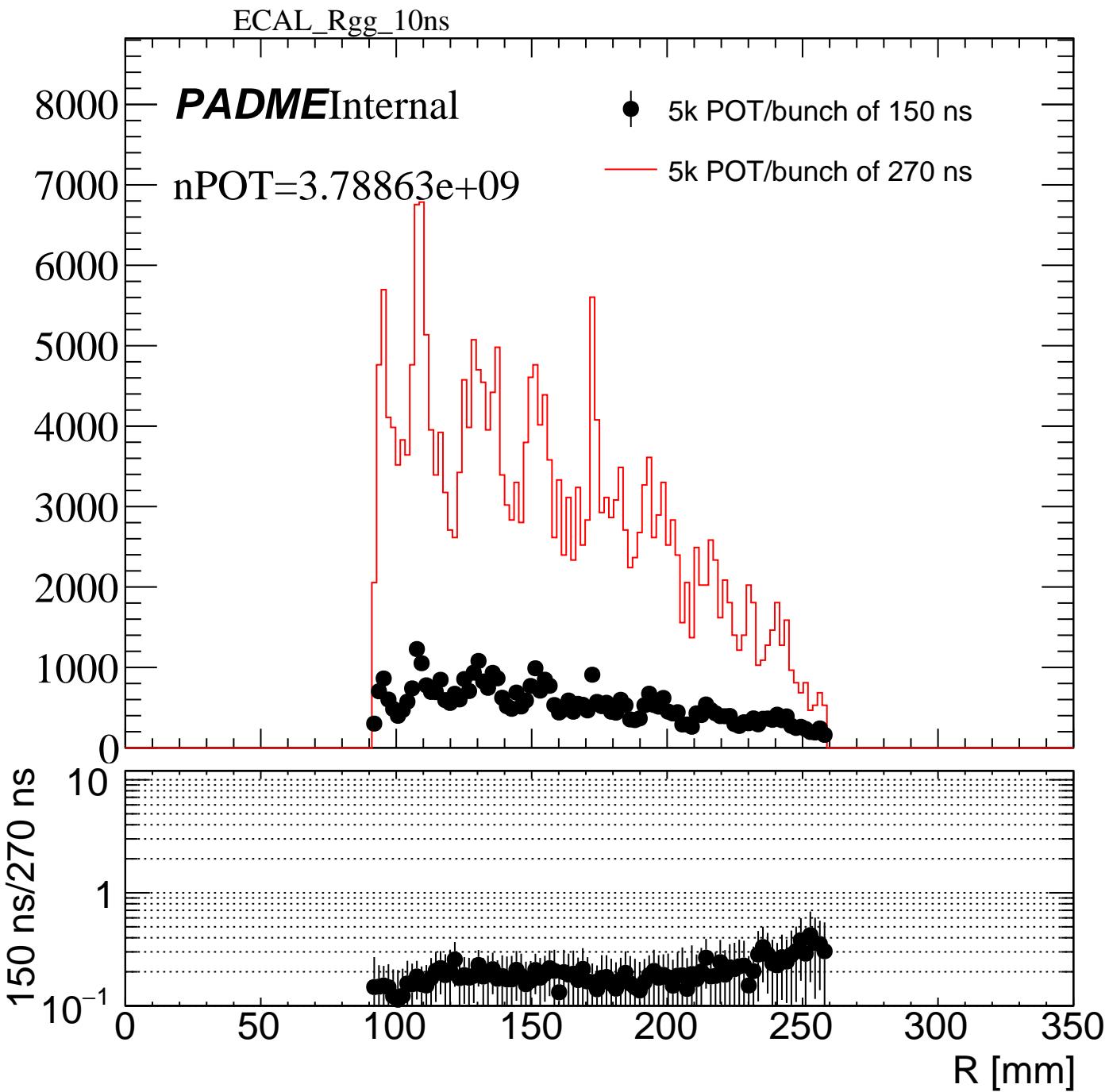
ECAL_RggAllClusters

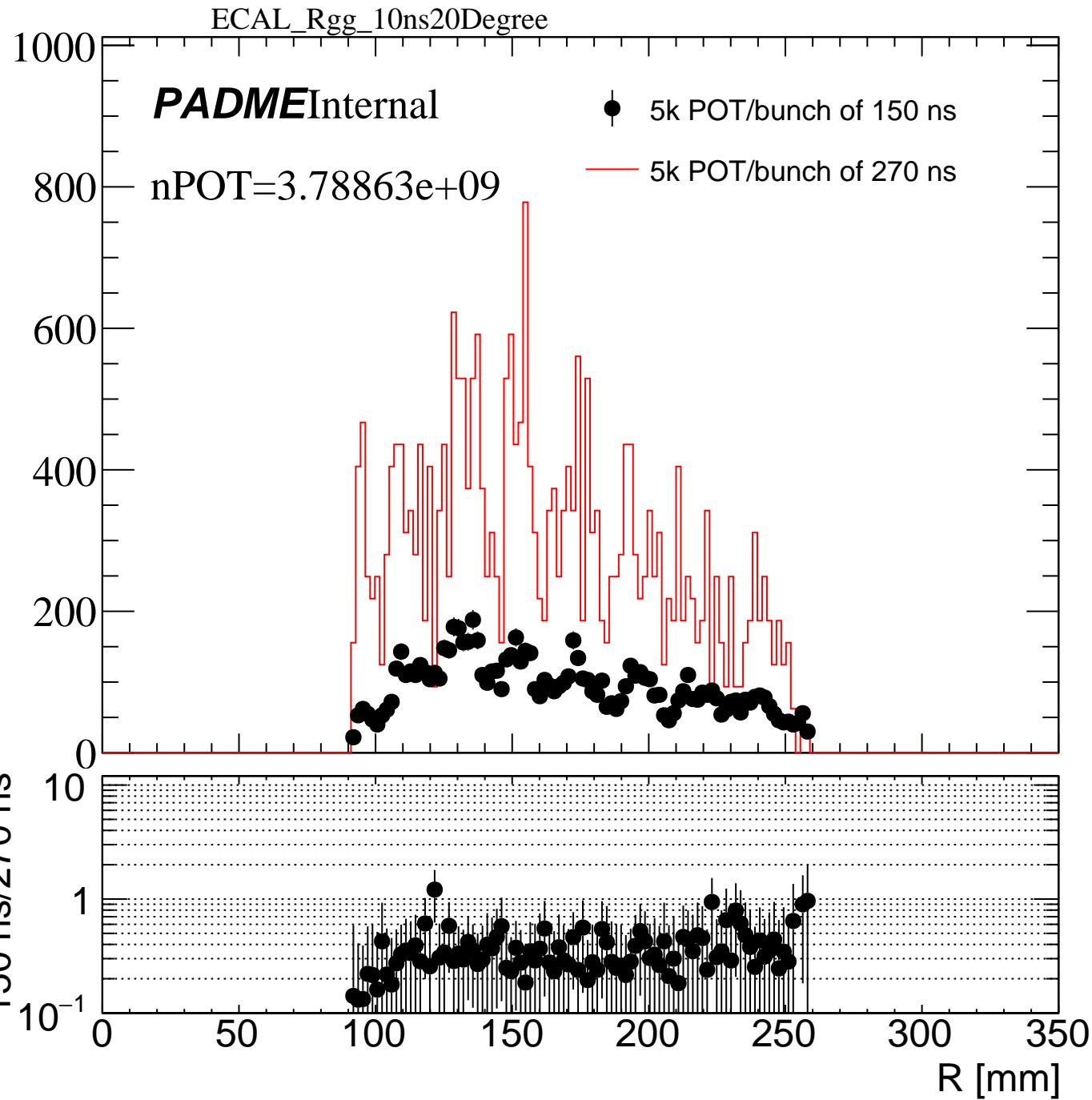
PADMEInternal
 $n\text{POT} = 3.78863 \times 10^9$

● 5k POT/bunch of 150 ns

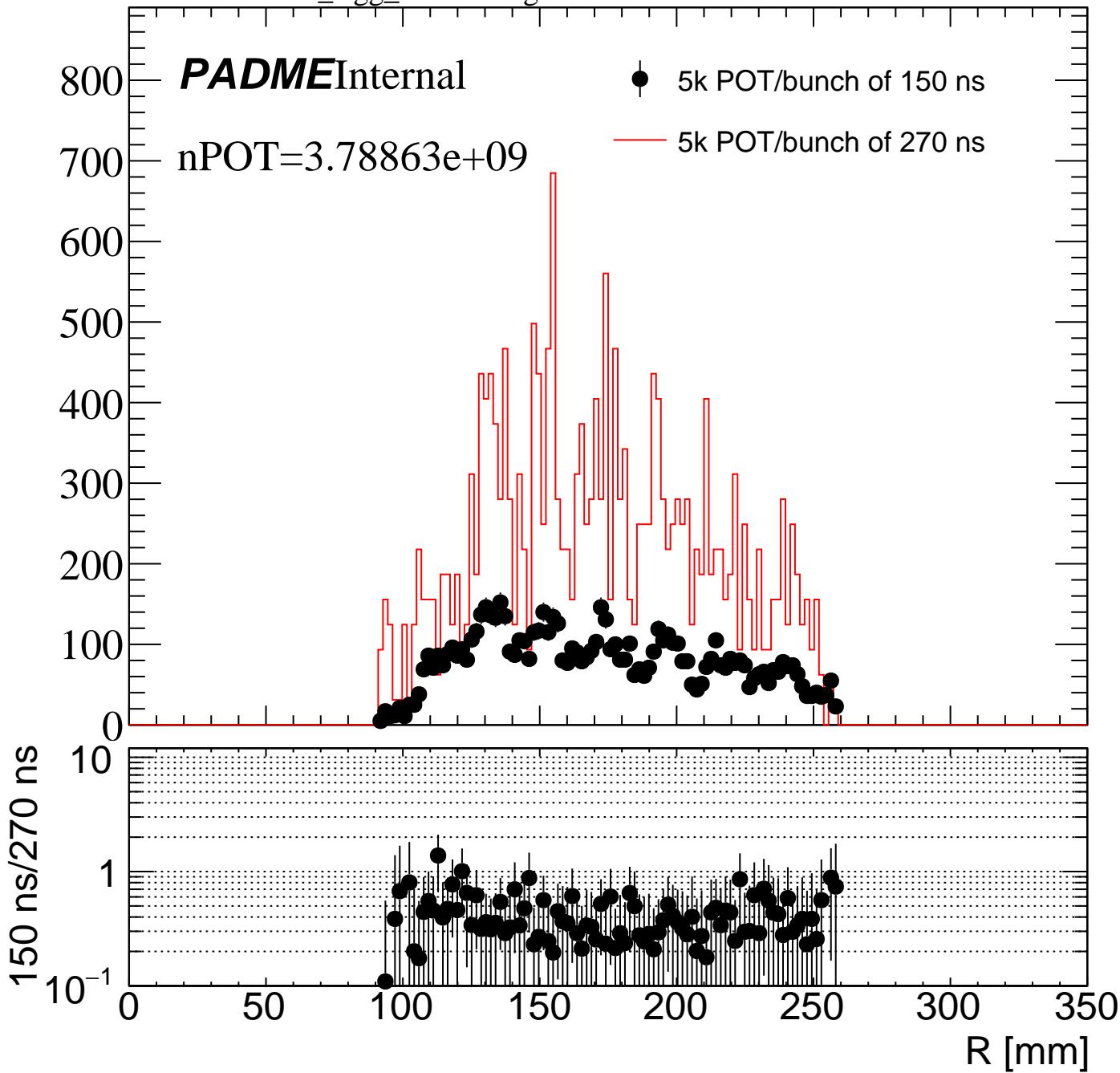
— 5k POT/bunch of 270 ns

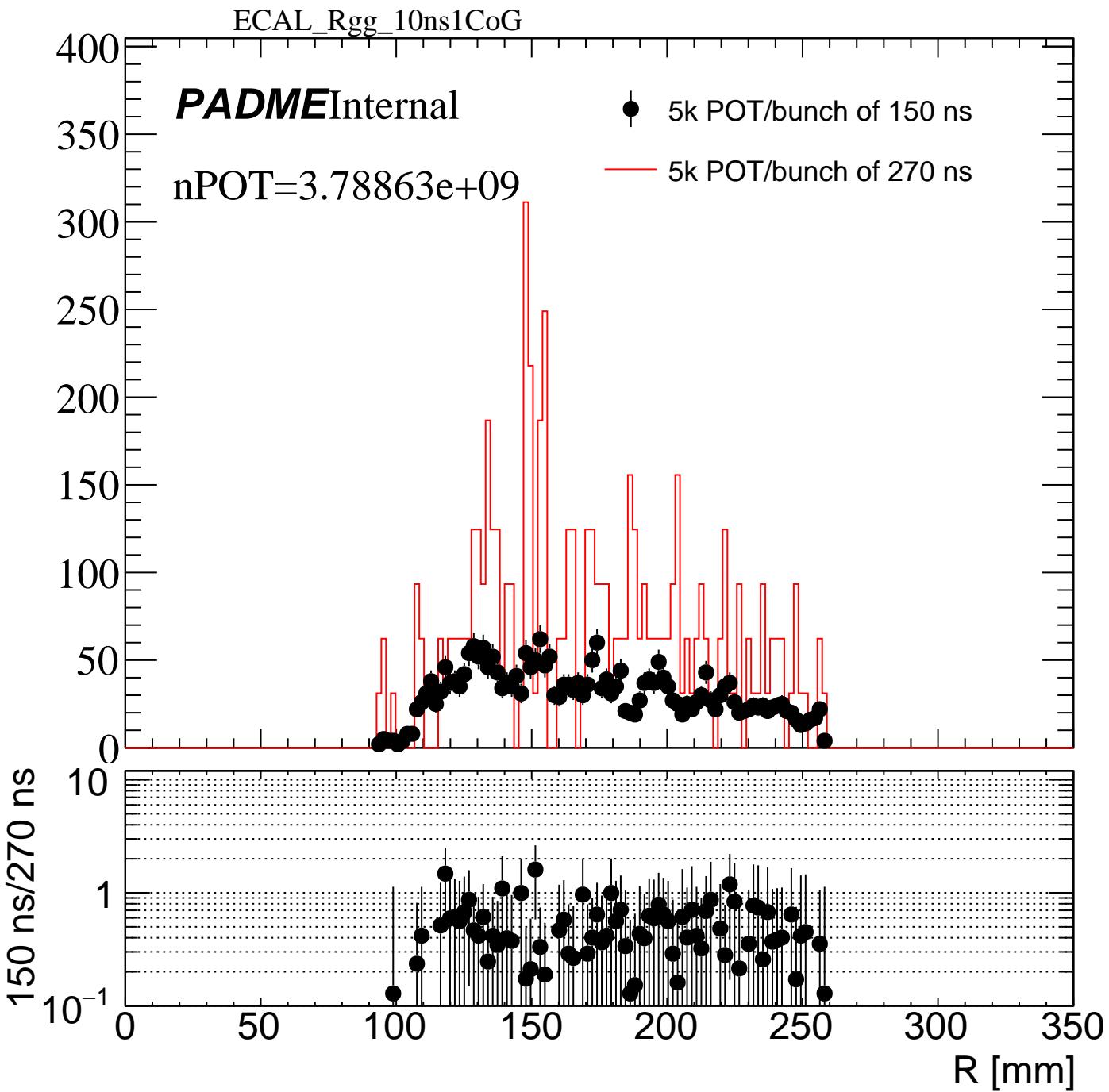


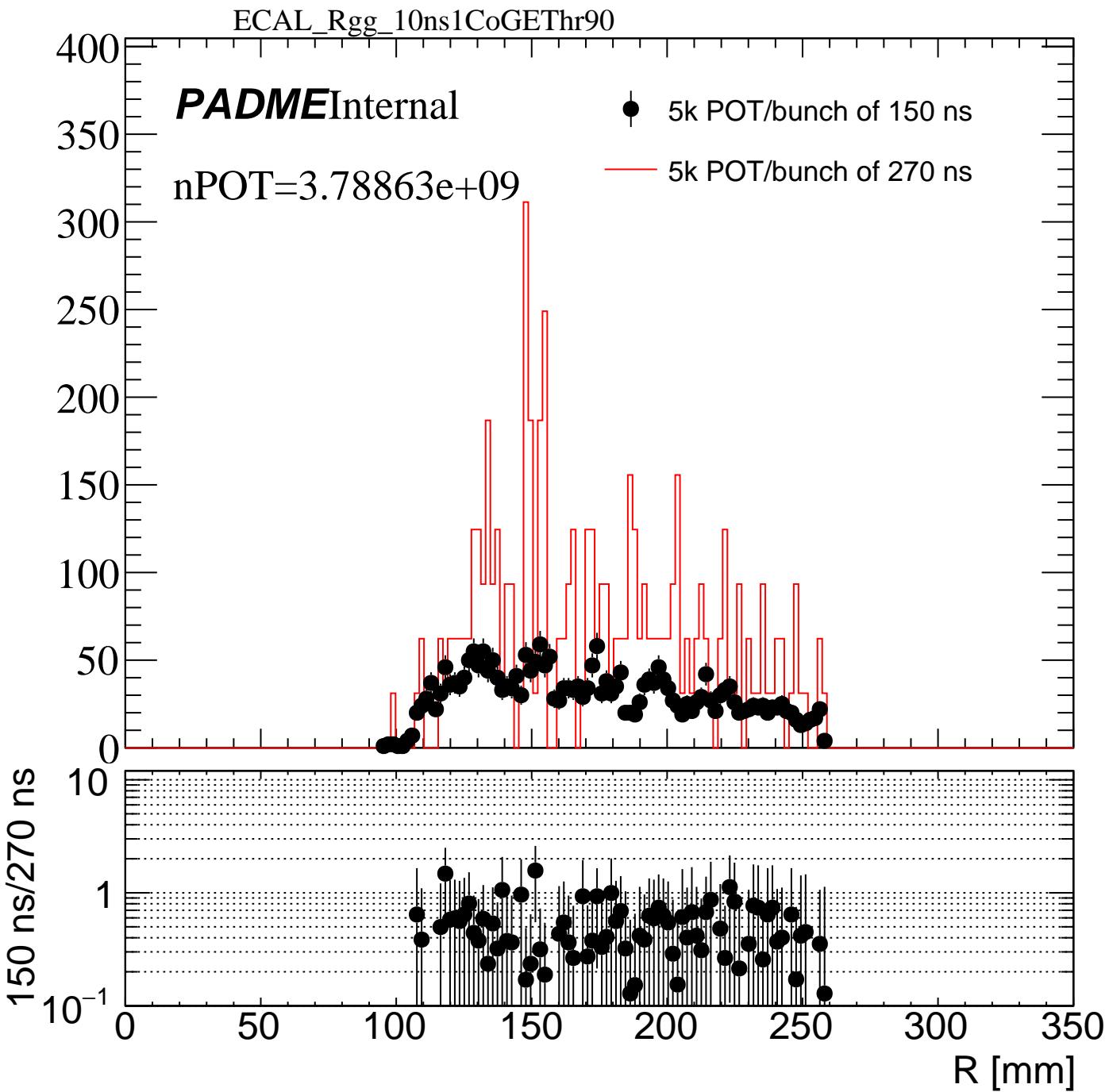


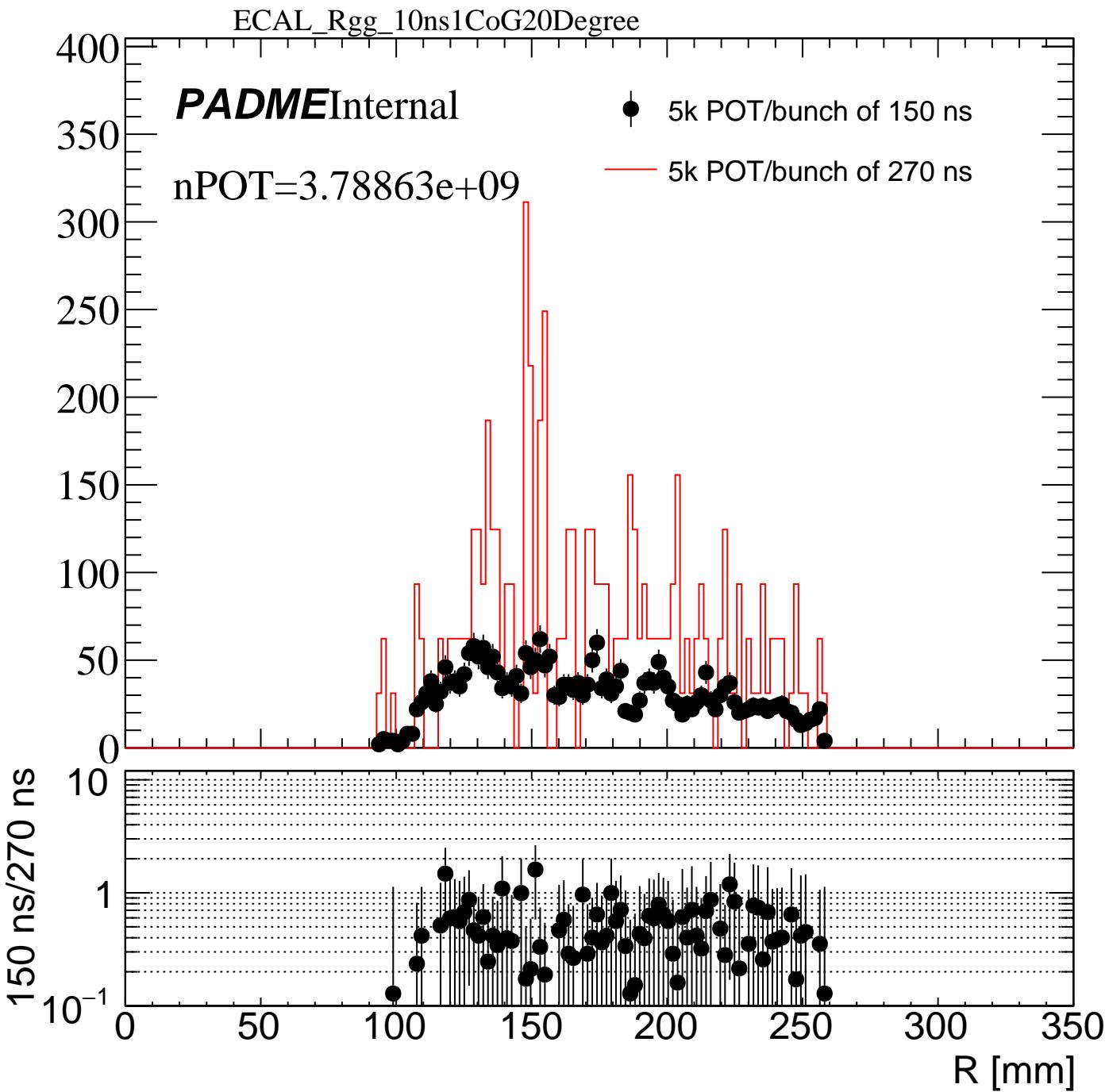


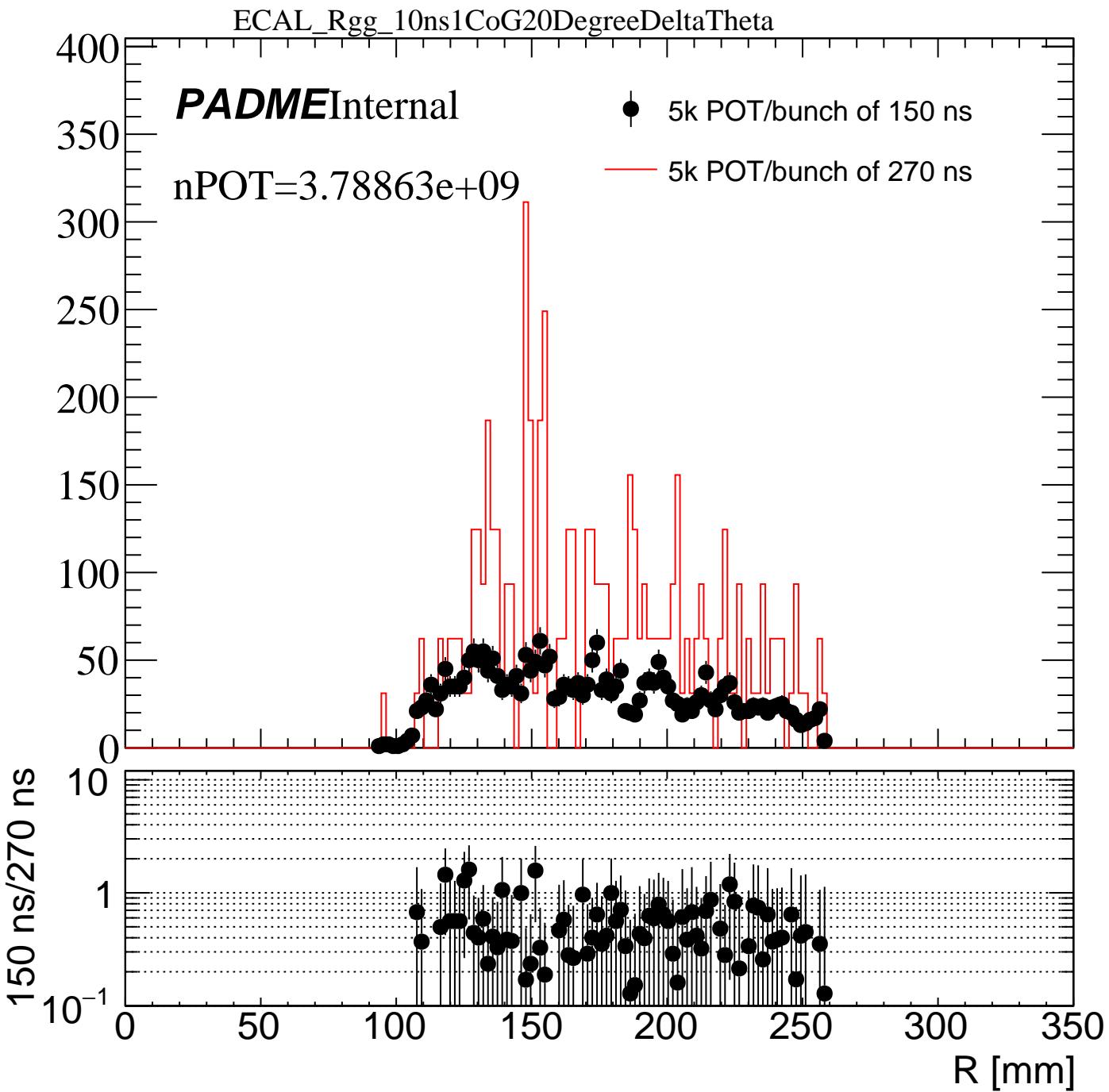
ECAL_Rgg_10ns20DegreeDeltaTheta



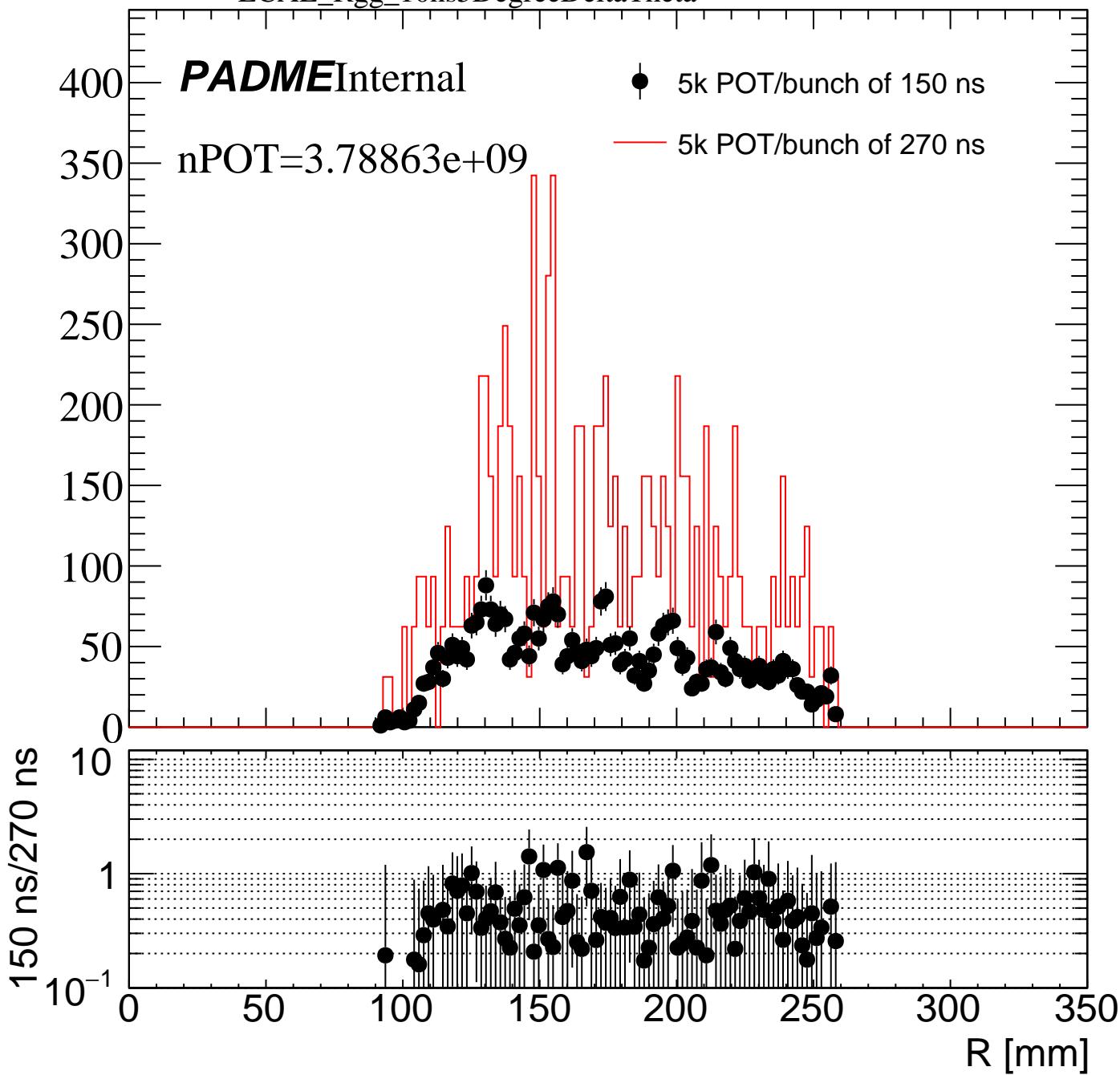




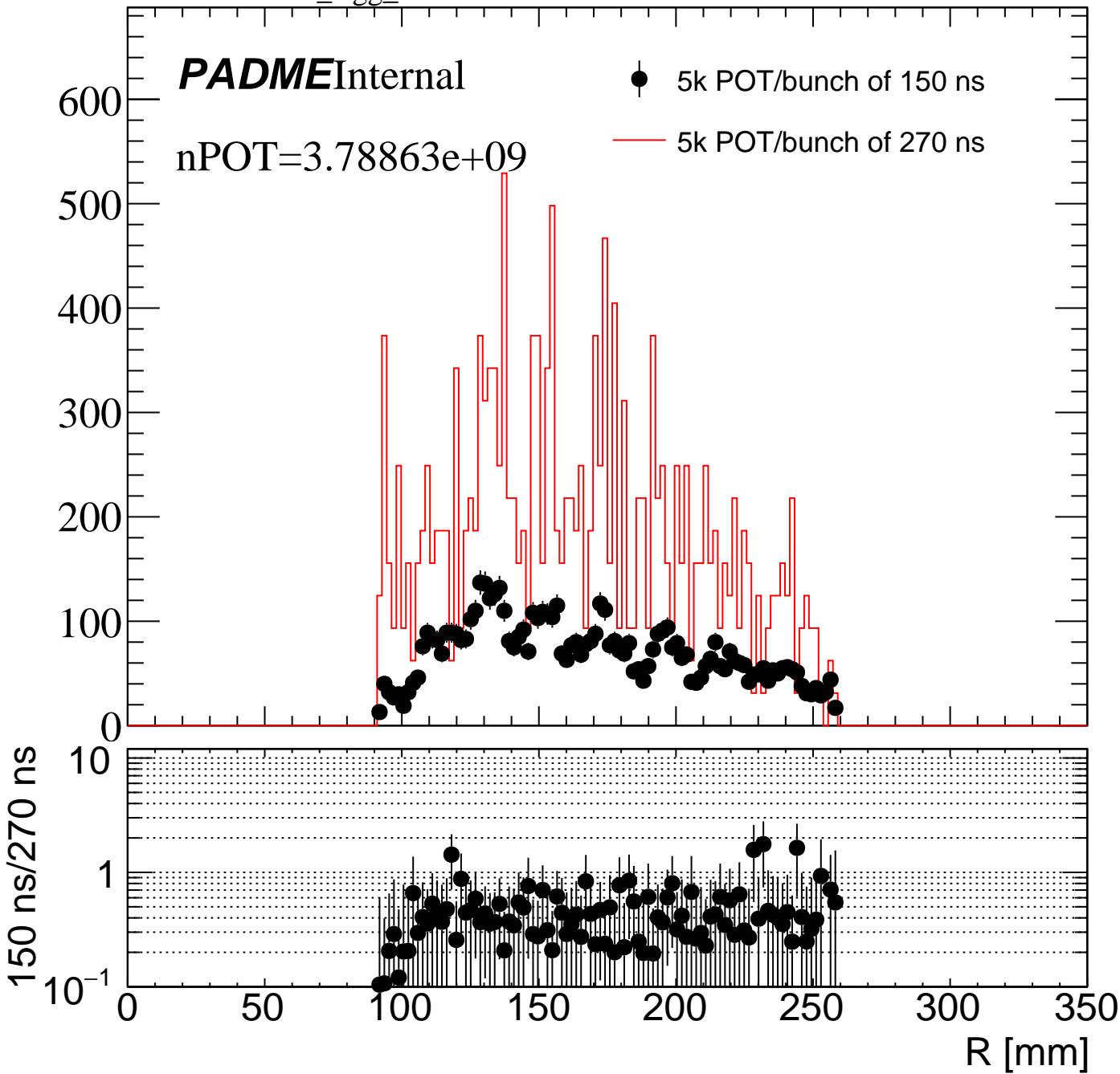




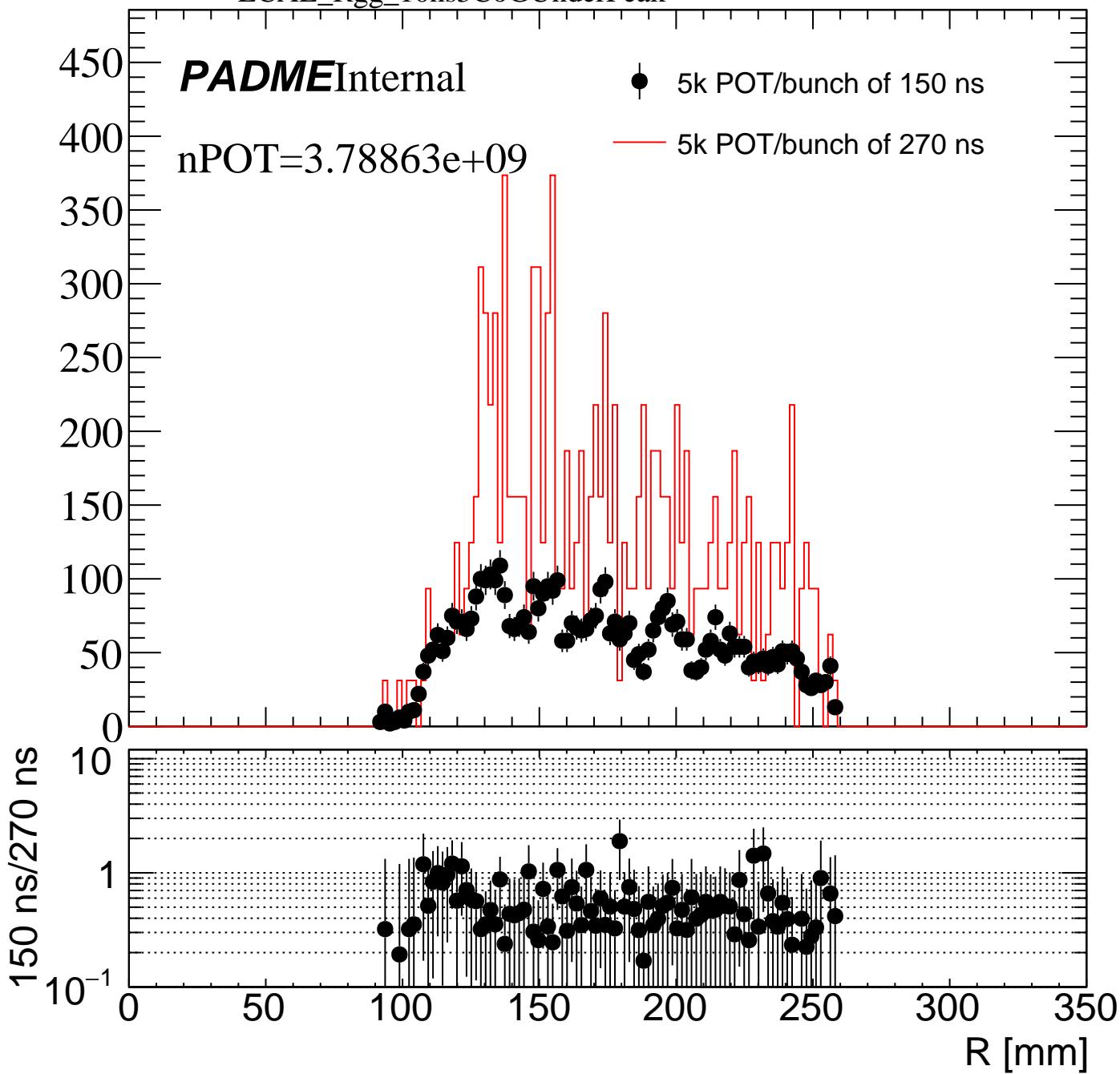
ECAL_Rgg_10ns5DegreeDeltaTheta



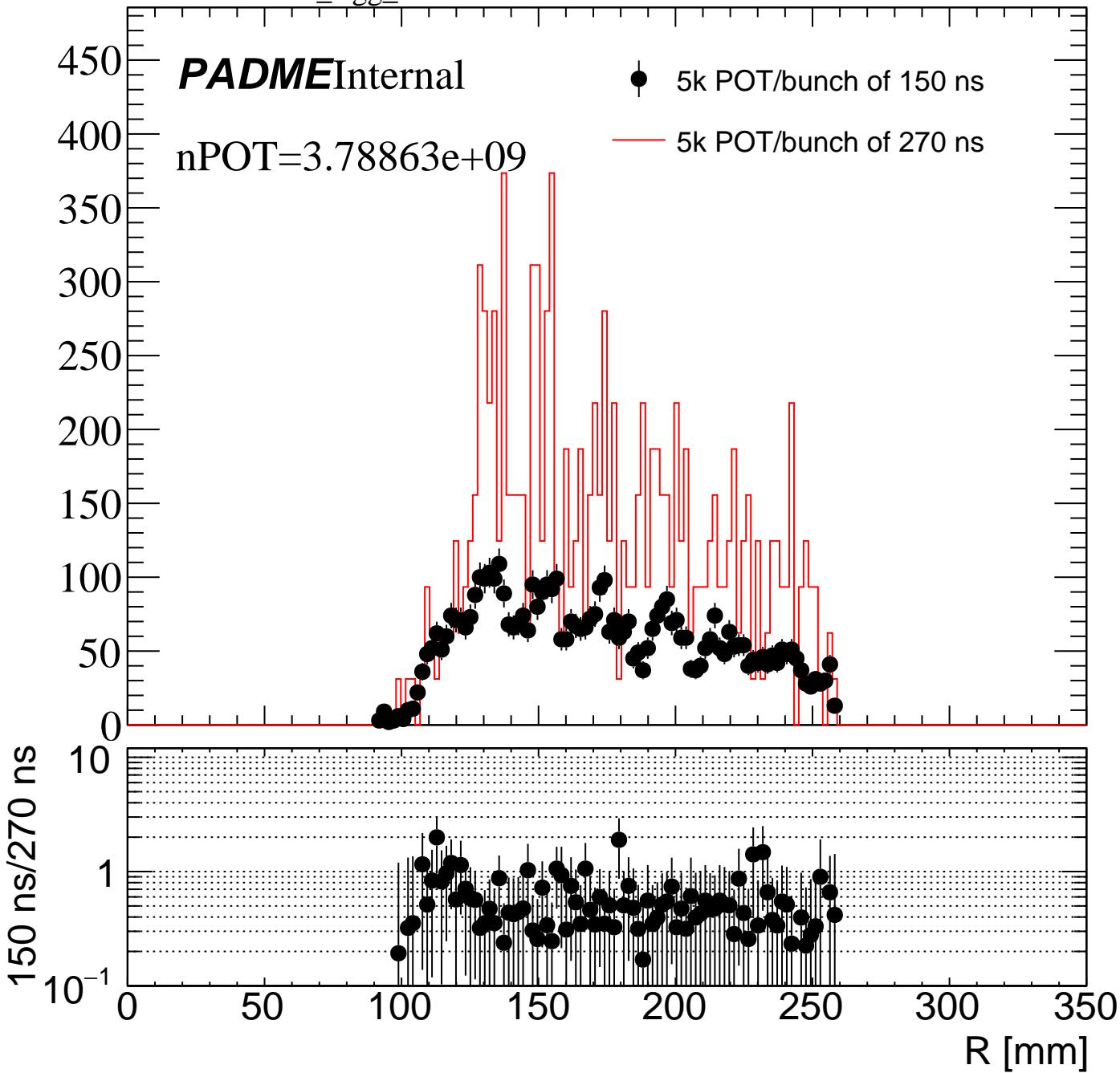
ECAL_Rgg_10ns3CoG

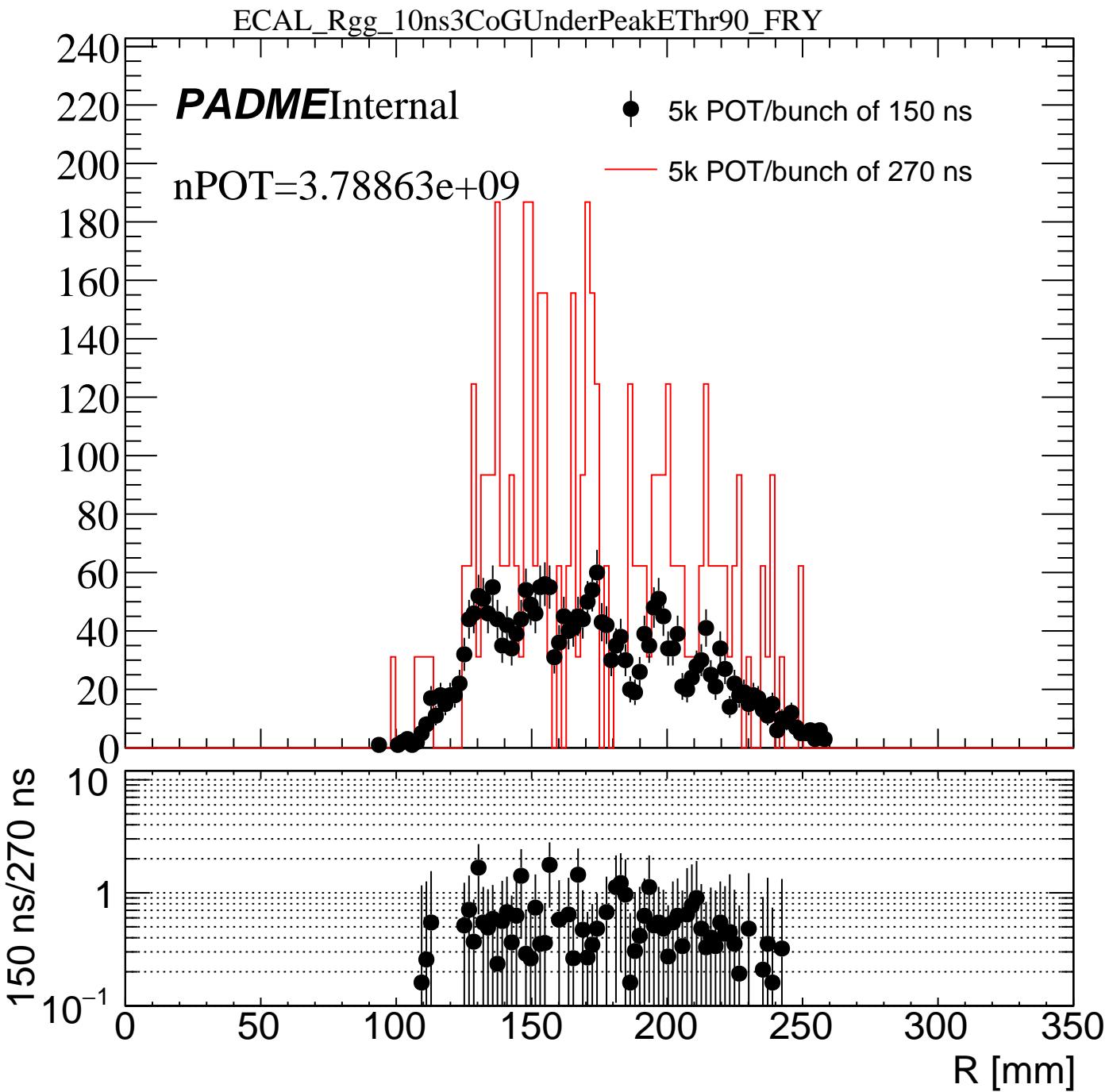


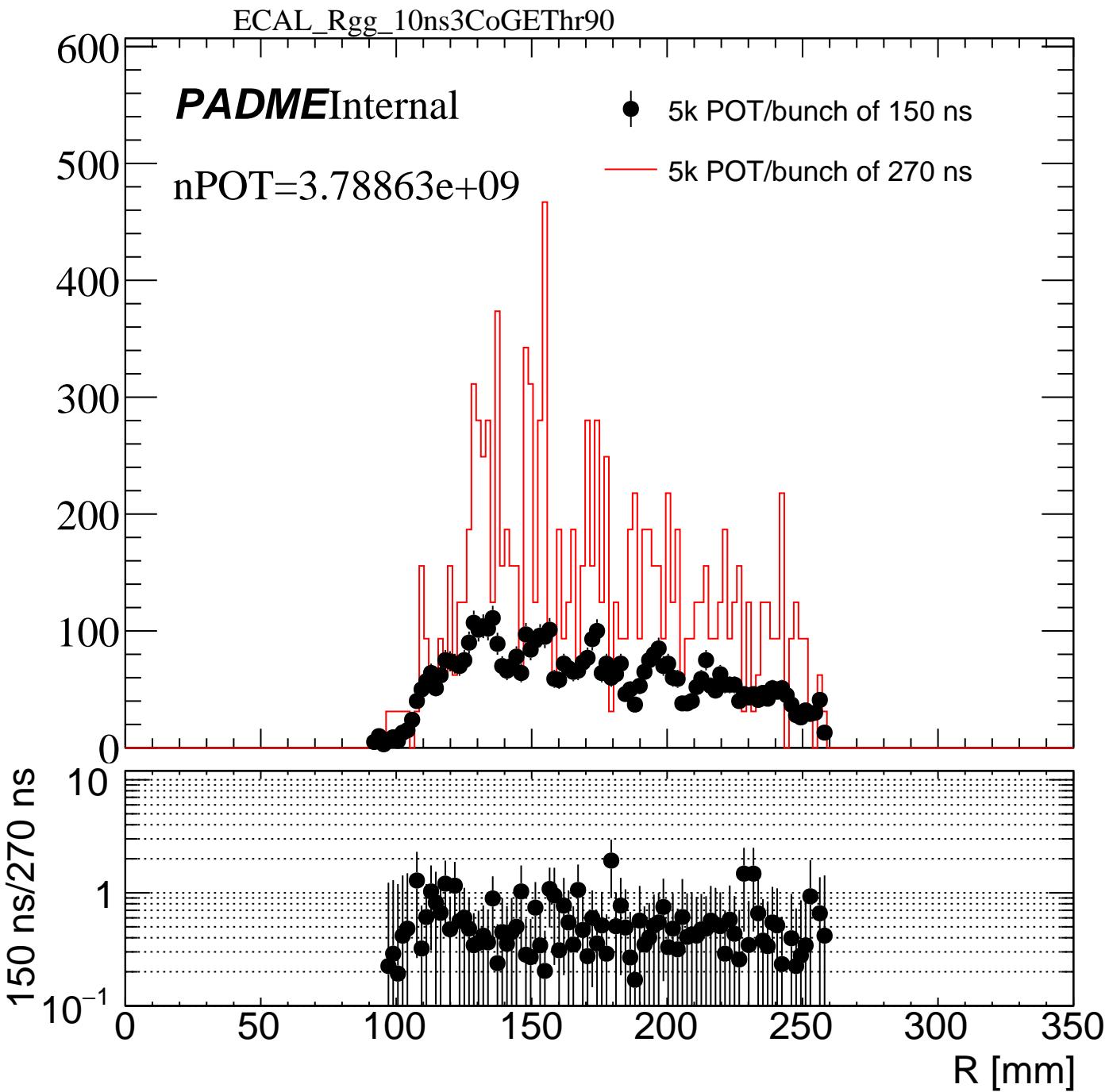
ECAL_Rgg_10ns3CoGUnderPeak



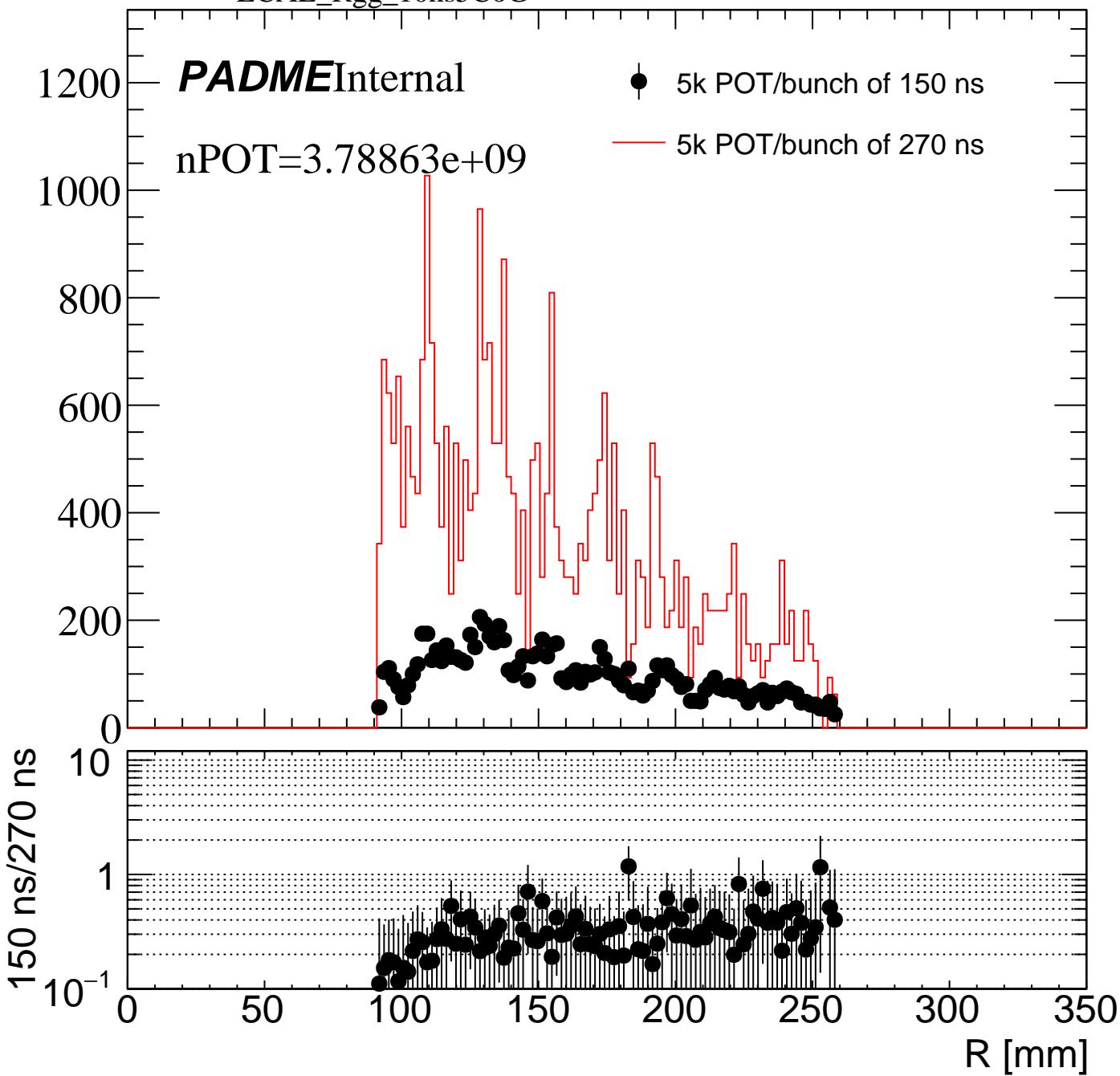
ECAL_Rgg_10ns3CoGUnderPeakEThr90



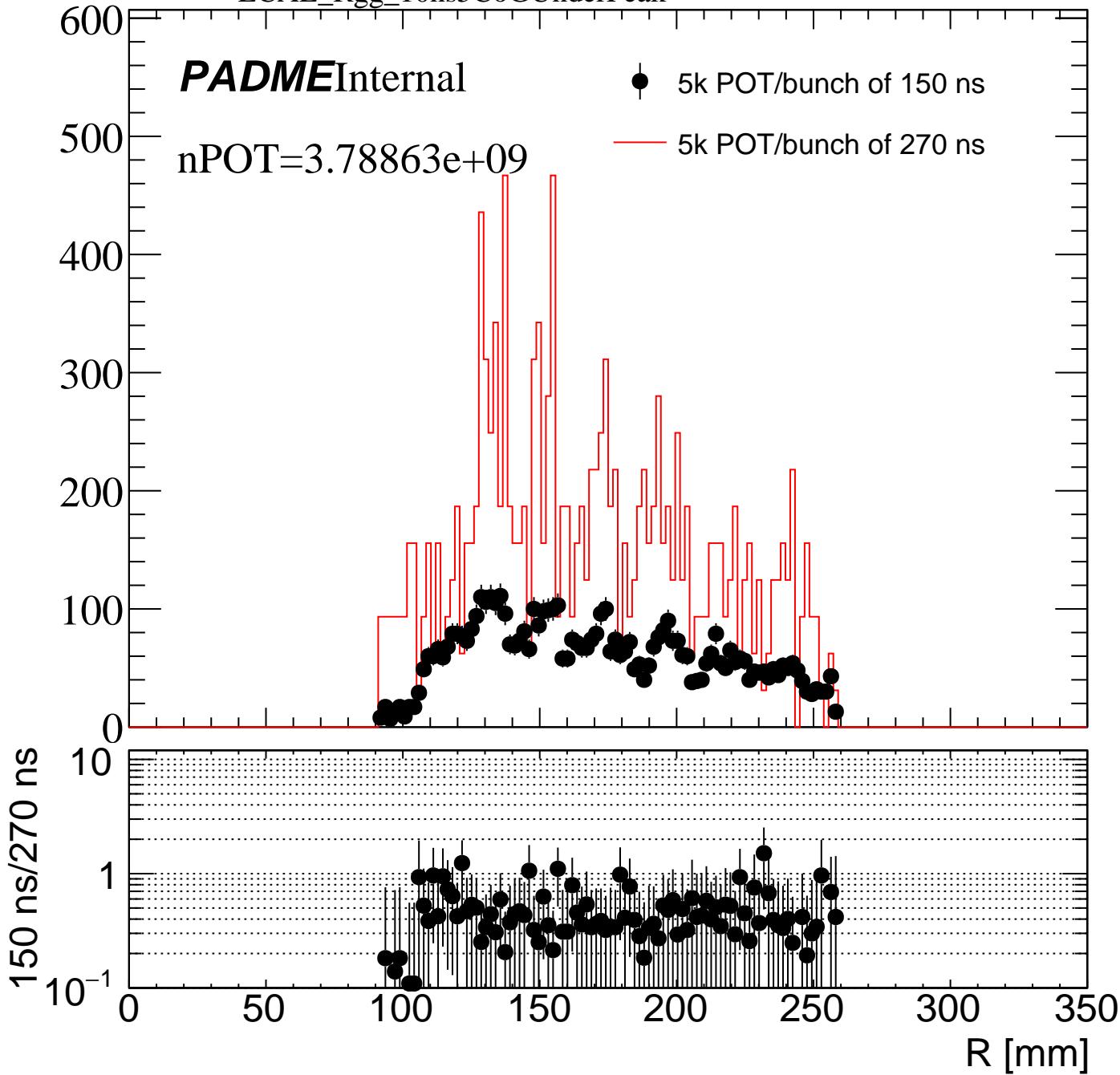




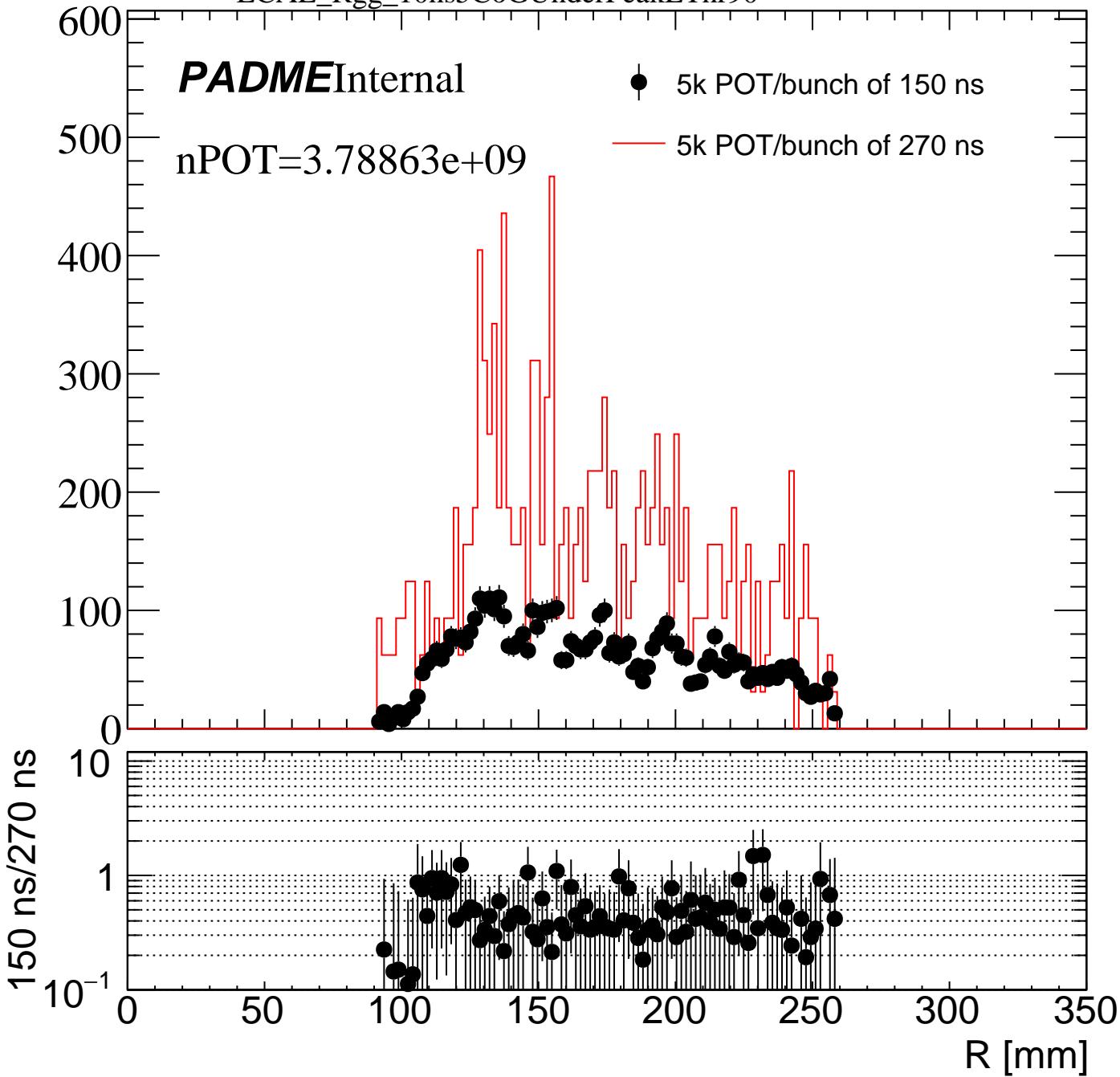
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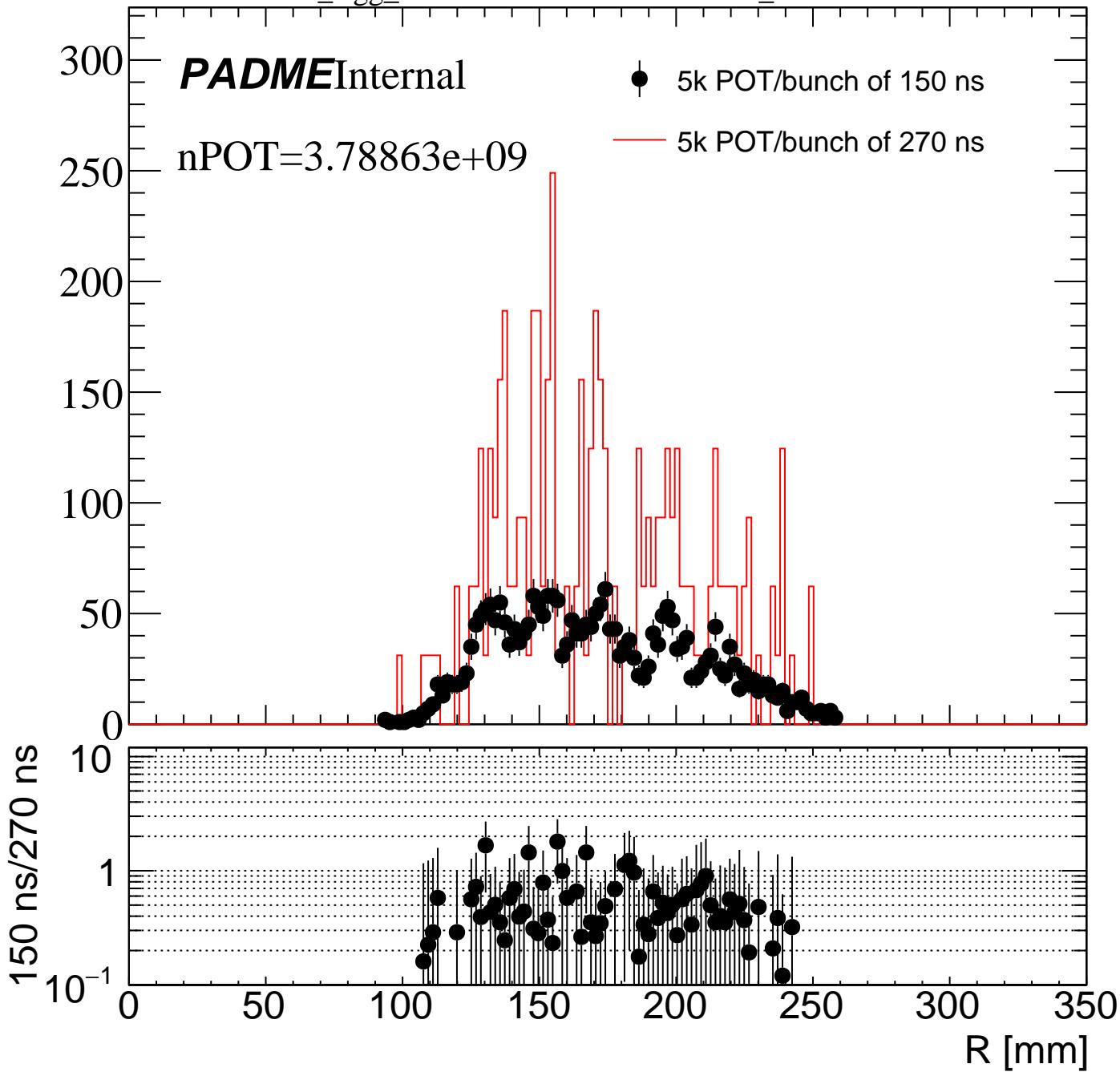
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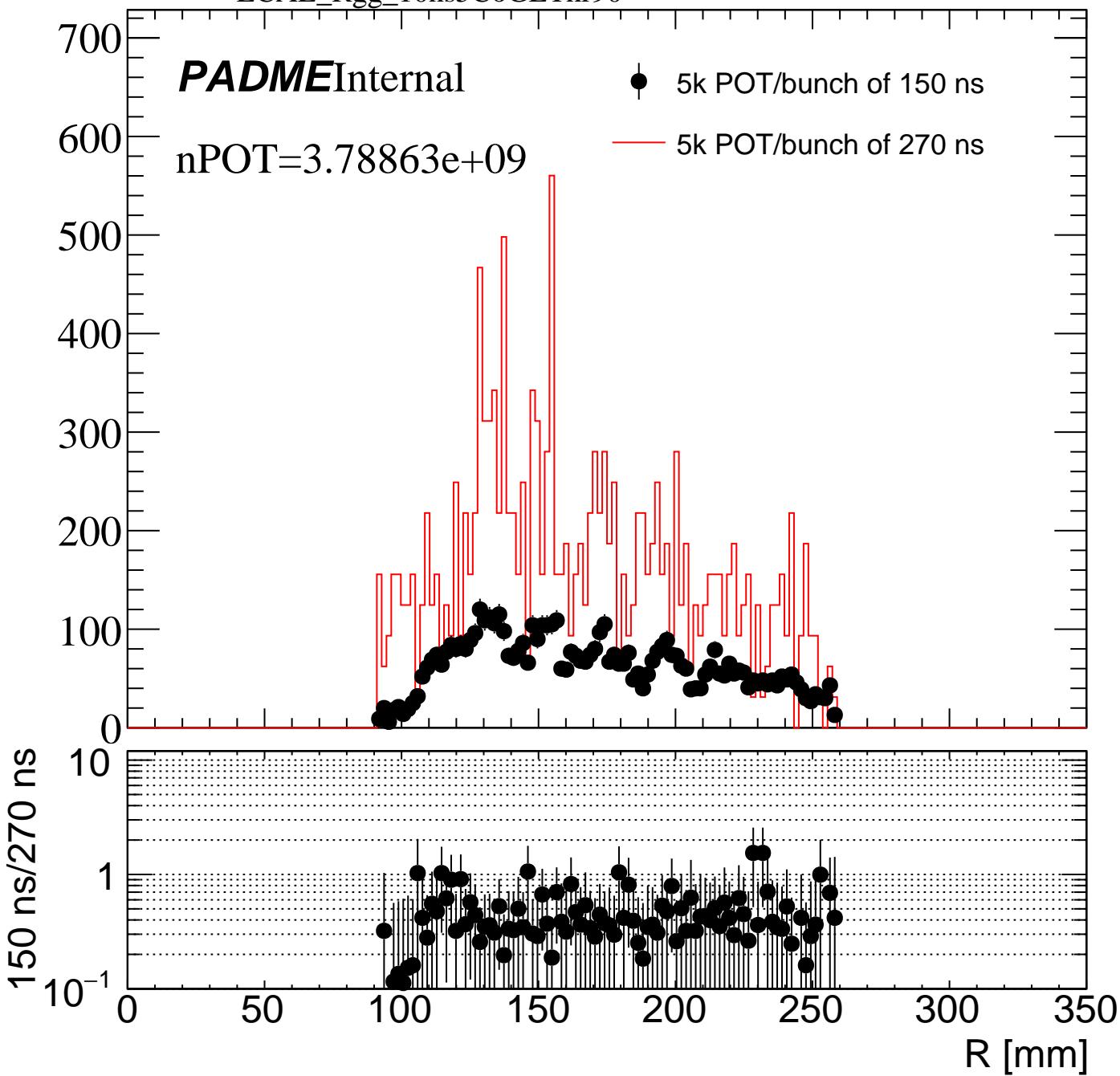
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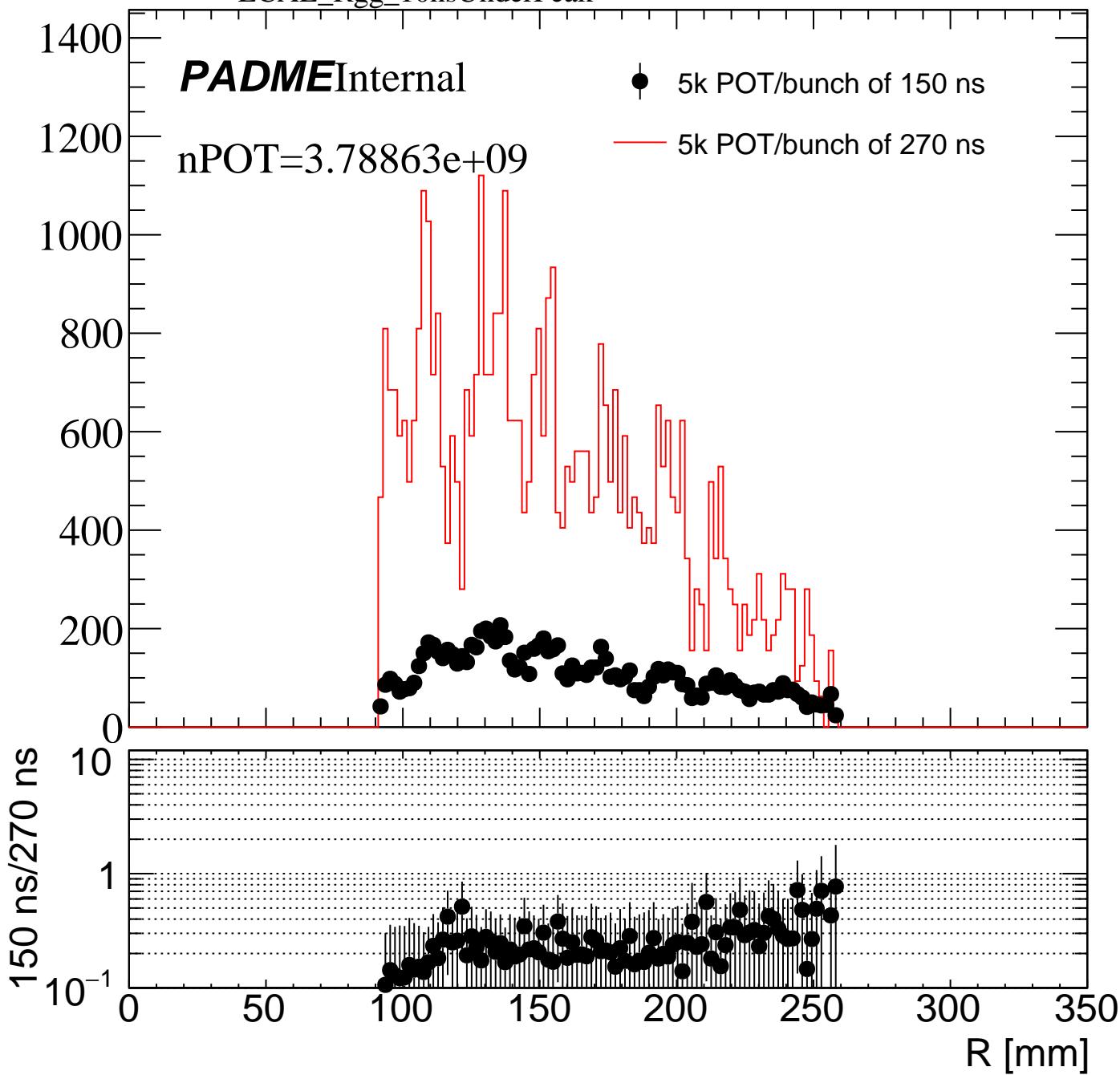
ECAL_Rgg_10ns5CoGUnderPeakEThr90_FRY



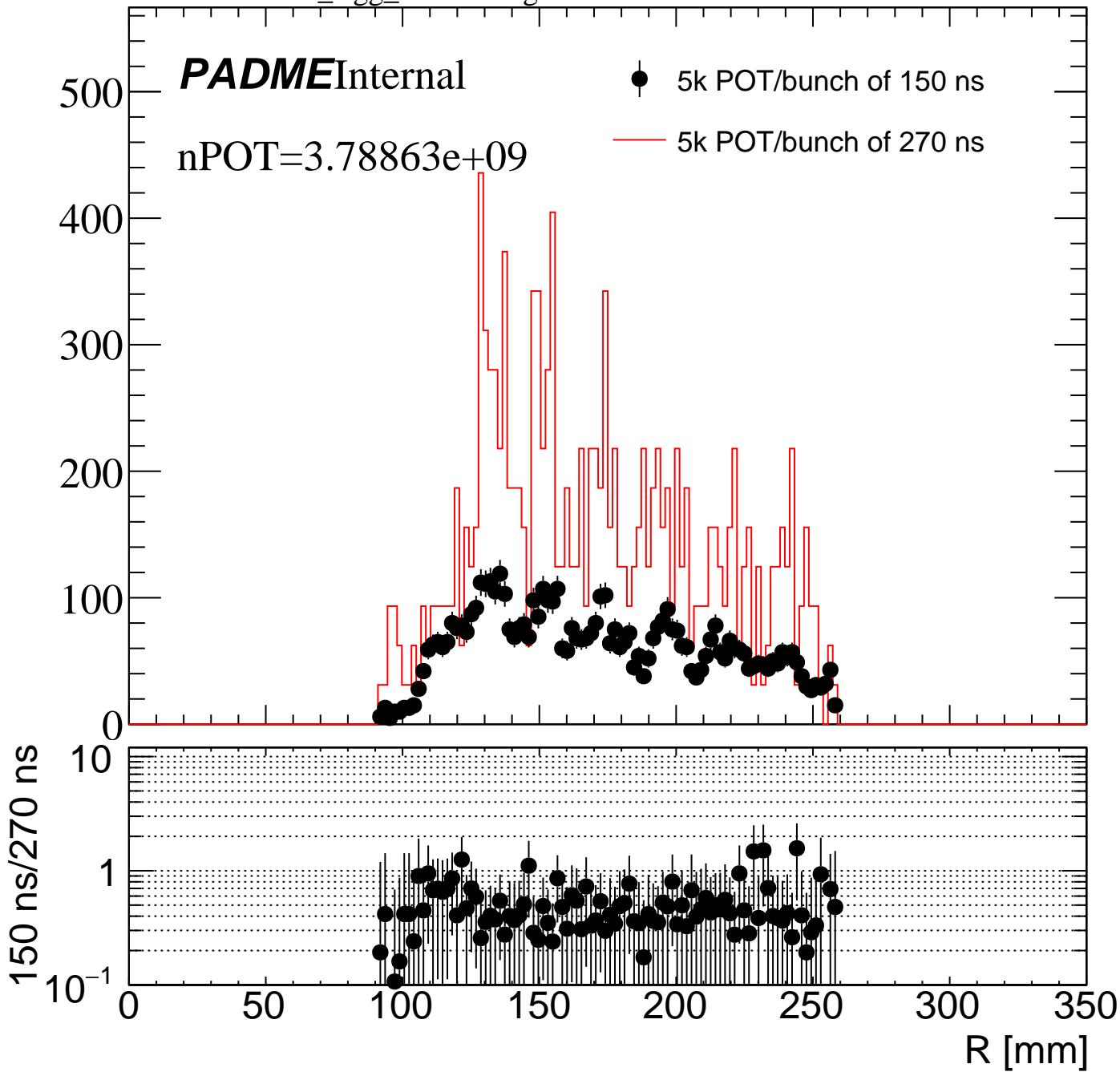
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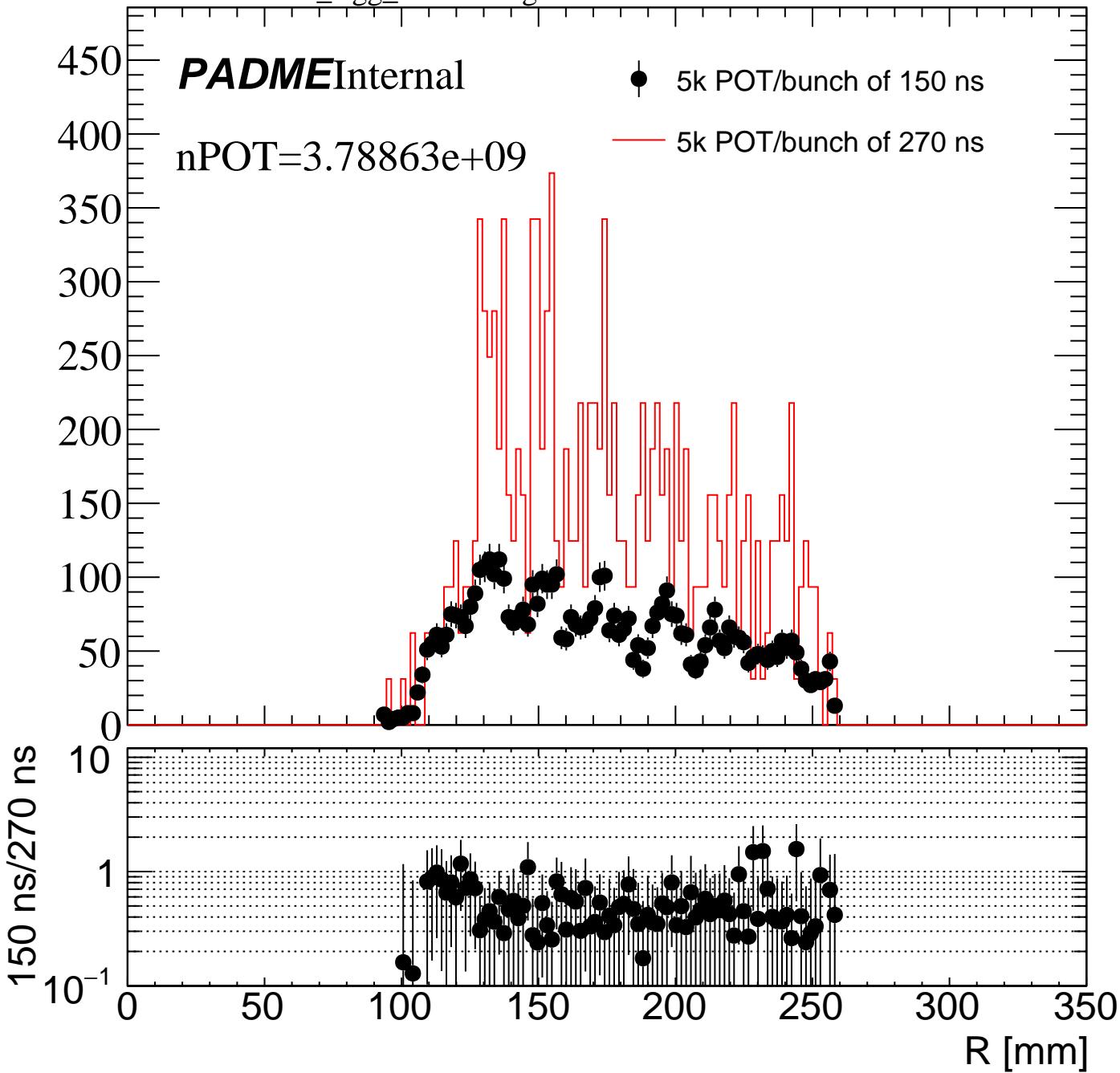
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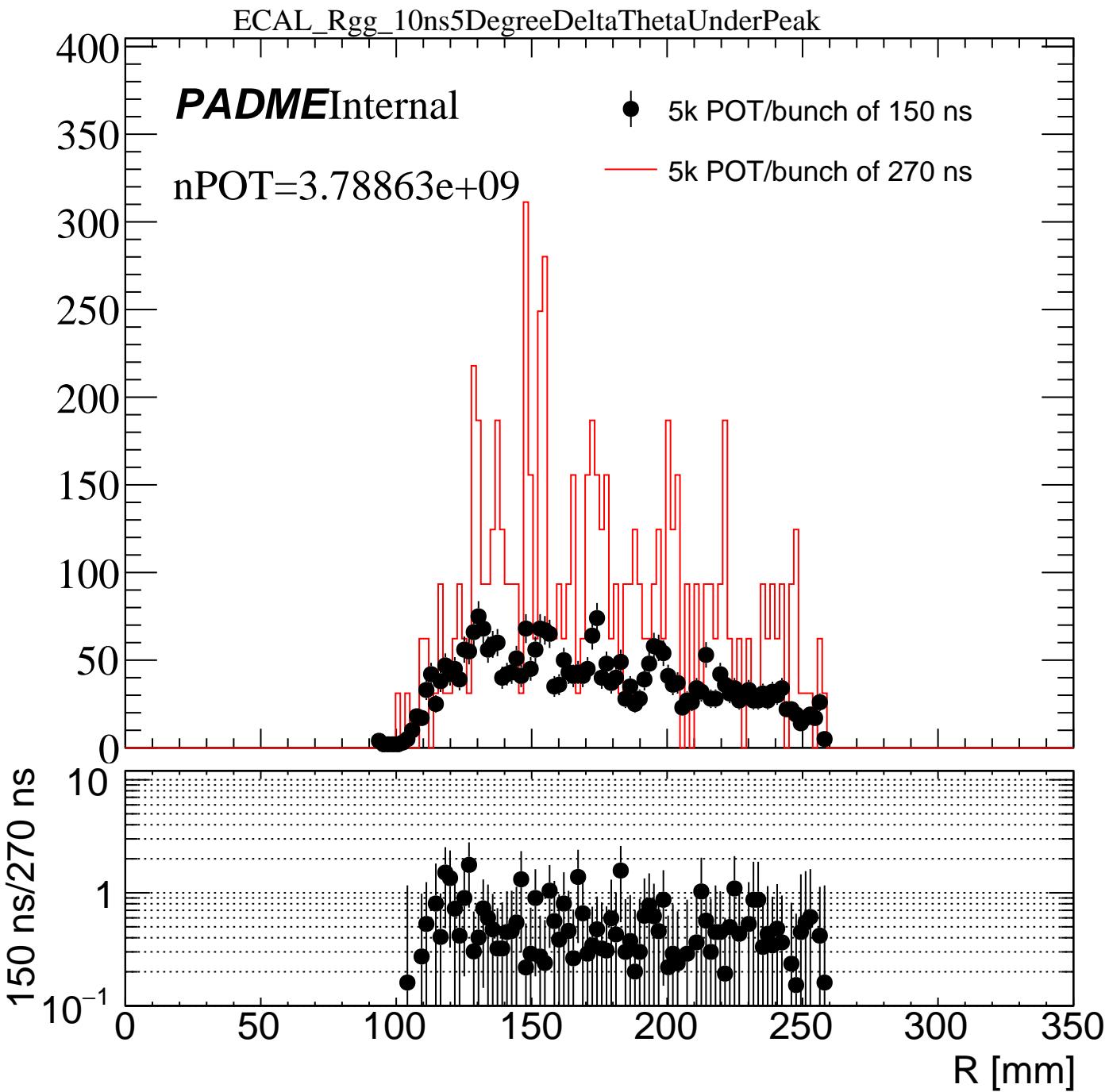


ECAL_Rgg_10ns20DegreeUnderPeak

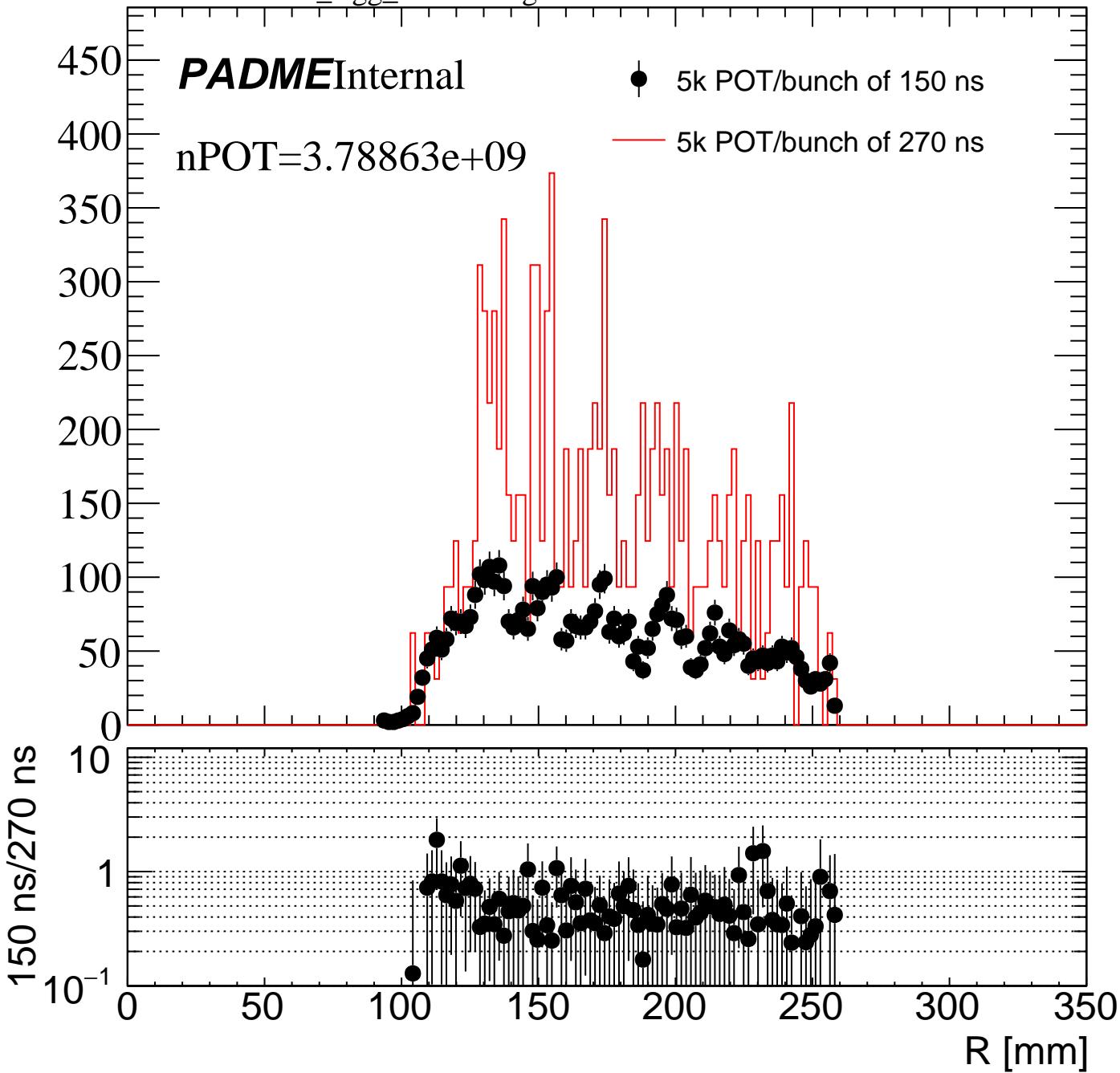


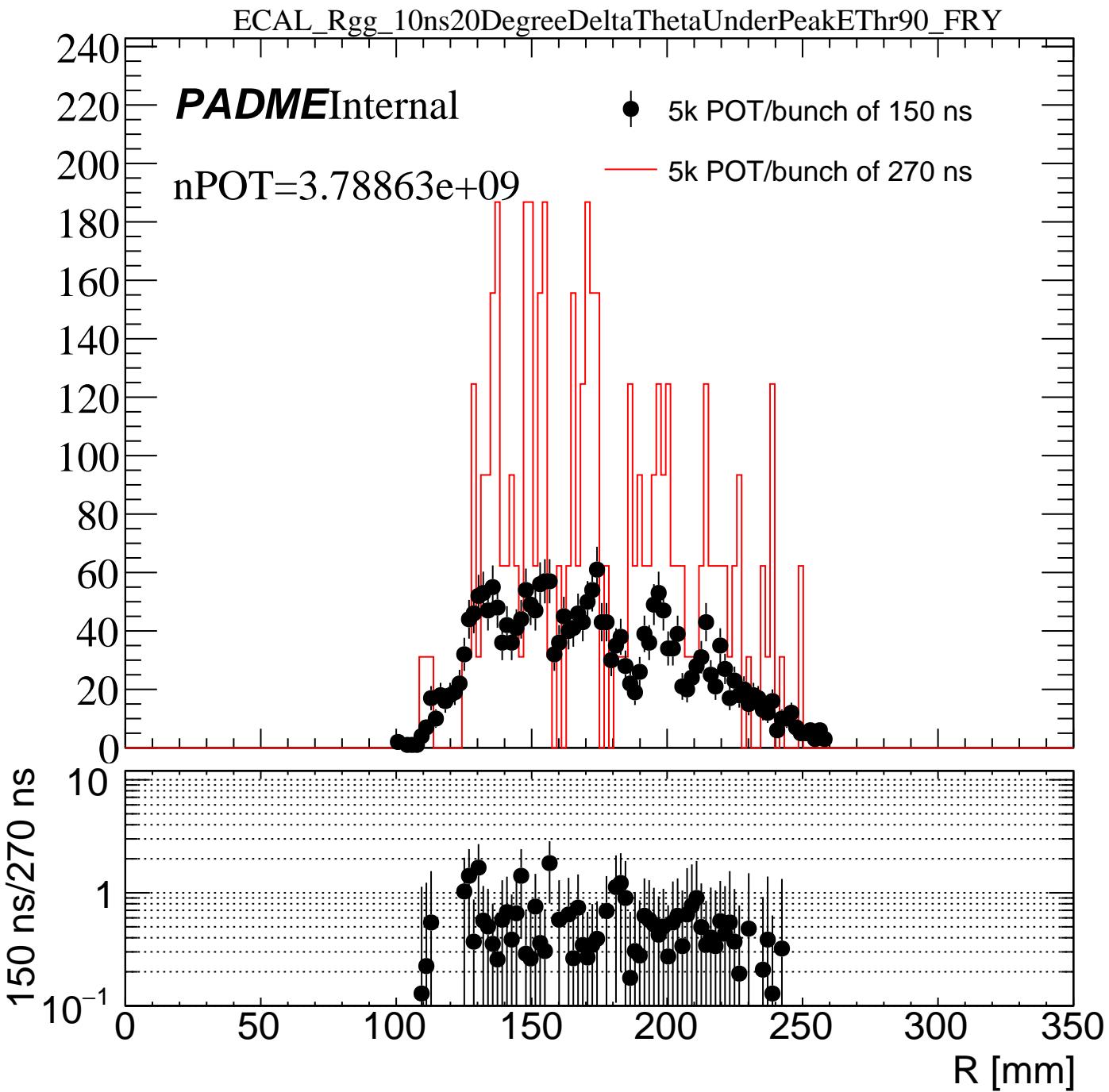
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak



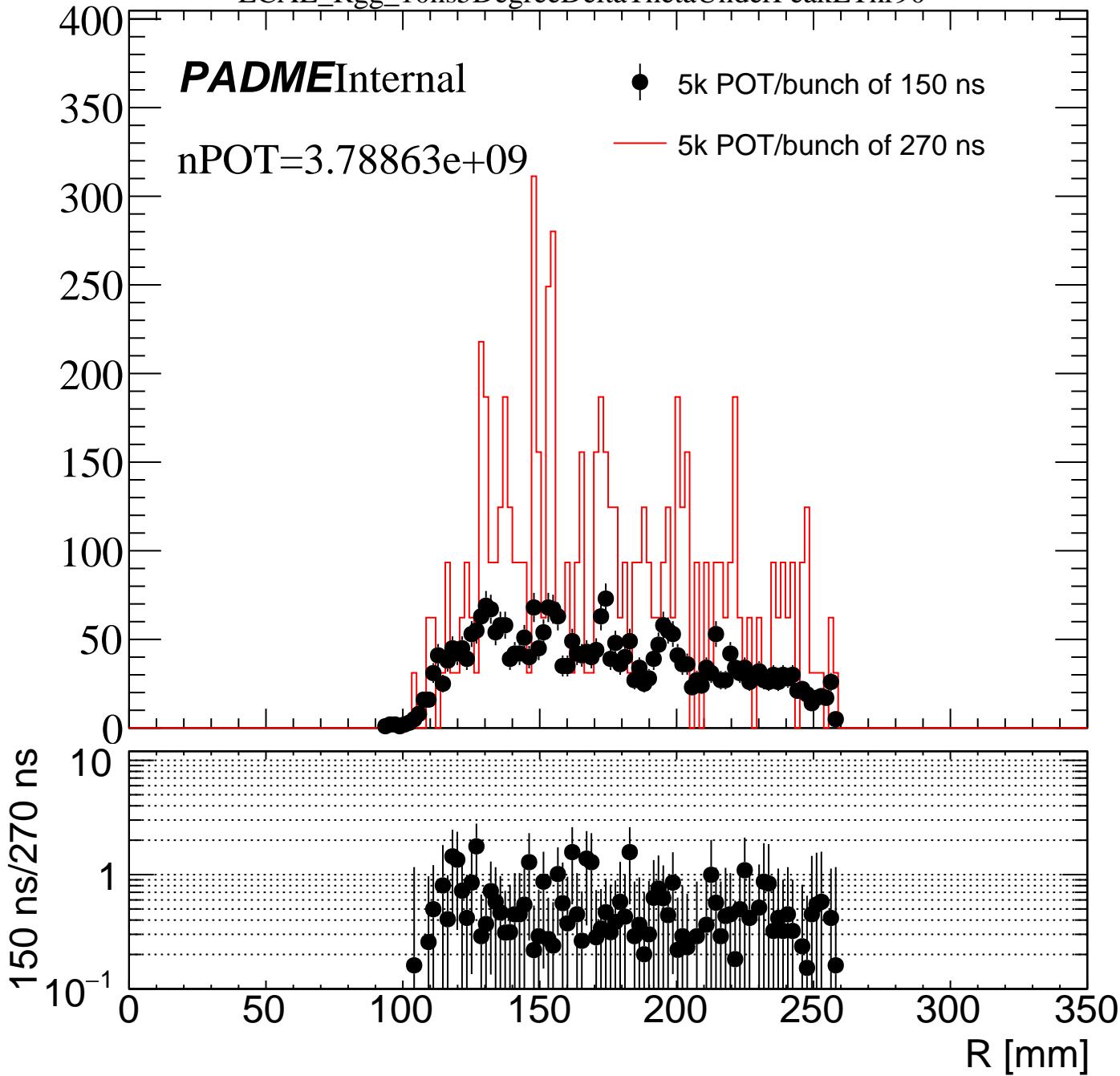


ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90

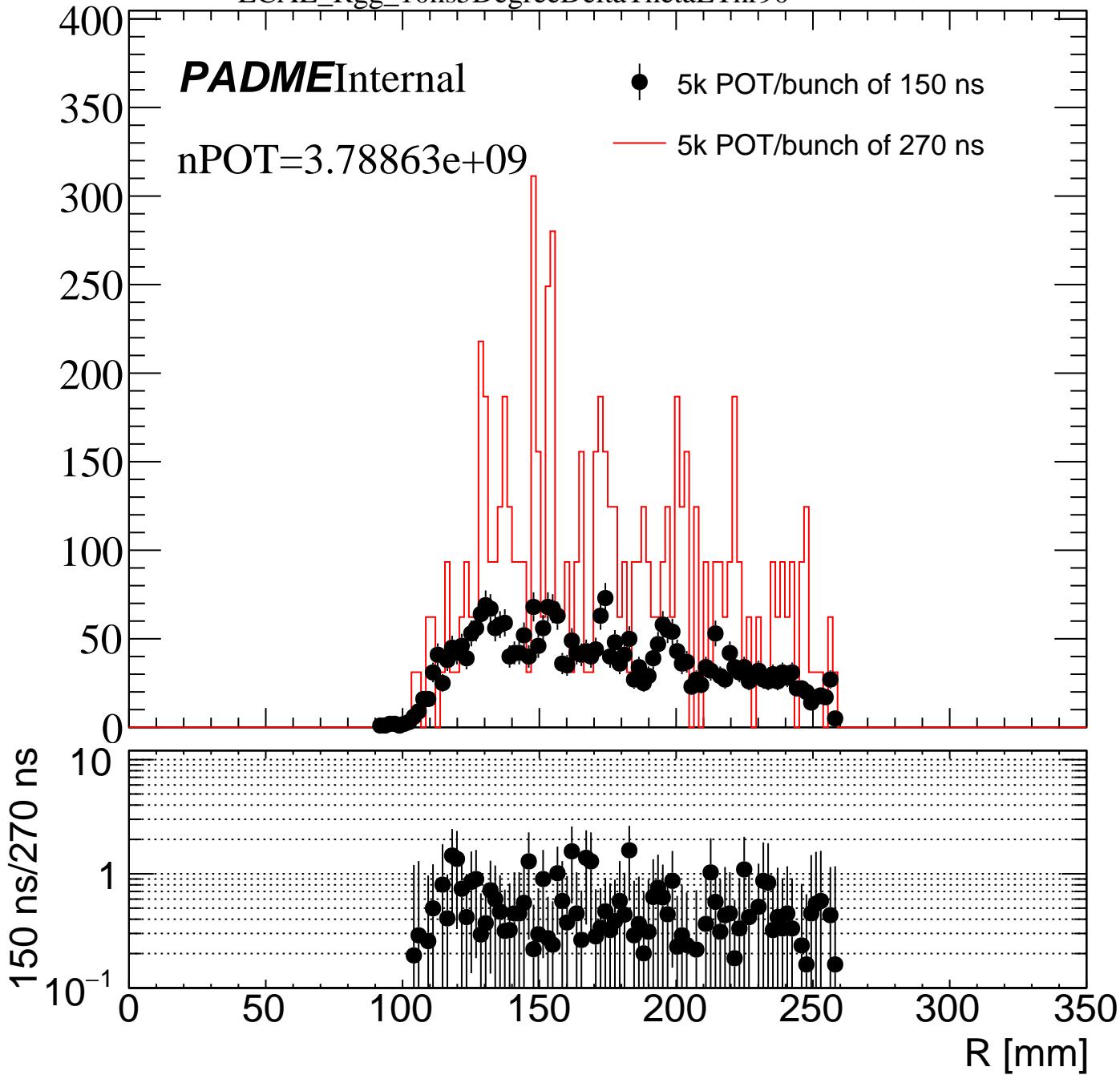




ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeakEThr90



ECAL_Rgg_10ns5DegreeDeltaThetaEThr90



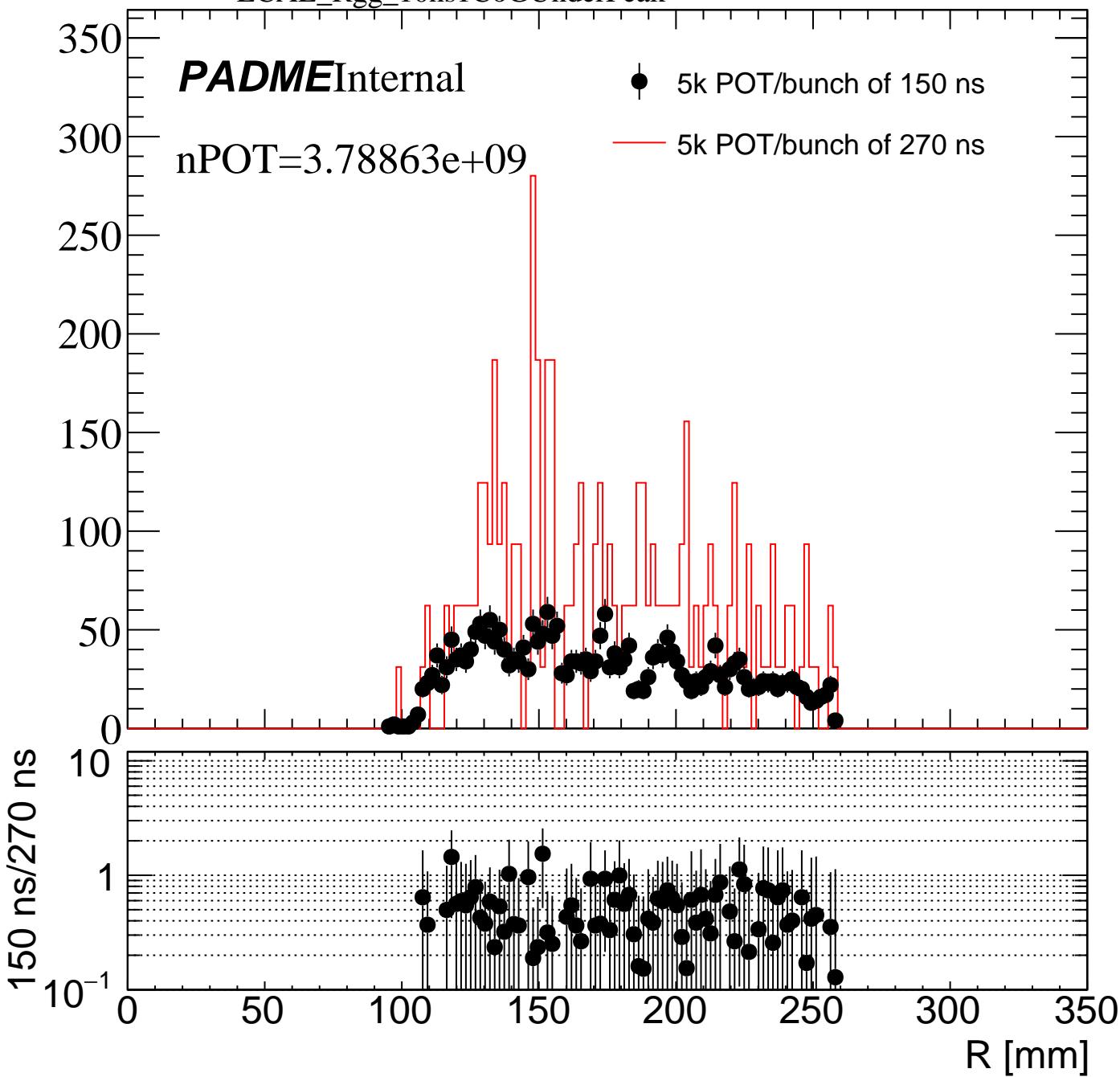
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PADMEInternal

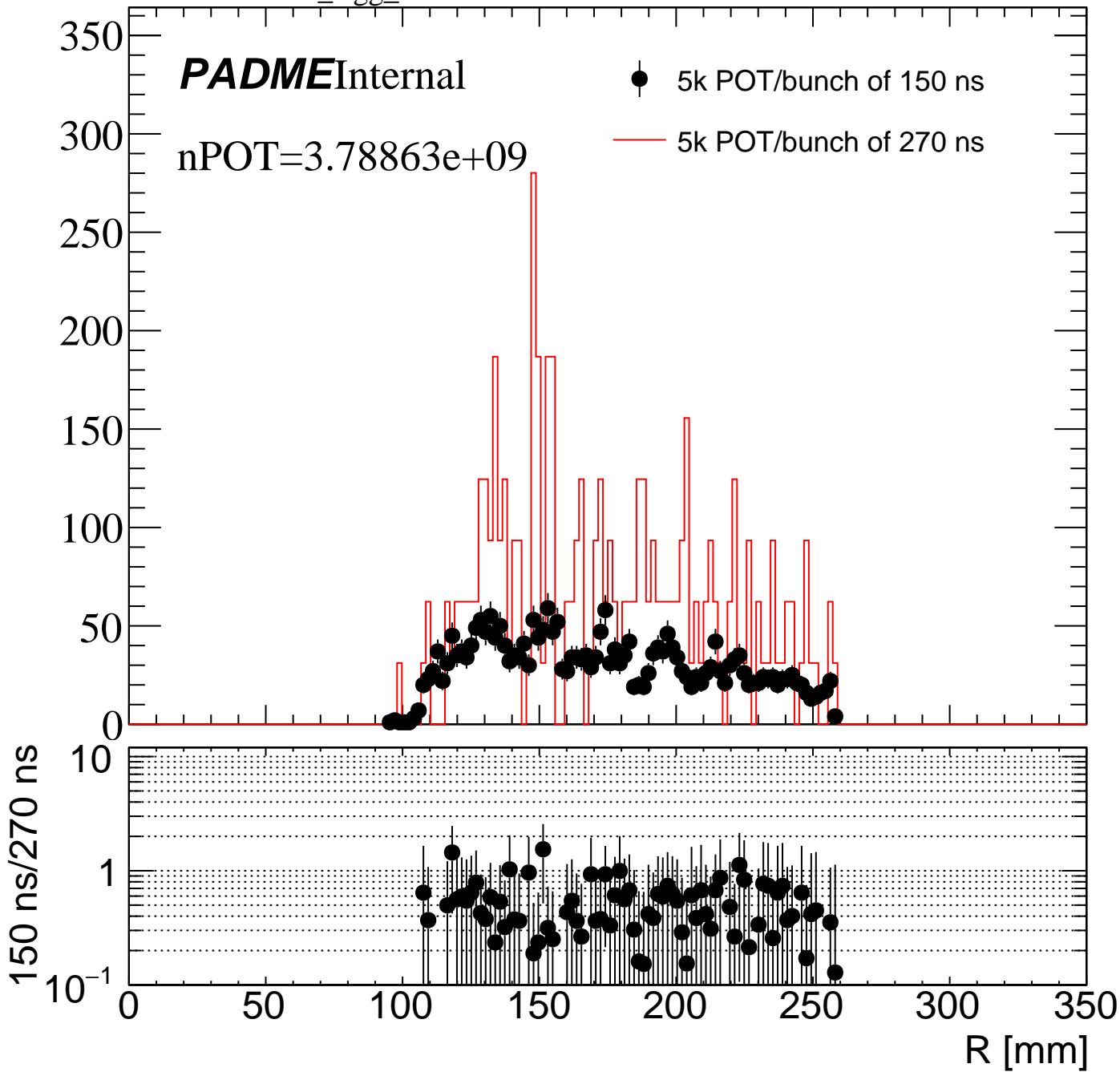
nPOT=3.78863e+09

- 5k POT/bunch of 150 ns

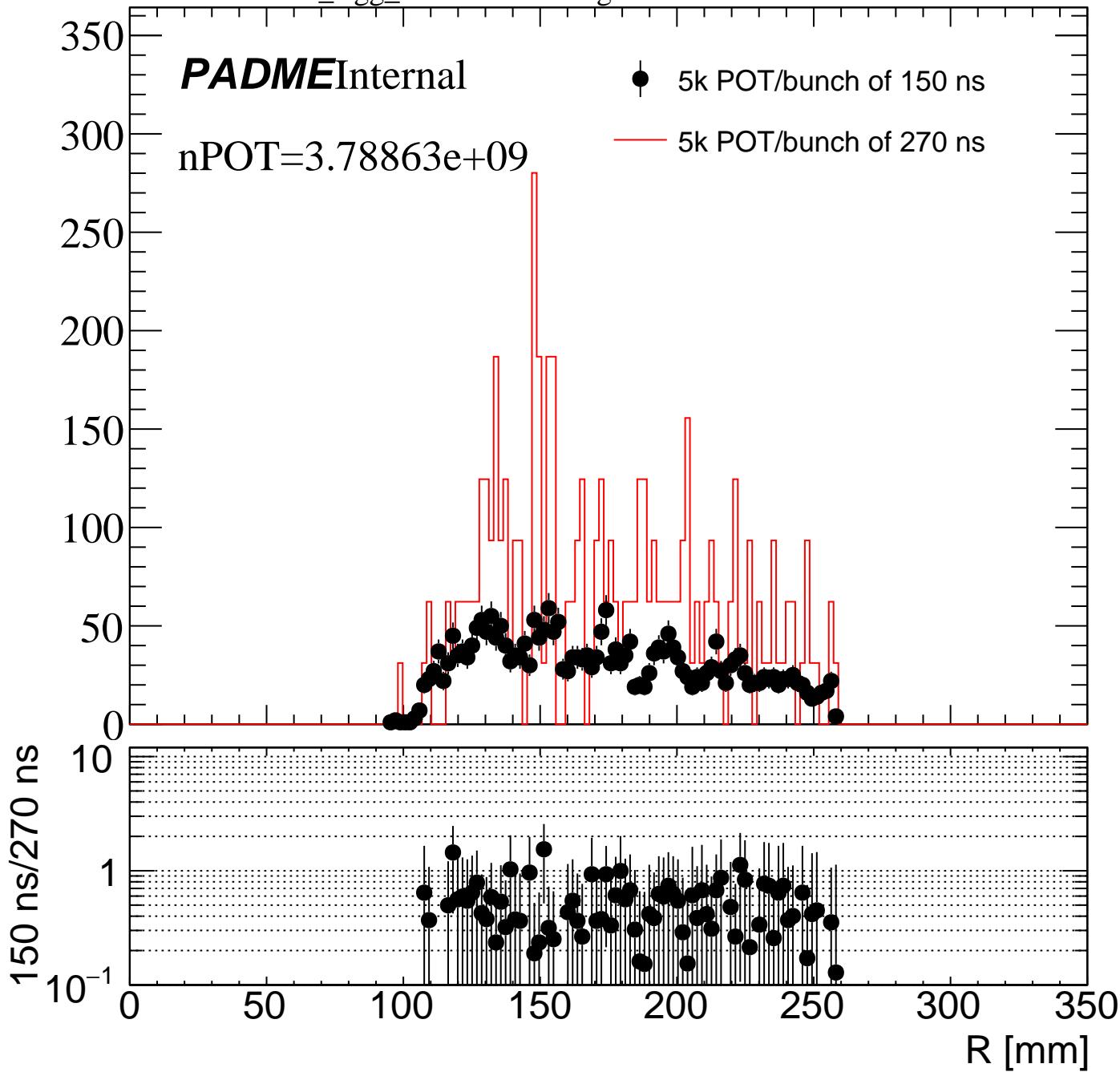
— 5k POT/bunch of 270 ns



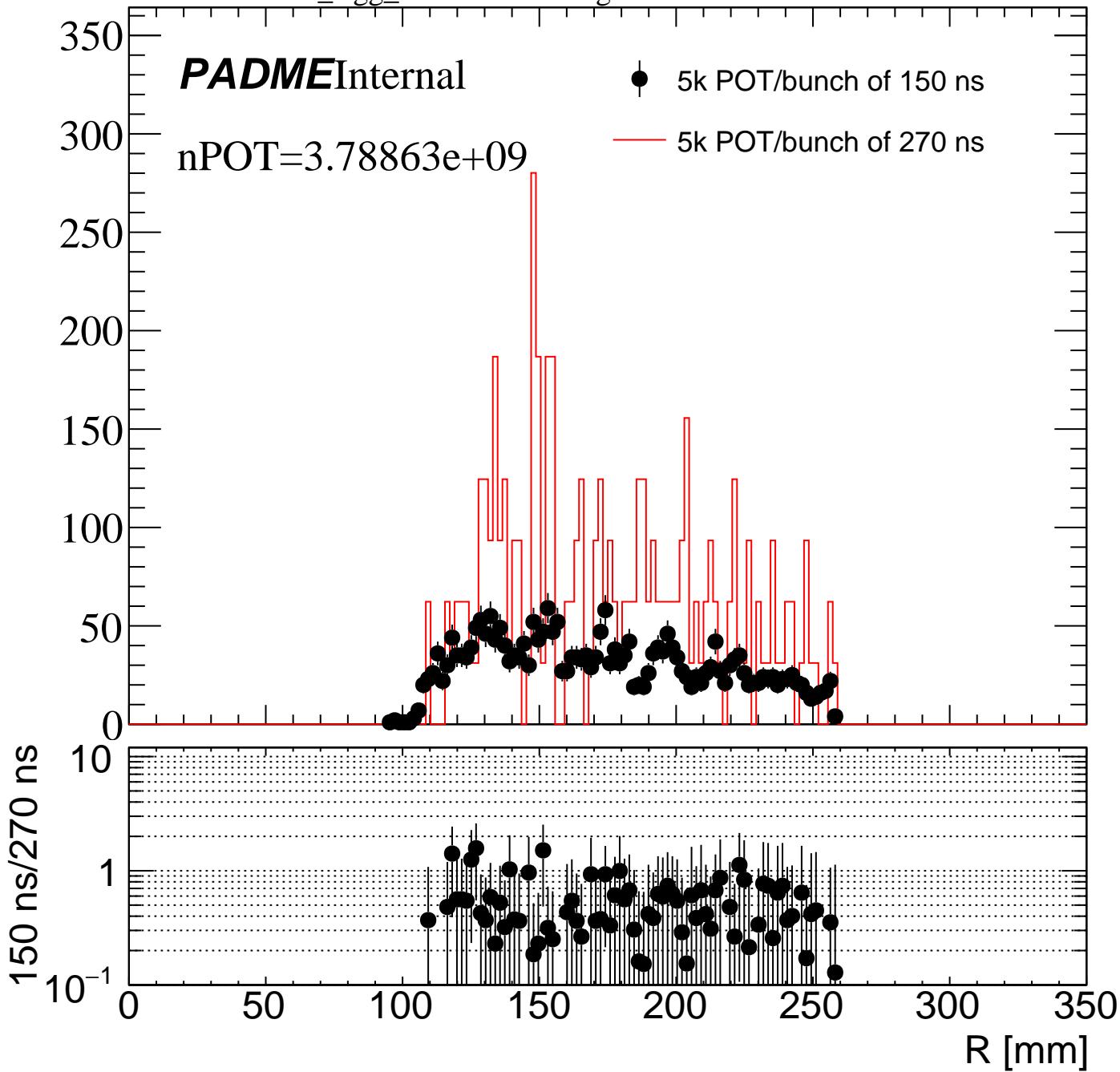
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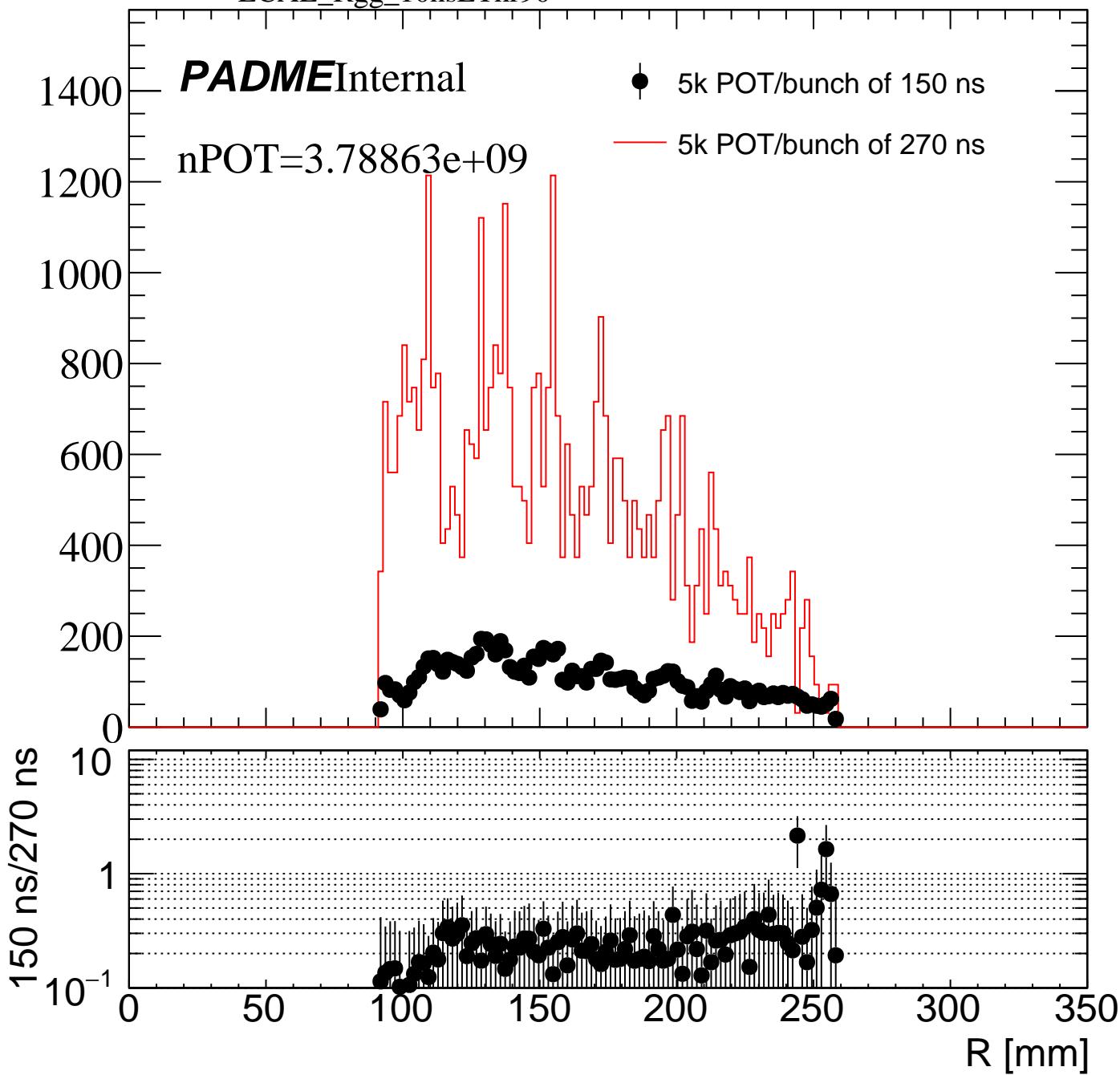
ECAL_Rgg_10ns1CoG20DegreeUnderPeak



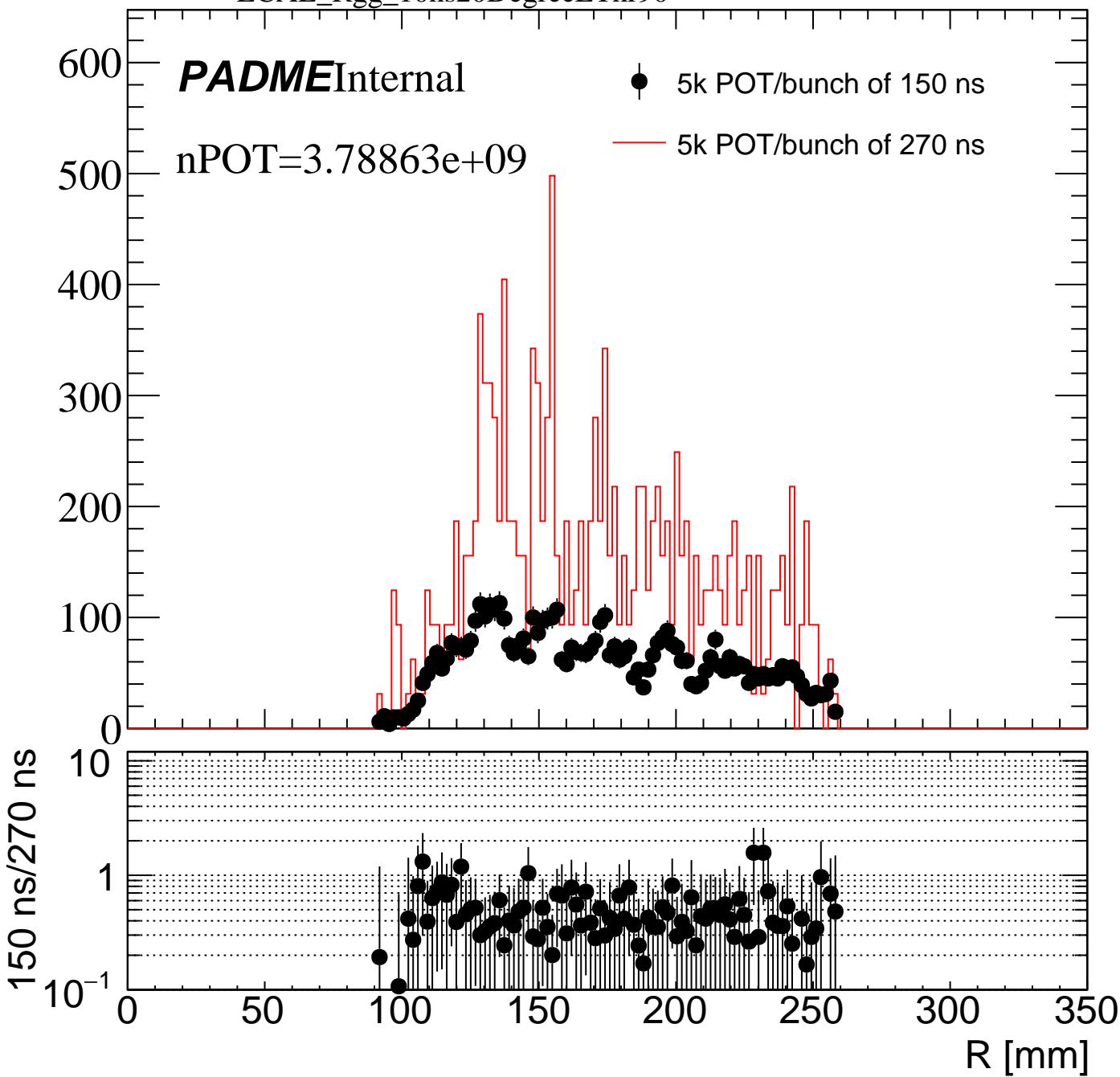
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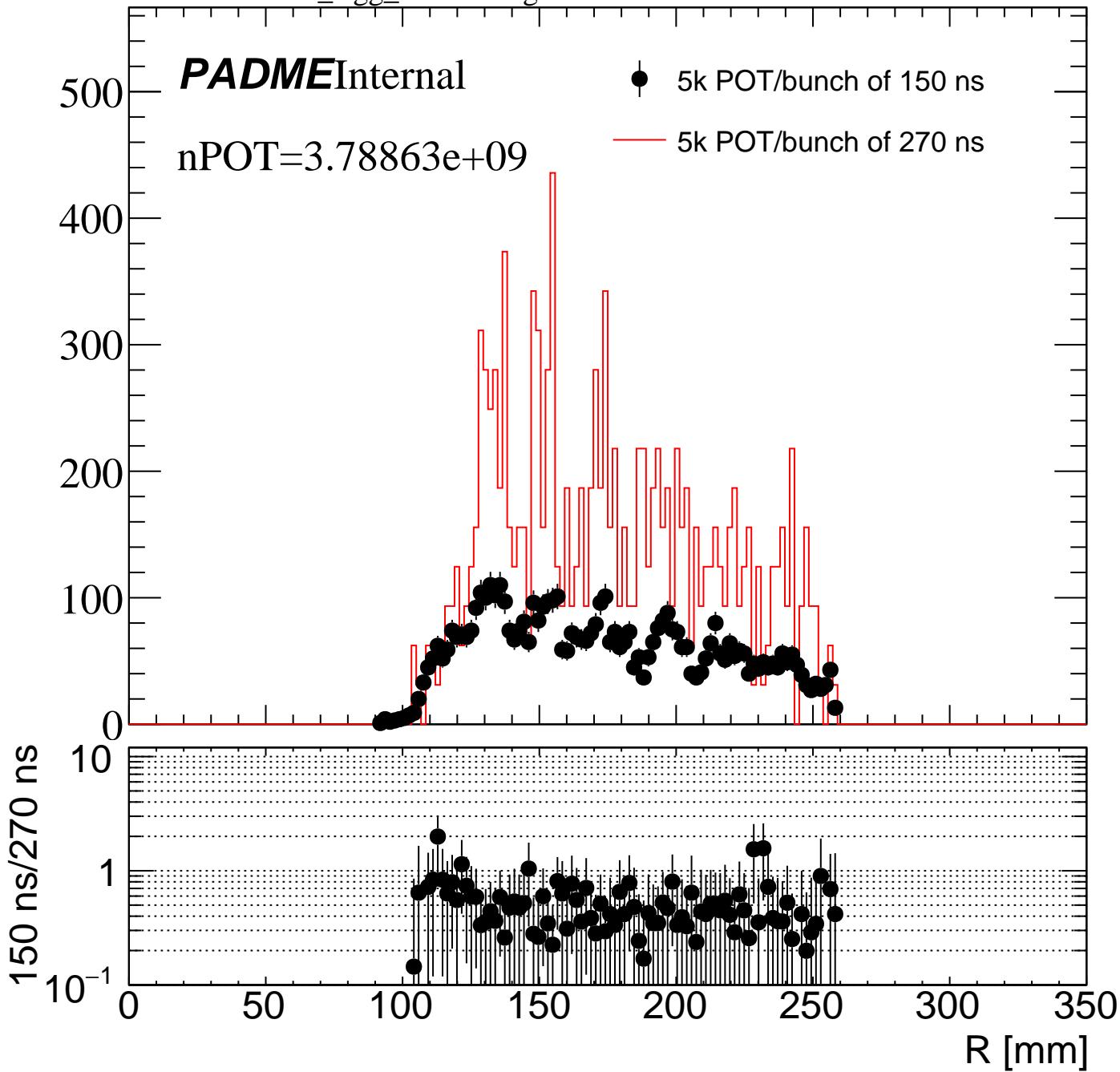
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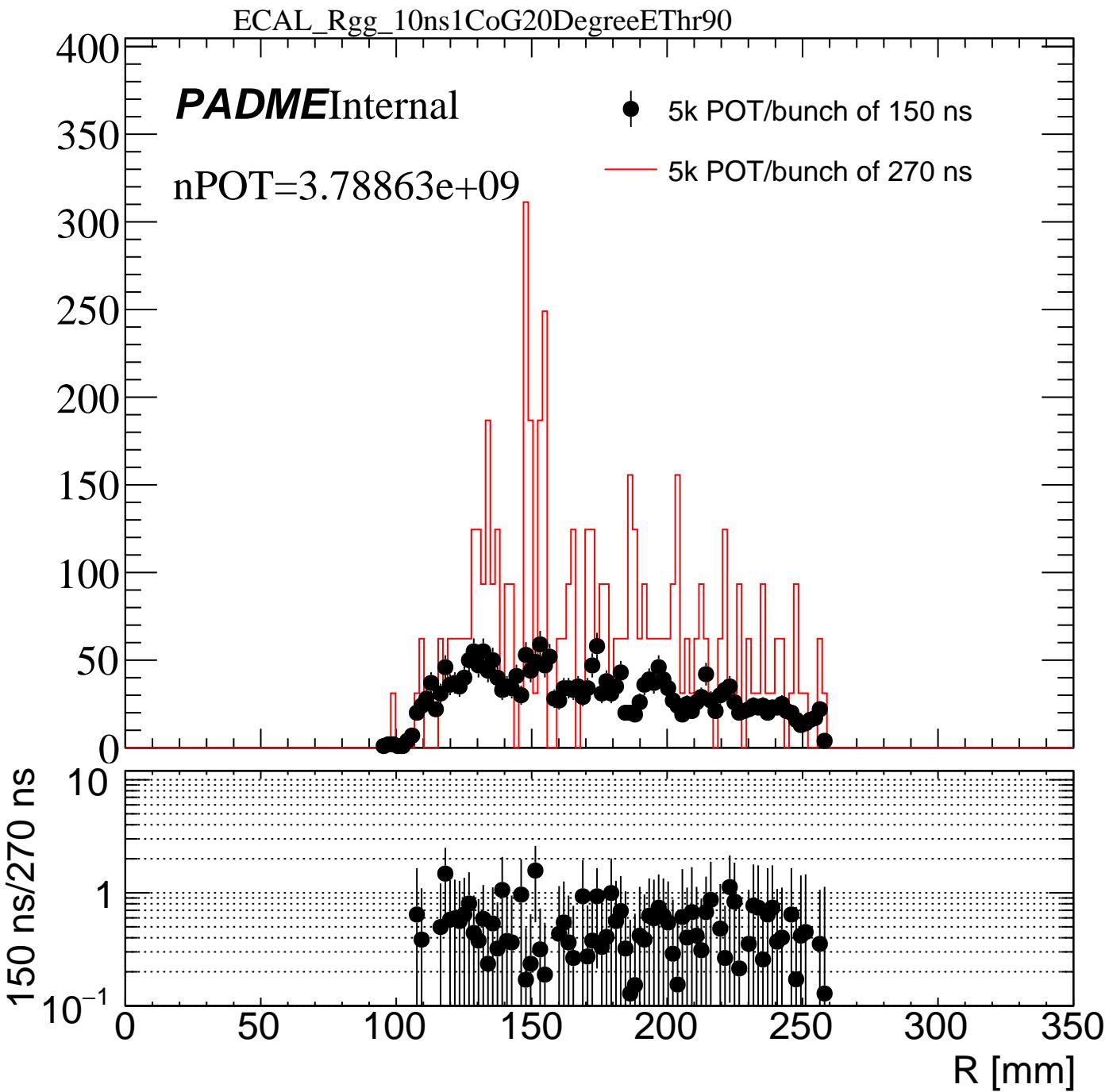


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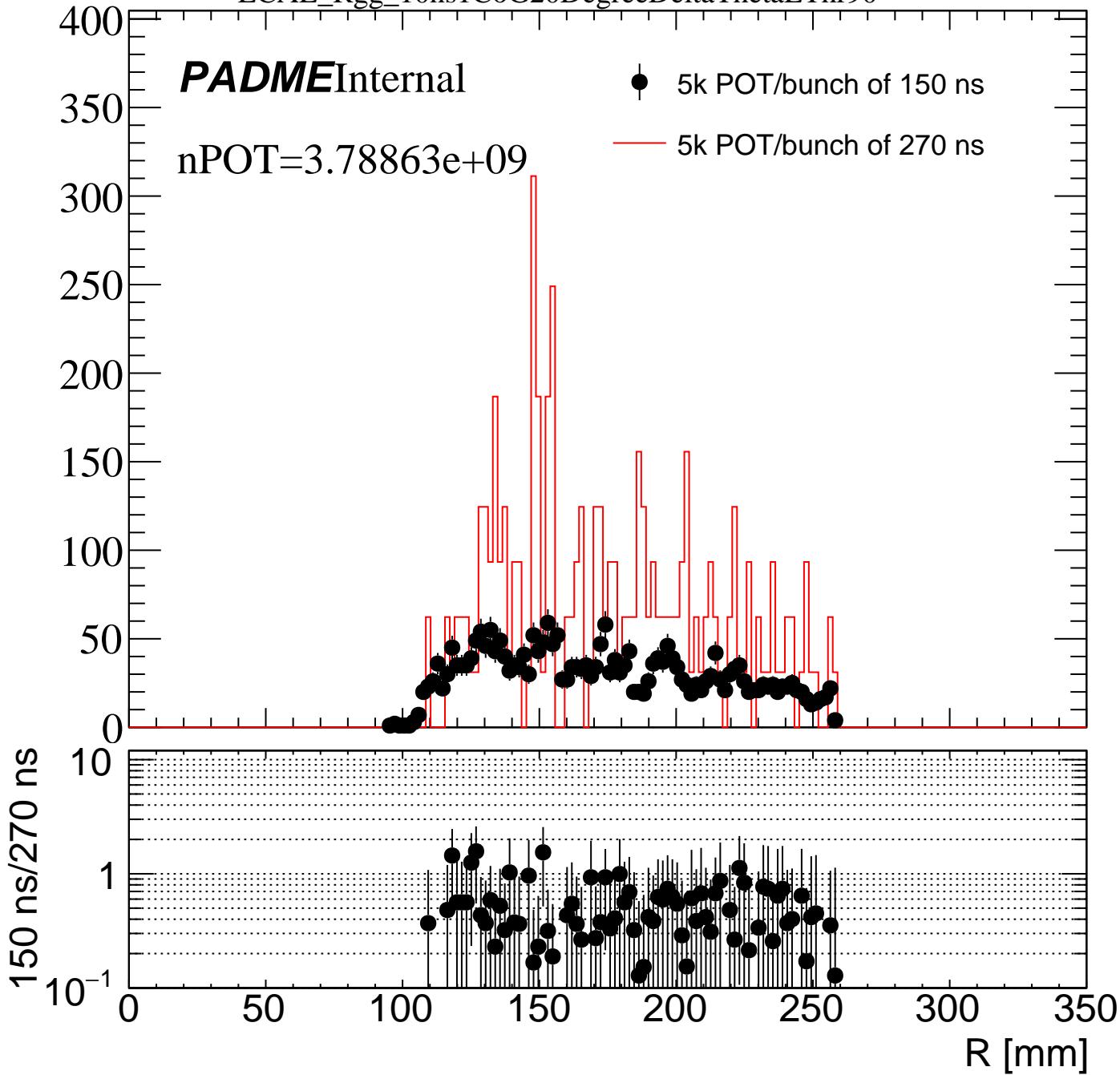


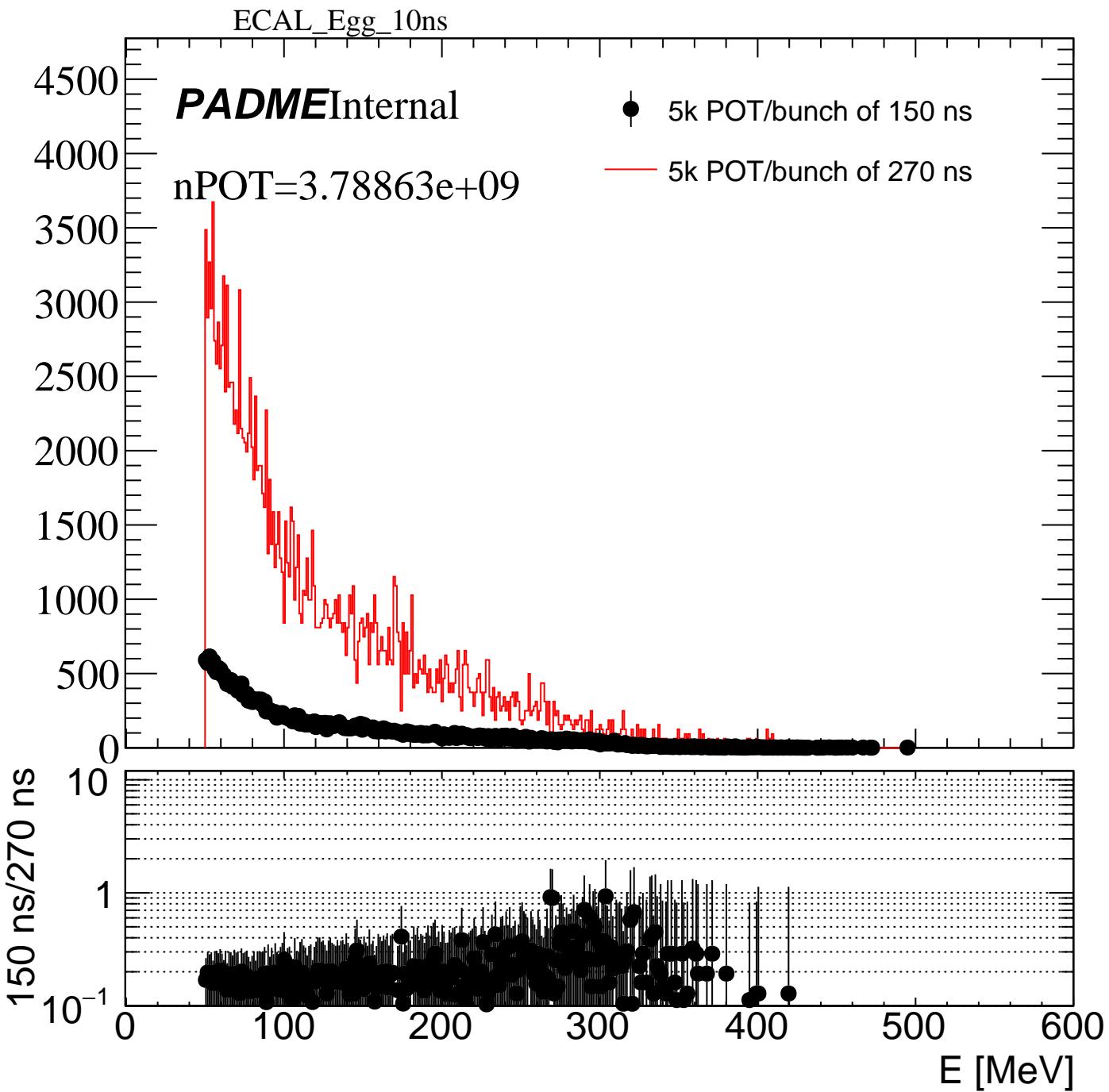
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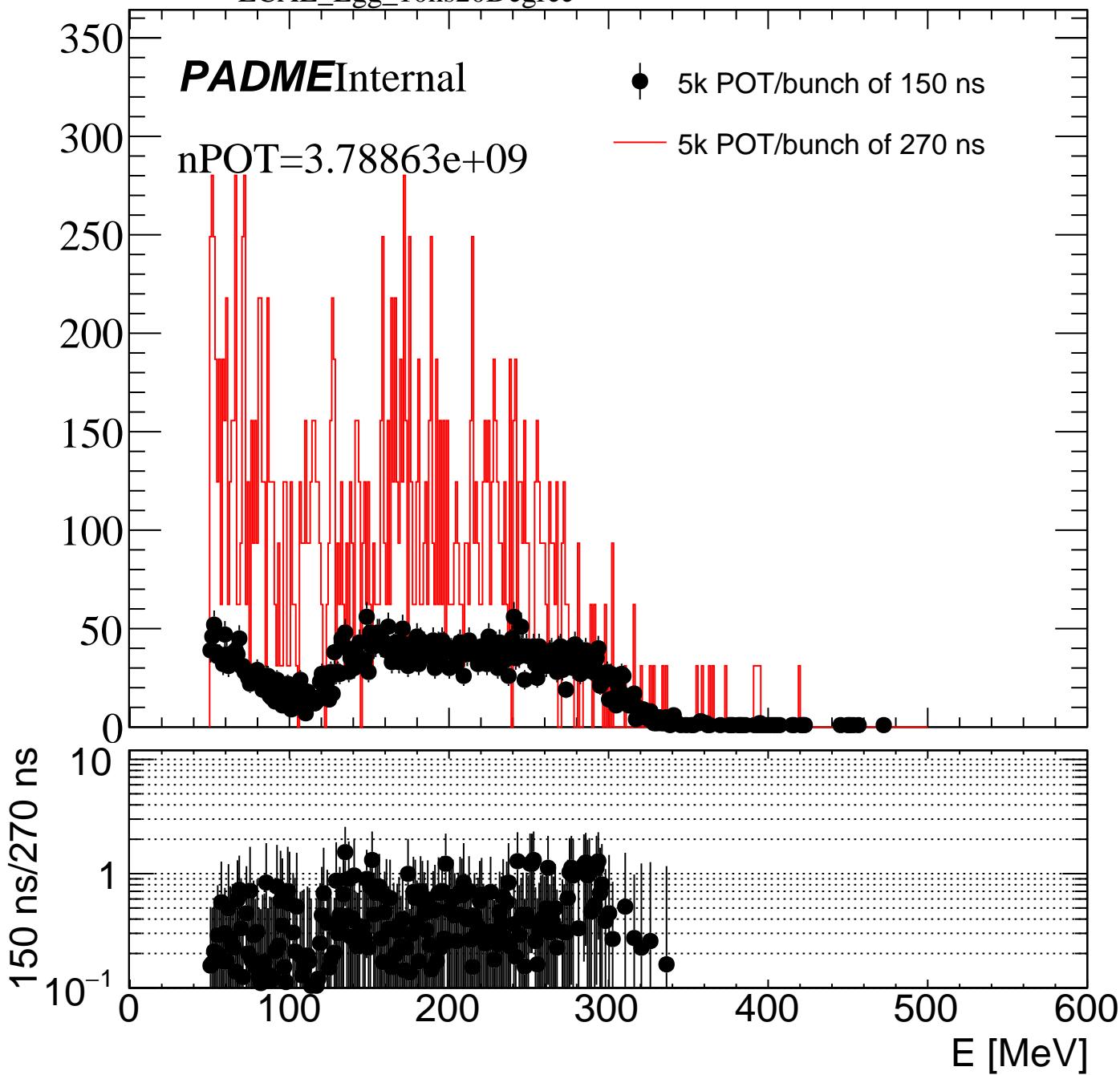


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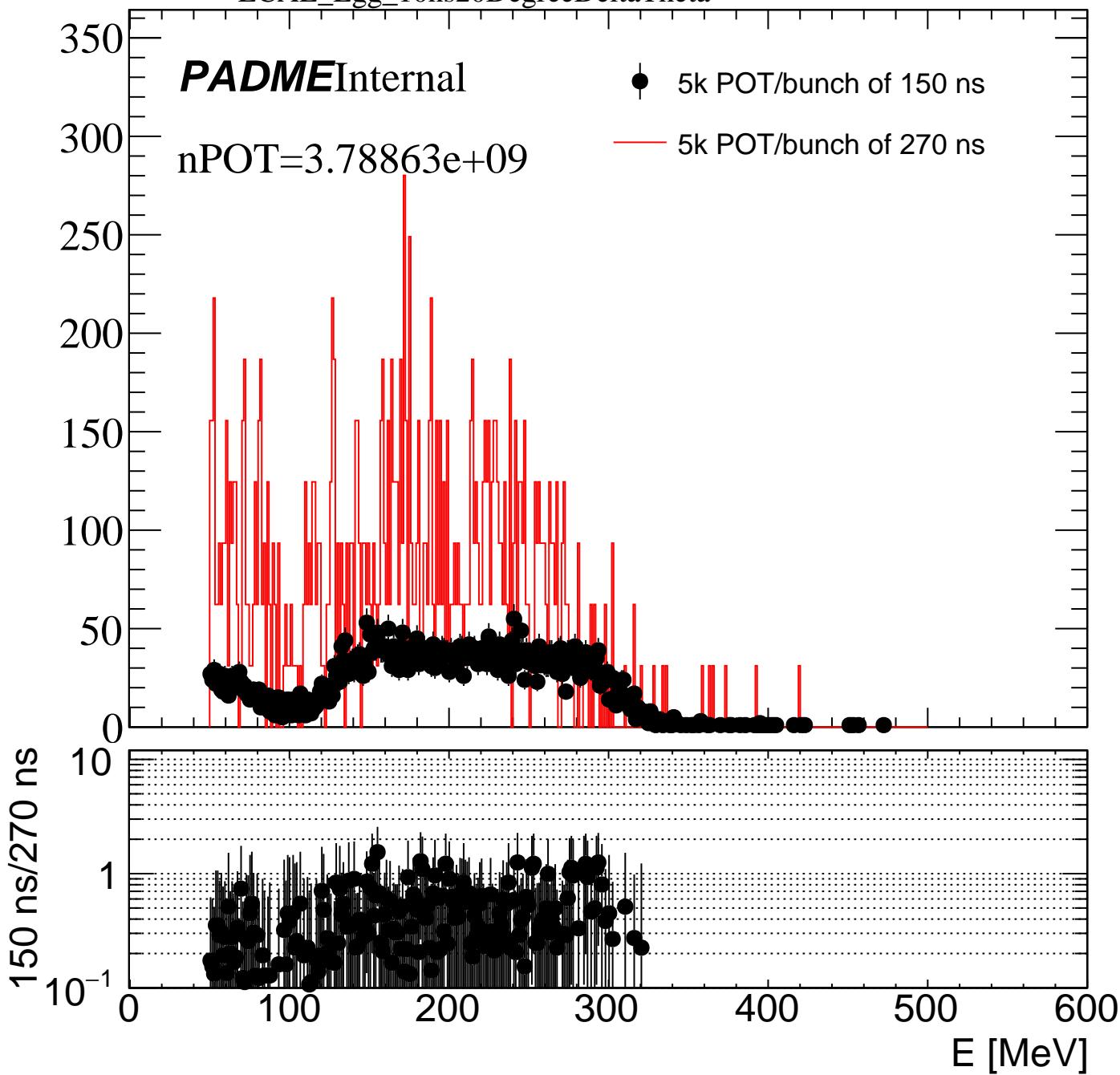


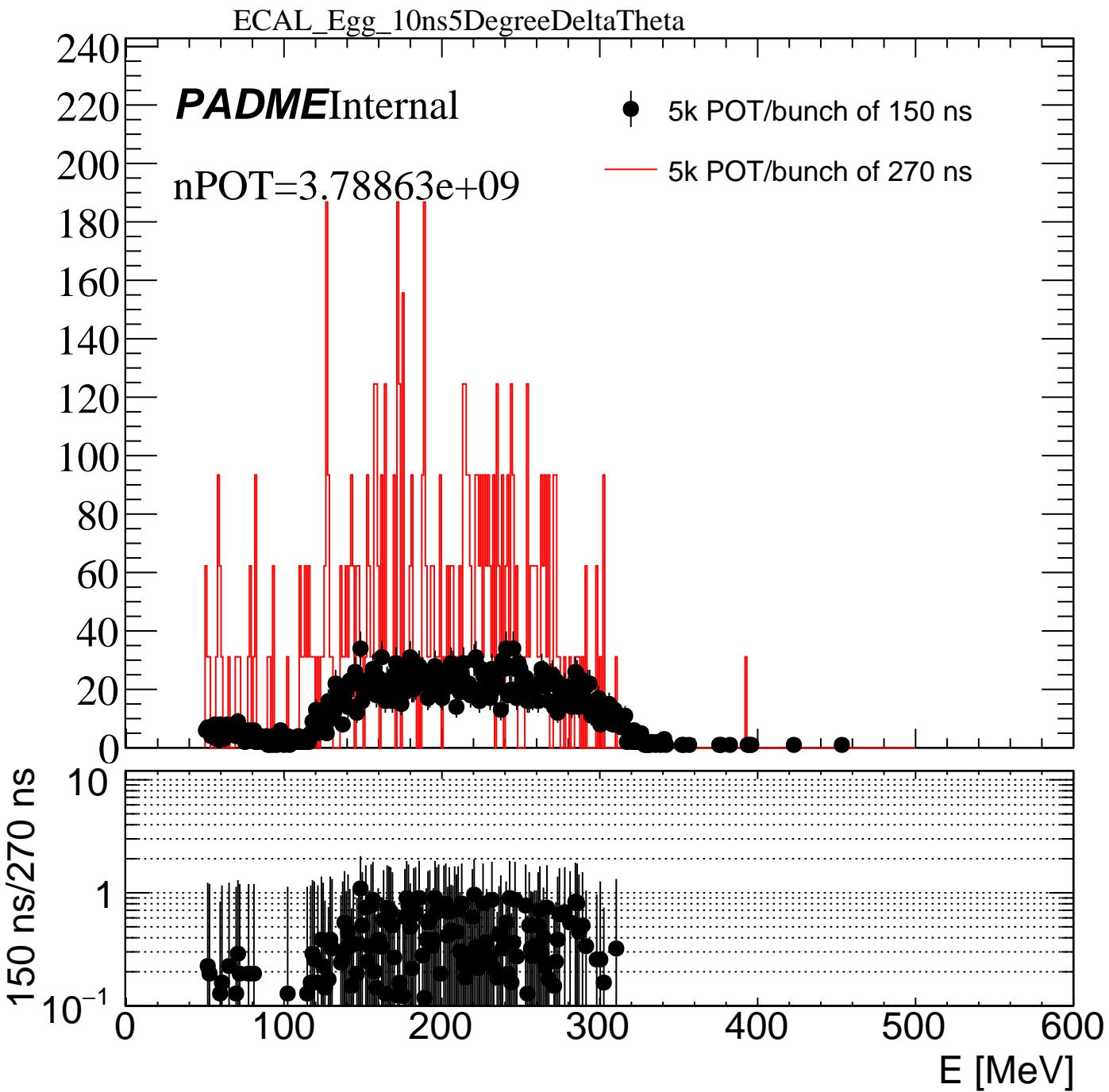


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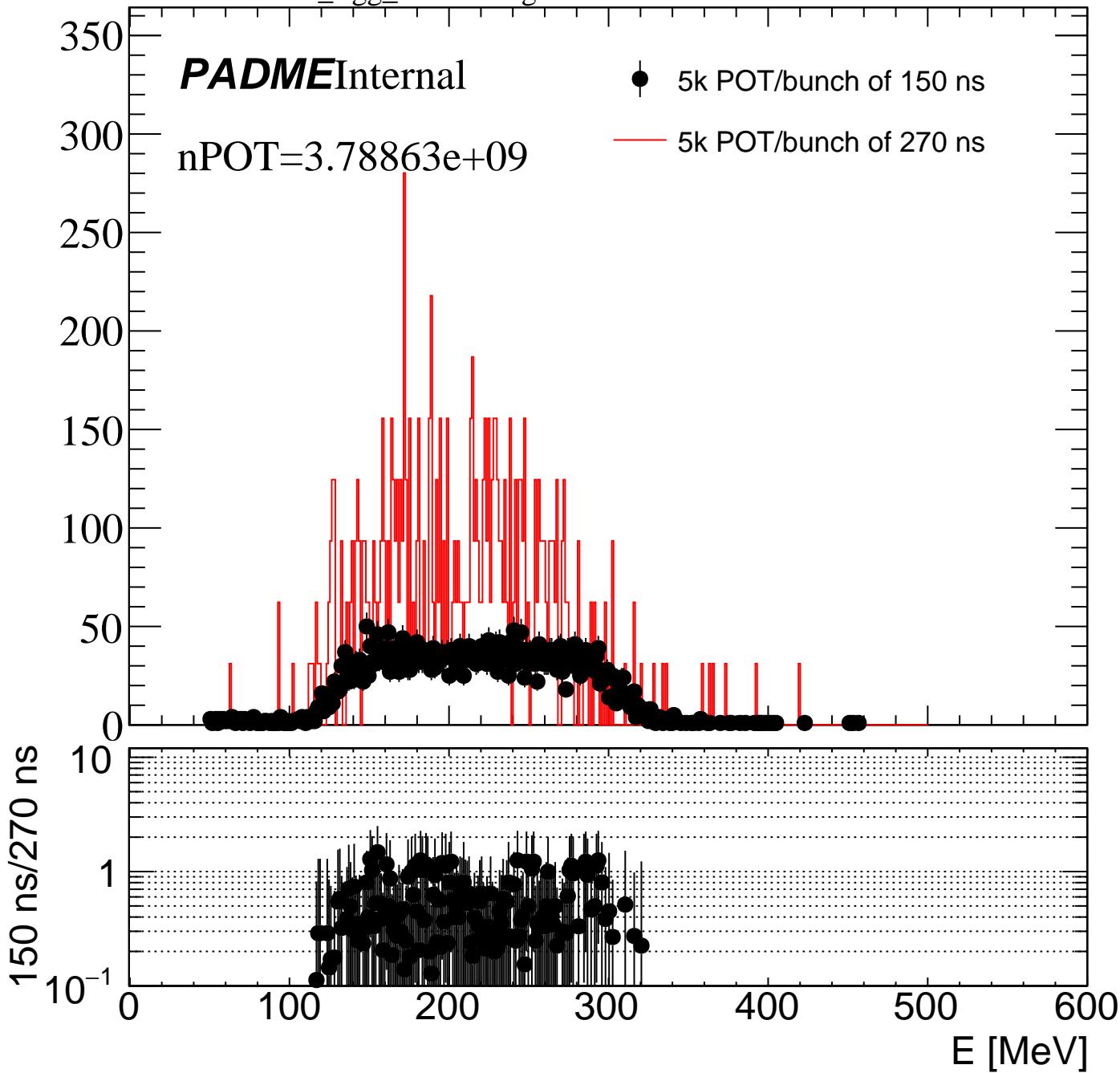


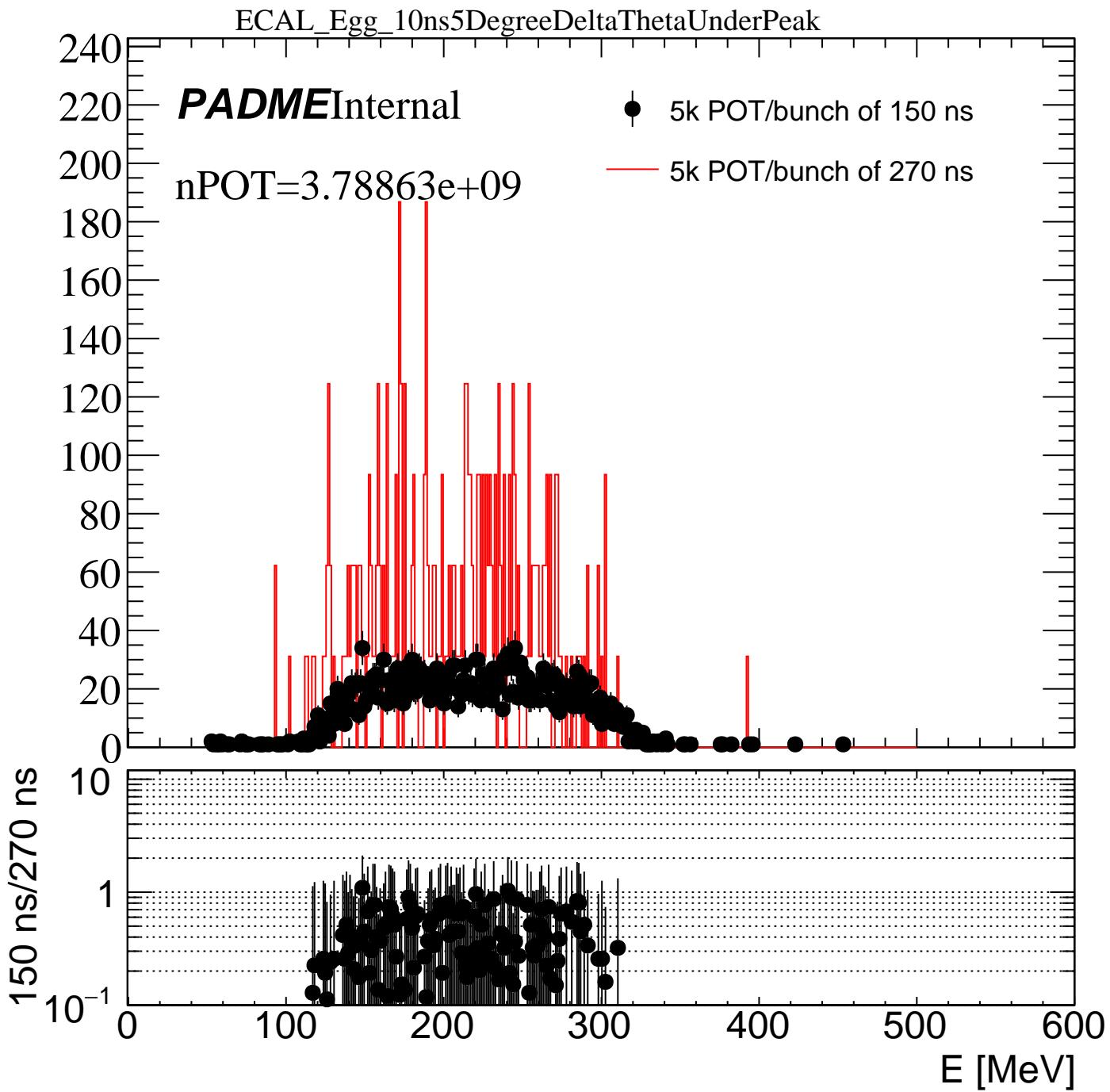
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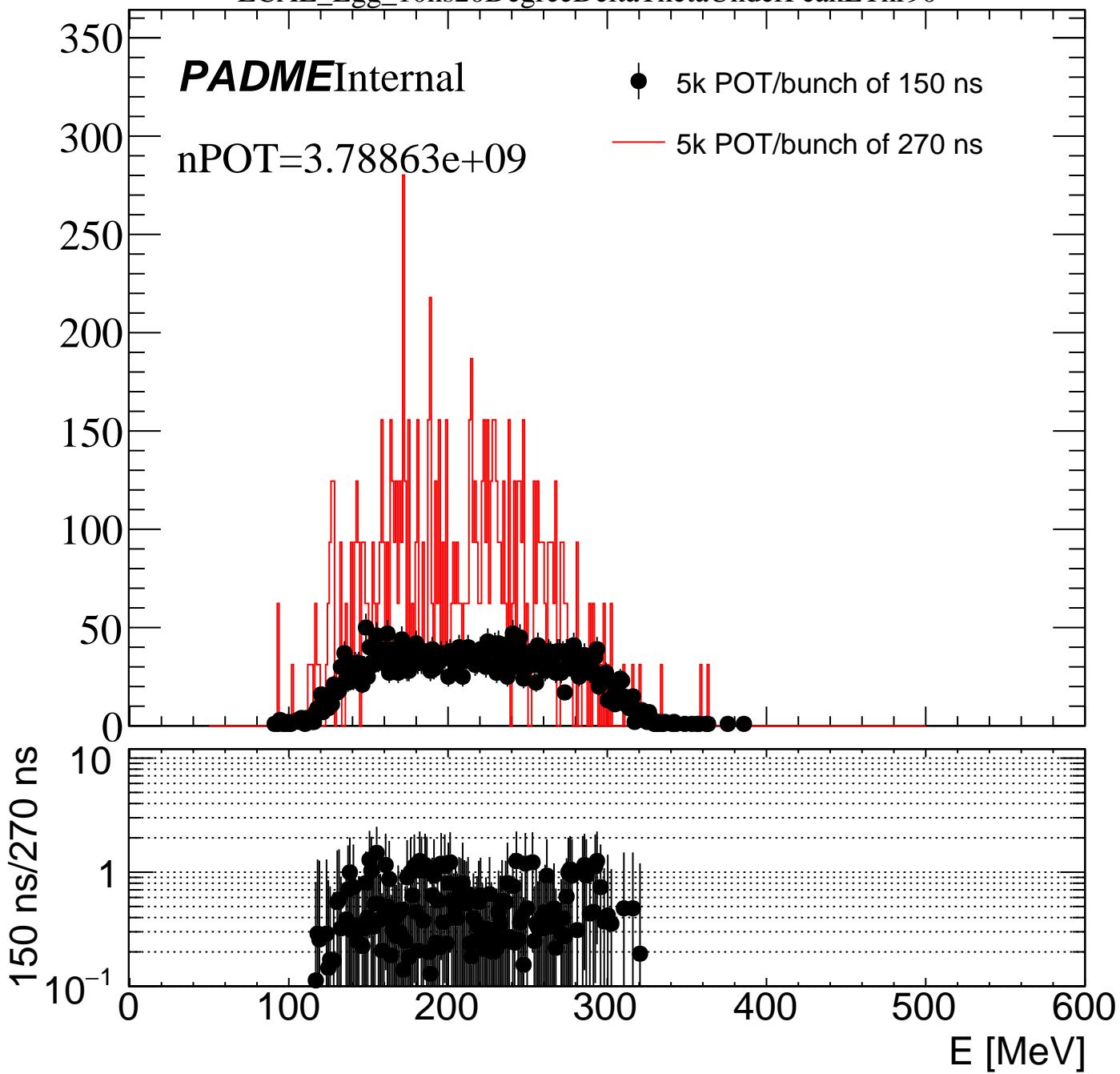


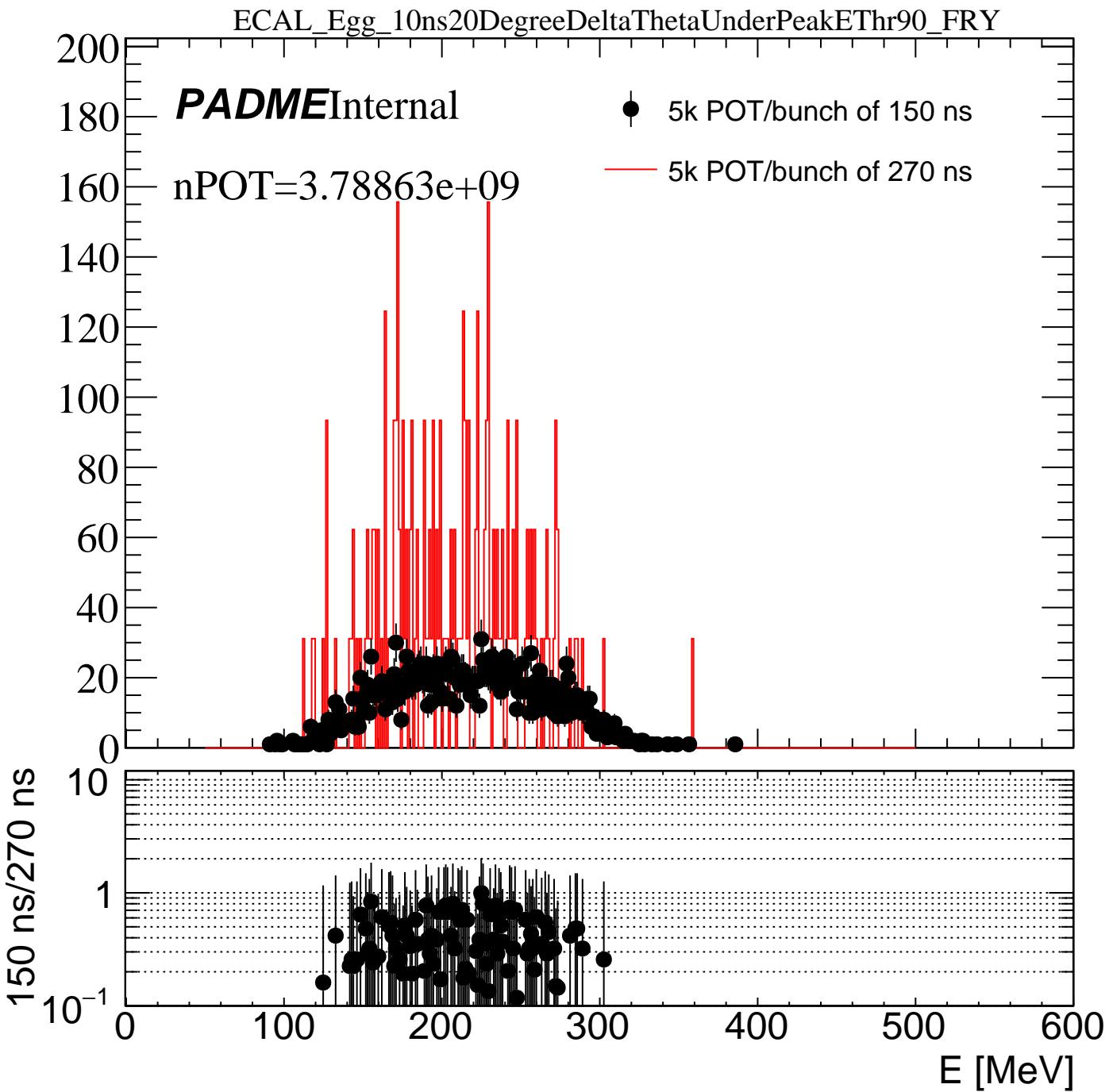
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak



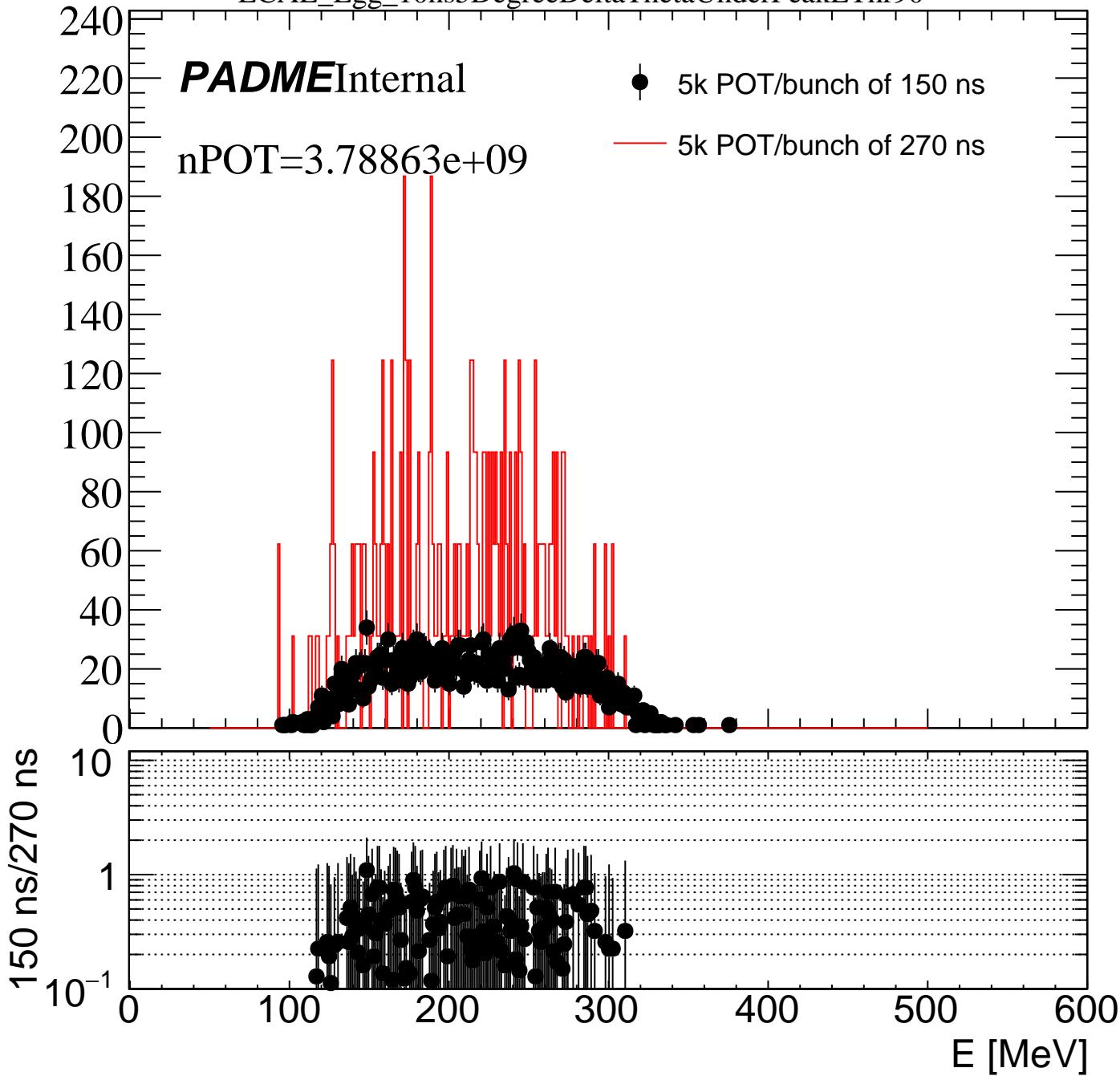


ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90

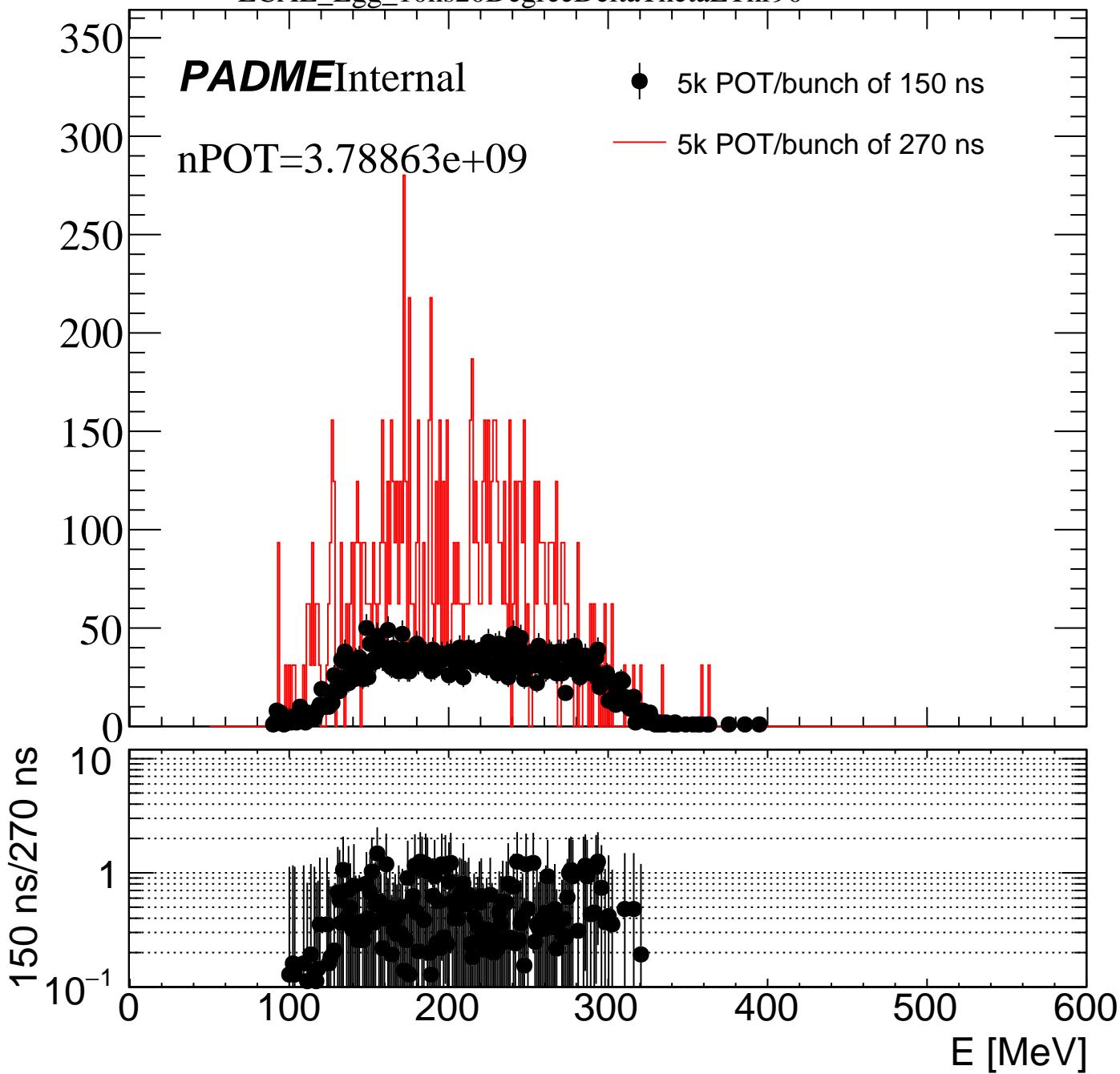


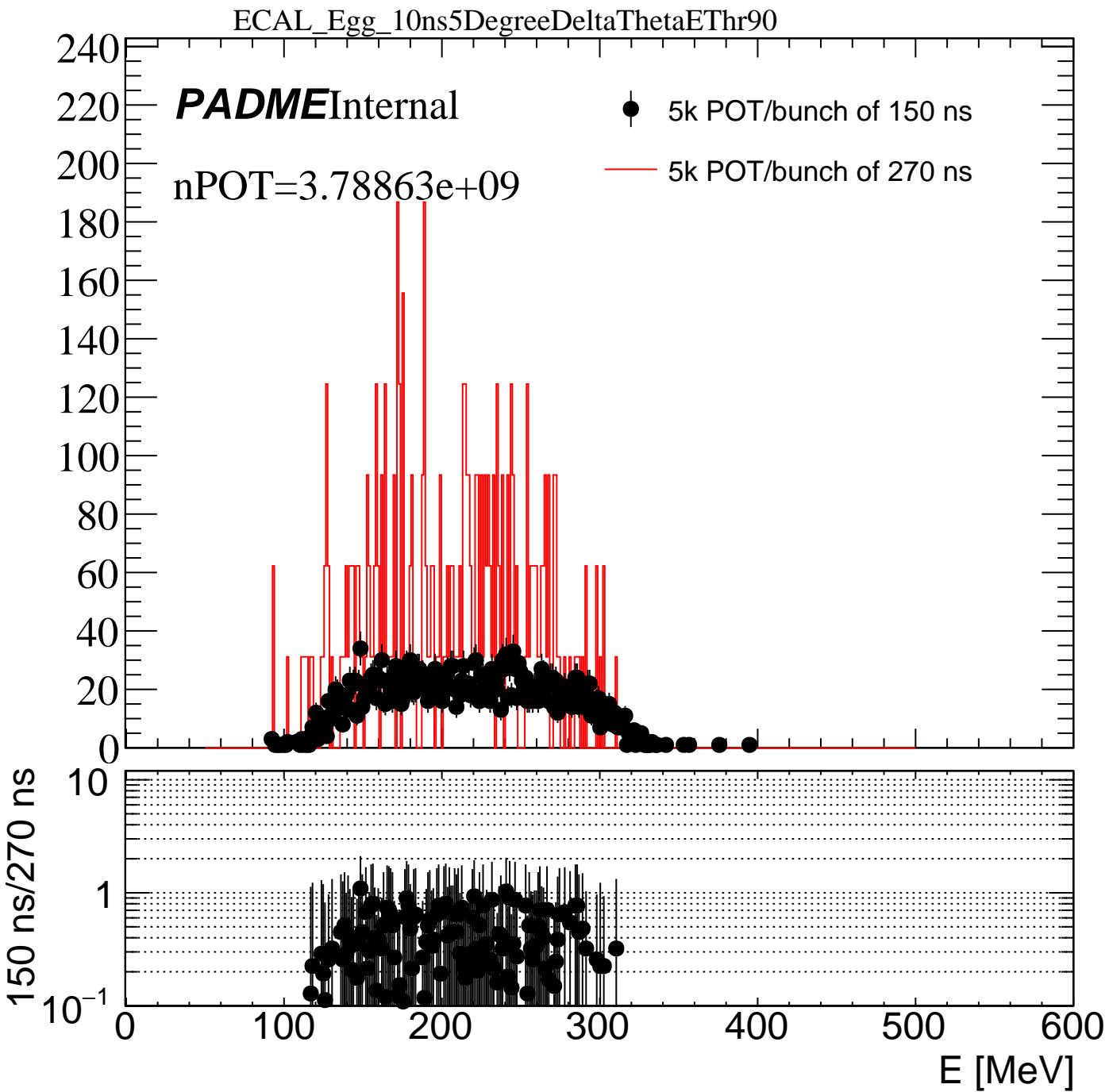


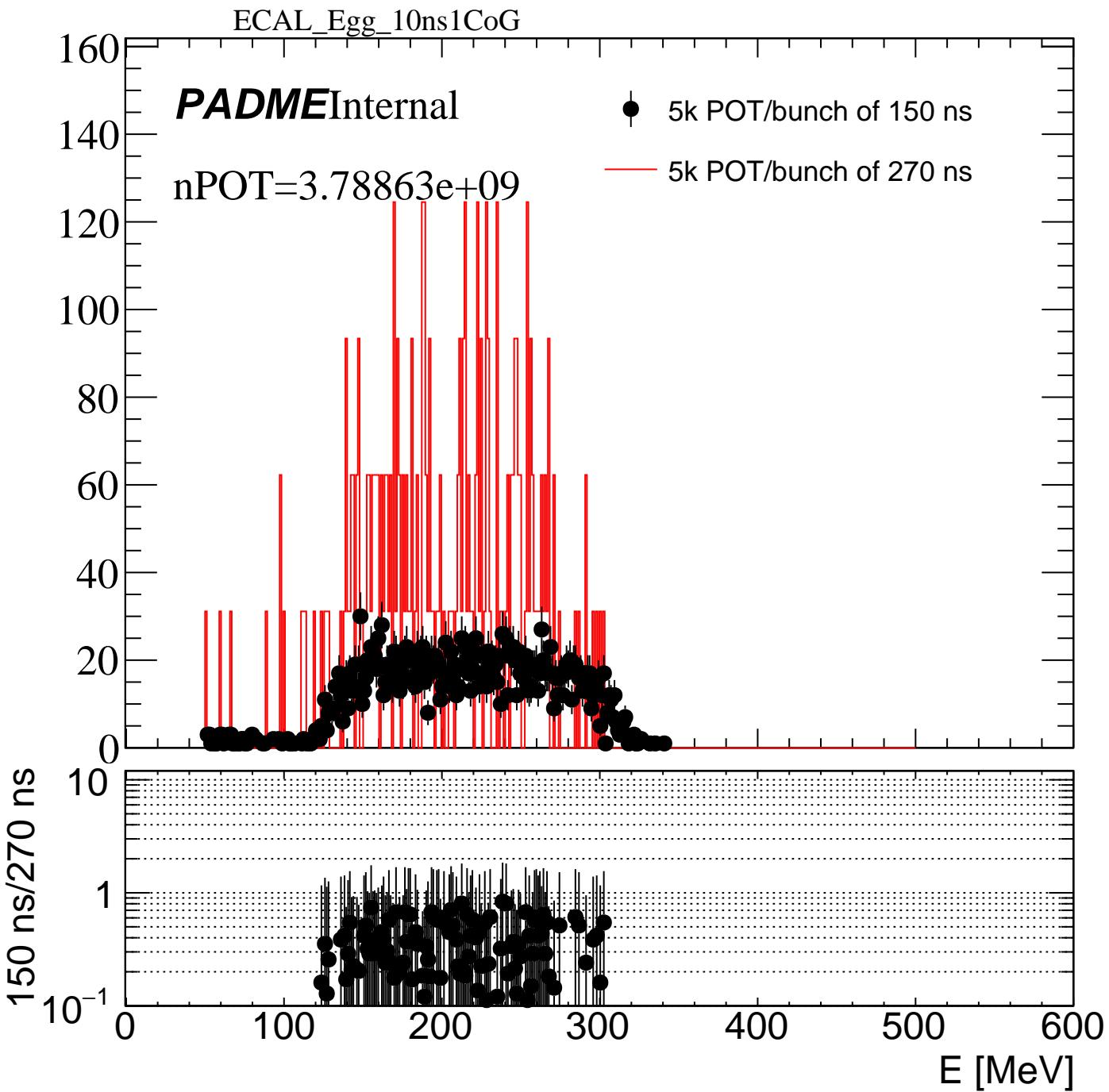
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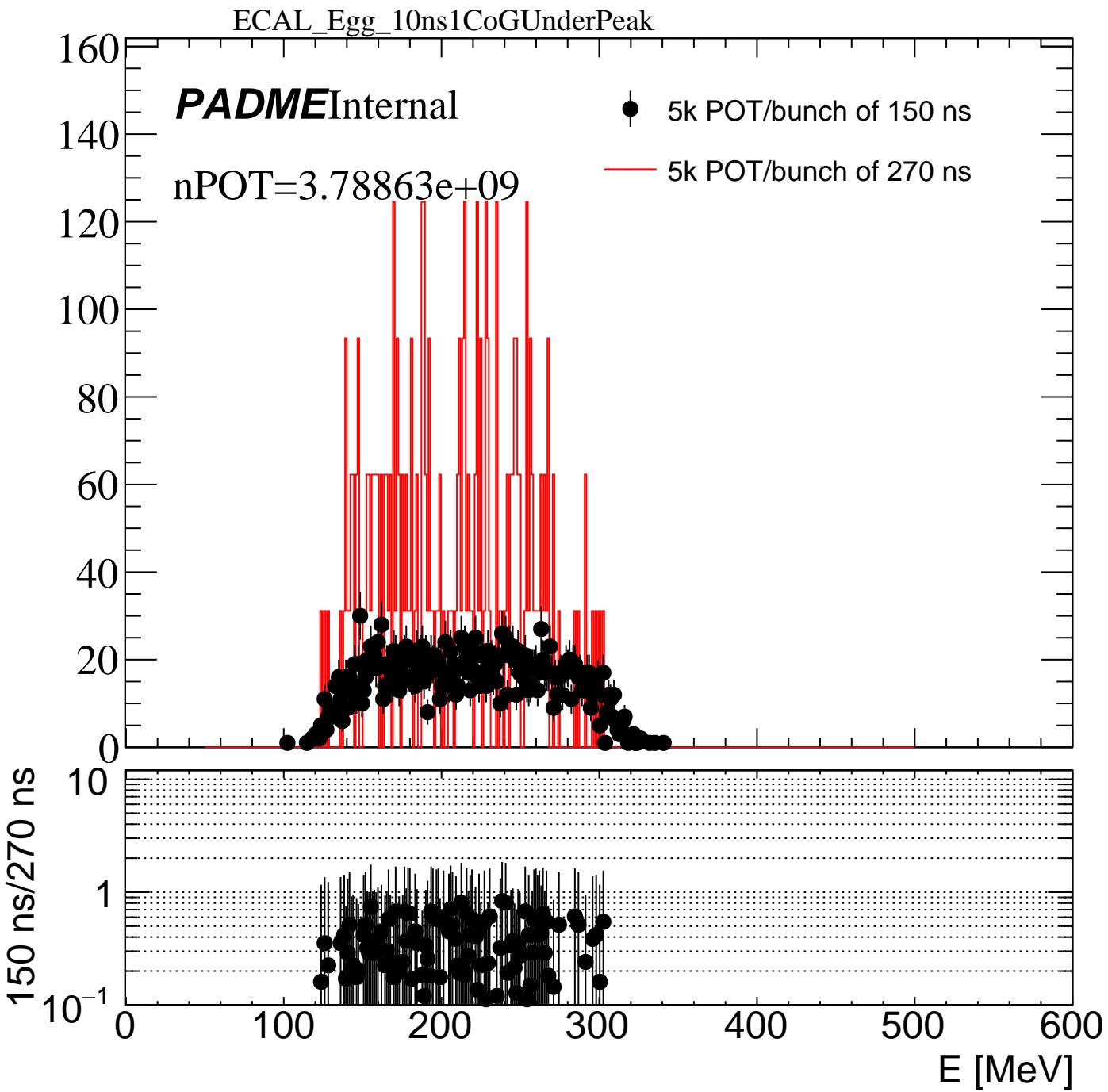


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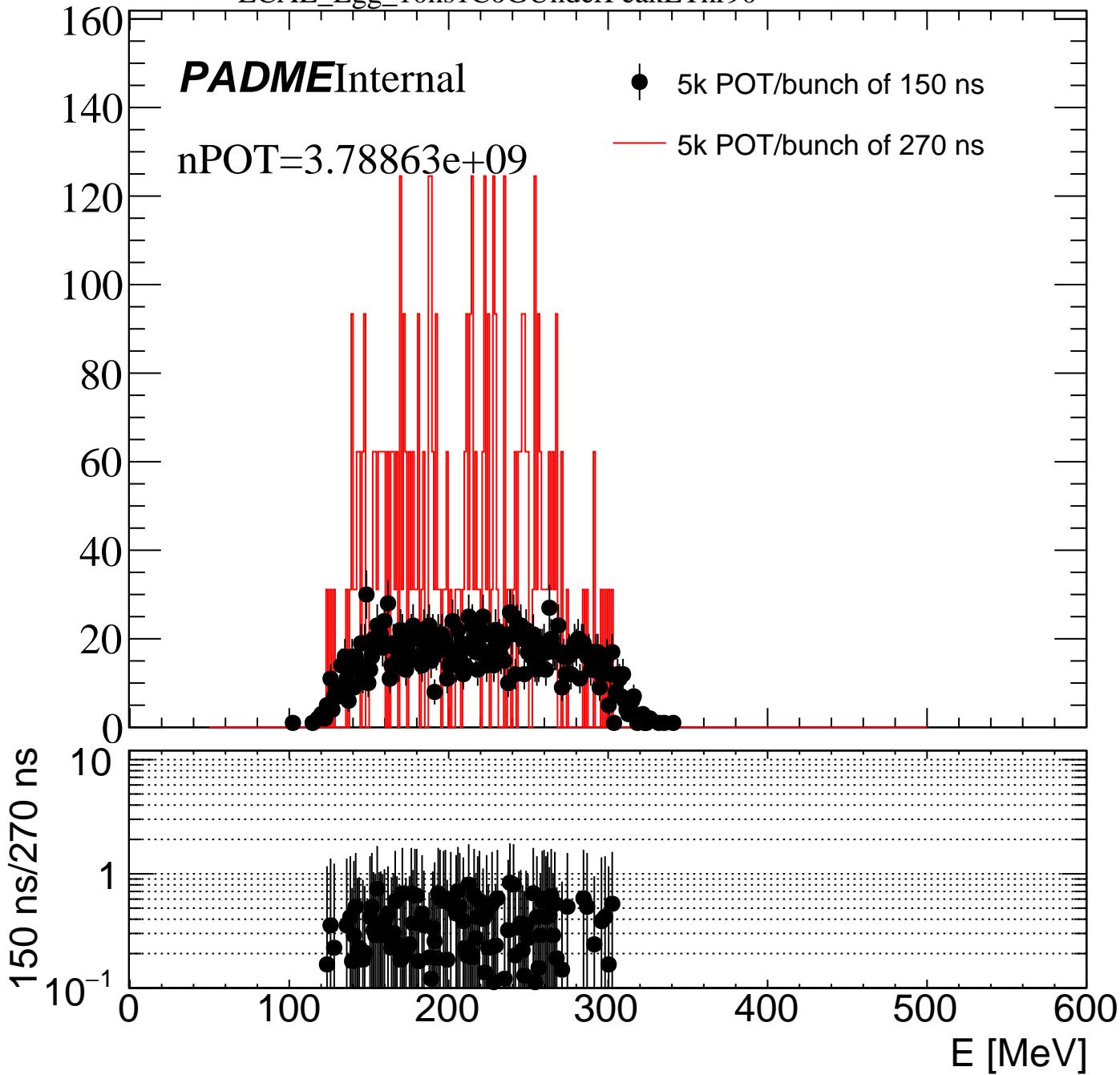


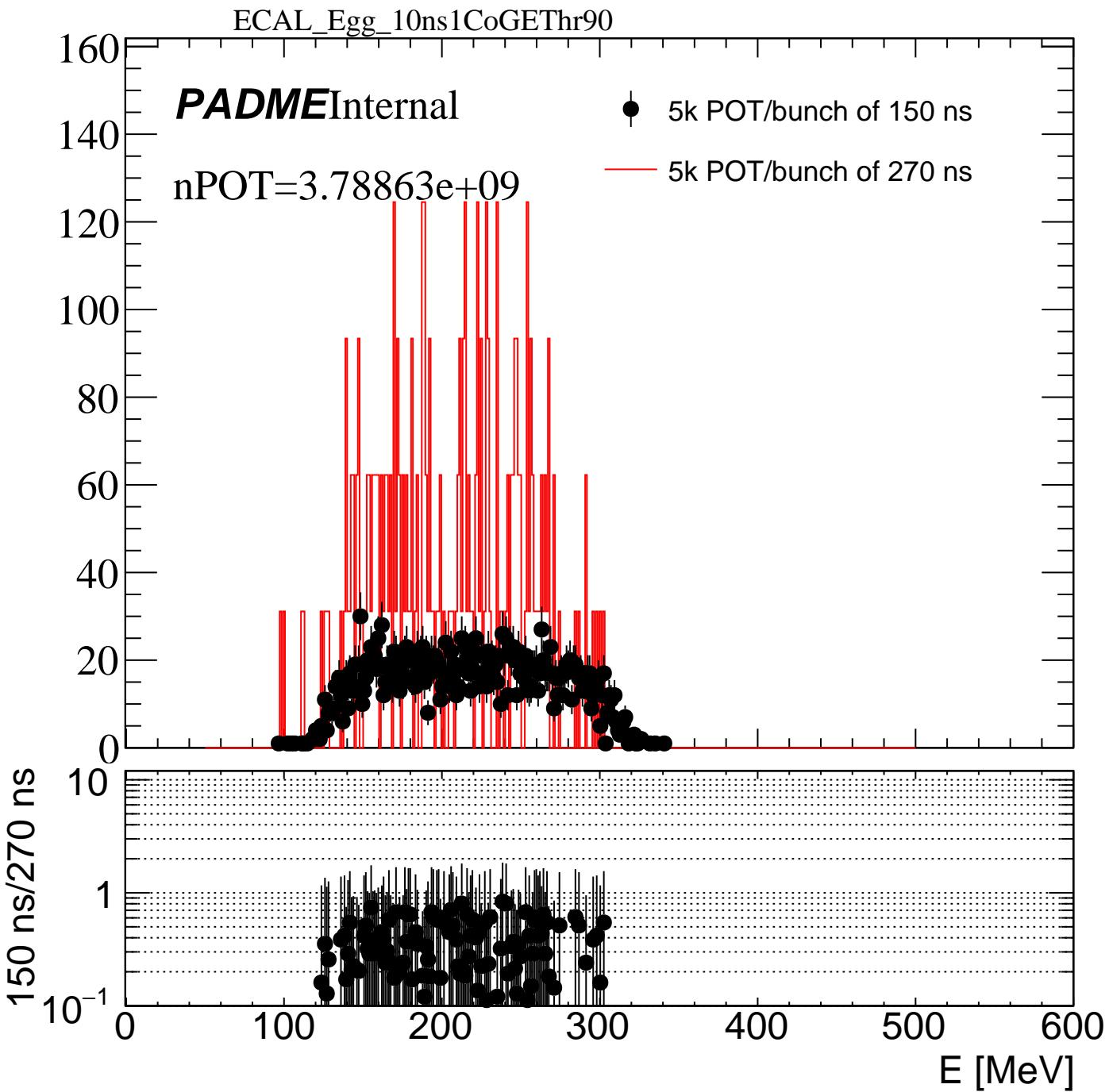


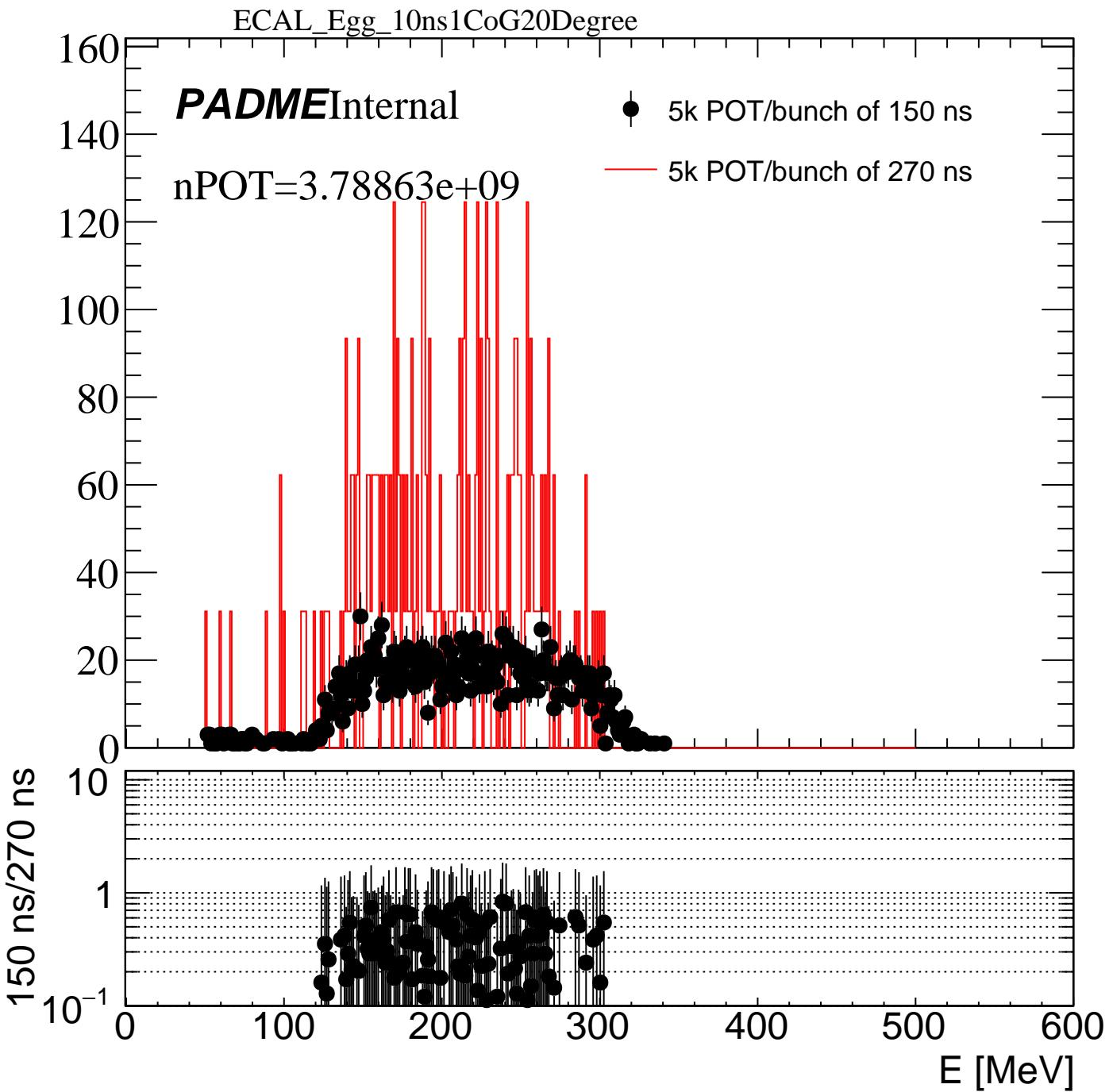


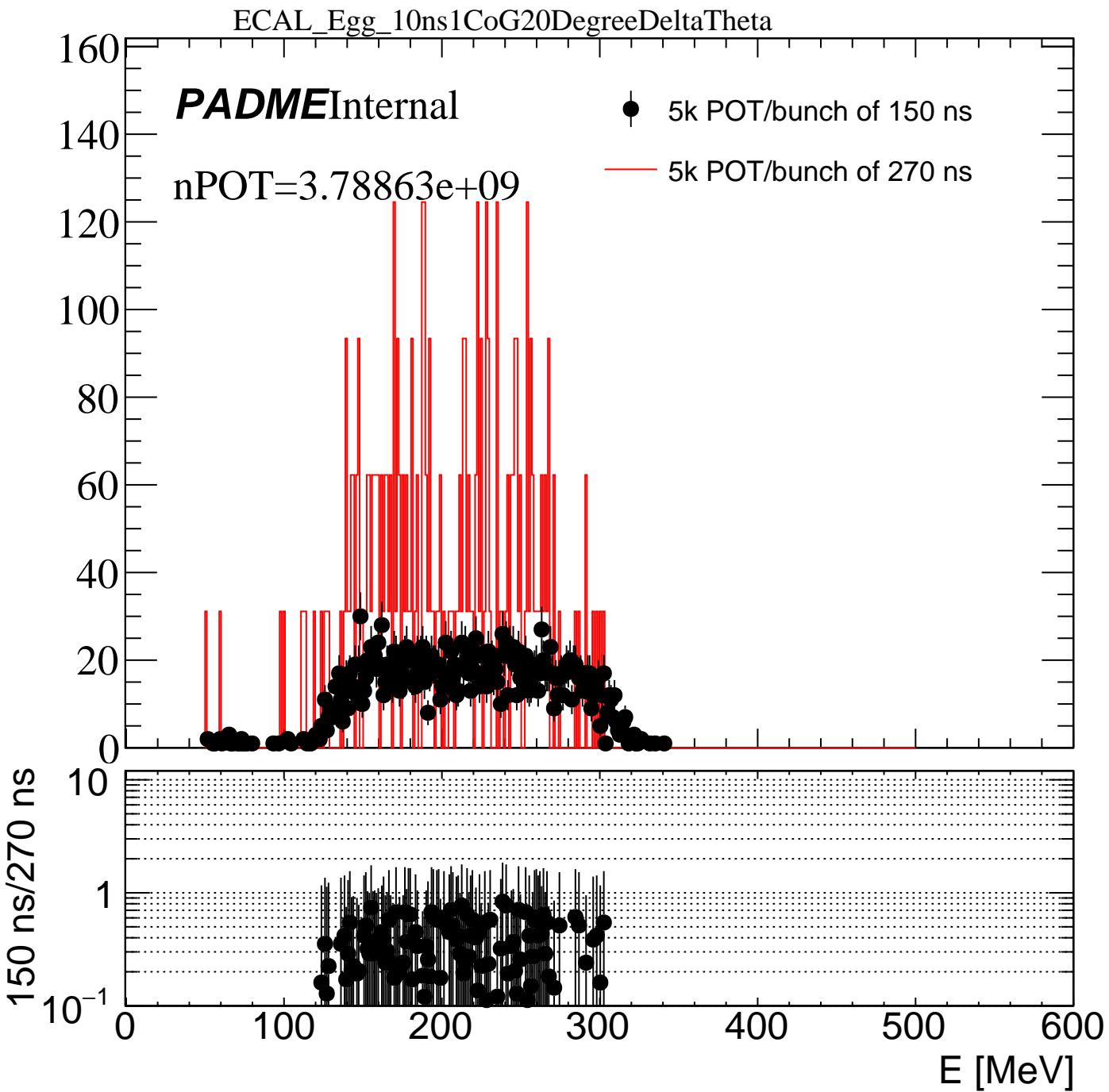


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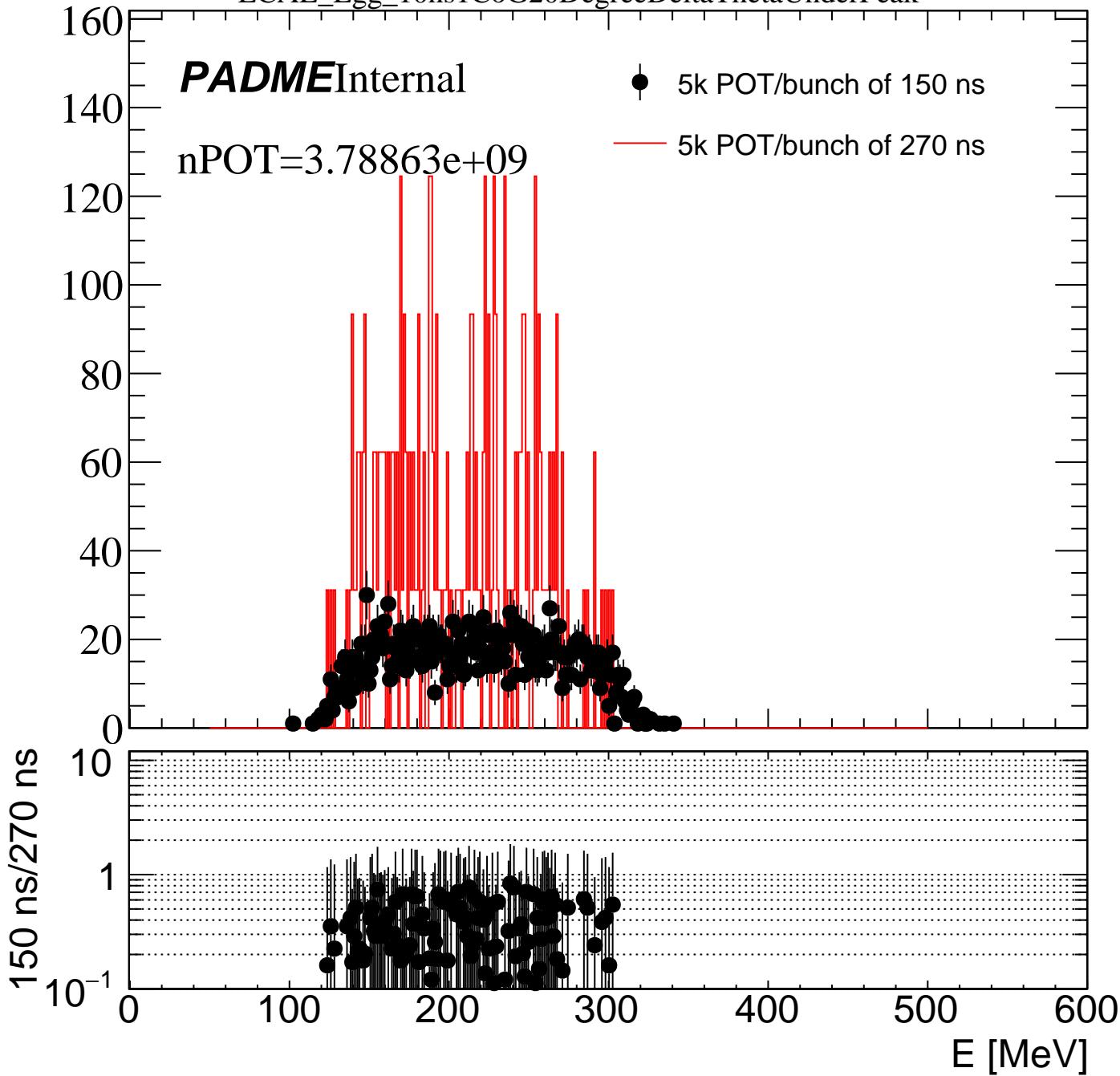




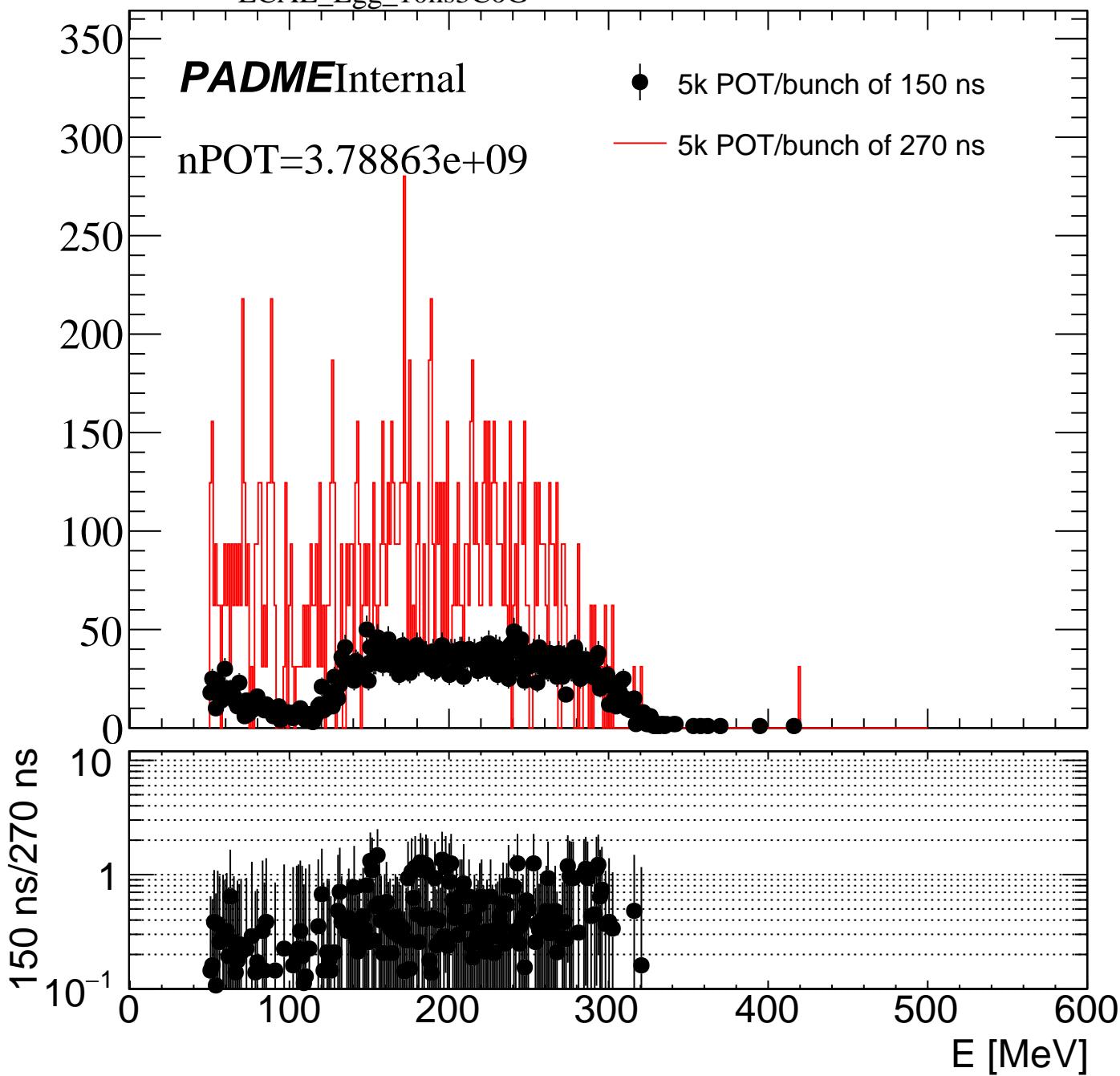




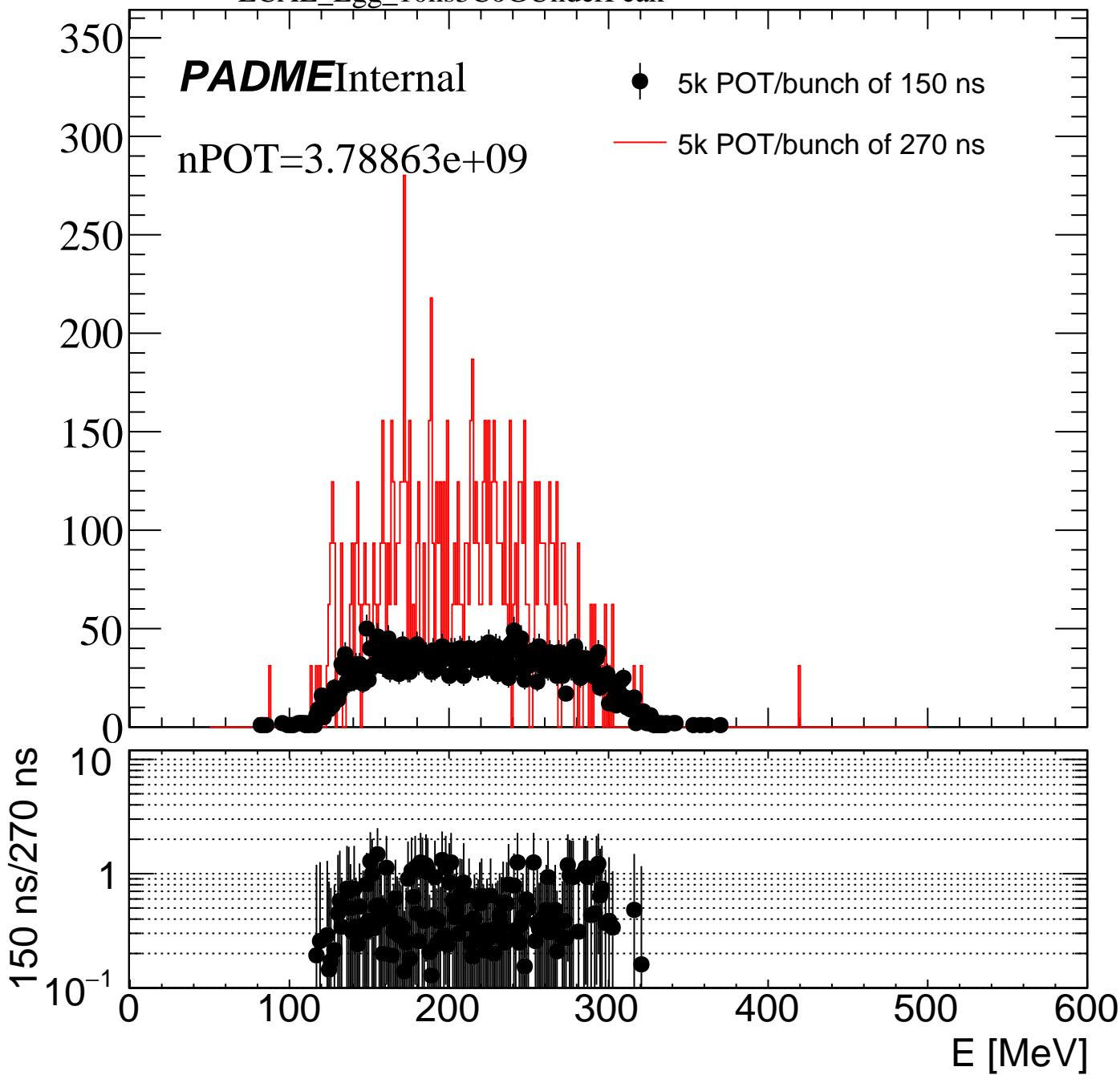
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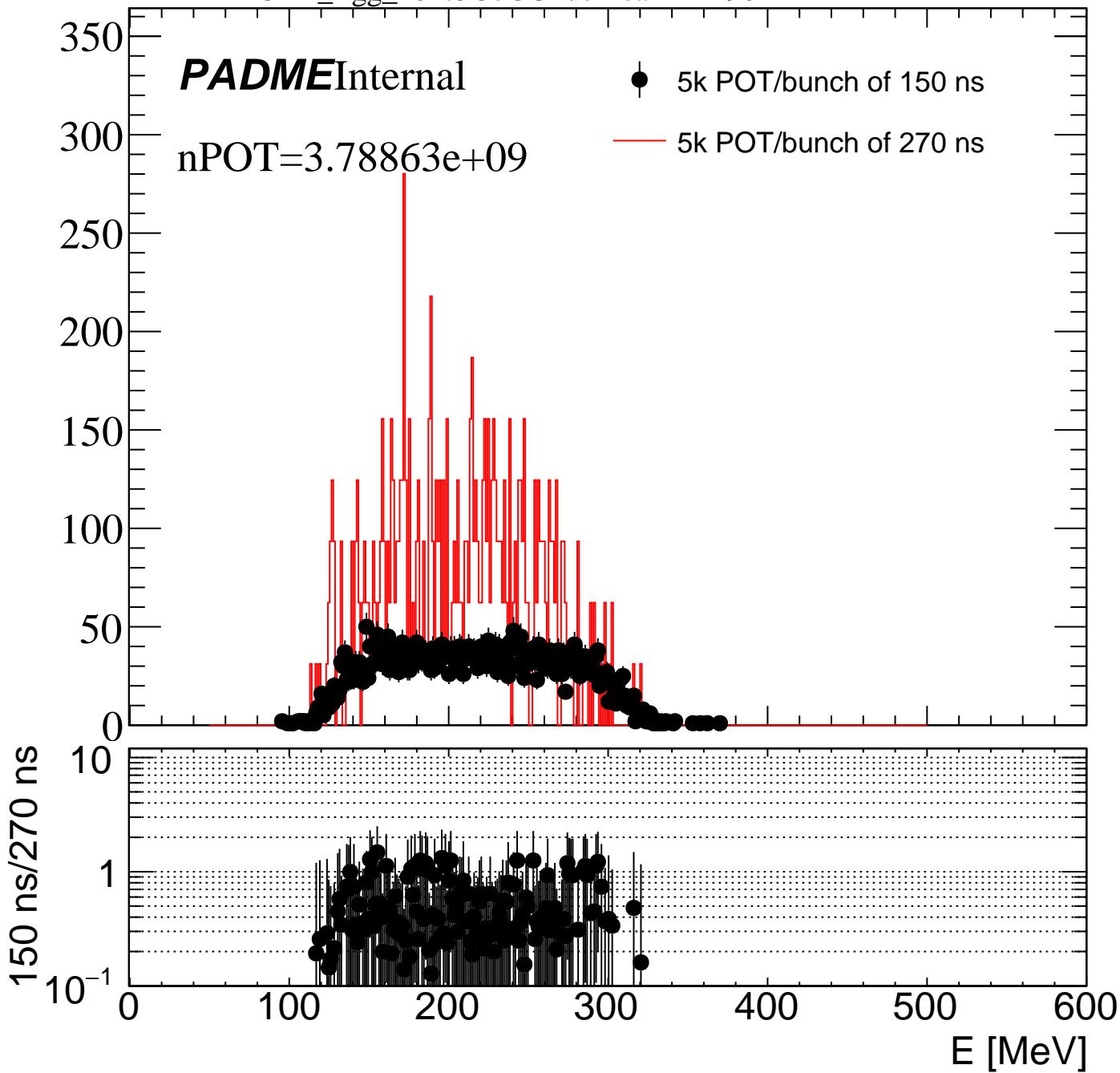
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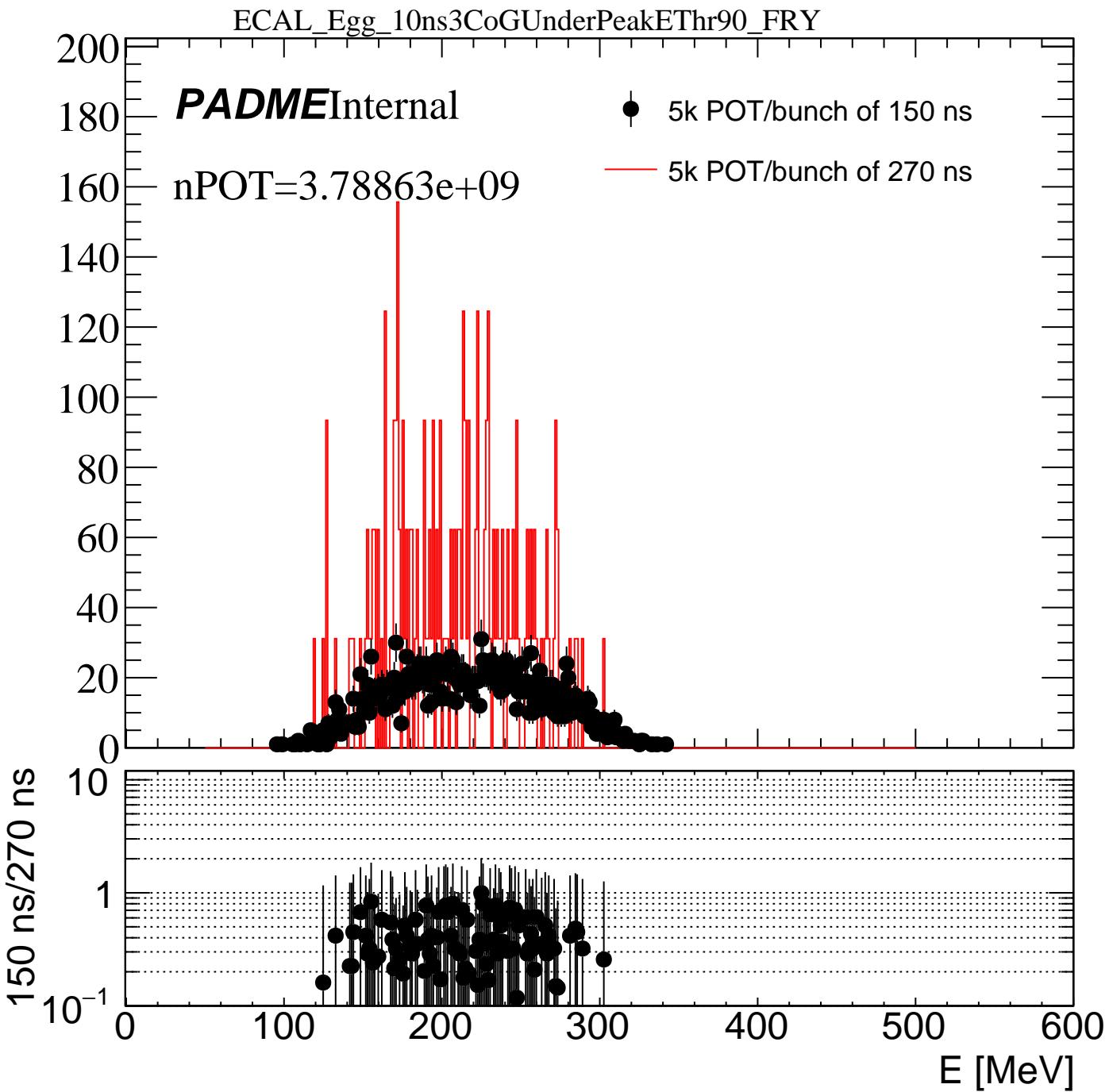


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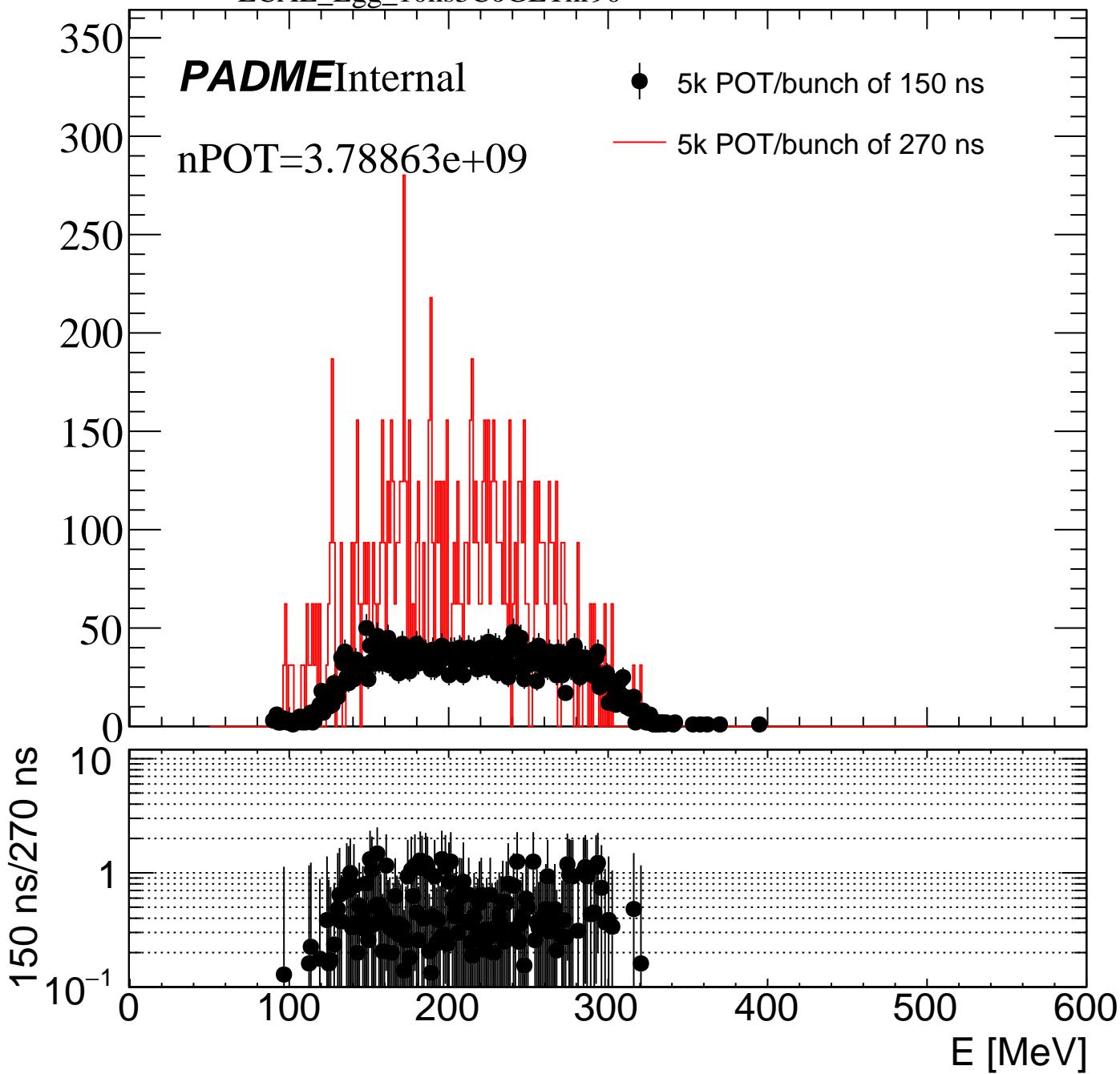


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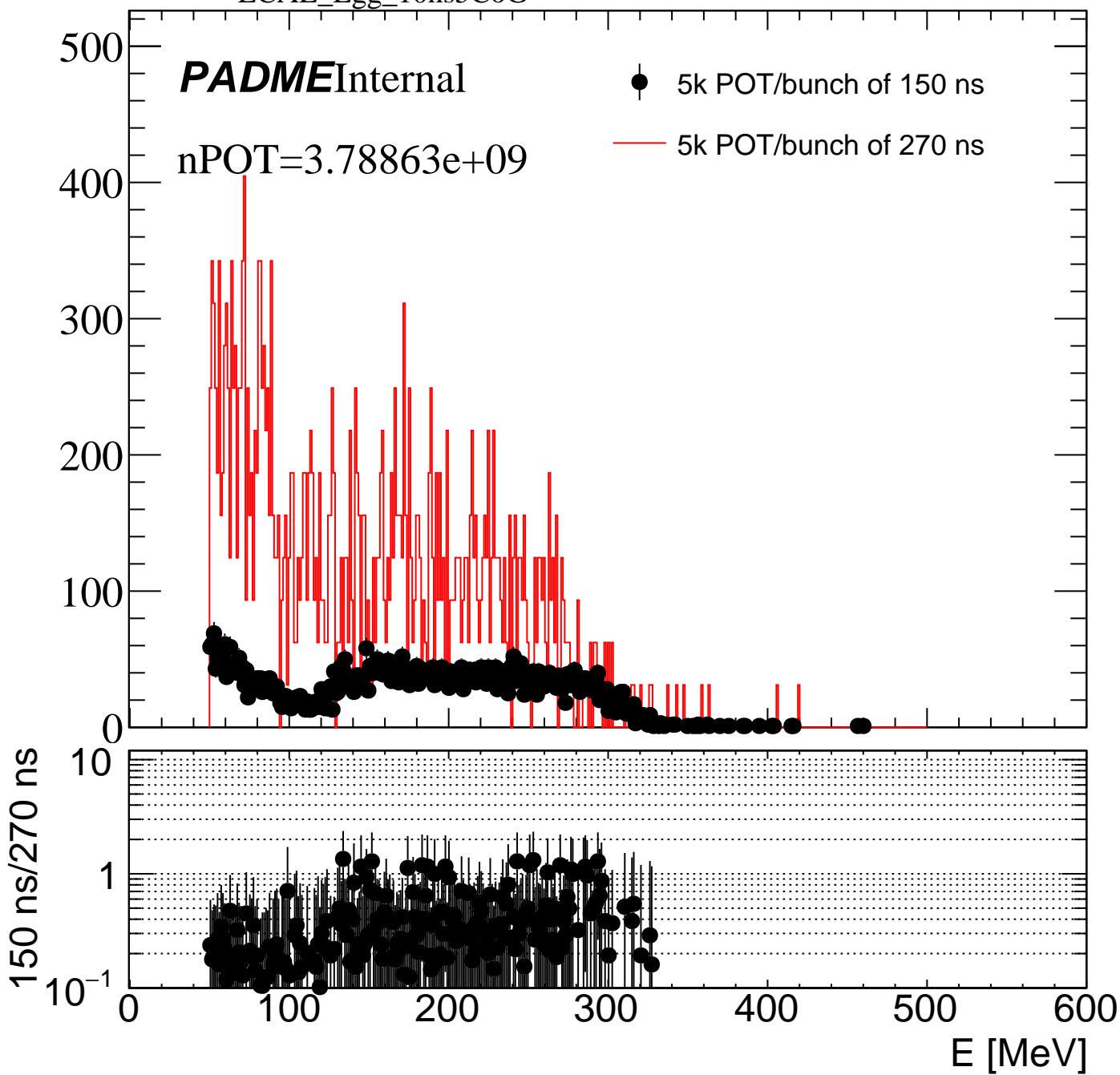




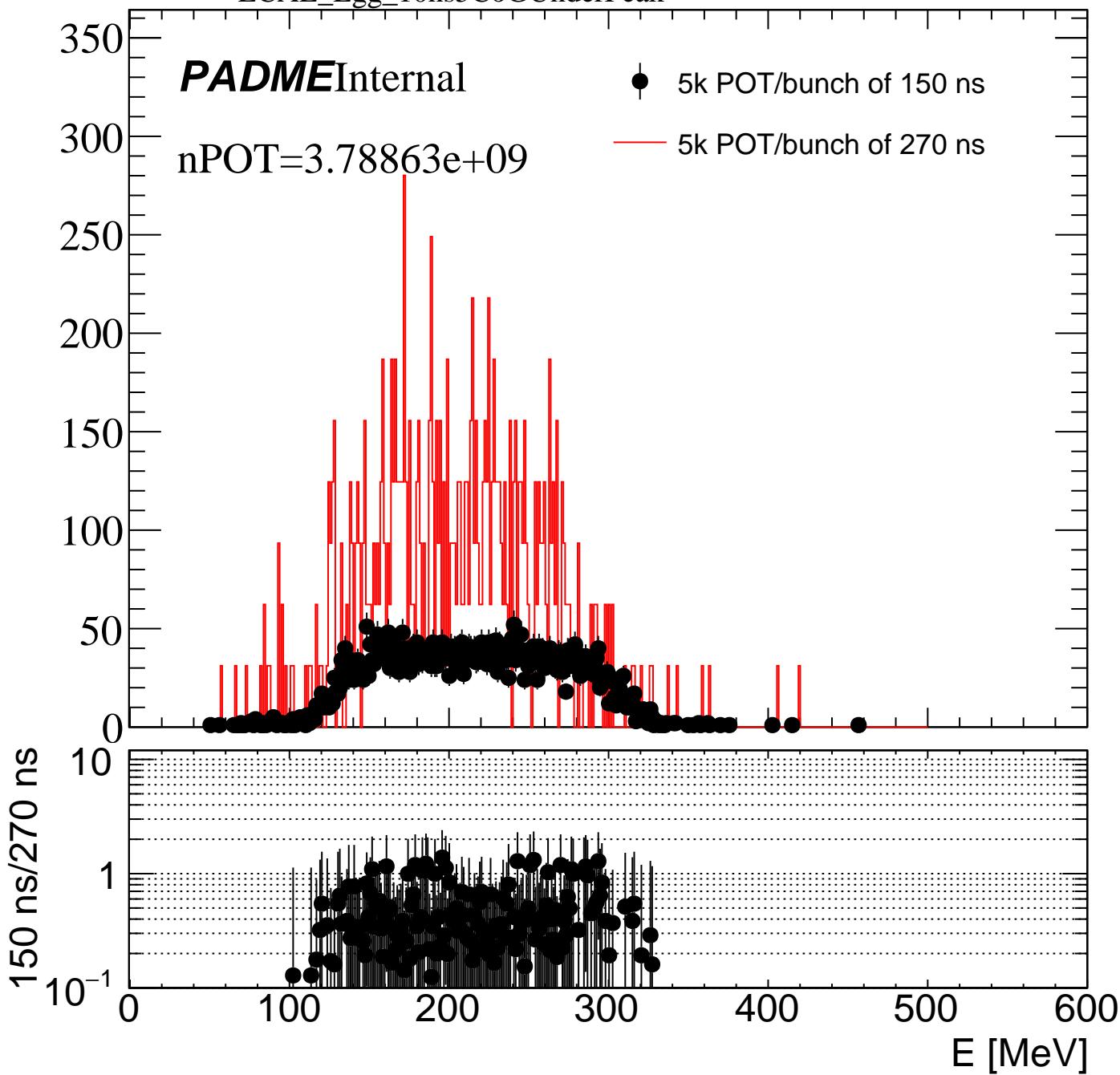
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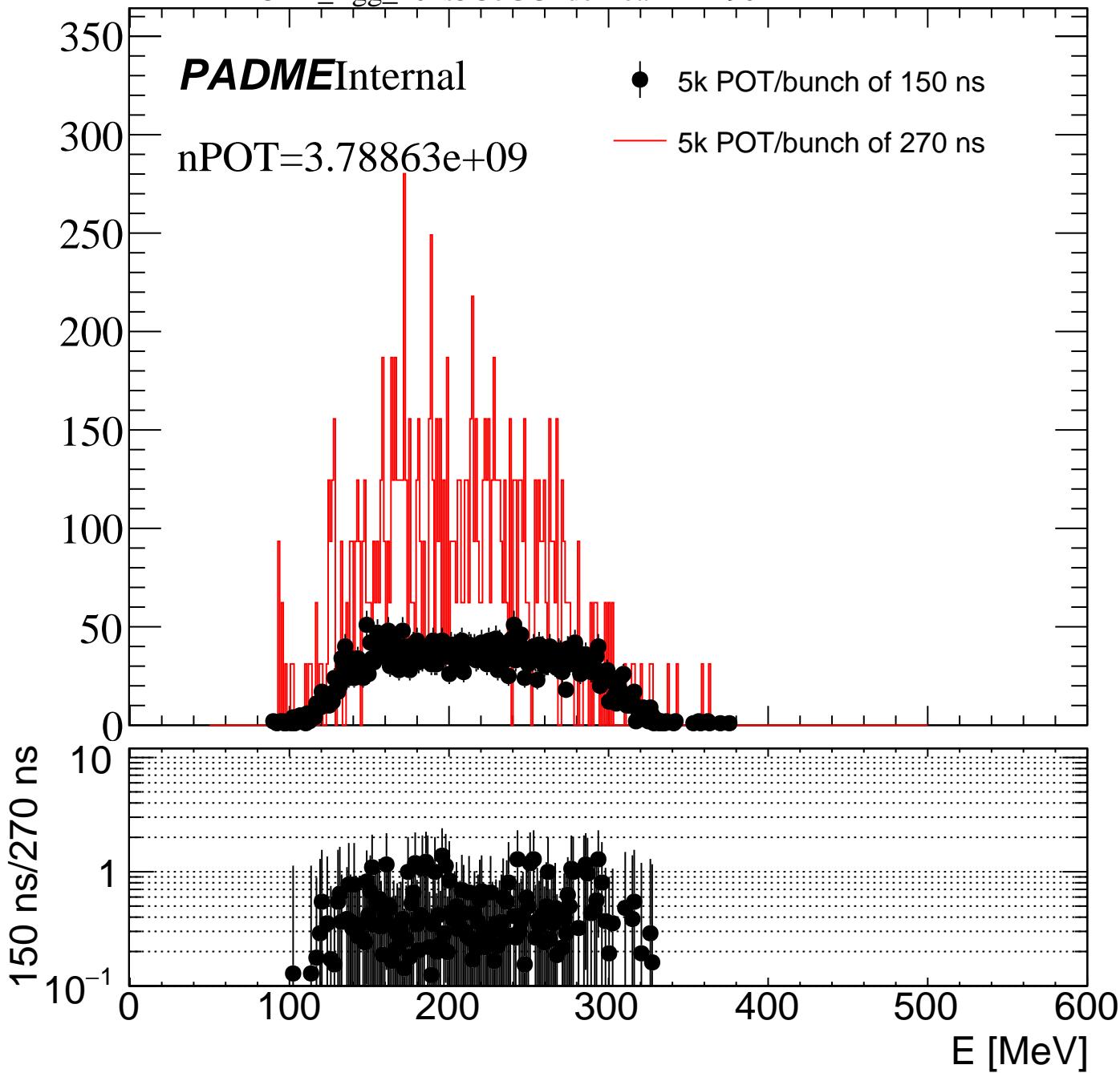
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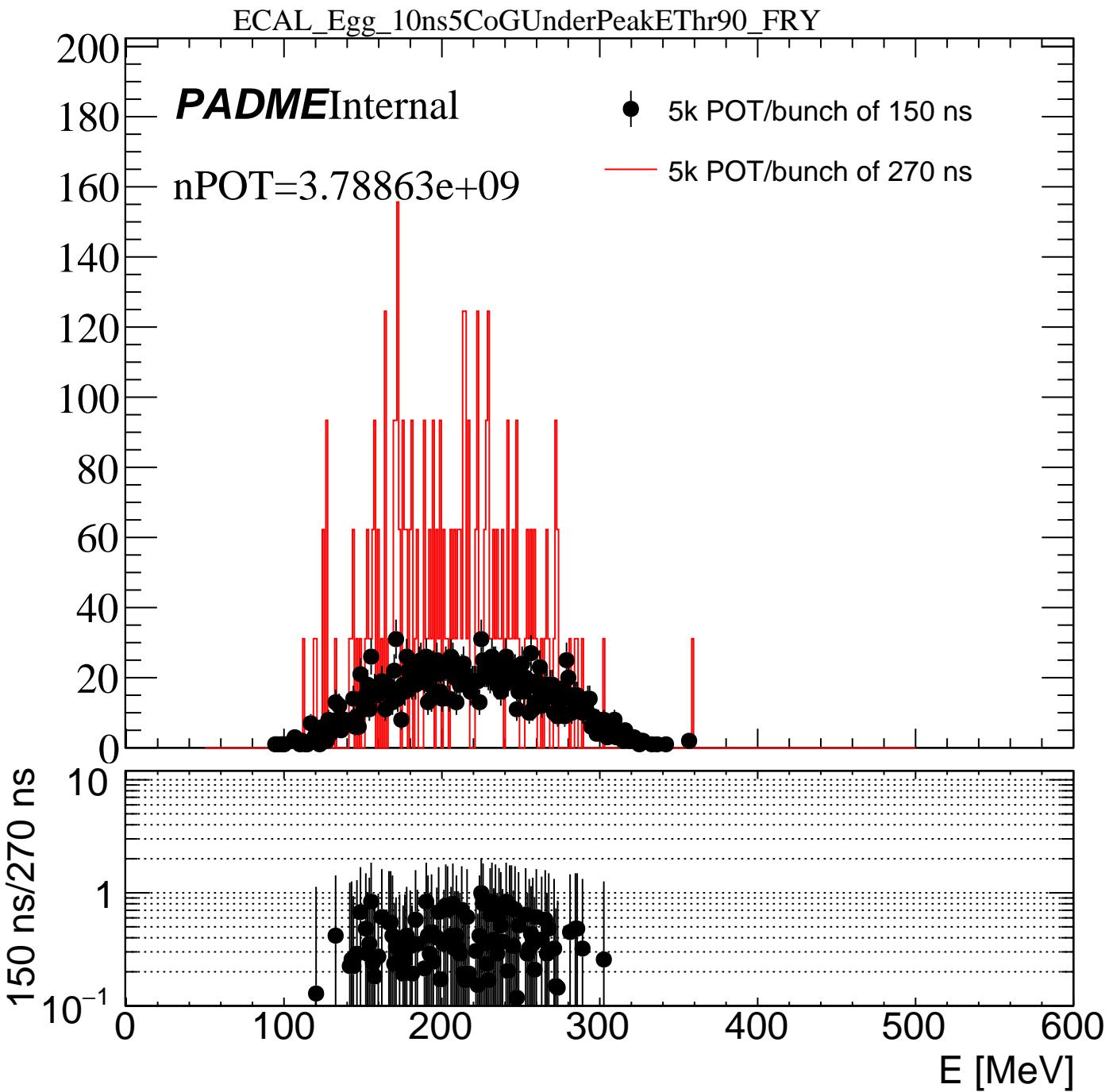


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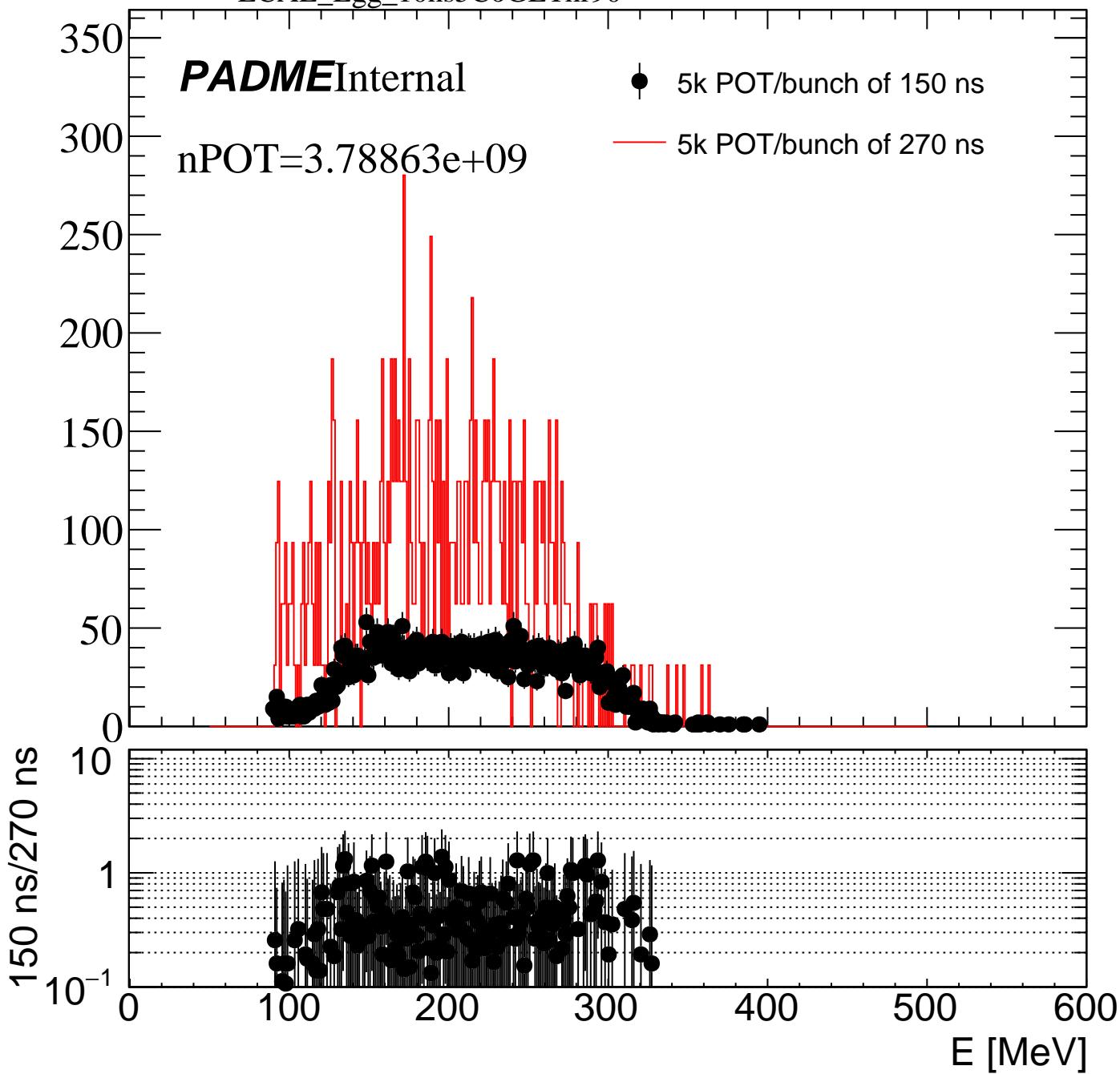


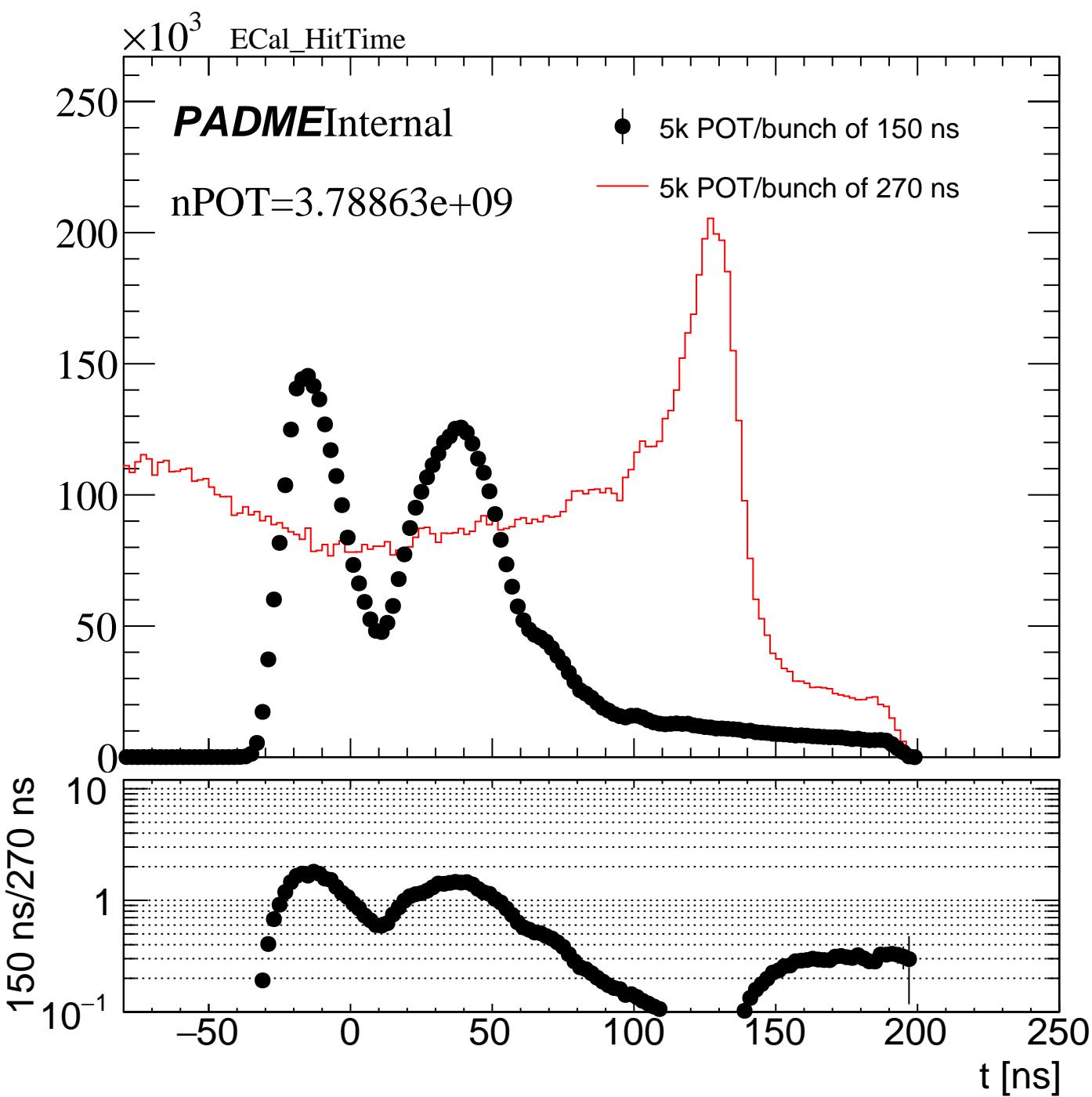
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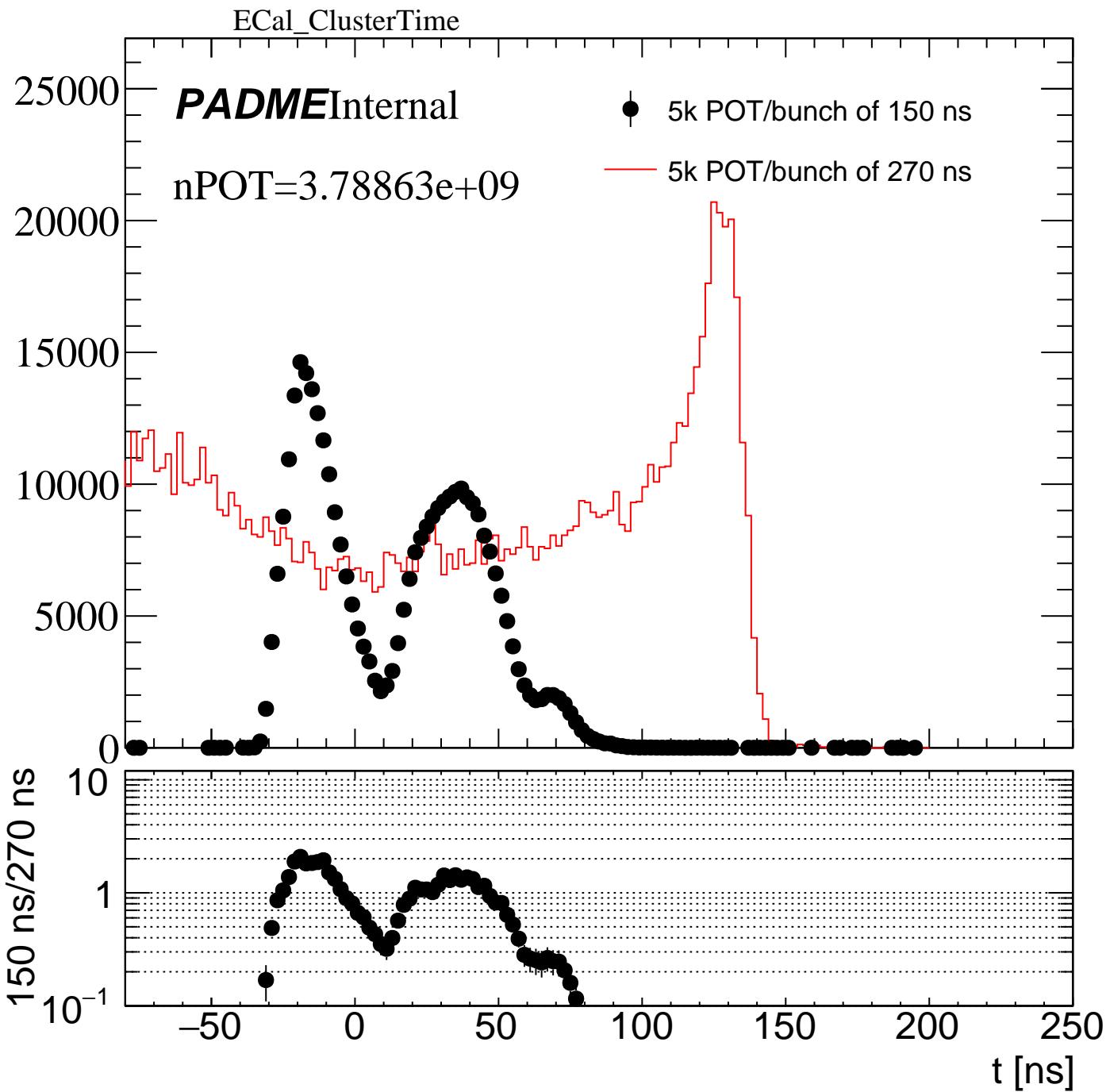


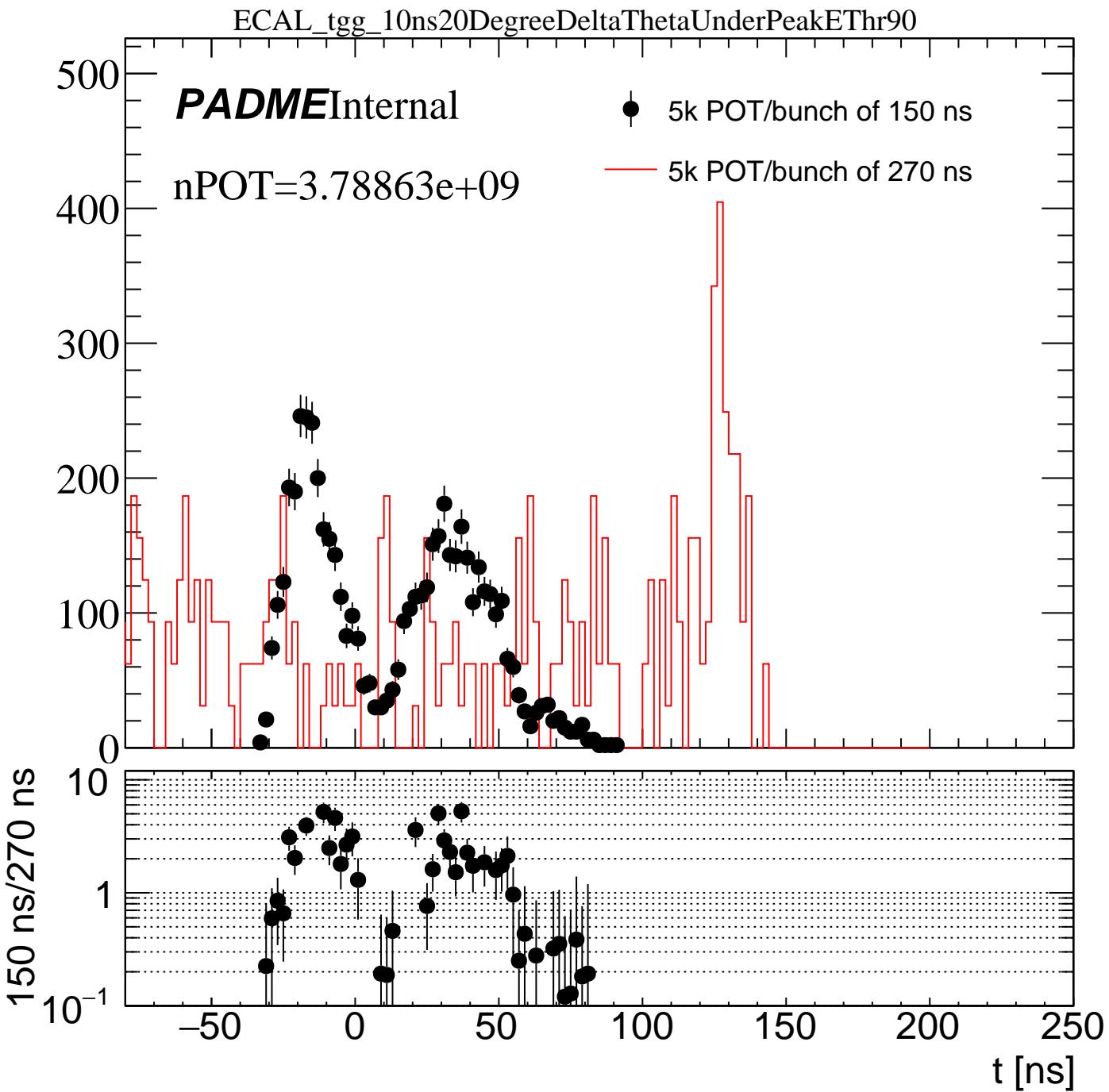


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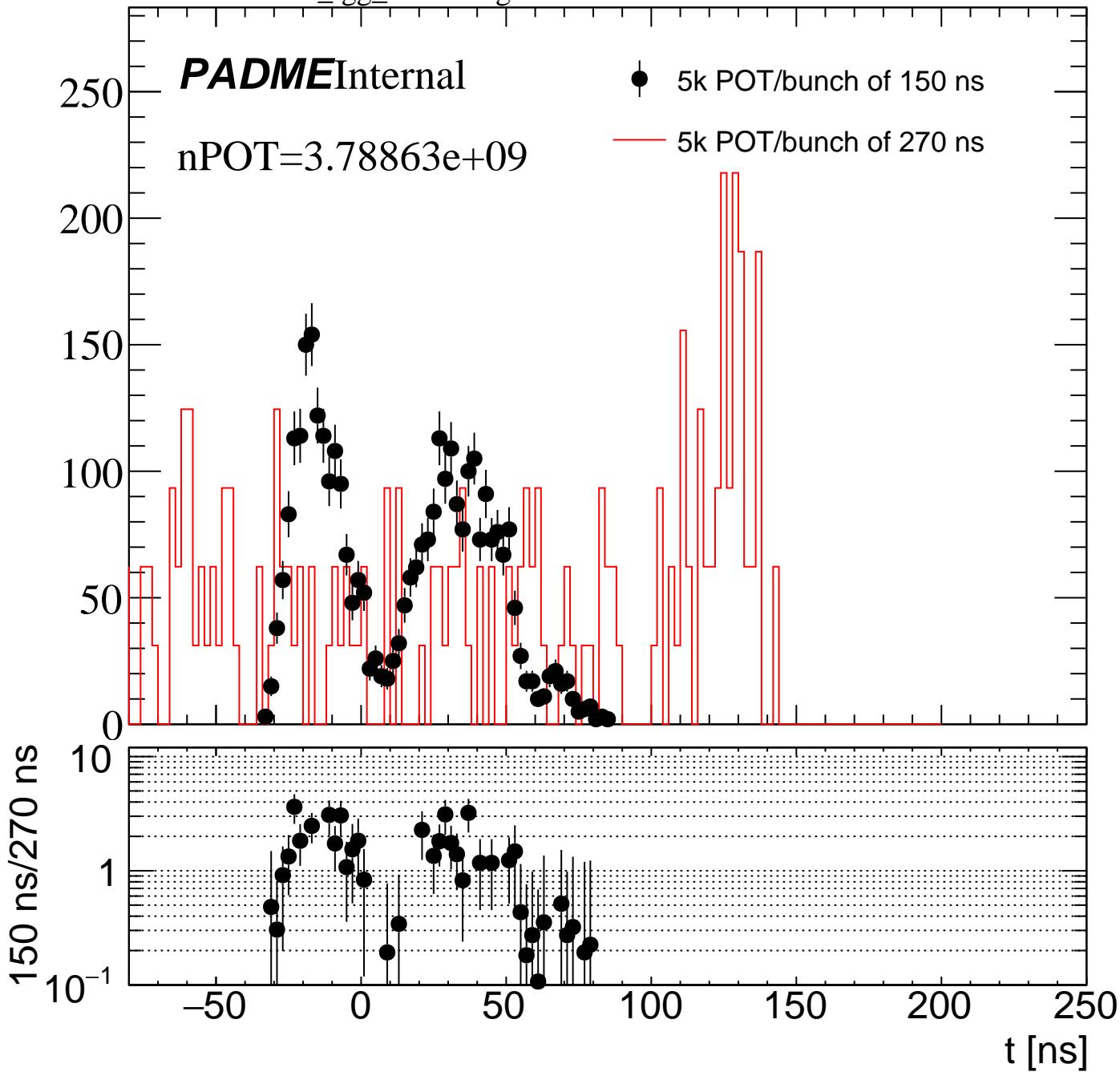




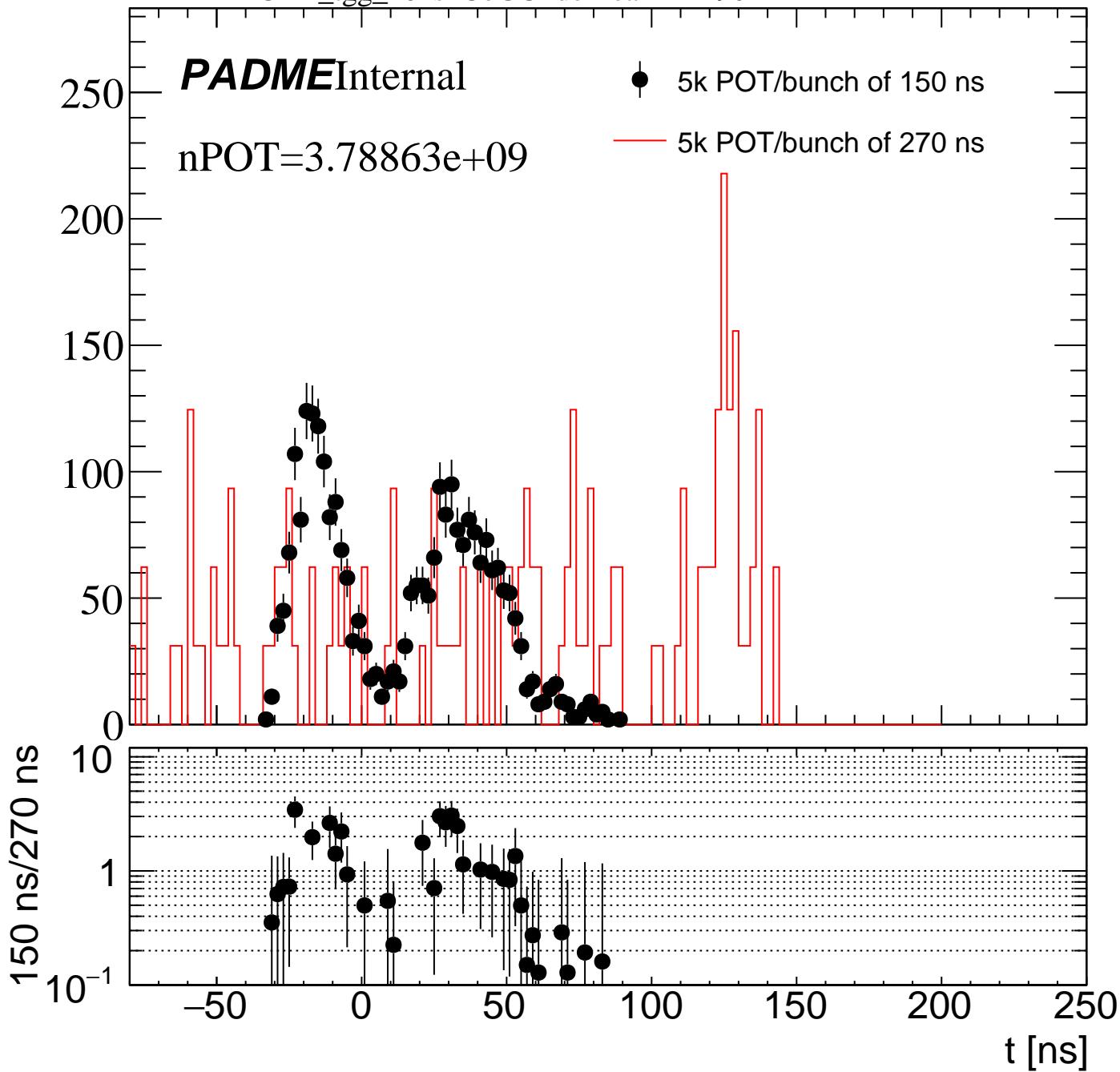




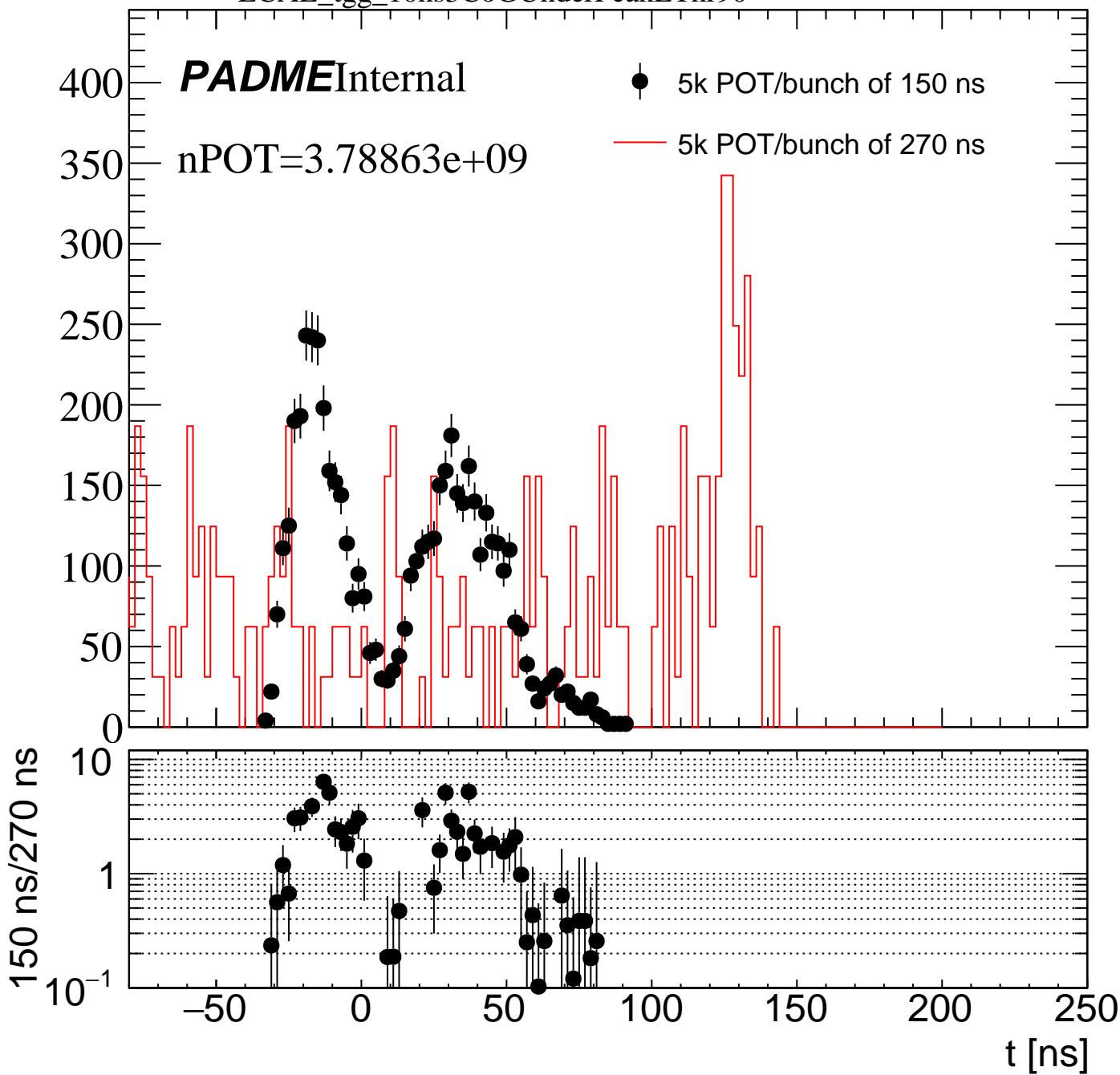
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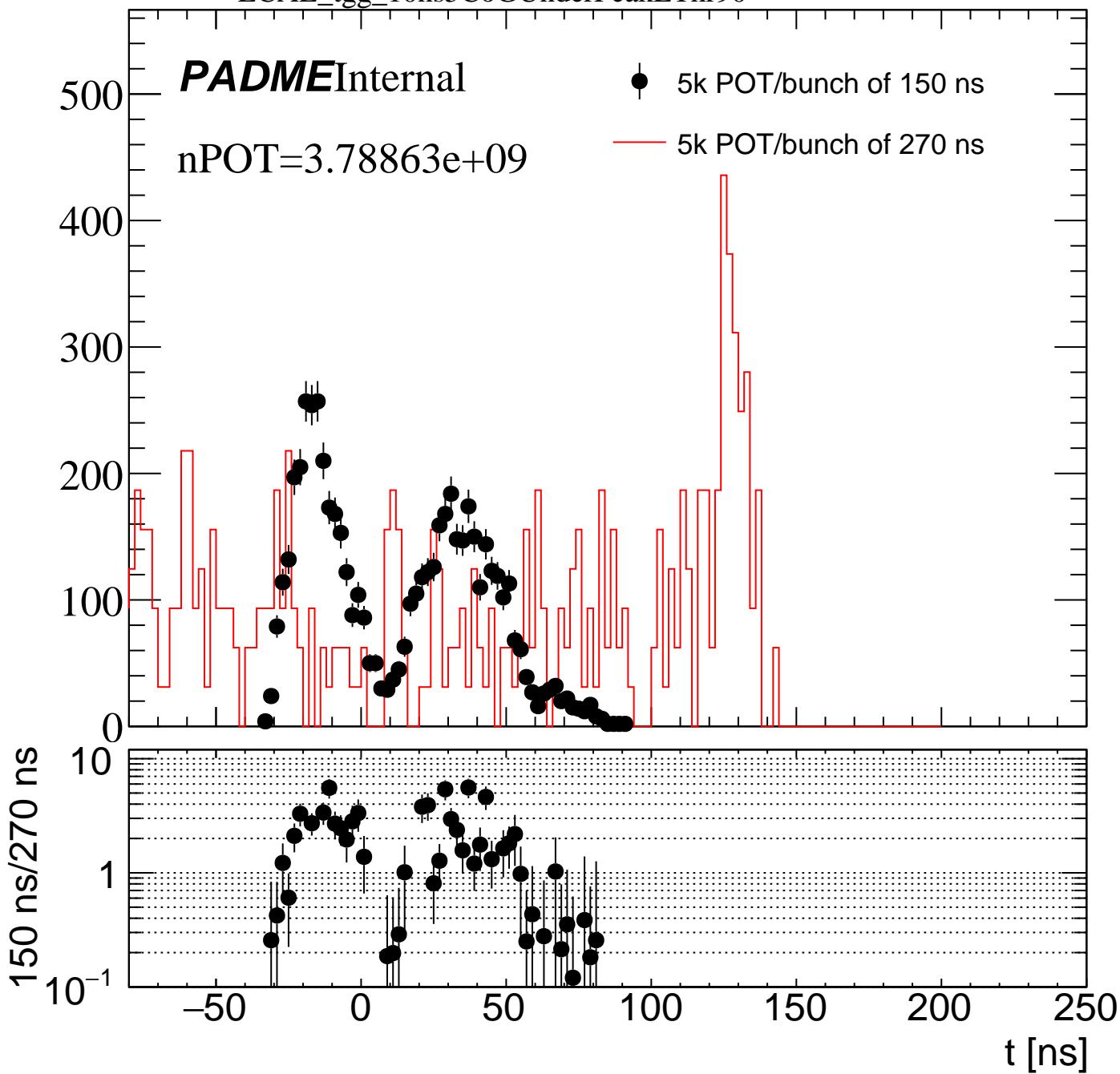
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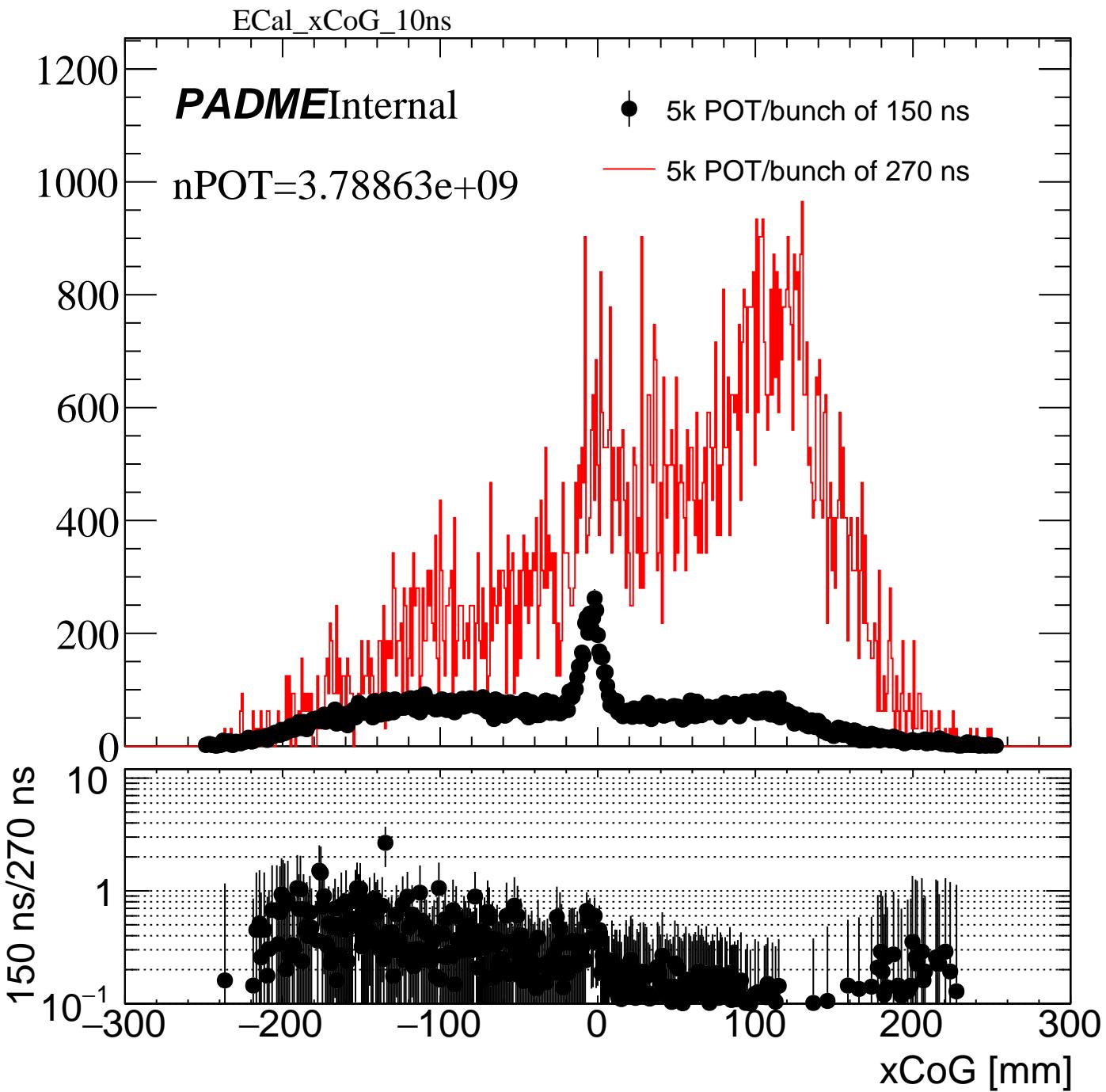


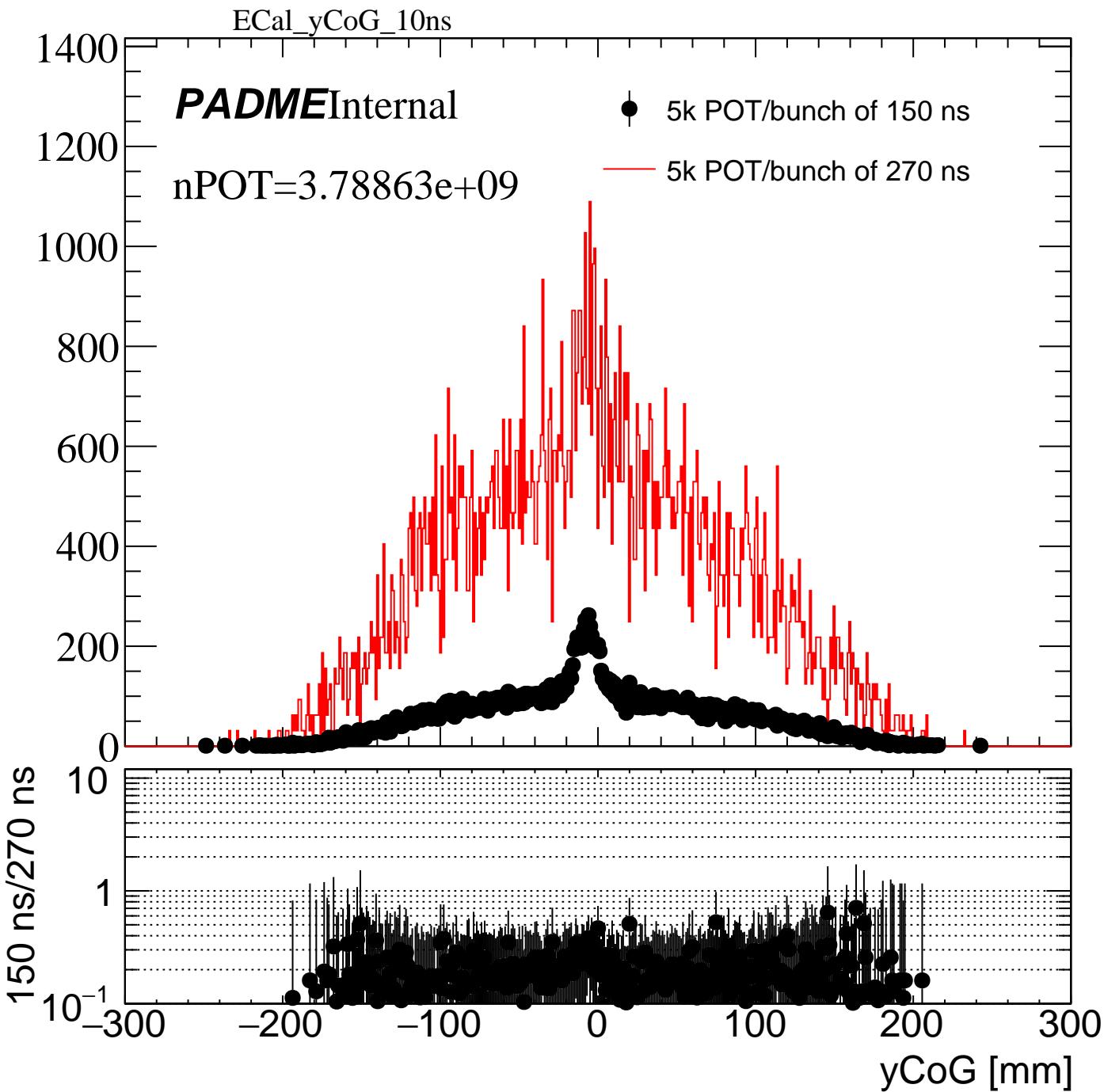
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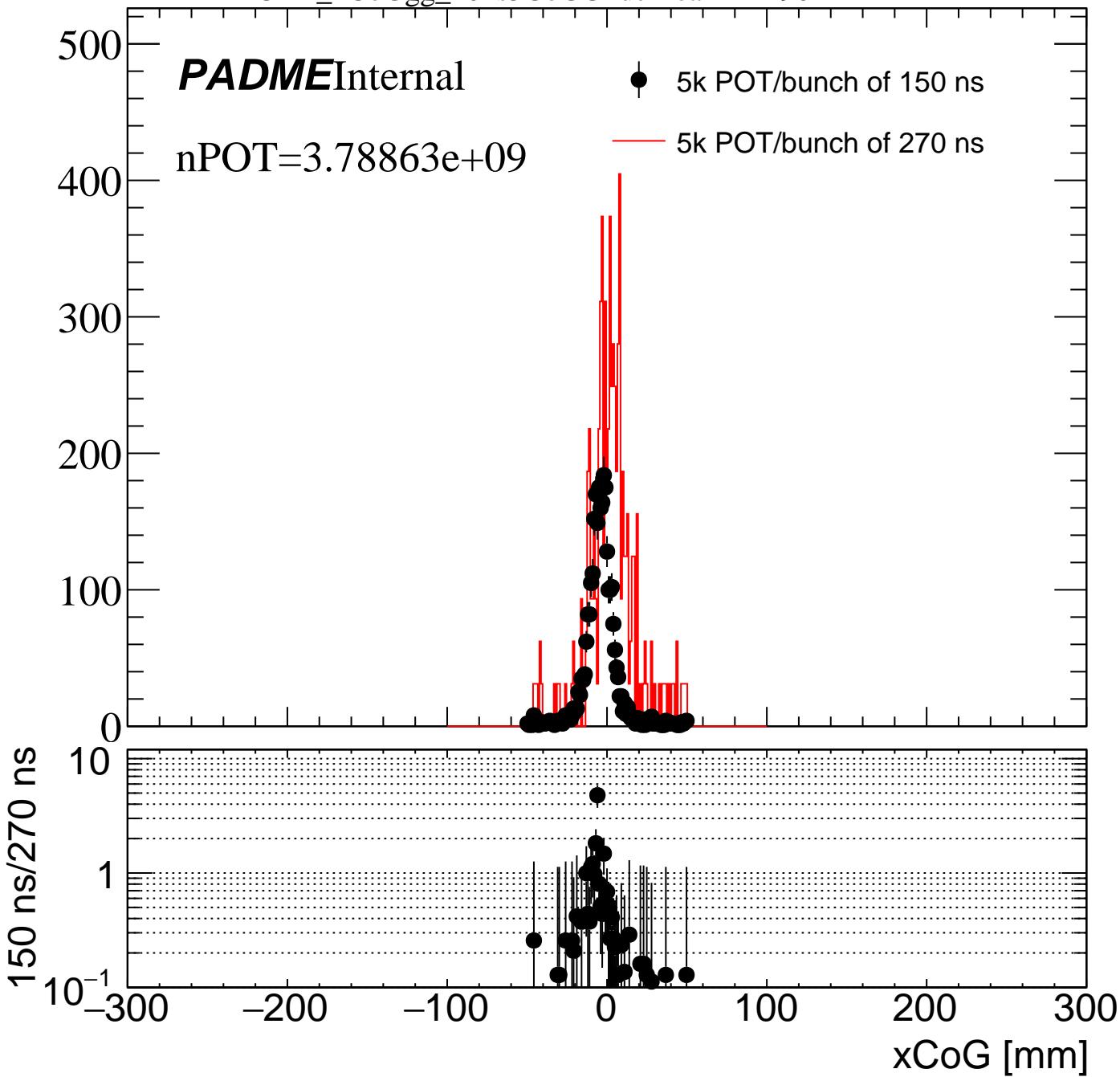
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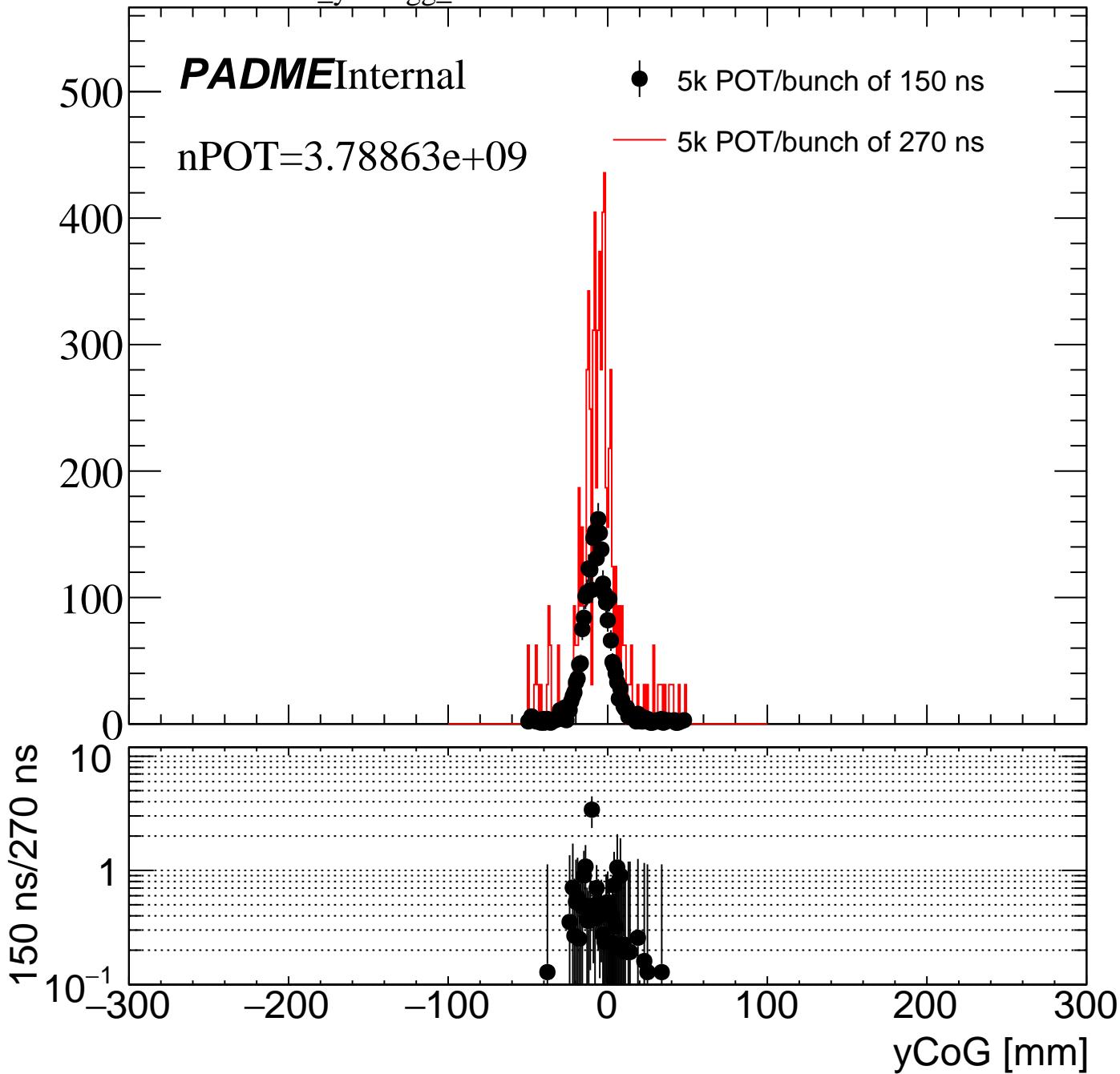




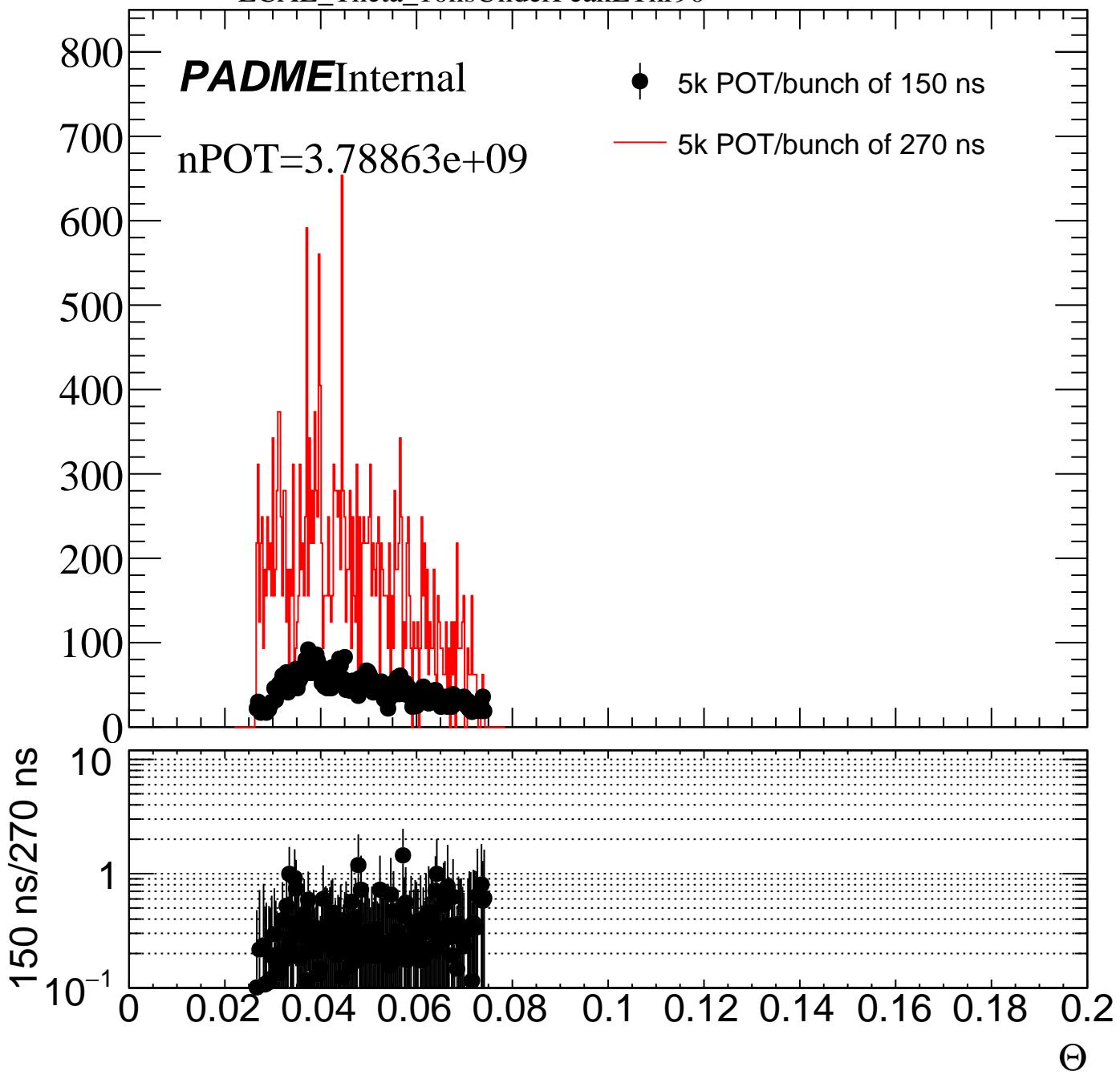
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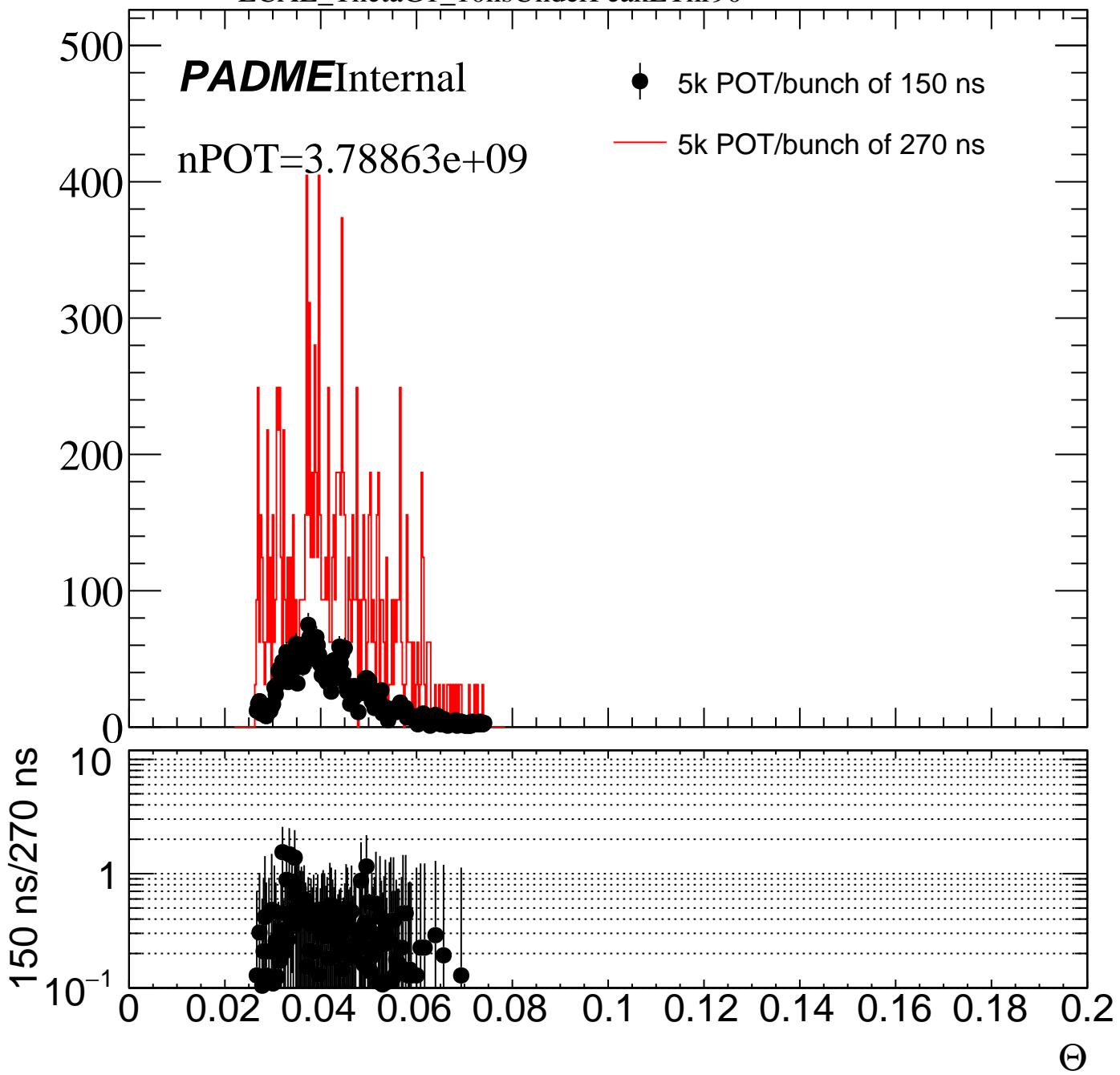
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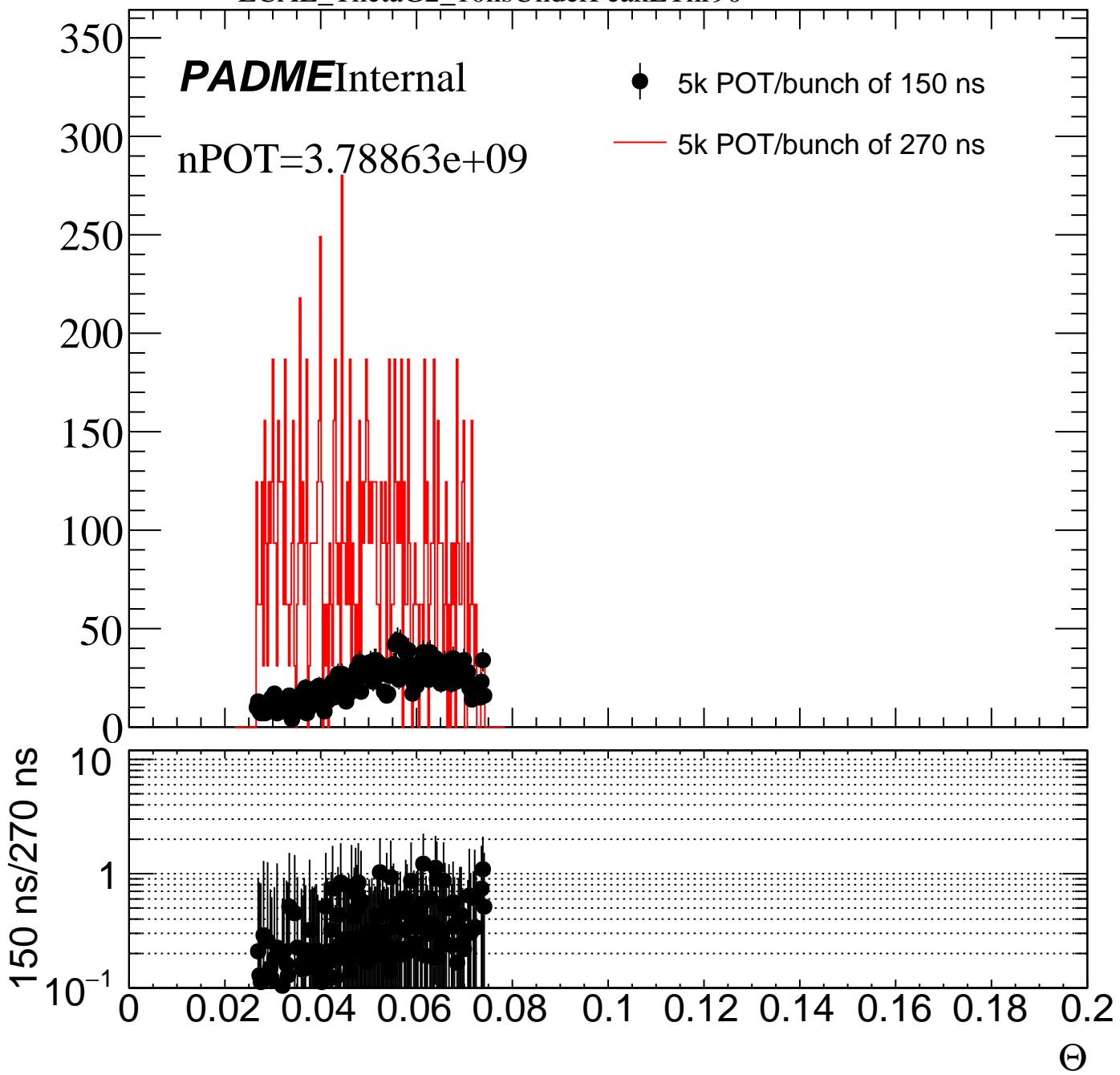
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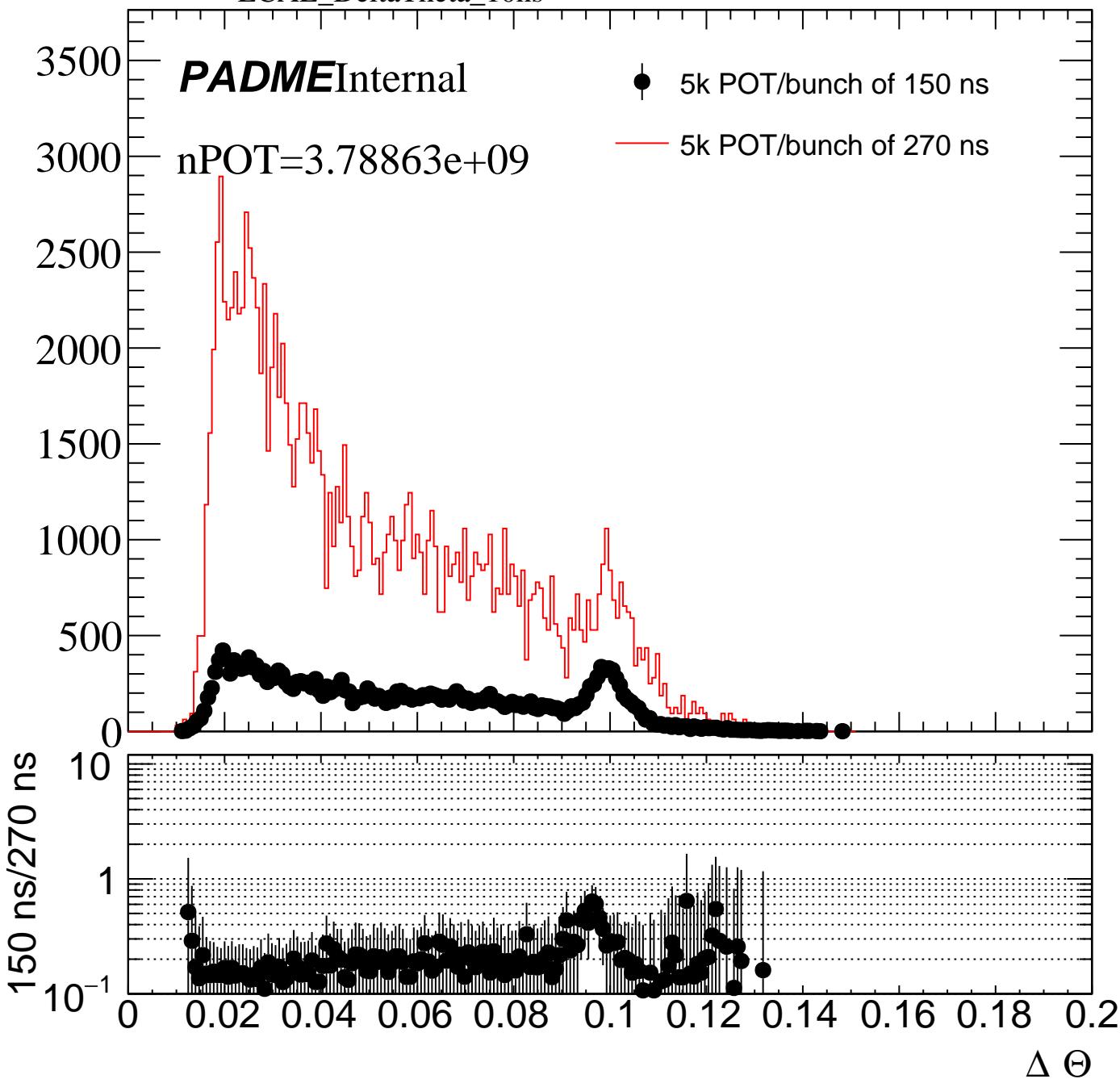
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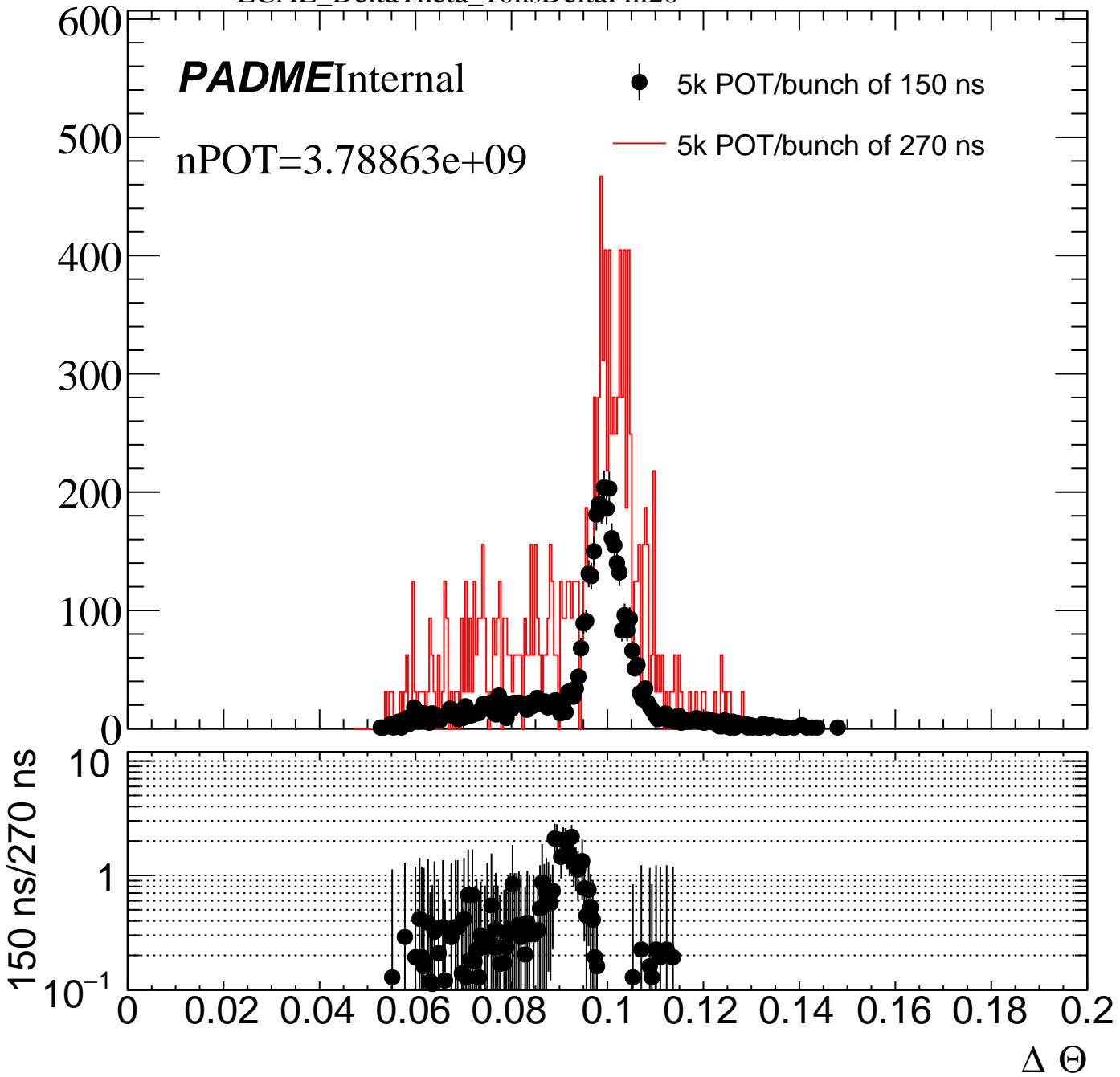
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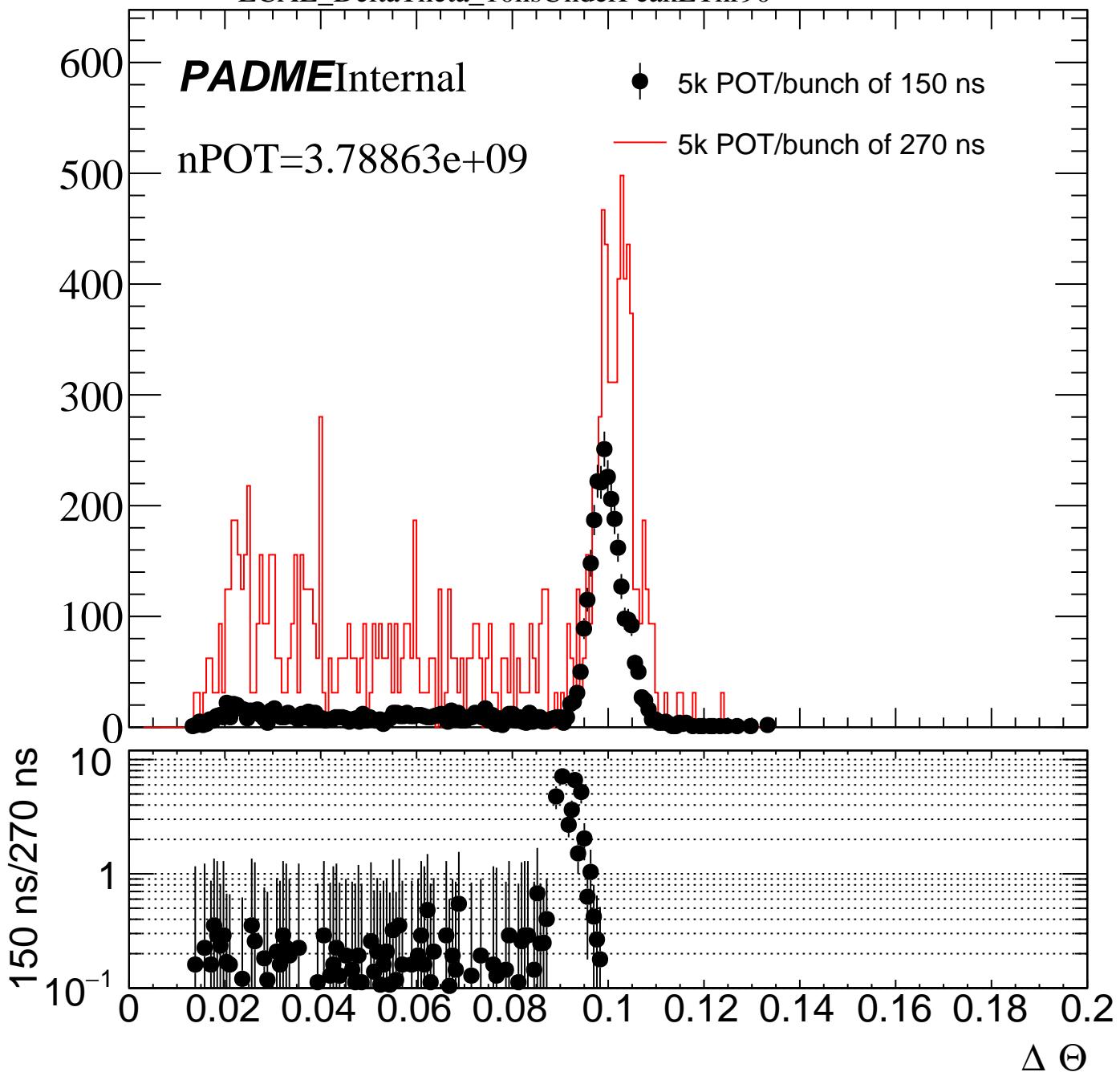
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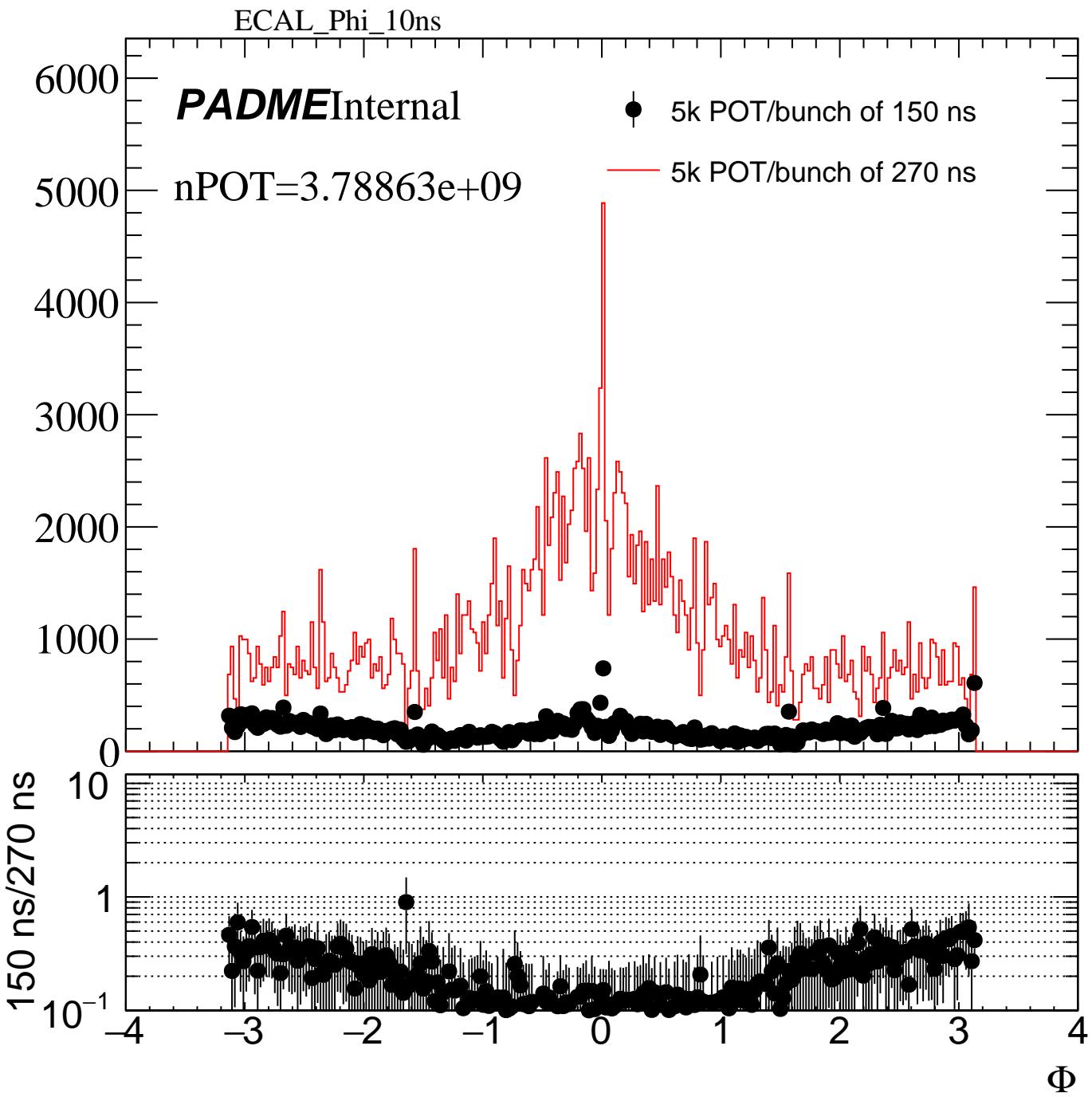


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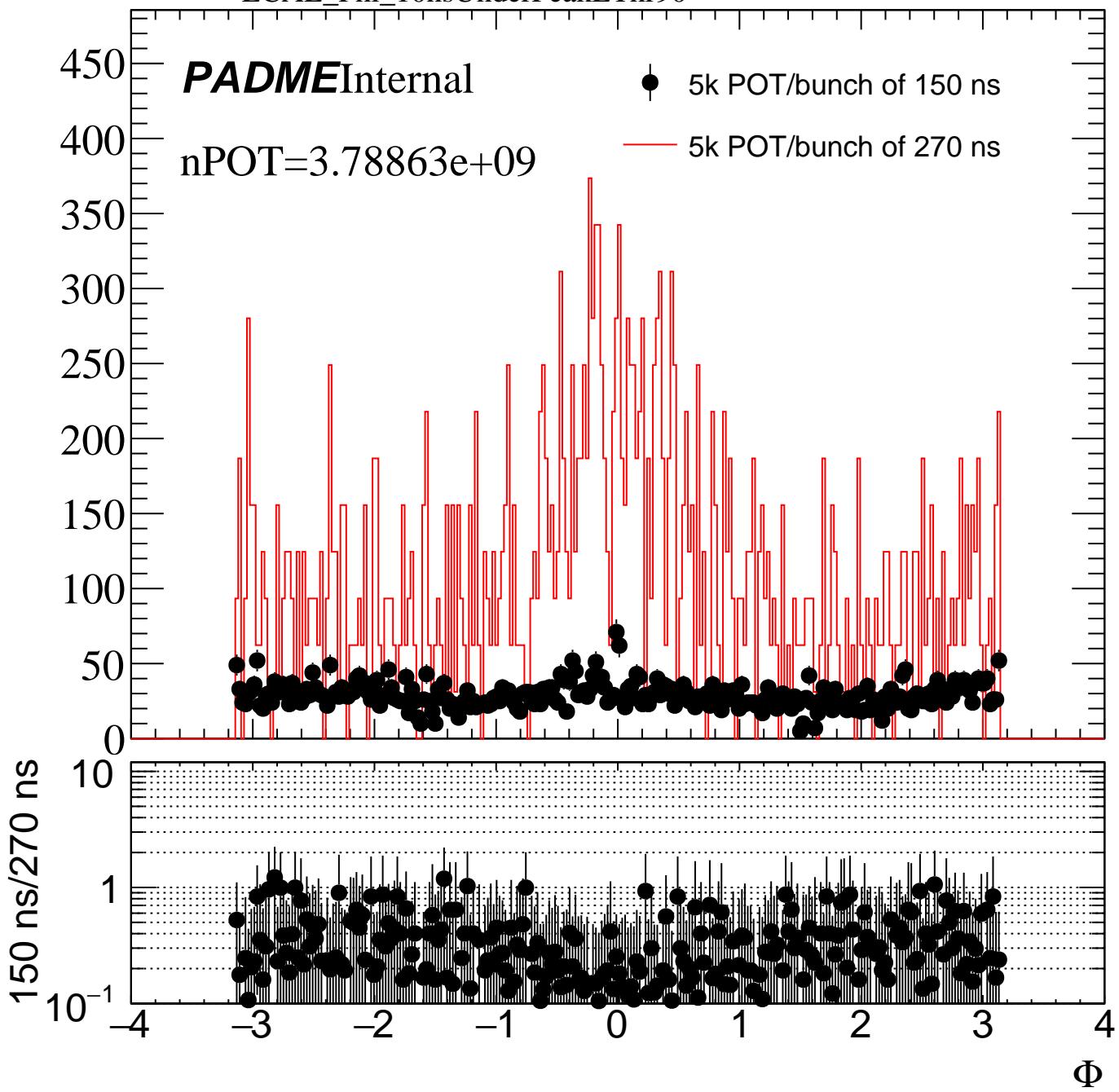


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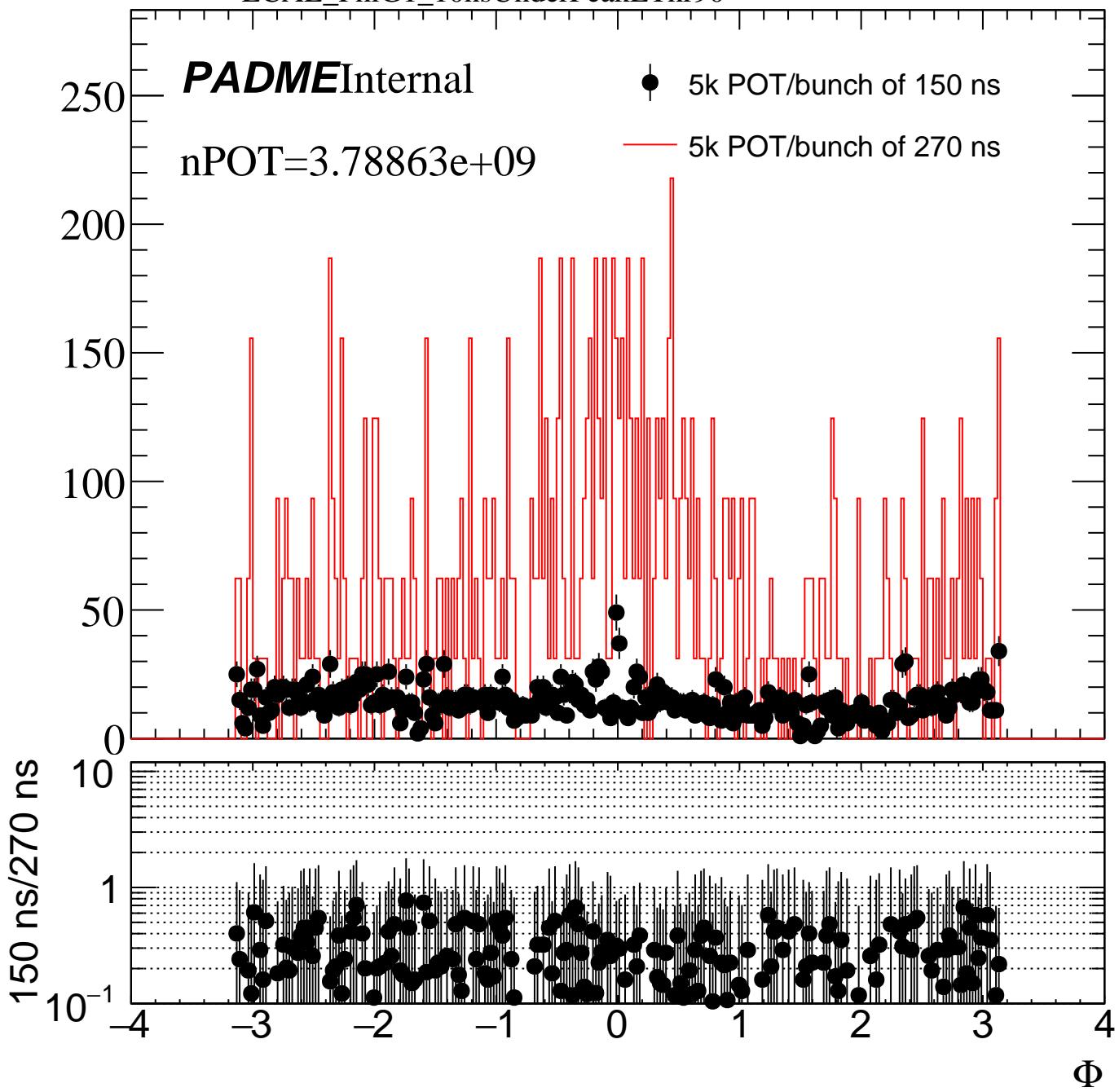




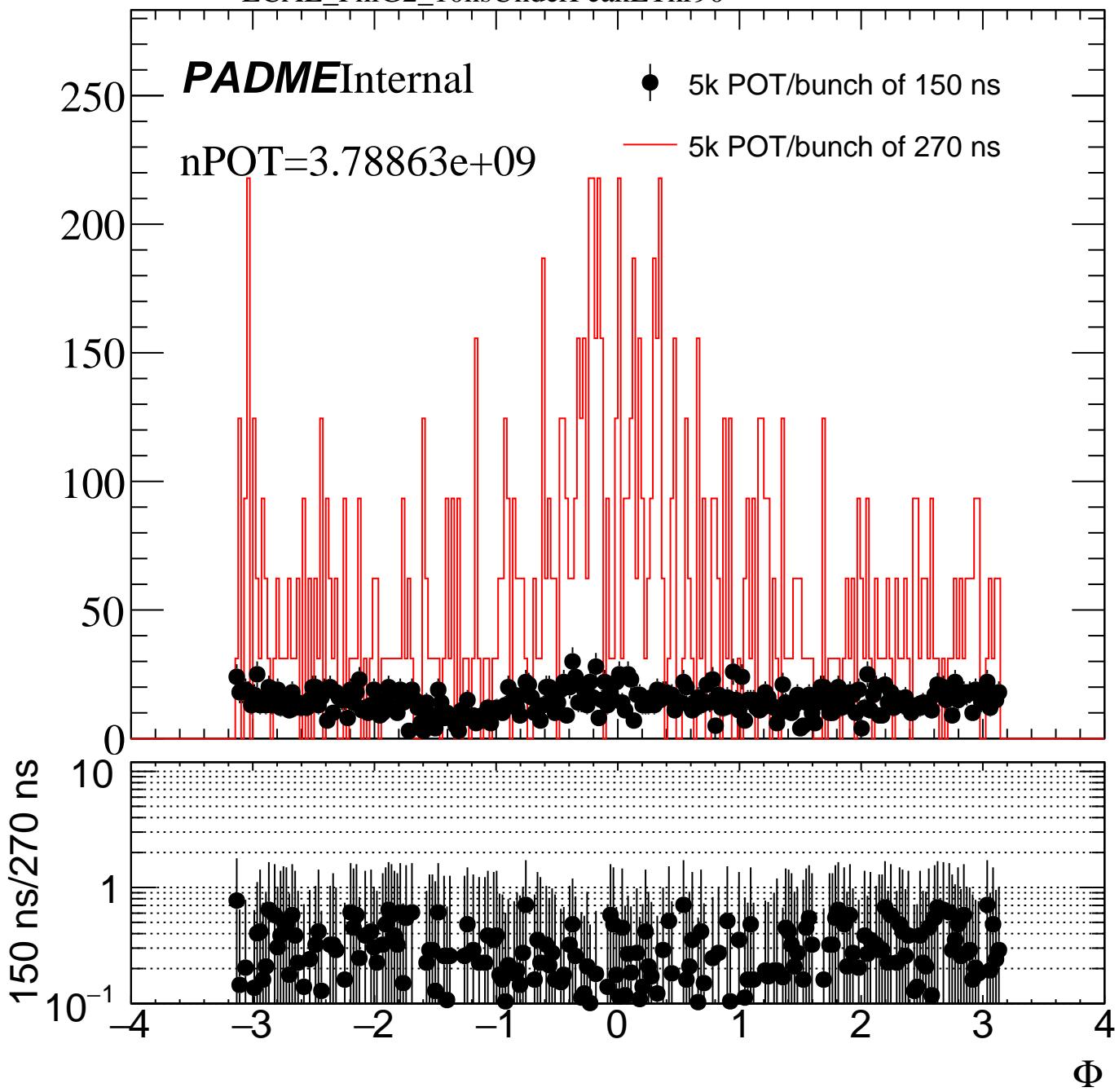
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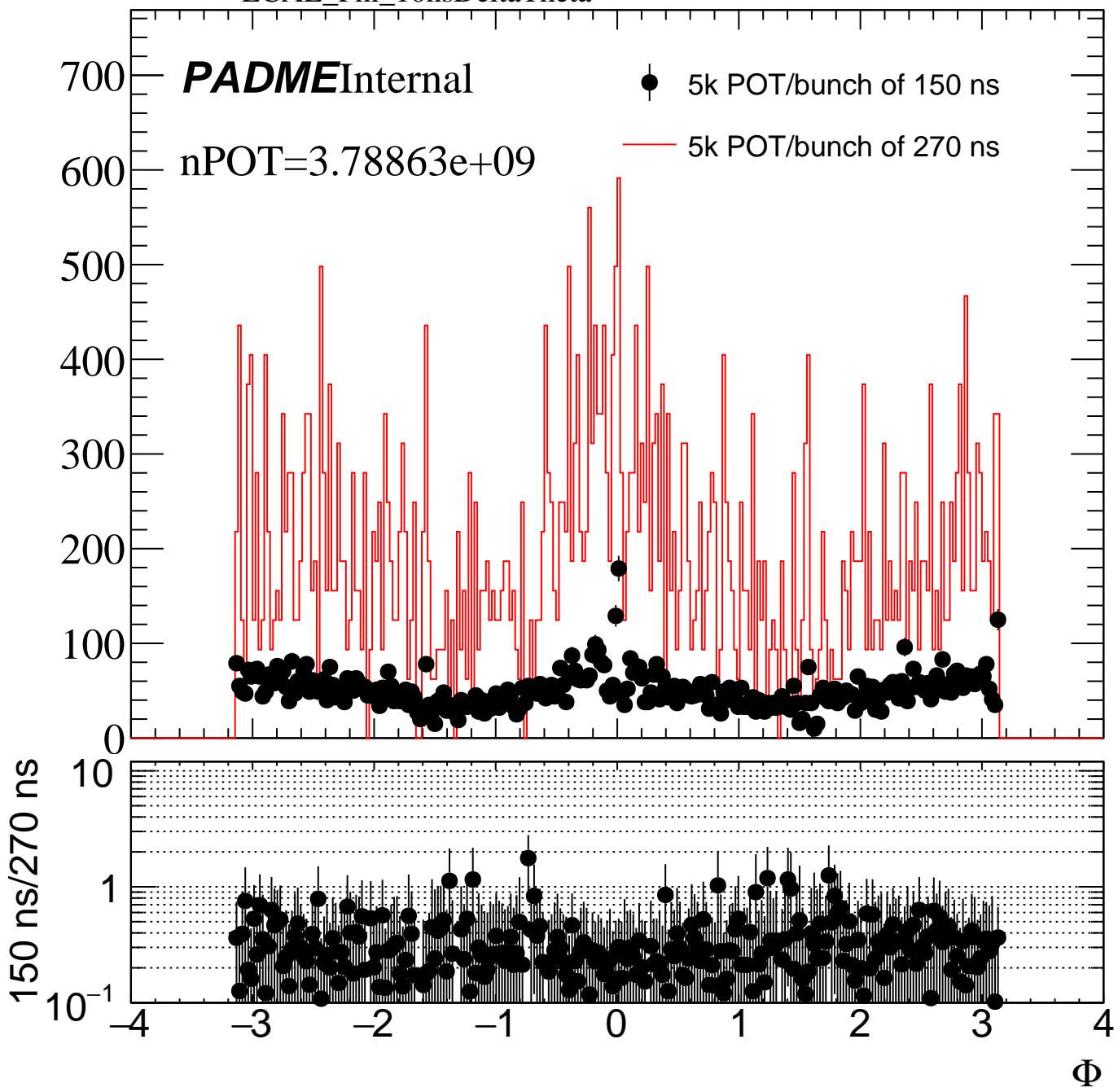
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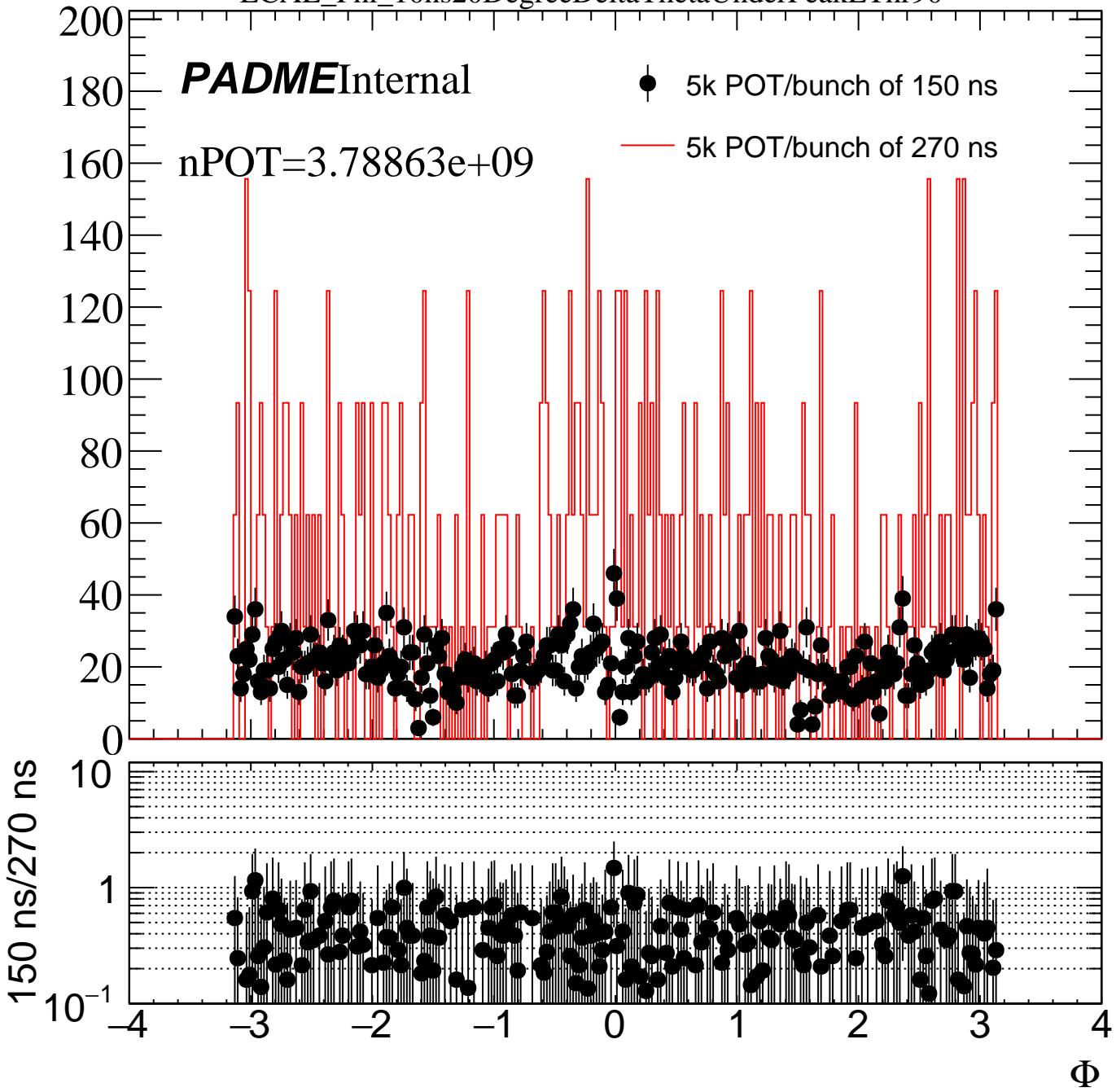
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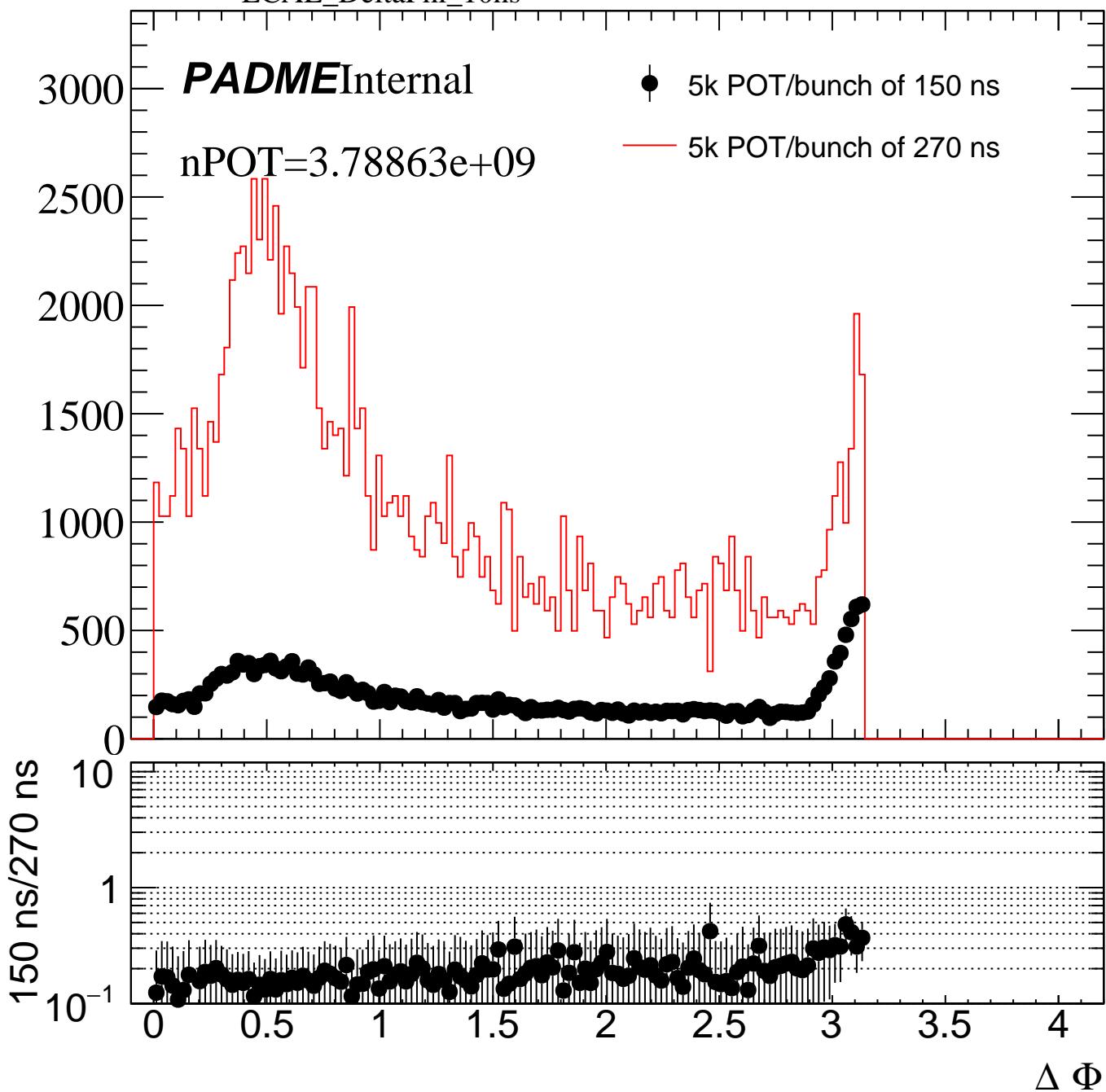
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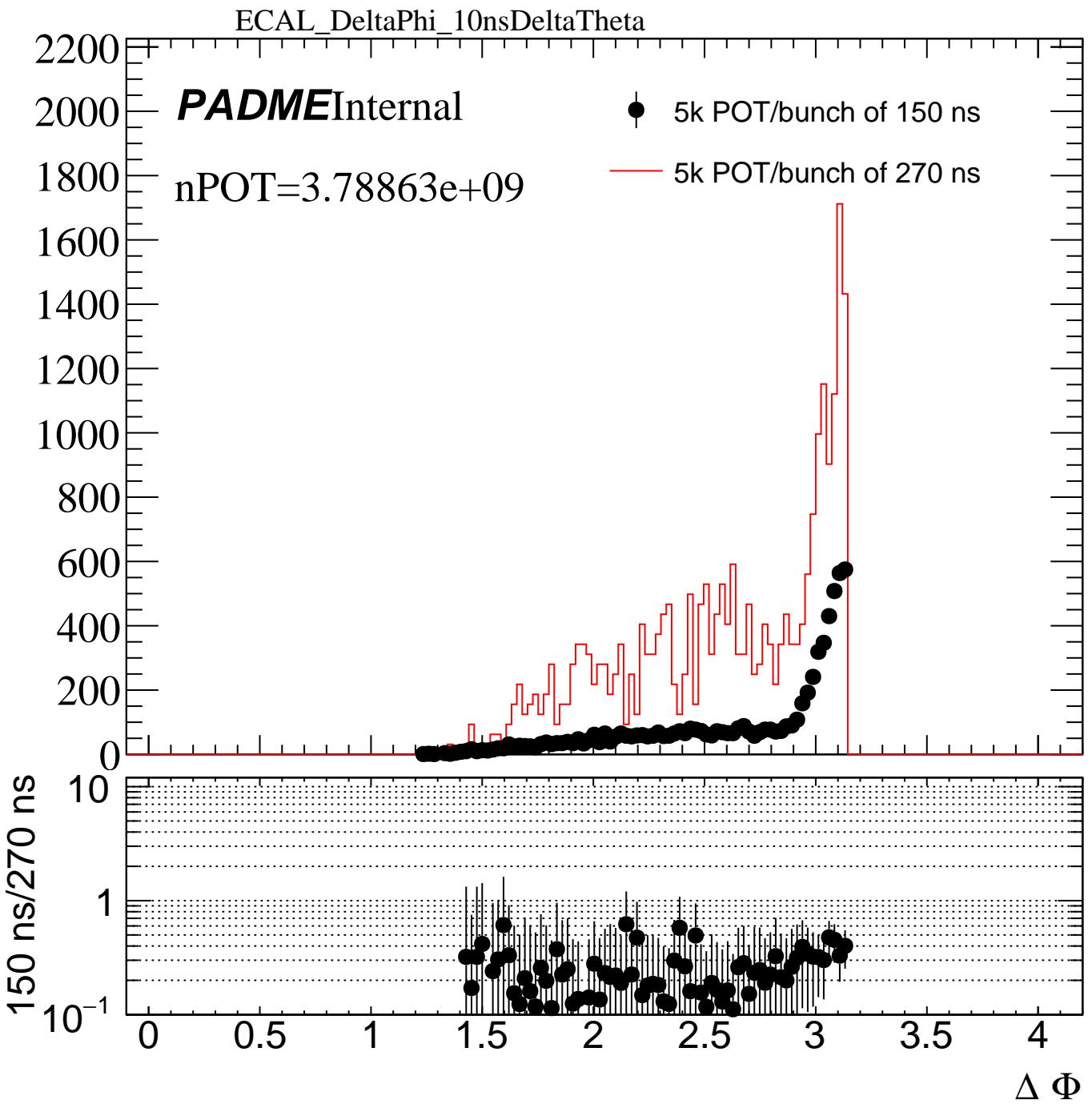


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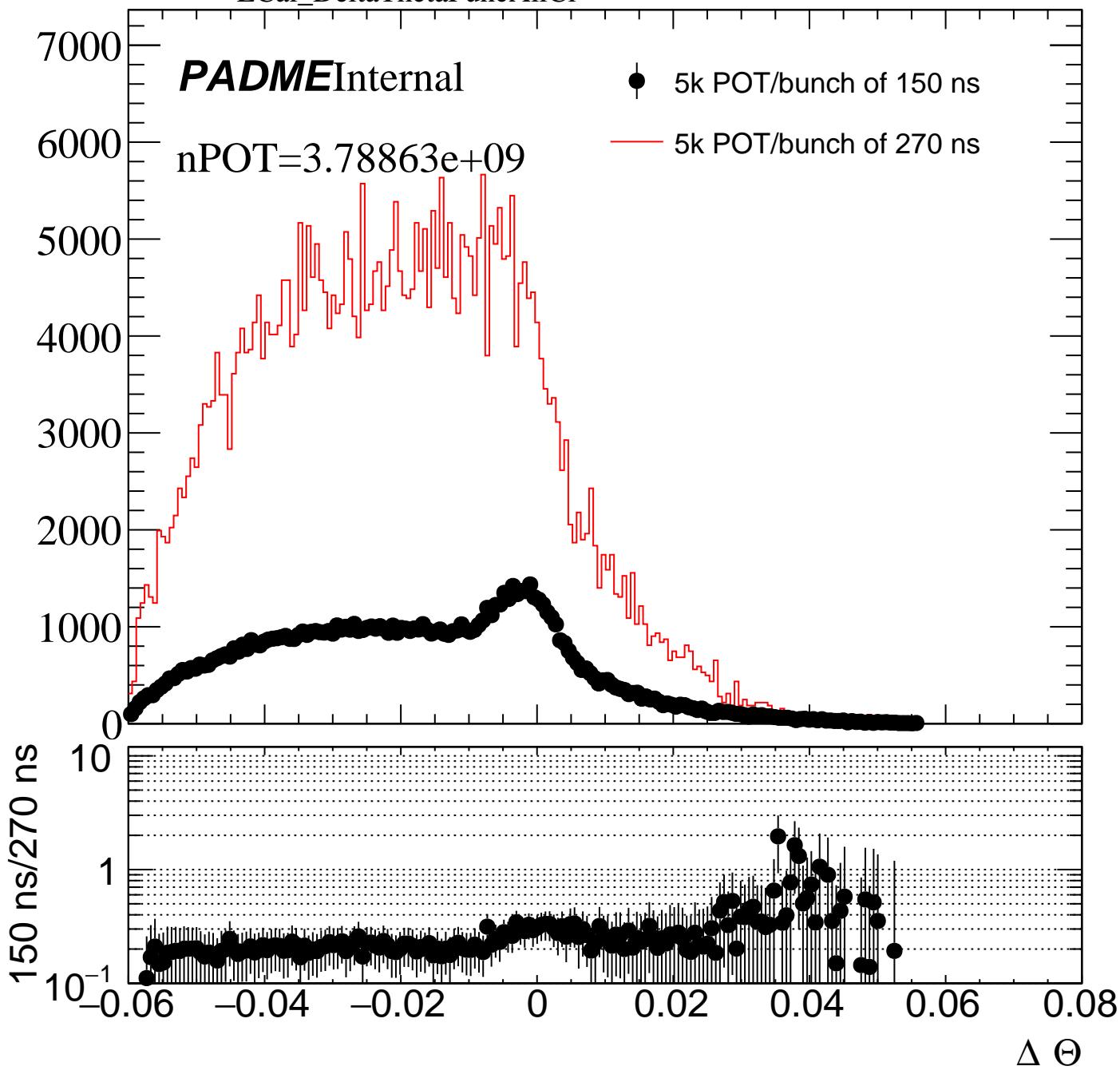


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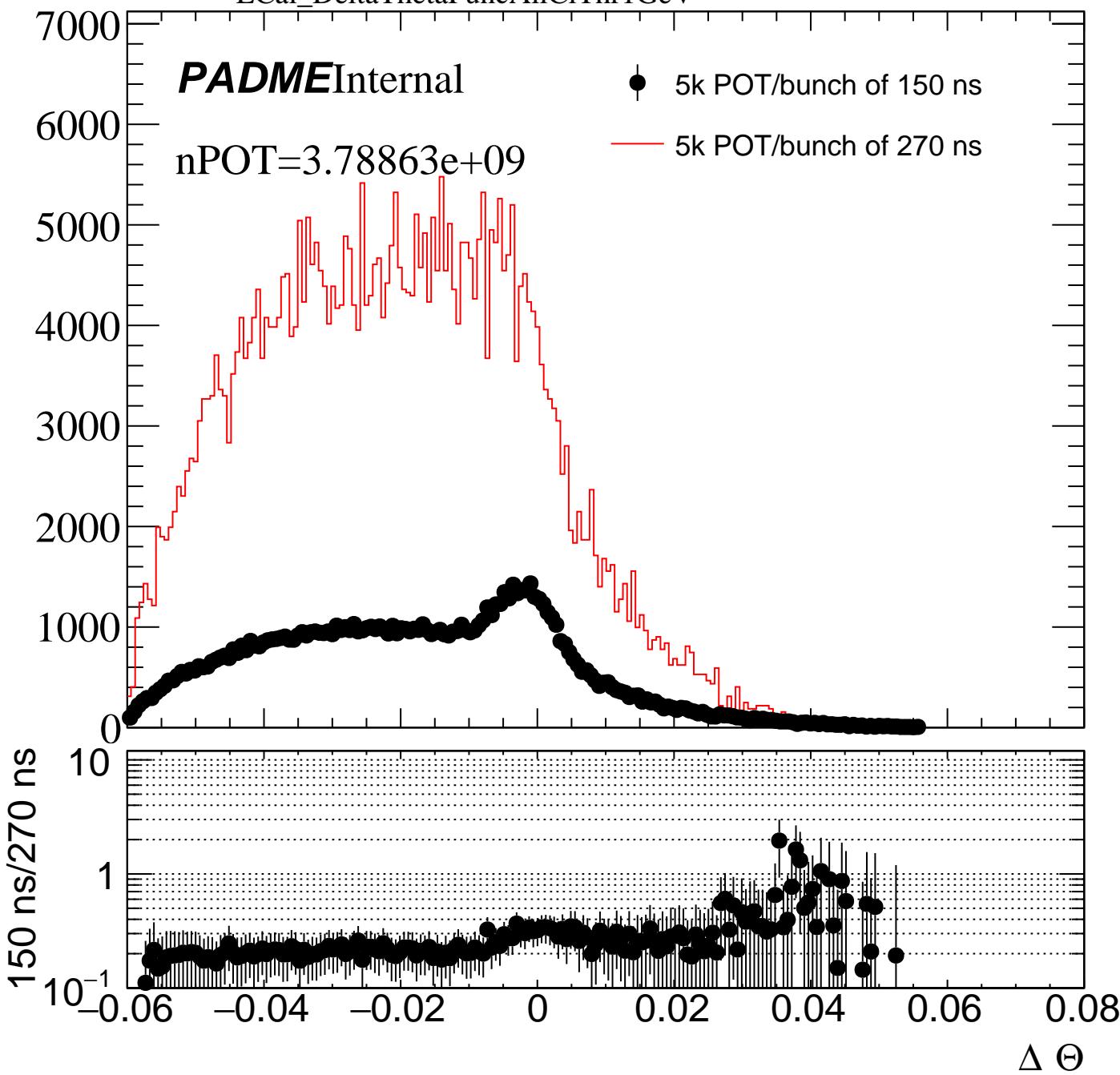




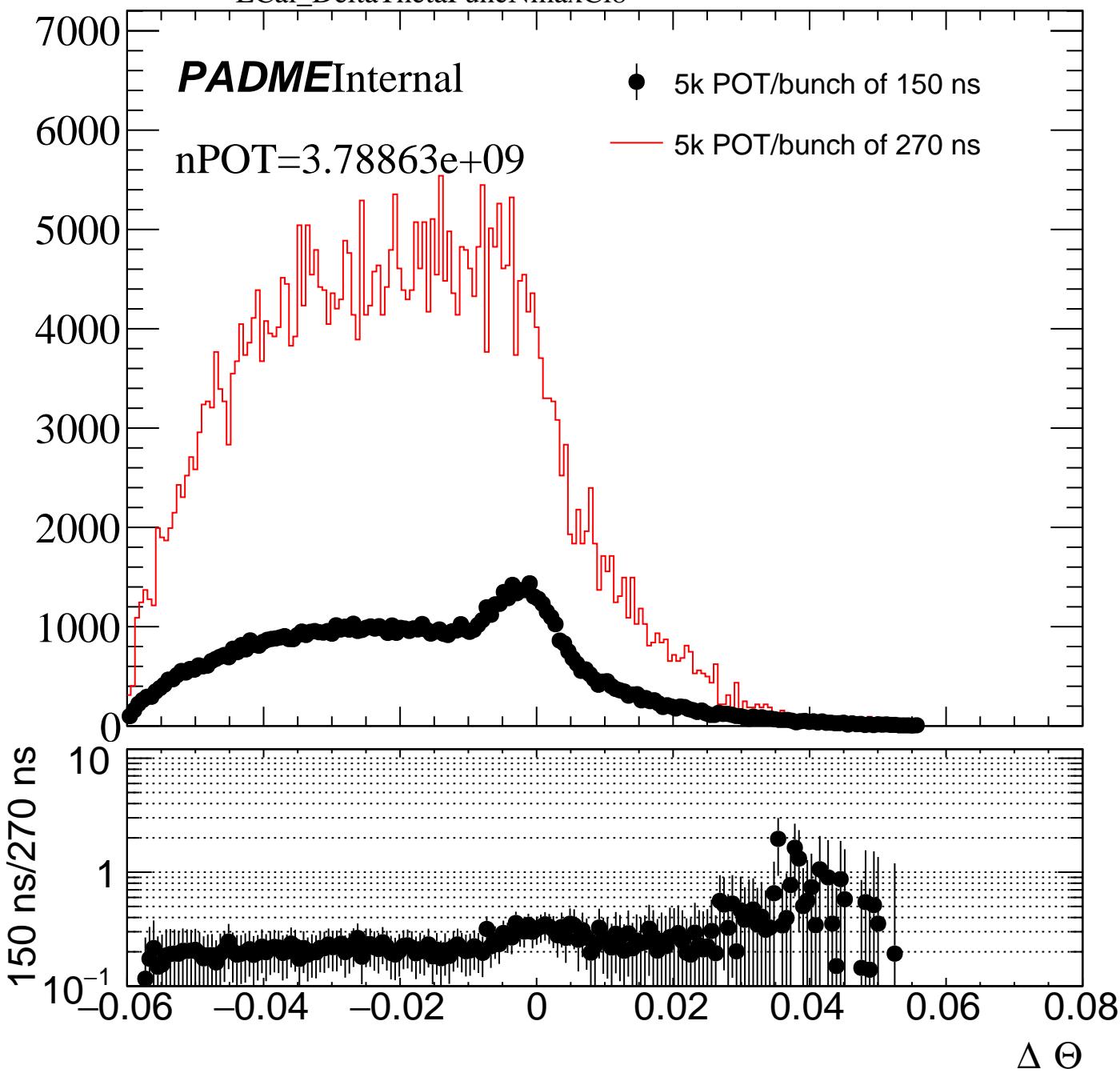
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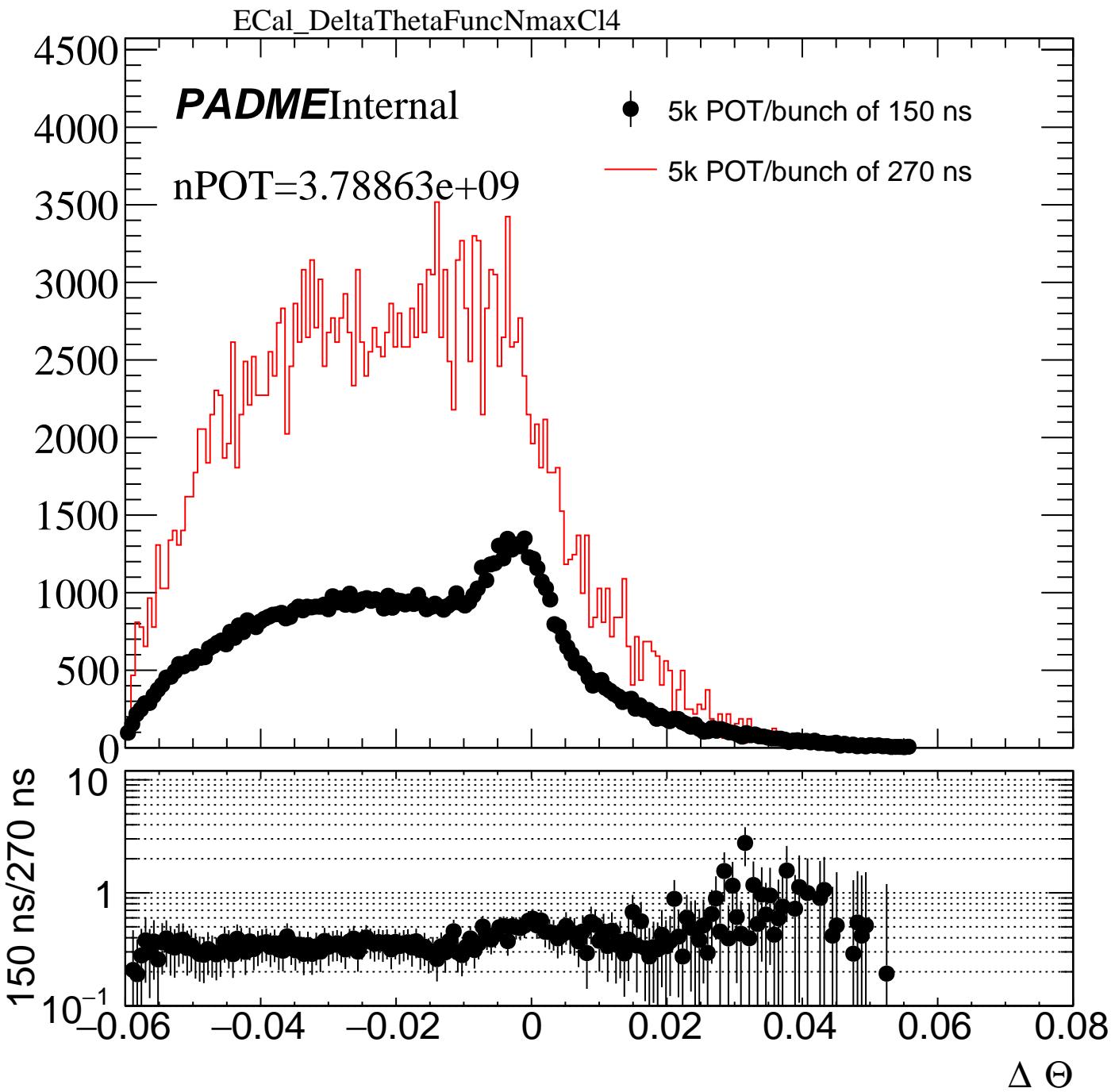


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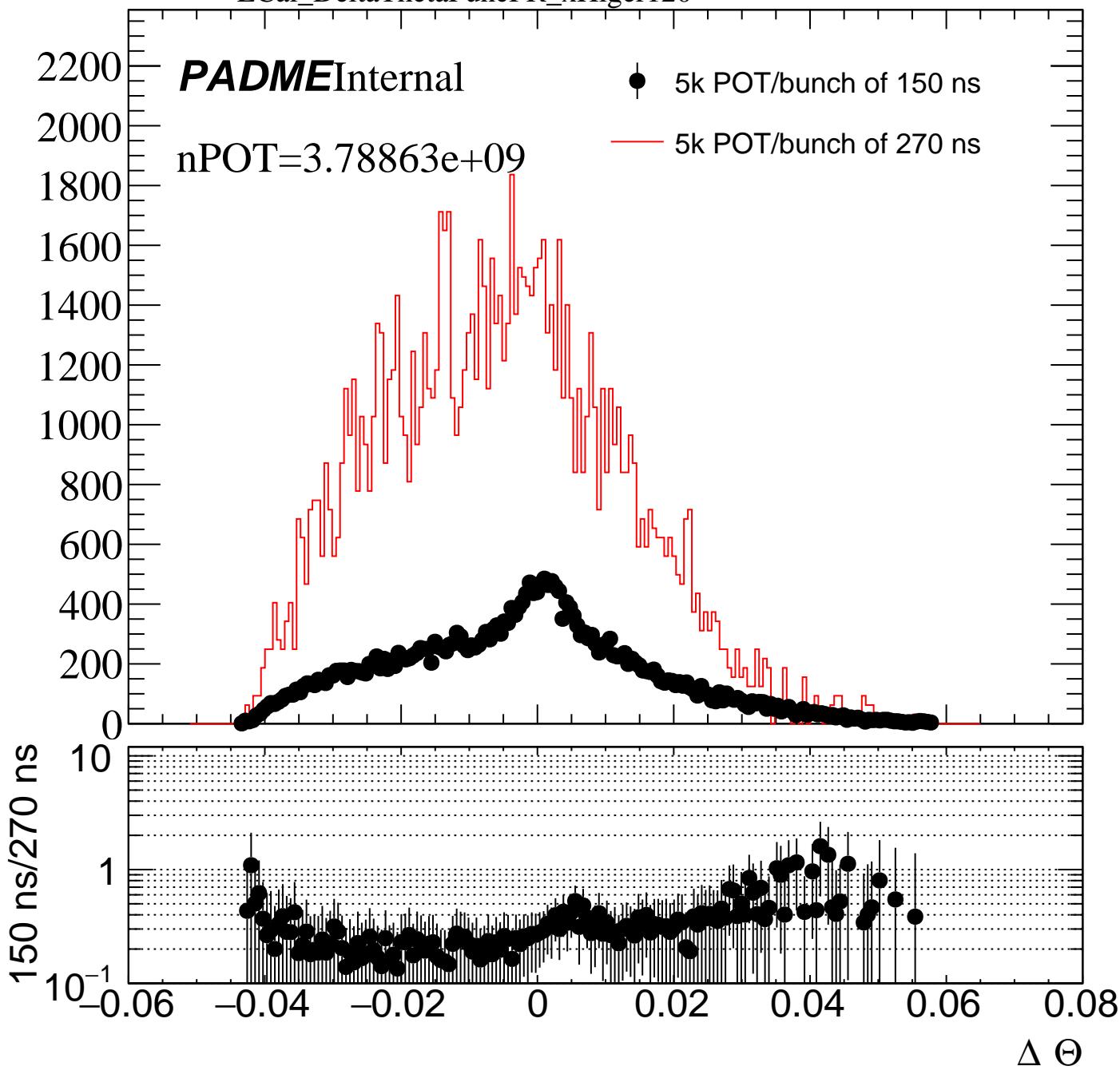


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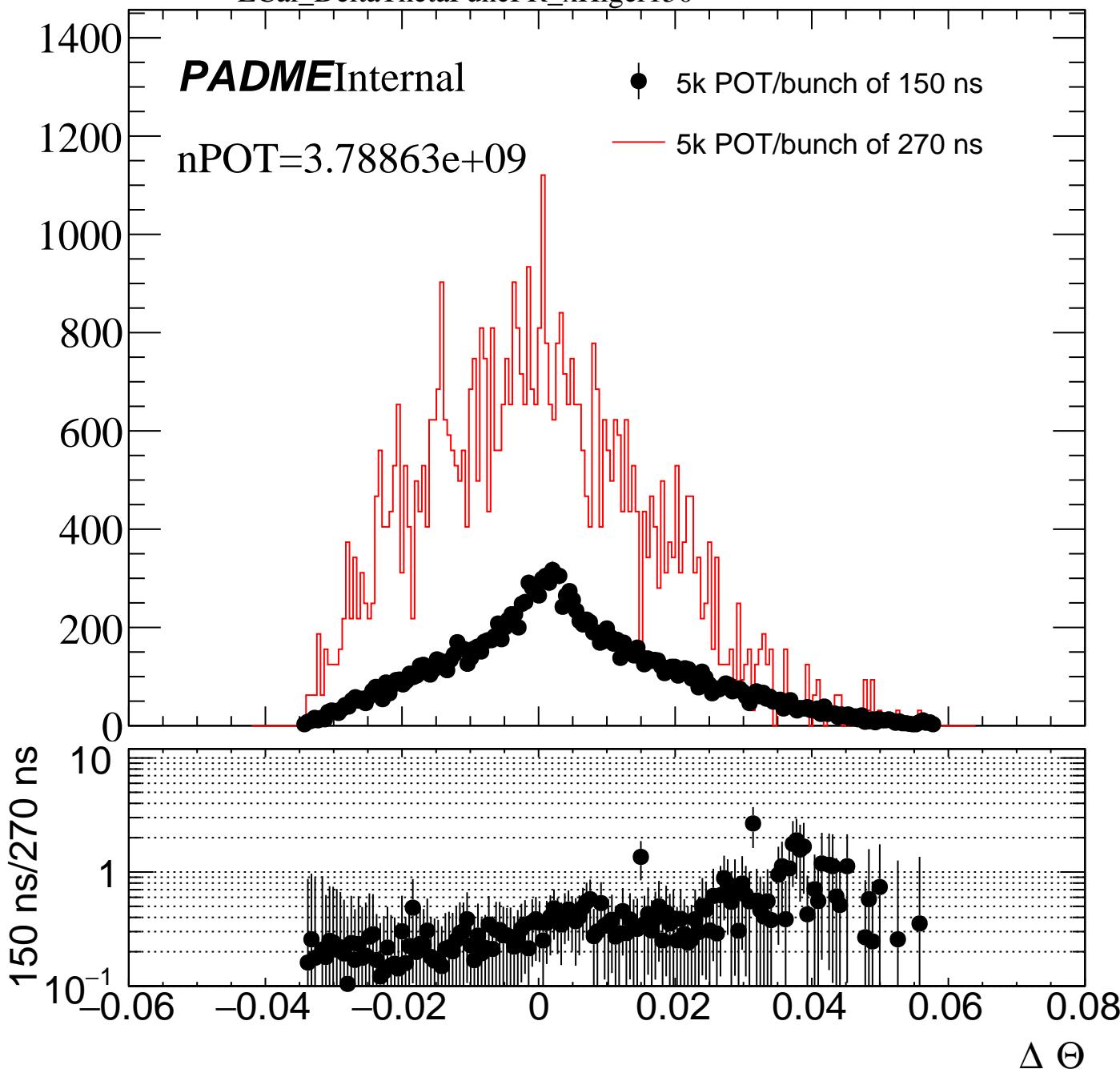


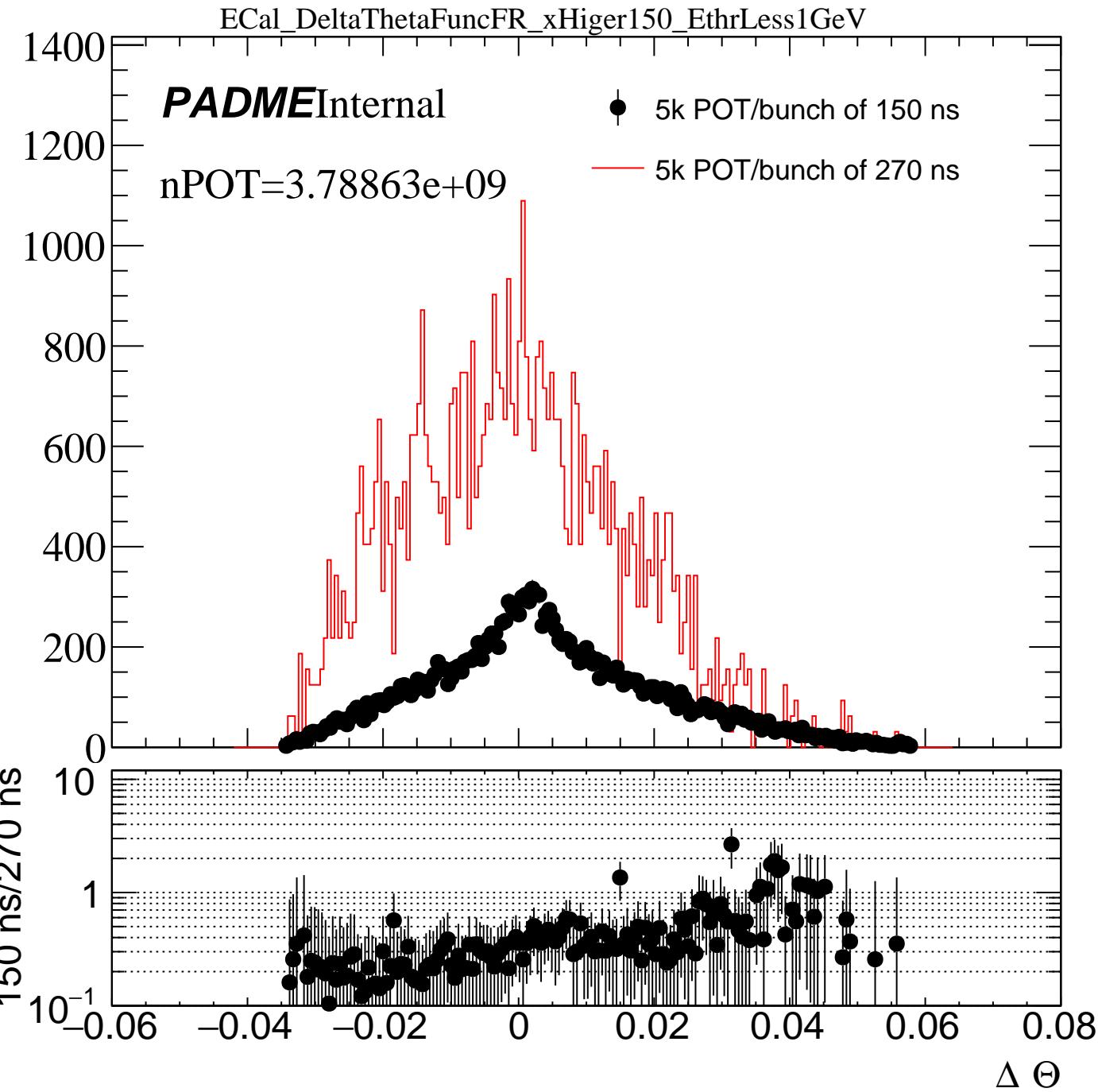


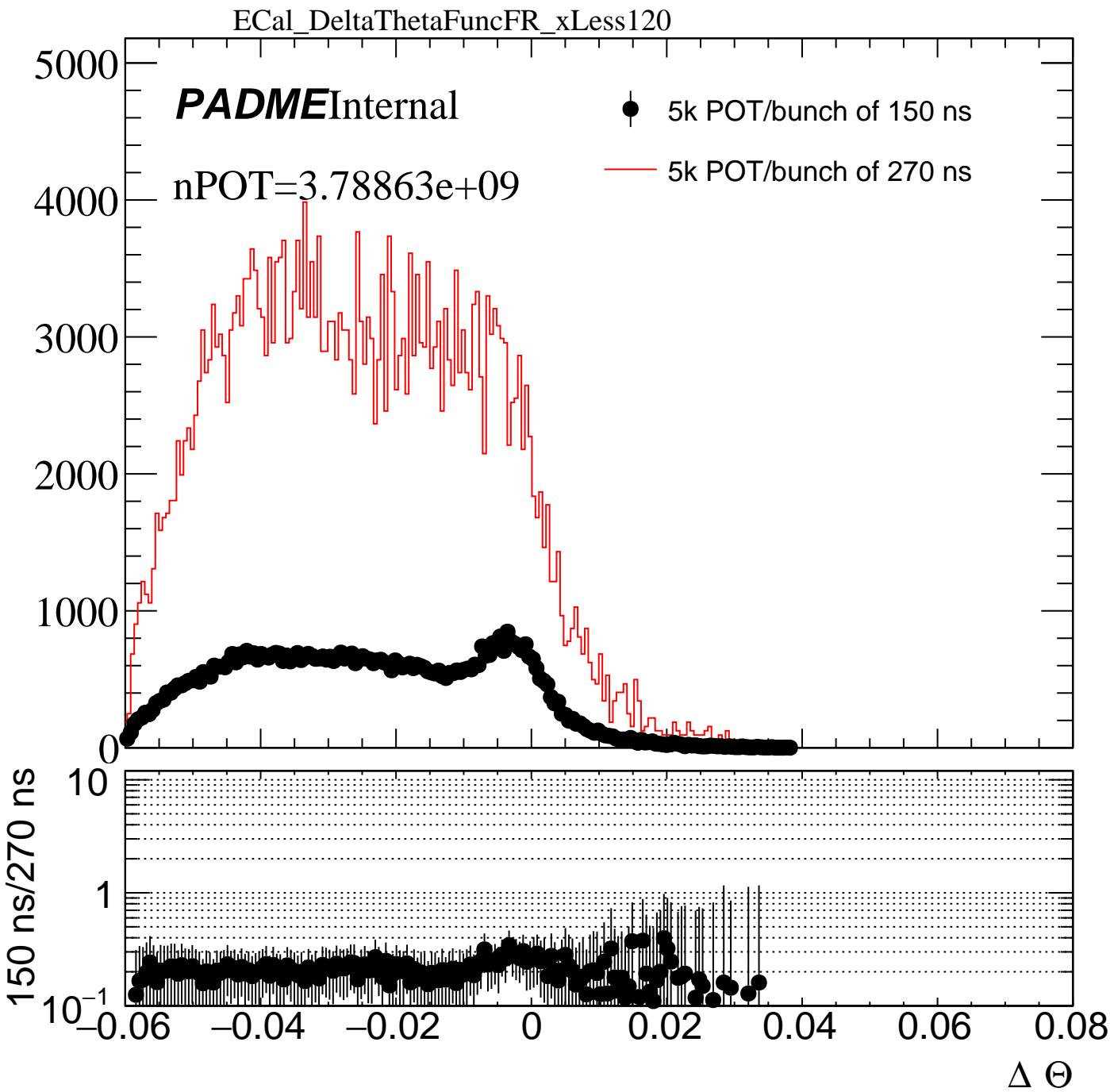
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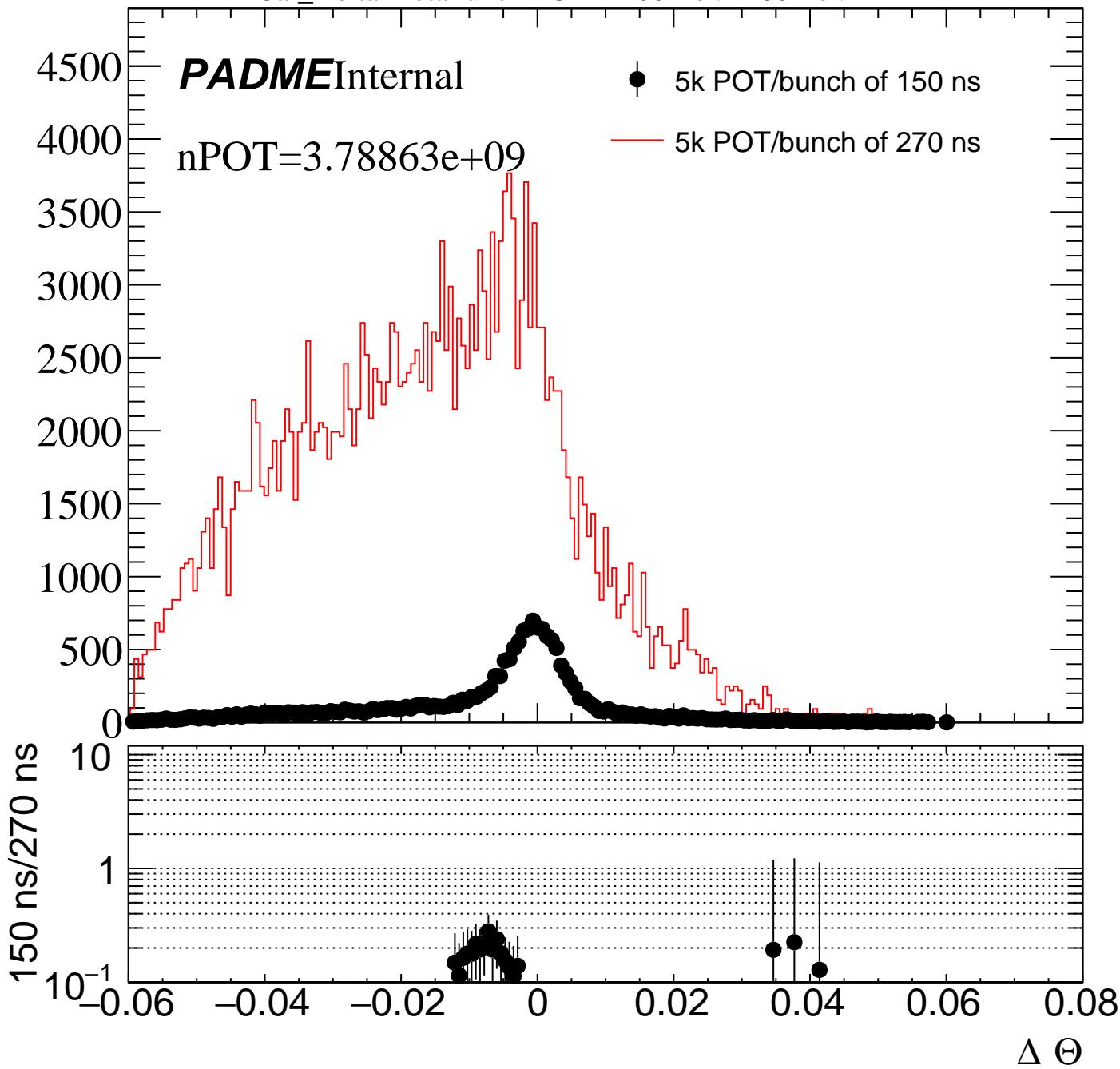
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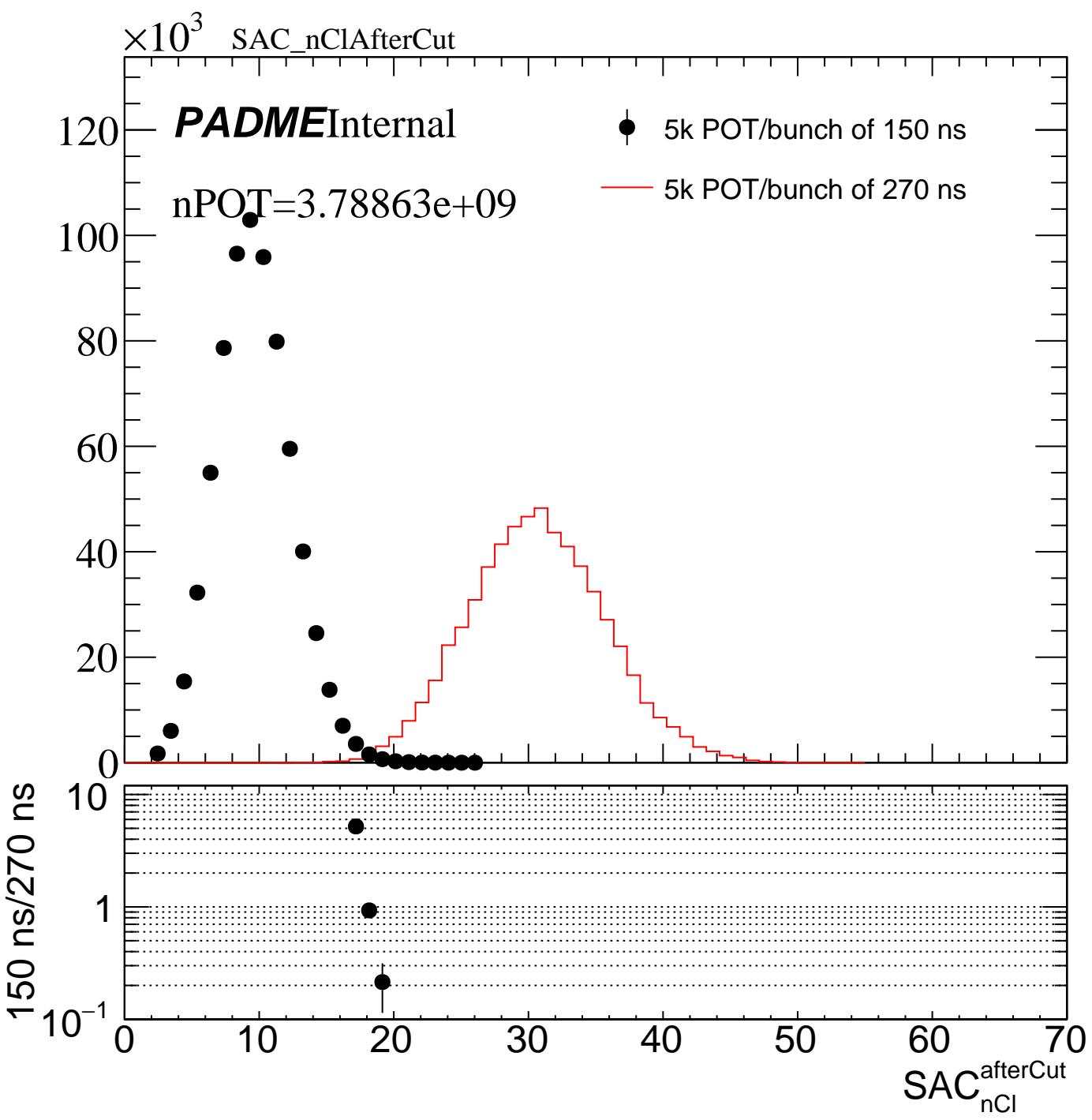




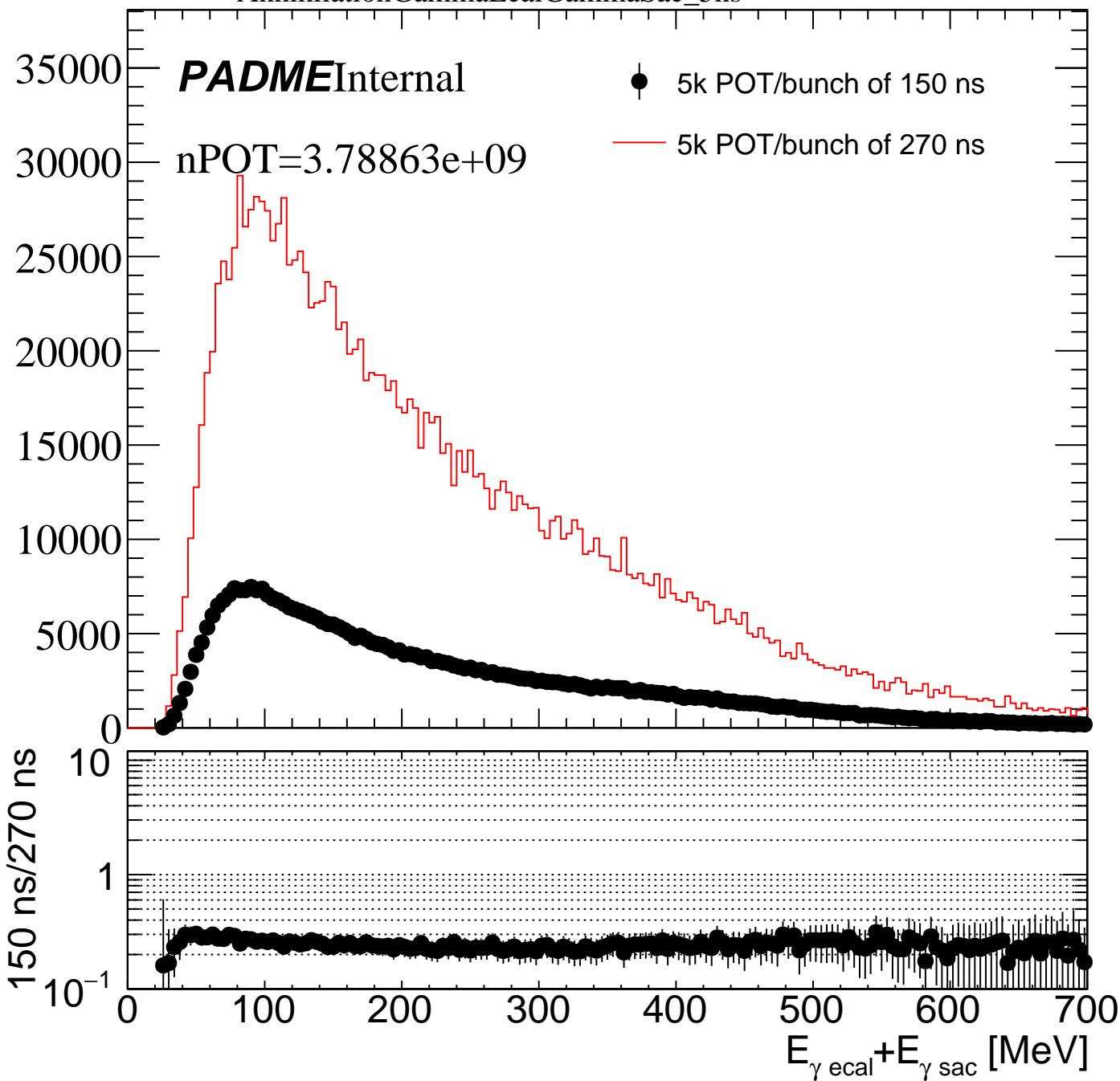


ECal_DeltaThetaFuncAllClThr400MeV1200MeV

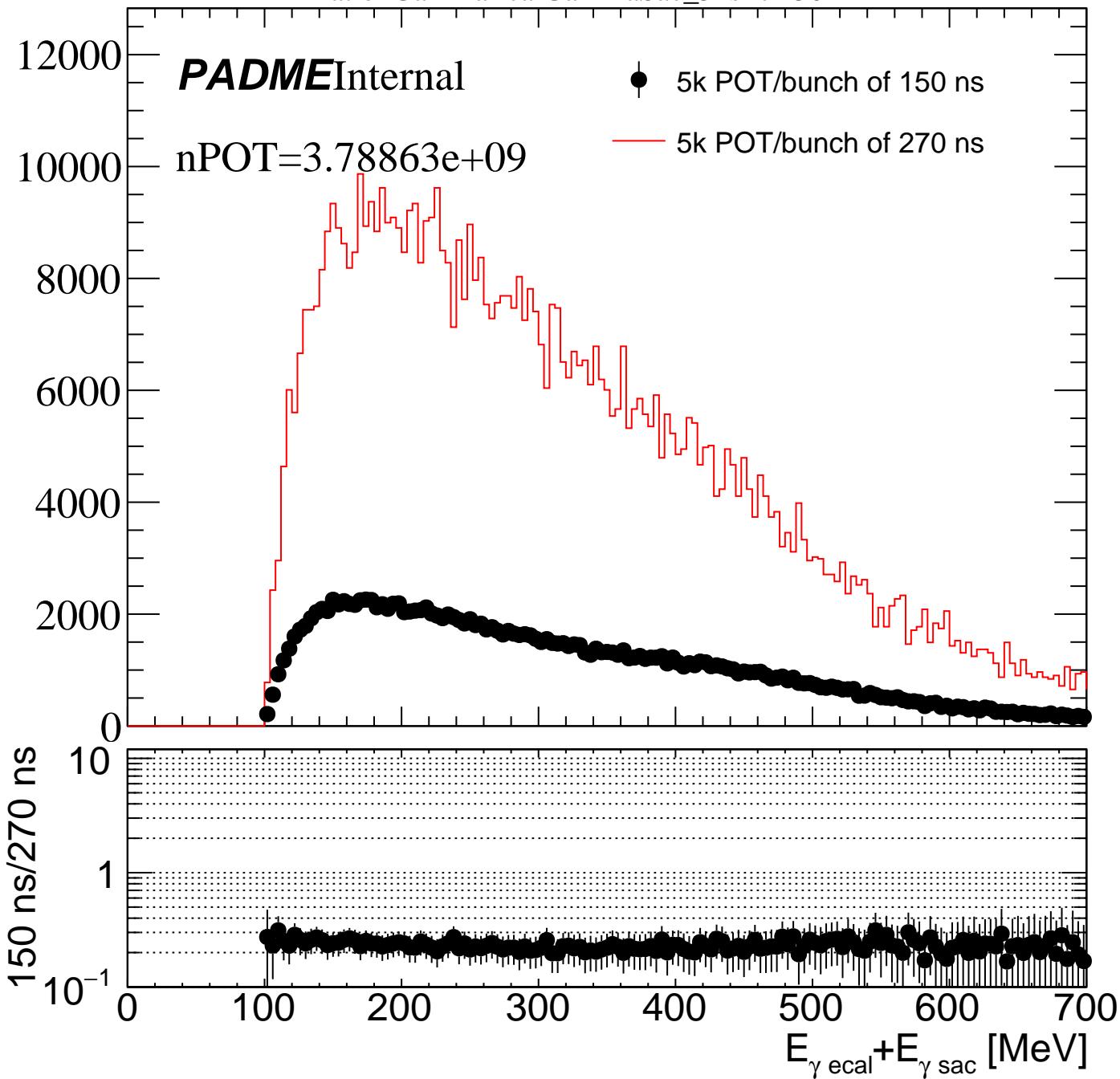


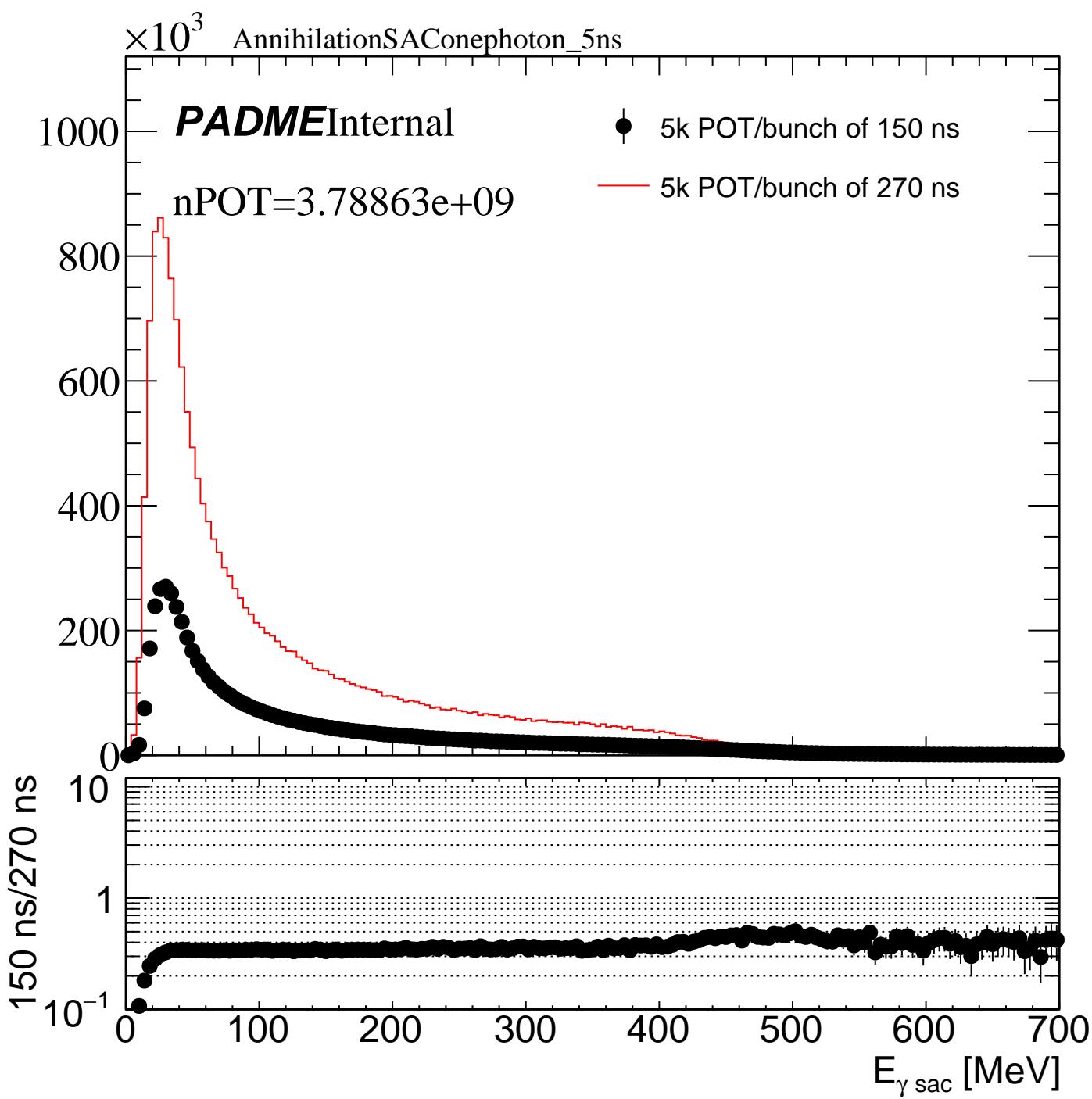


AnnihilationGammaEcalGammaSac_5ns

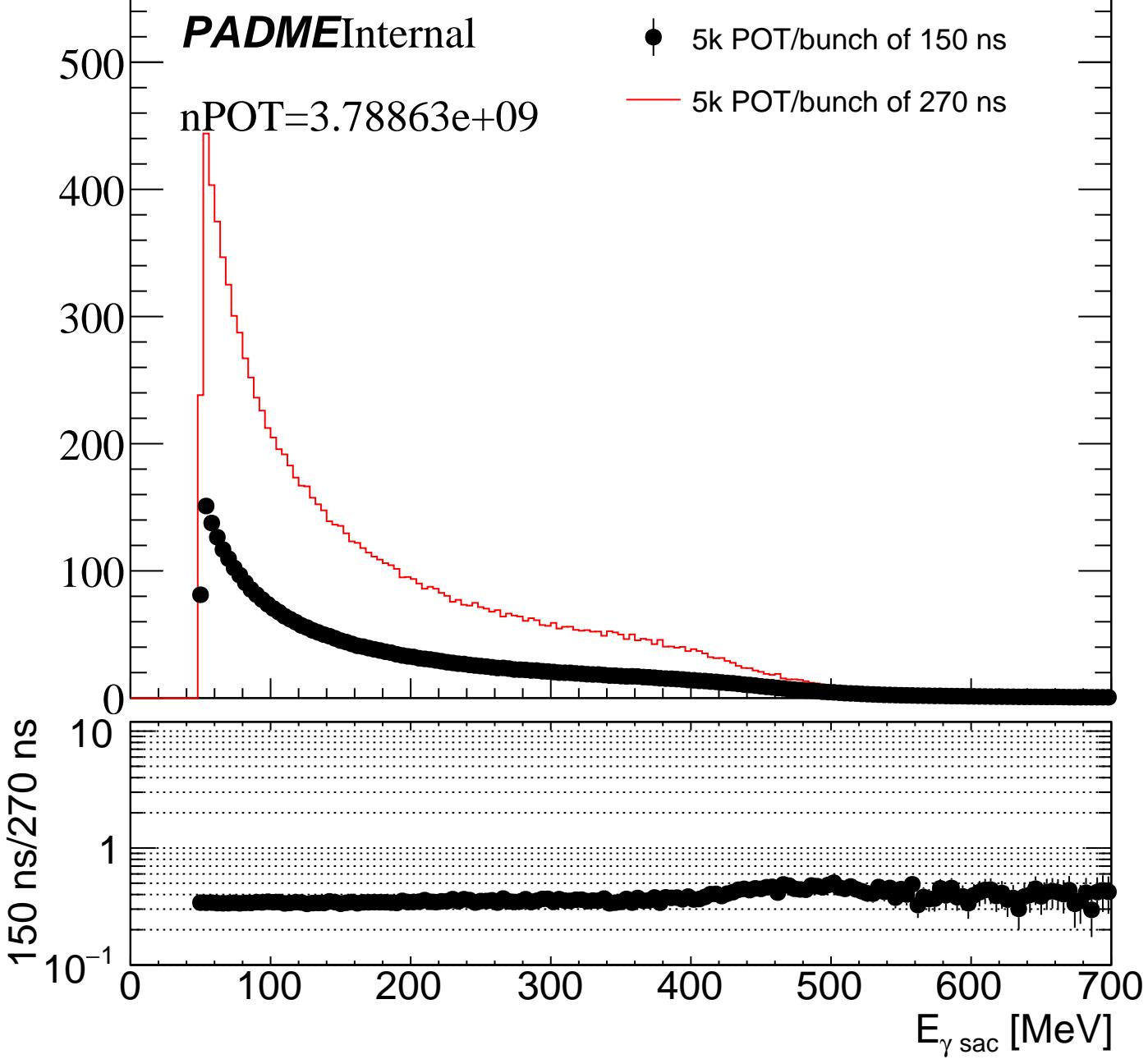


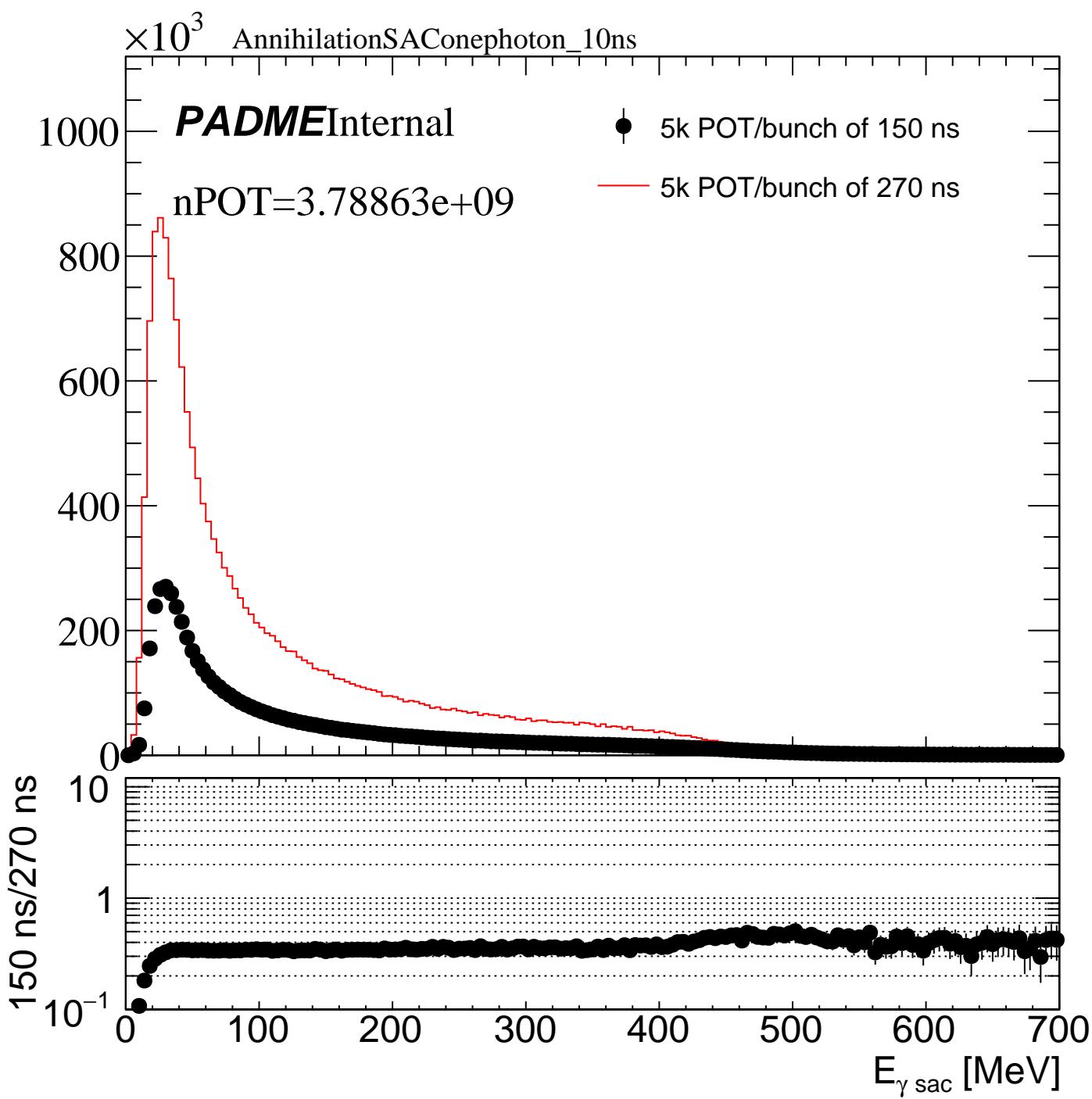
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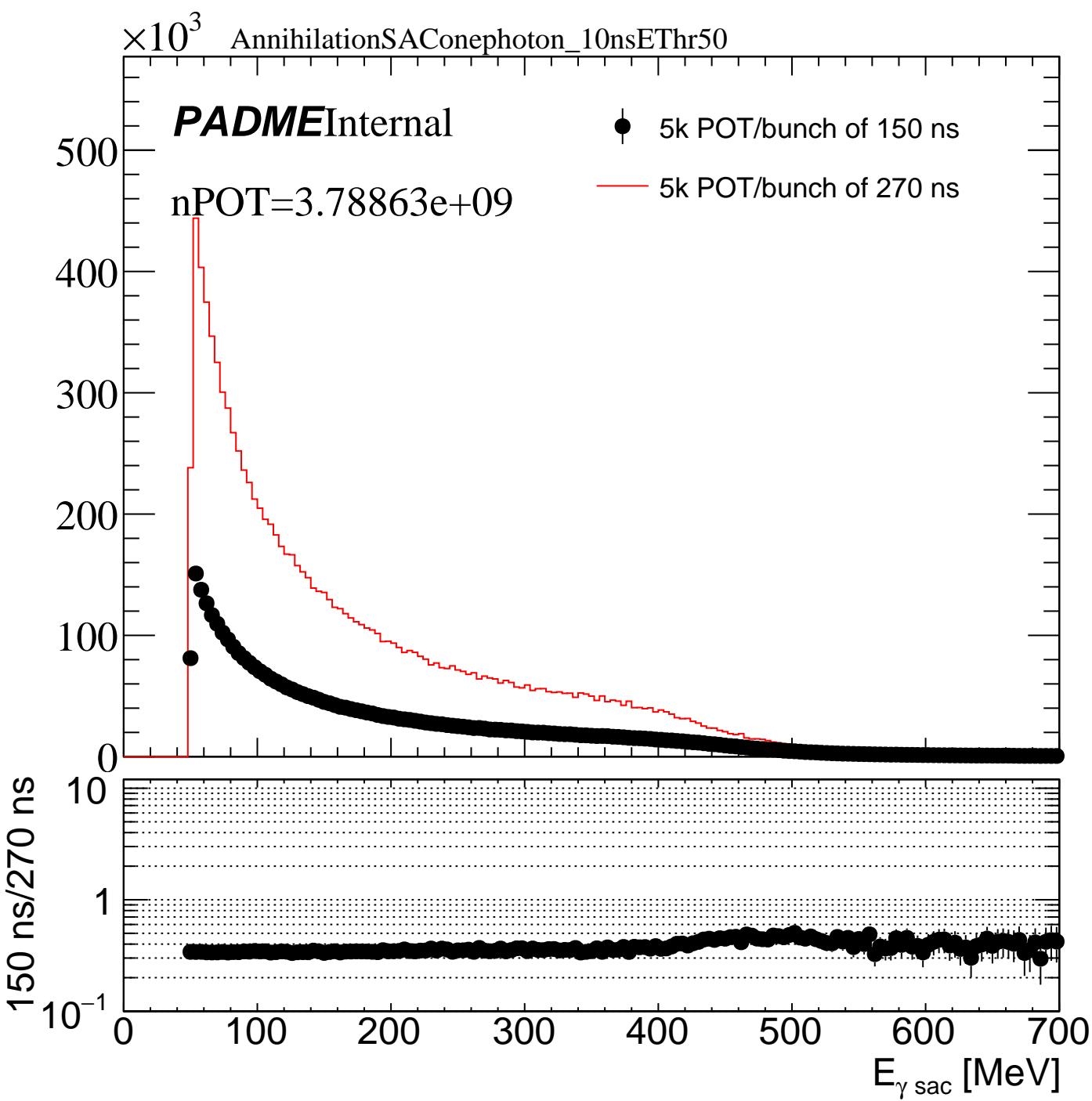




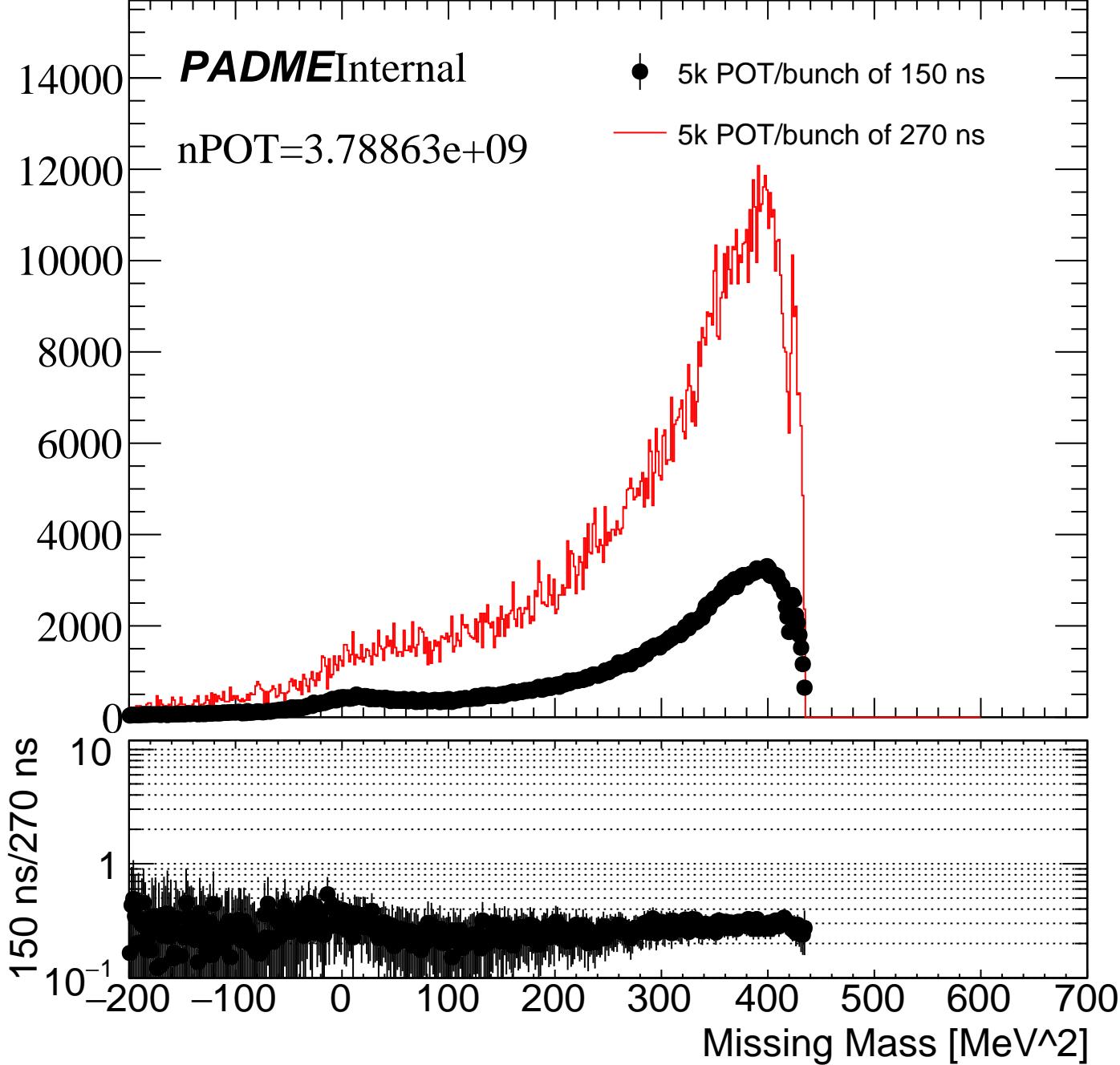
$\times 10^3$ AnnihilationSAConephoton_5nsEThr50

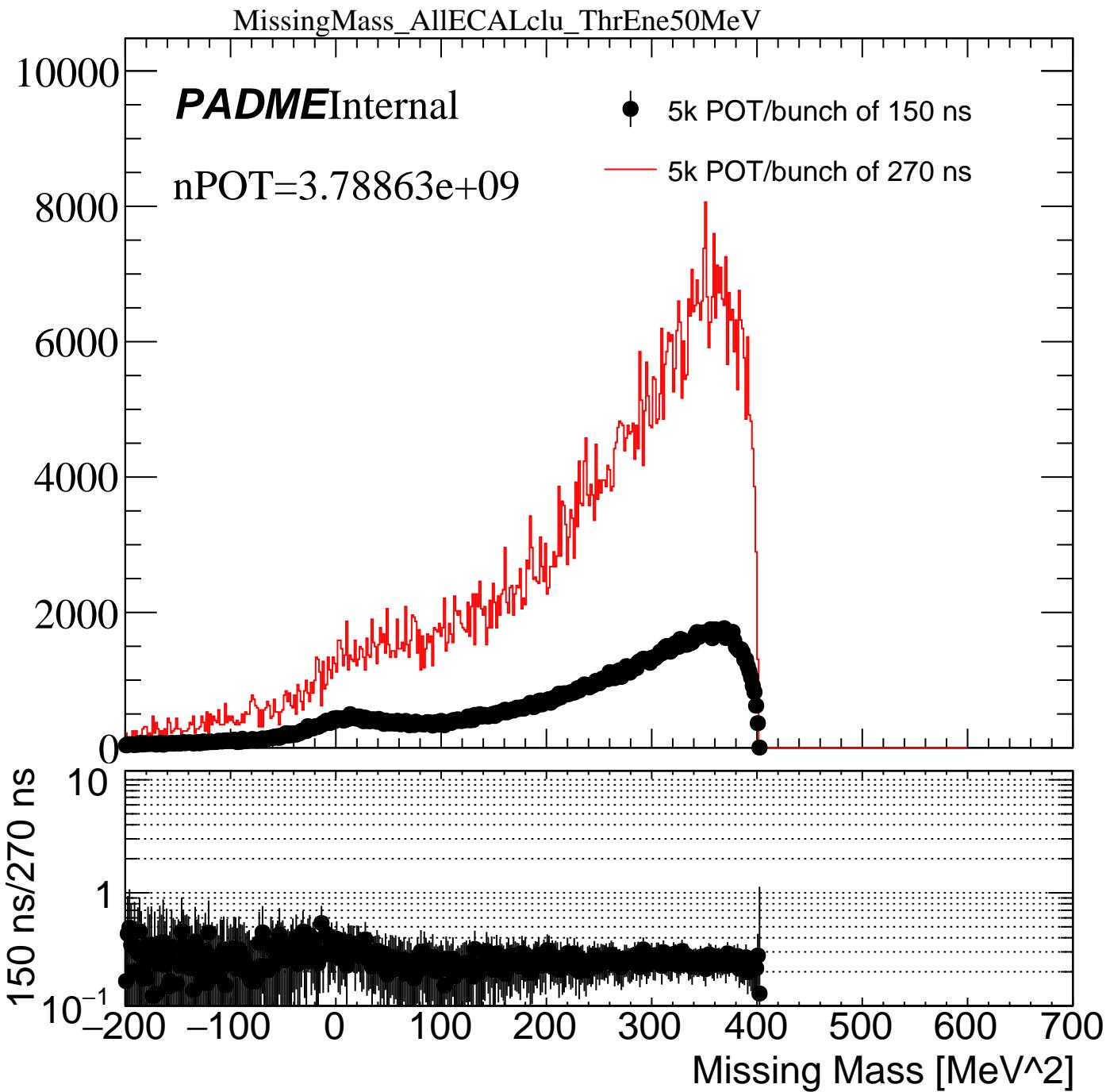




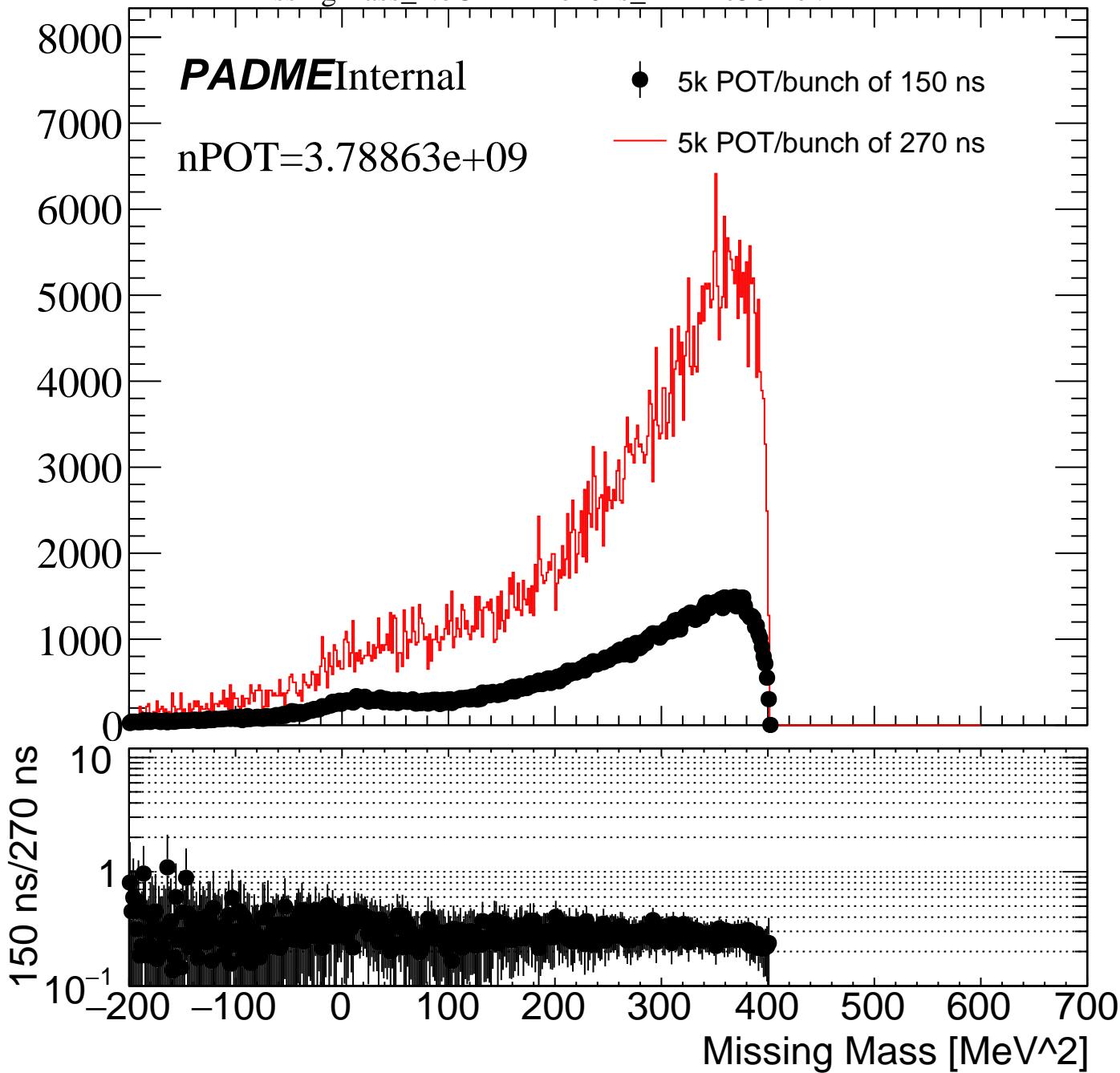


MissingMass_AllECALclu

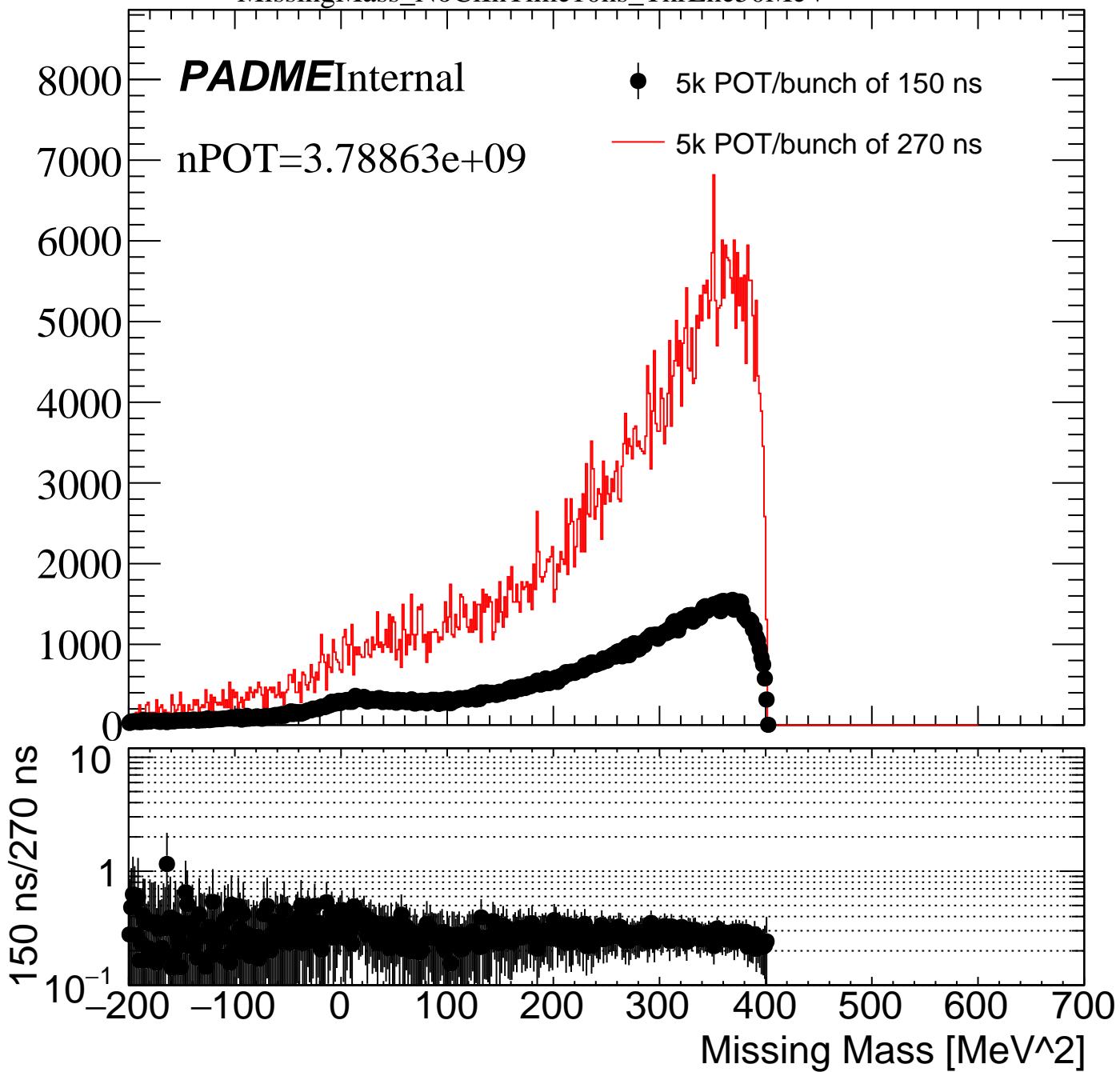




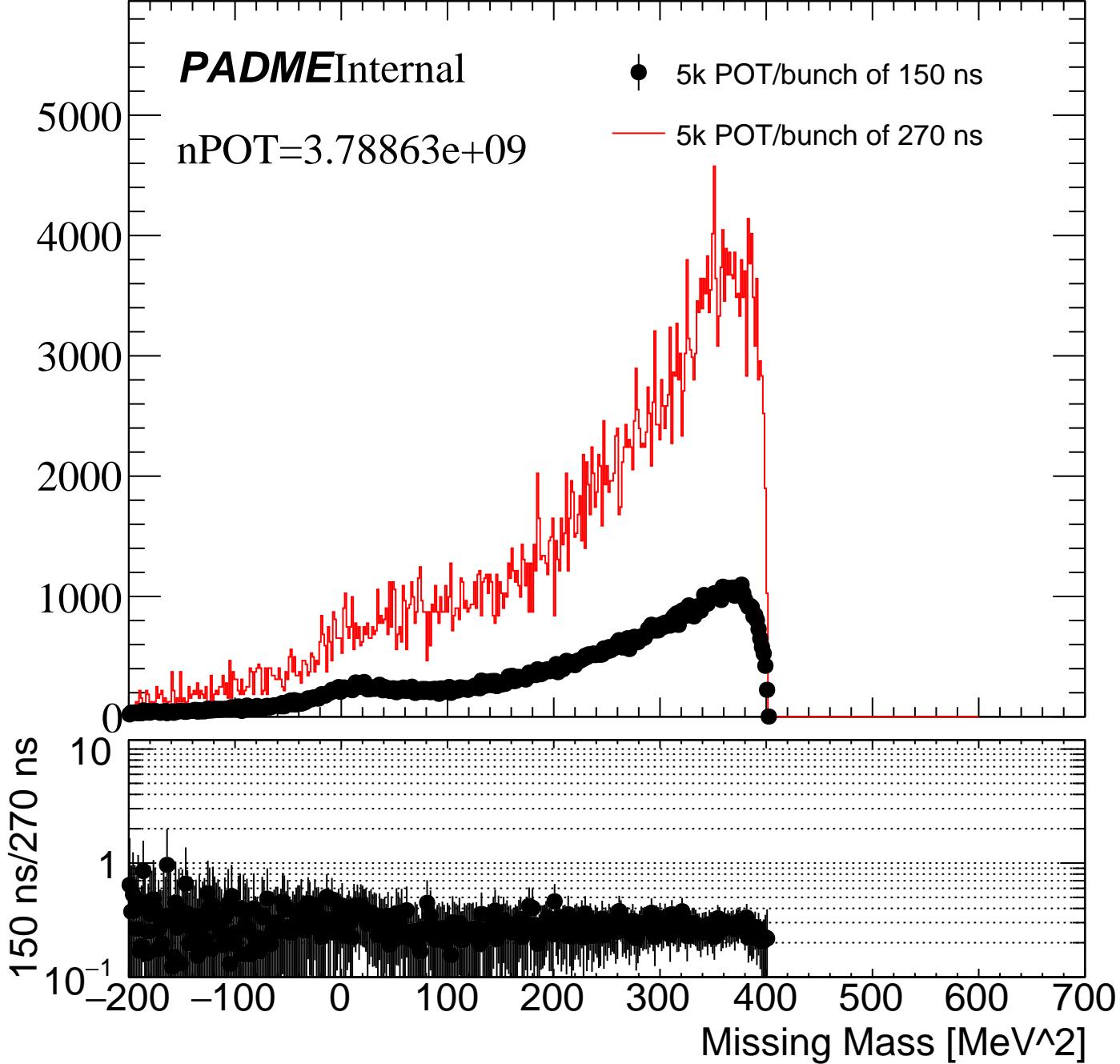
MissingMass_NoClInTime20ns_ThrEne50MeV

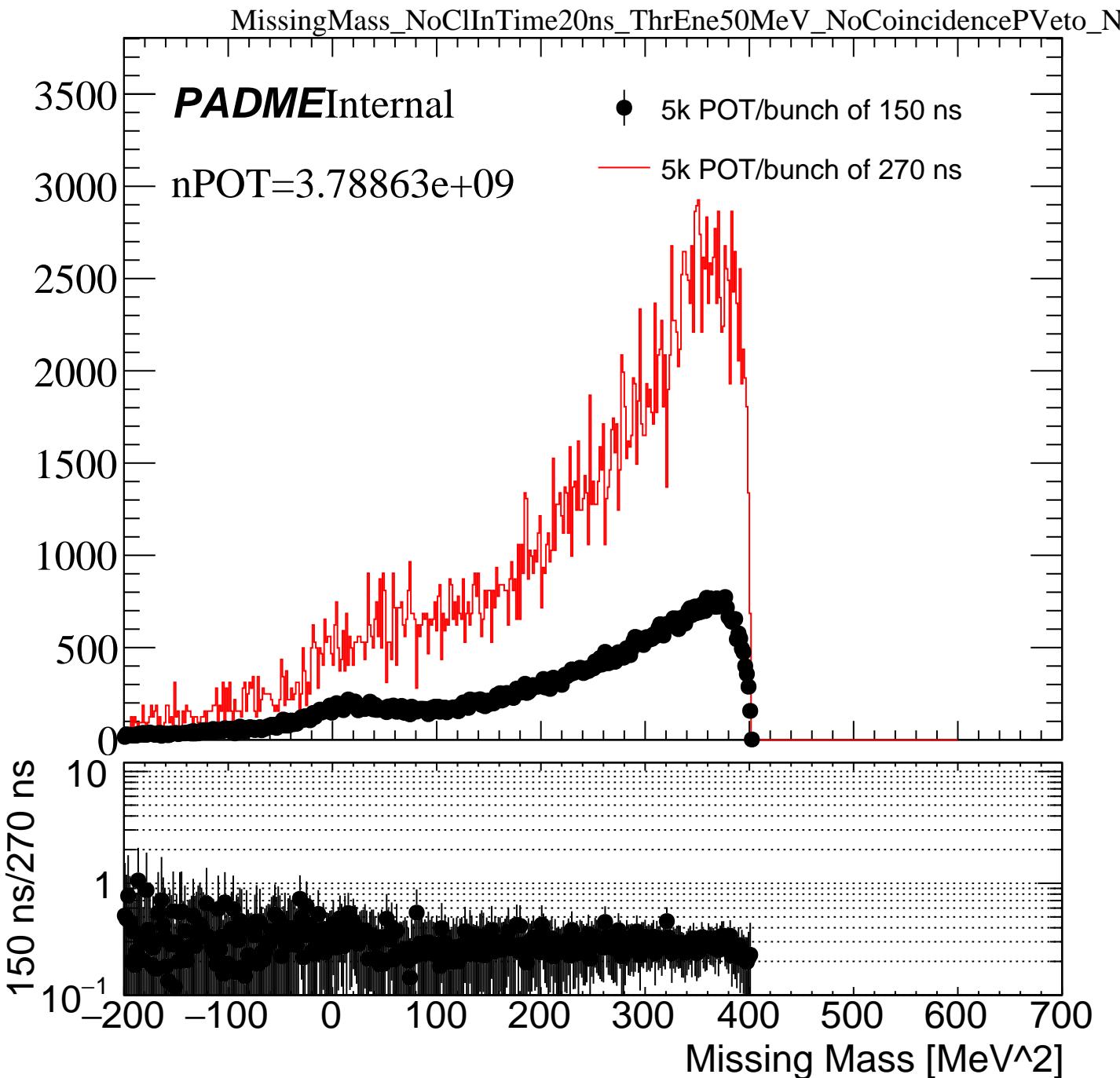


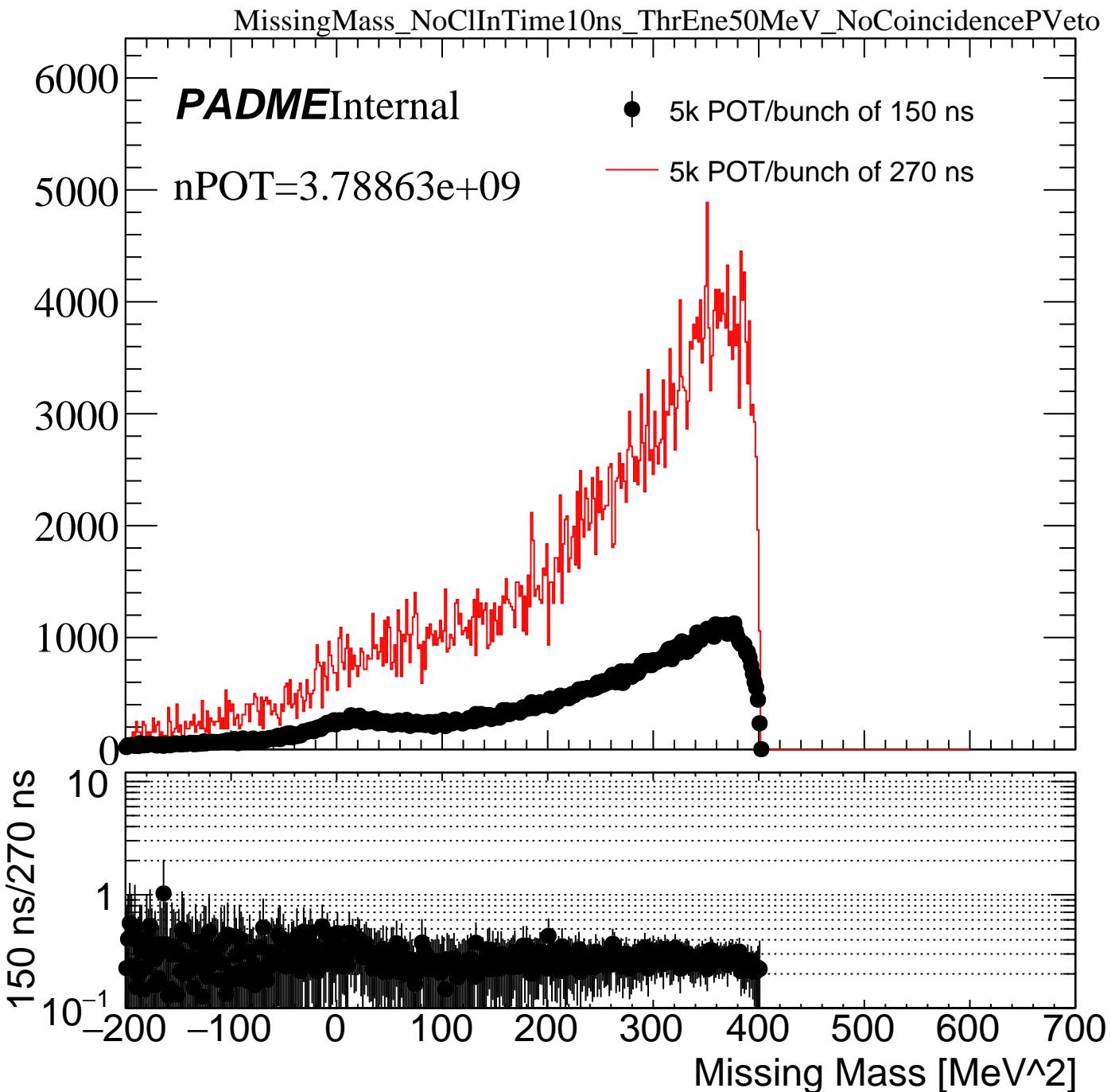
MissingMass_NoClInTime10ns_ThrEne50MeV

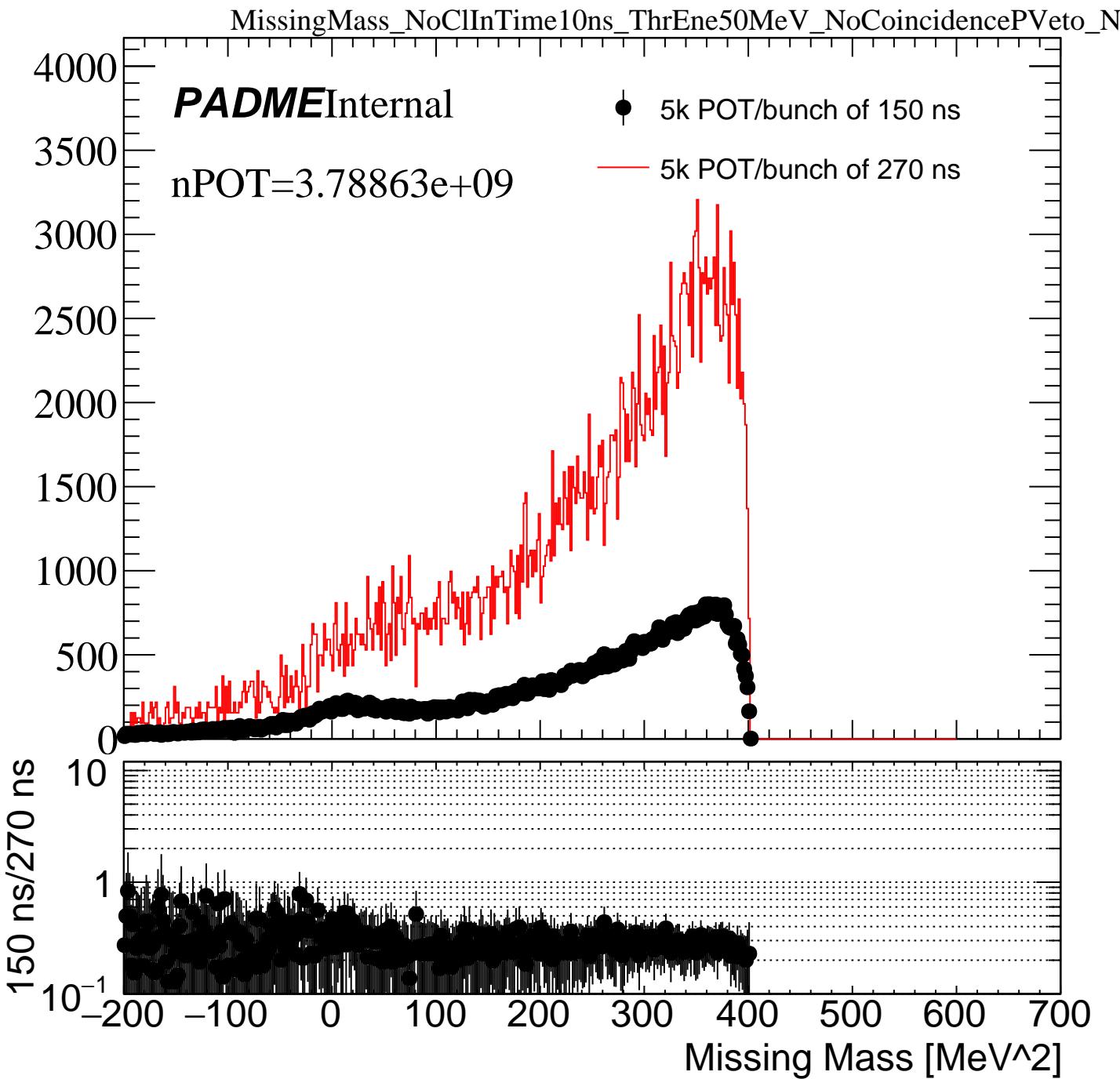


MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto

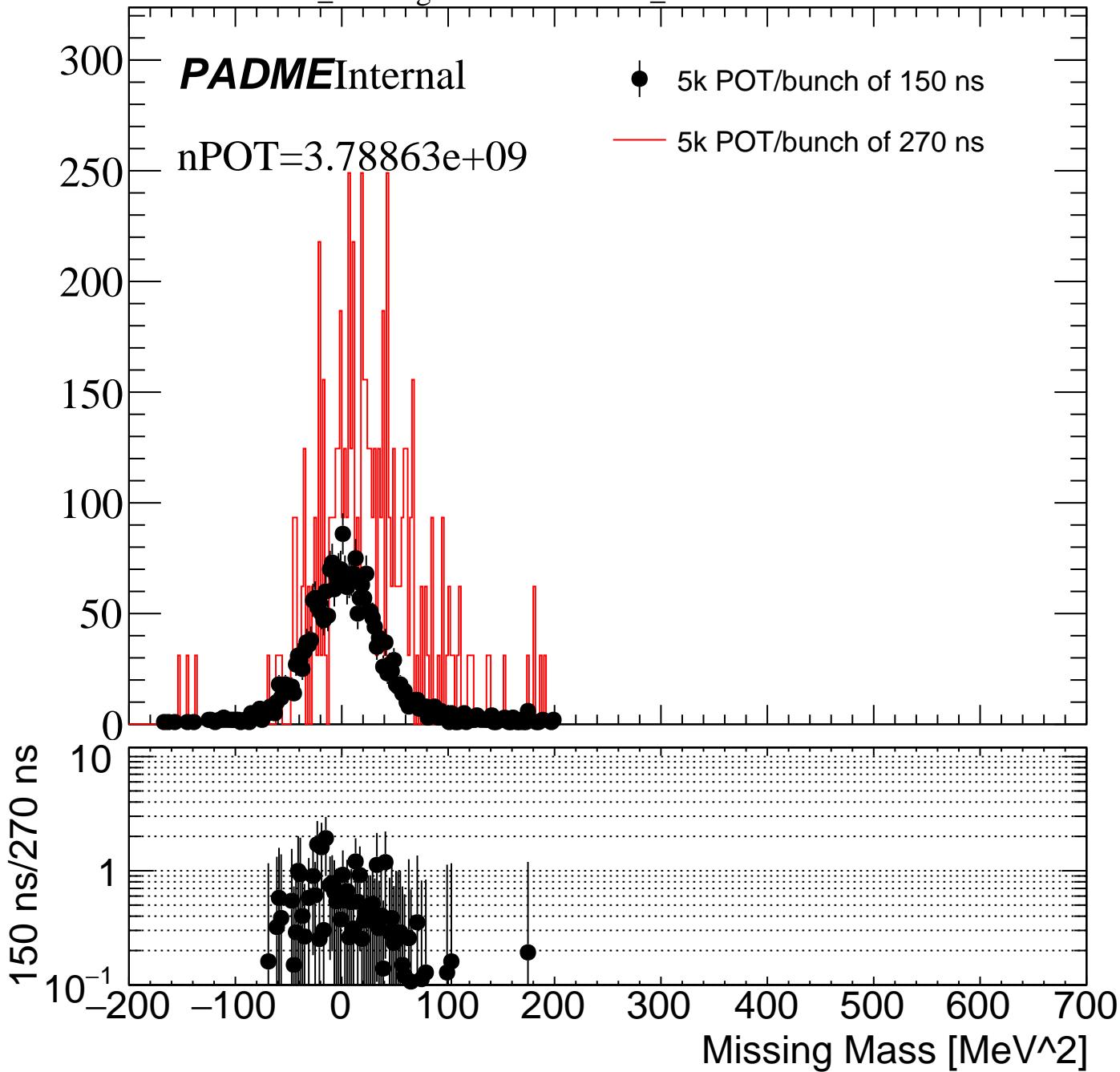








ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90



ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90

