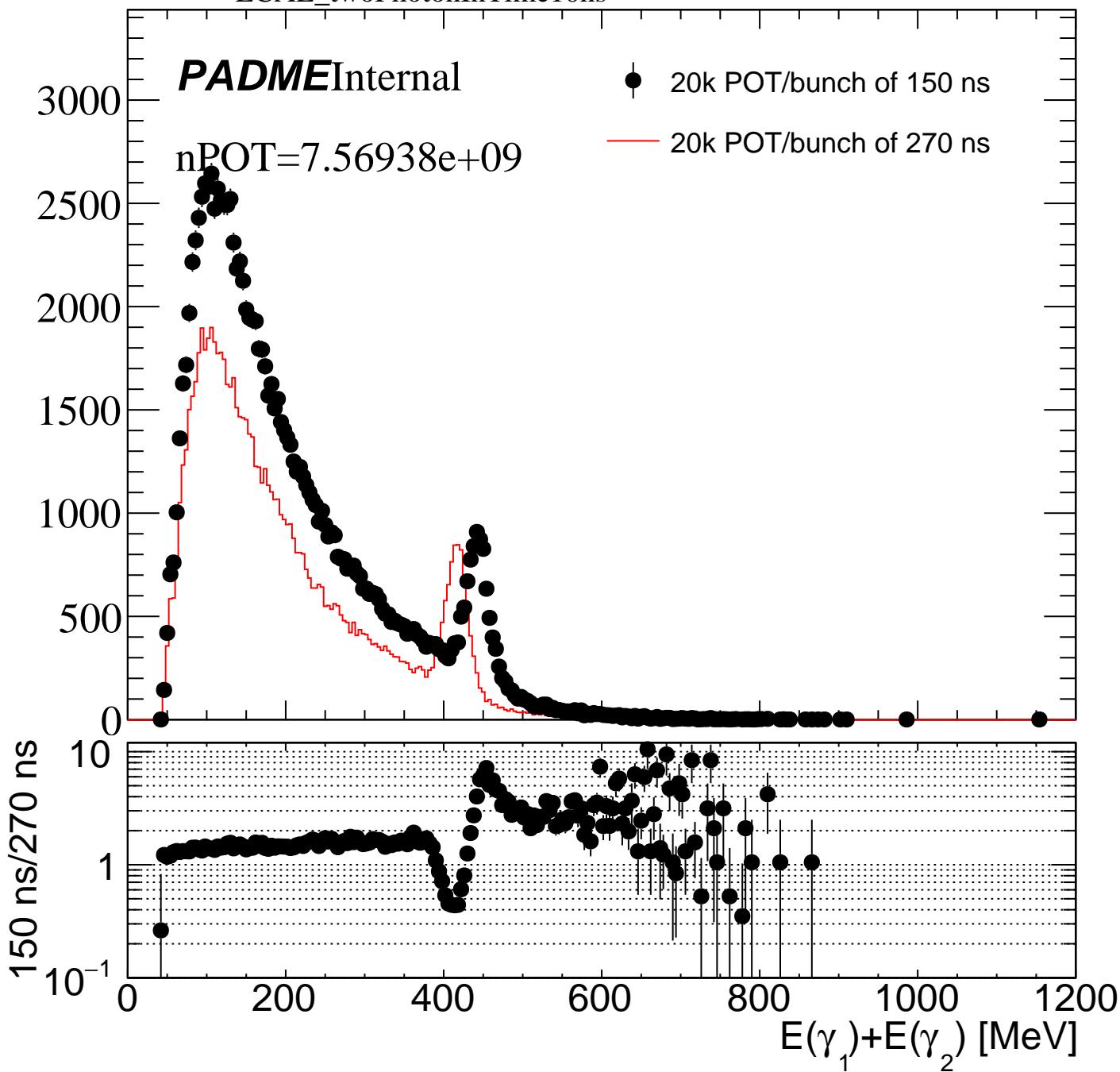
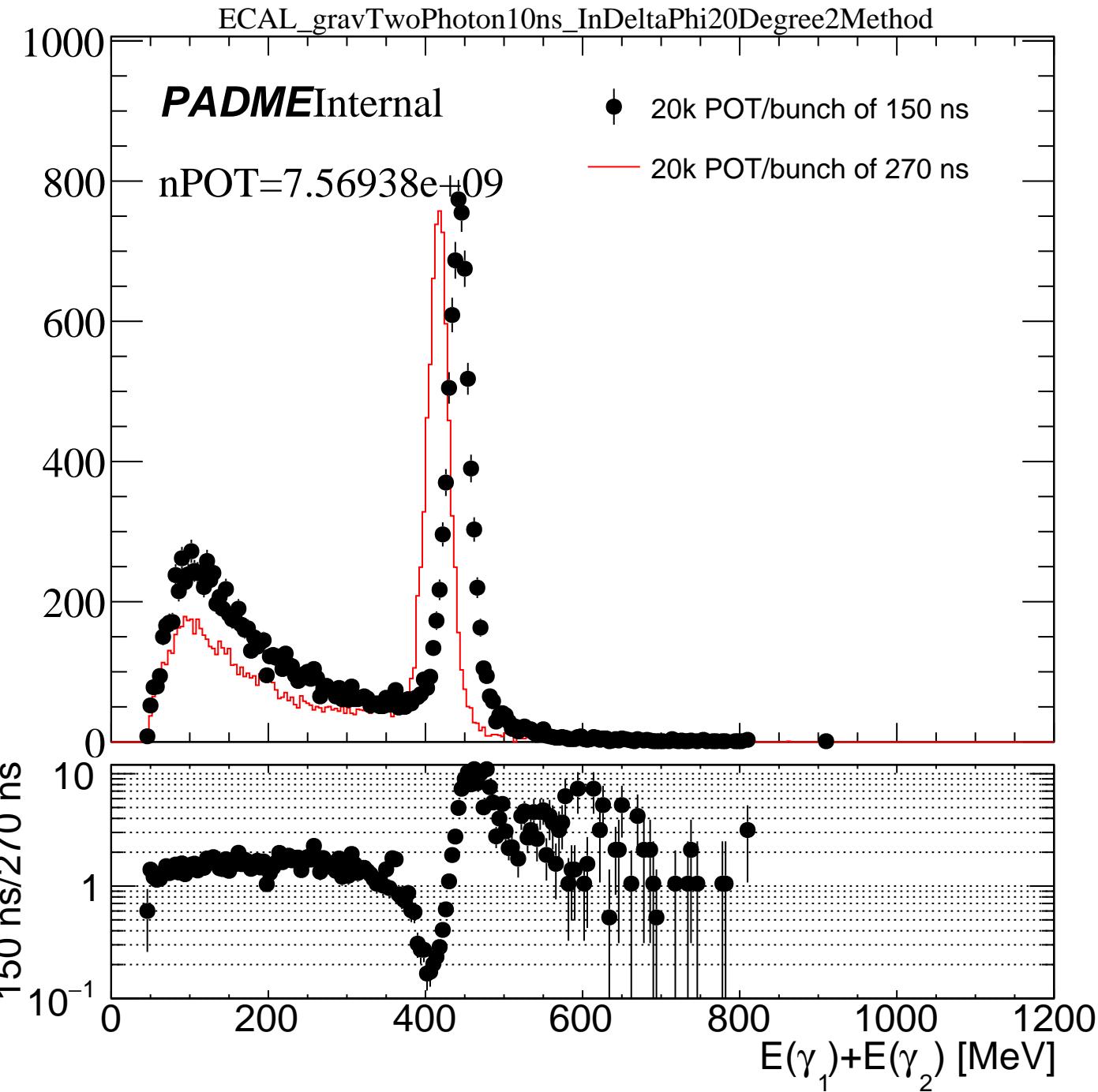
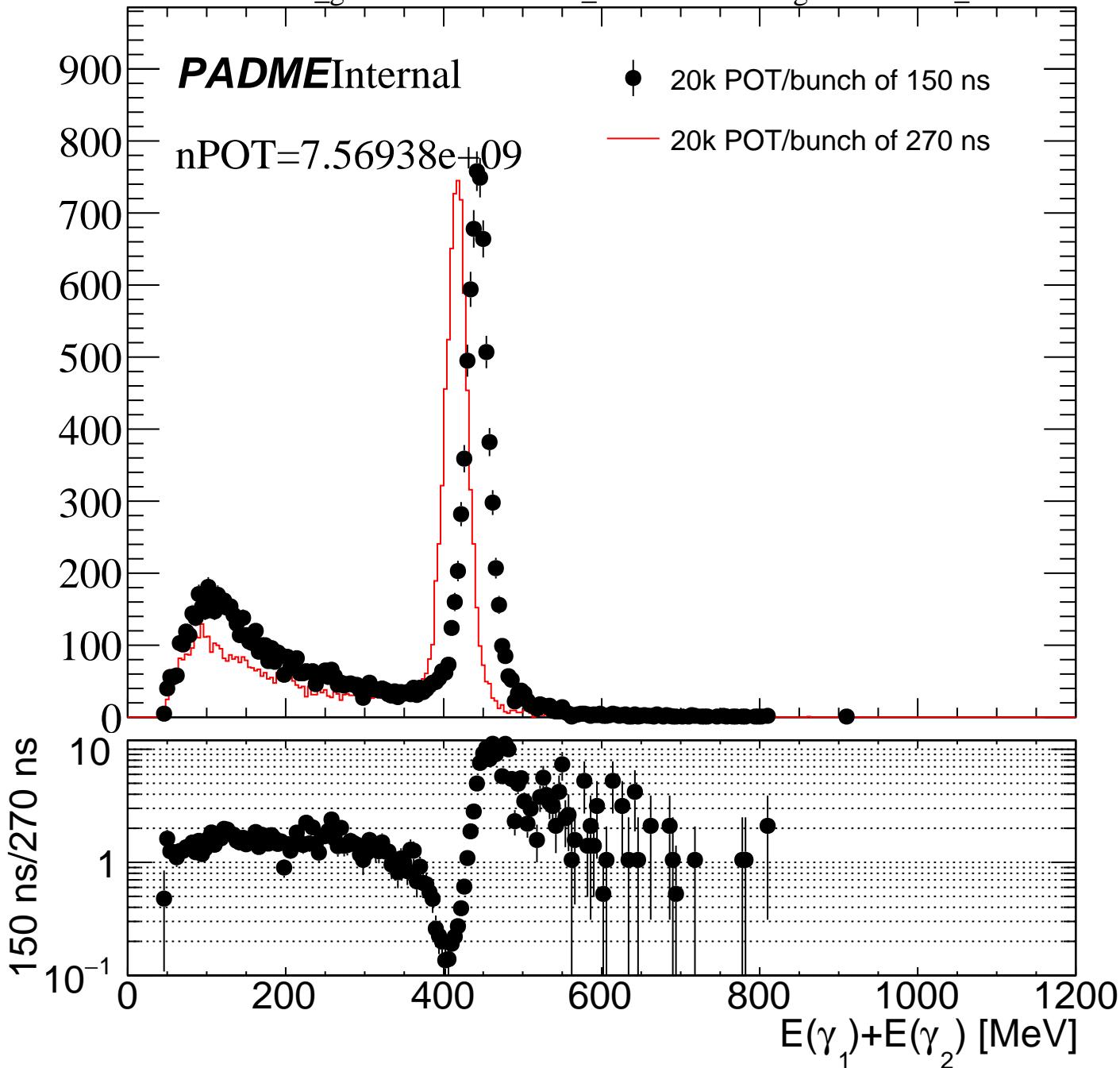


ECAL_twoPhotonInTime10ns

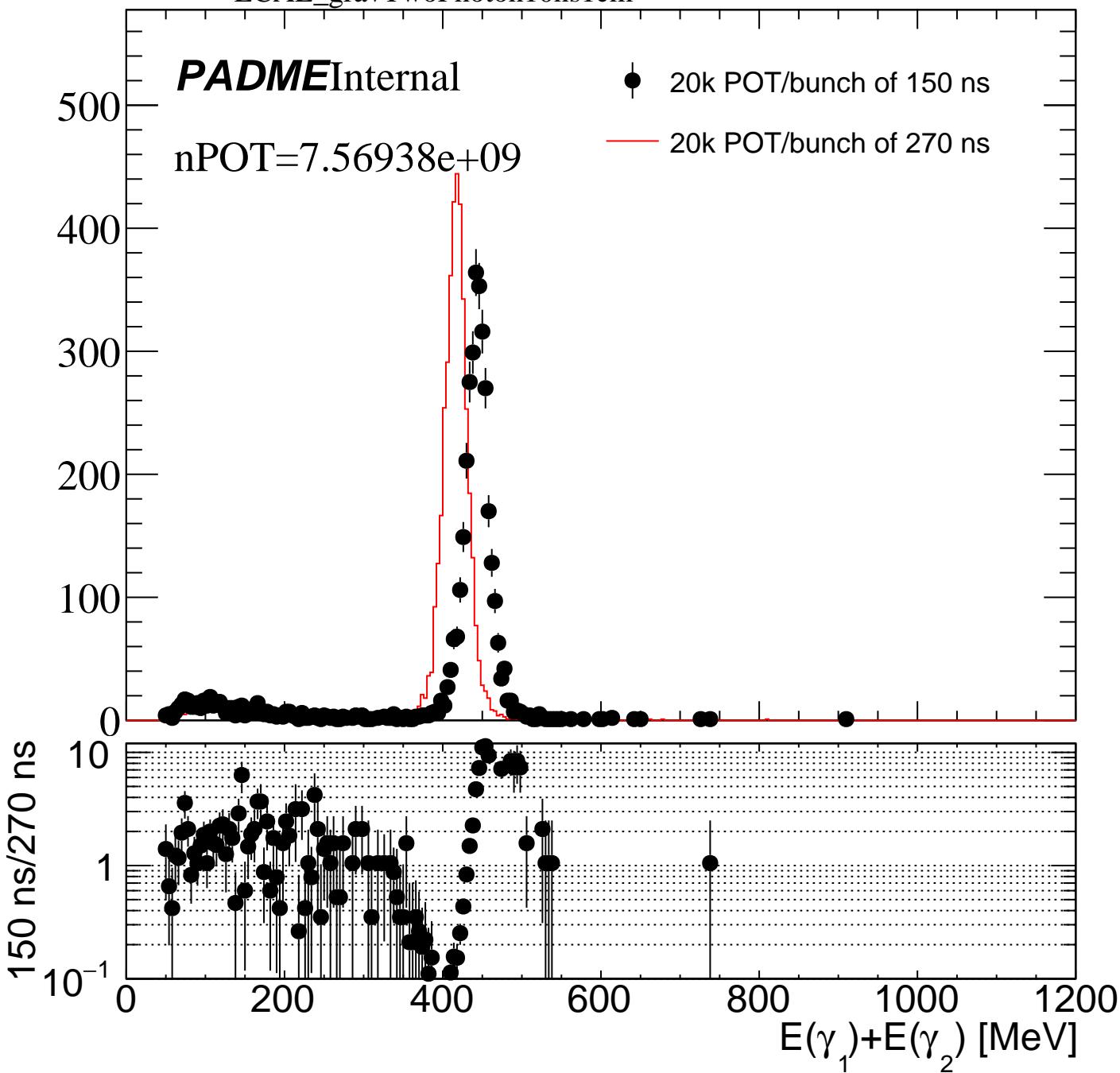




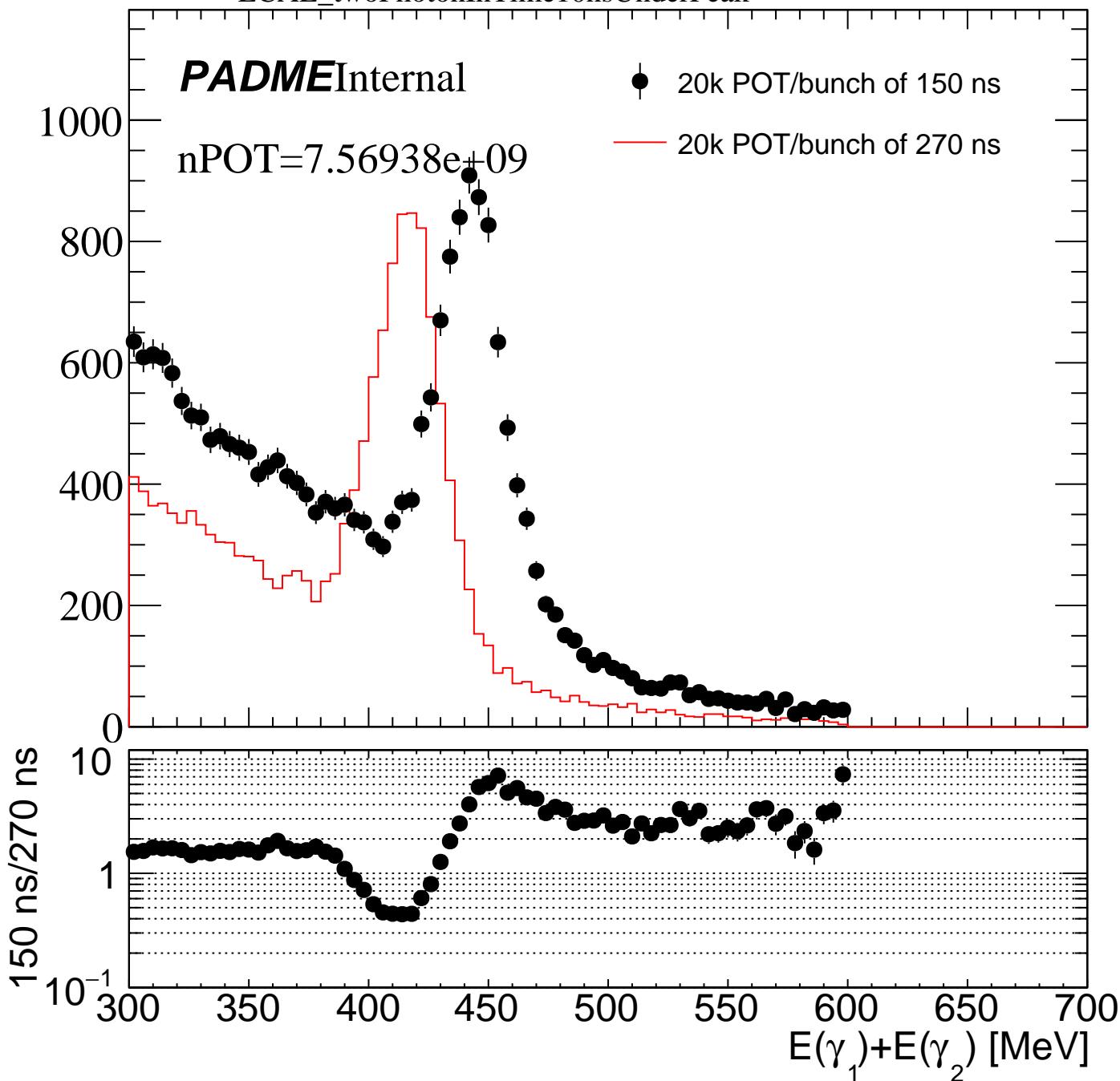
ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method_DeltaTheta

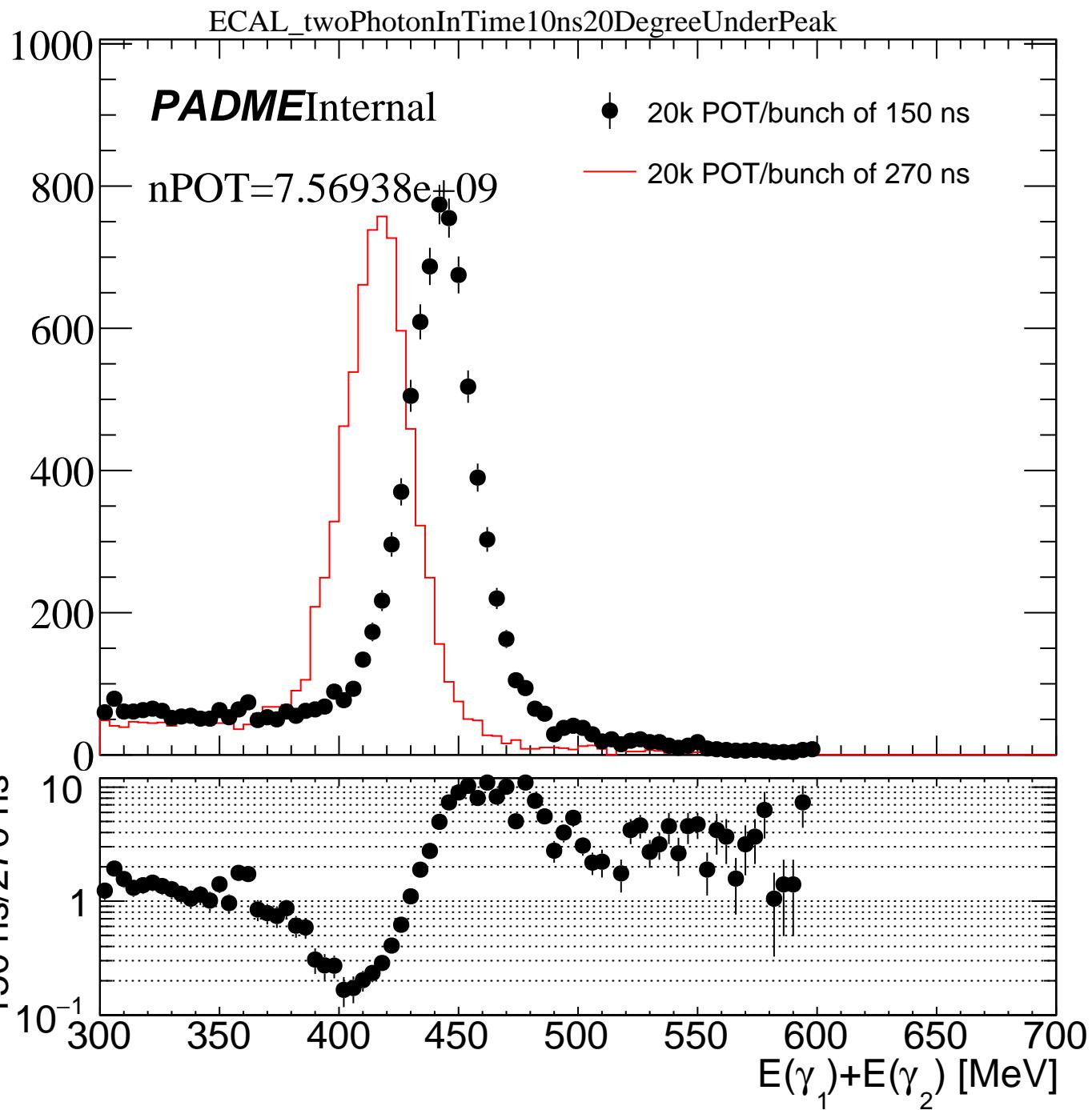


ECAL_gravTwoPhoton10ns1cm

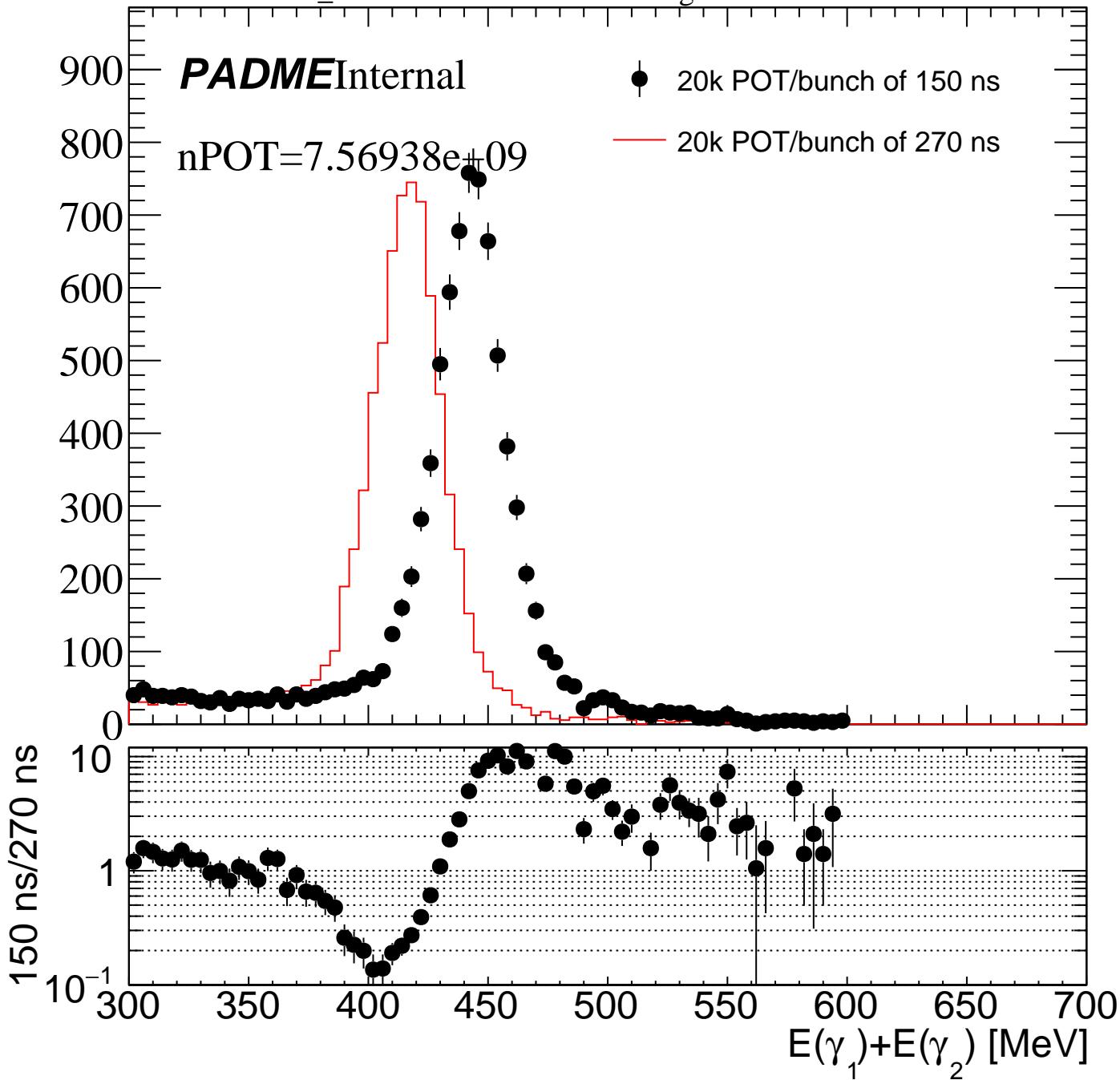


ECAL_twoPhotonInTime10nsUnderPeak

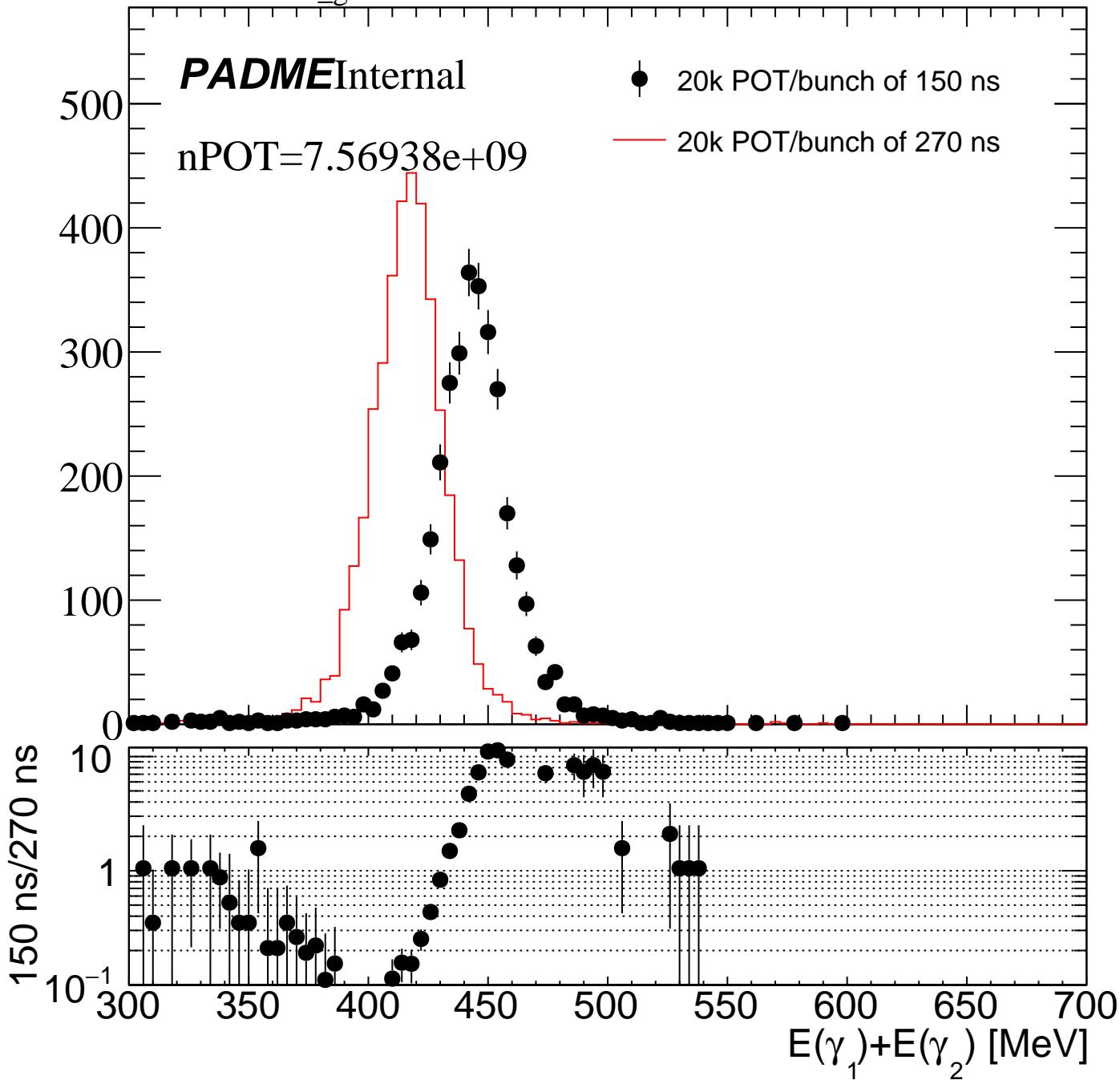




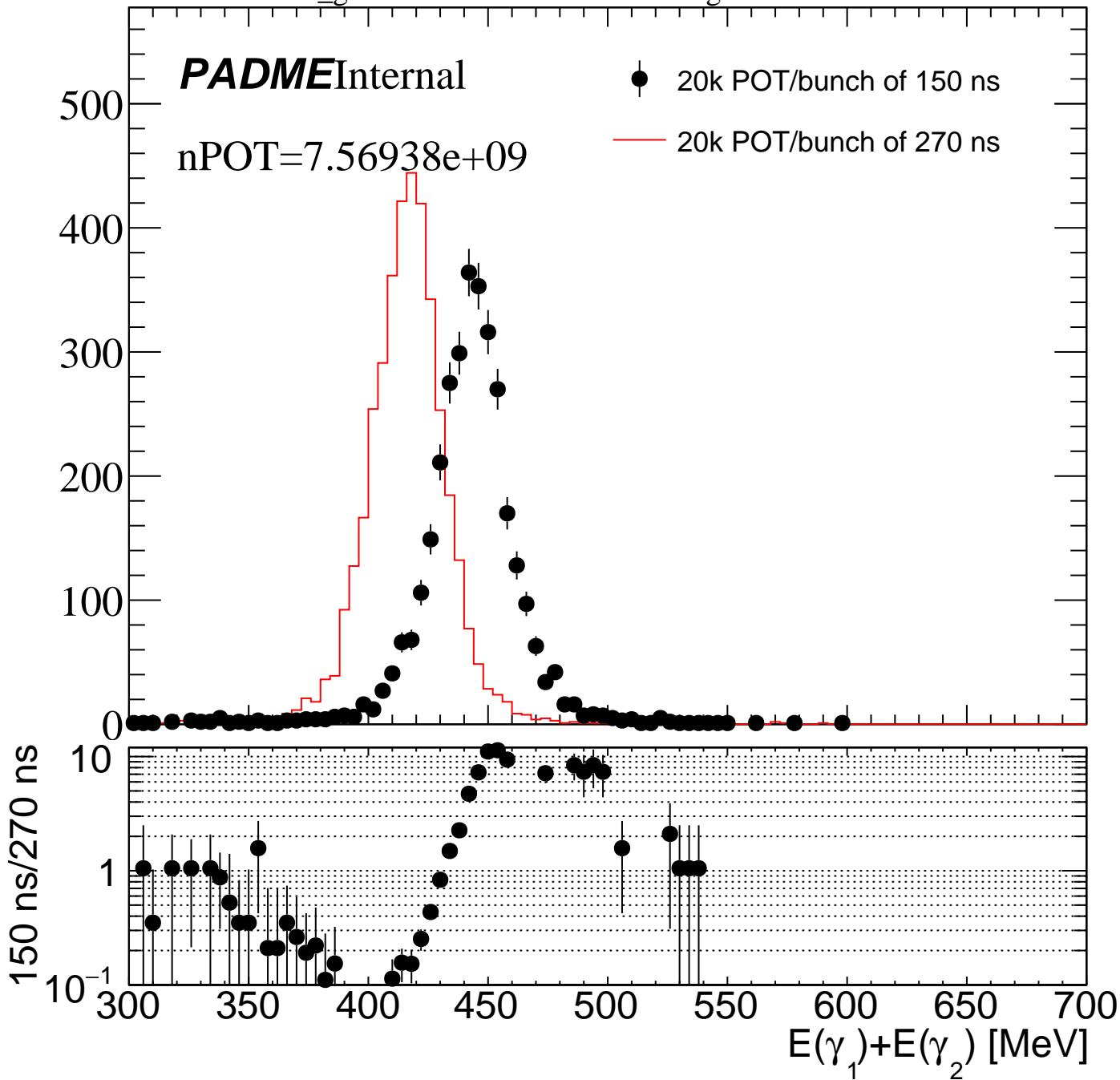
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak



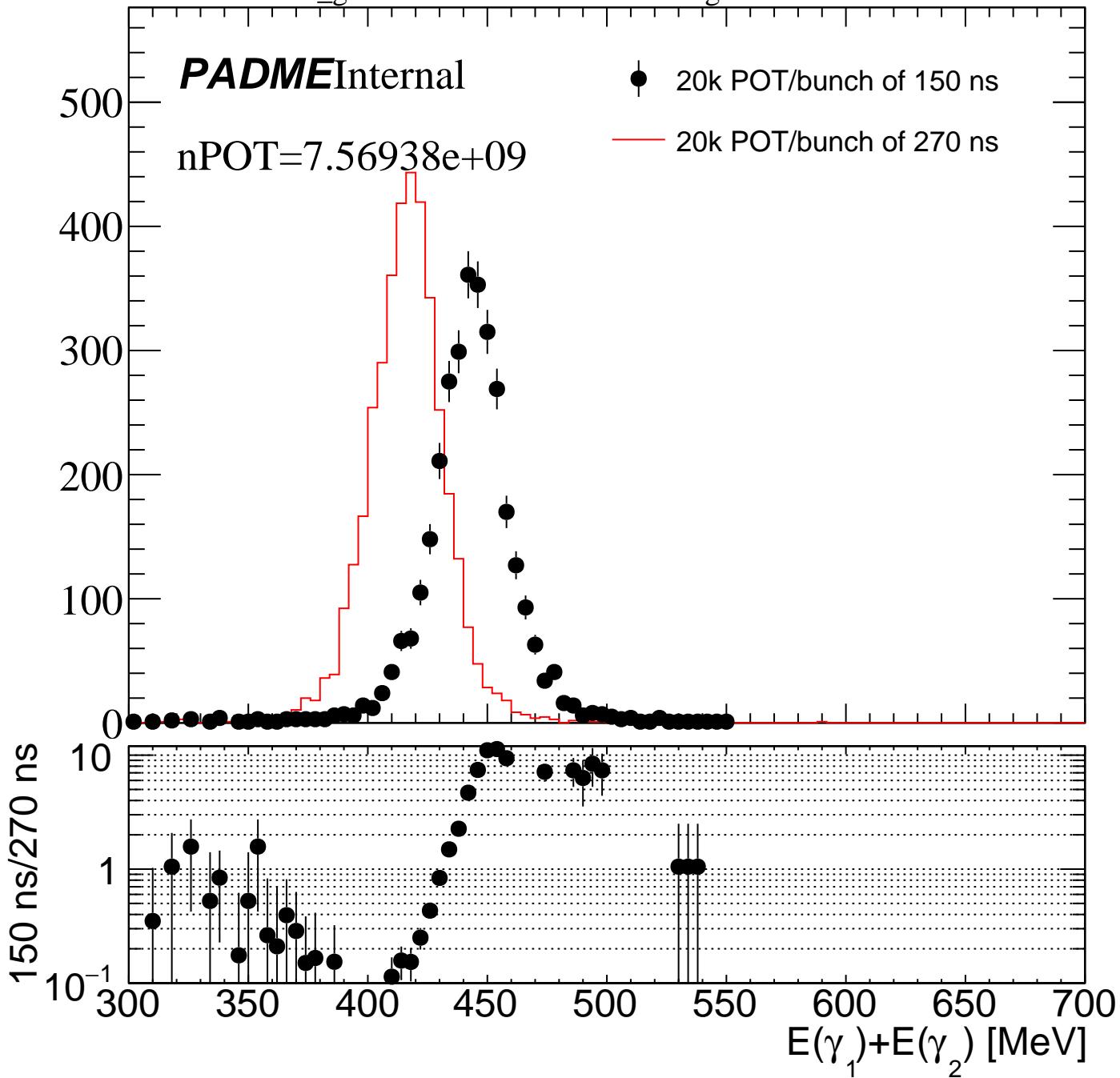
ECAL_gravTwoPhoton10ns1cmUnderPeak



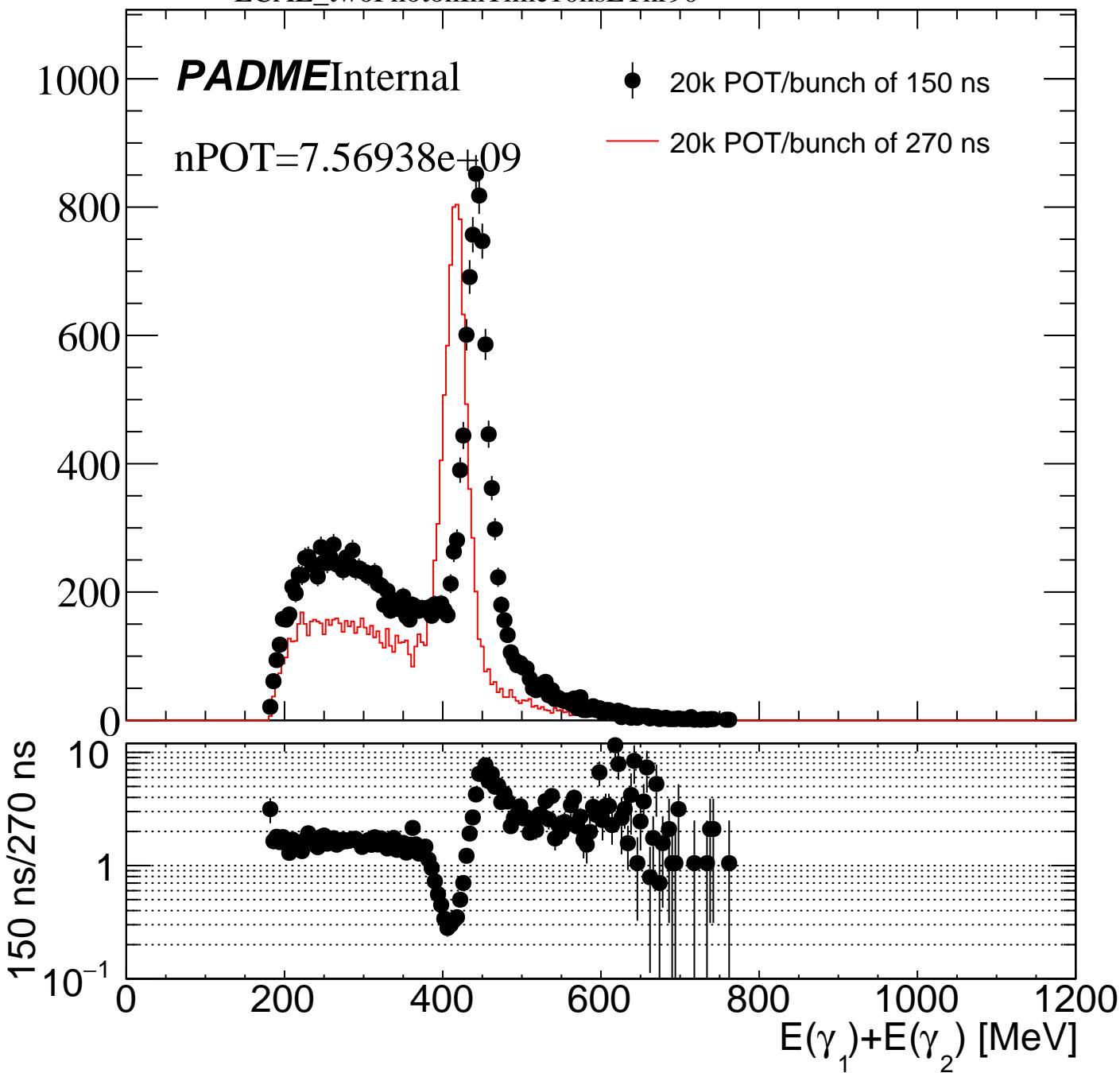
ECAL_gravTwoPhoton10ns1cm20DegreeUnderPeak

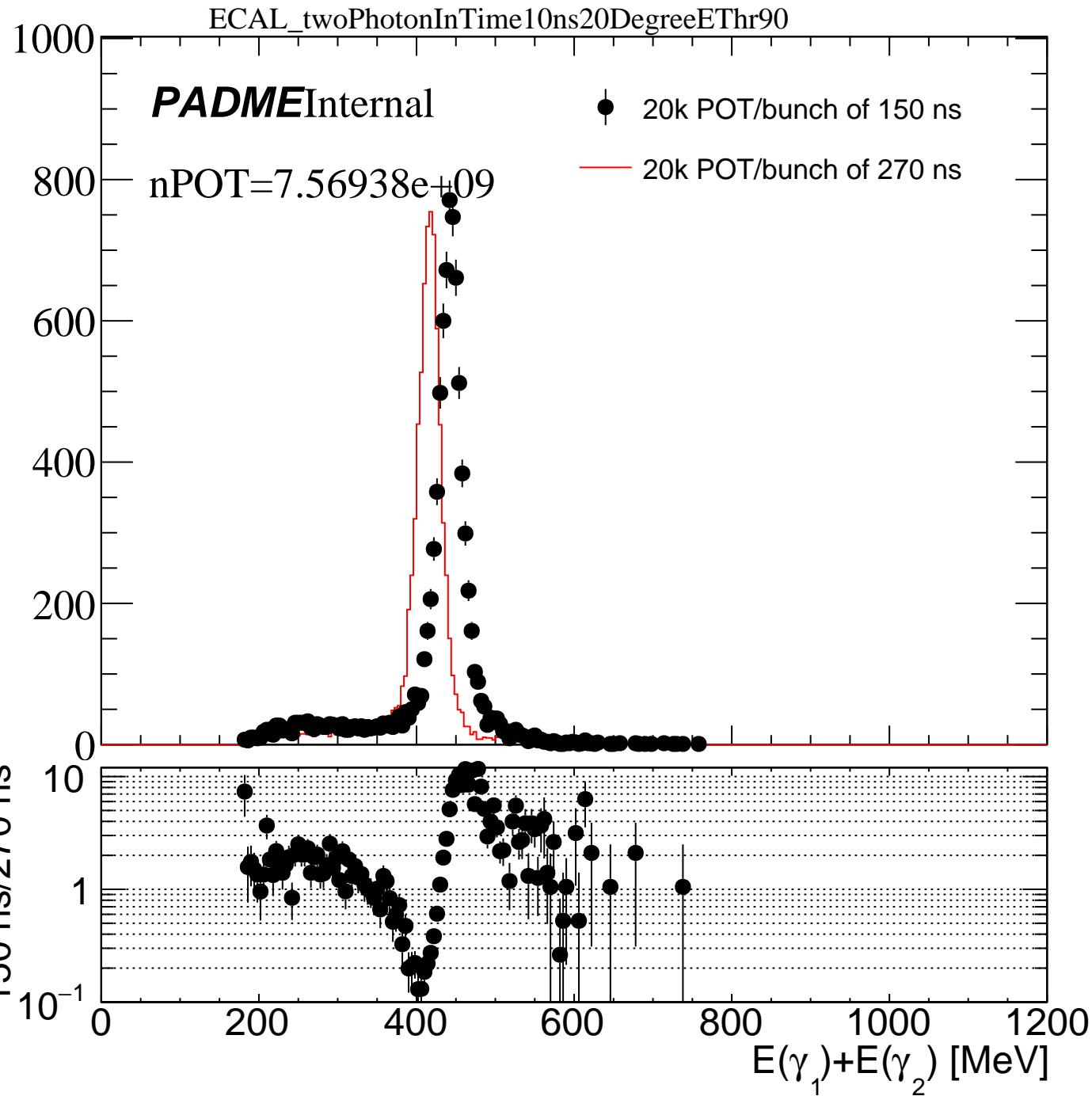


ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaUnderPeak

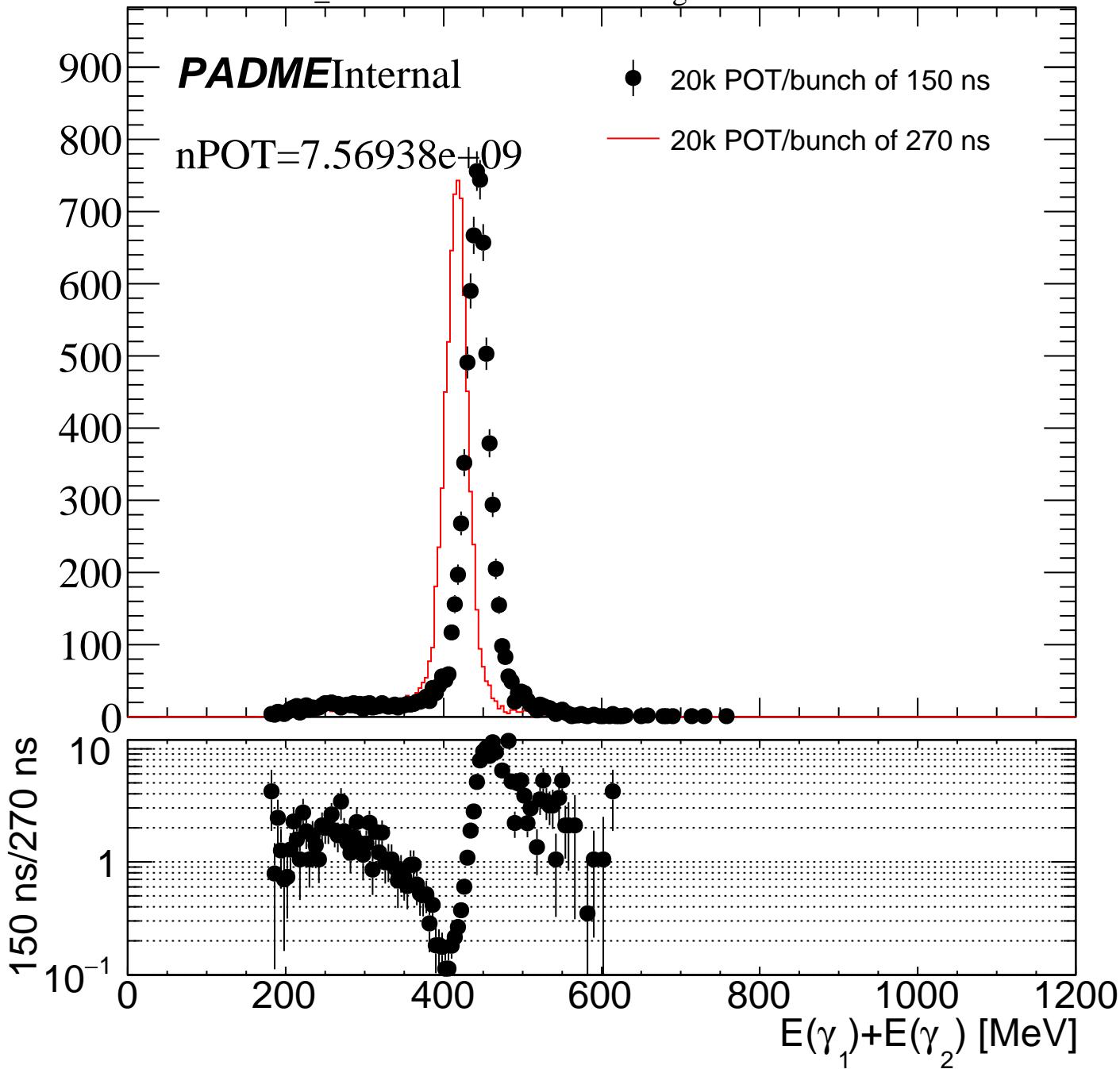


ECAL_twoPhotonInTime10nsEThr90

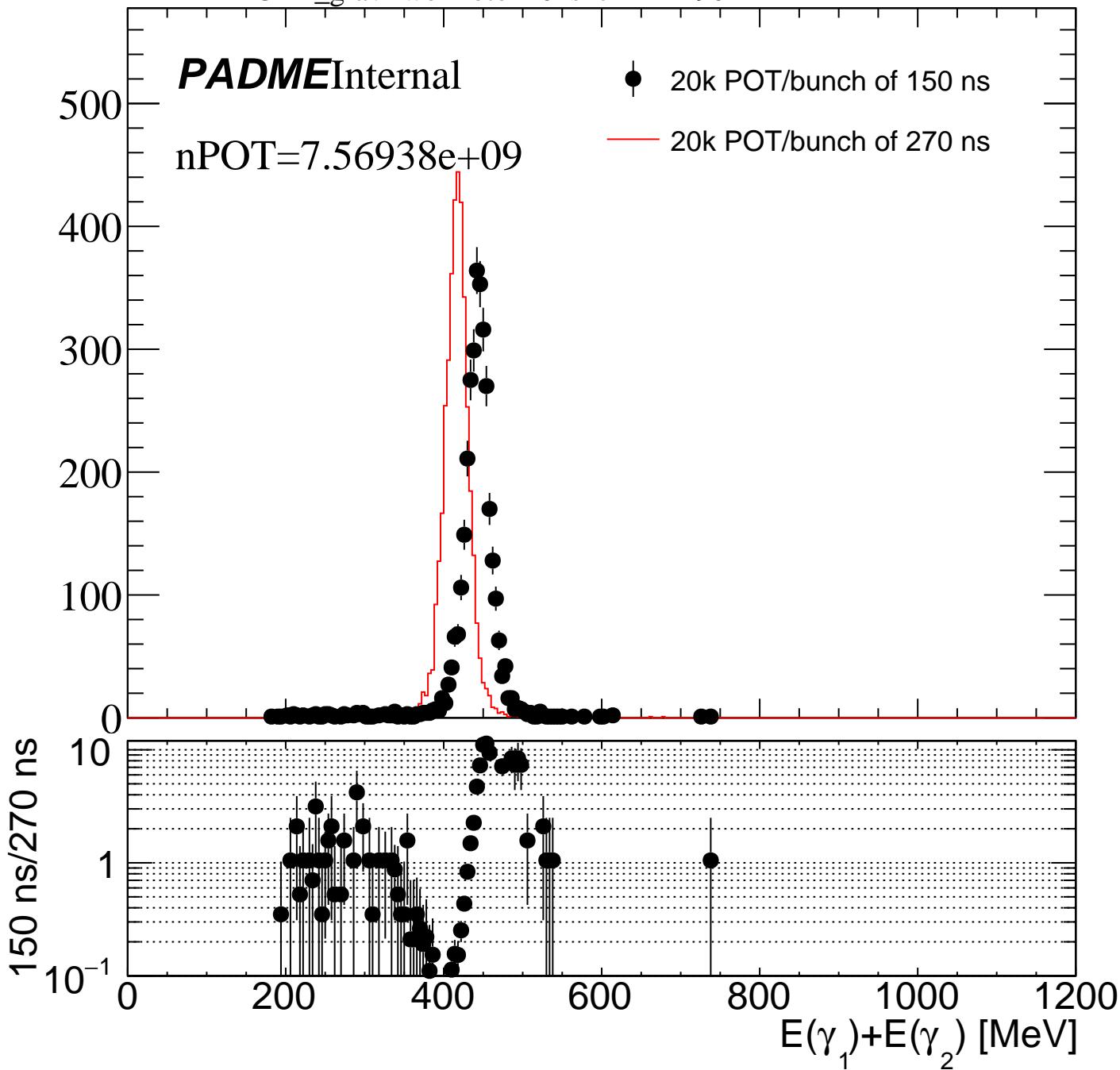




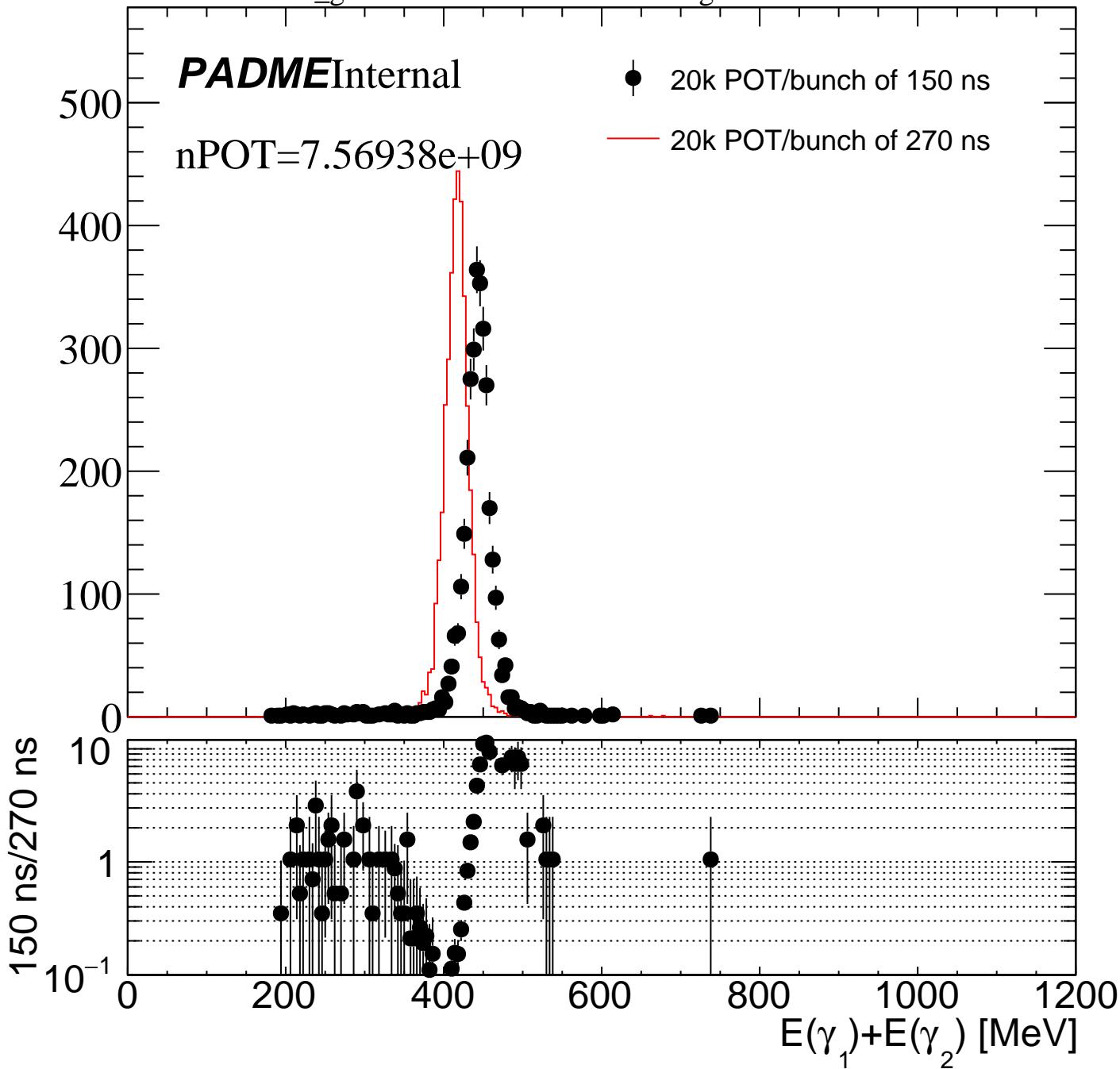
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaEThr90



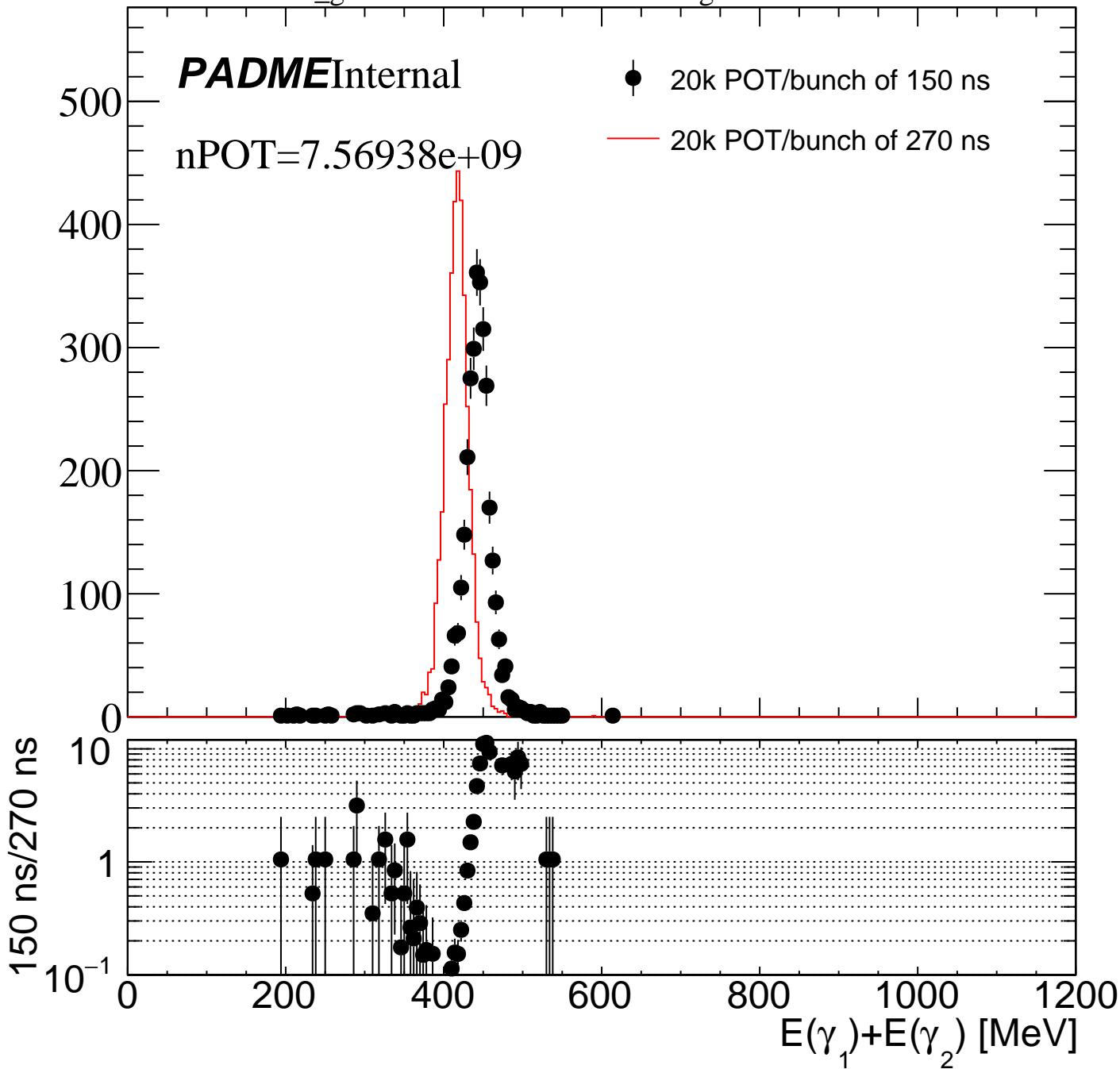
ECAL_gravTwoPhoton10ns1cmEThr90

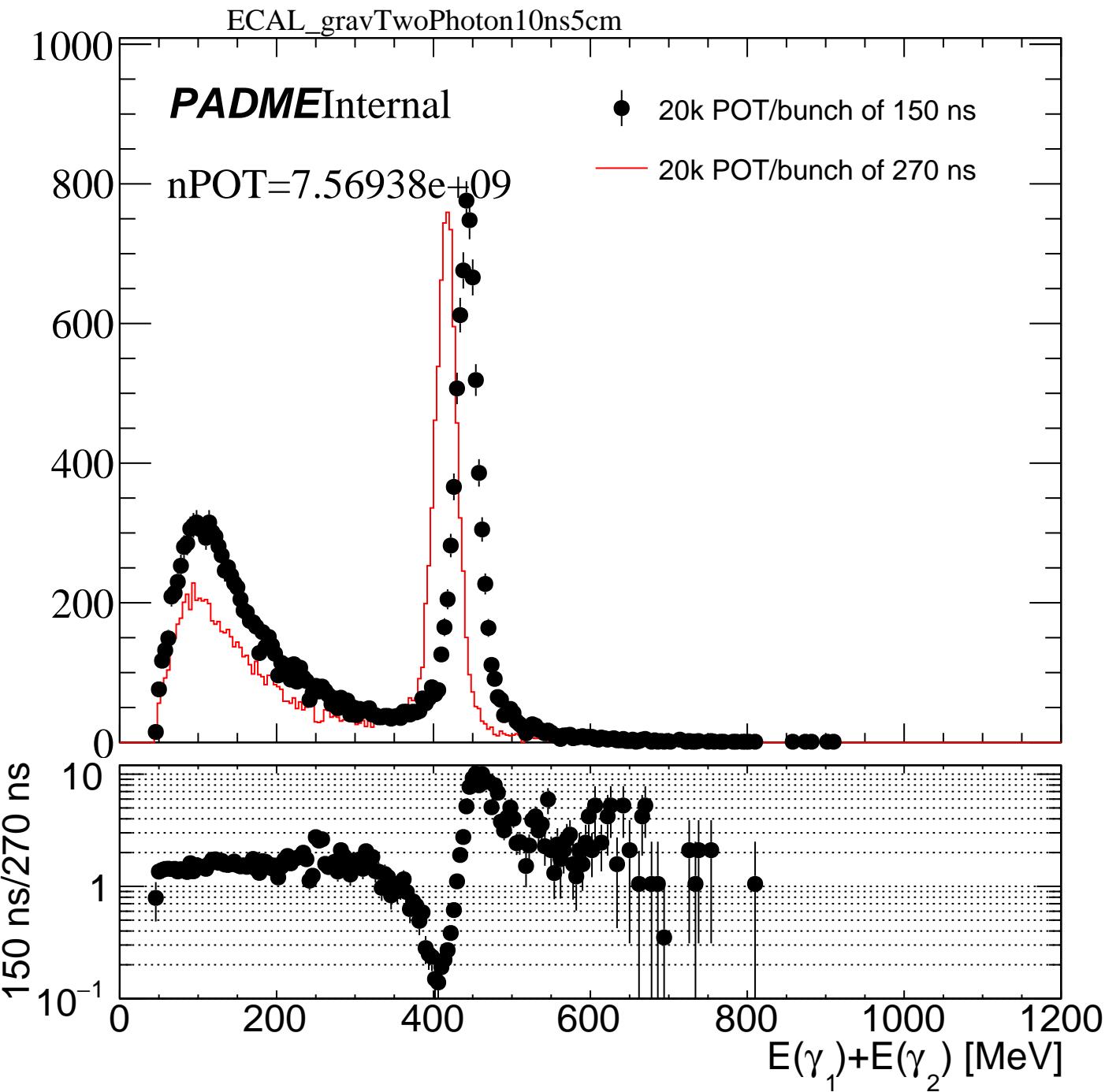


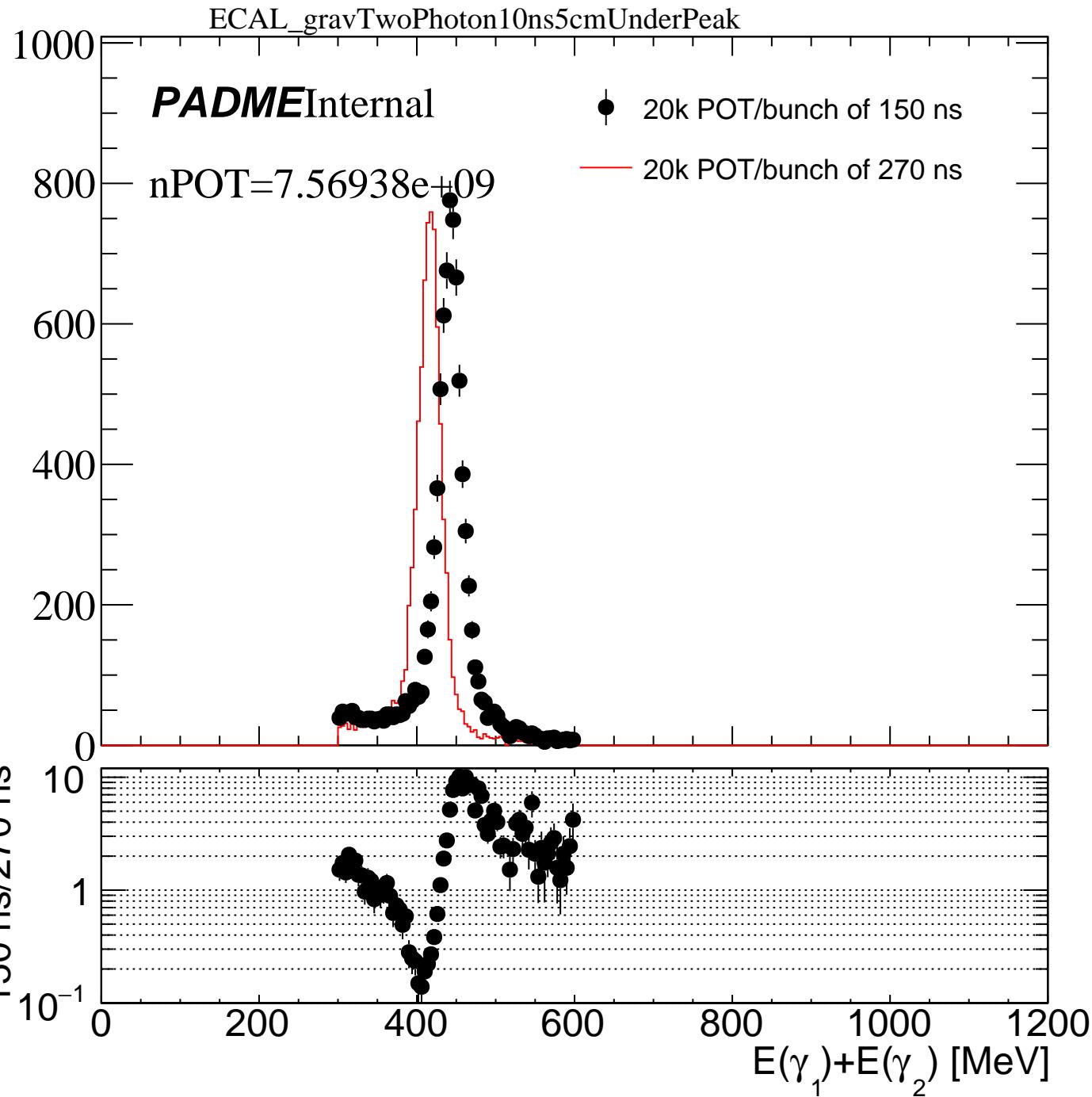
ECAL_gravTwoPhoton10ns1cm20DegreeEThr90

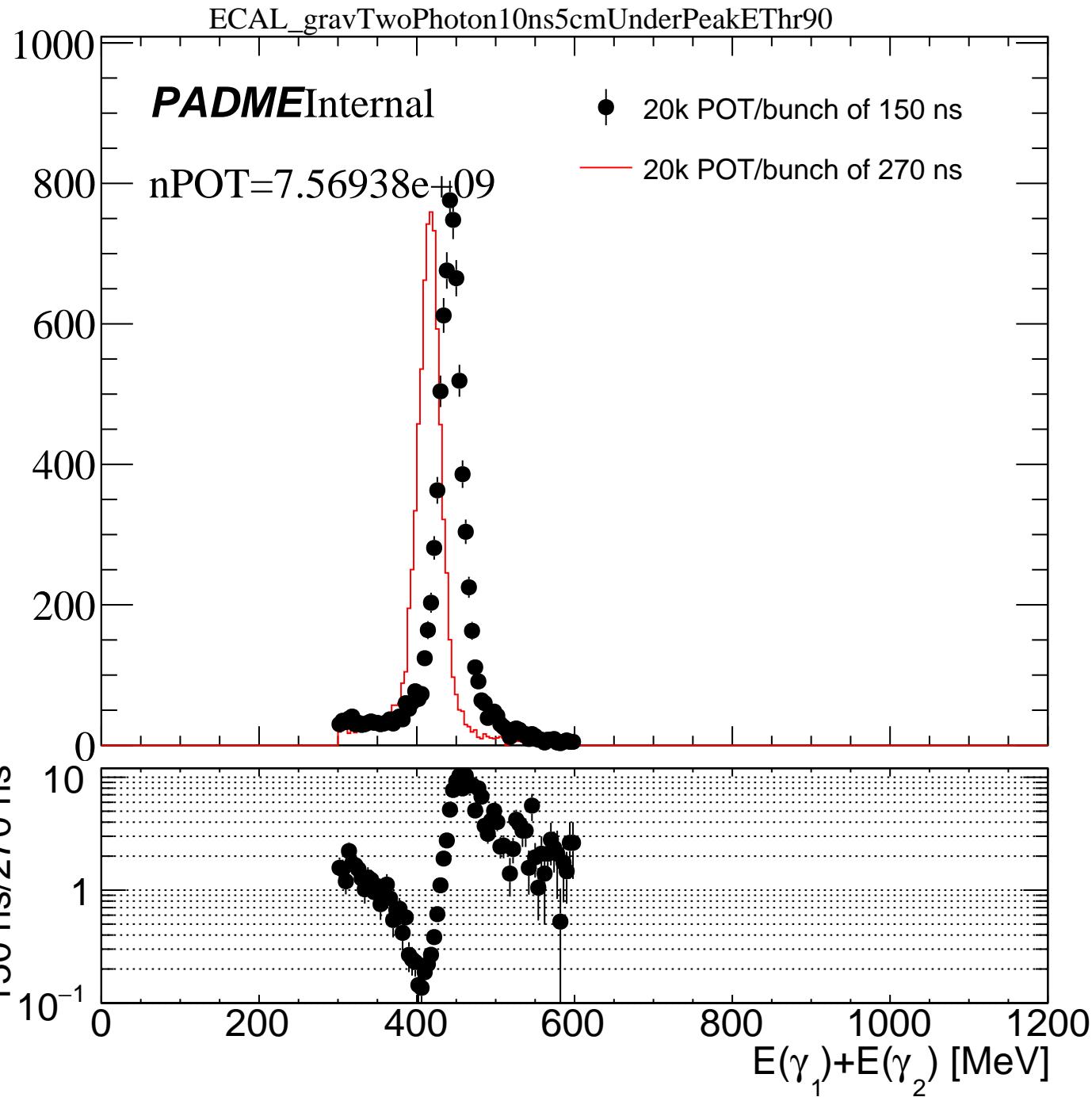


ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaEThr90

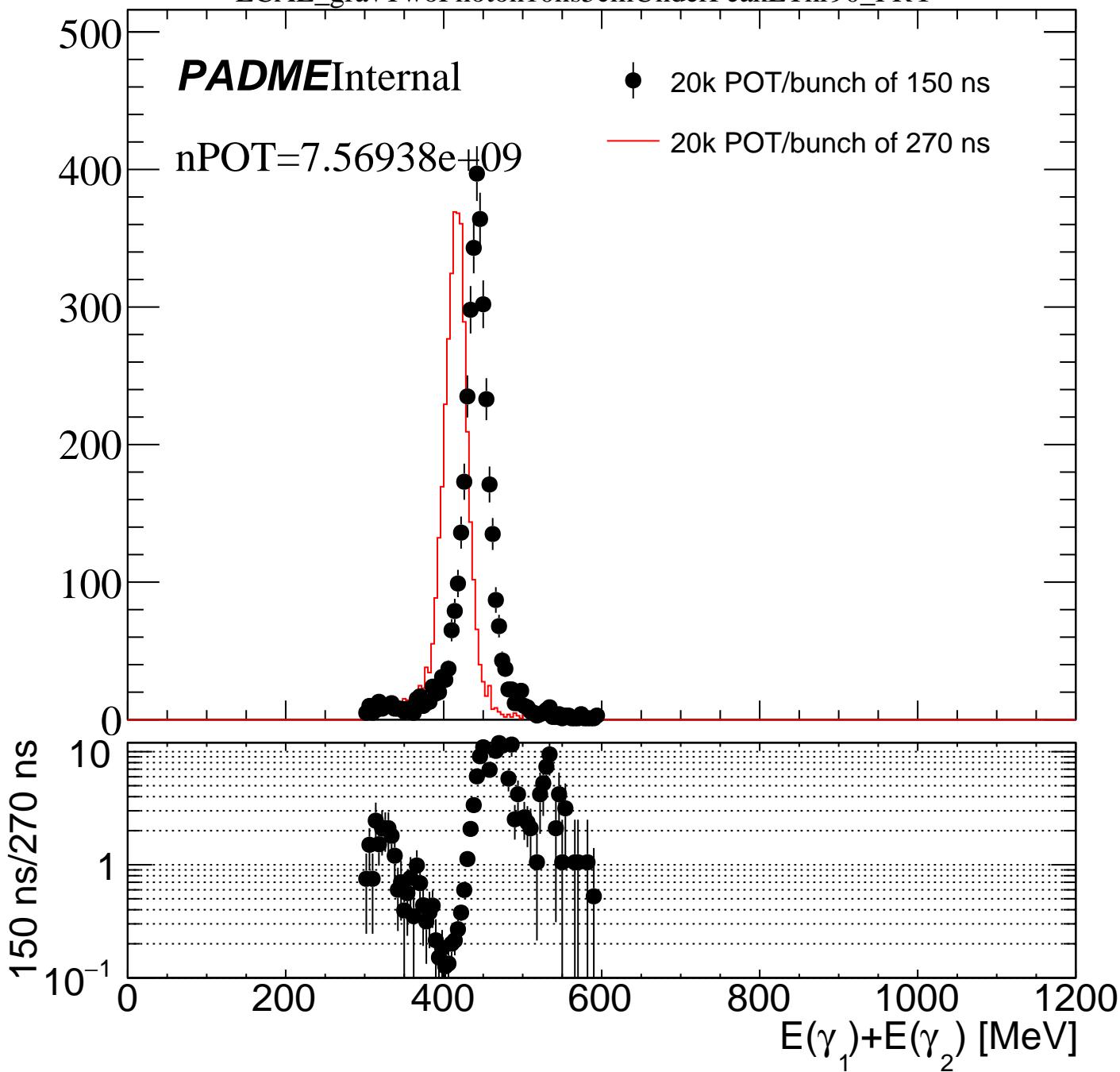


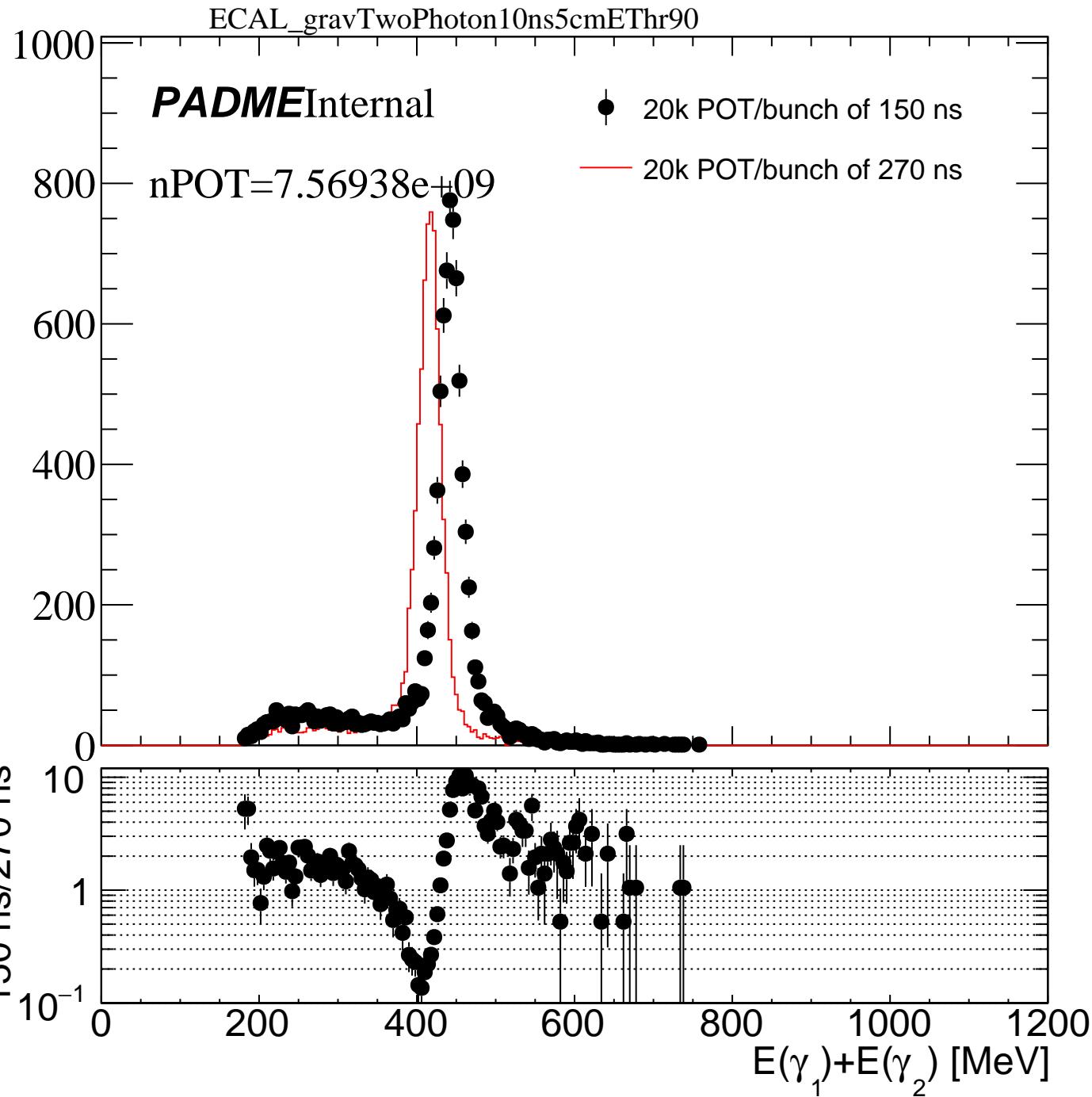


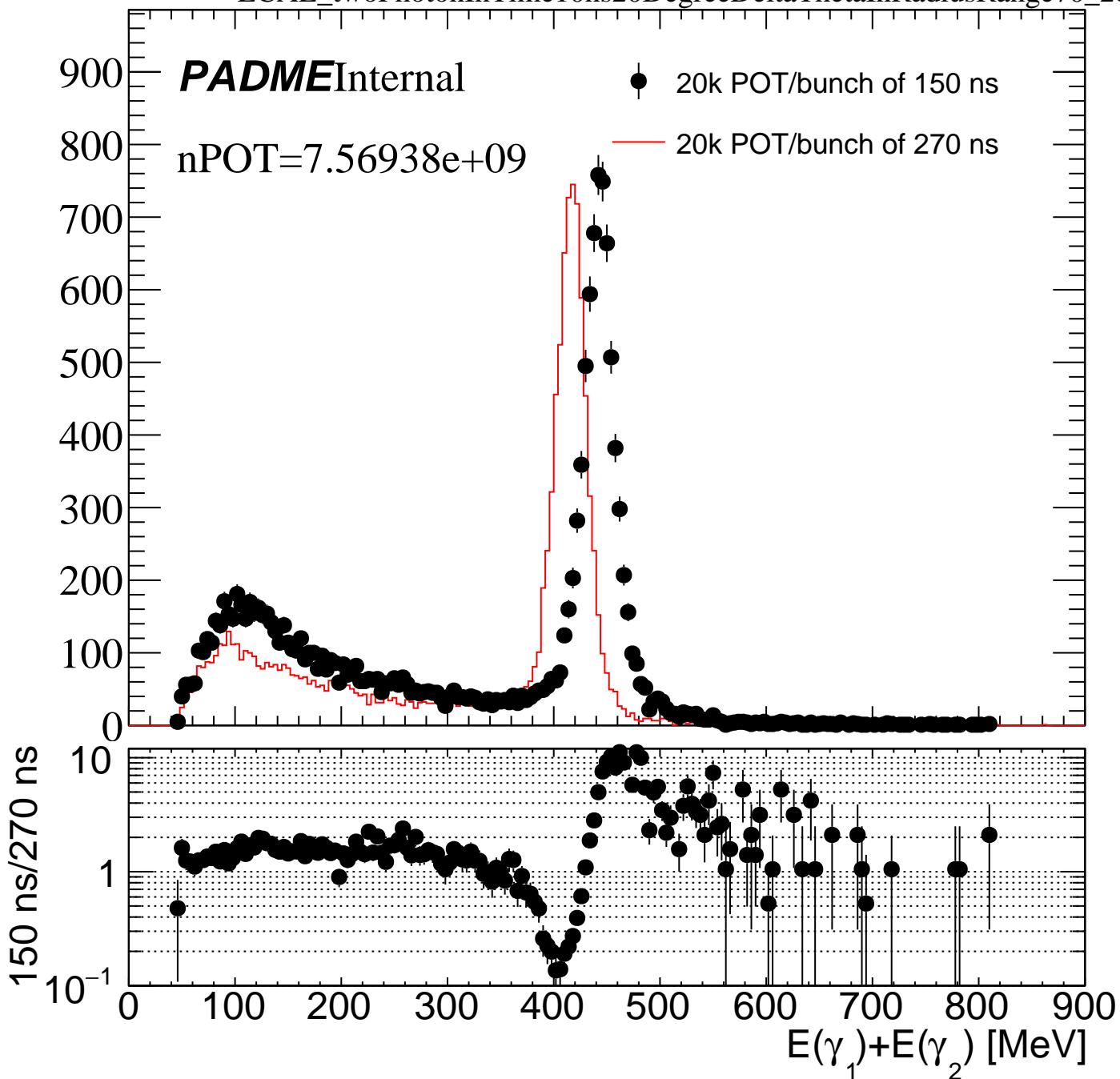


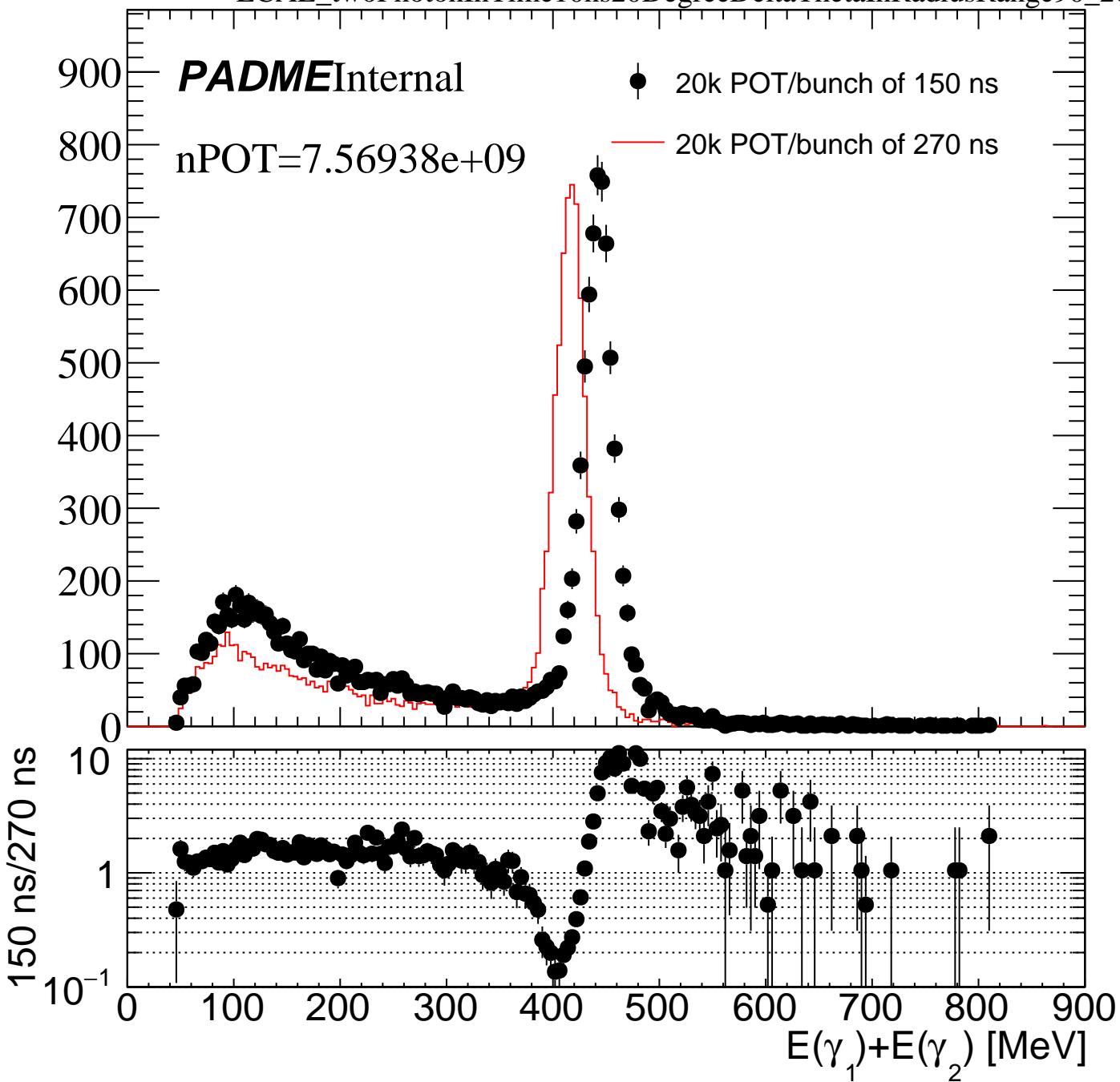


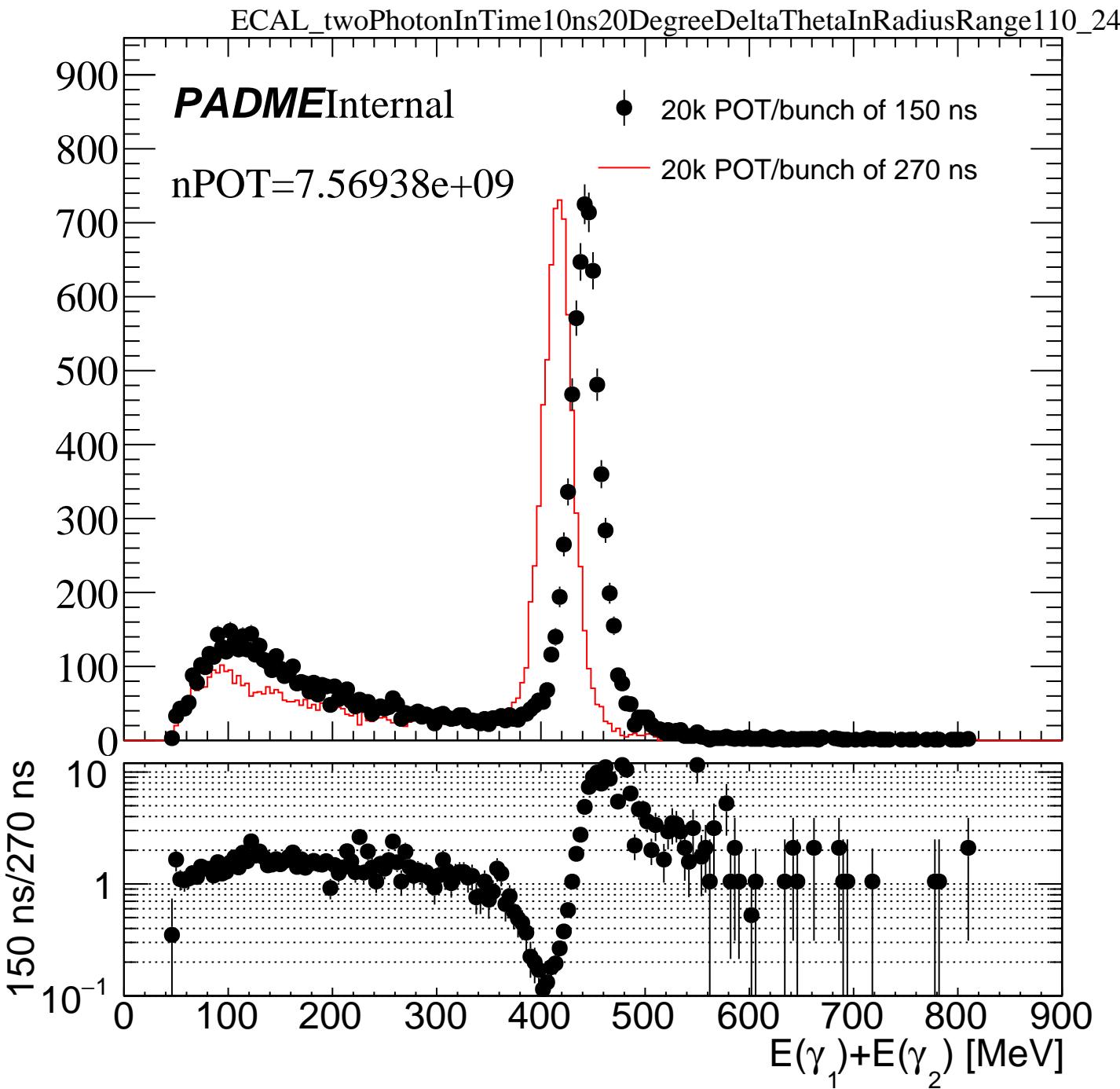
ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90_FRY

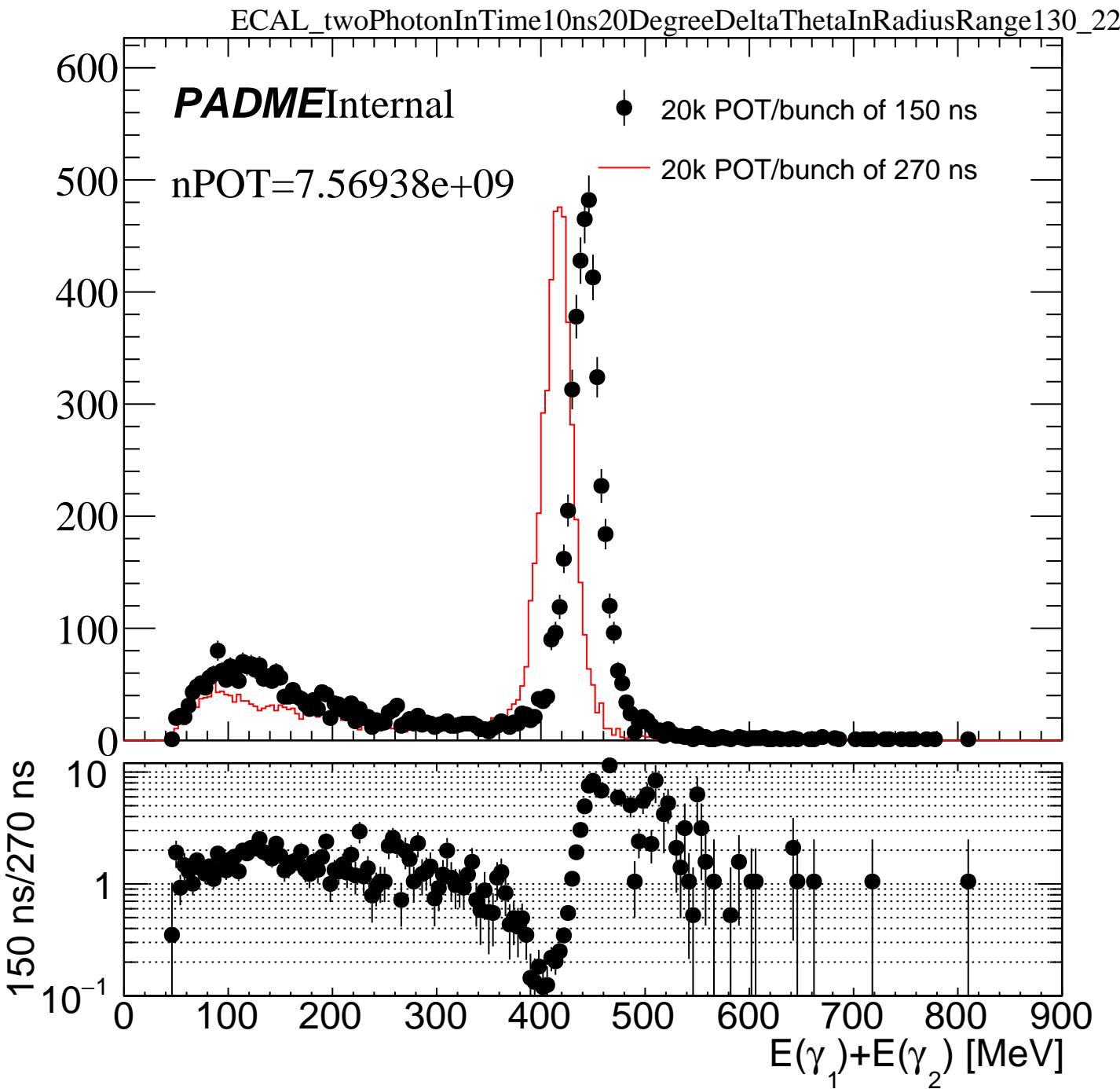




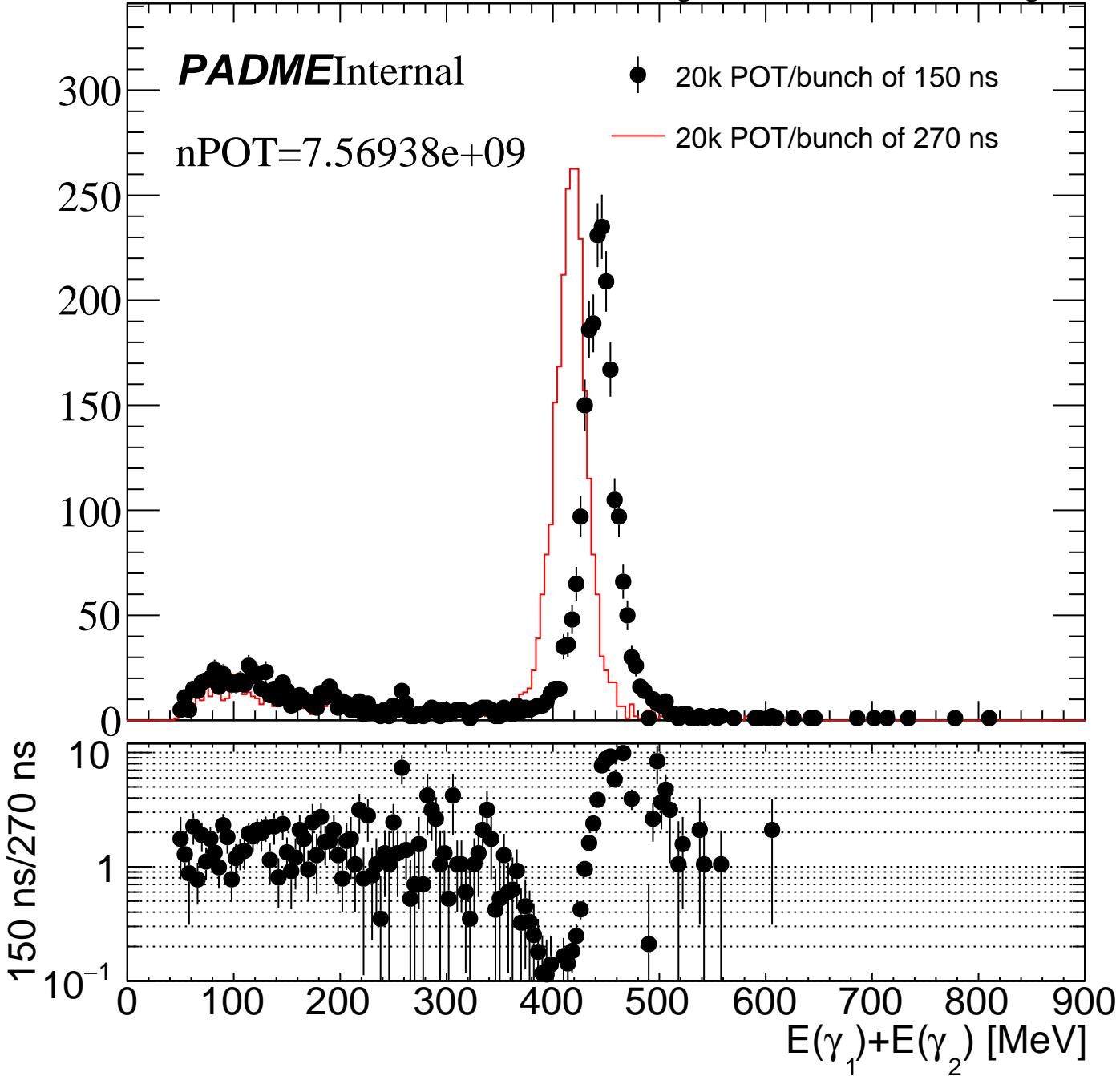




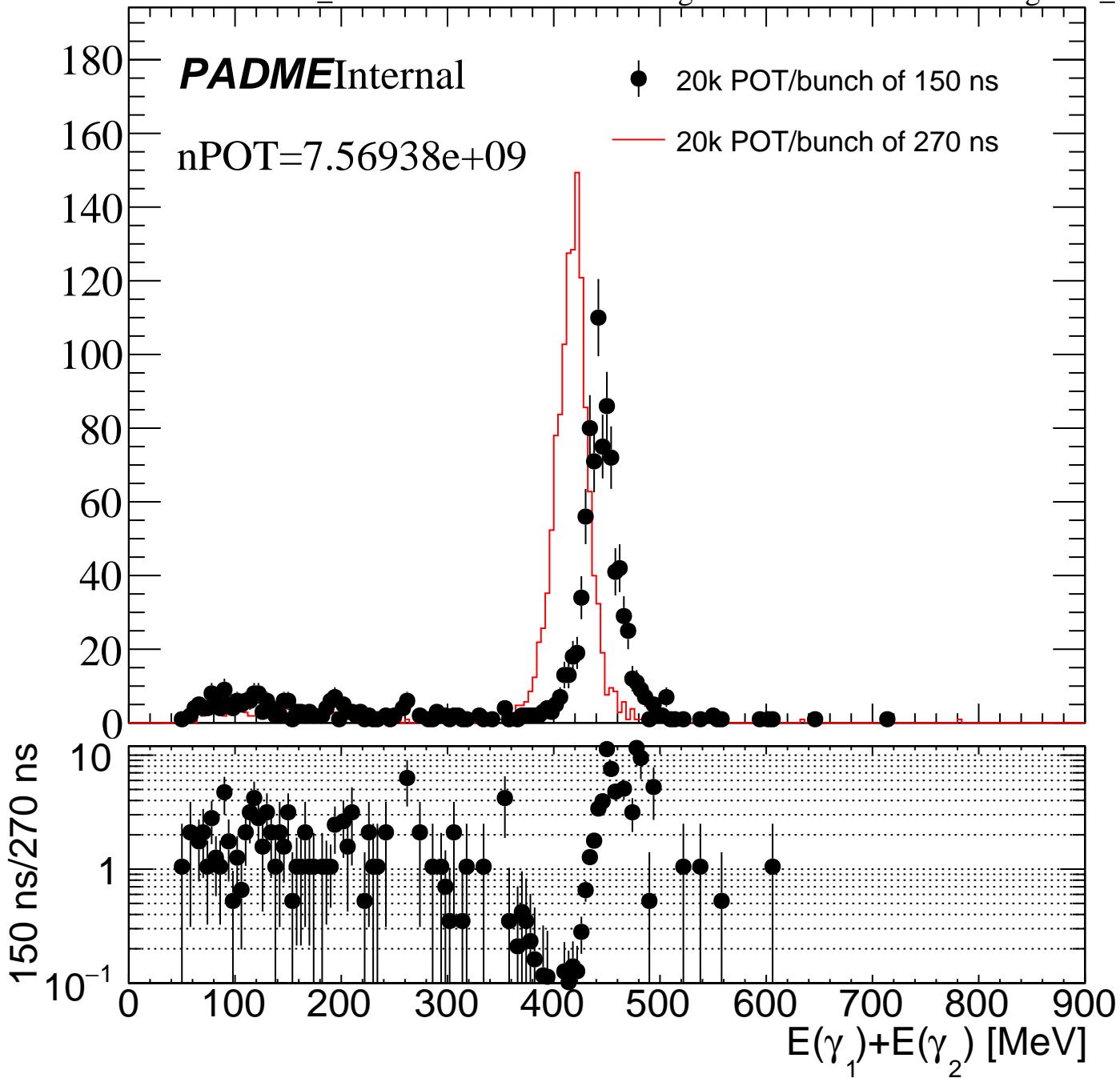


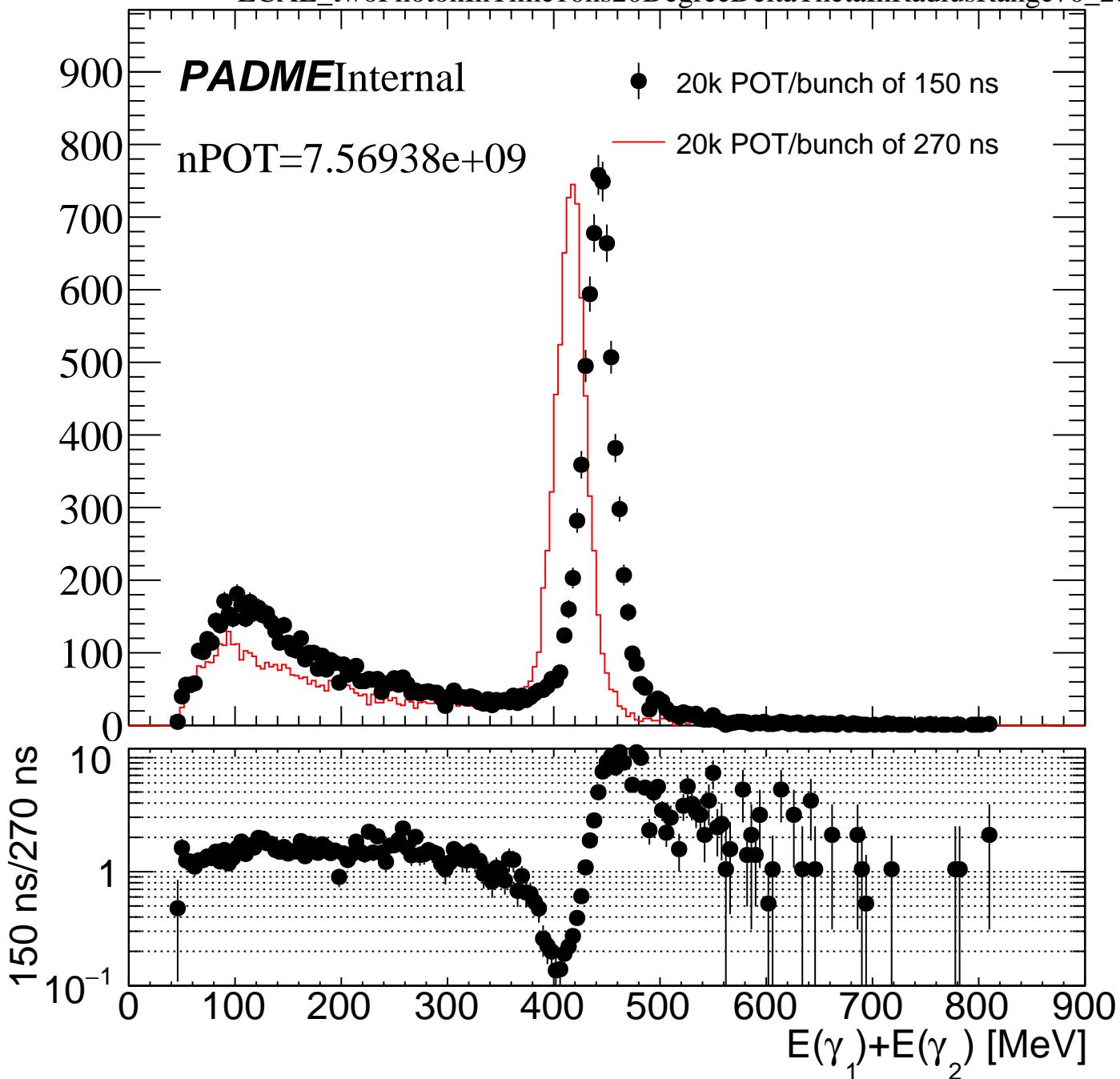


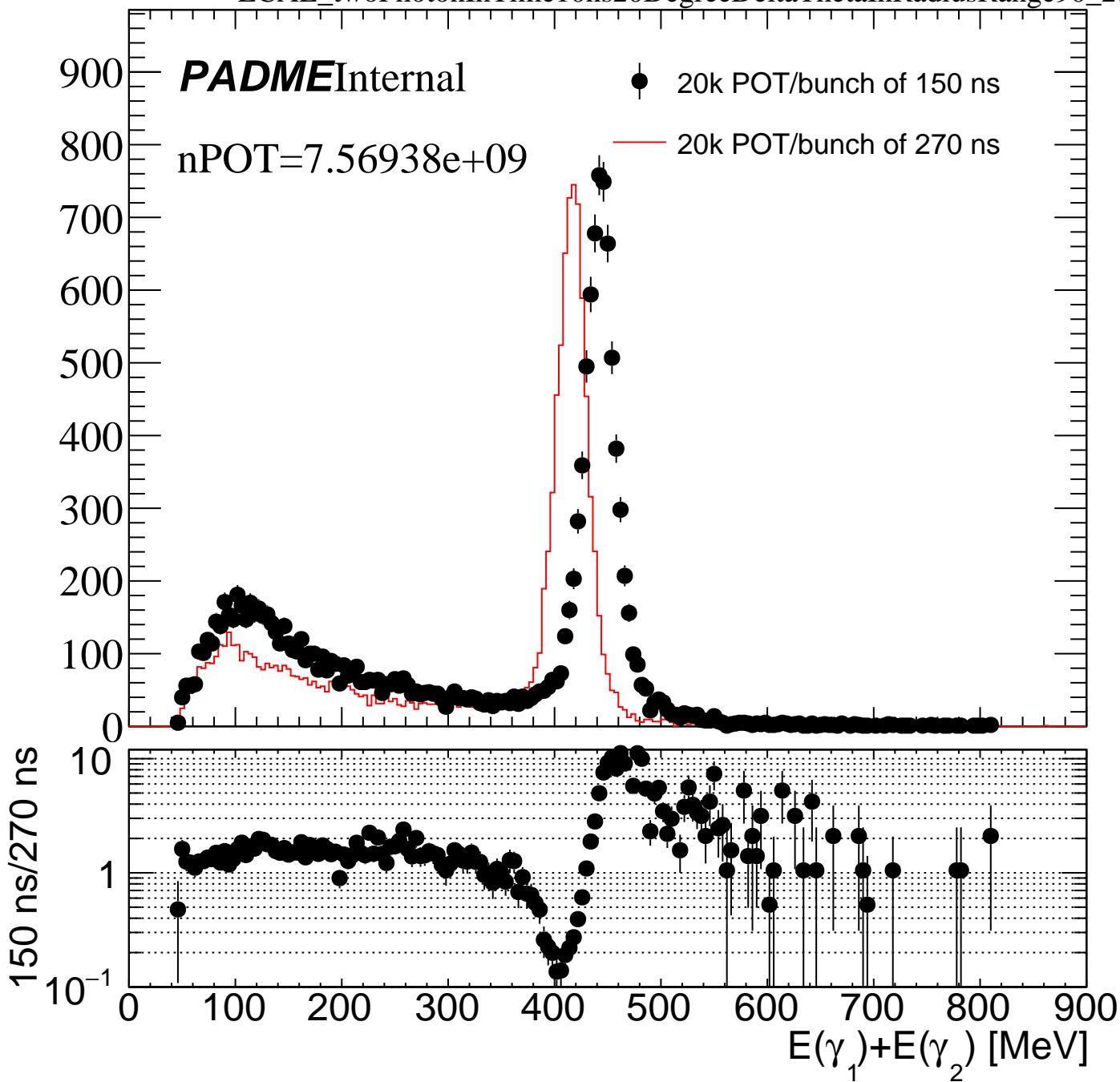
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20

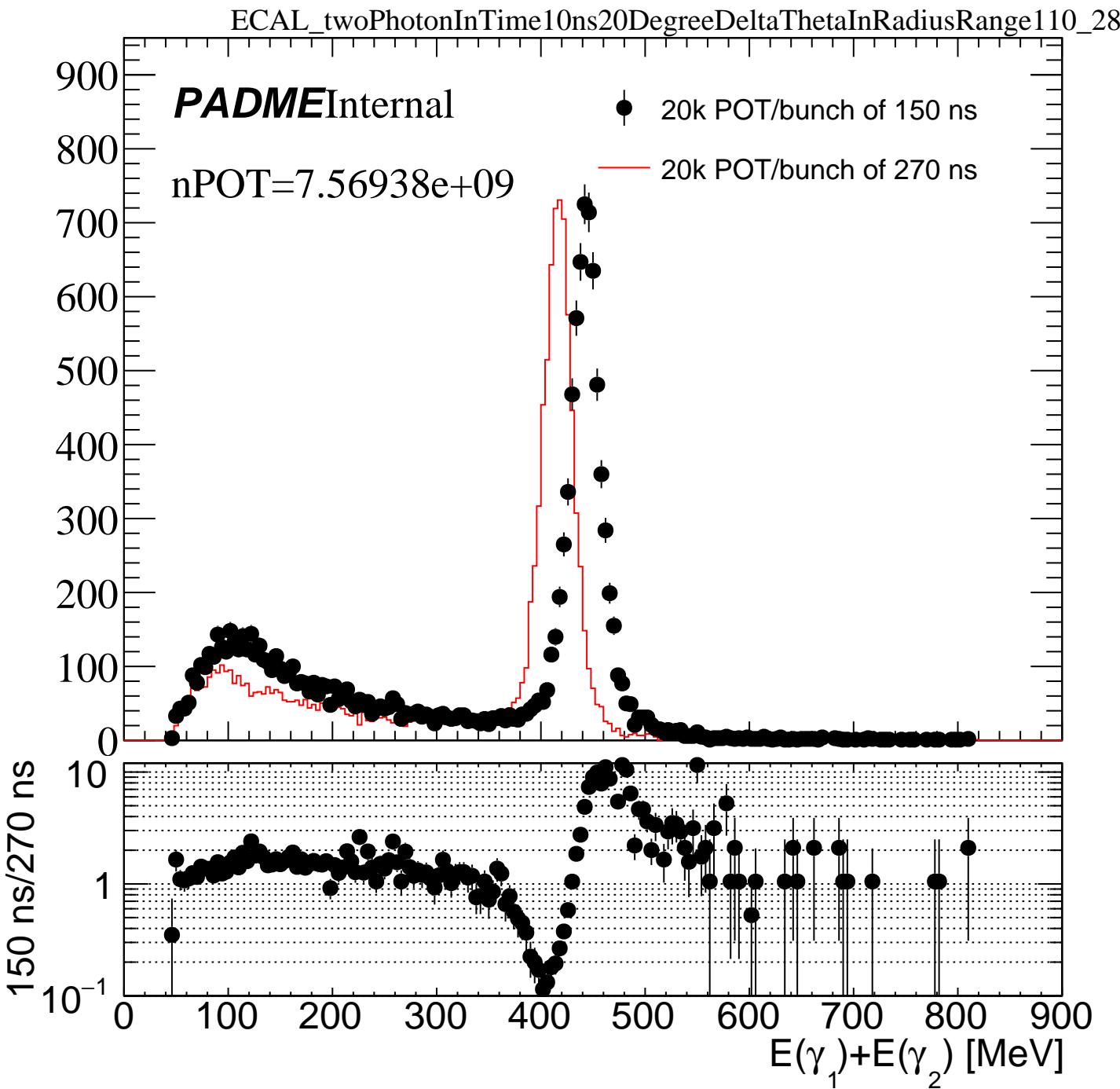


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_19

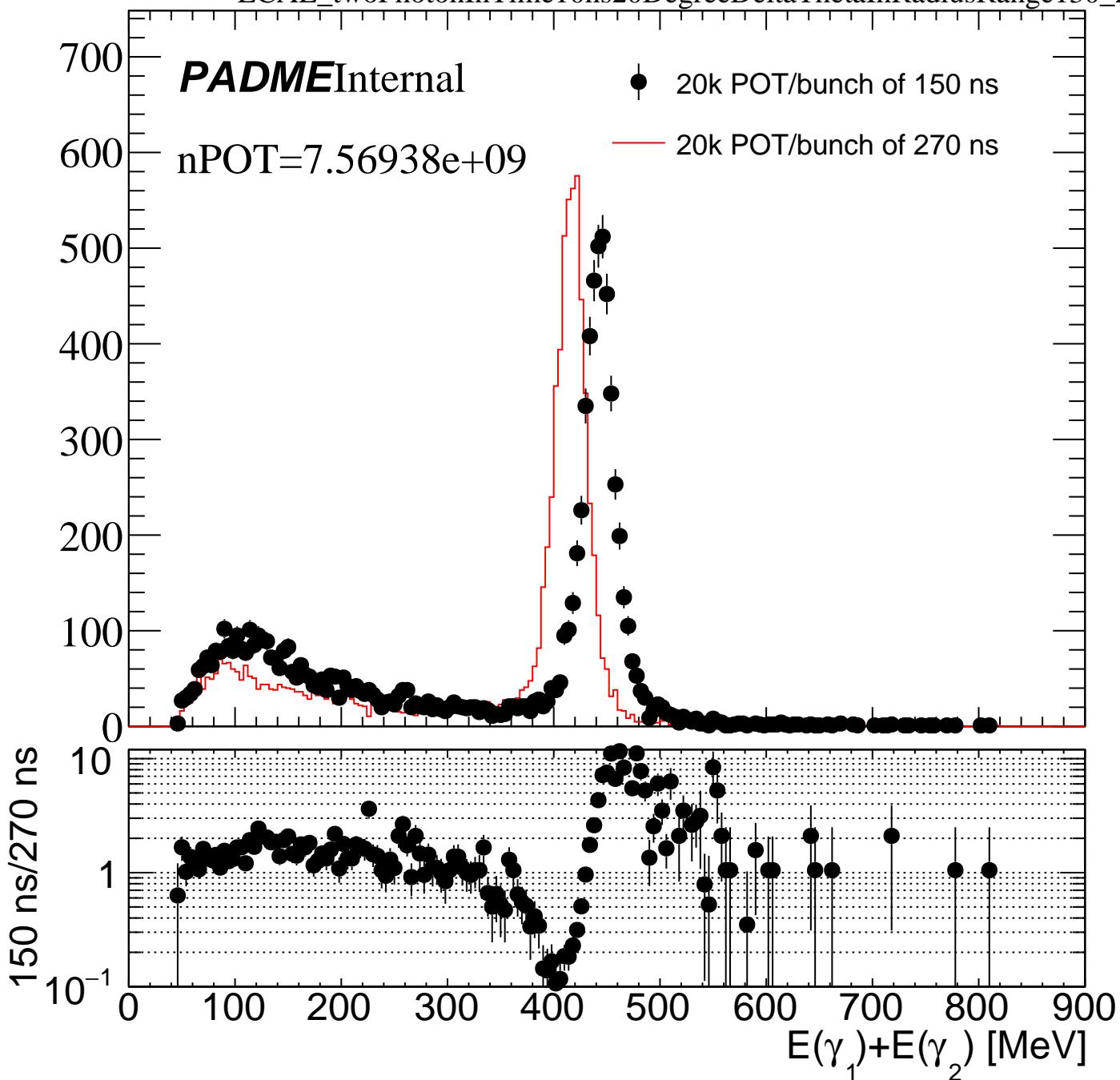


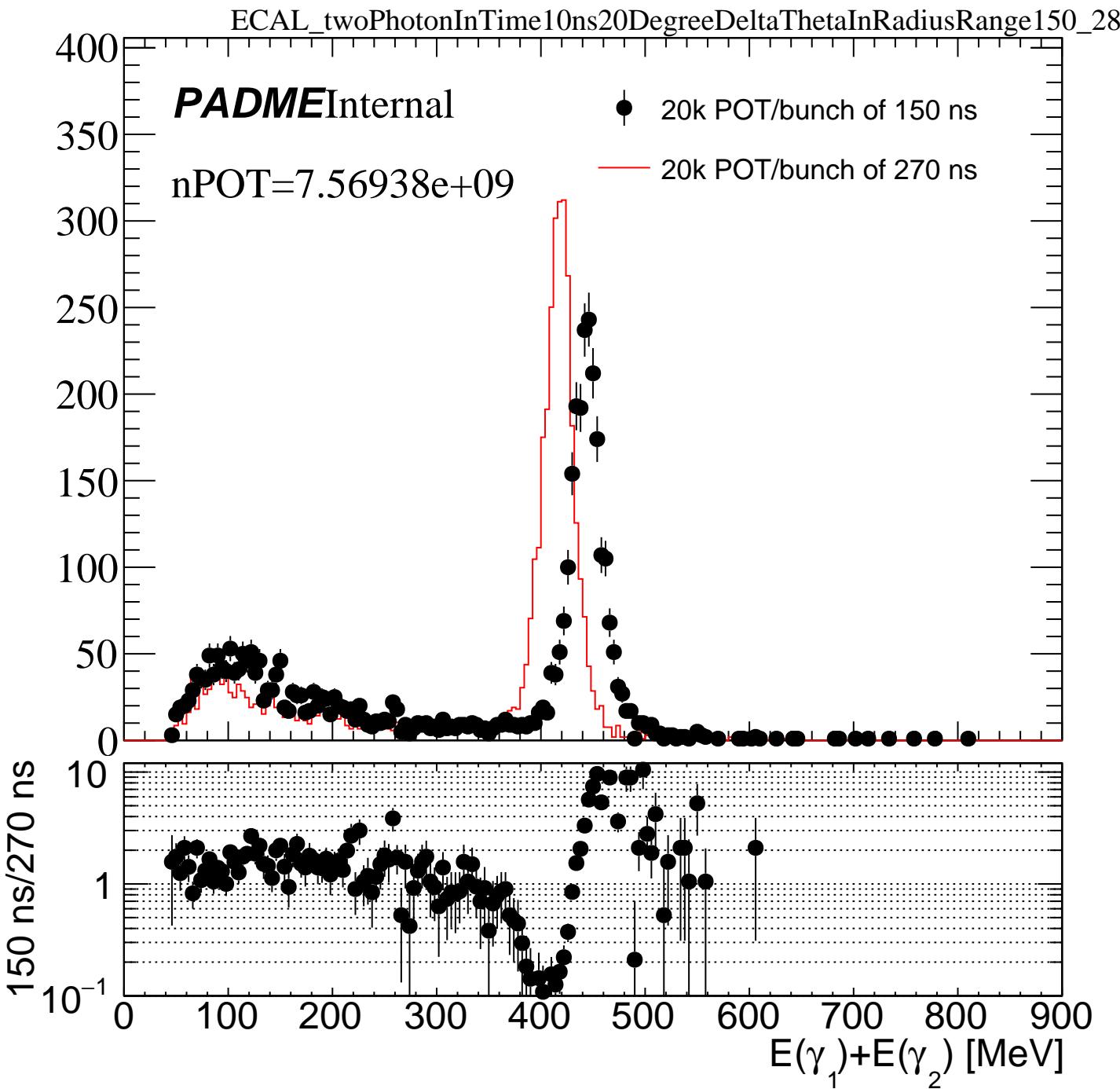


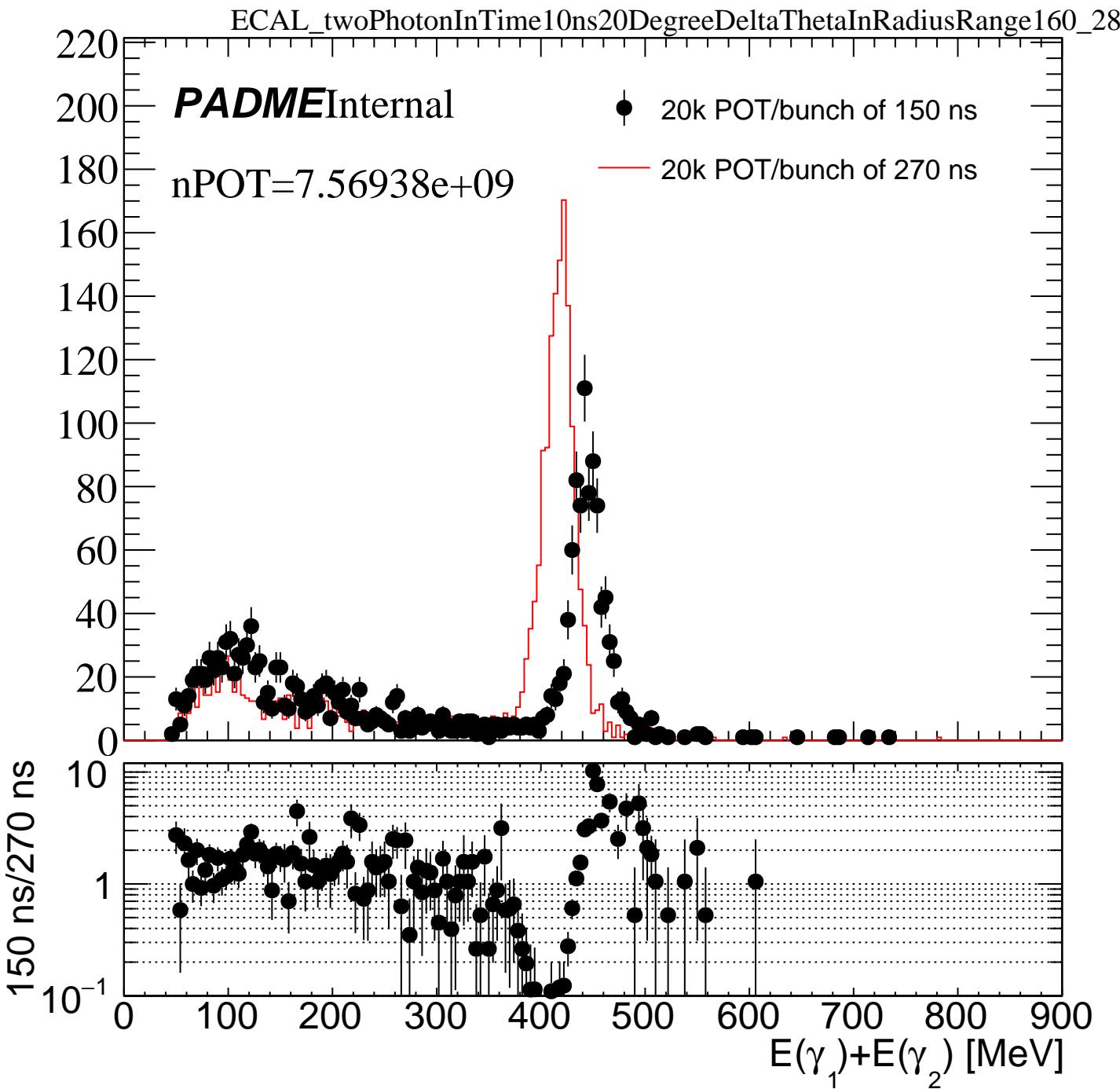




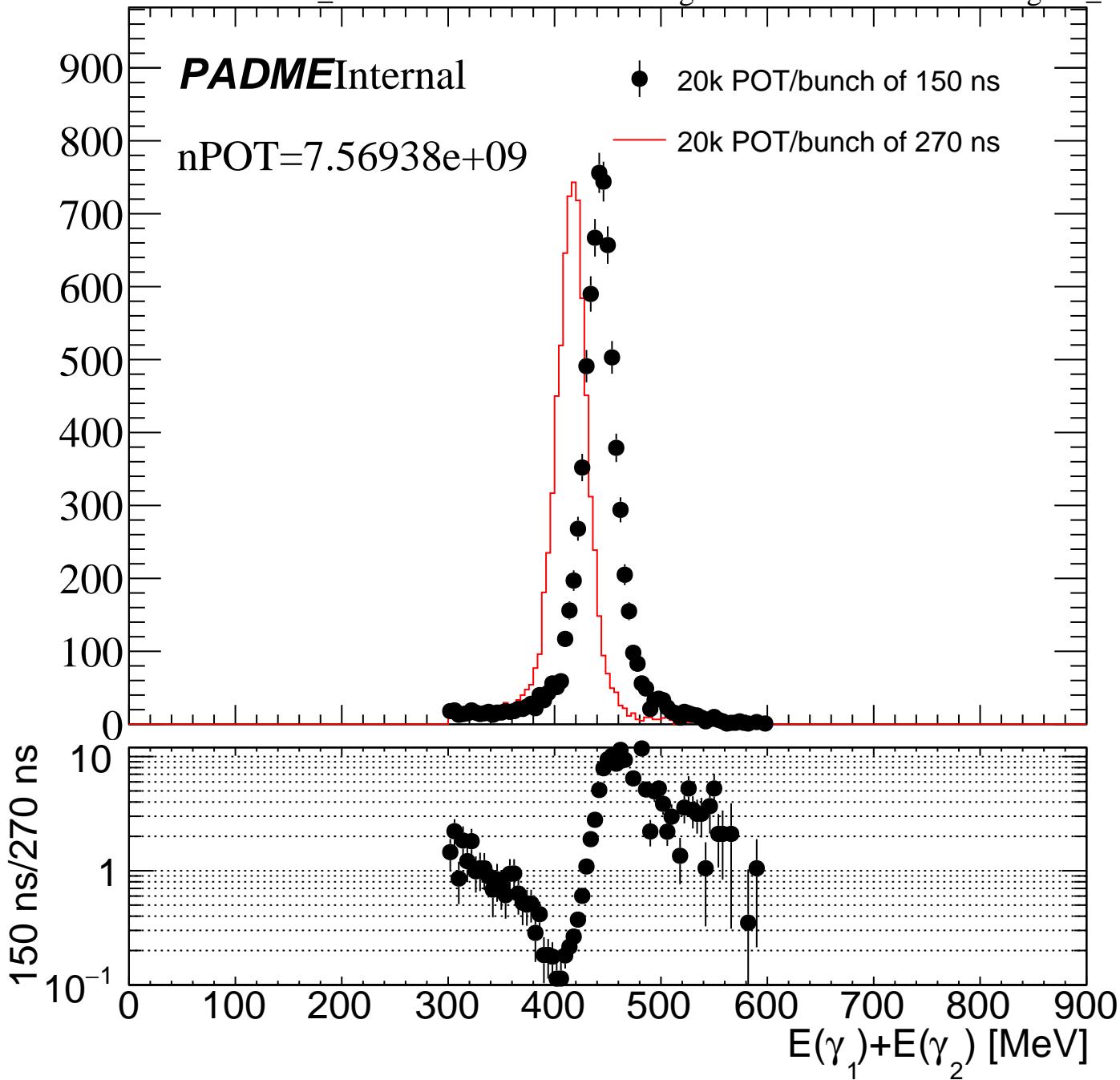
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28

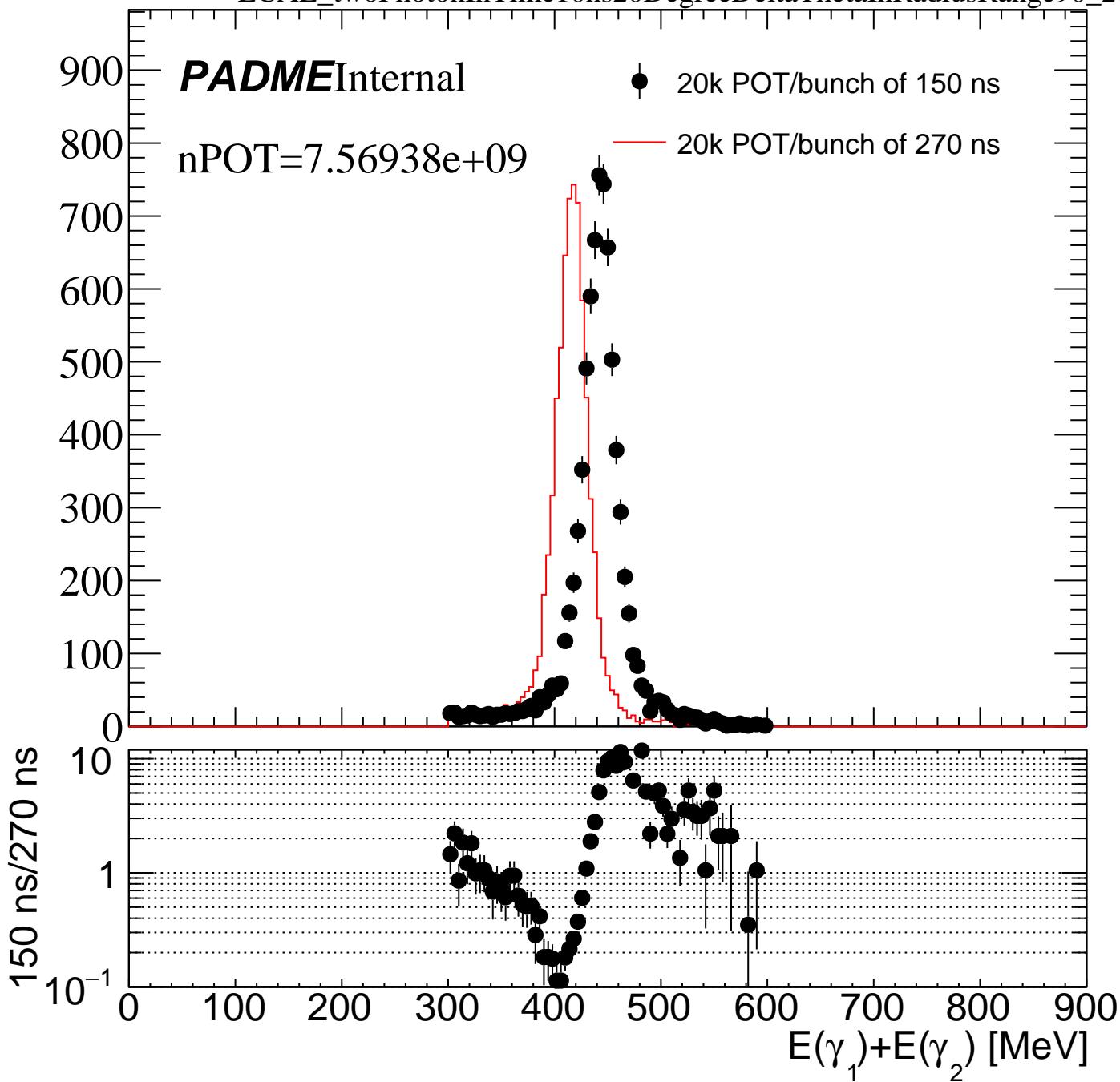




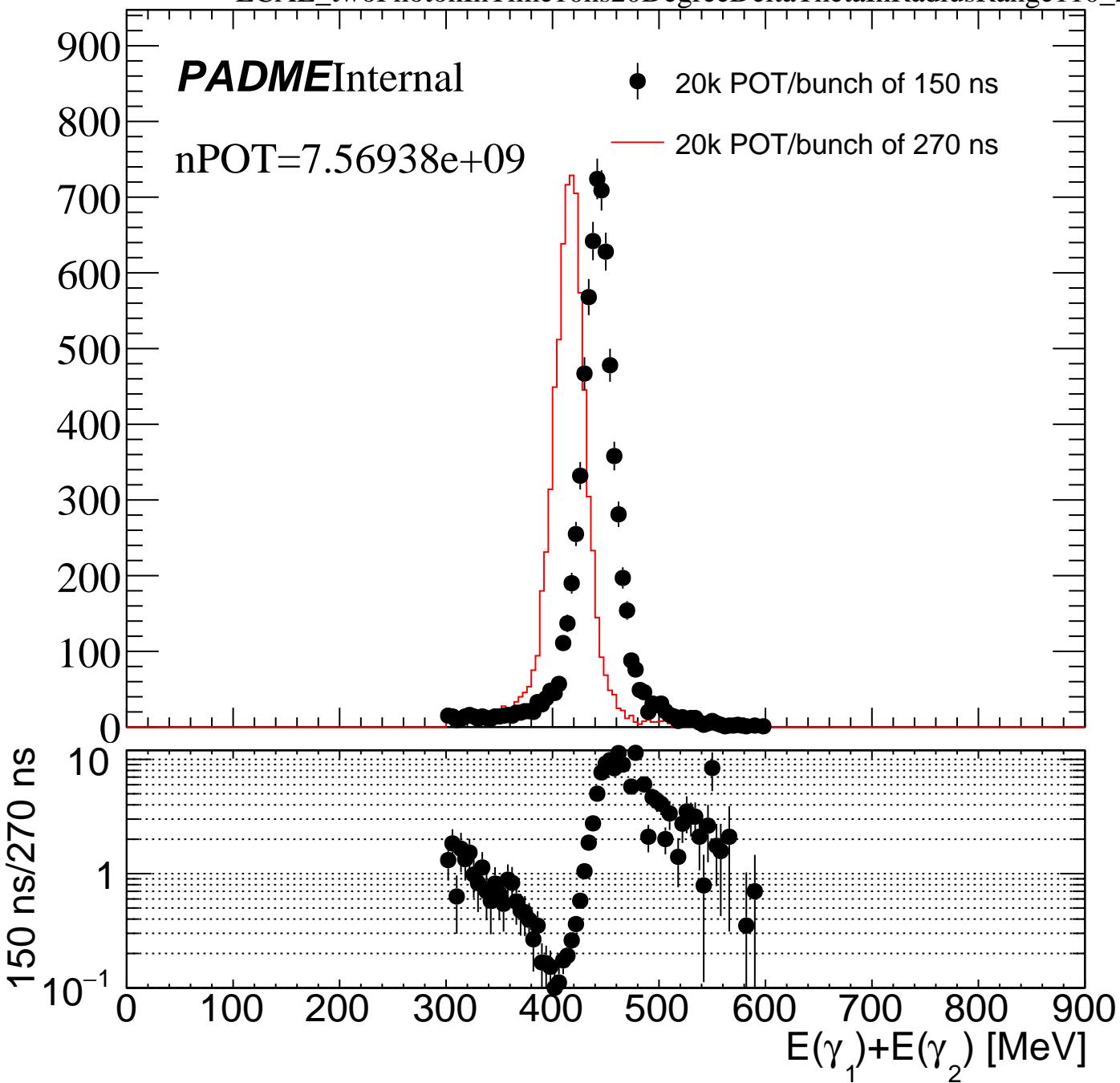


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280

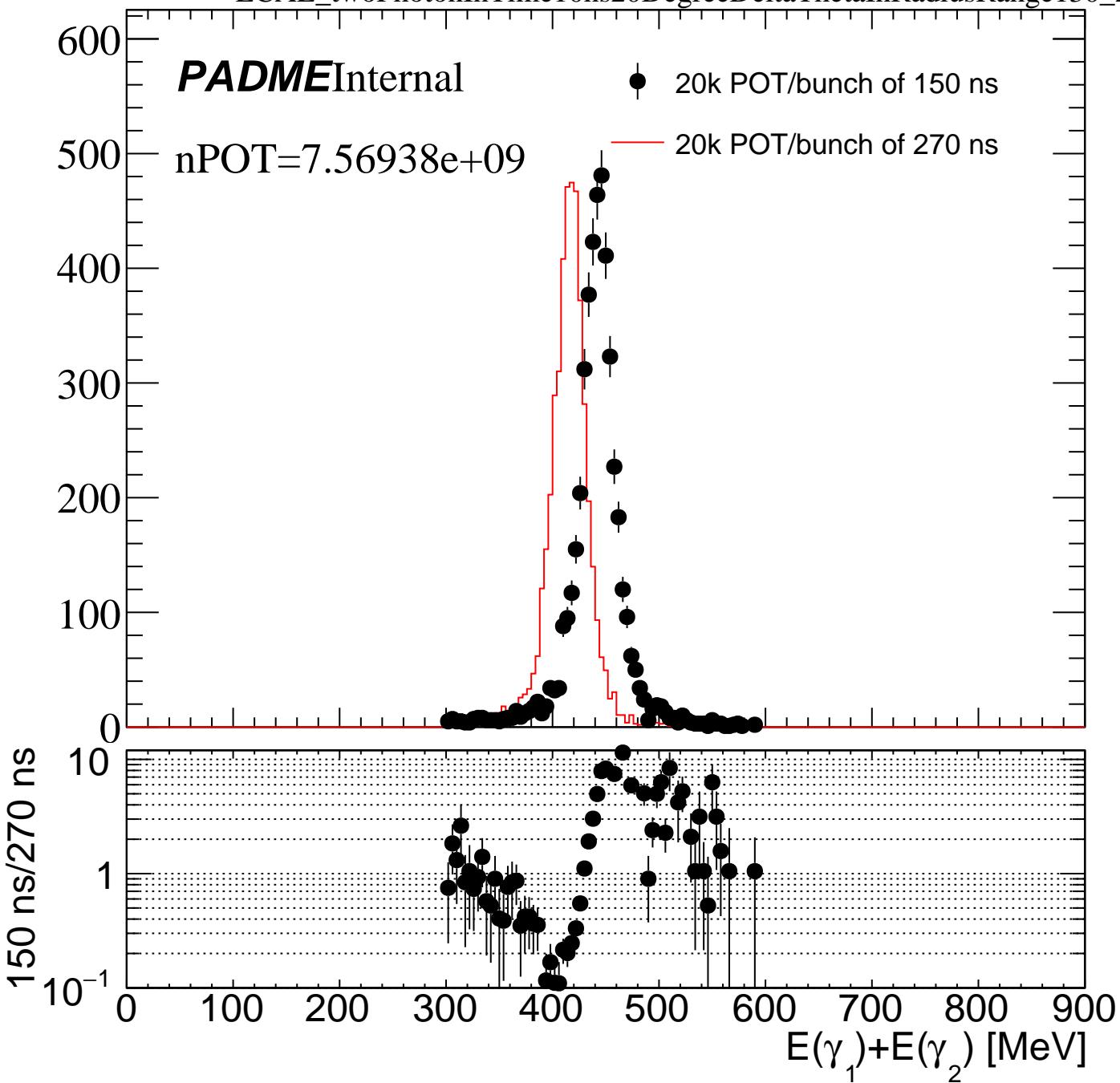




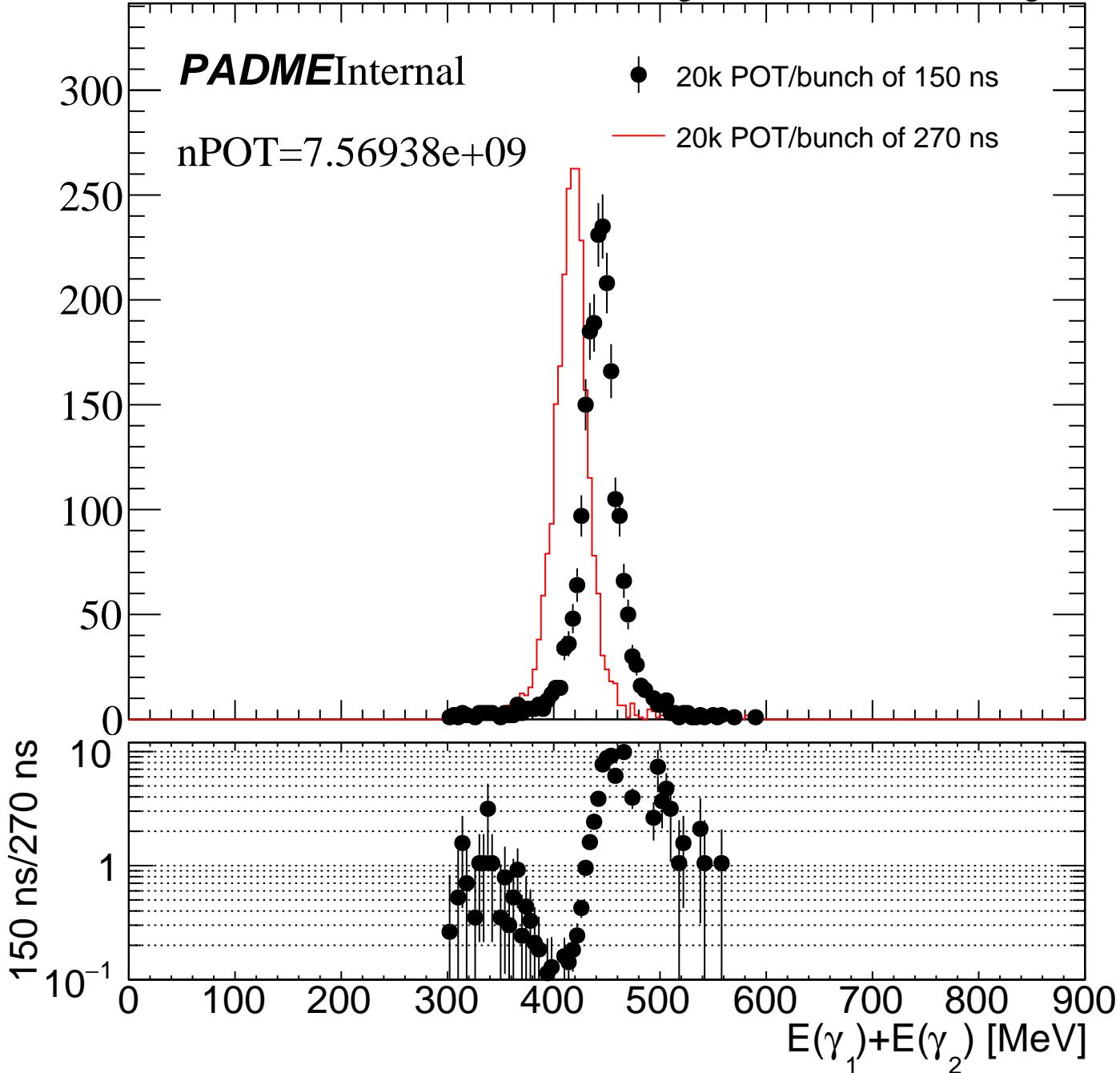
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24



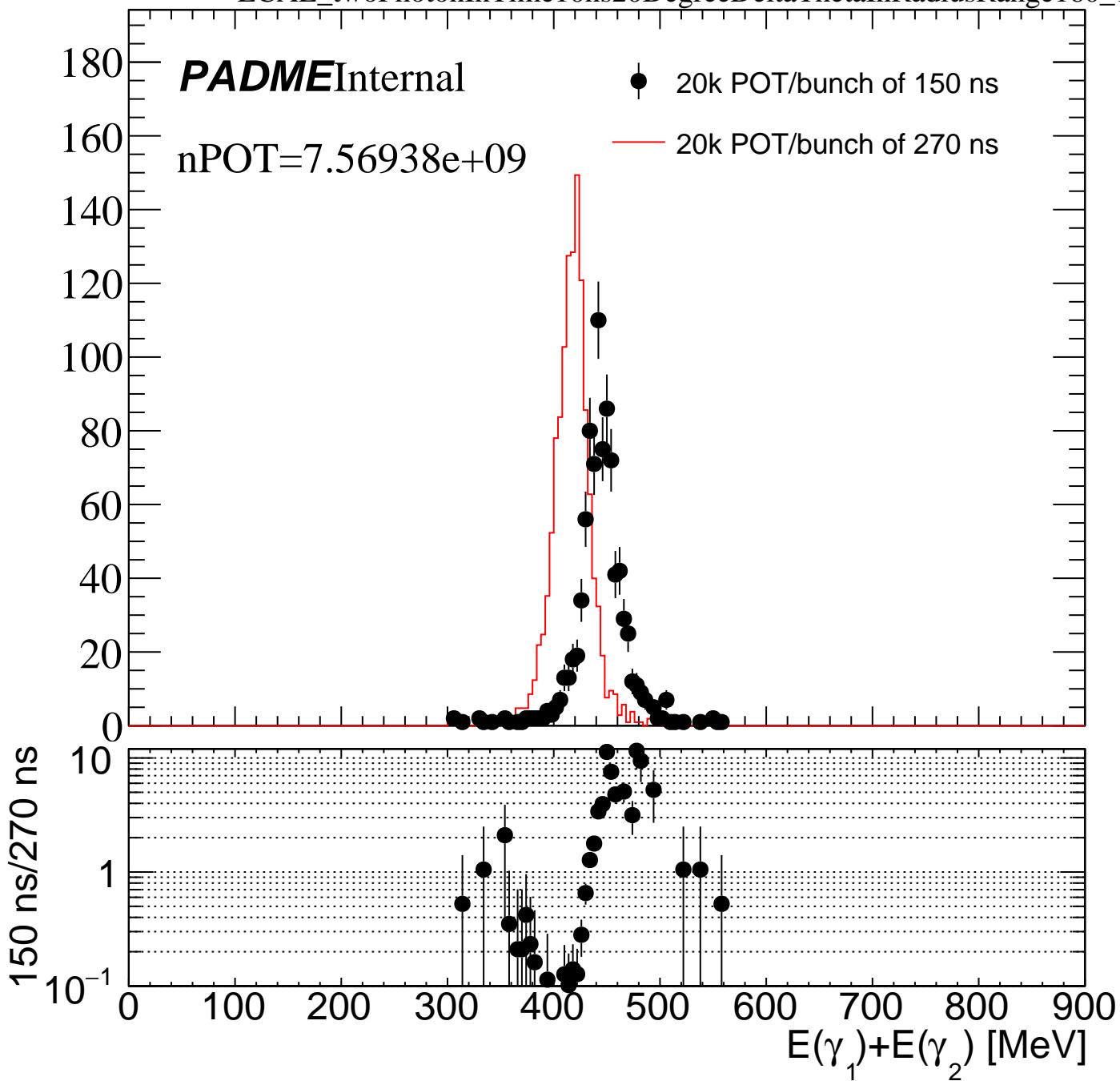
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22

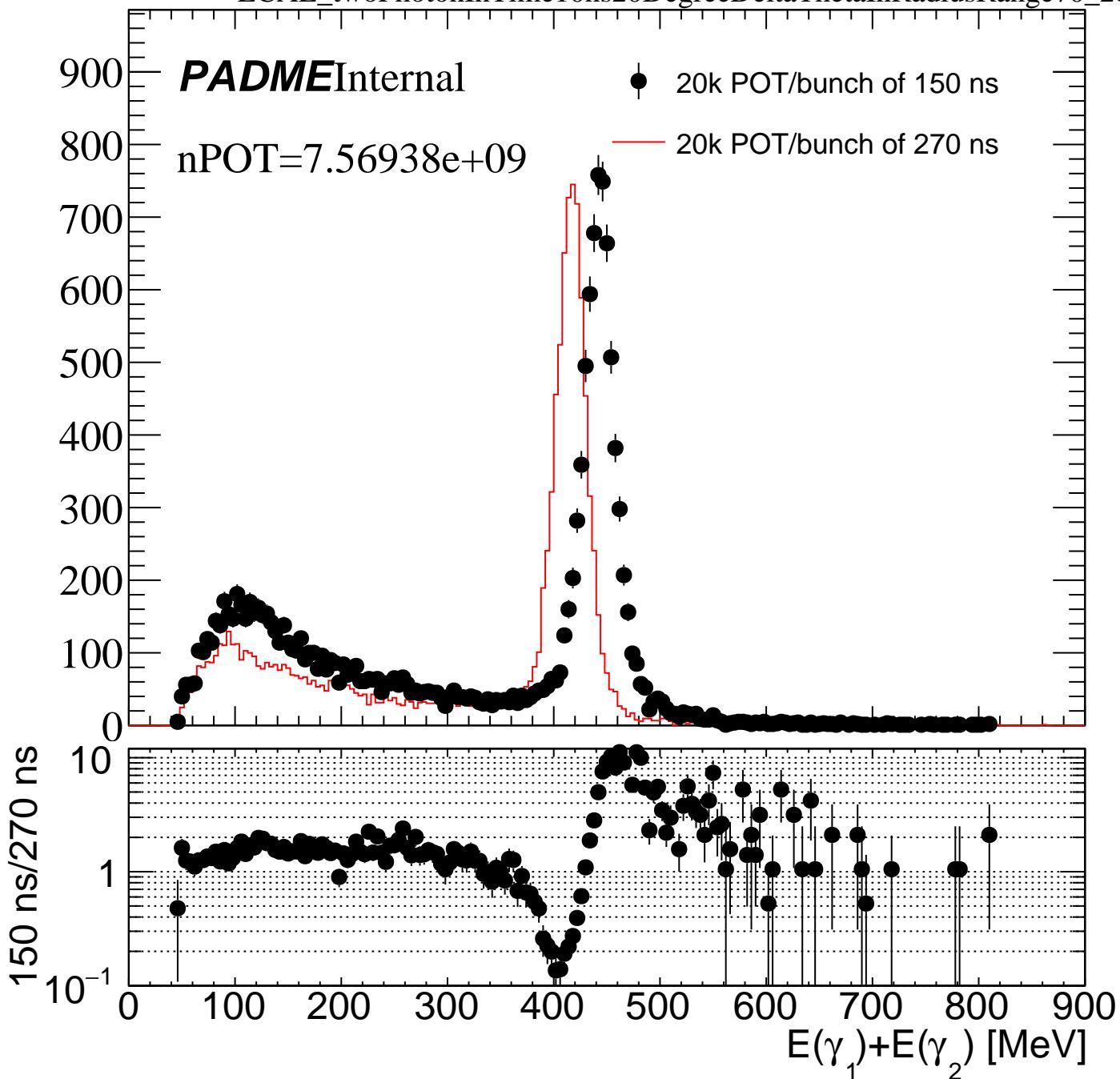


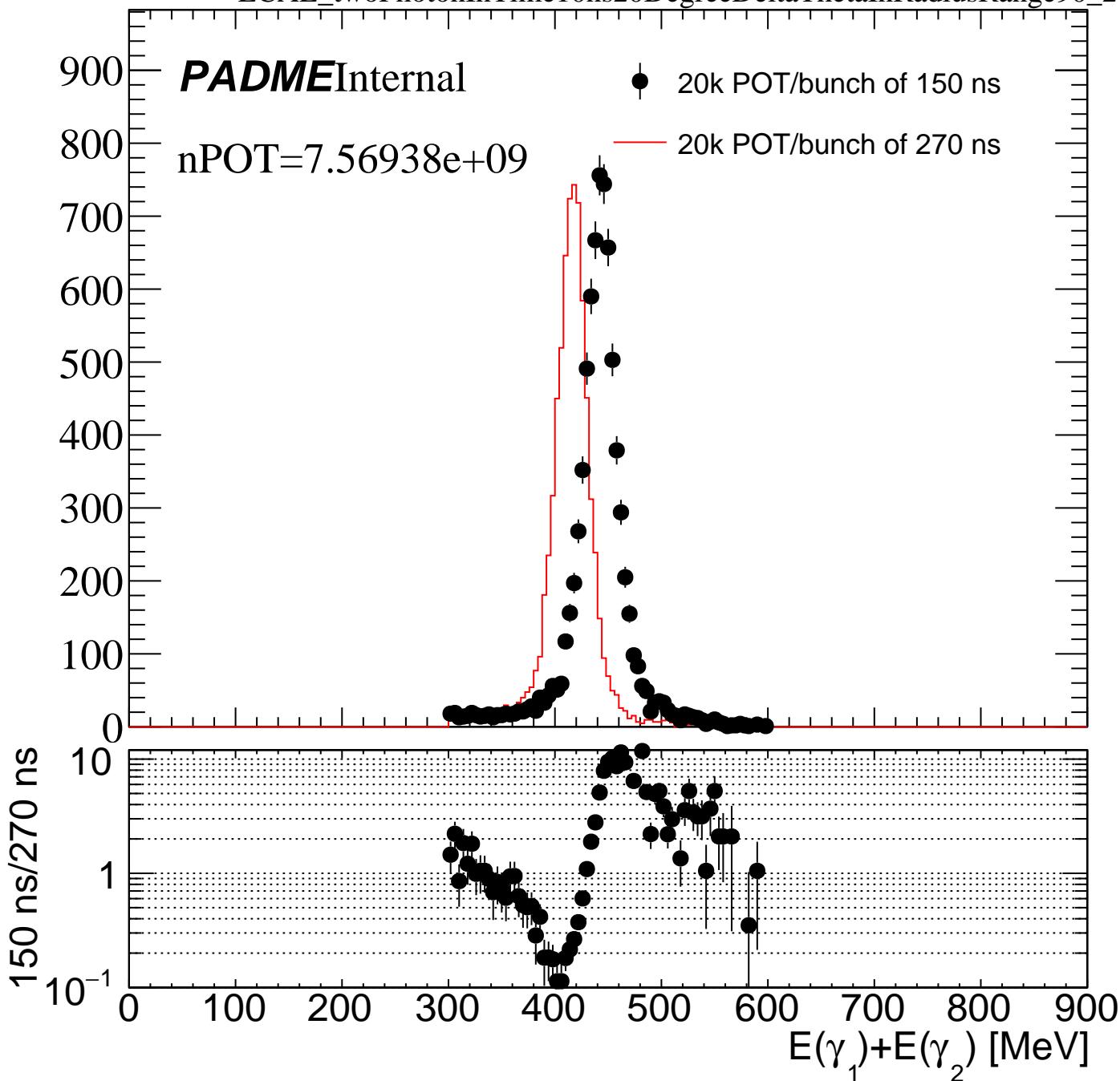
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20



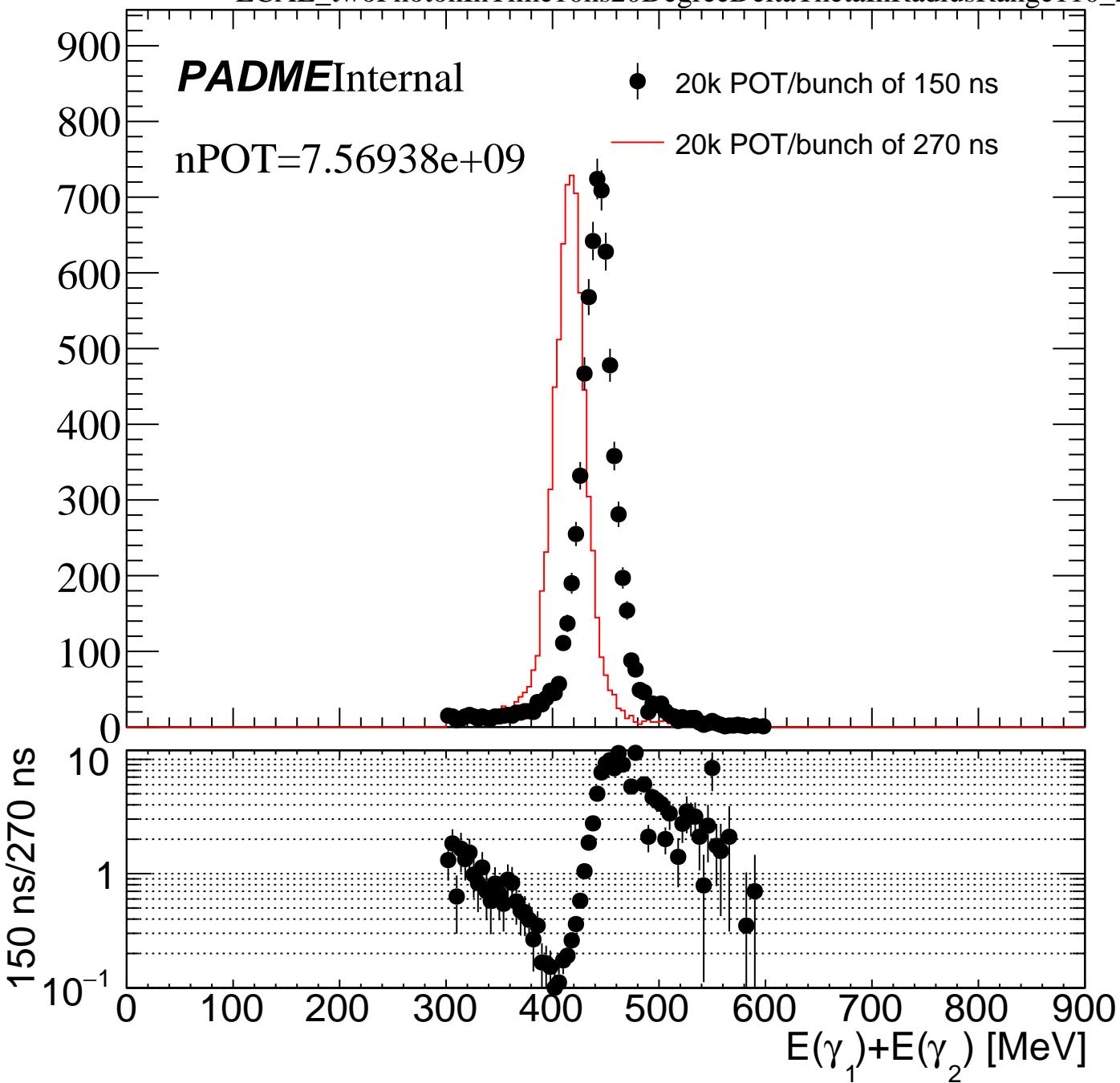
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_19



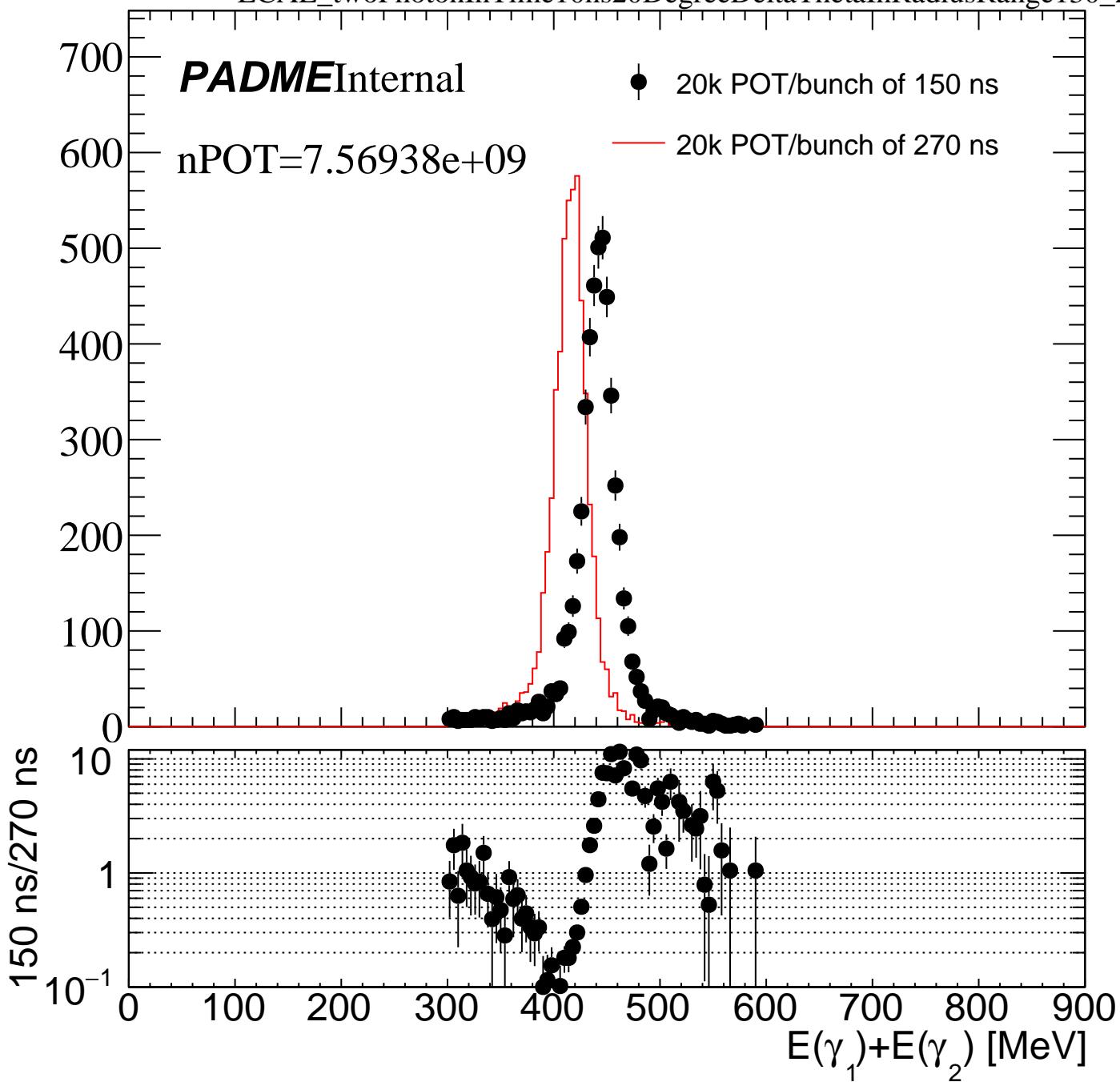


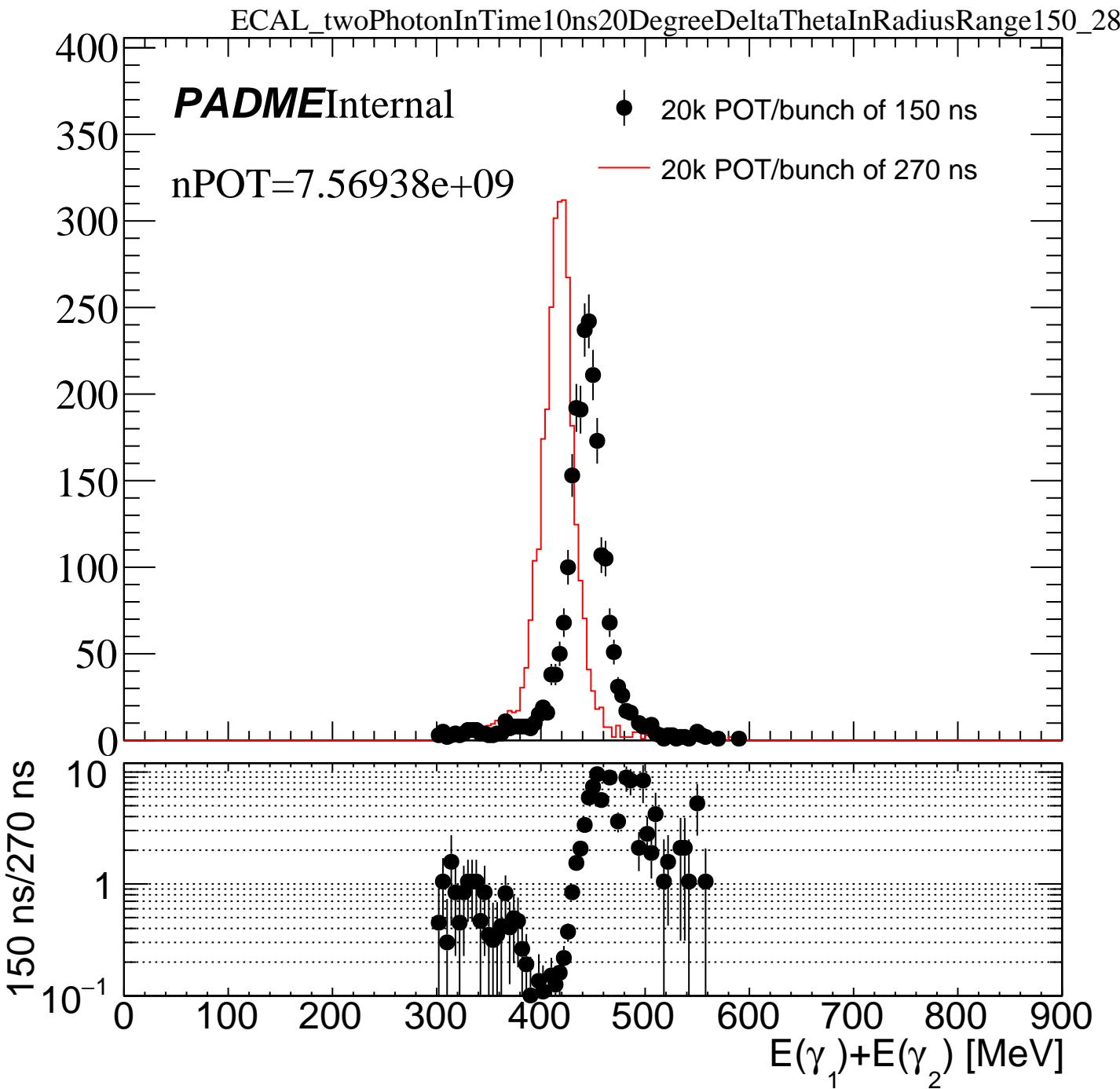


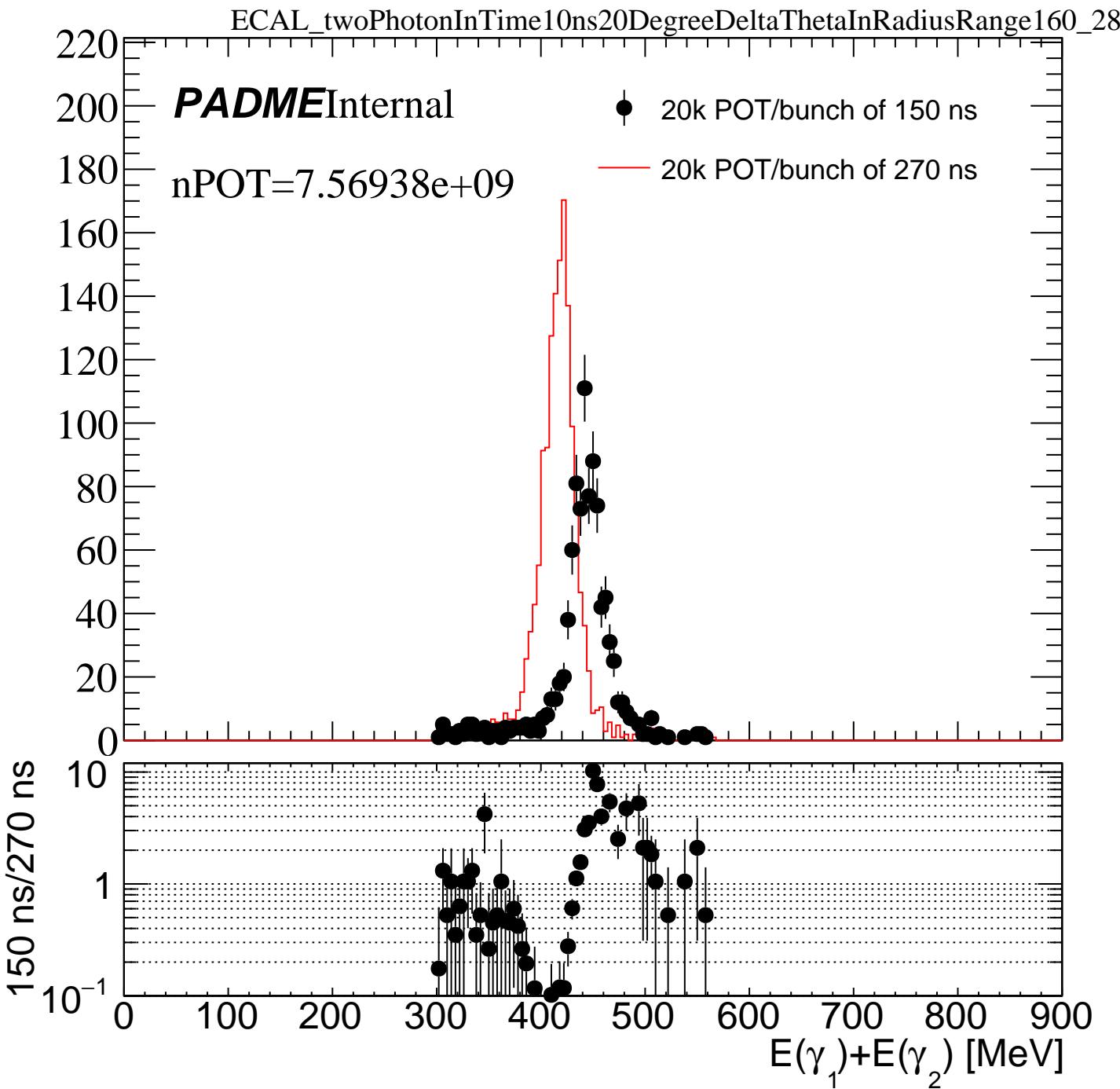
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28



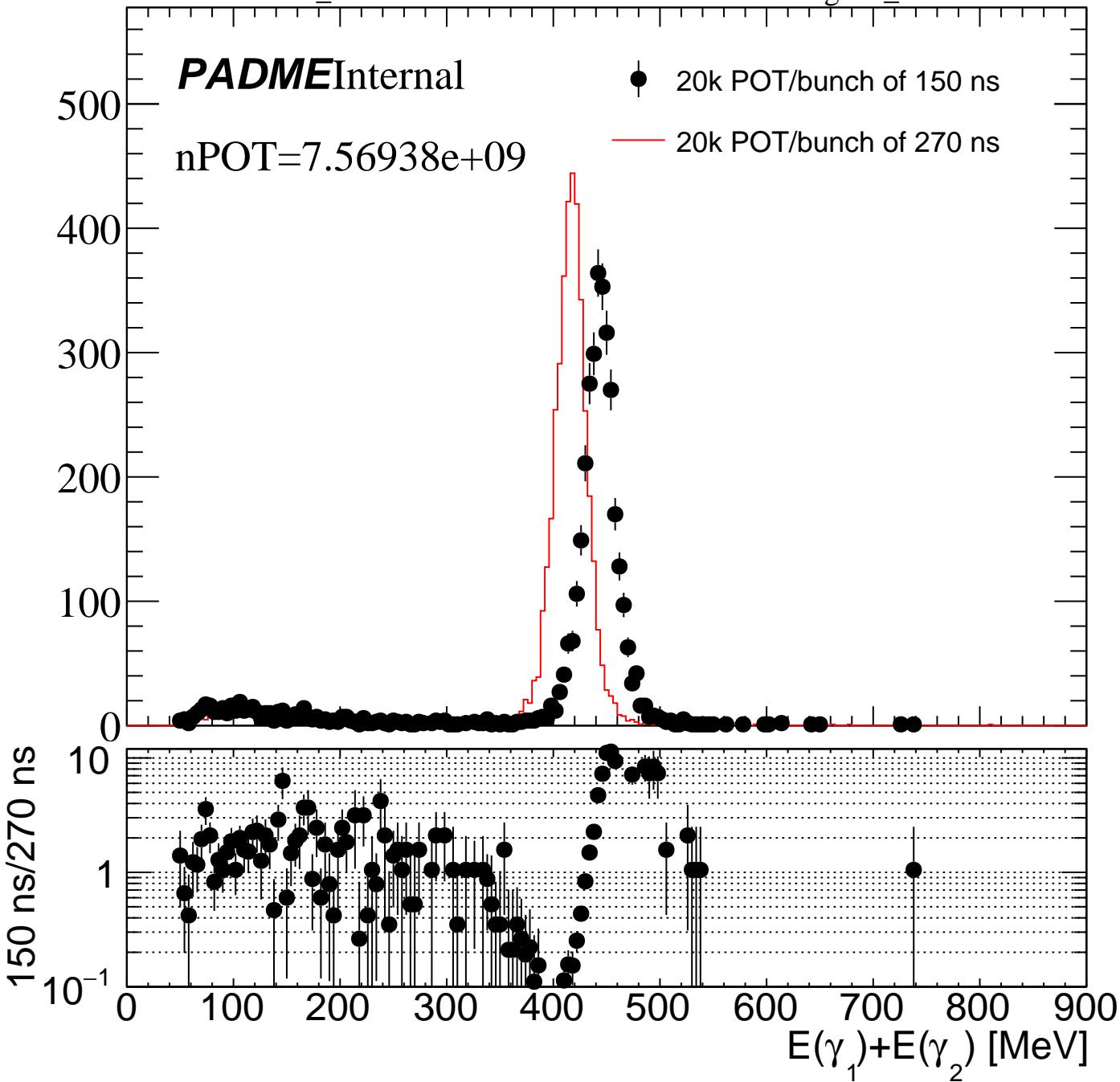
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28



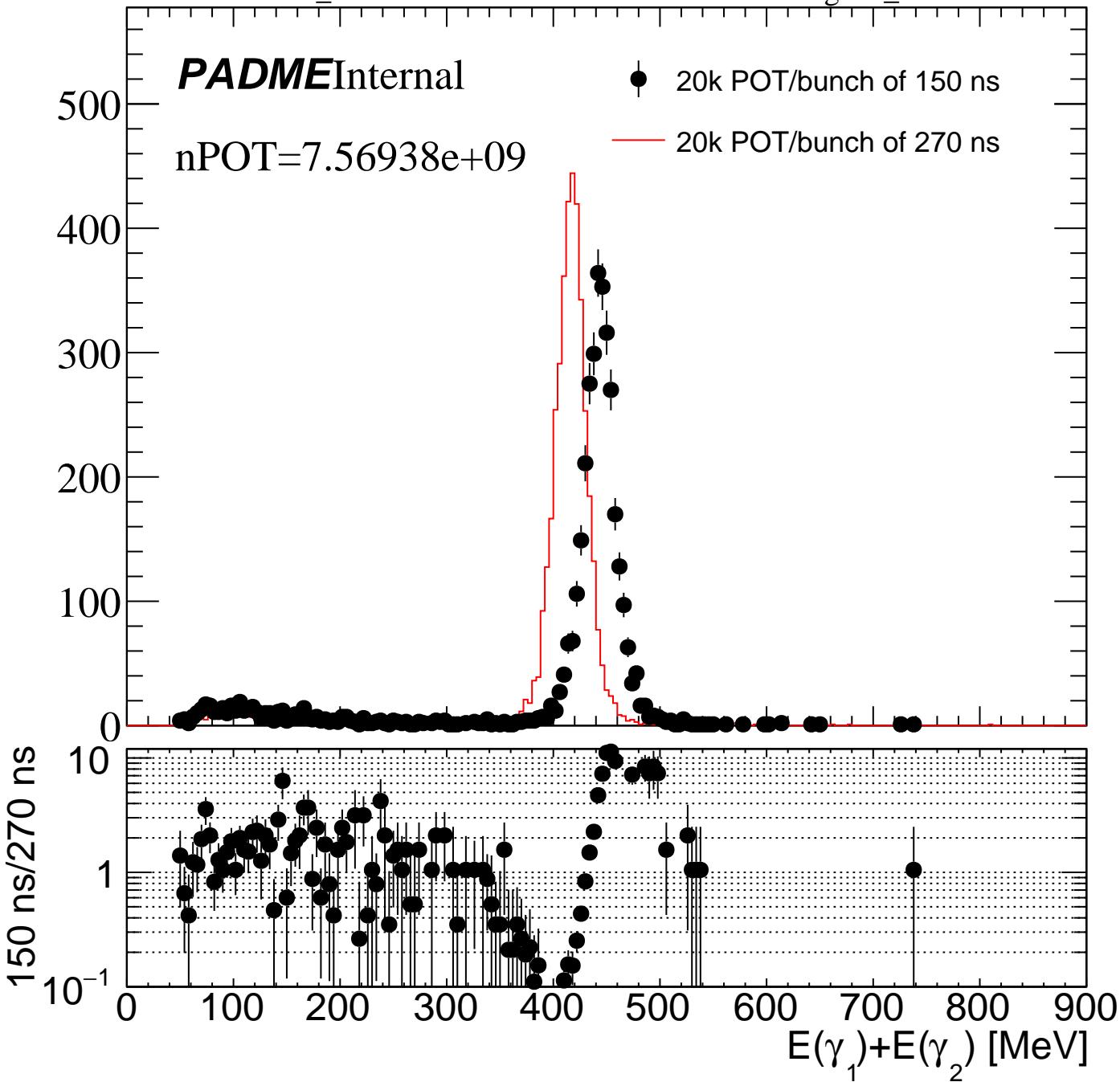




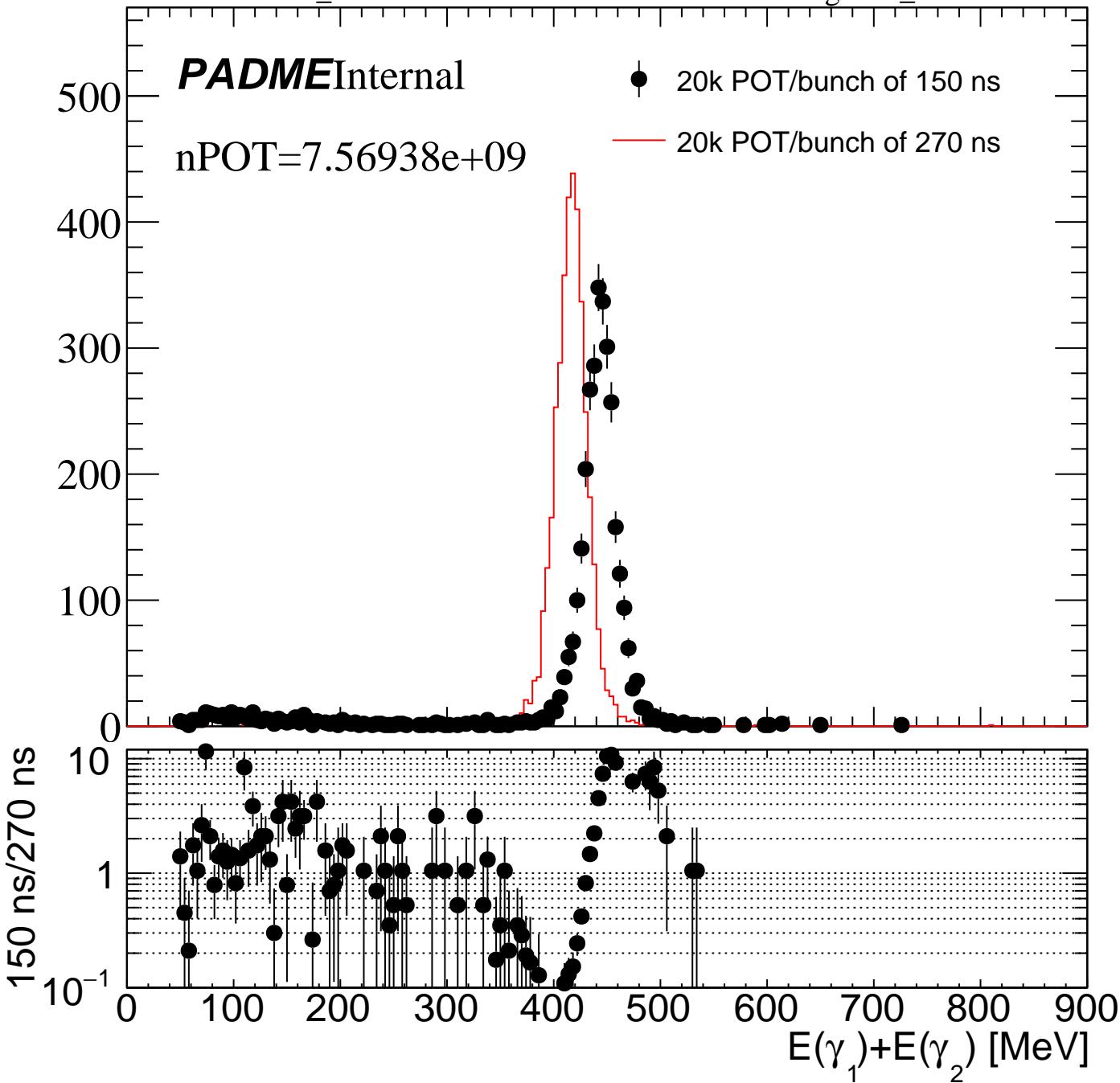
ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280



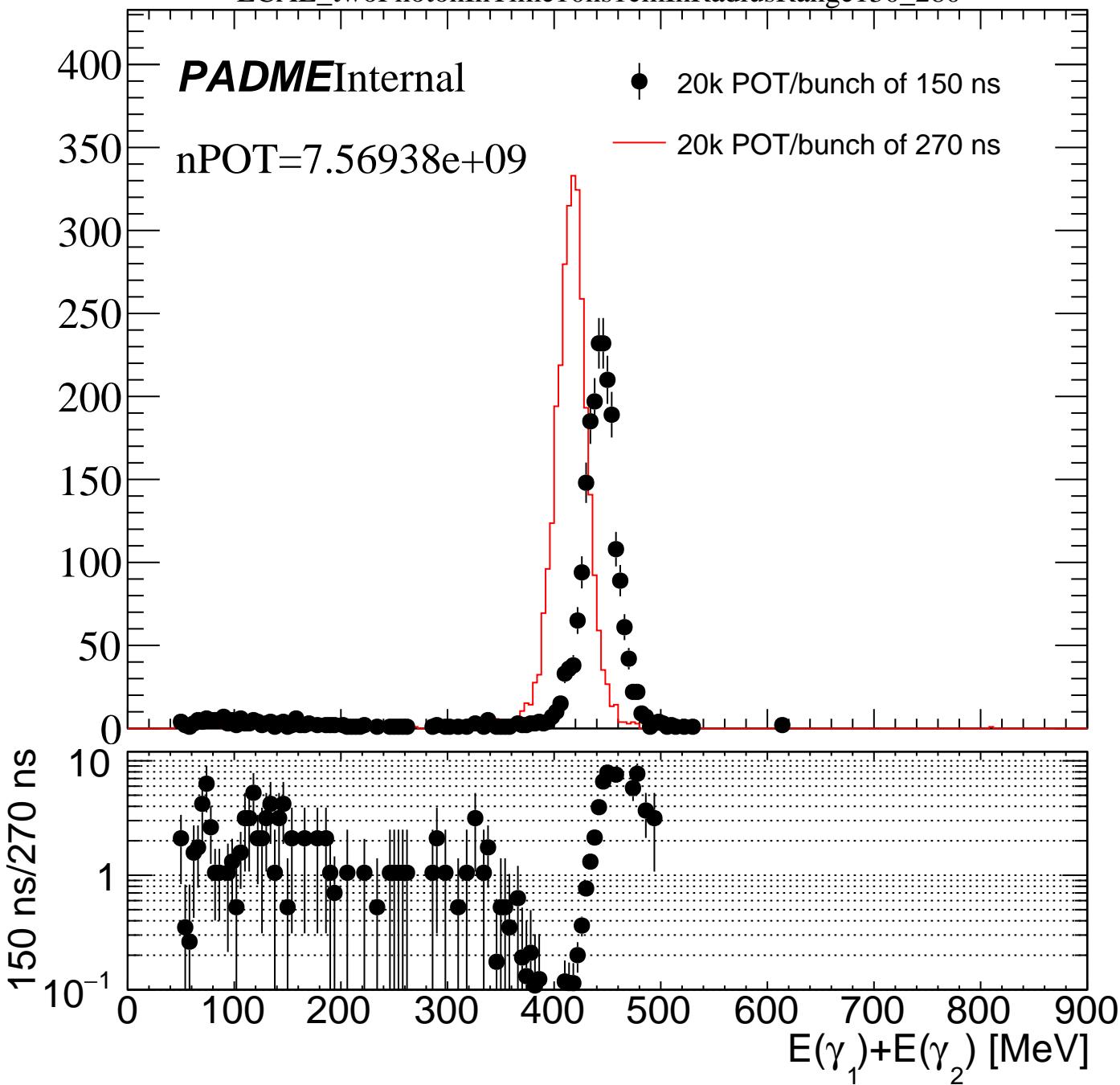
ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280



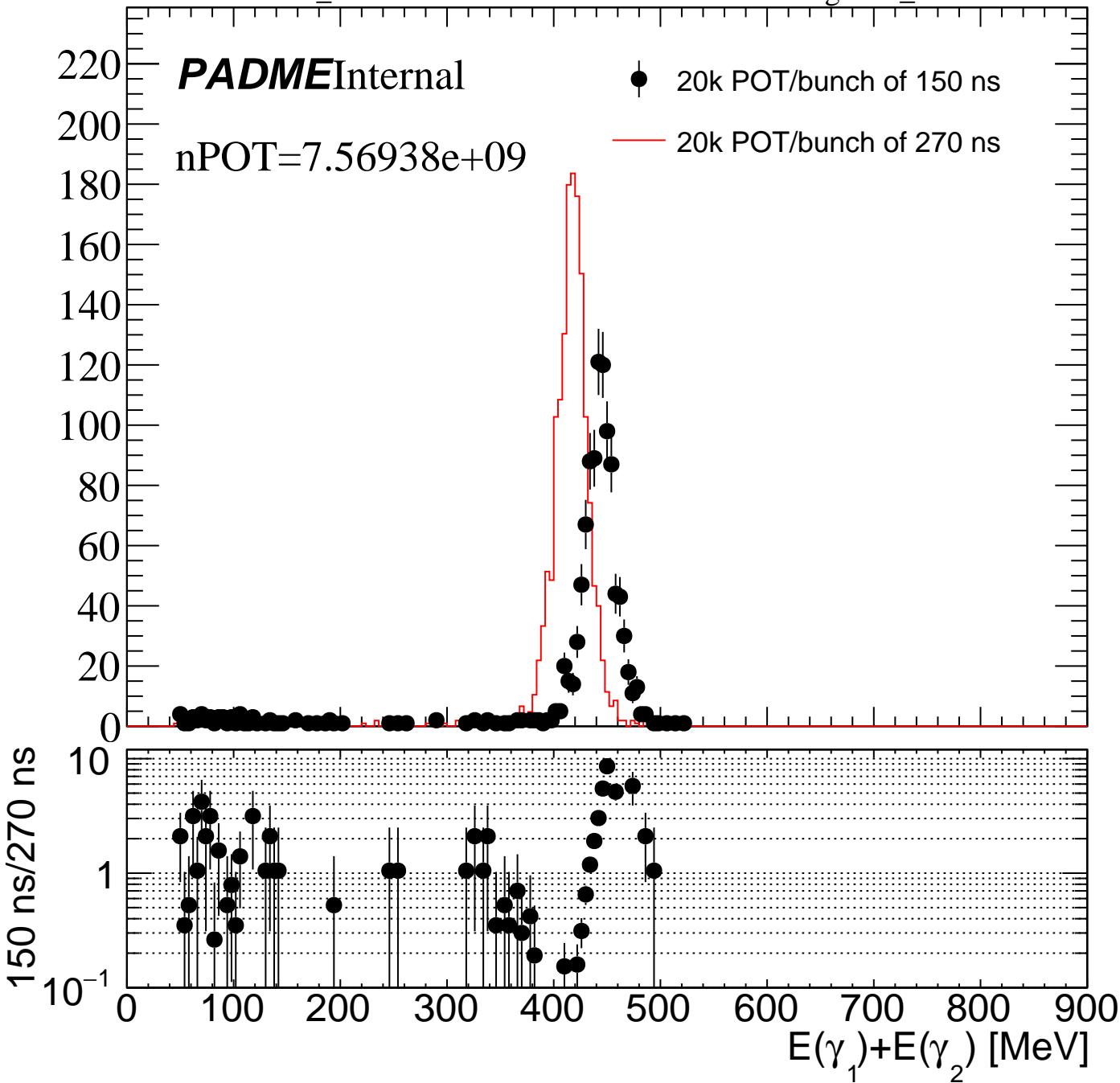
ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280



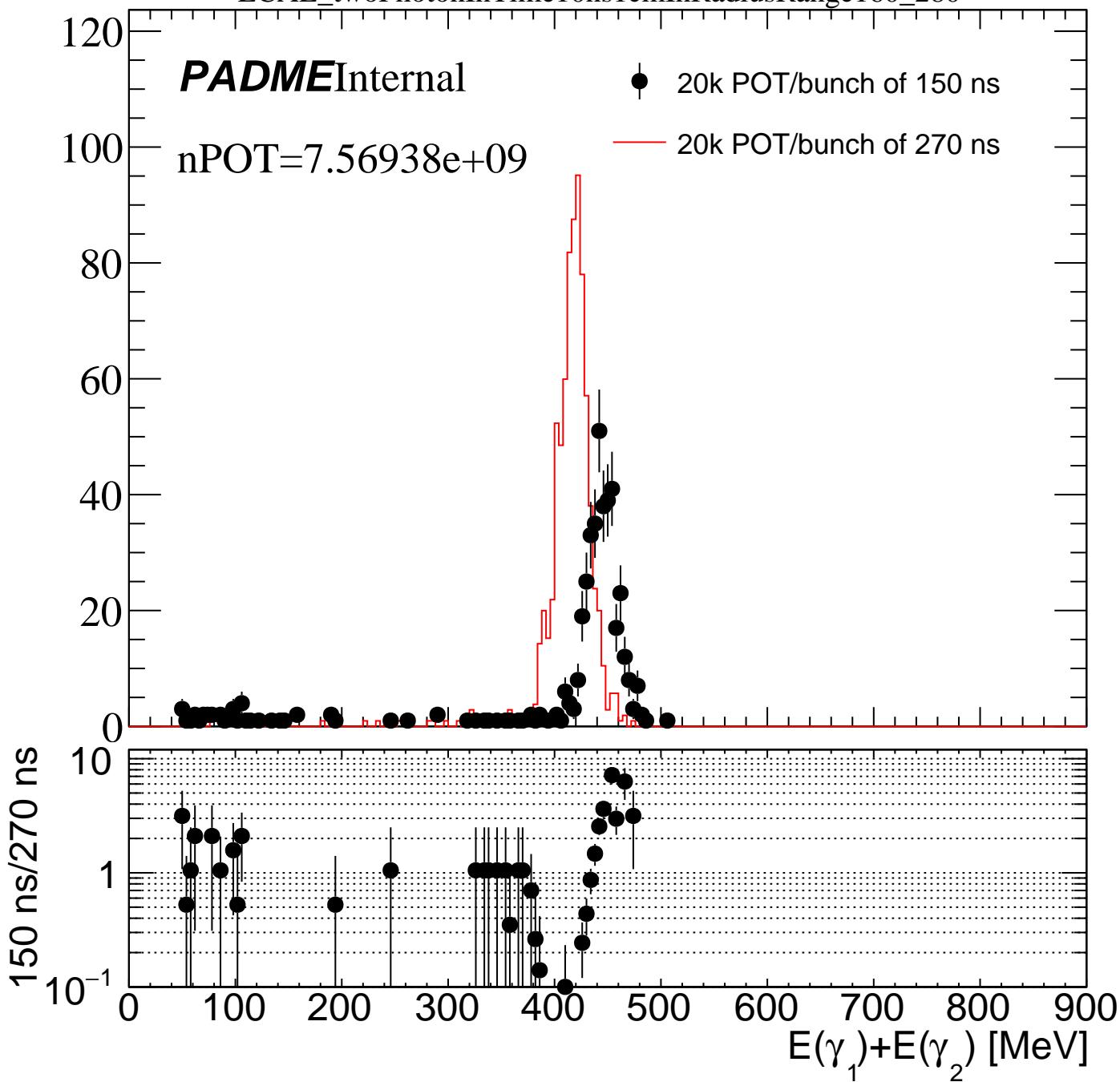
ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280



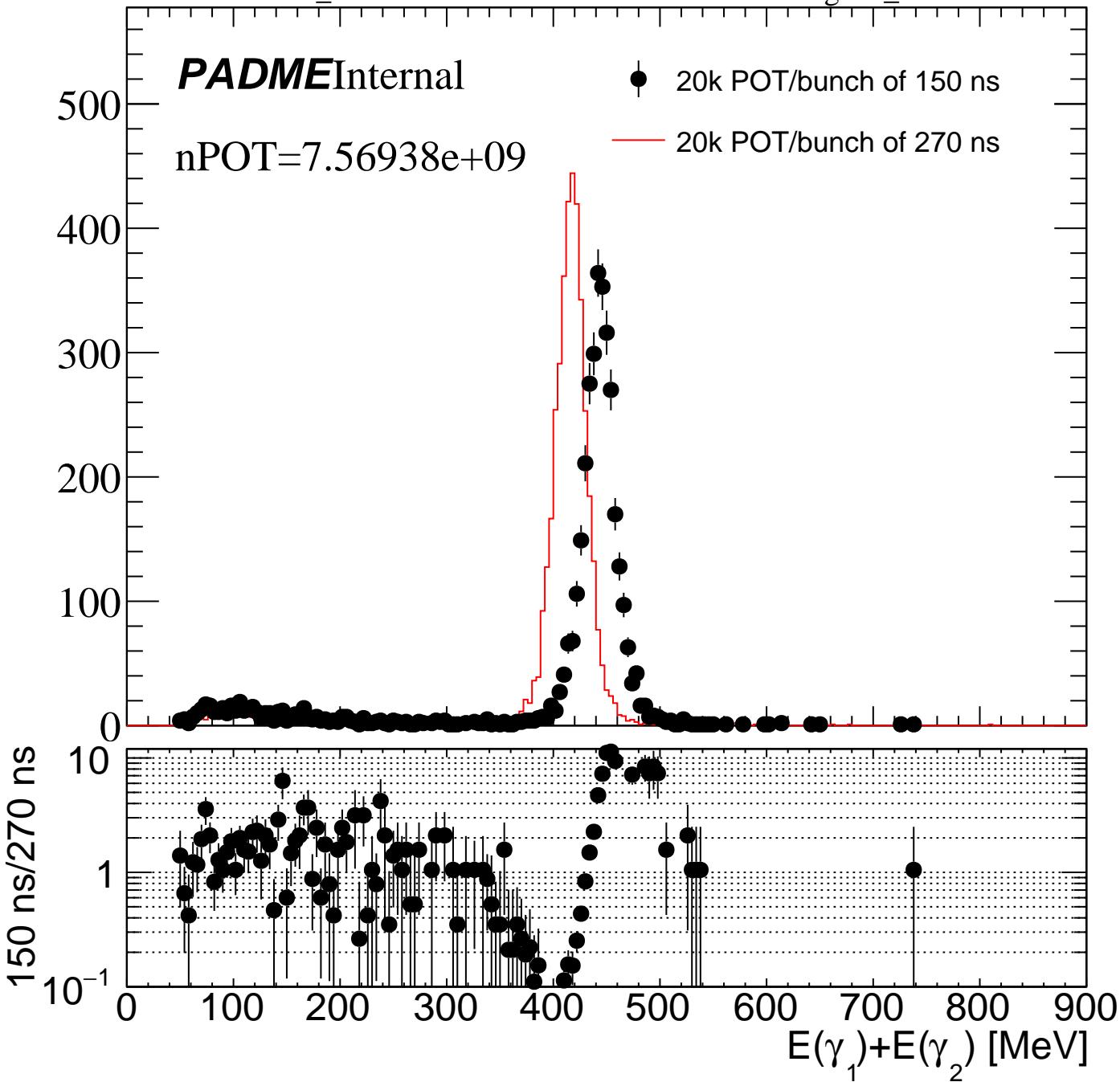
ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280



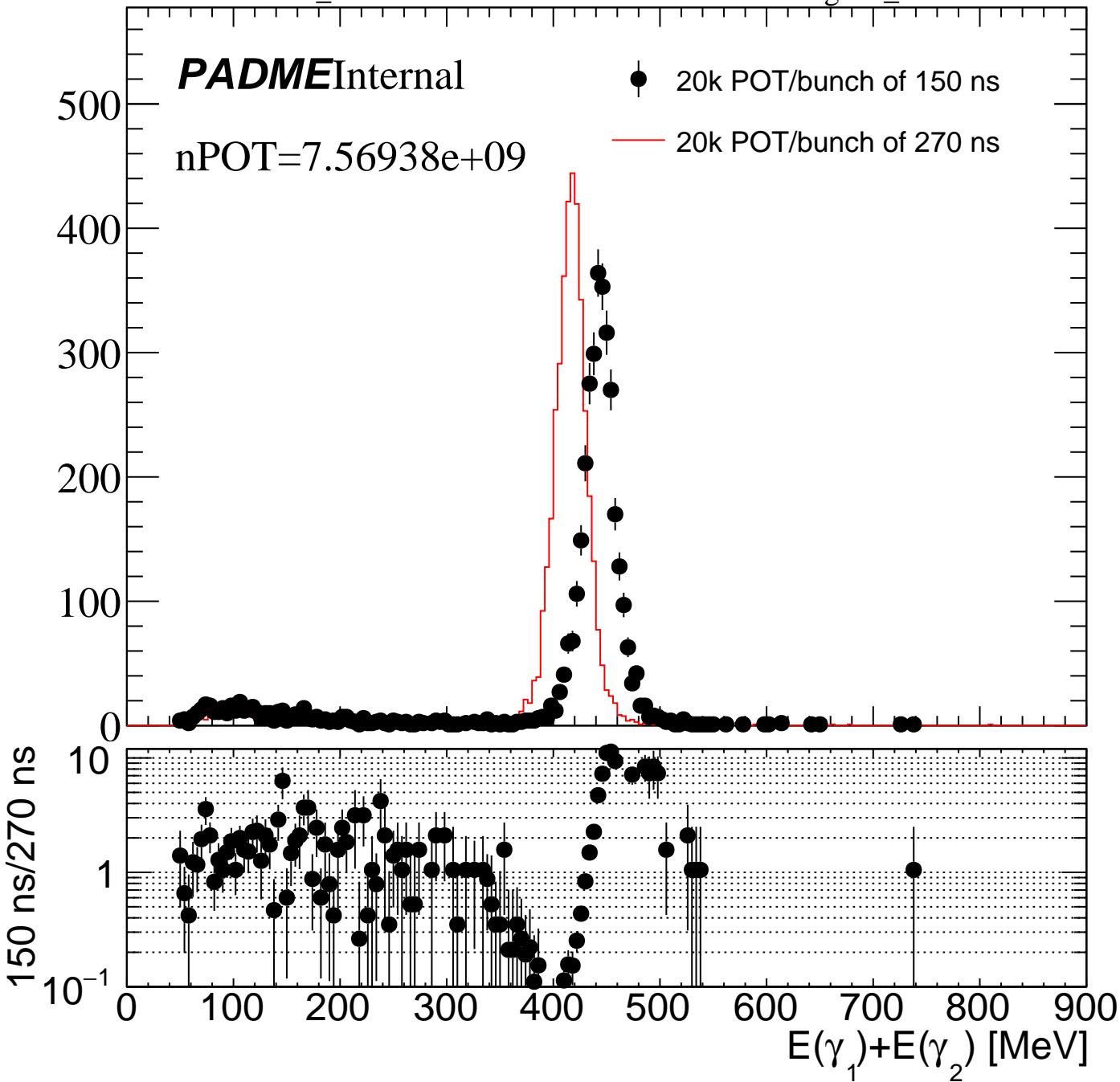
ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280



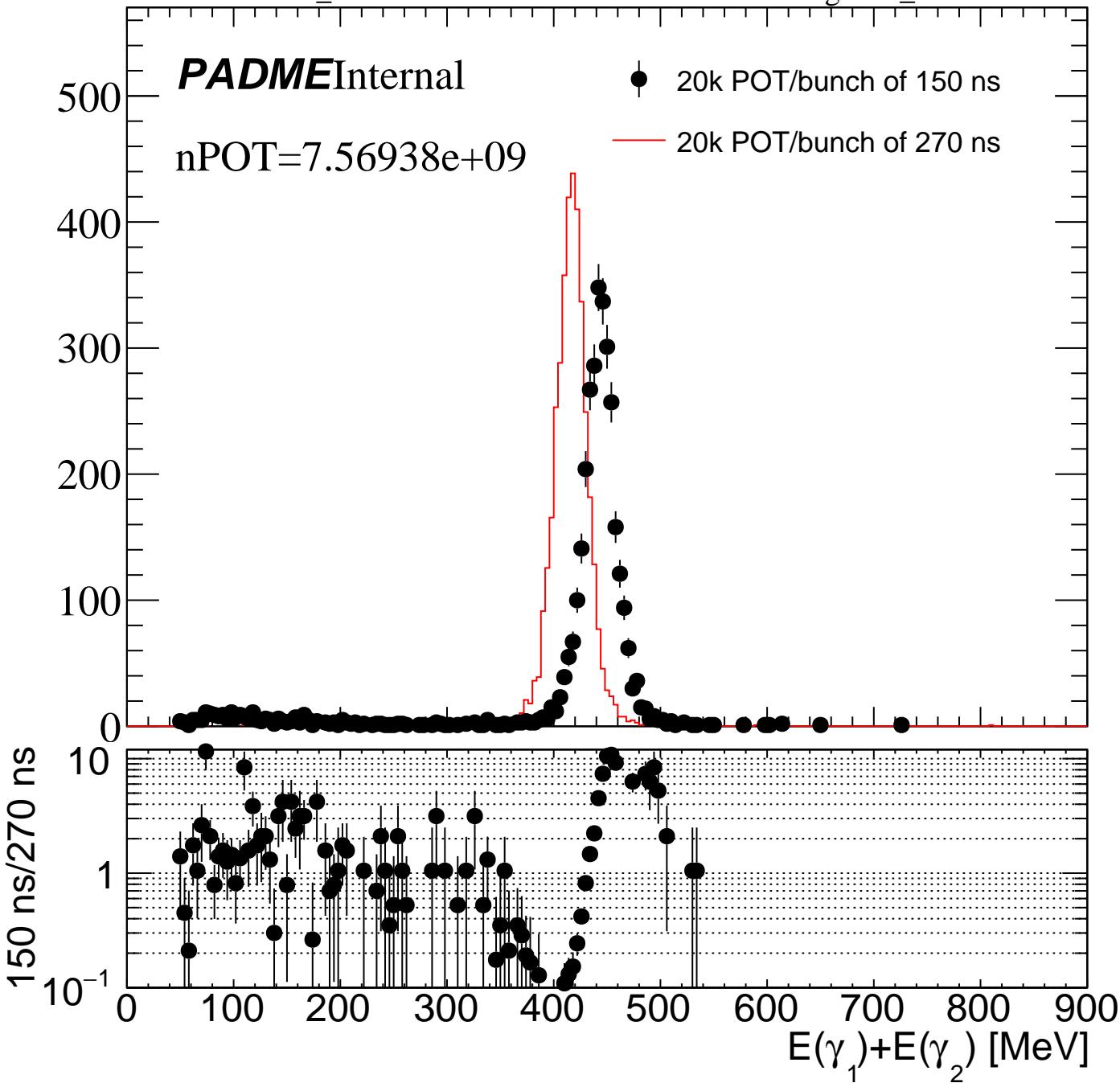
ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280



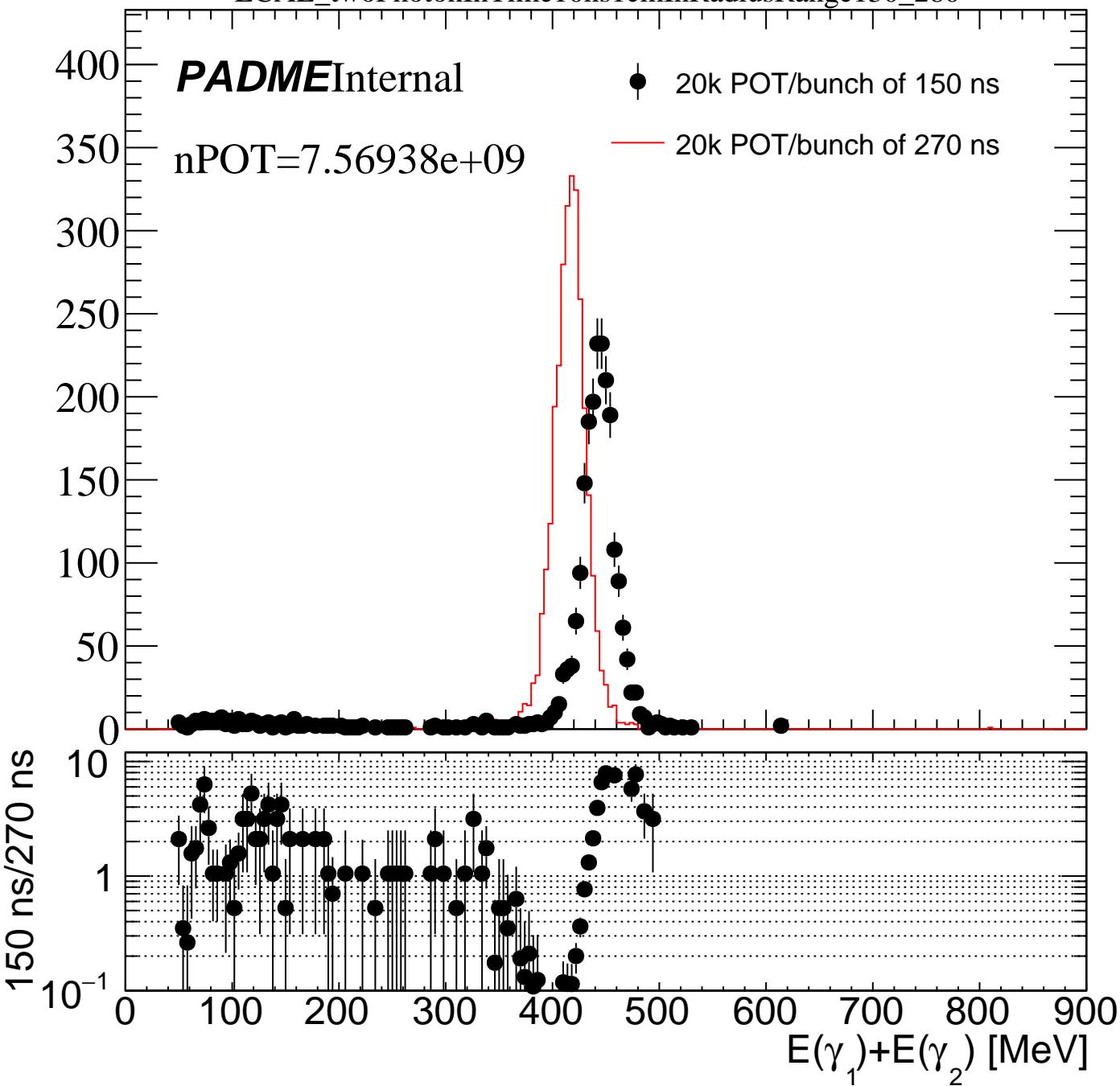
ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280



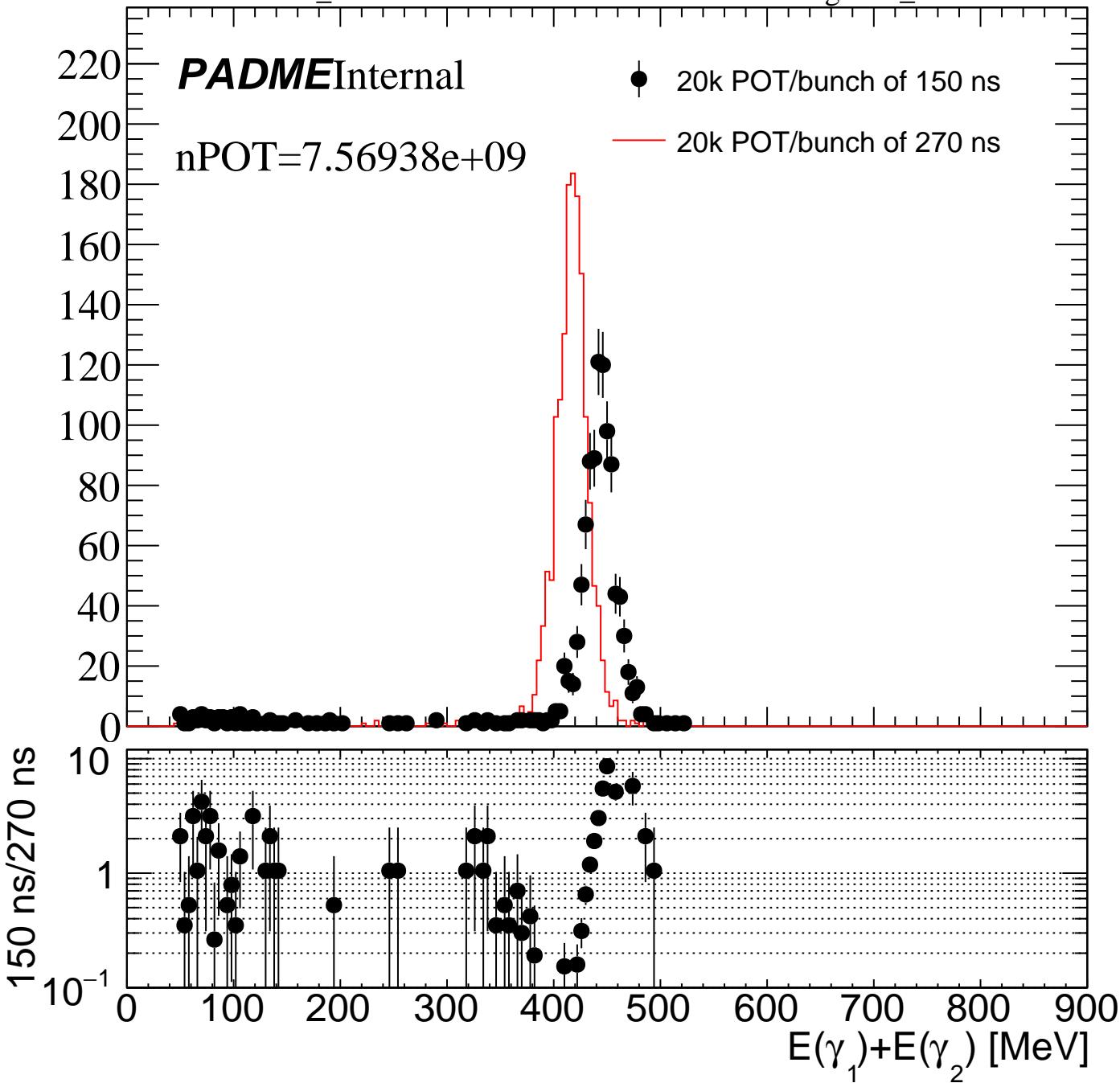
ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280



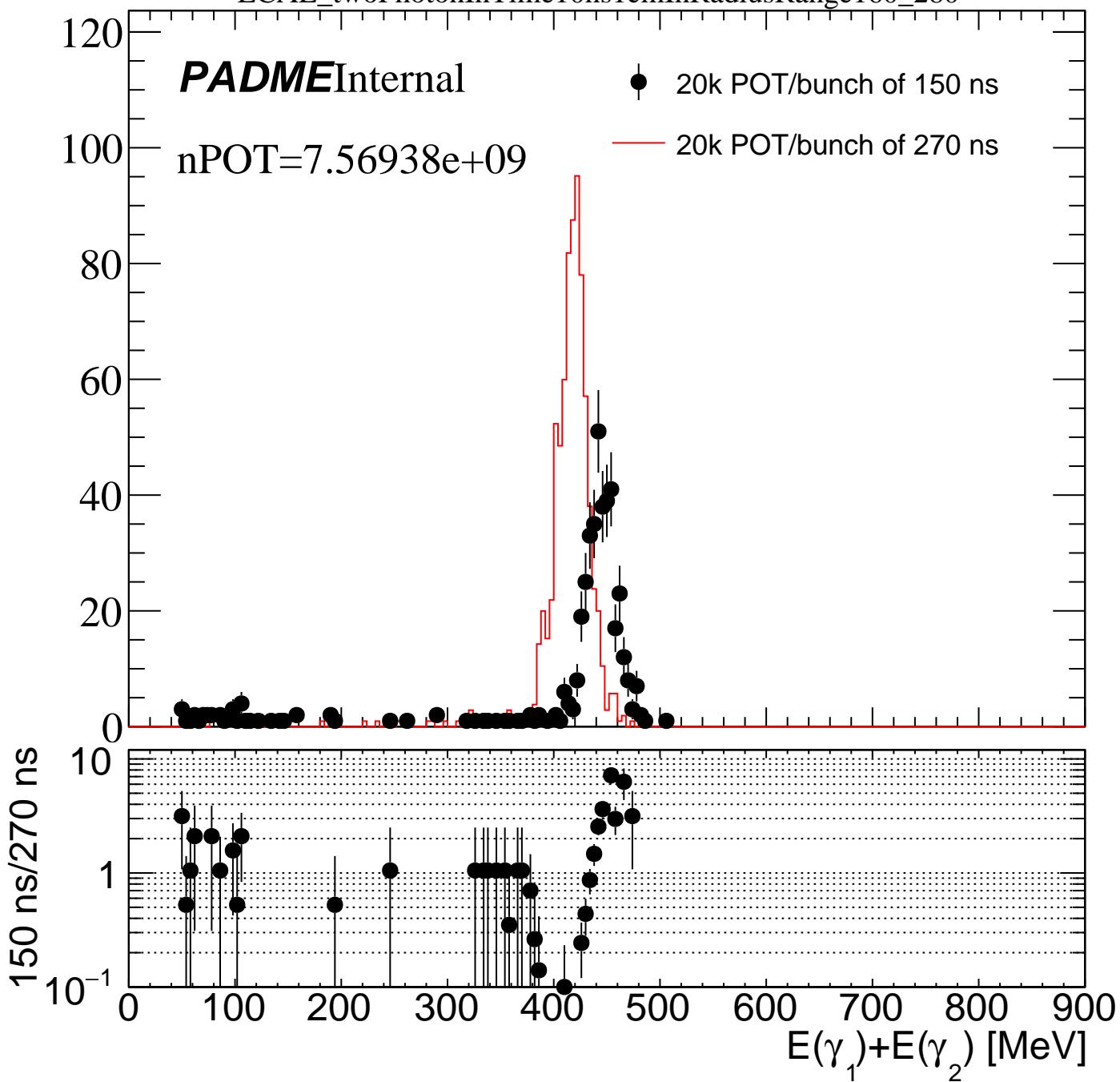
ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280

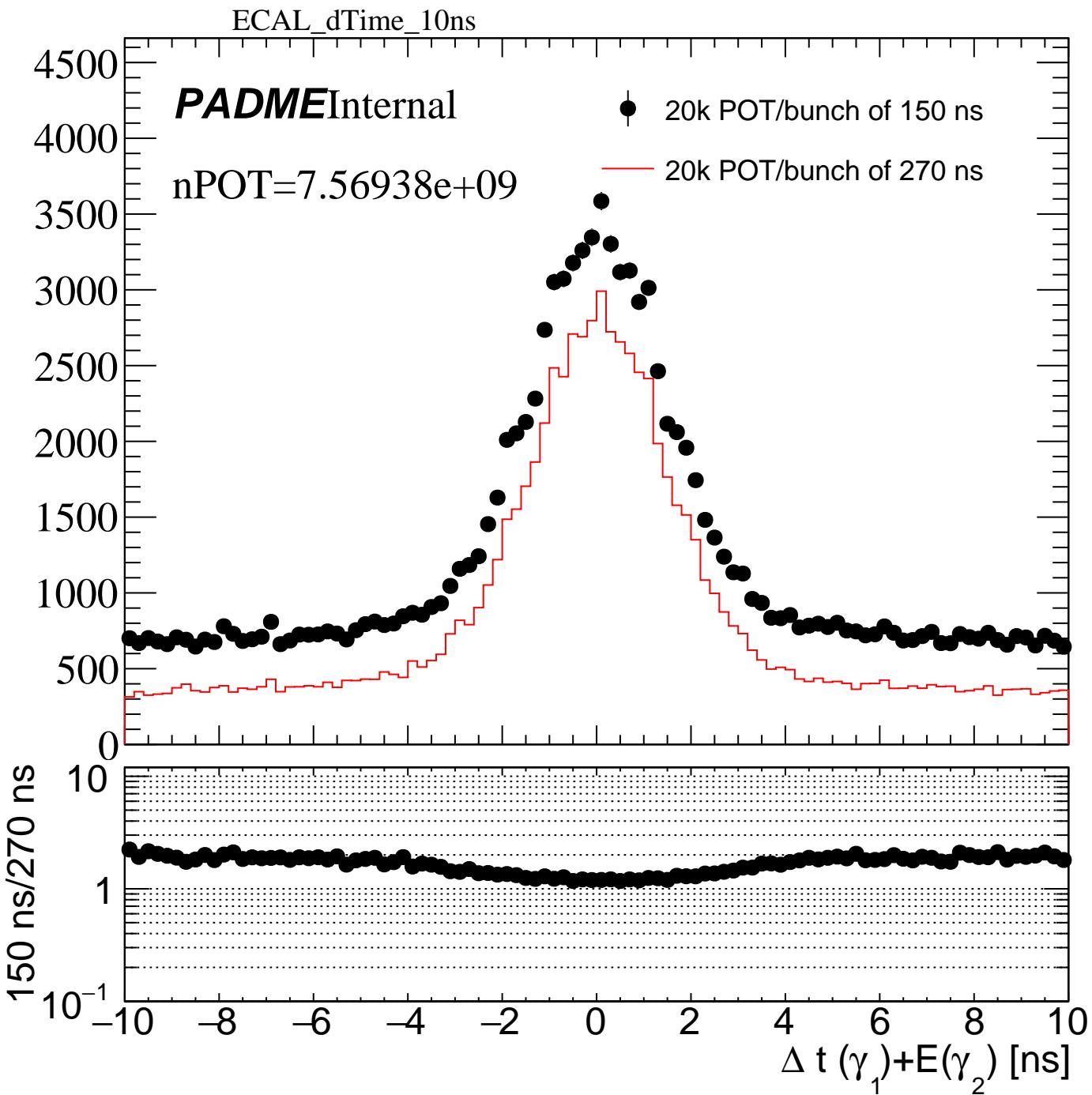


ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280

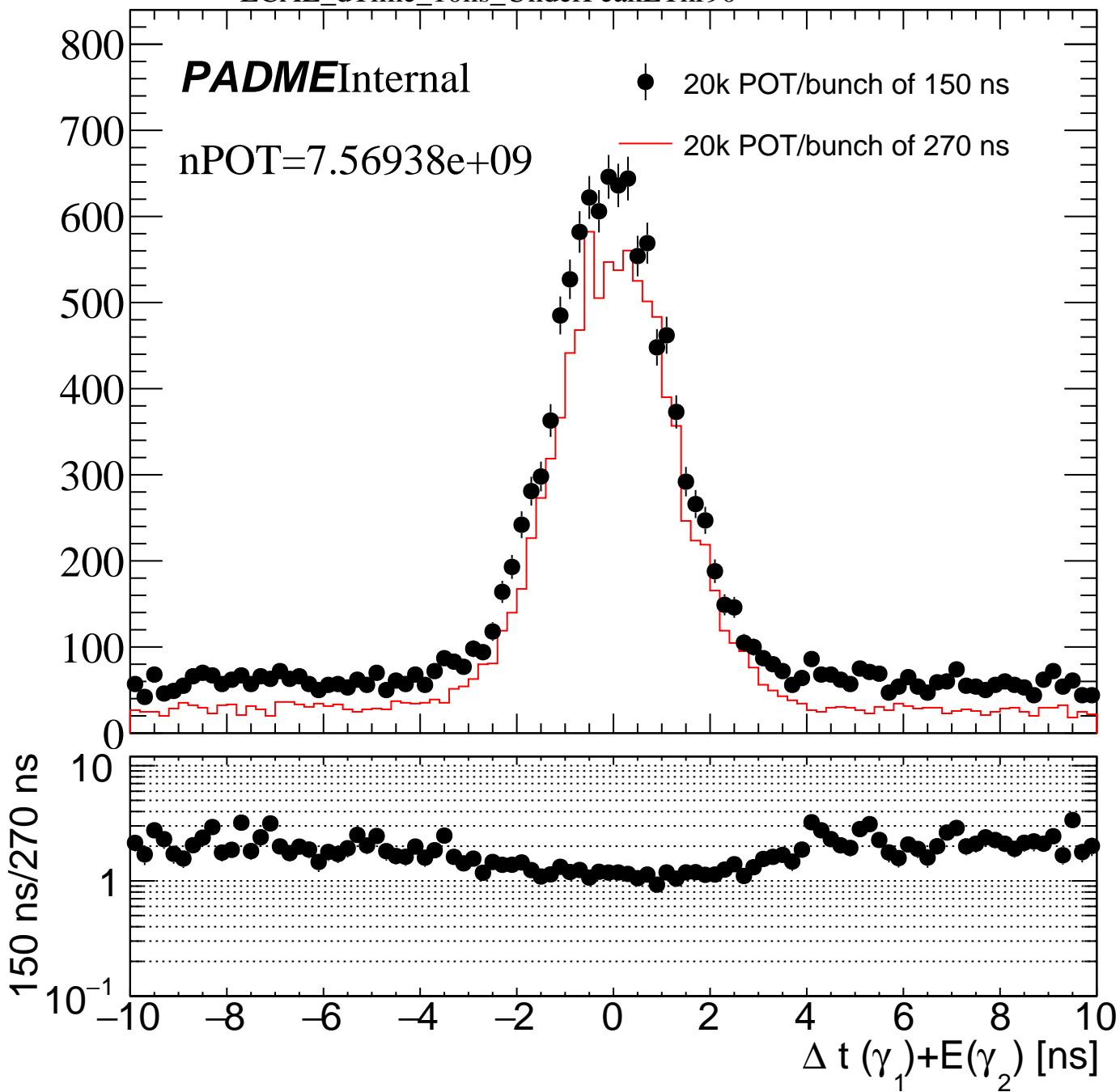


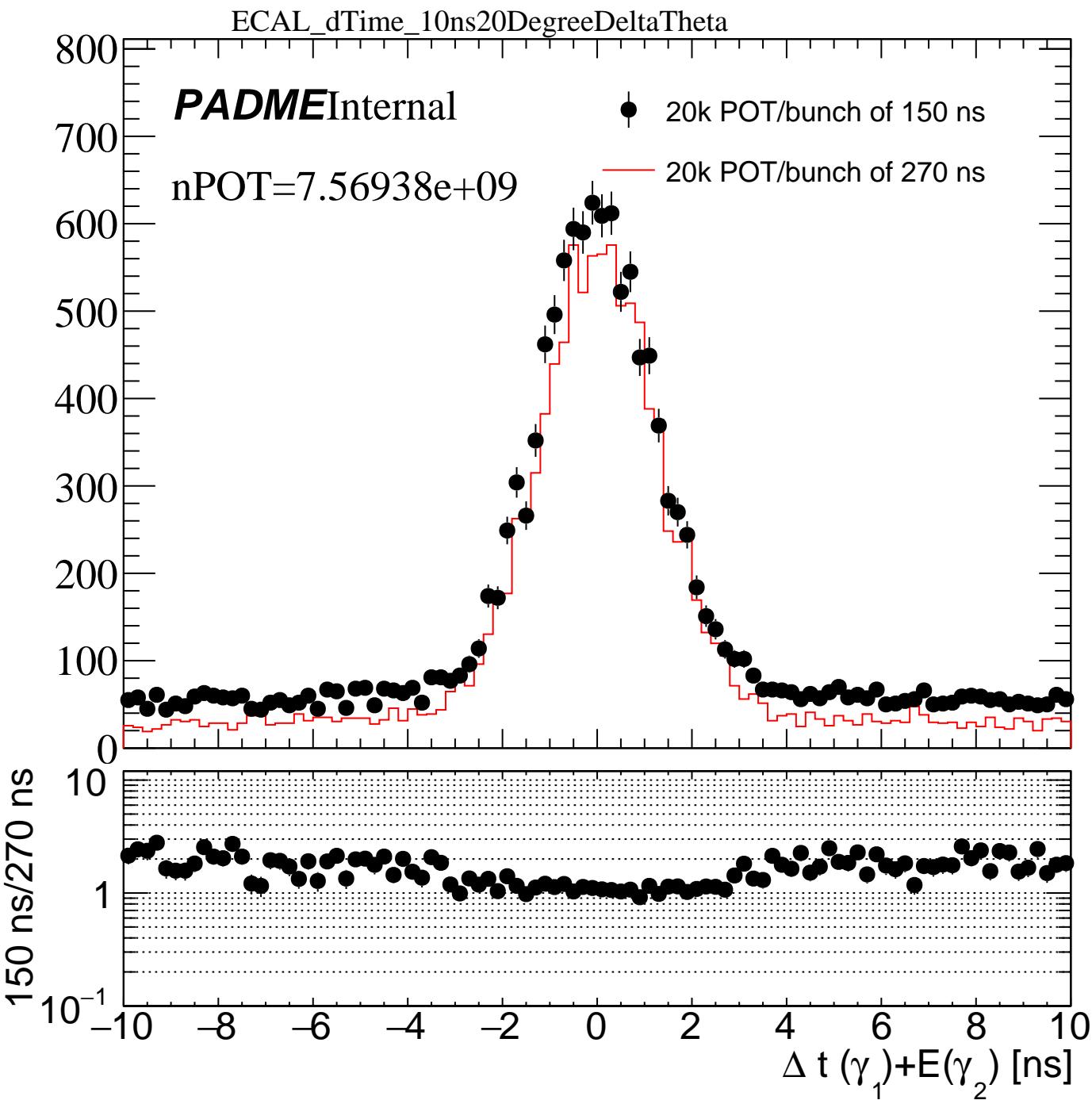
ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280



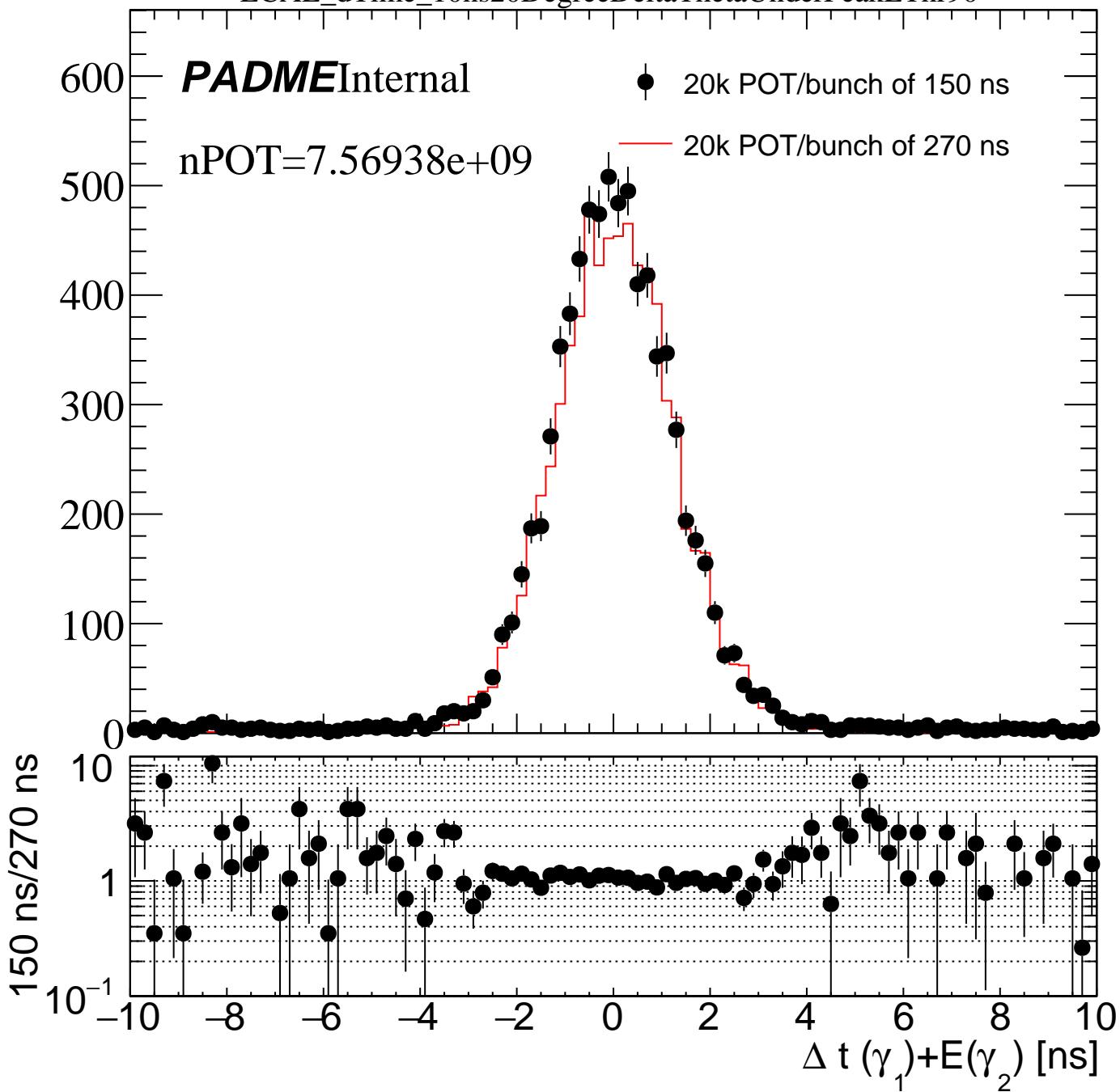


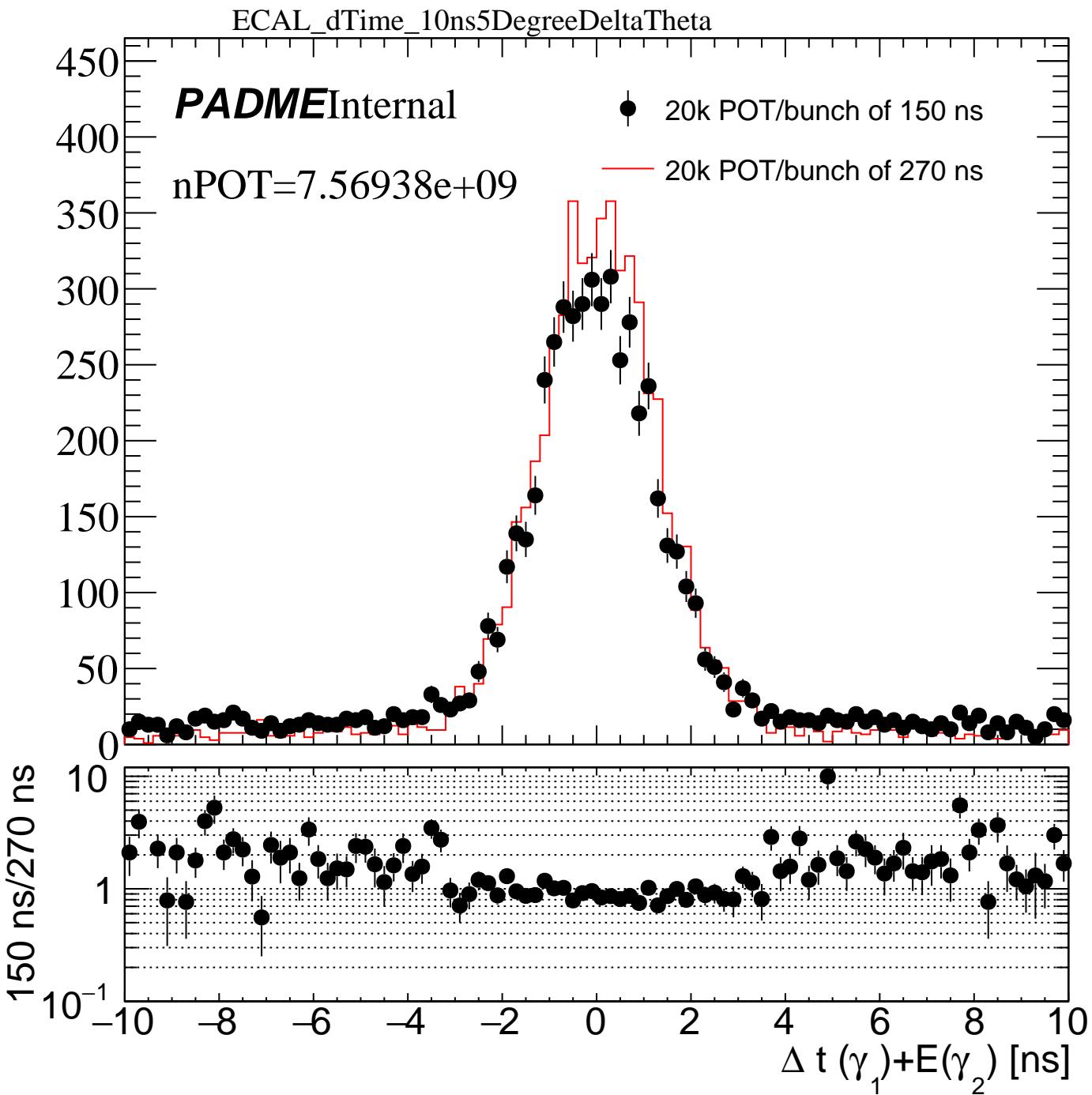
ECAL_dTime_10ns_UnderPeakETHr90



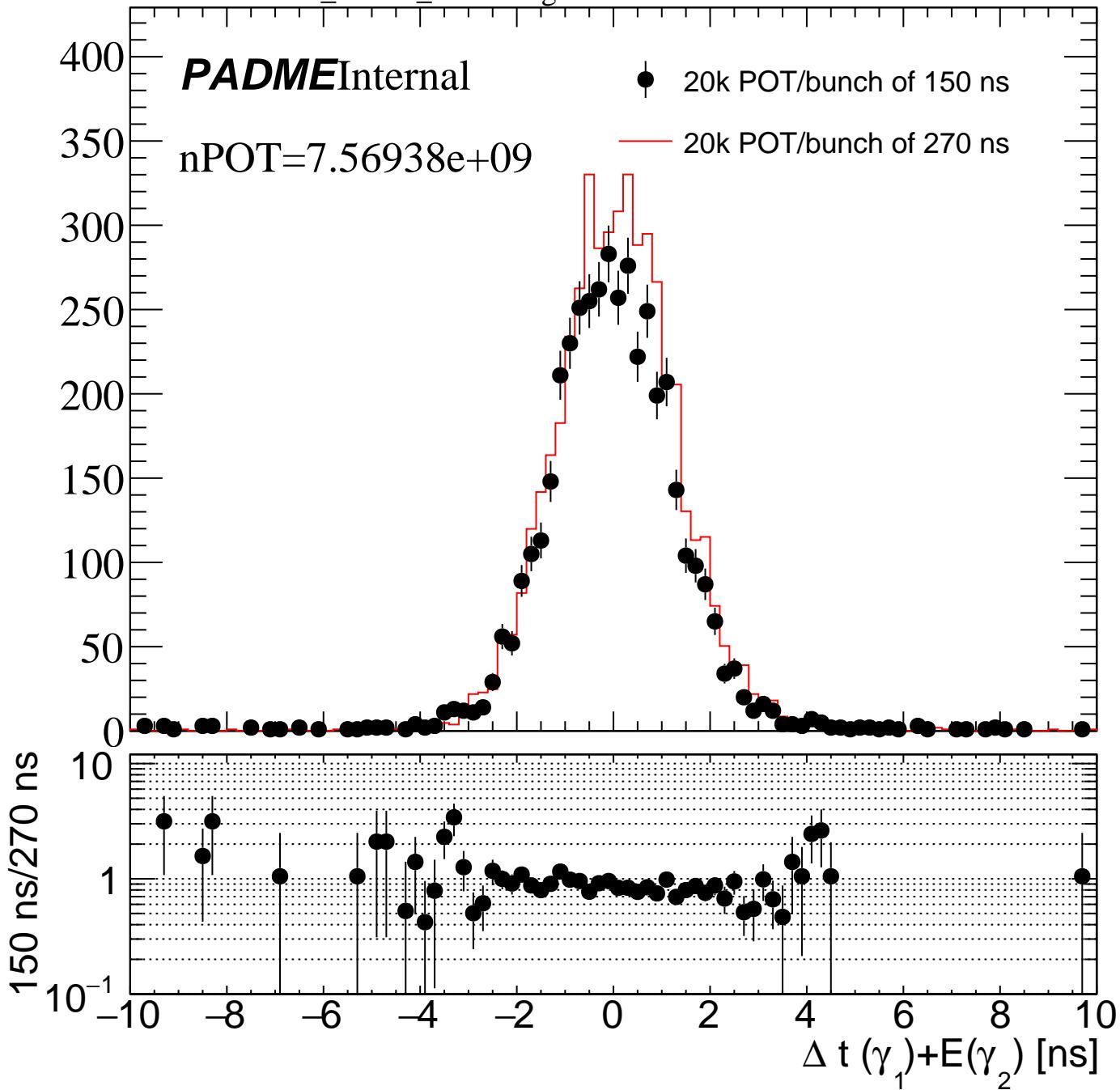


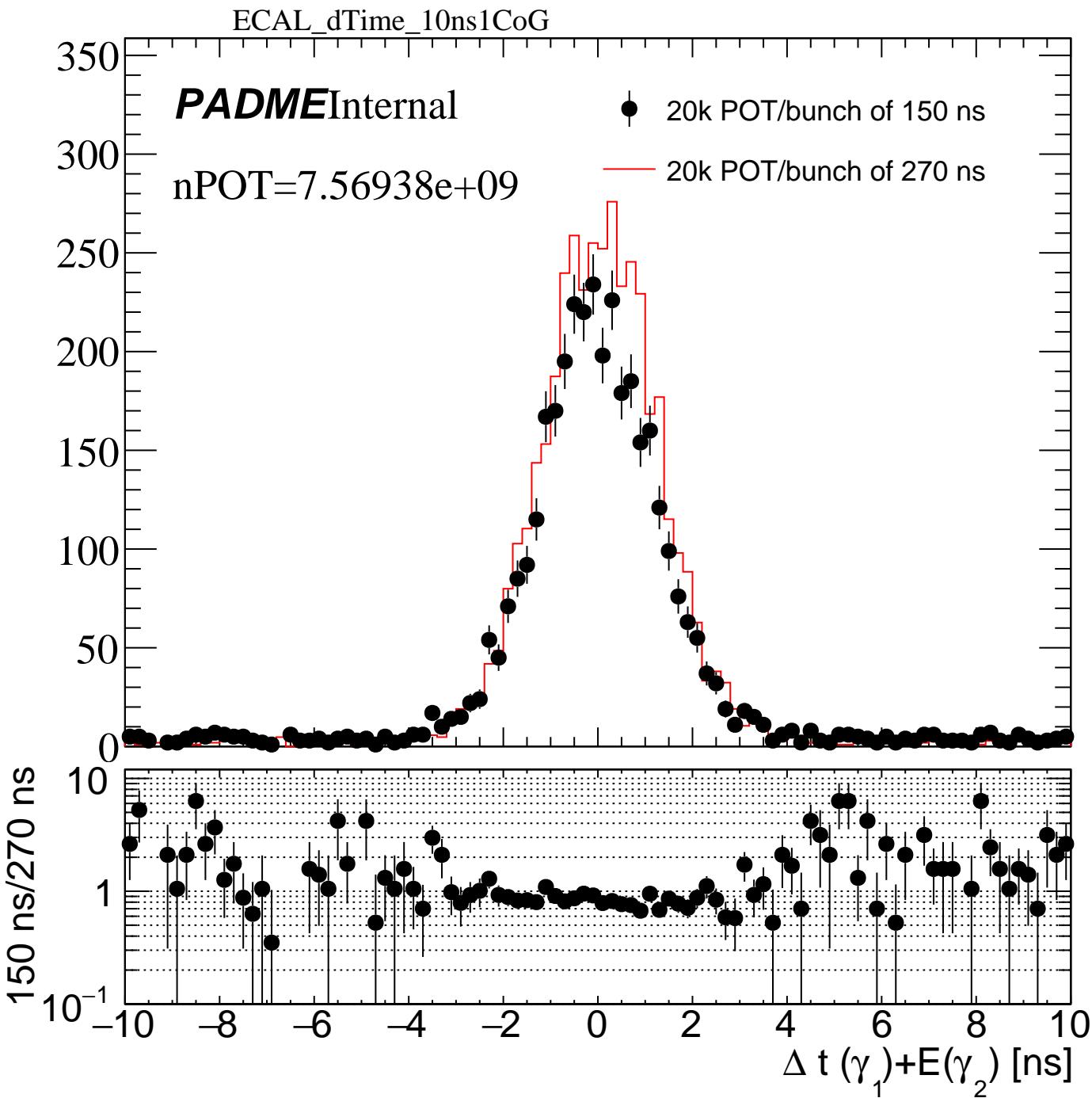
ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90



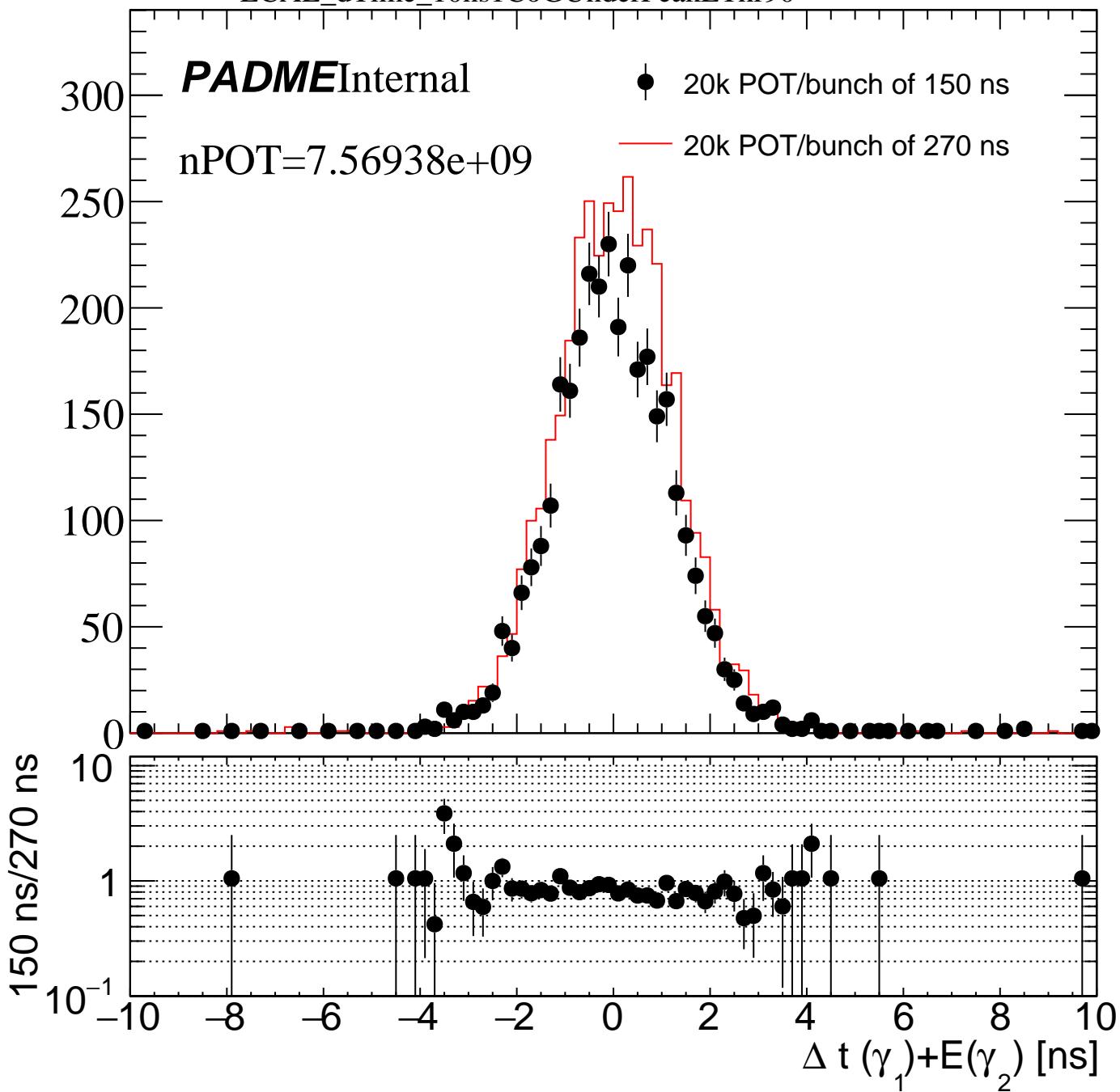


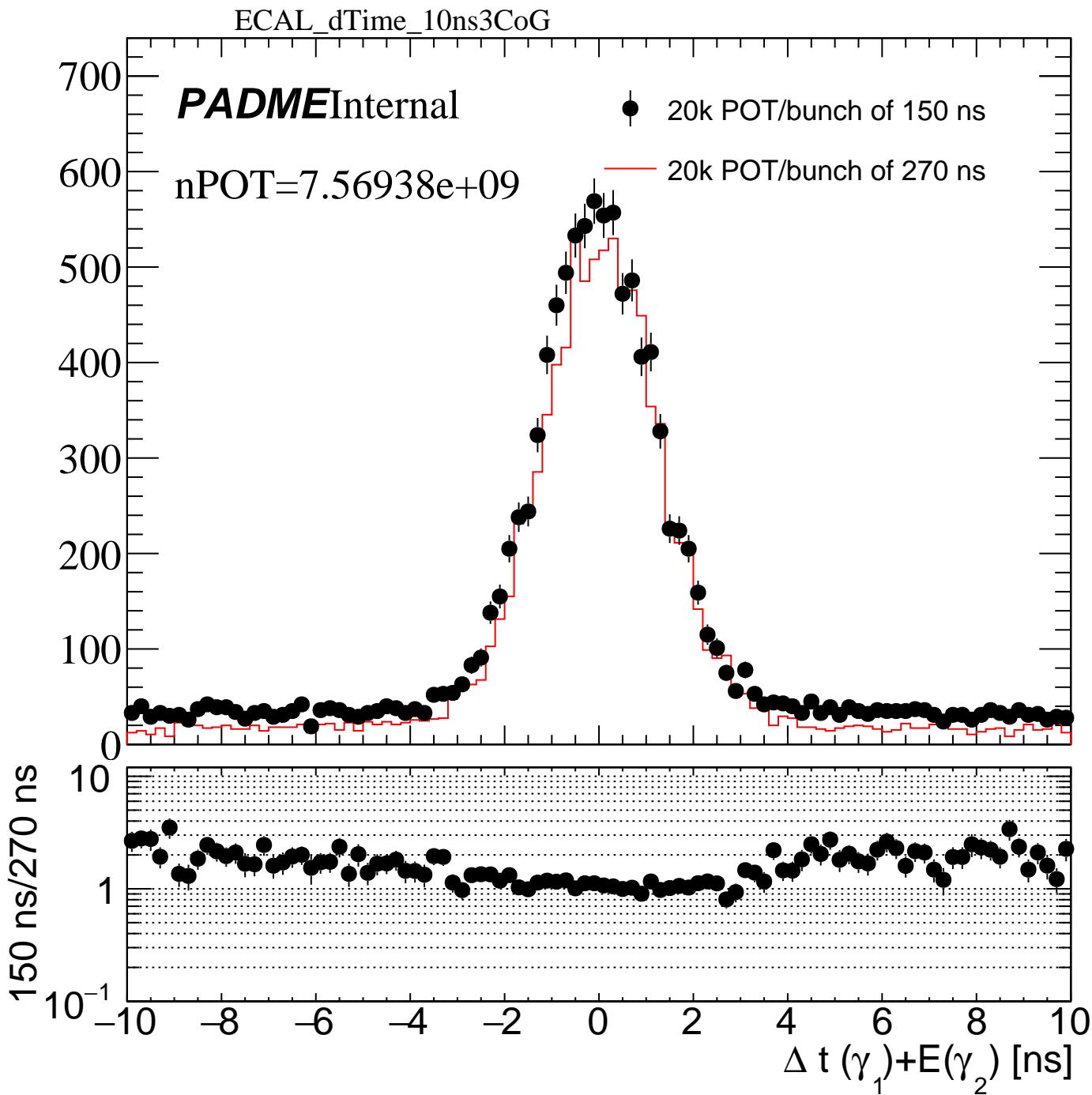
ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

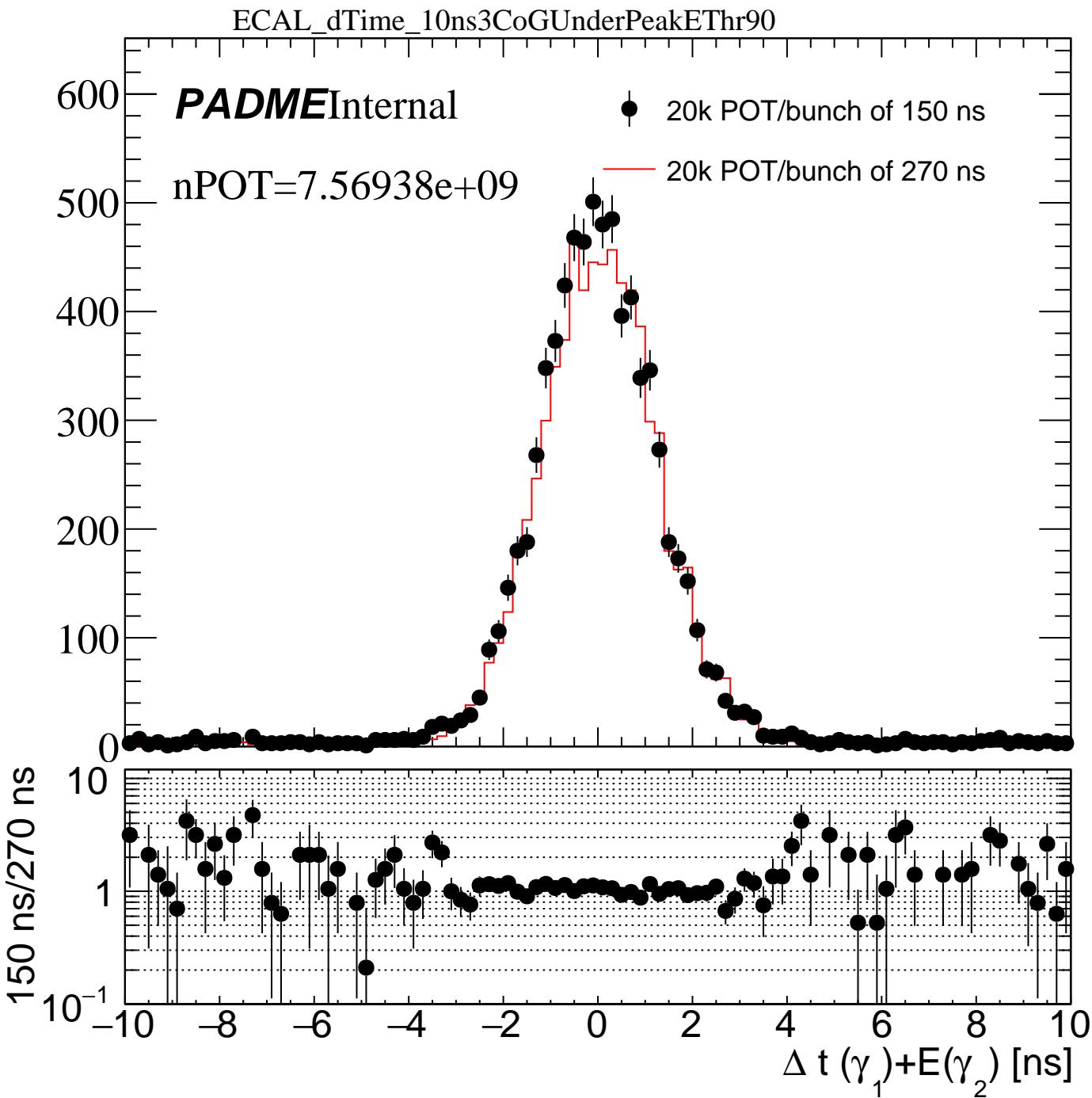


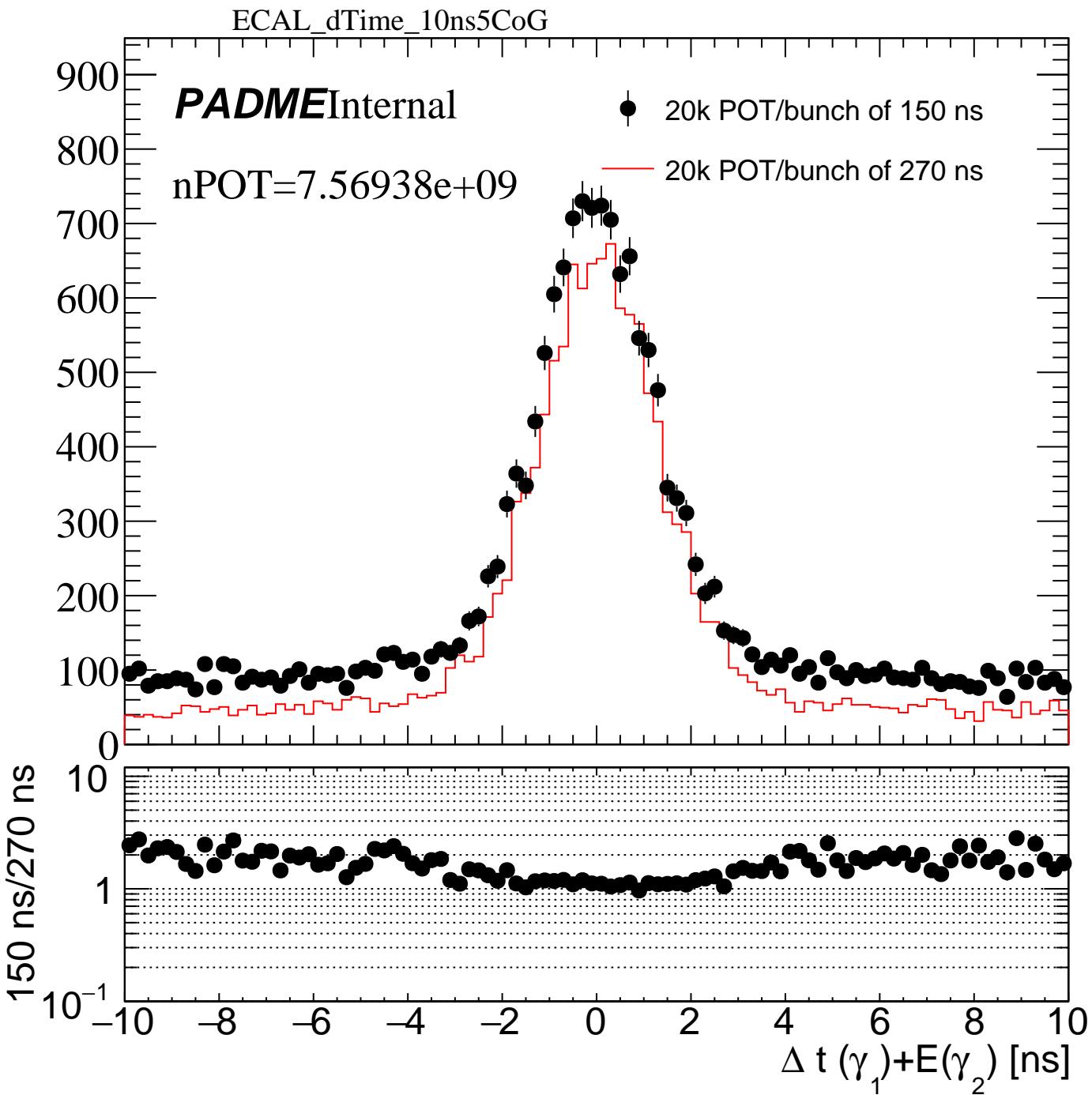


ECAL_dTime_10ns1CoGUnderPeakEThr90

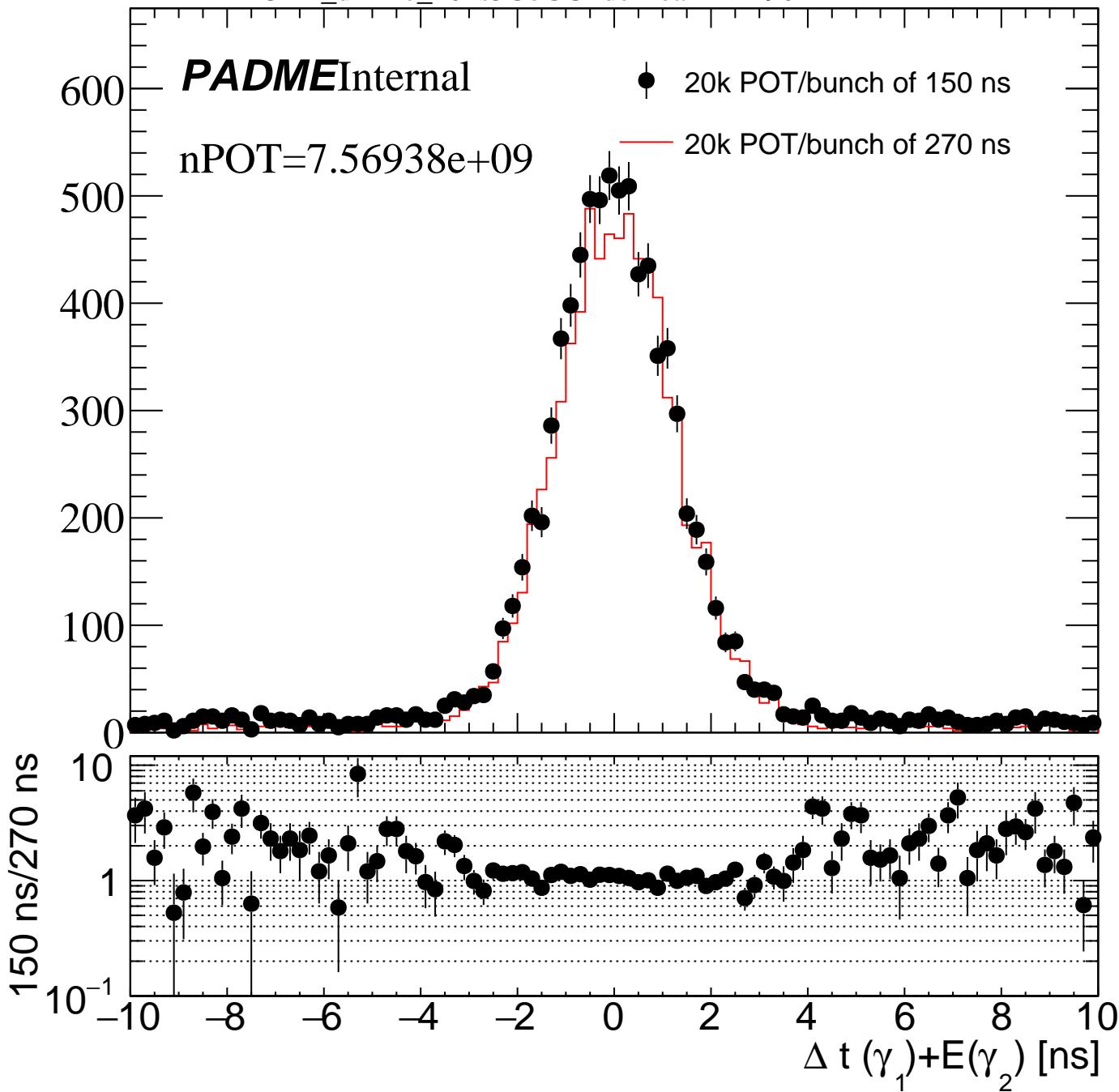




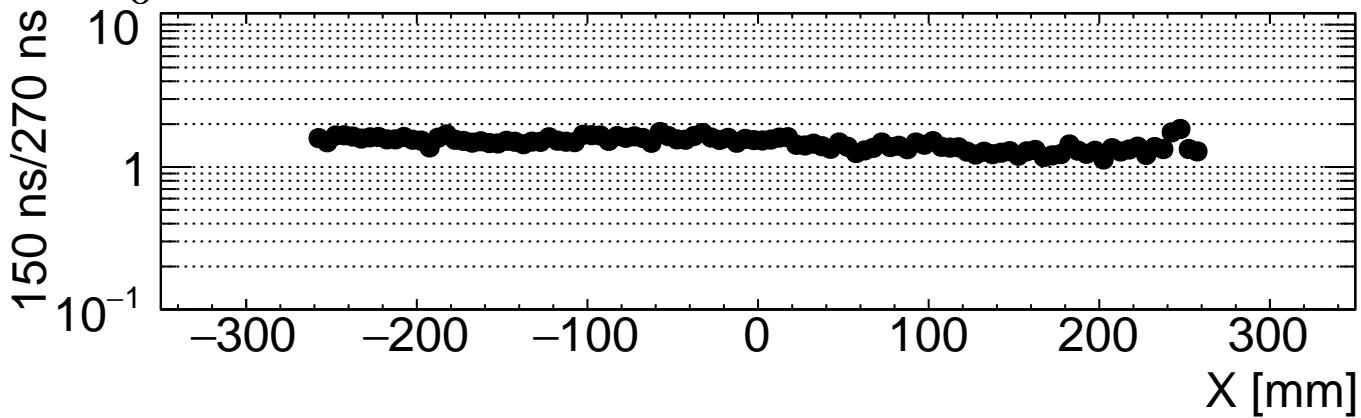
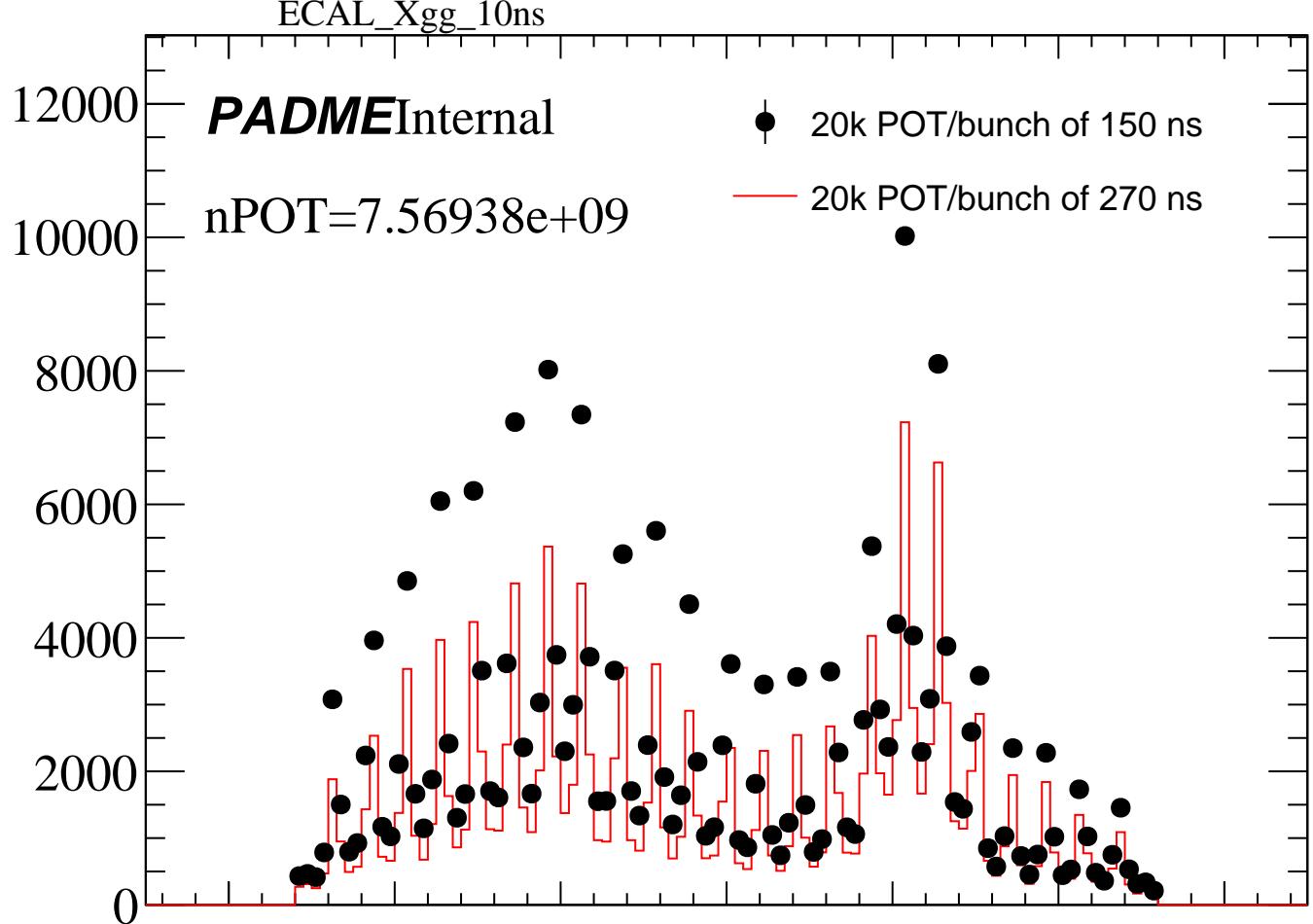


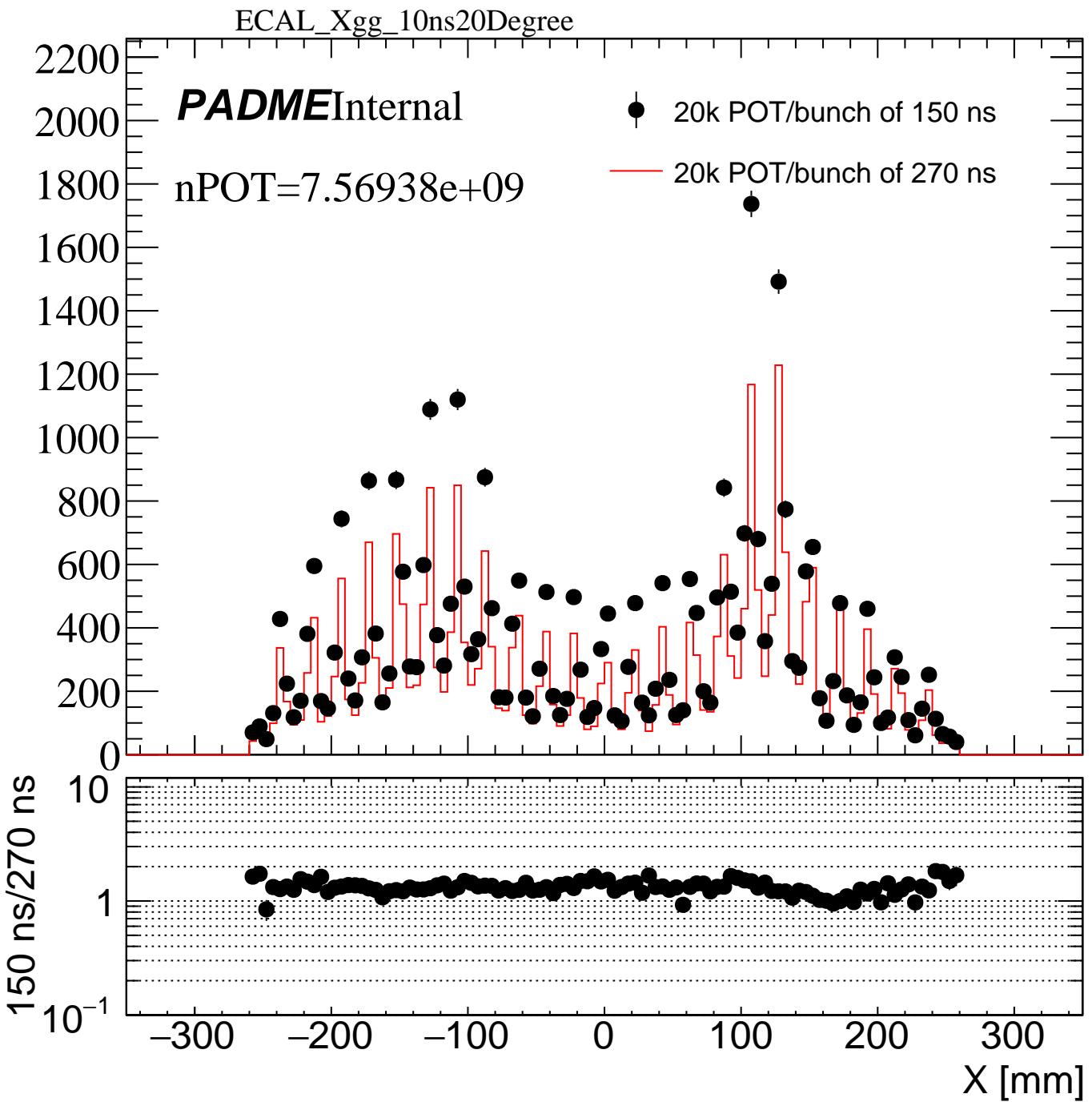


ECAL_dTime_10ns5CoGUnderPeakEThr90

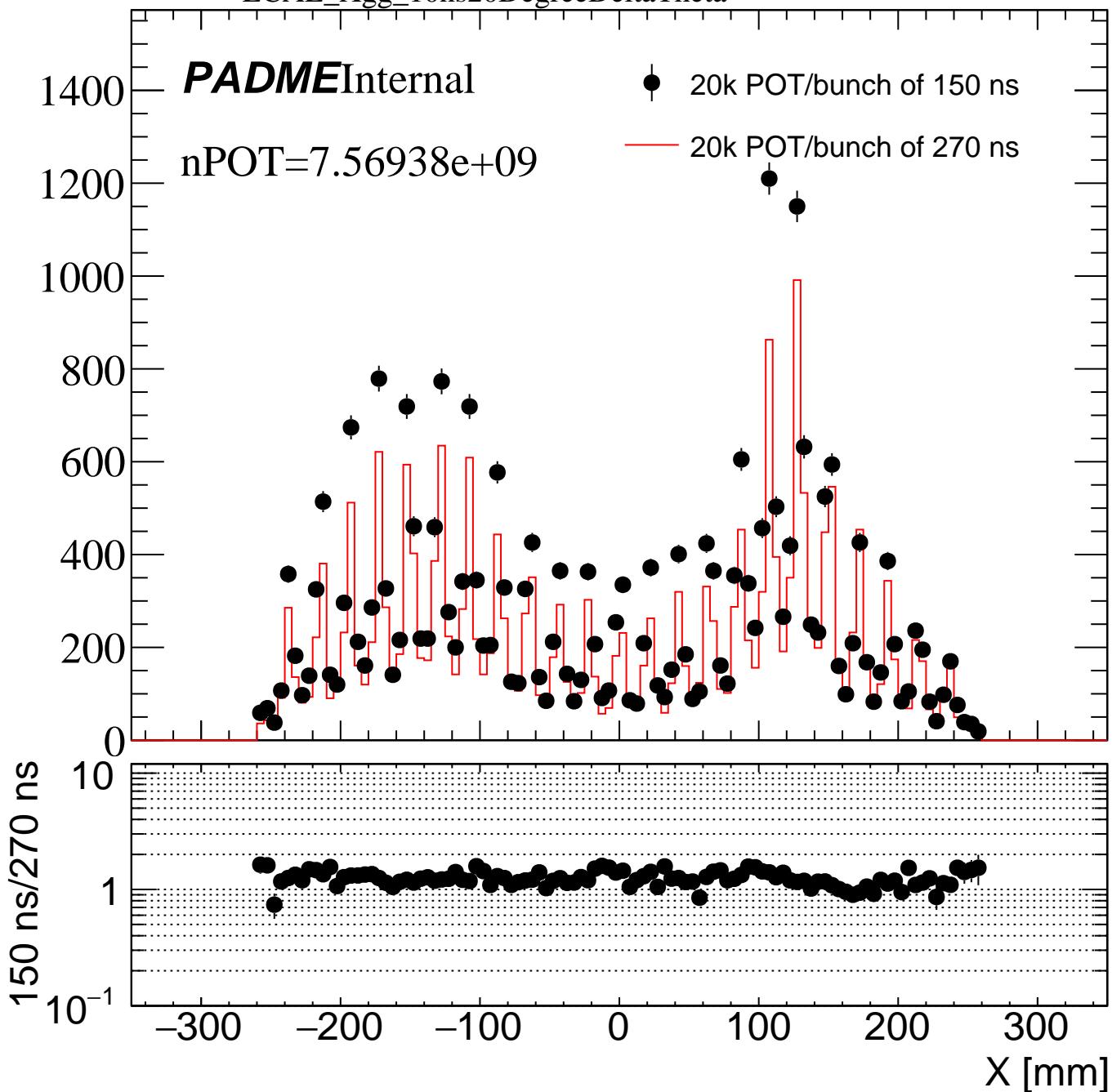


ECAL_Xgg_10ns

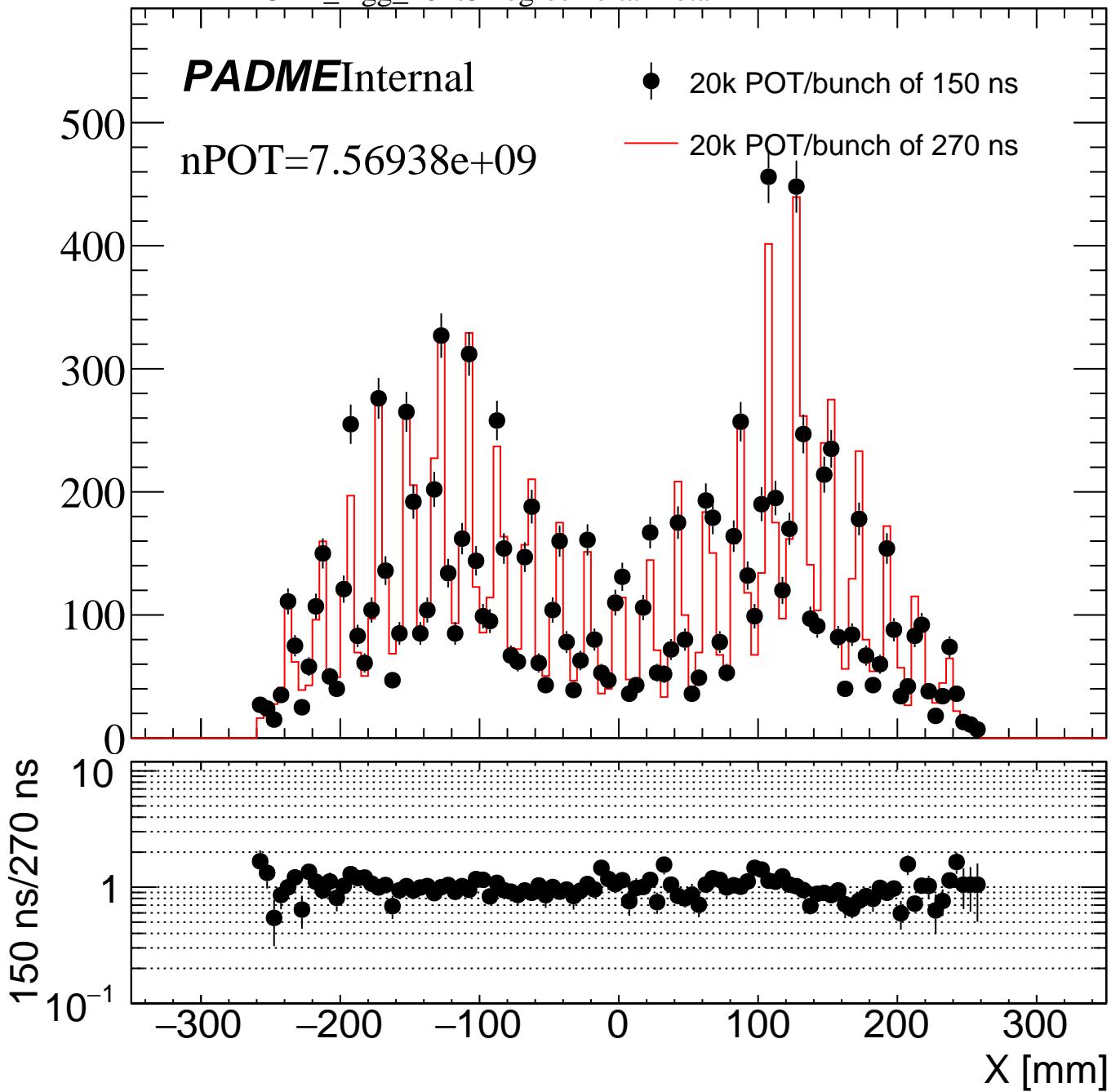




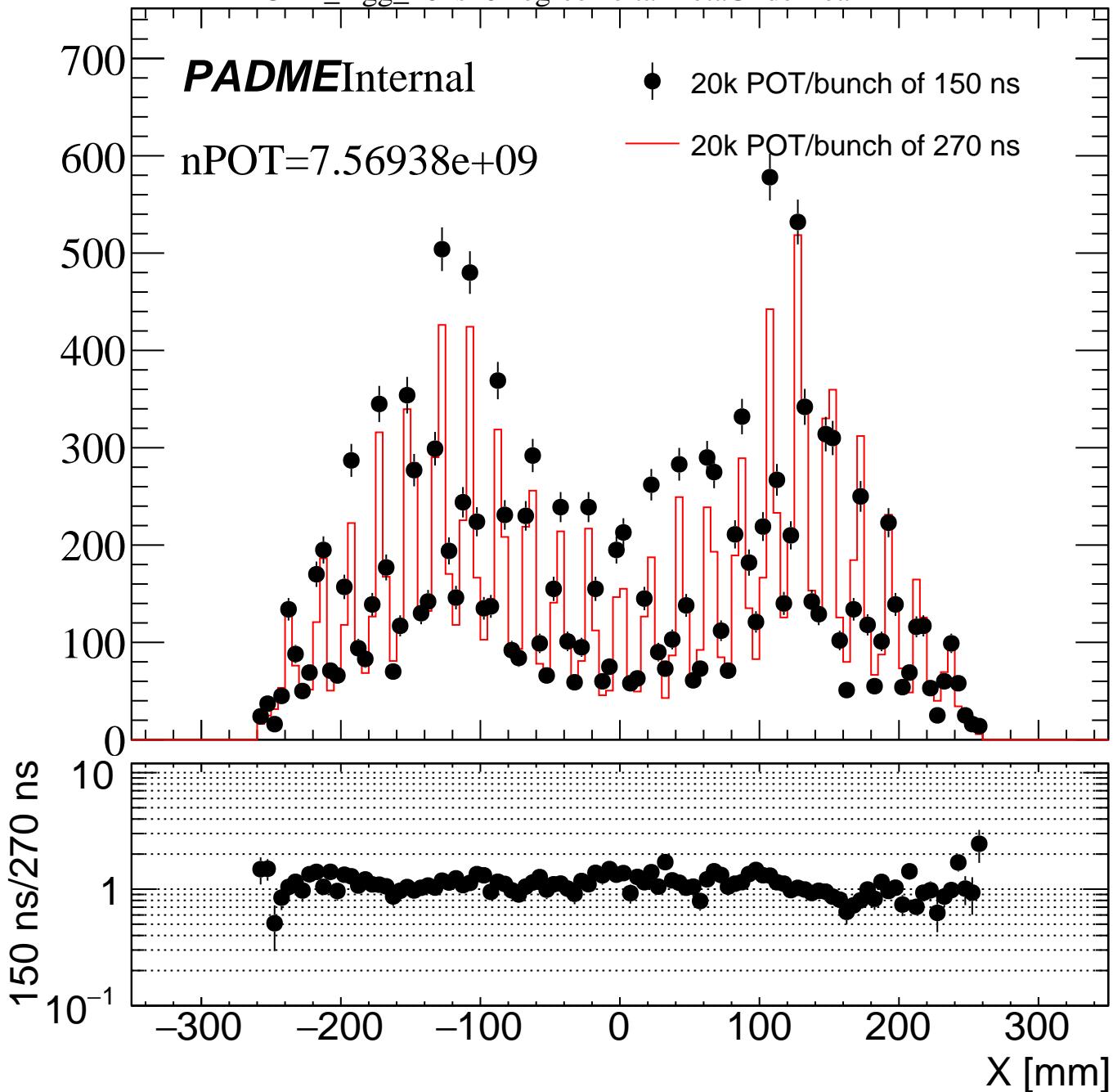
ECAL_Xgg_10ns20DegreeDeltaTheta



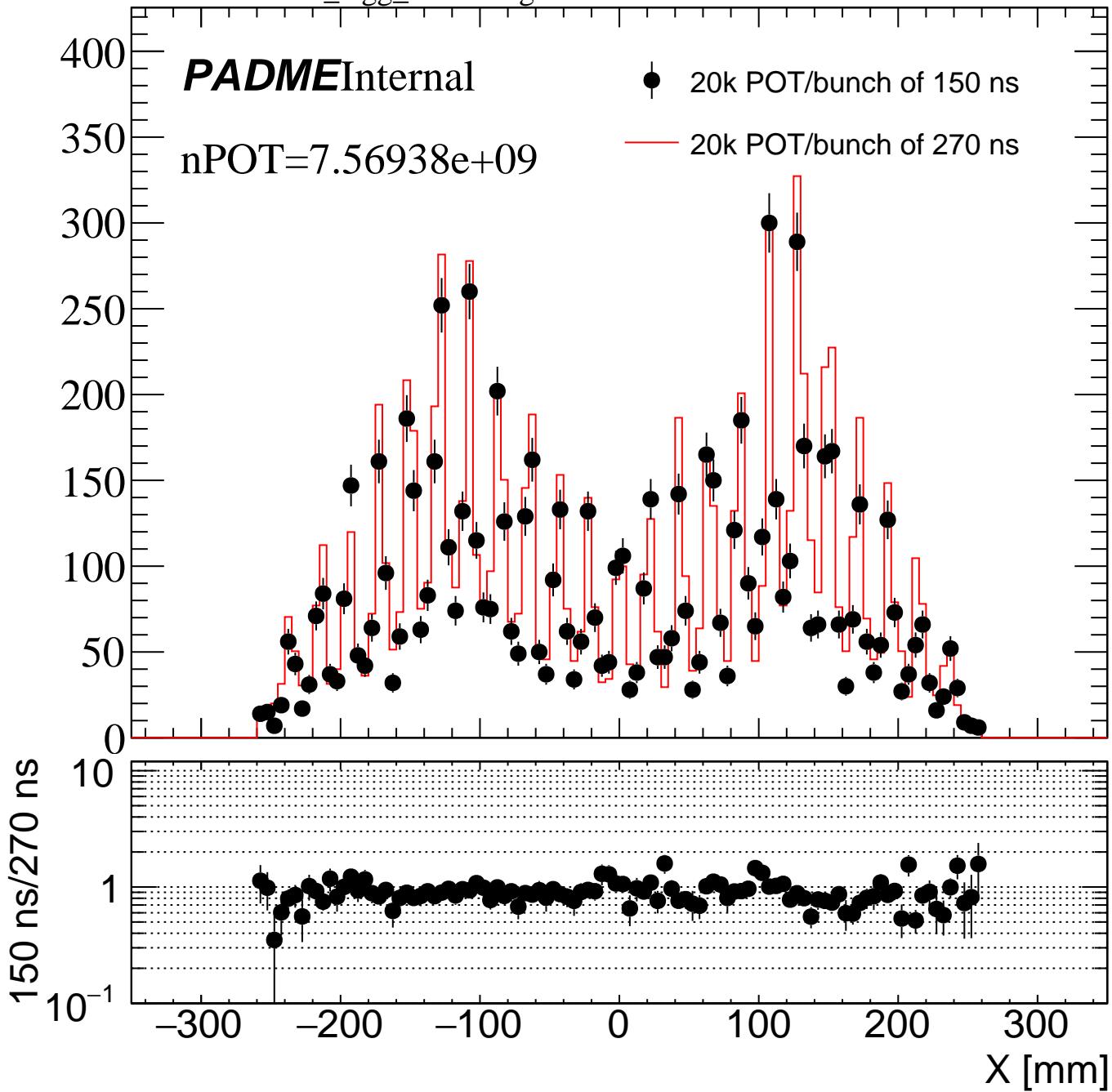
ECAL_Xgg_10ns5DegreeDeltaTheta



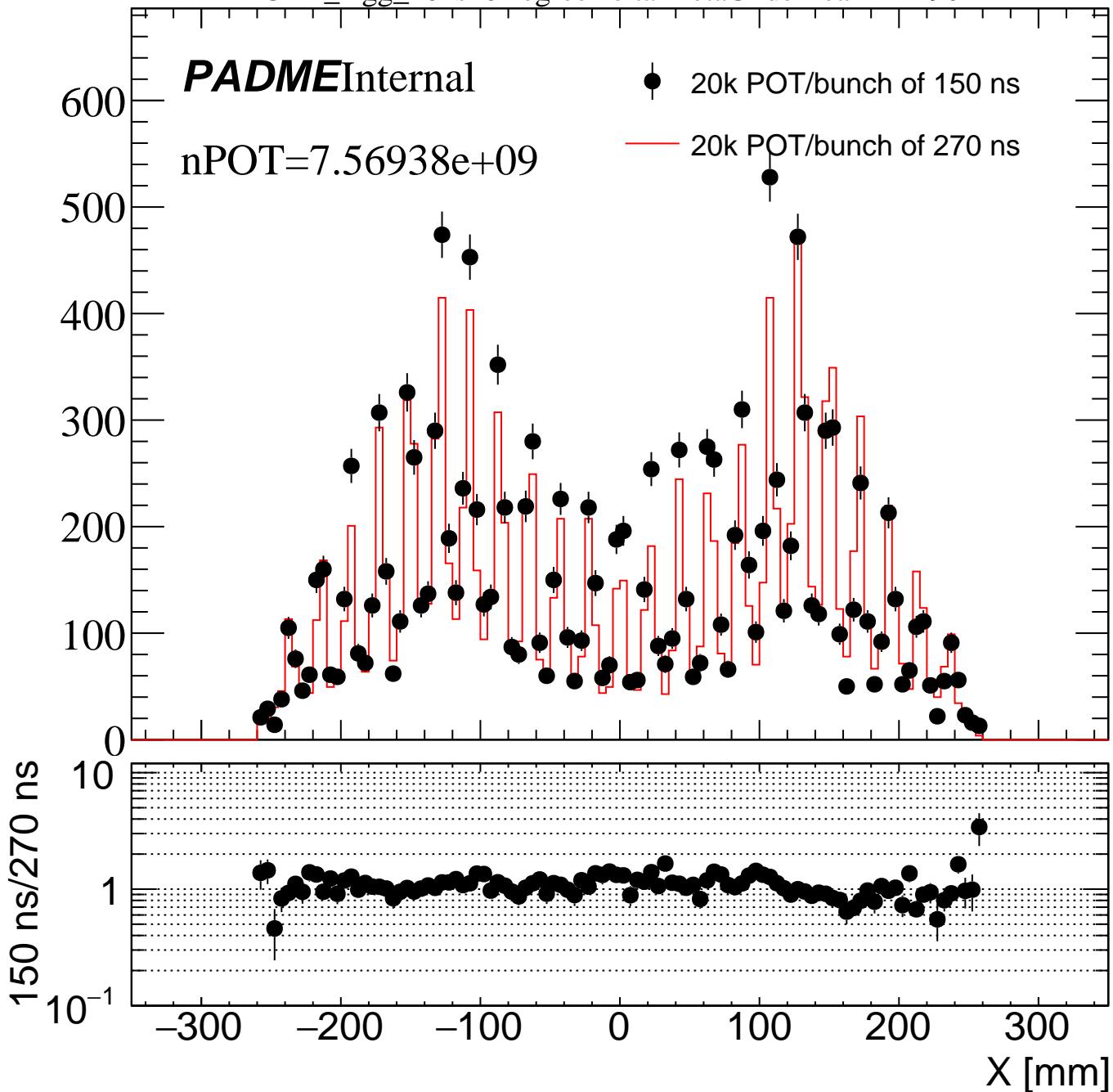
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



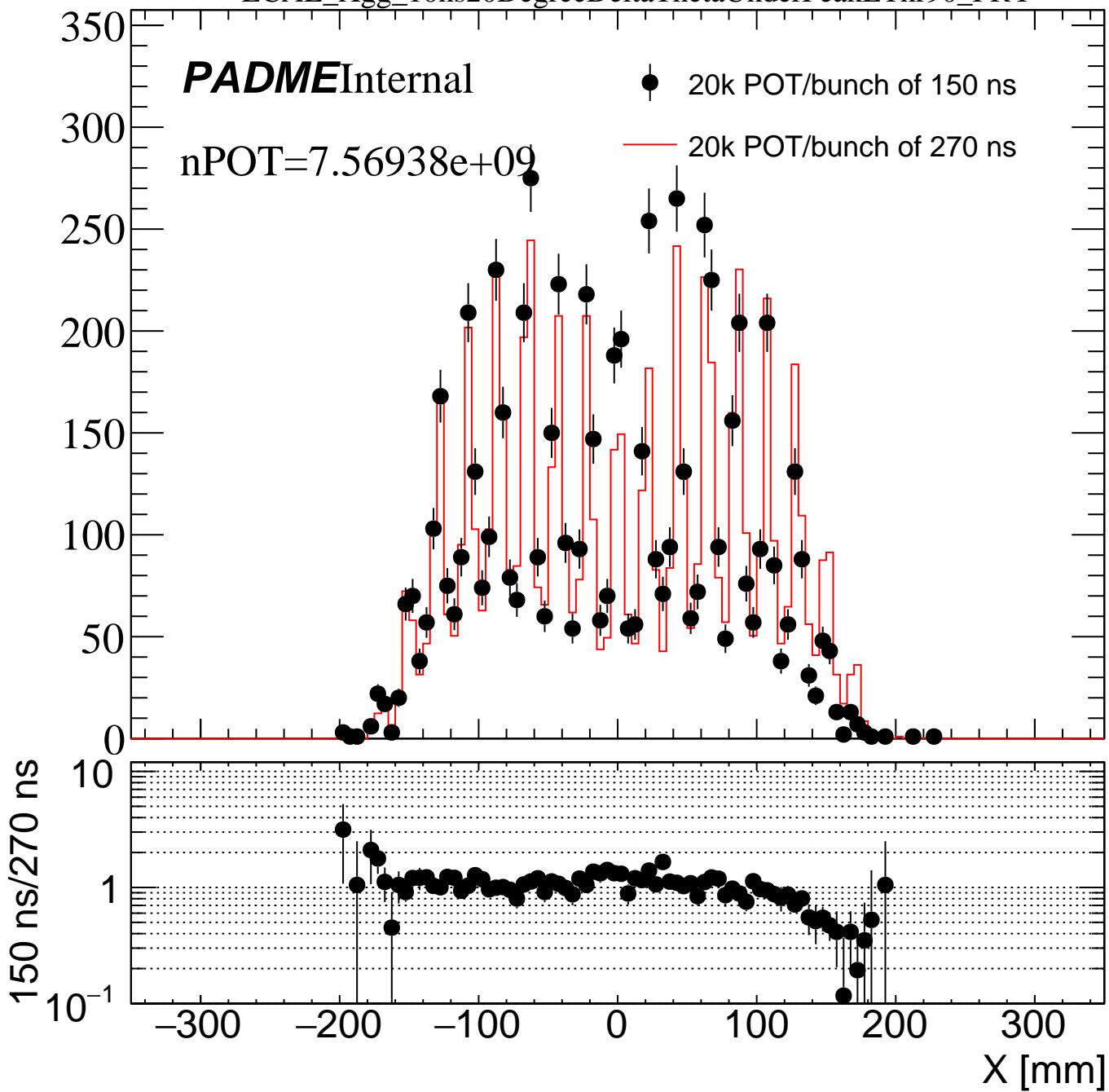
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak



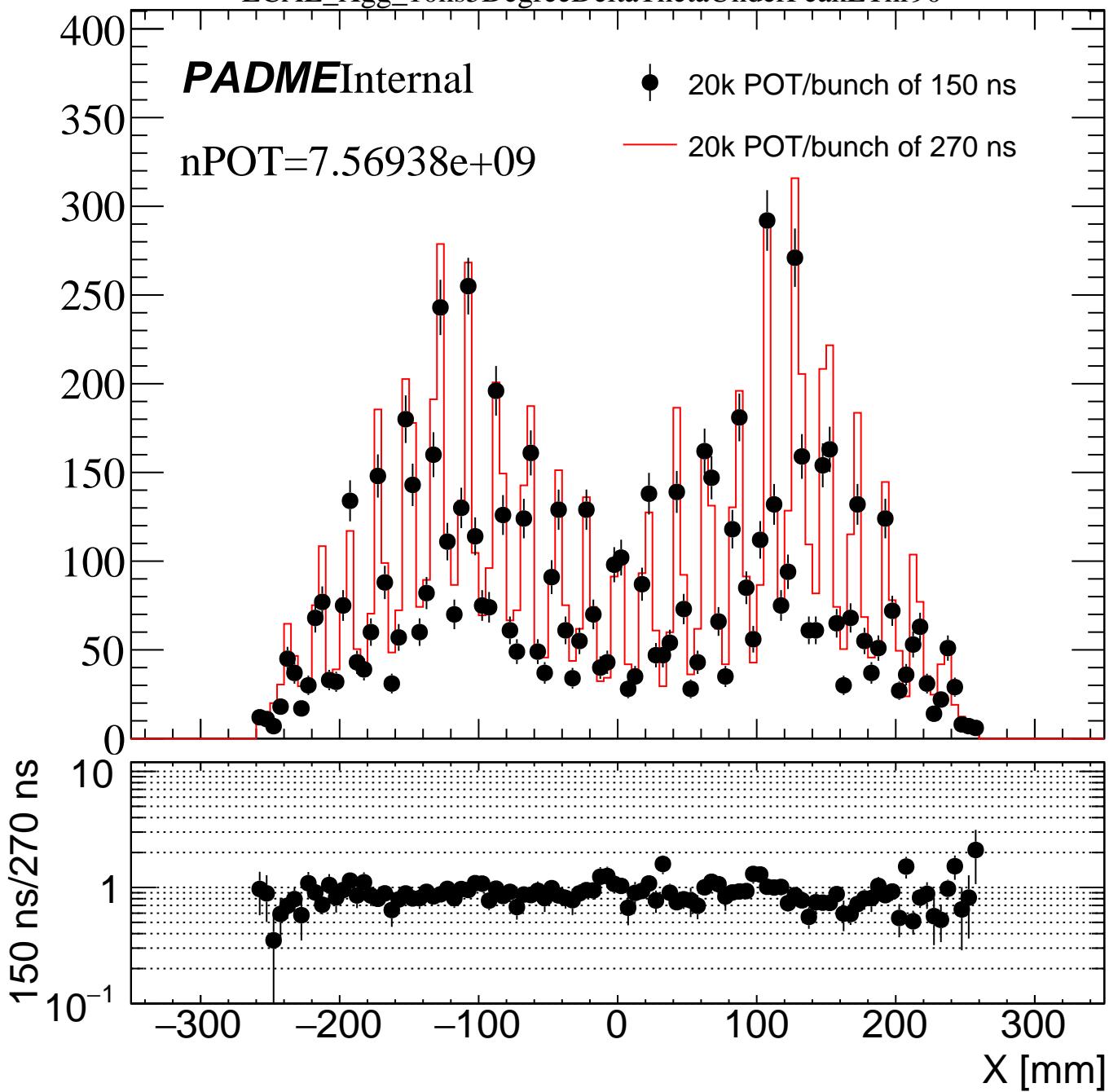
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90



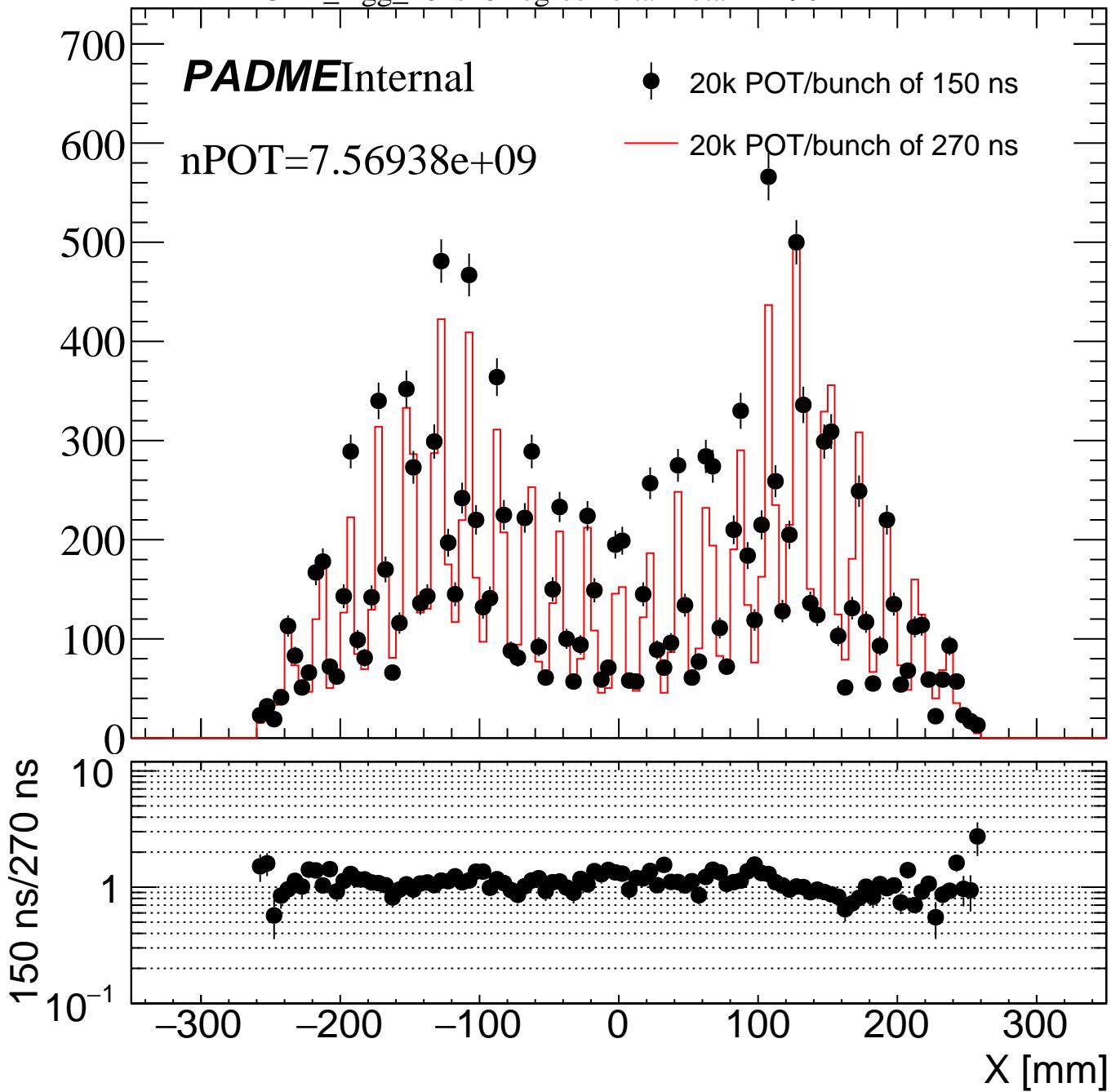
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



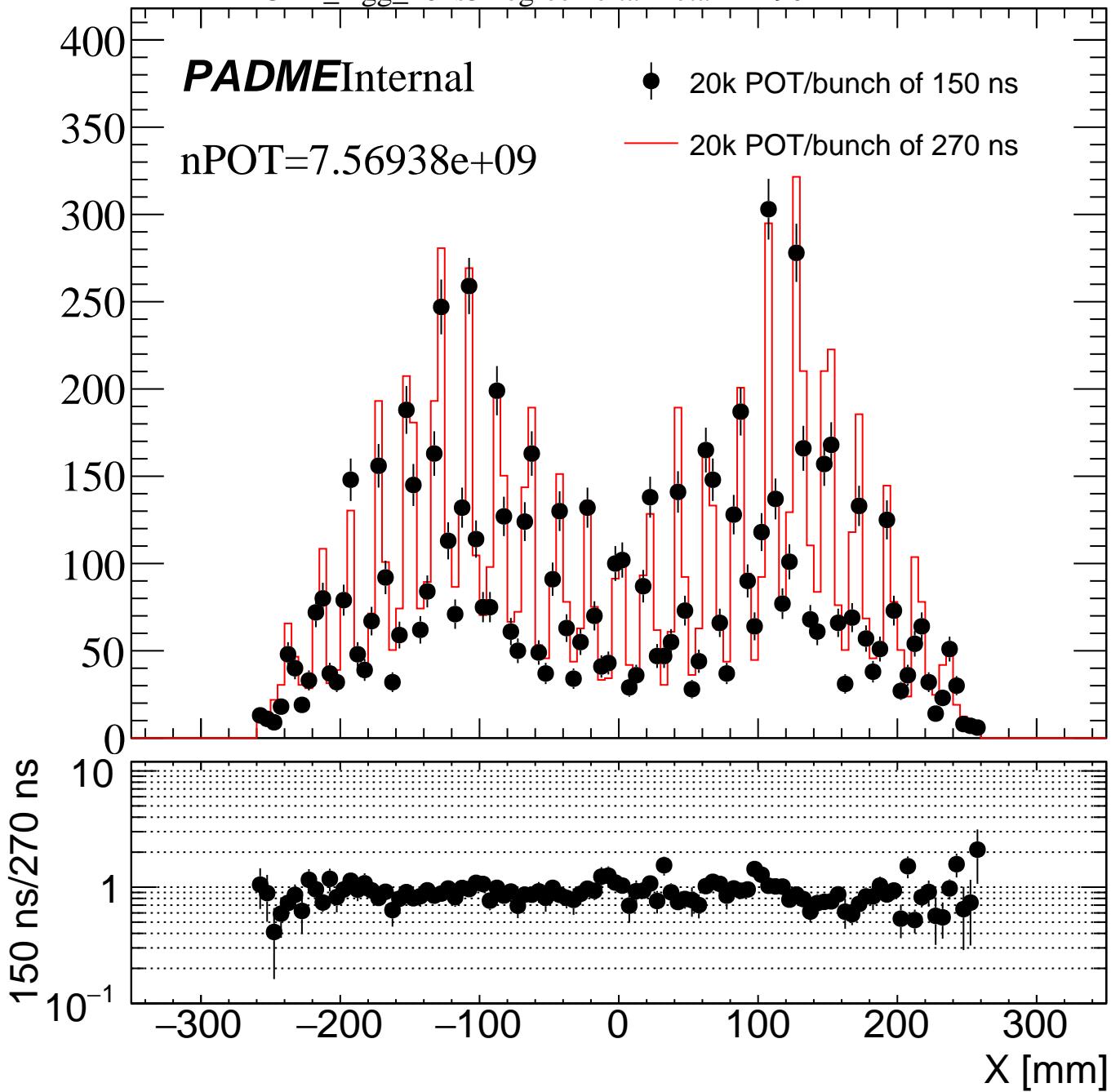
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90



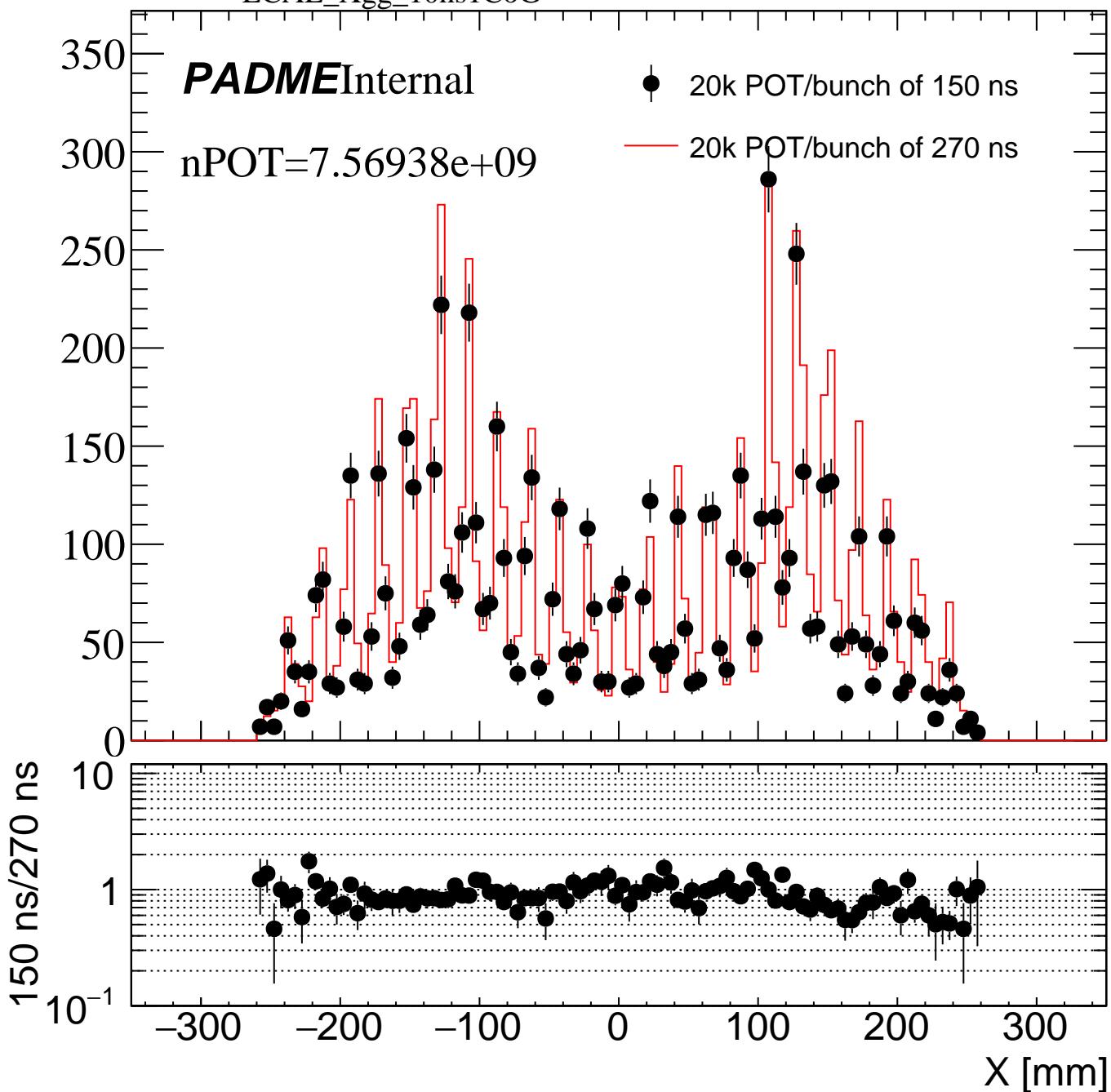
ECAL_Xgg_10ns20DegreeDeltaThetaEThr90



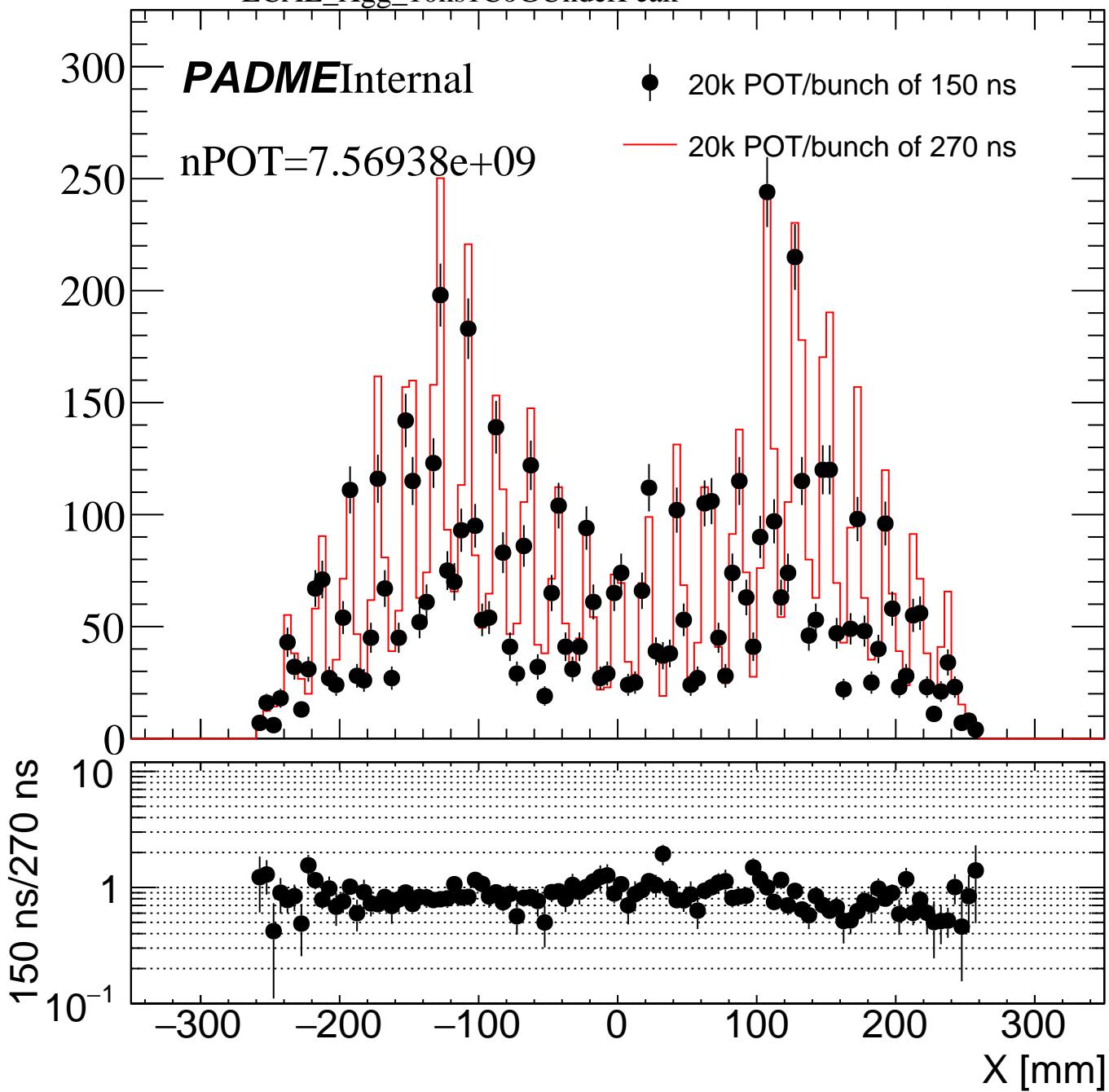
ECAL_Xgg_10ns5DegreeDeltaThetaEThr90



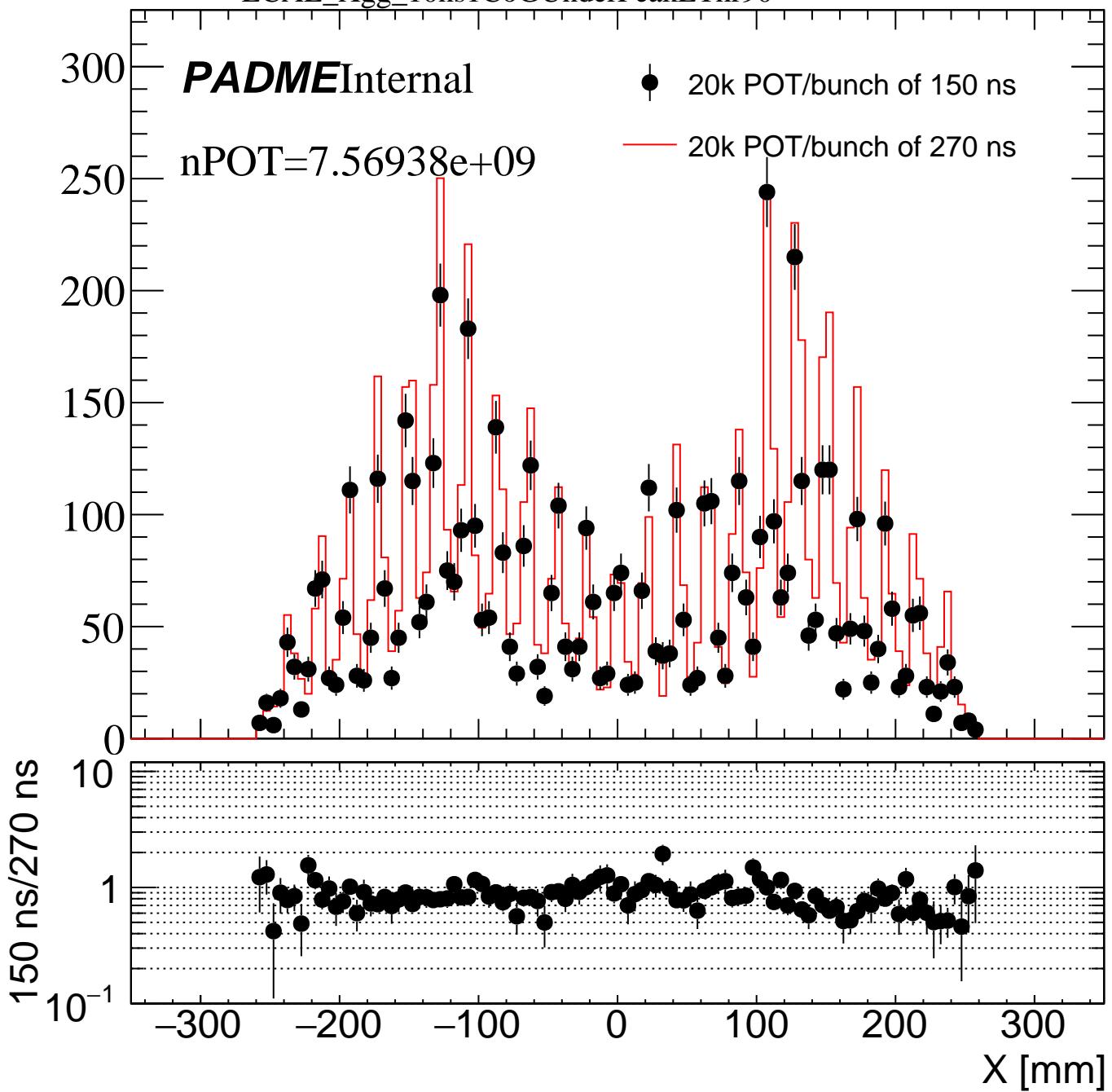
ECAL_Xgg_10ns1CoG



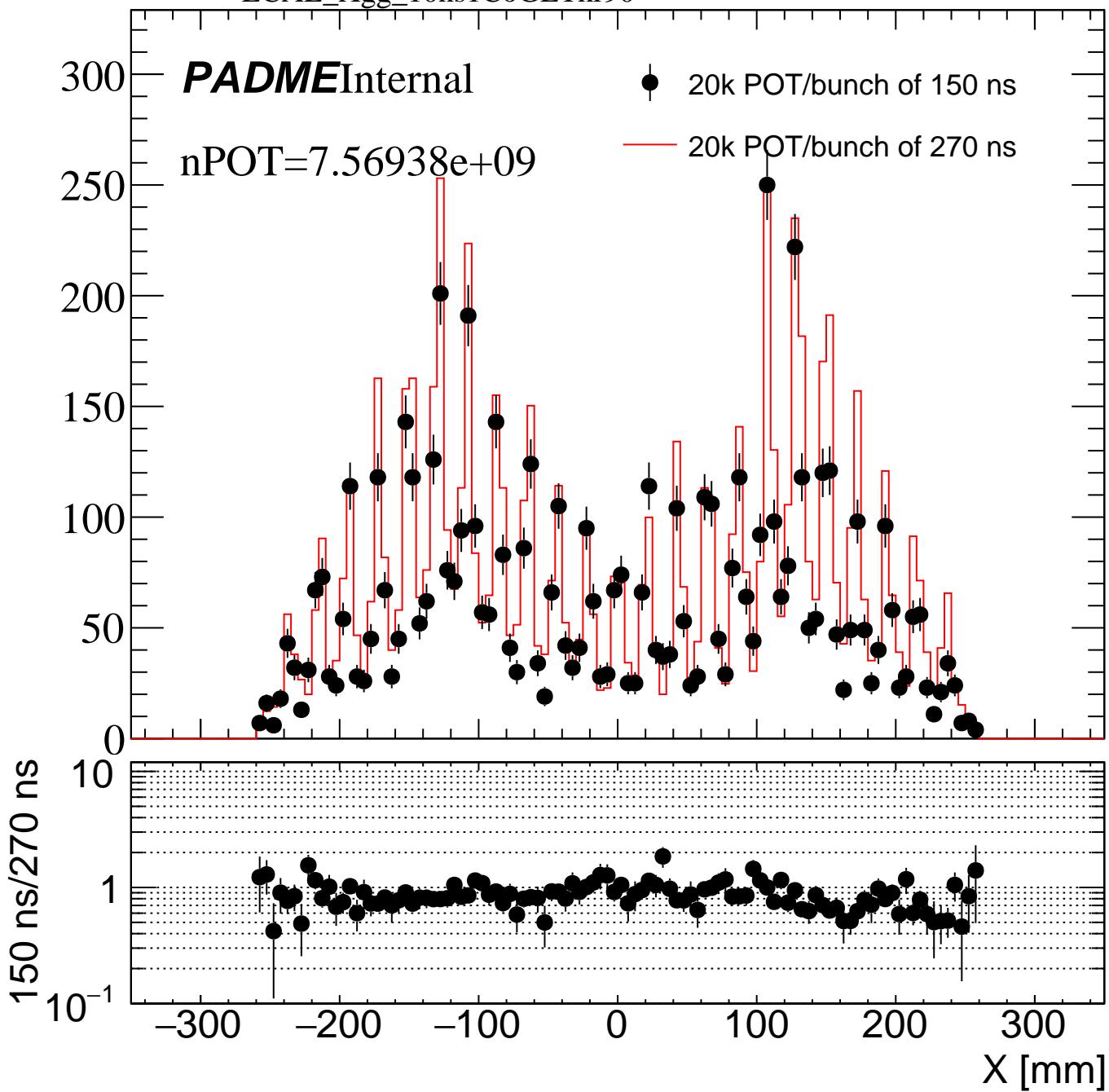
ECAL_Xgg_10ns1CoGUnderPeak



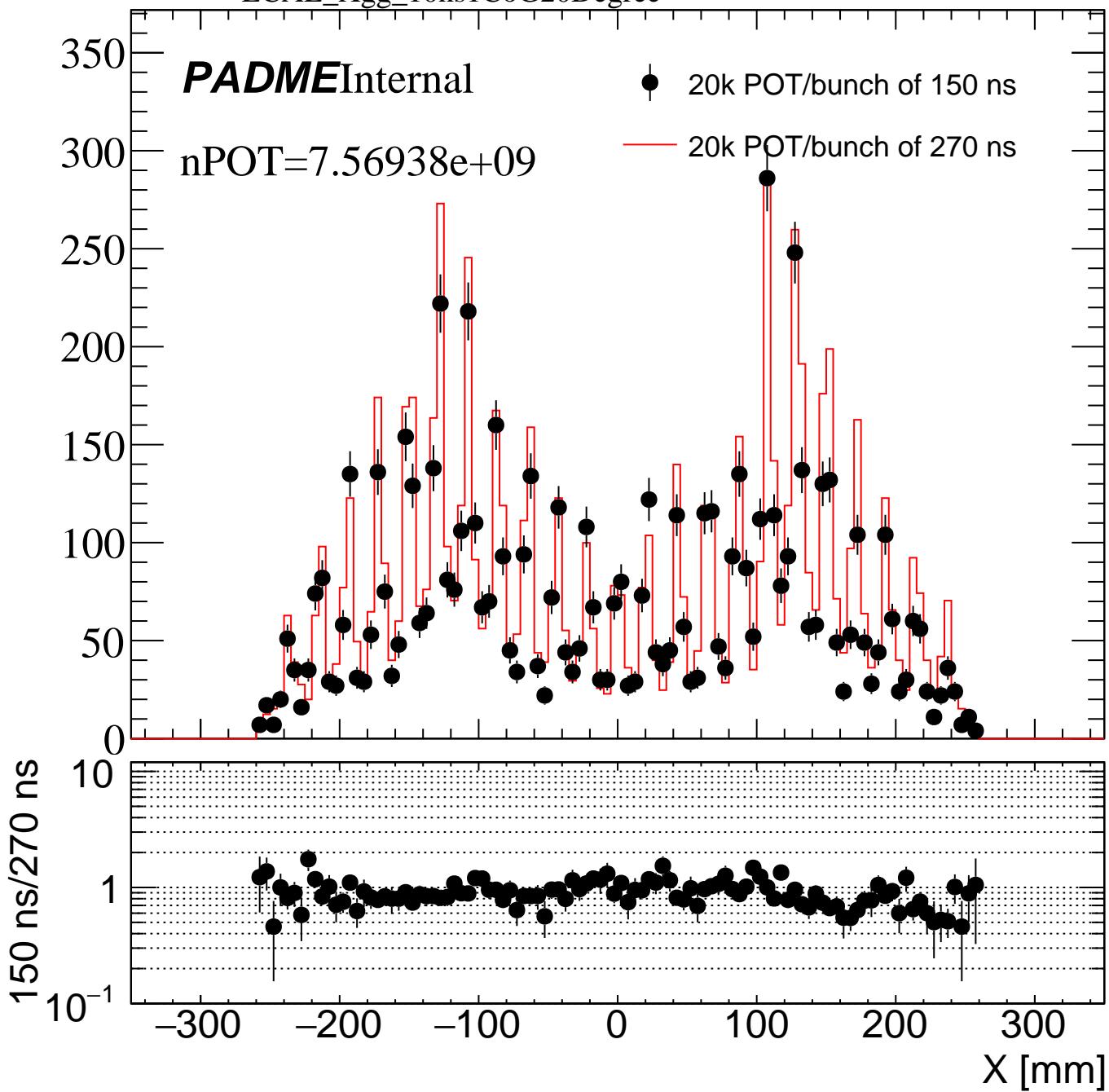
ECAL_Xgg_10ns1CoGUnderPeakEThr90



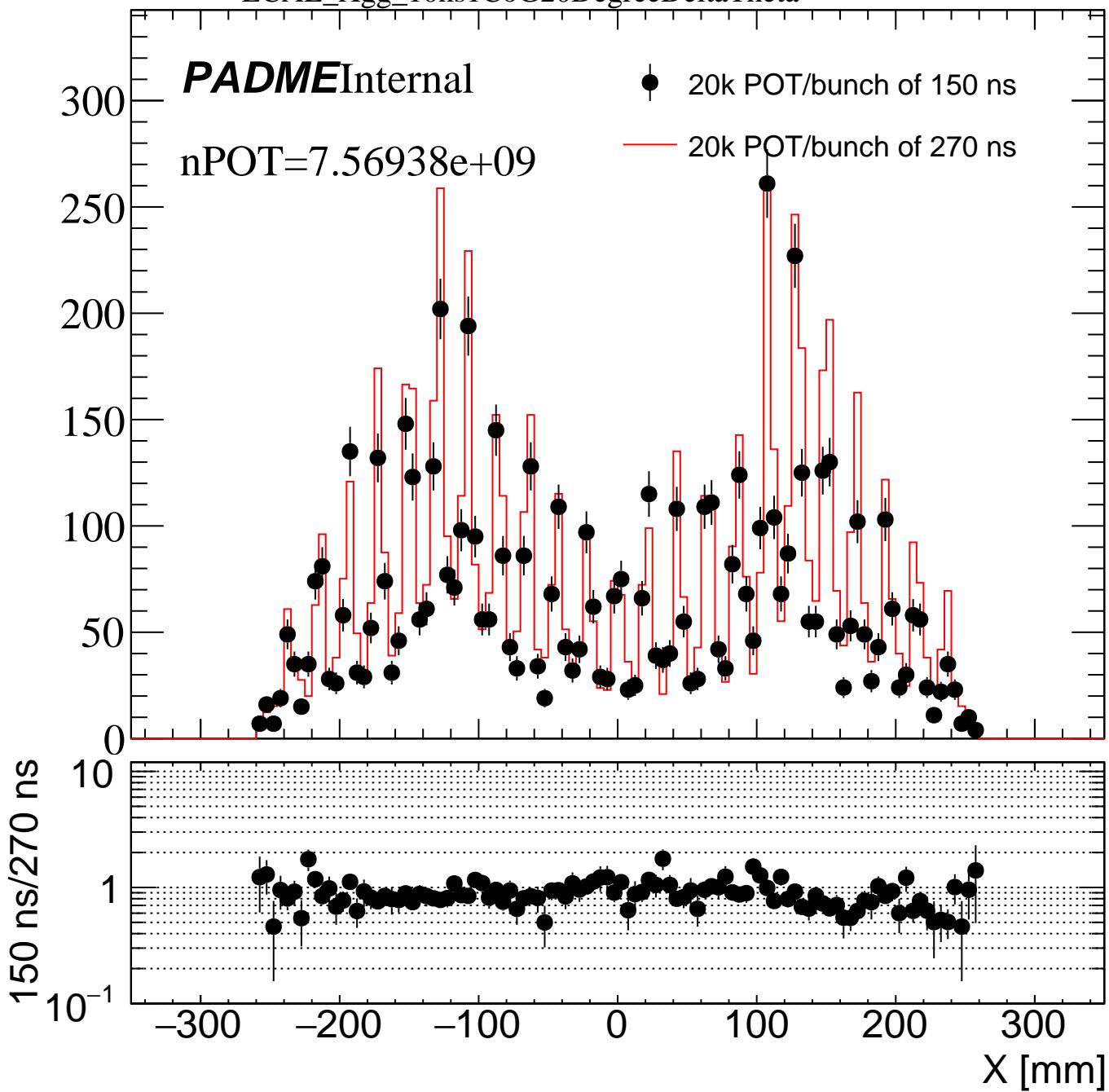
ECAL_Xgg_10ns1CoGEThr90



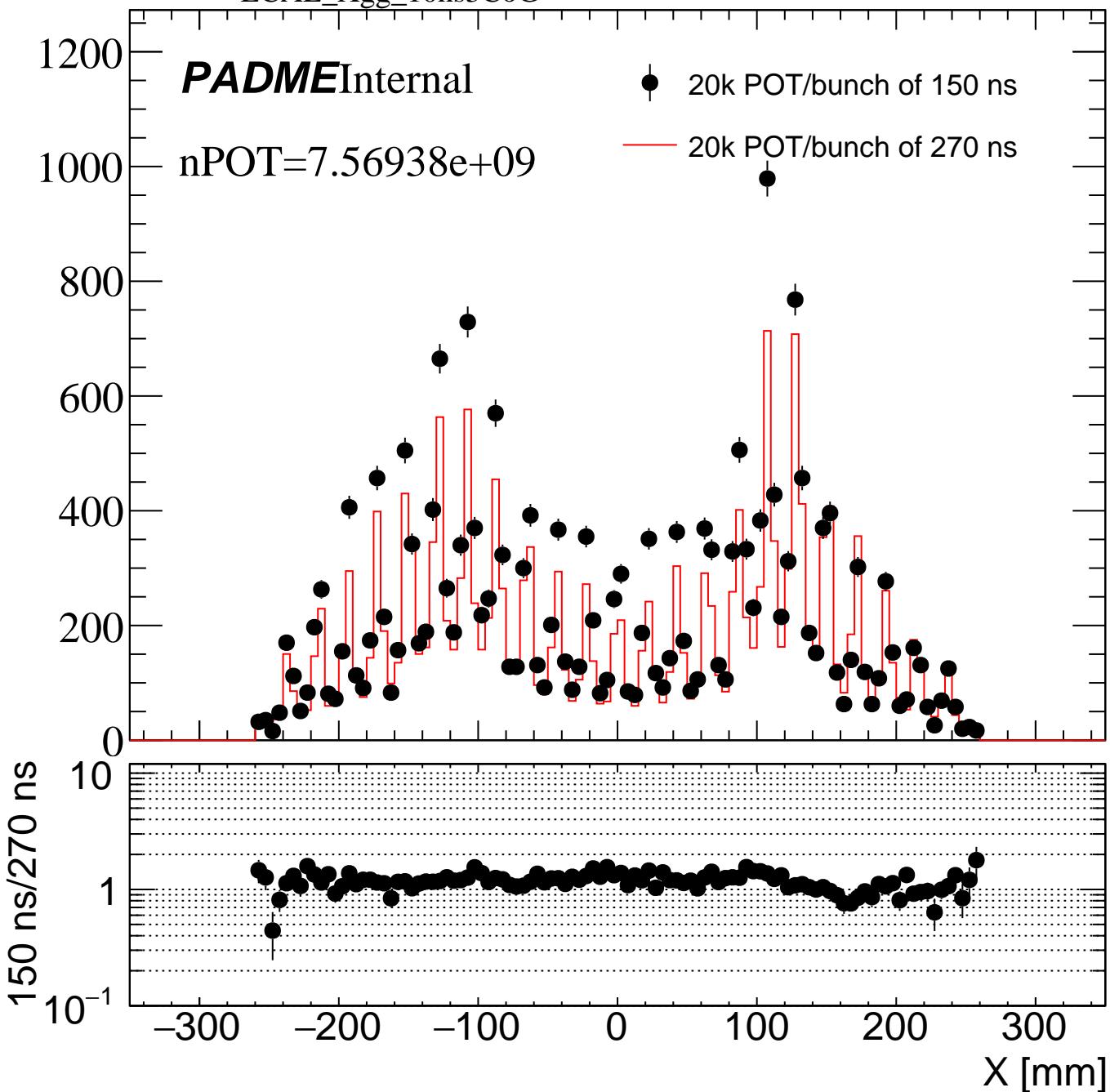
ECAL_Xgg_10ns1CoG20Degree



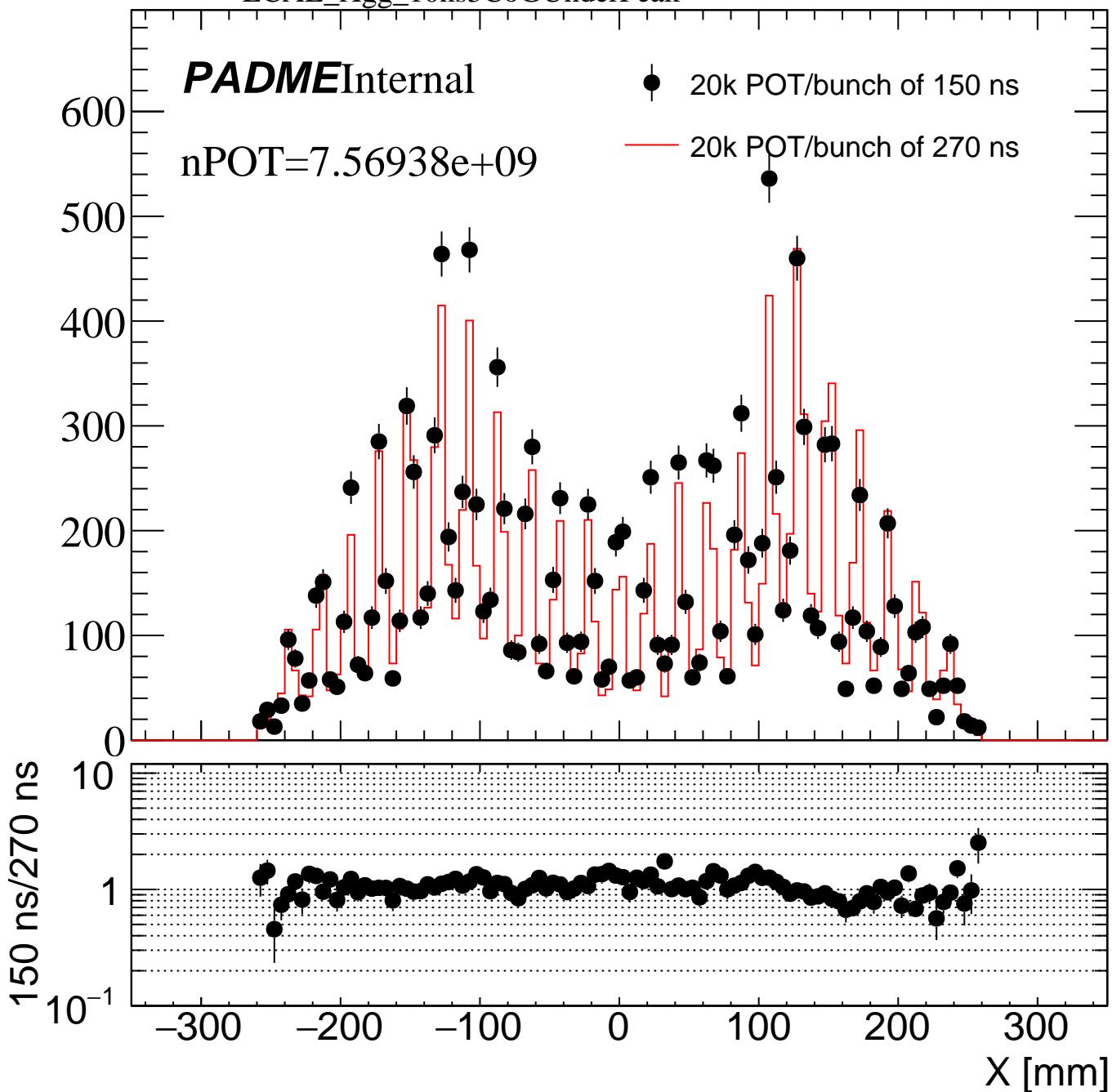
ECAL_Xgg_10ns1CoG20DegreeDeltaTheta



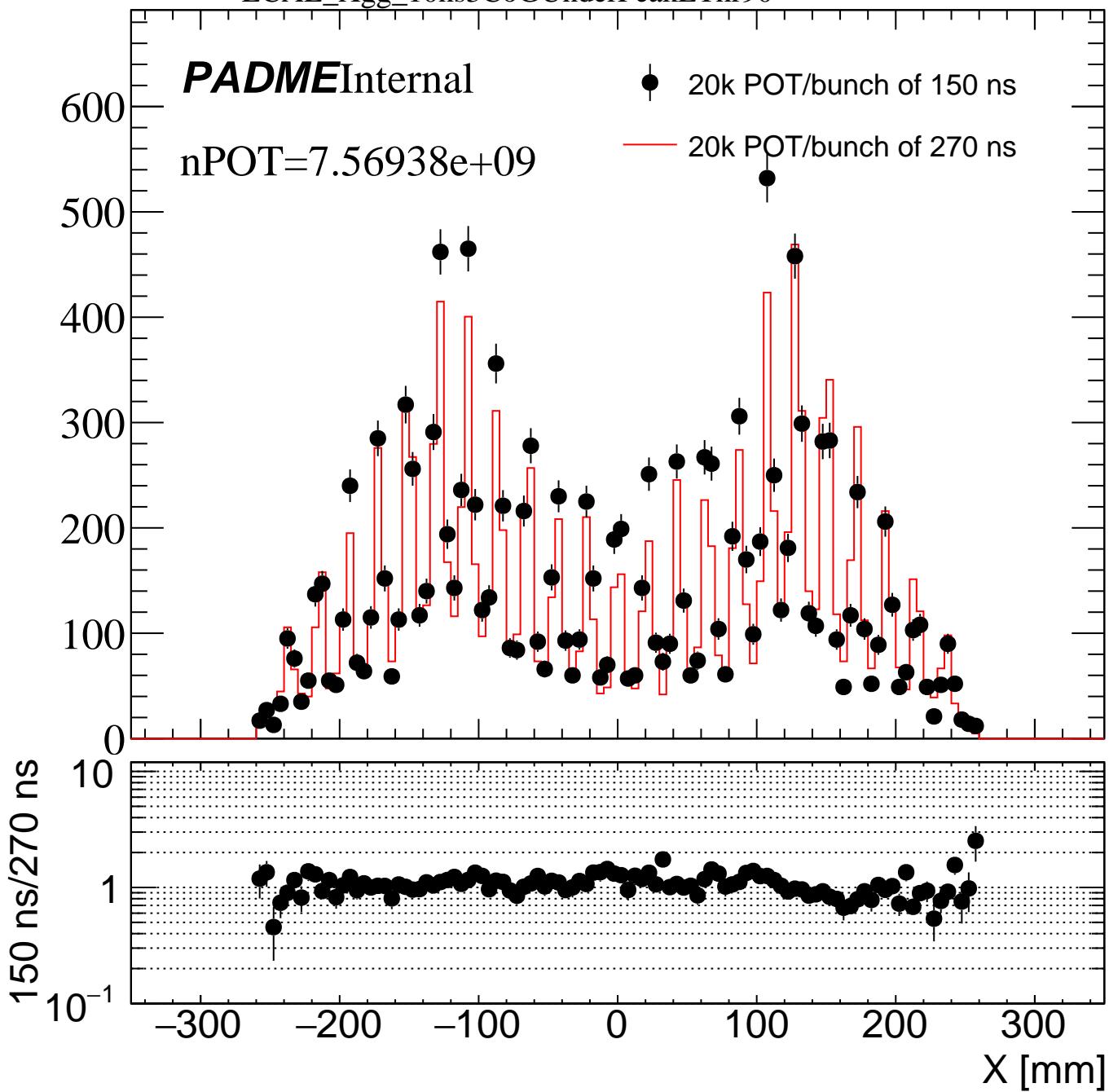
ECAL_Xgg_10ns3CoG



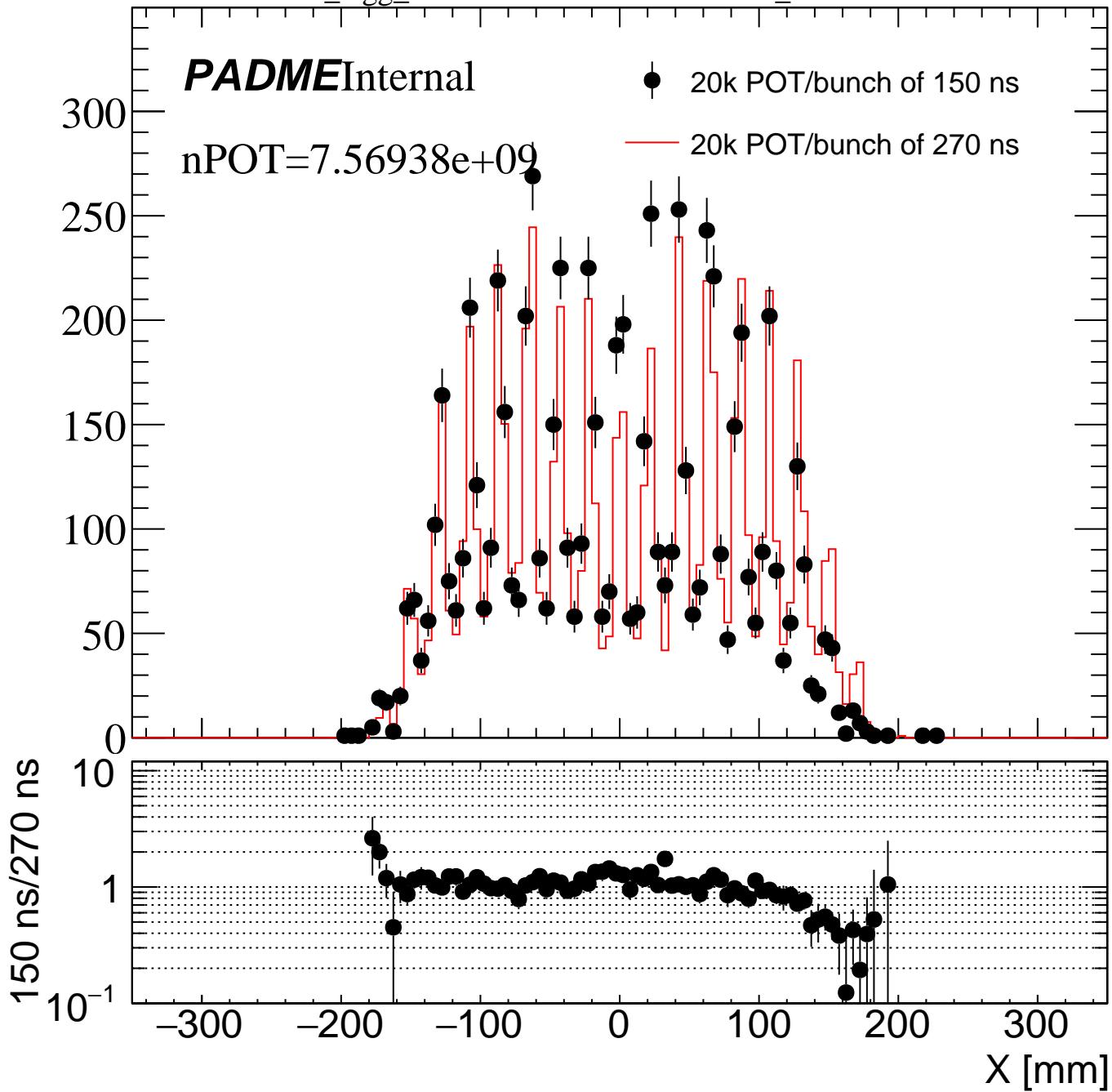
ECAL_Xgg_10ns3CoGUnderPeak



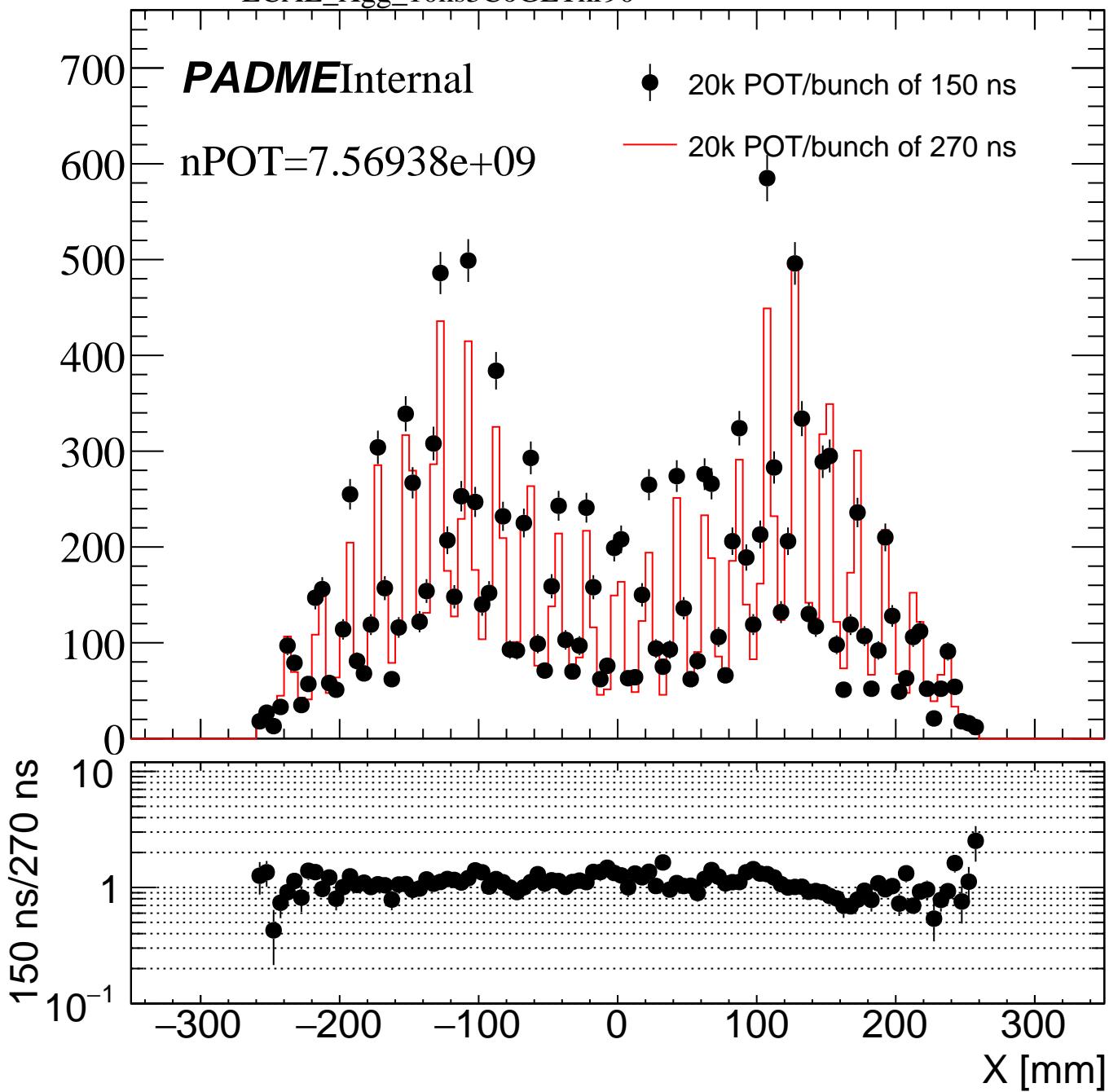
ECAL_Xgg_10ns3CoGUnderPeakEThr90



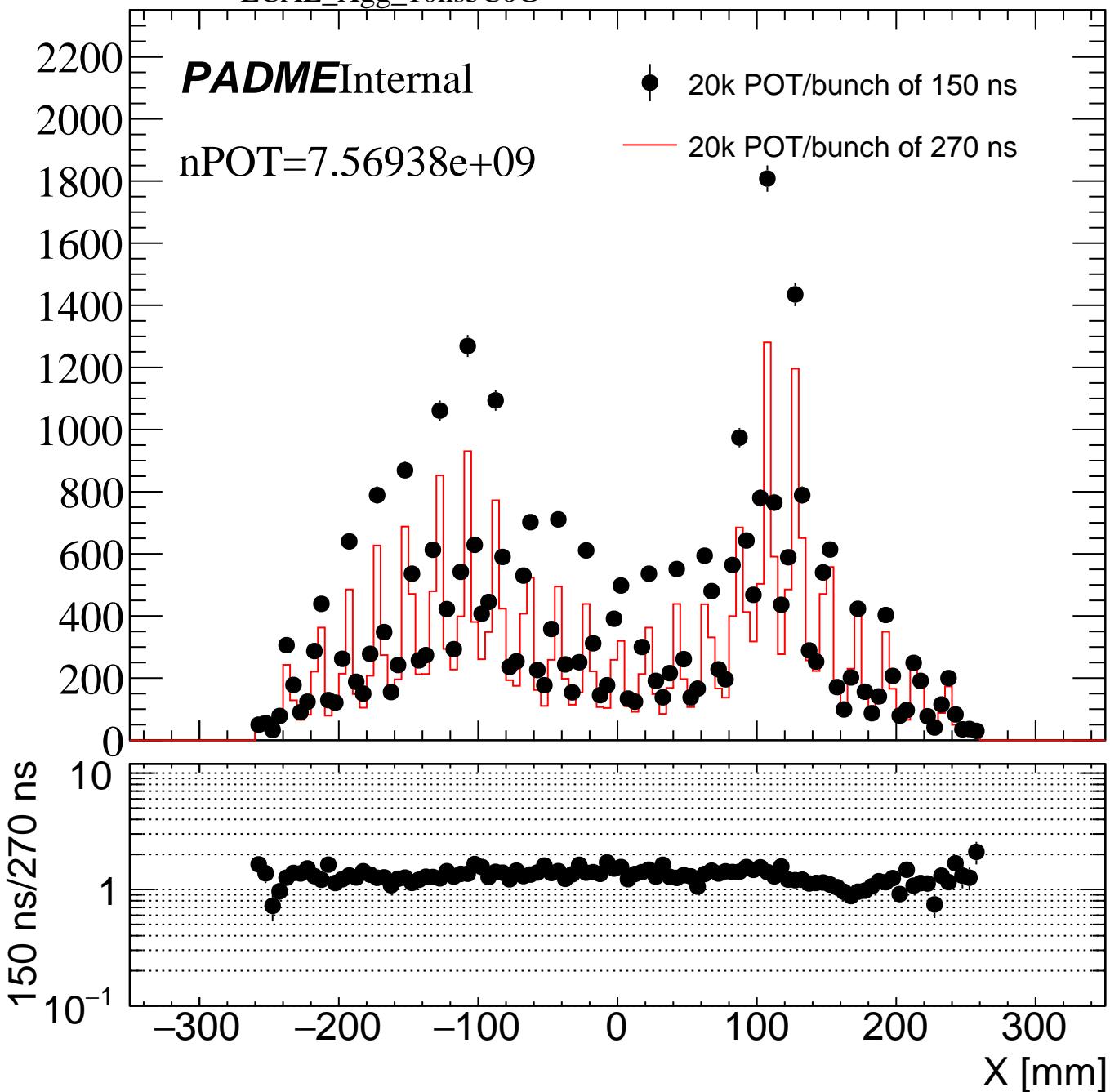
ECAL_Xgg_10ns3CoGUnderPeakEThr90_FRY



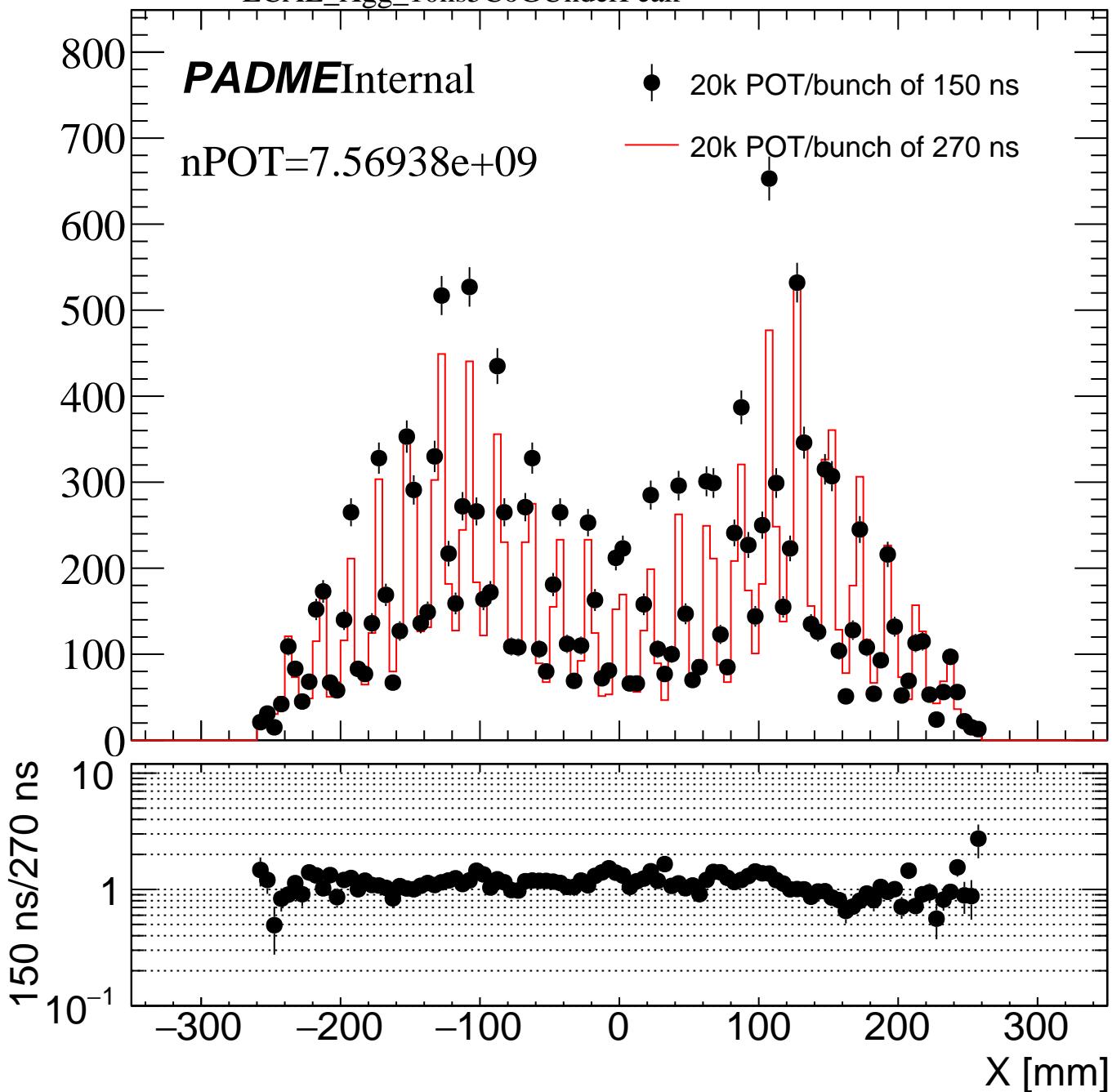
ECAL_Xgg_10ns3CoGEThr90



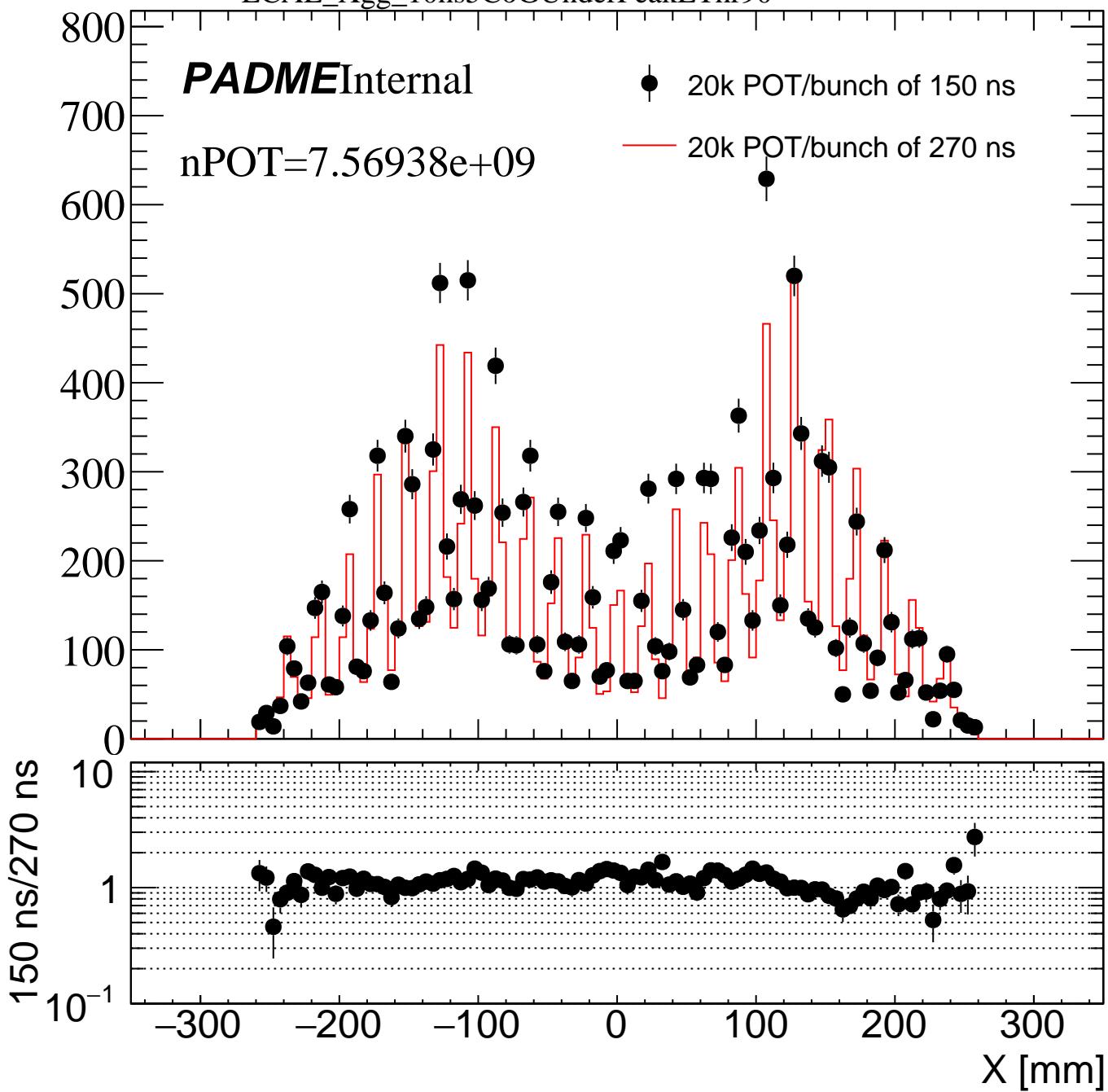
ECAL_Xgg_10ns5CoG



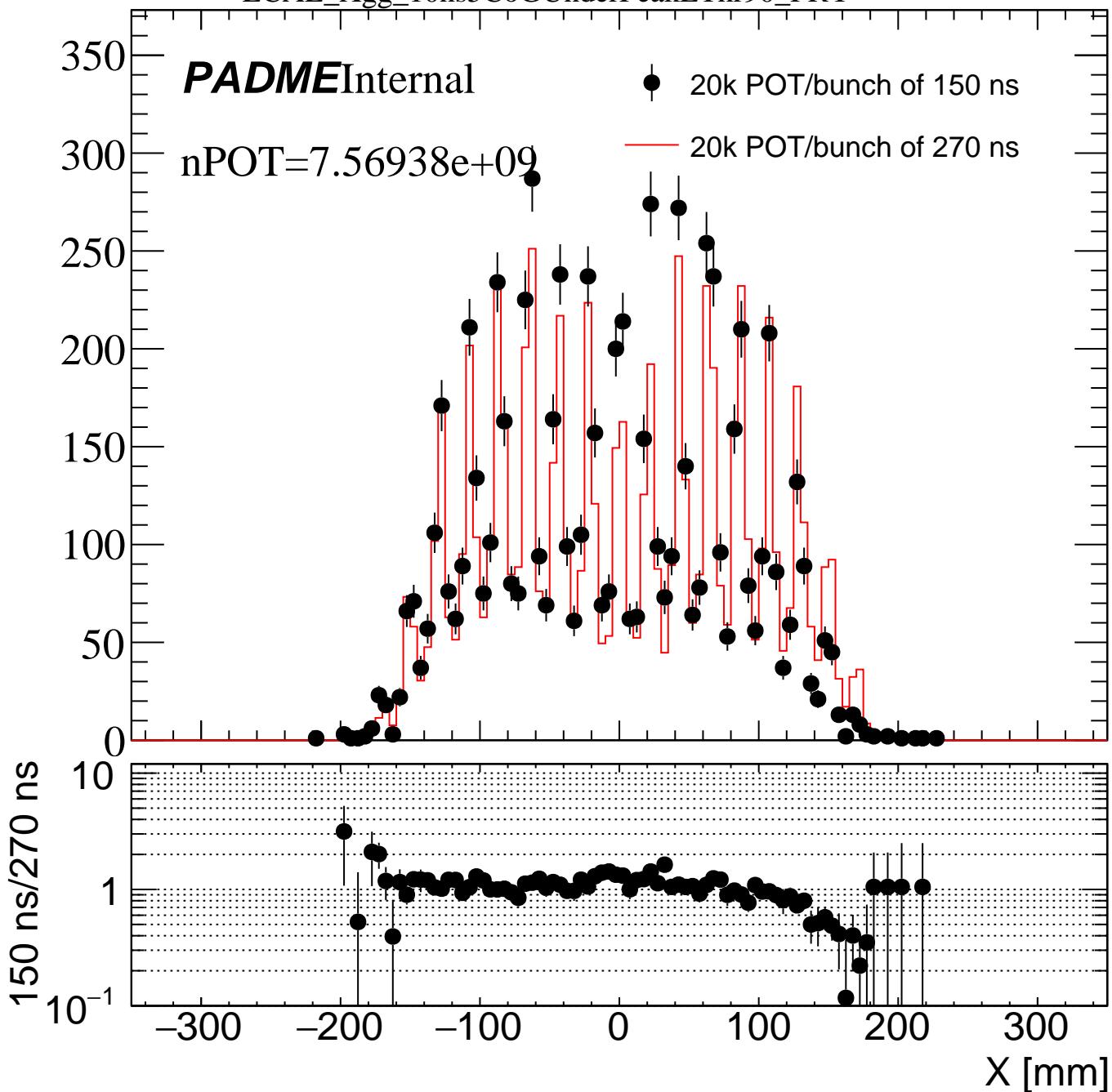
ECAL_Xgg_10ns5CoGUnderPeak



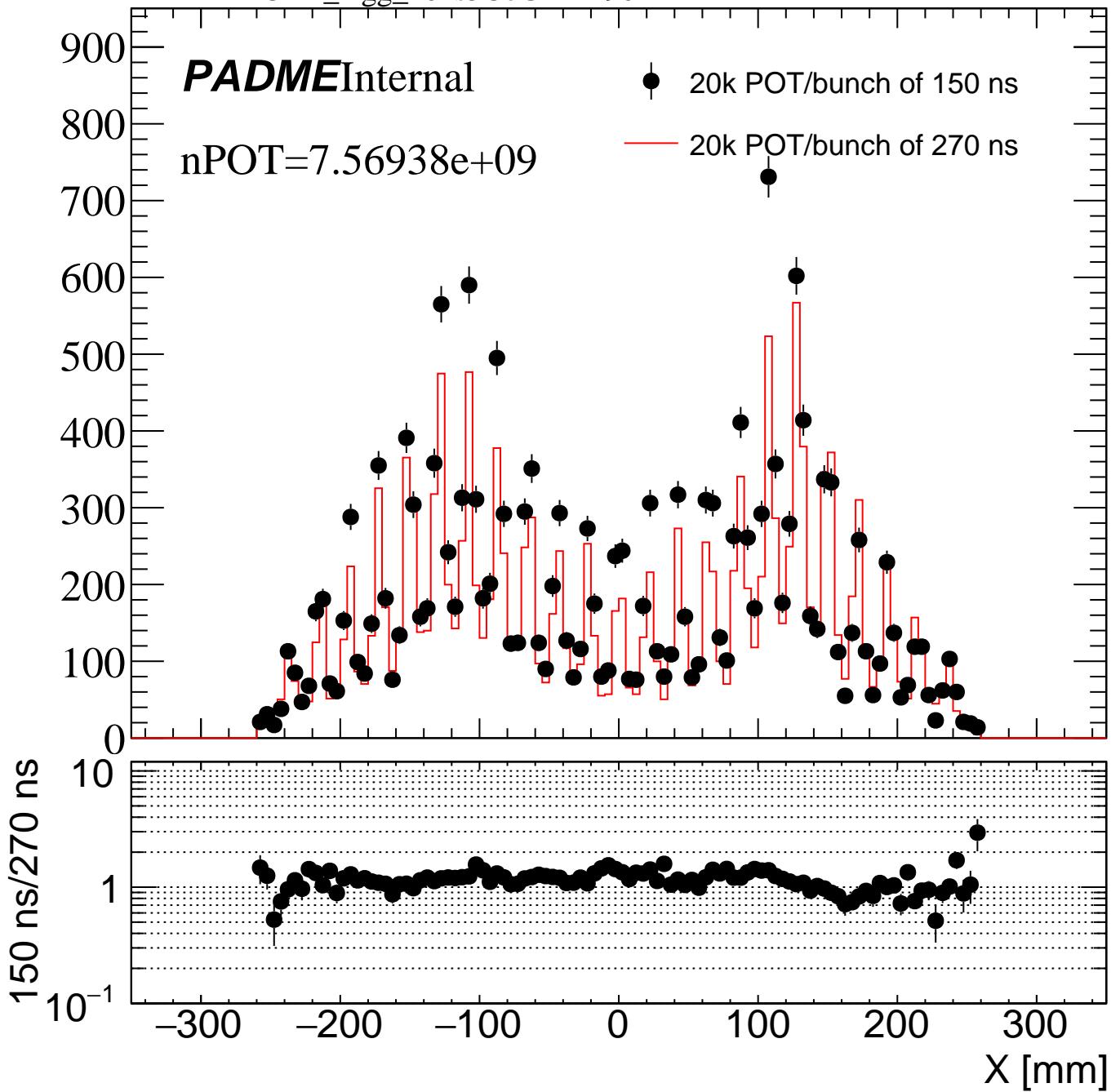
ECAL_Xgg_10ns5CoGUnderPeakEThr90

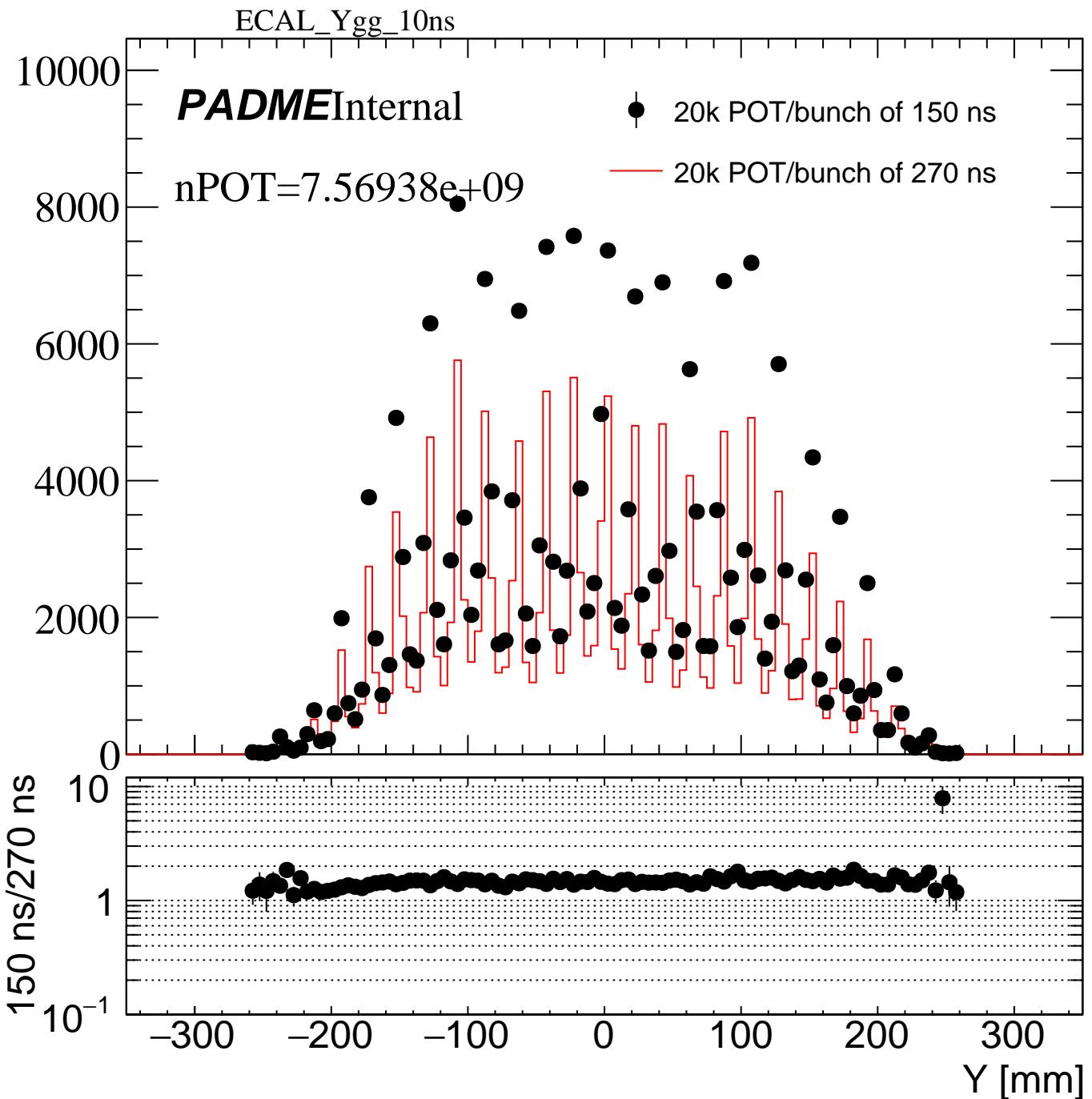


ECAL_Xgg_10ns5CoGUnderPeakEThr90_FRY

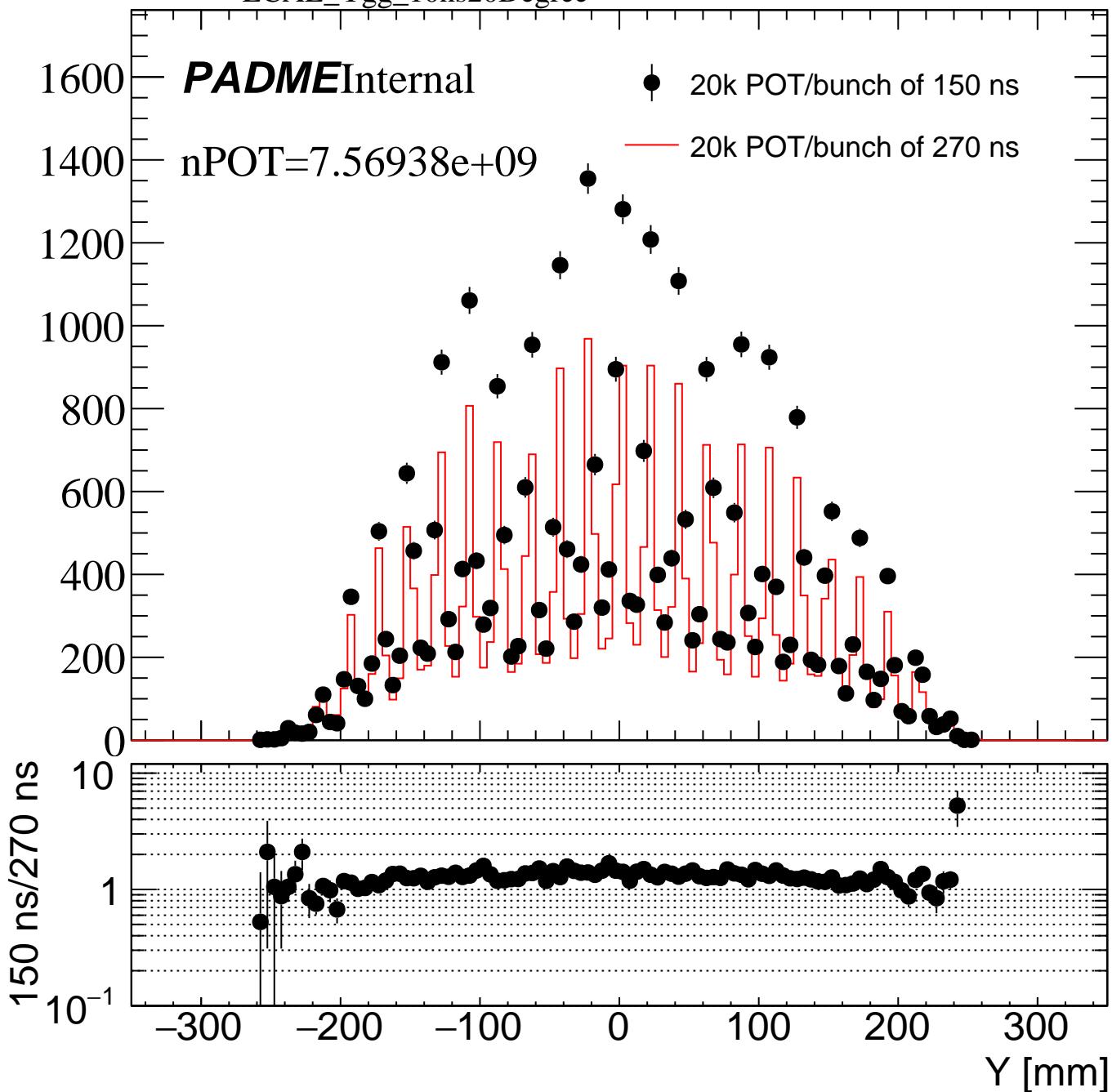


ECAL_Xgg_10ns5CoGEThr90

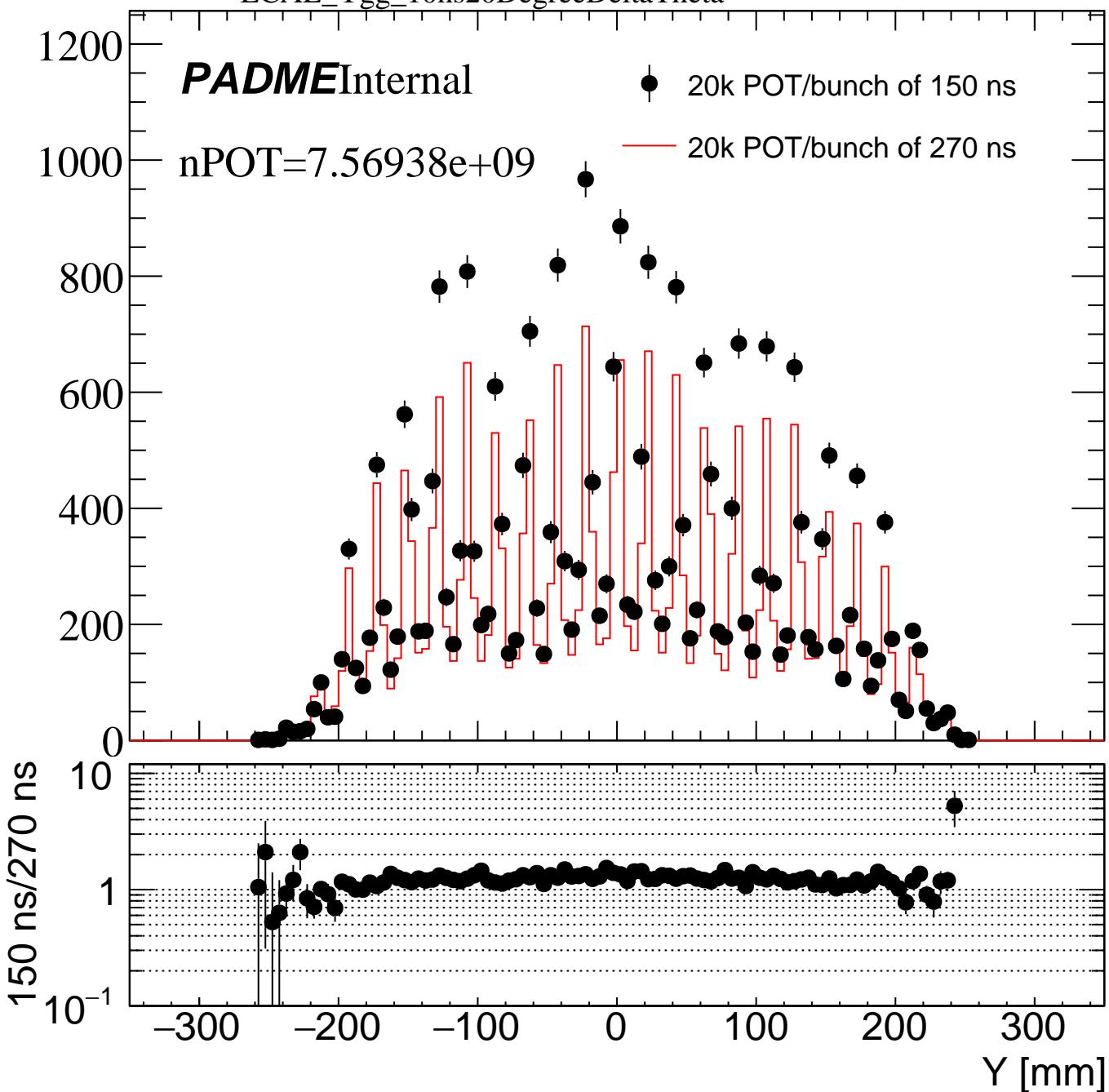




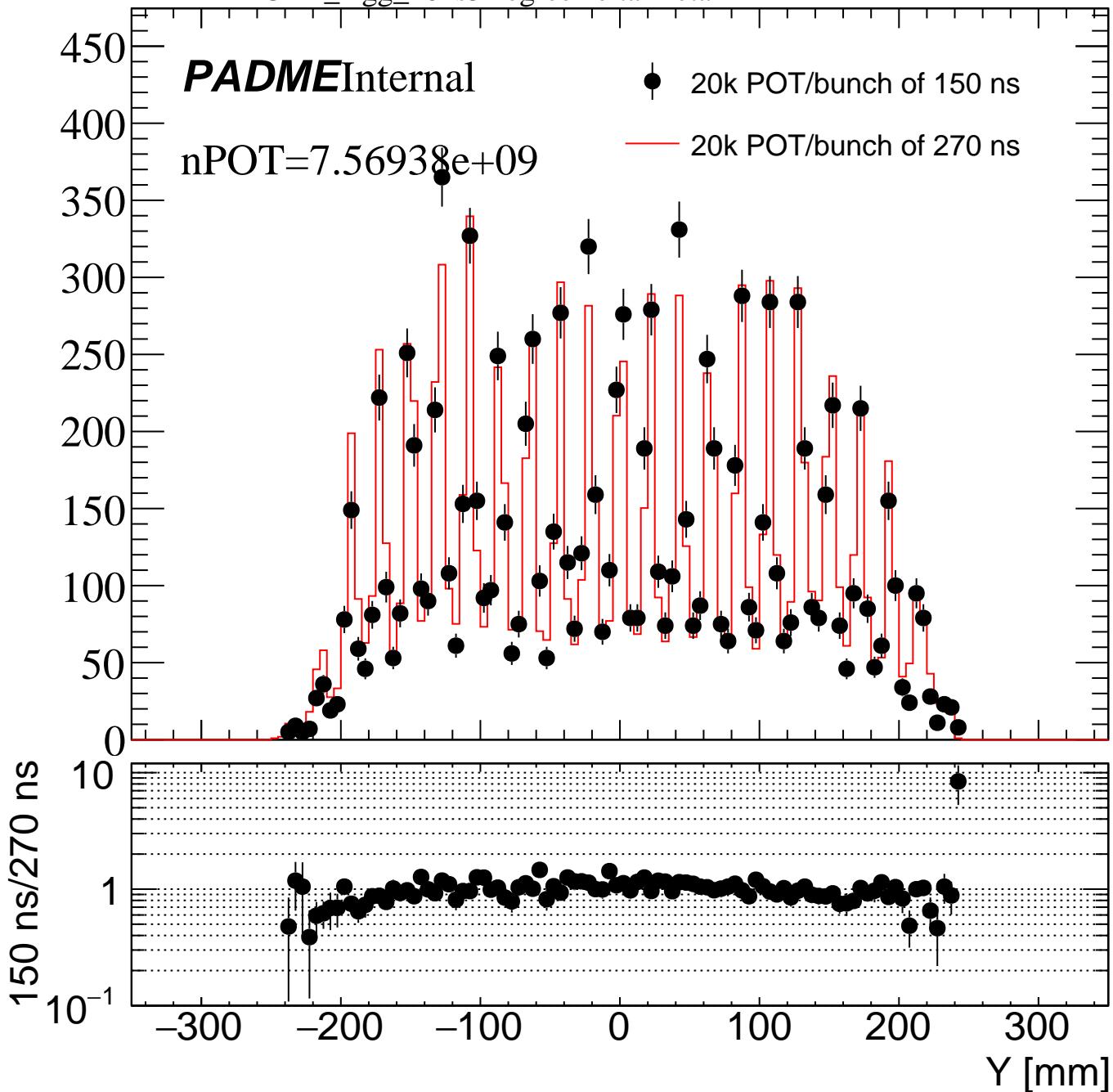
ECAL_Ygg_10ns20Degree



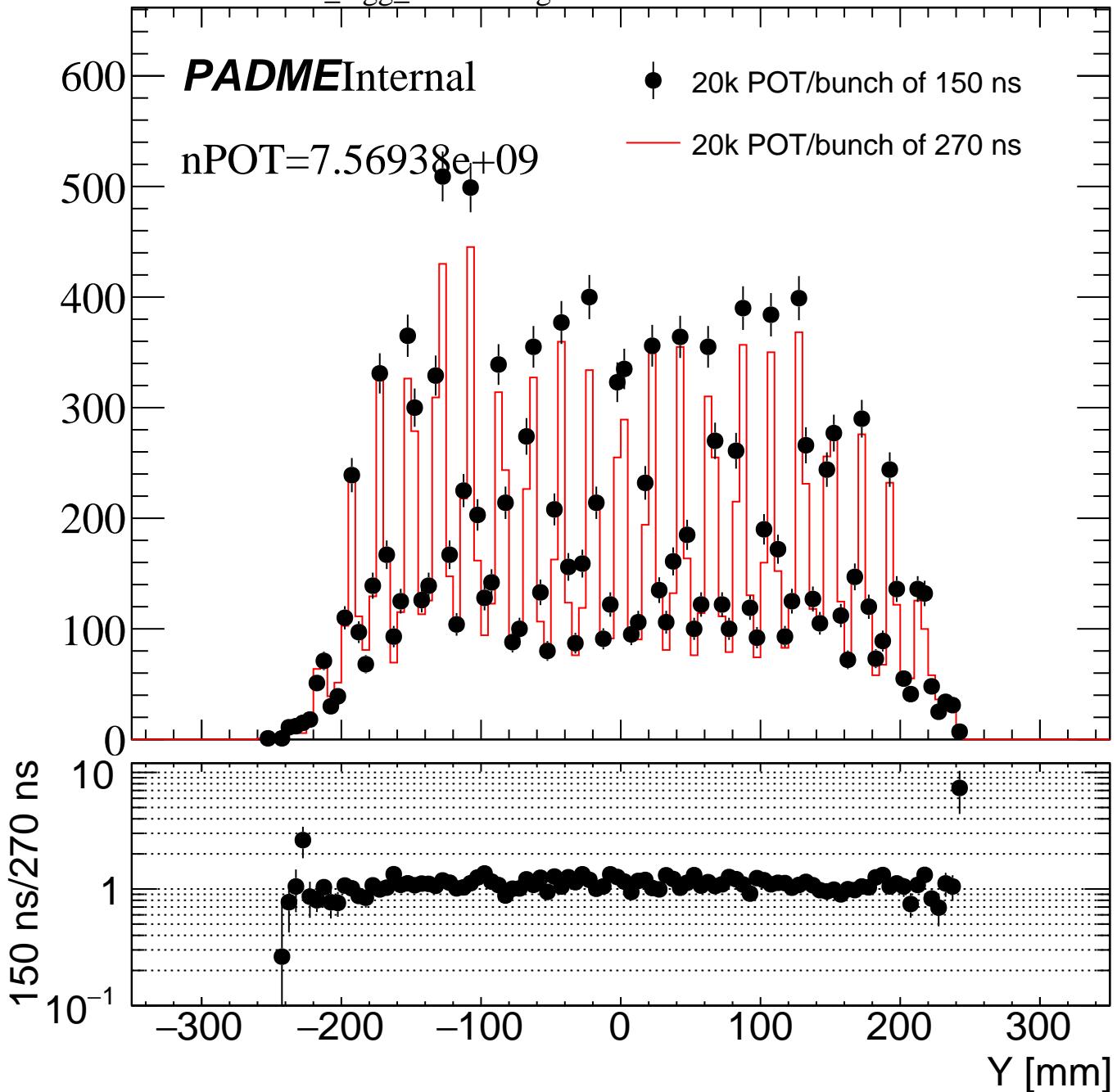
ECAL_Ygg_10ns20DegreeDeltaTheta



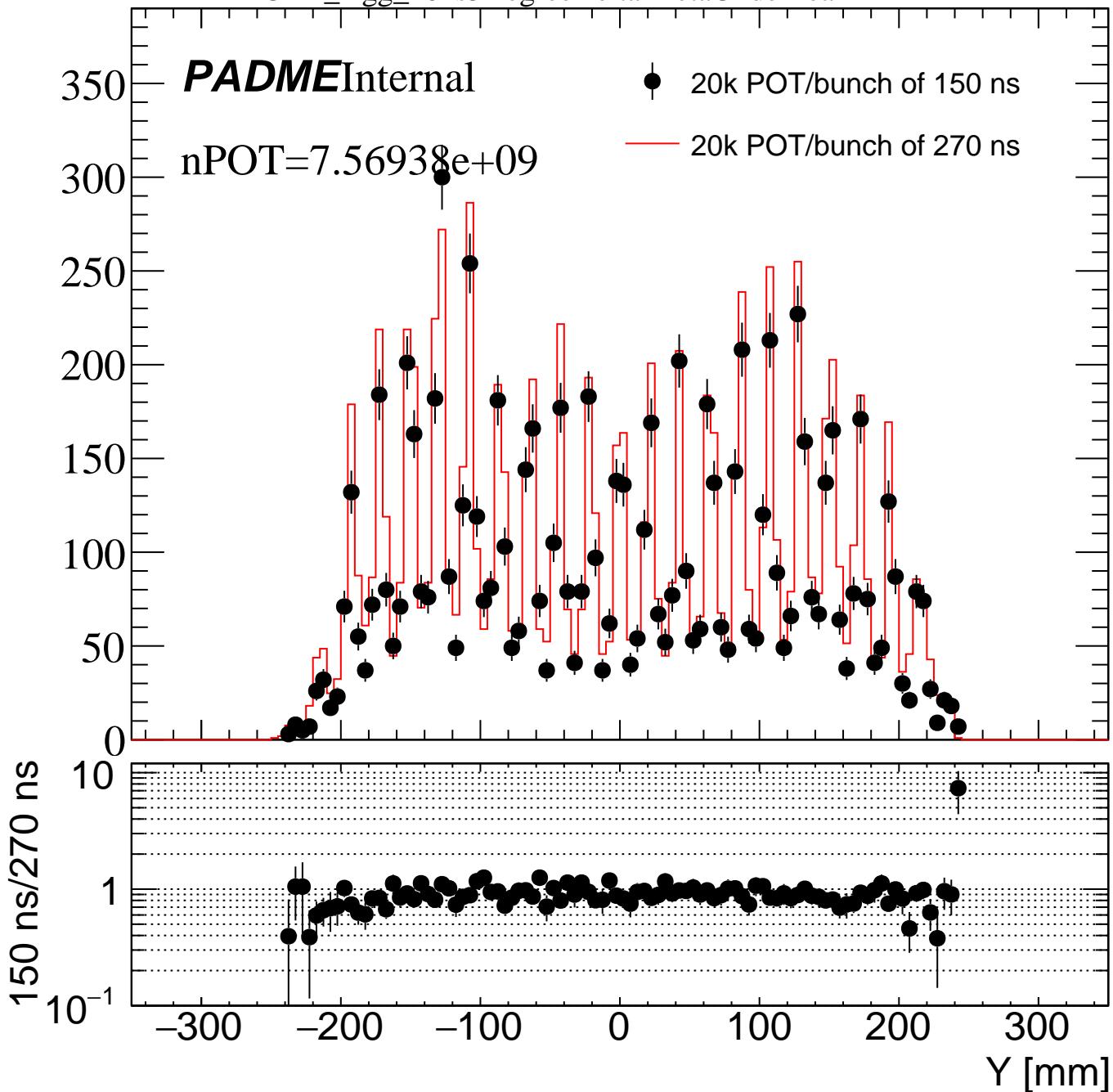
ECAL_Ygg_10ns5DegreeDeltaTheta



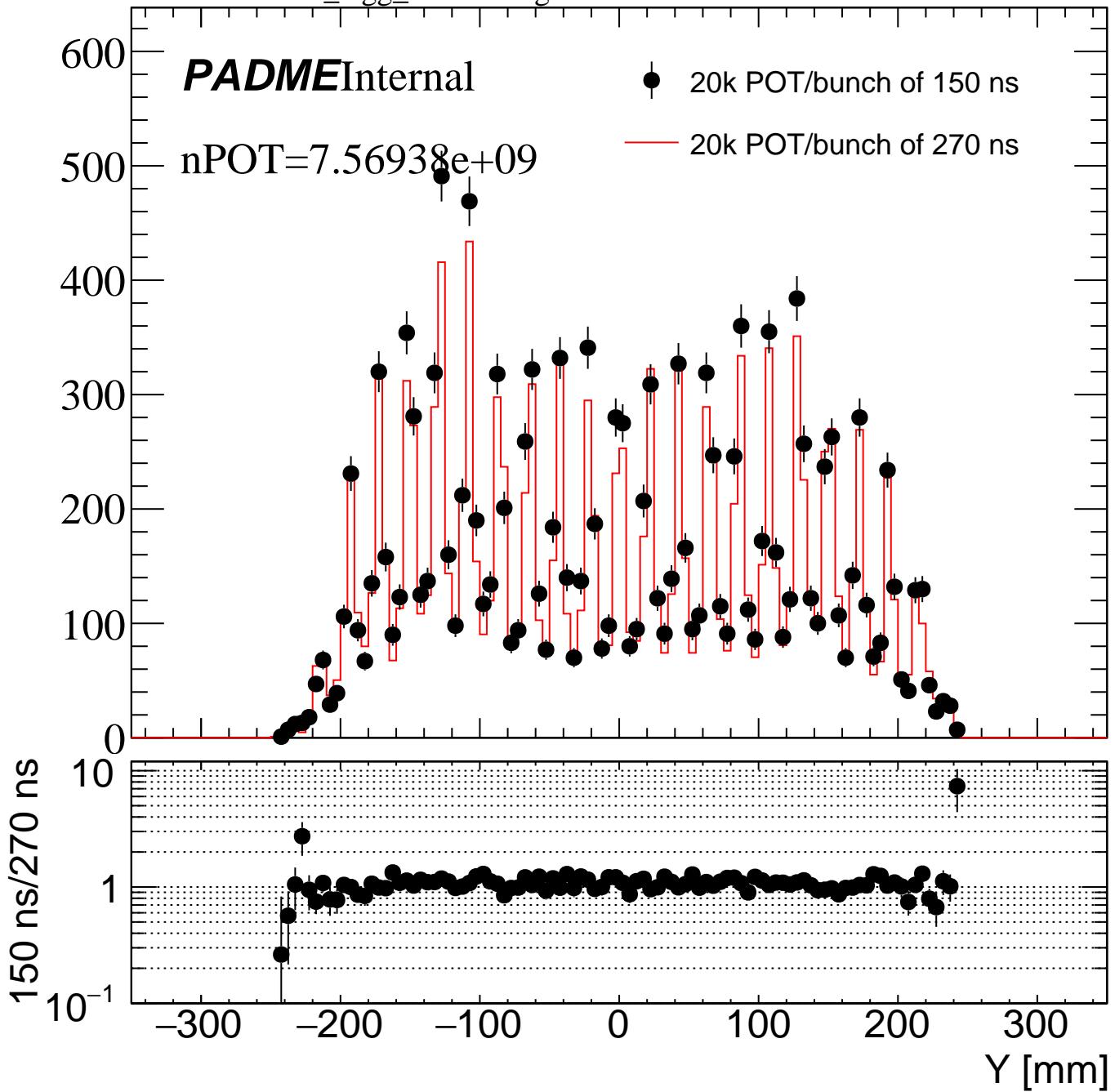
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak

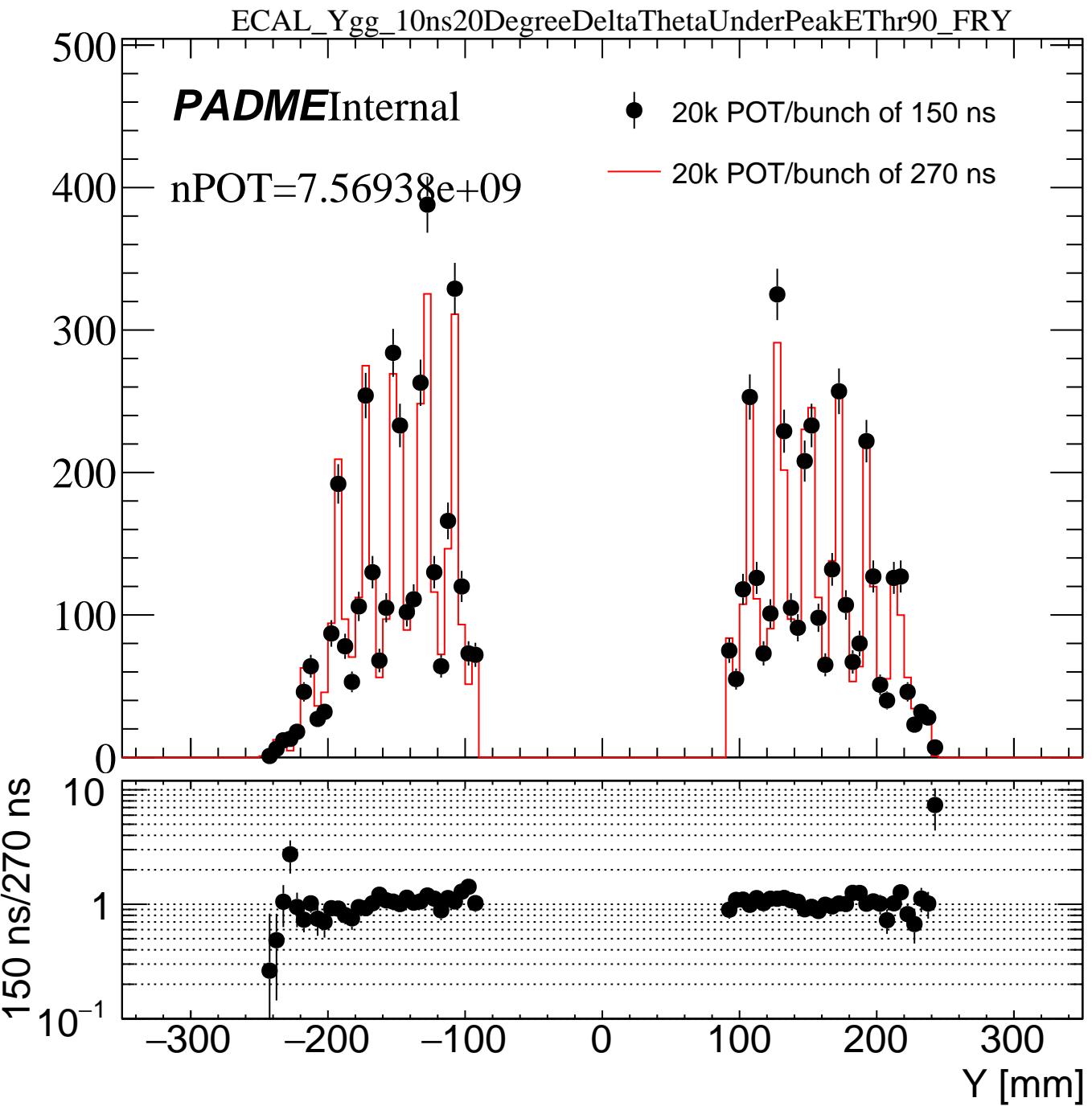


ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak

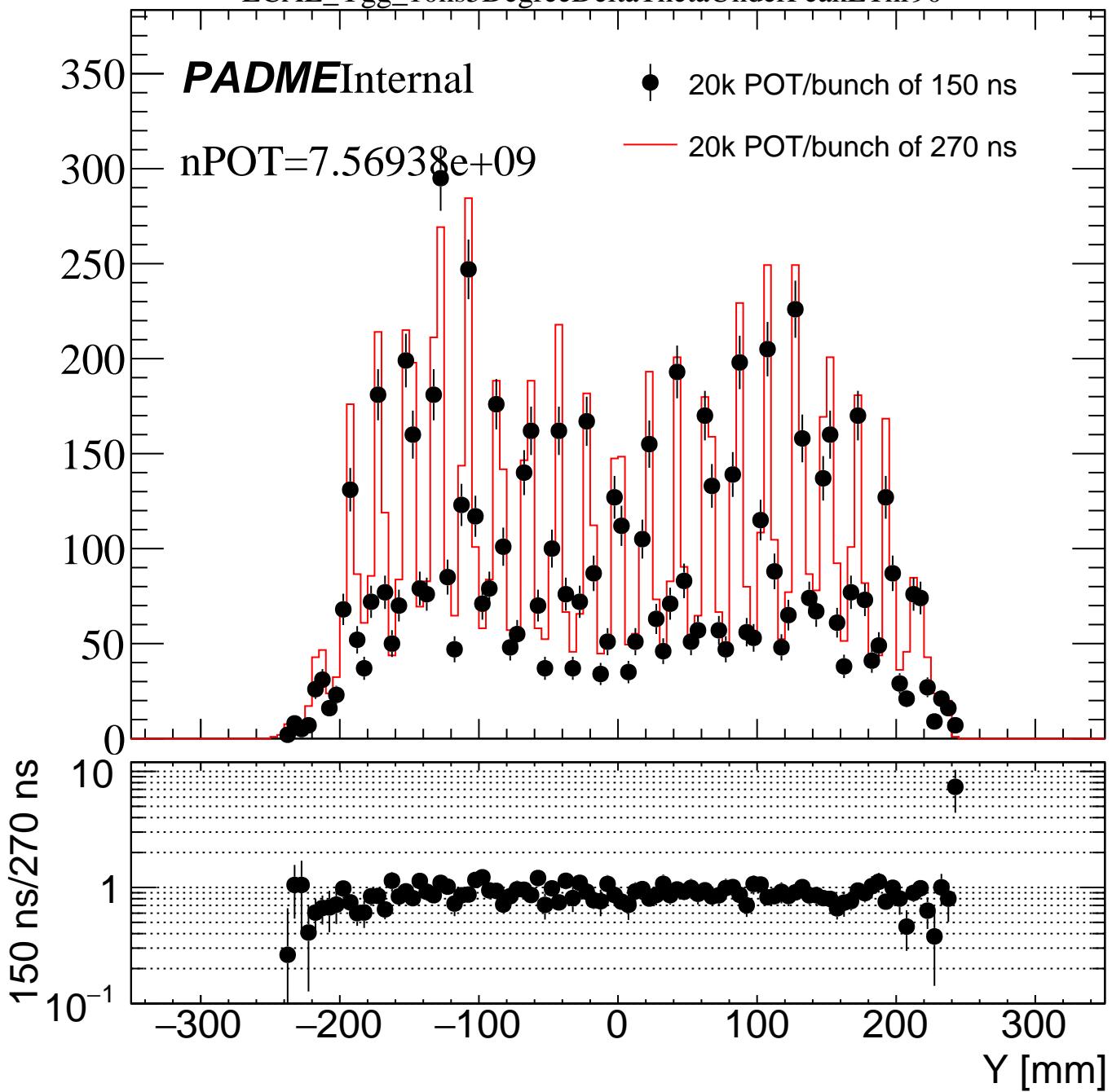


ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90

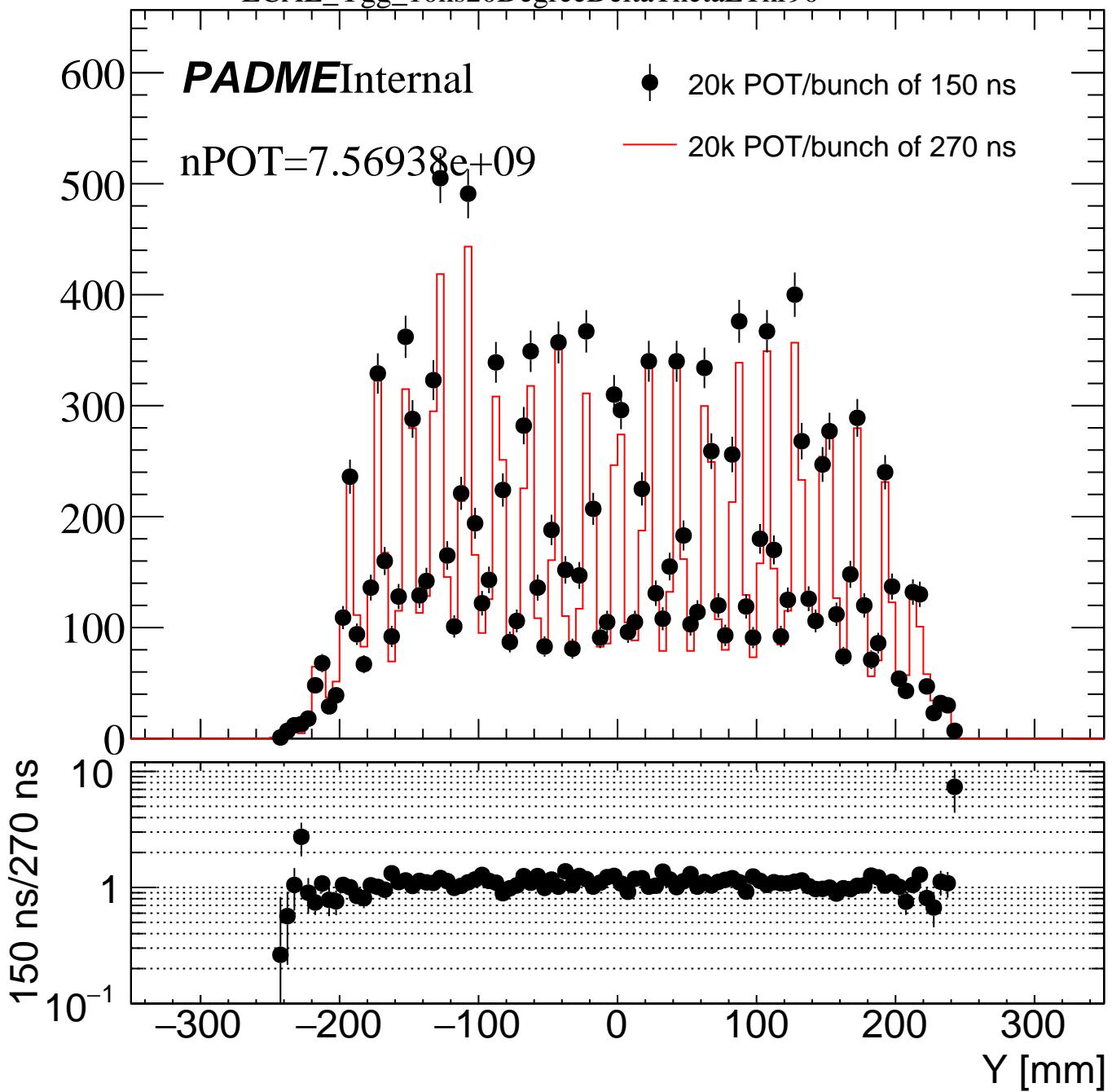




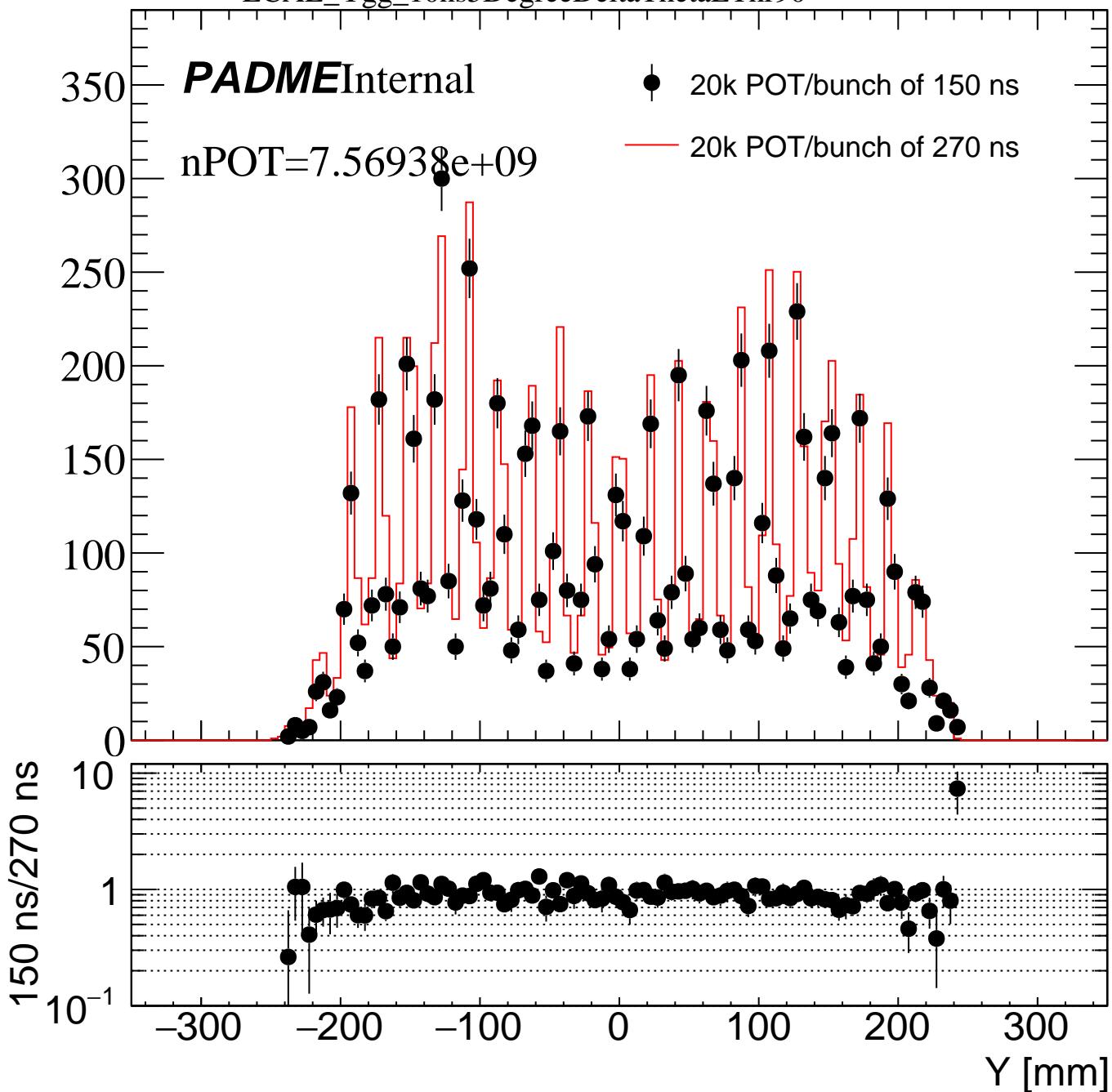
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90



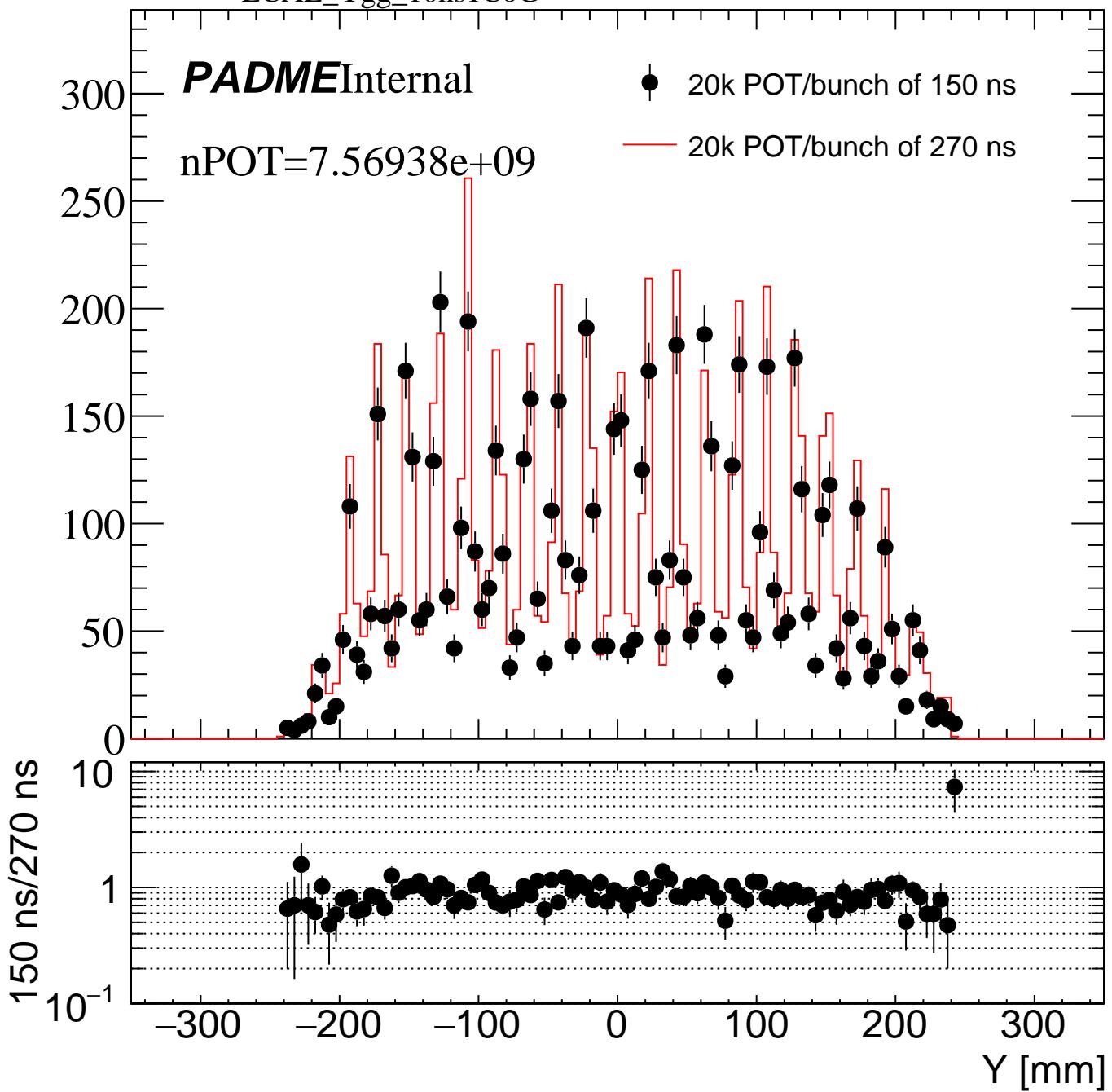
ECAL_Ygg_10ns20DegreeDeltaThetaEThr90



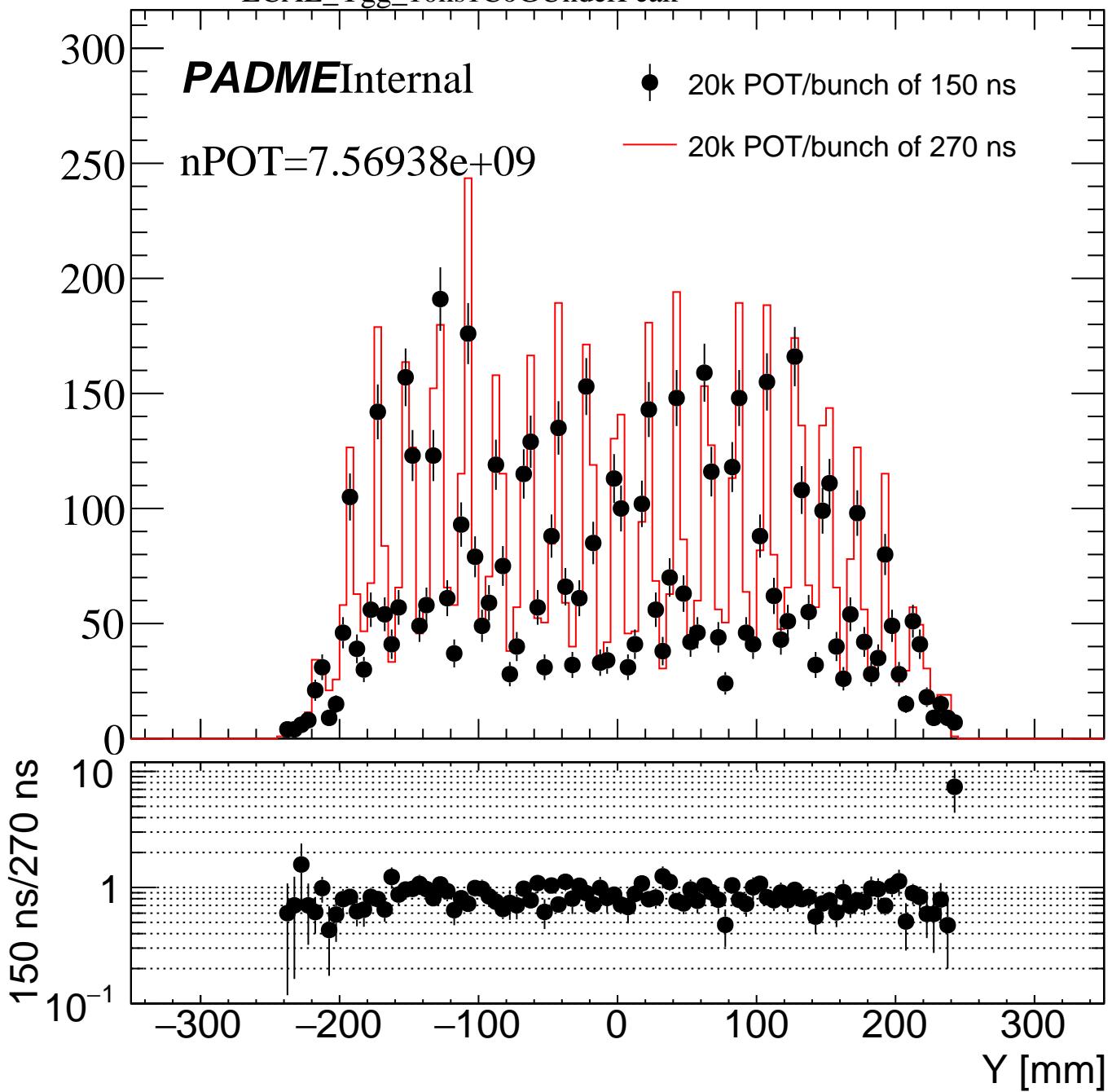
ECAL_Ygg_10ns5DegreeDeltaThetaEThr90



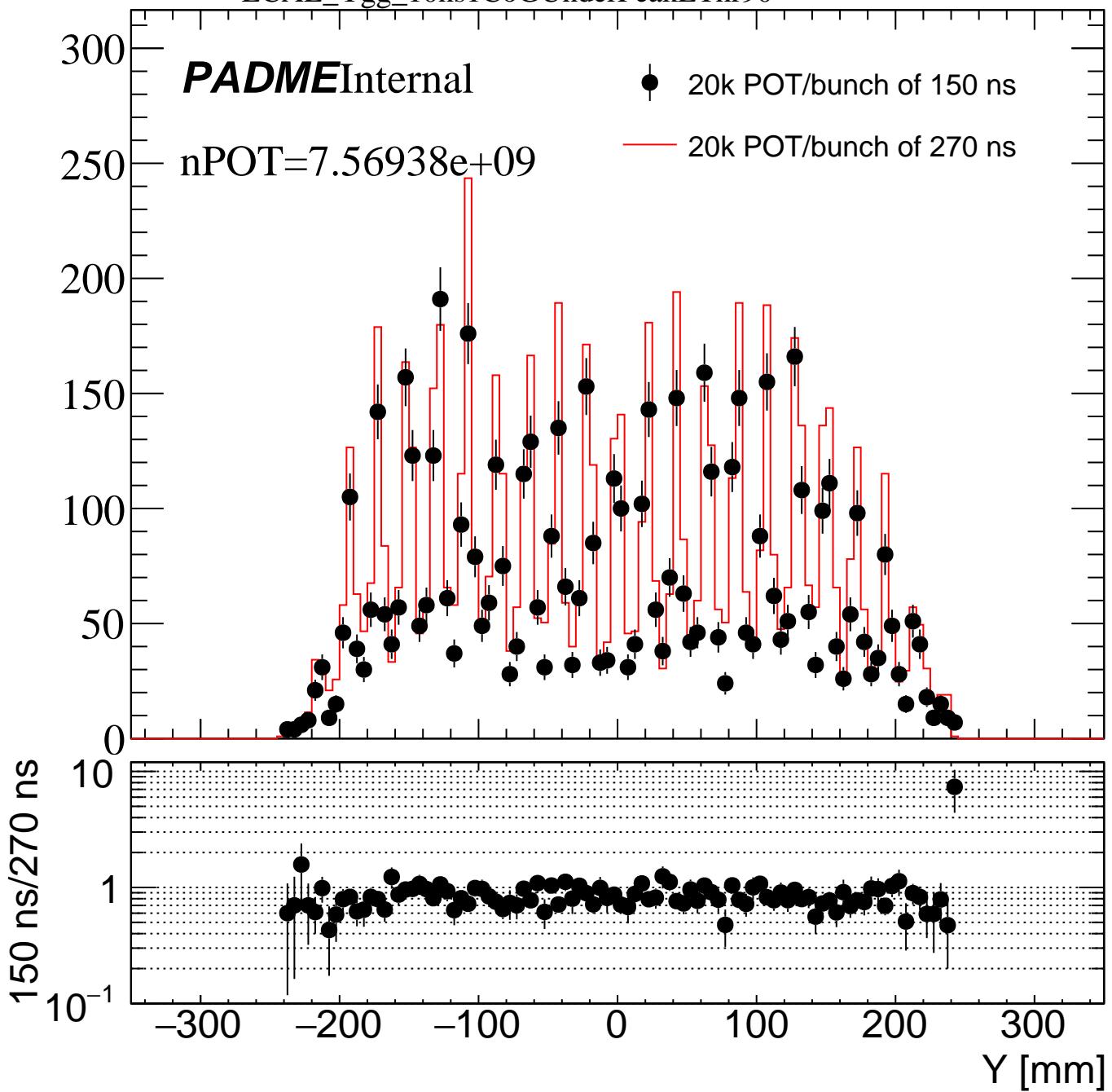
ECAL_Ygg_10ns1CoG



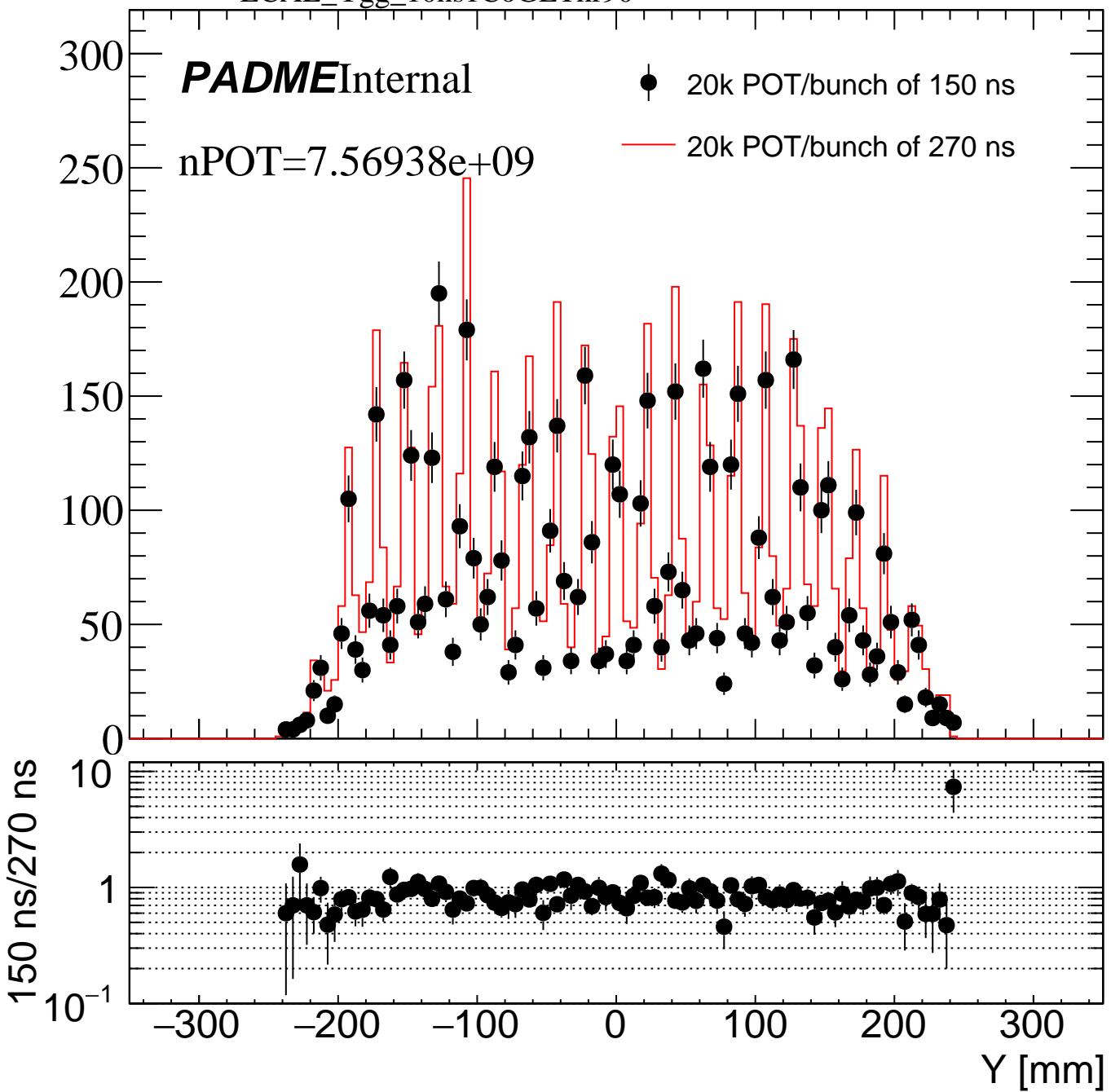
ECAL_Ygg_10ns1CoGUnderPeak



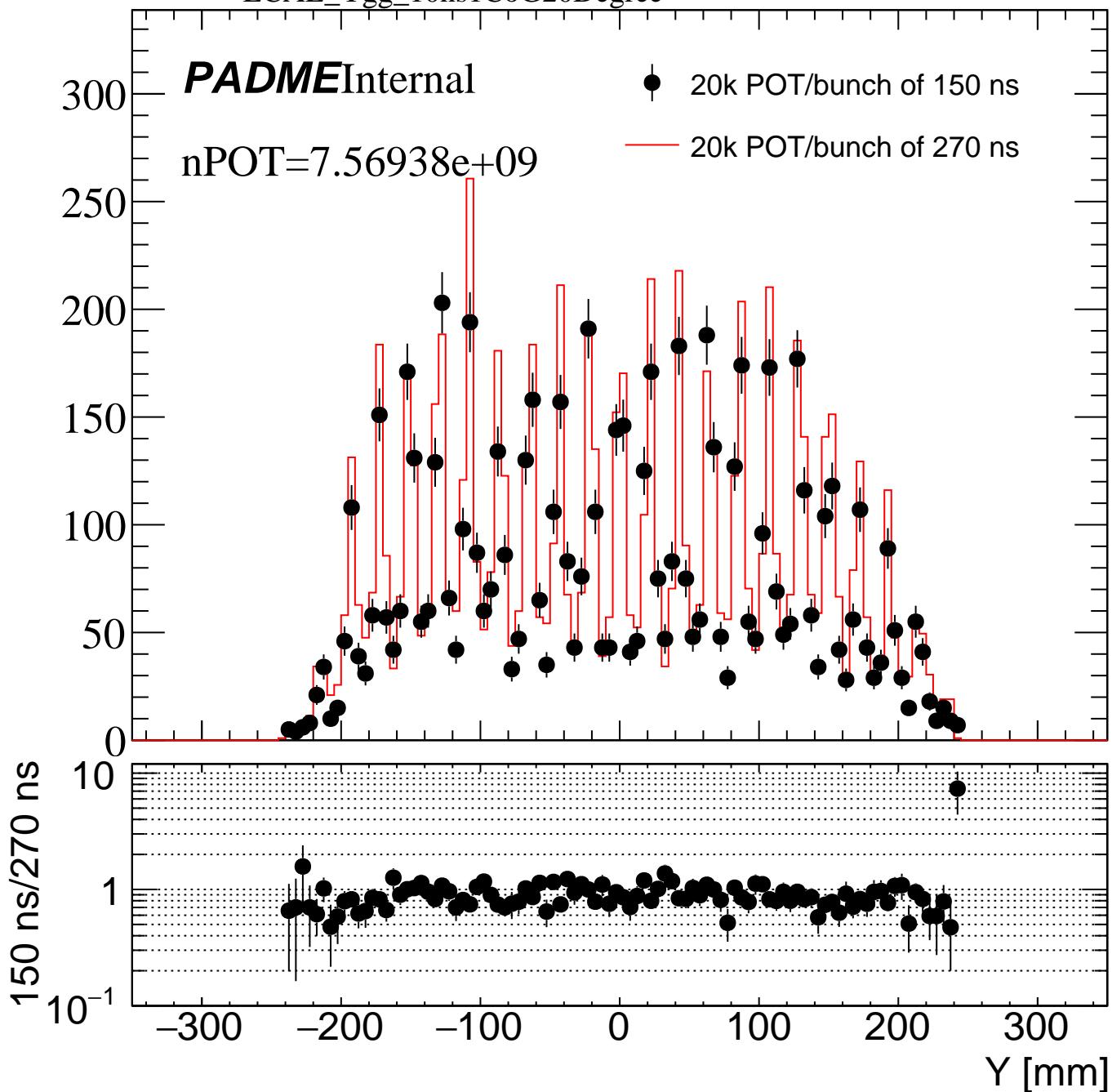
ECAL_Ygg_10ns1CoGUnderPeakETHr90



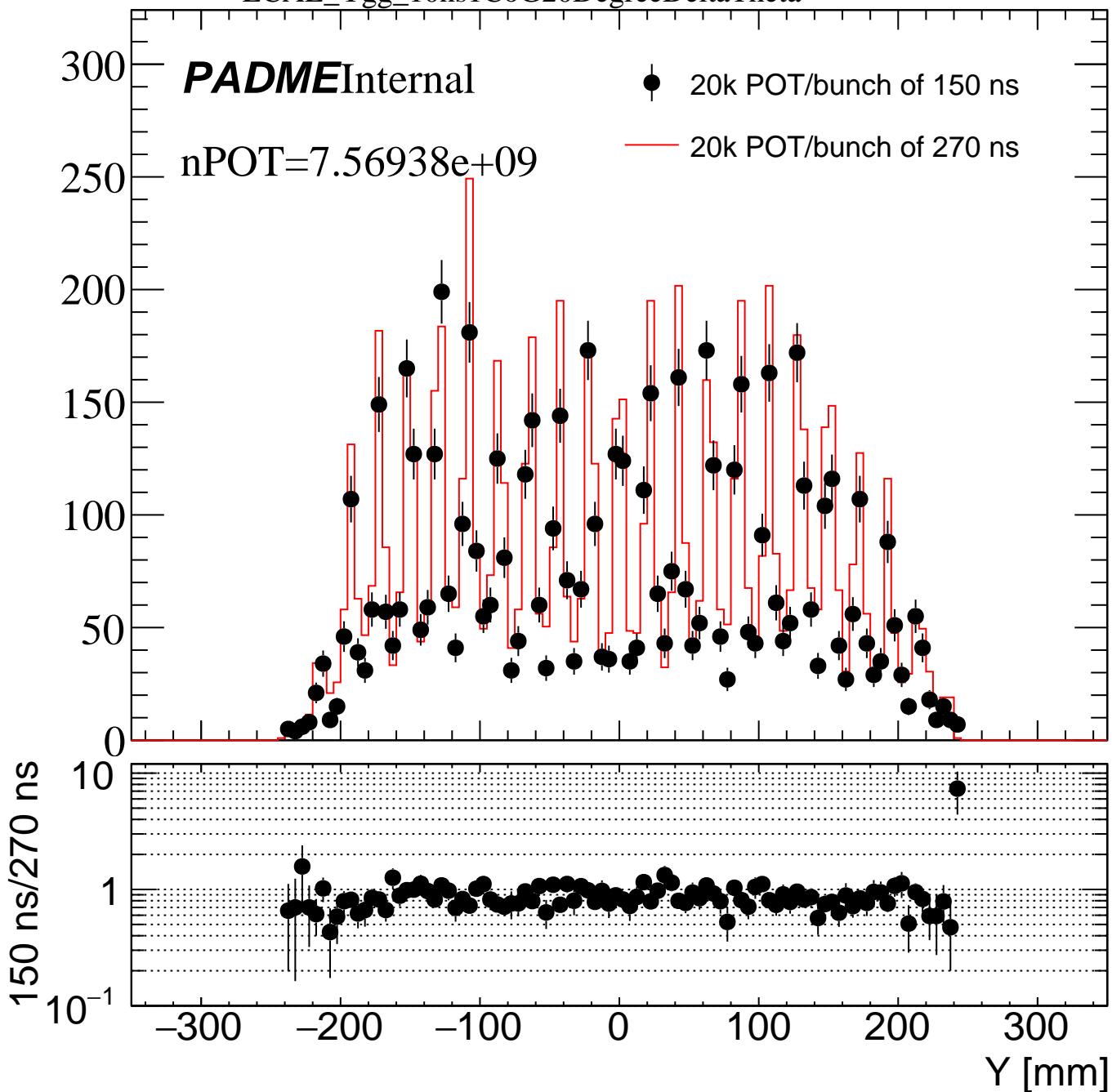
ECAL_Ygg_10ns1CoGEThr90



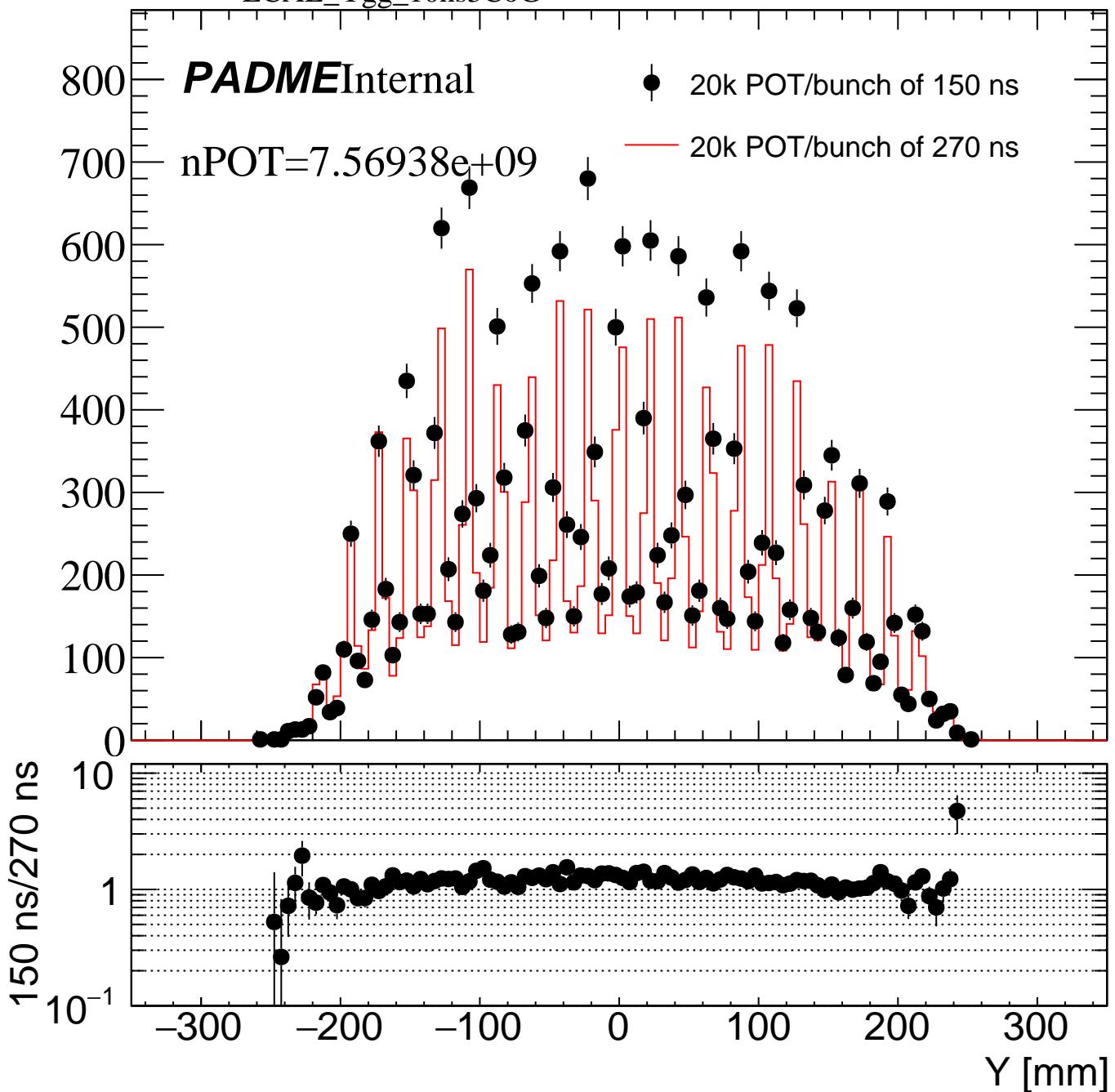
ECAL_Ygg_10ns1CoG20Degree

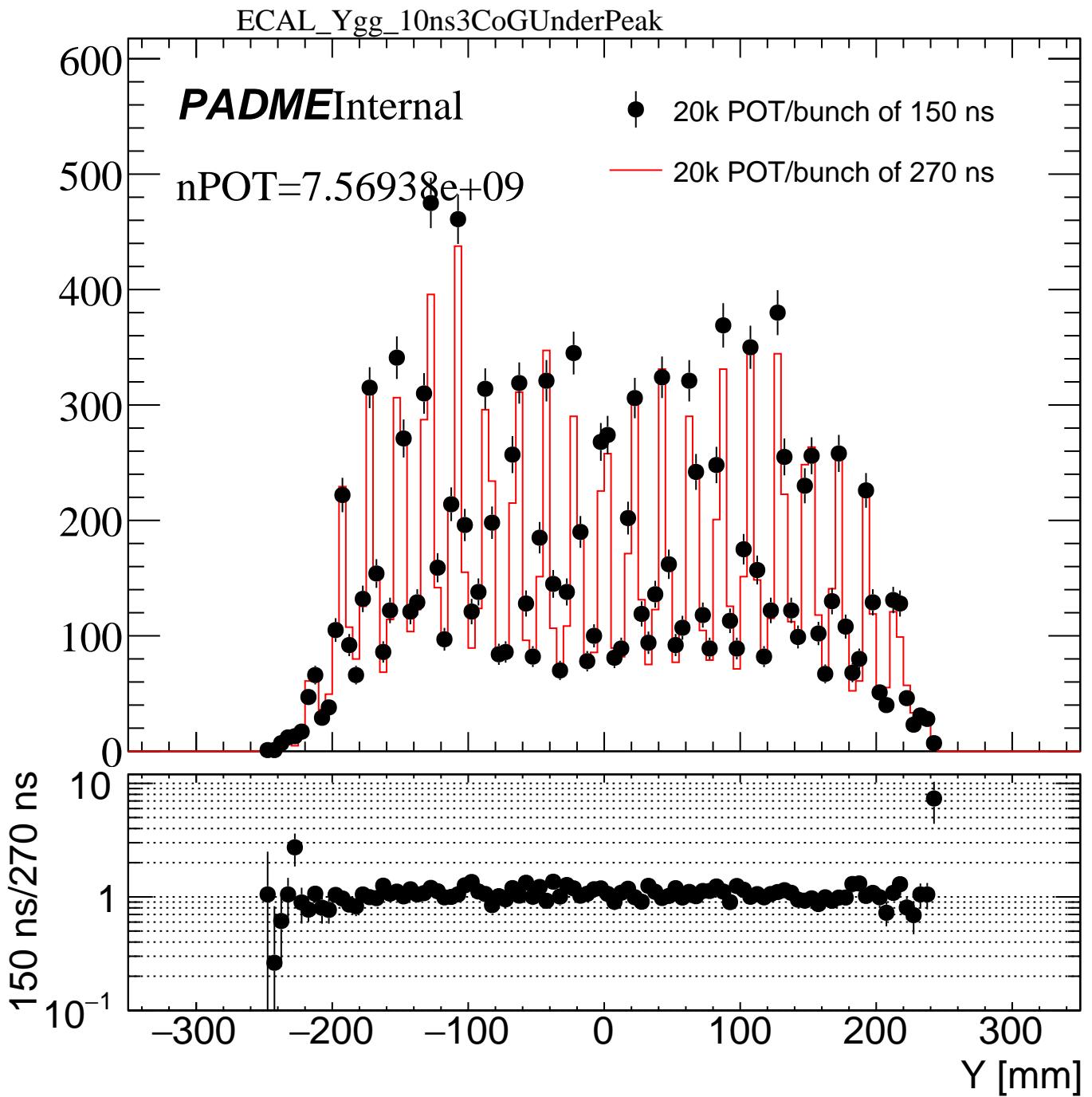


ECAL_Ygg_10ns1CoG20DegreeDeltaTheta

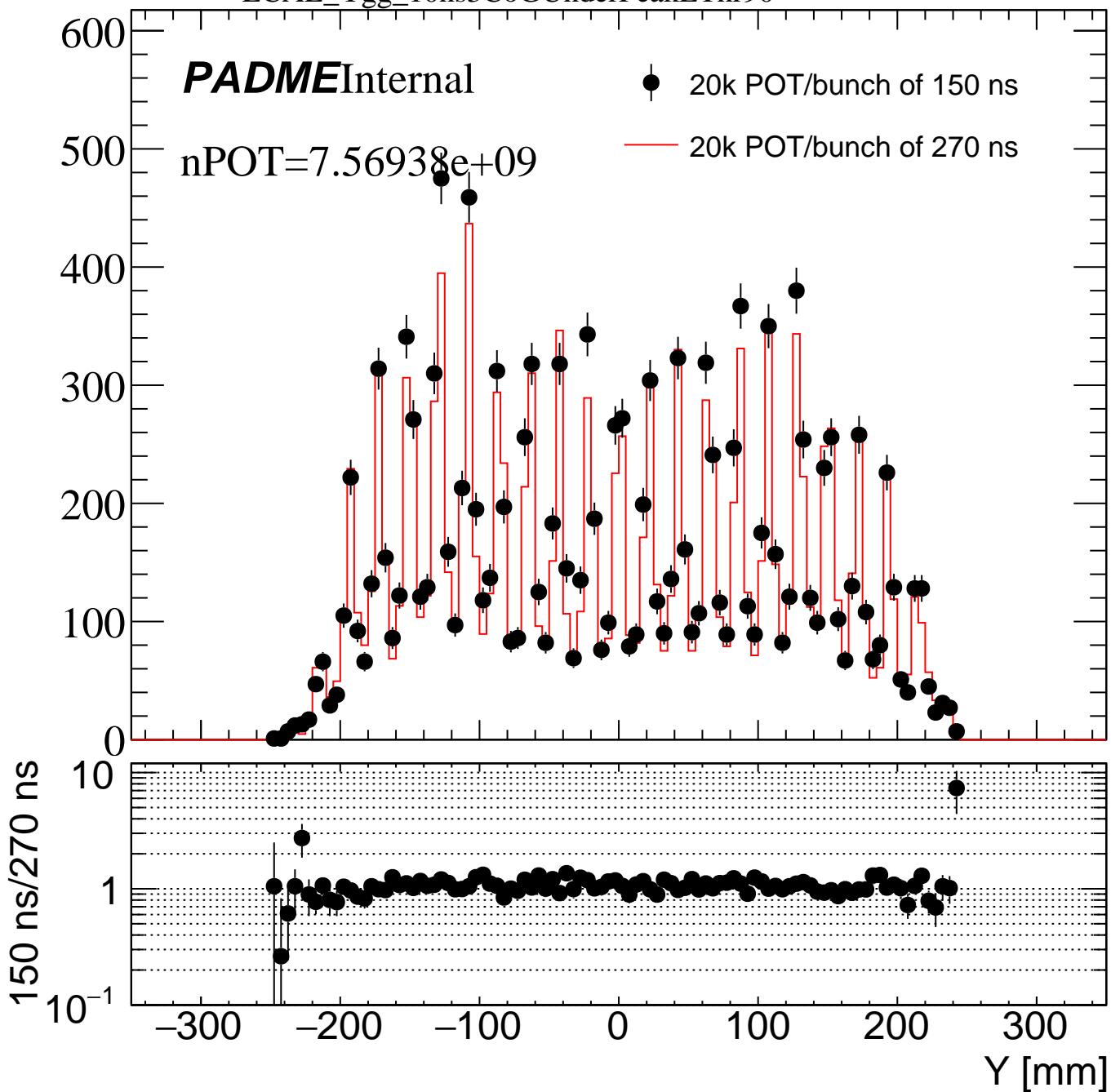


ECAL_Ygg_10ns3CoG

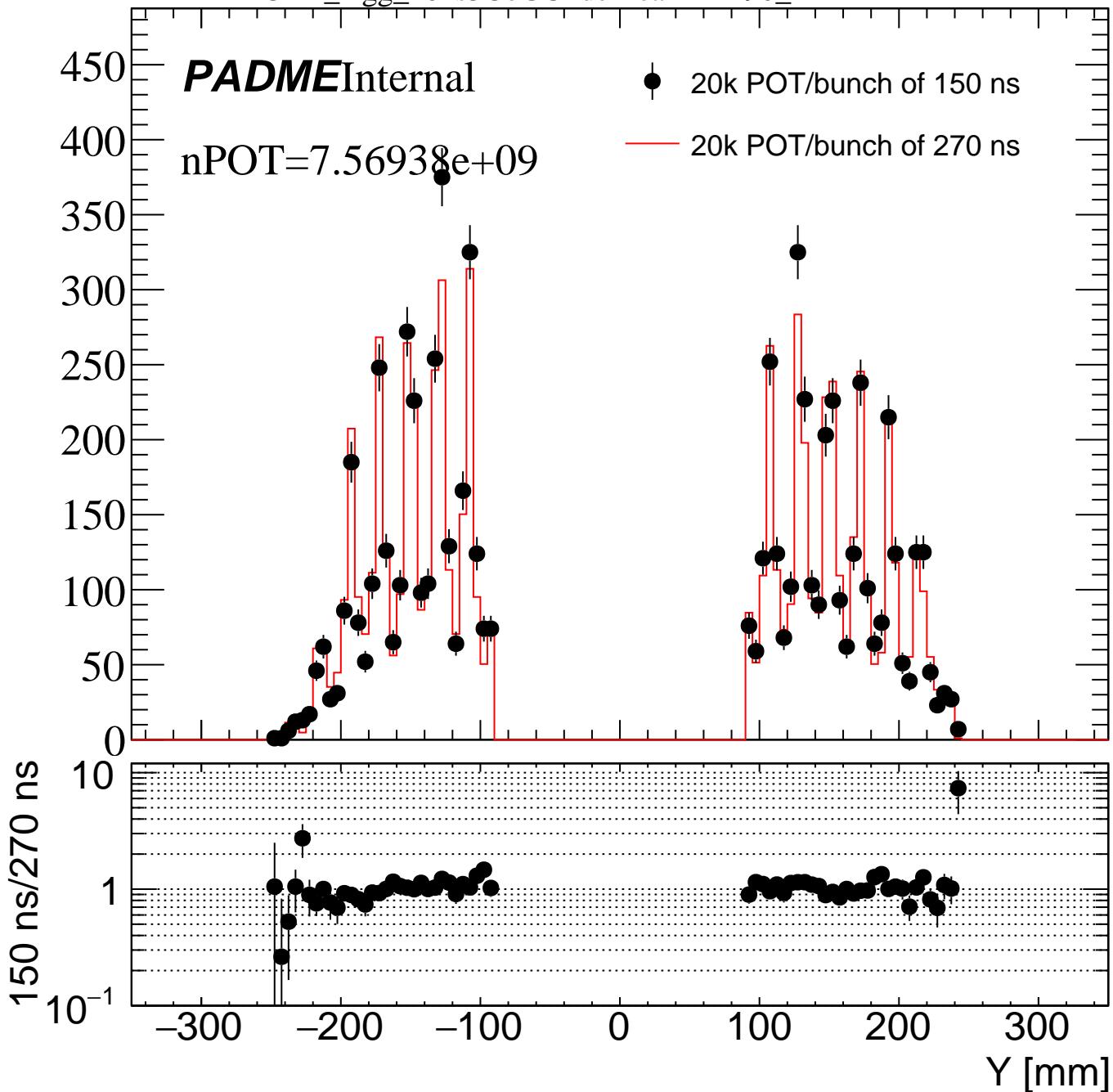




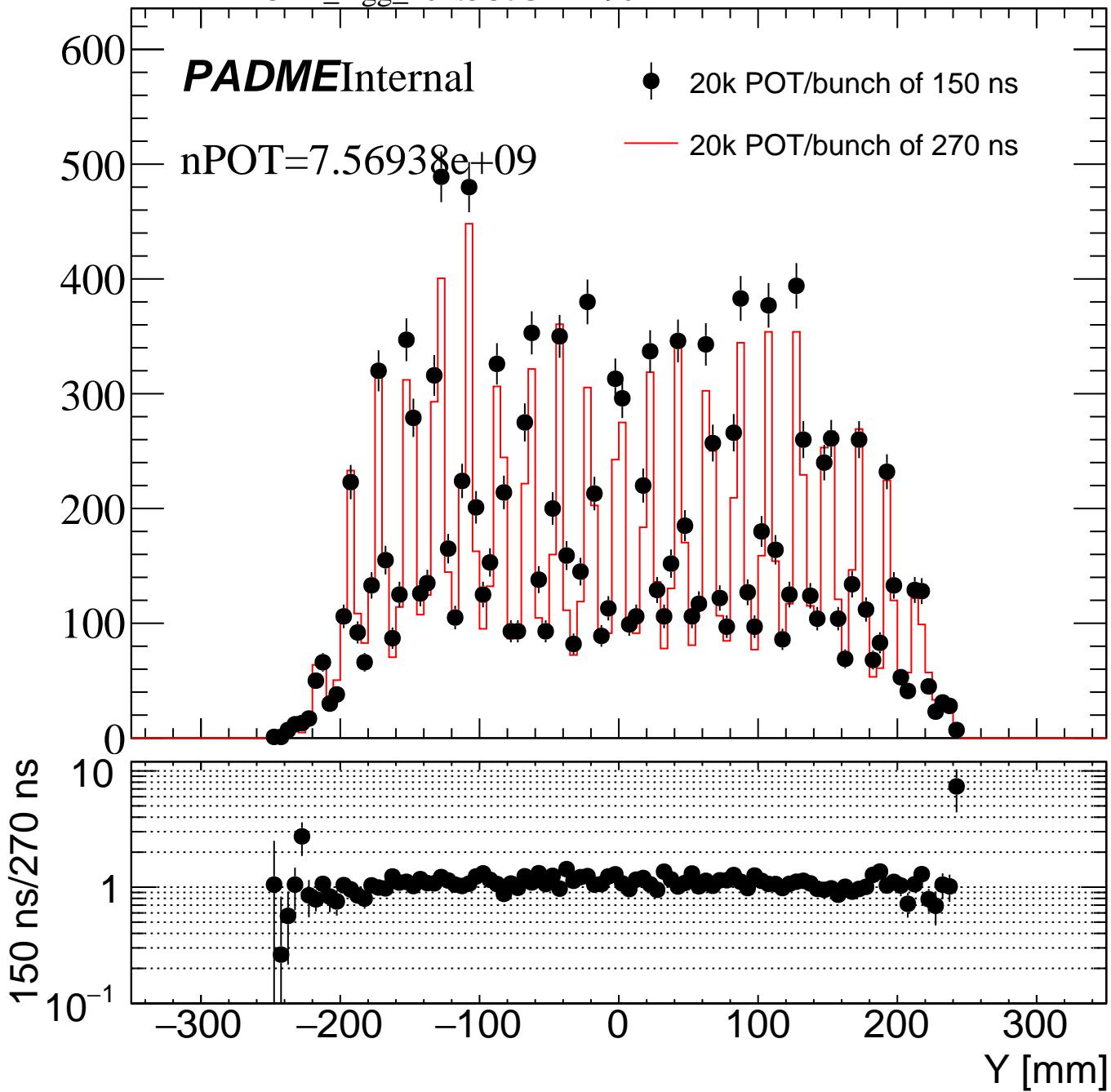
ECAL_Ygg_10ns3CoGUnderPeakETHr90



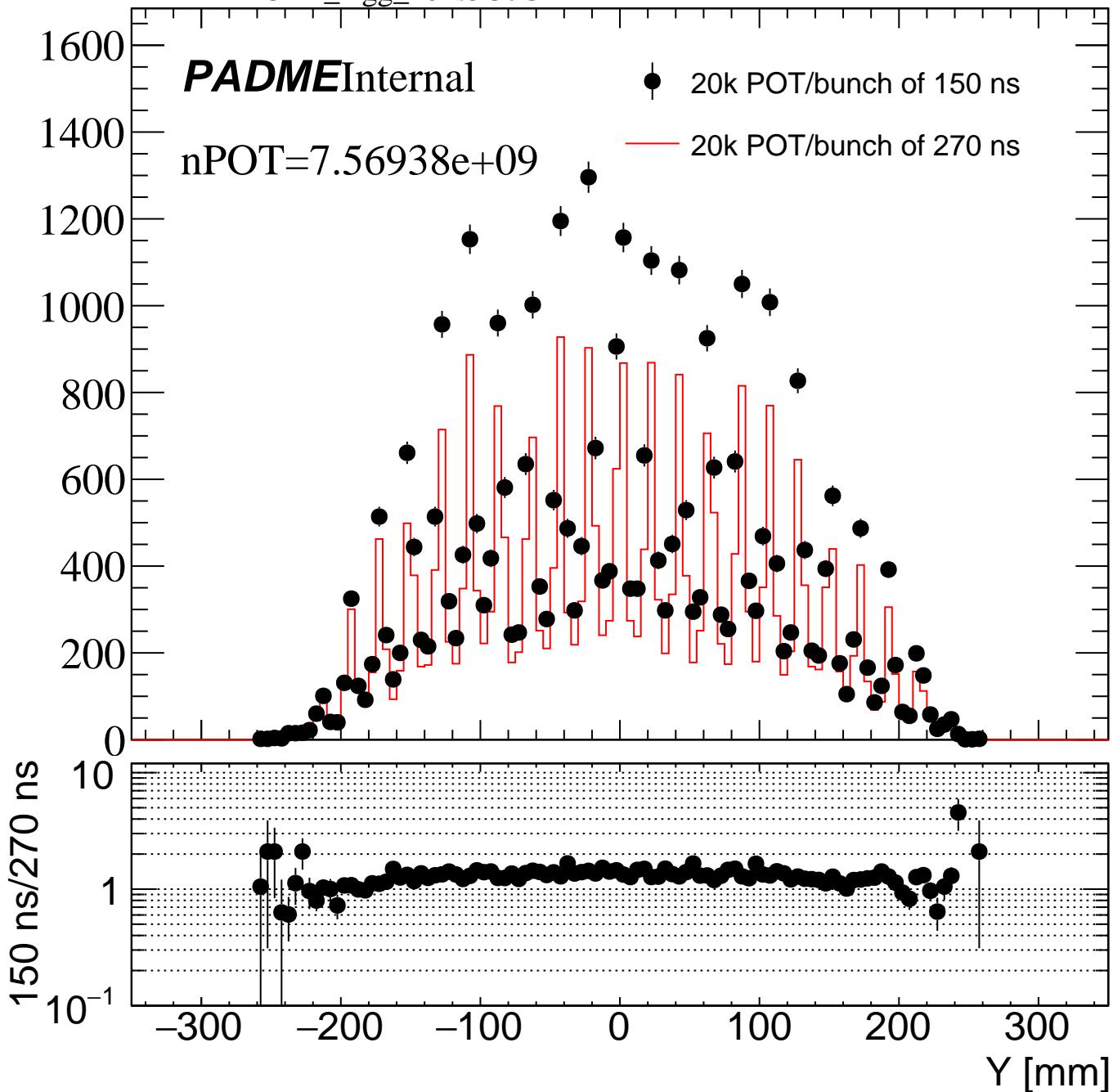
ECAL_Ygg_10ns3CoGUnderPeakEThr90_FRY



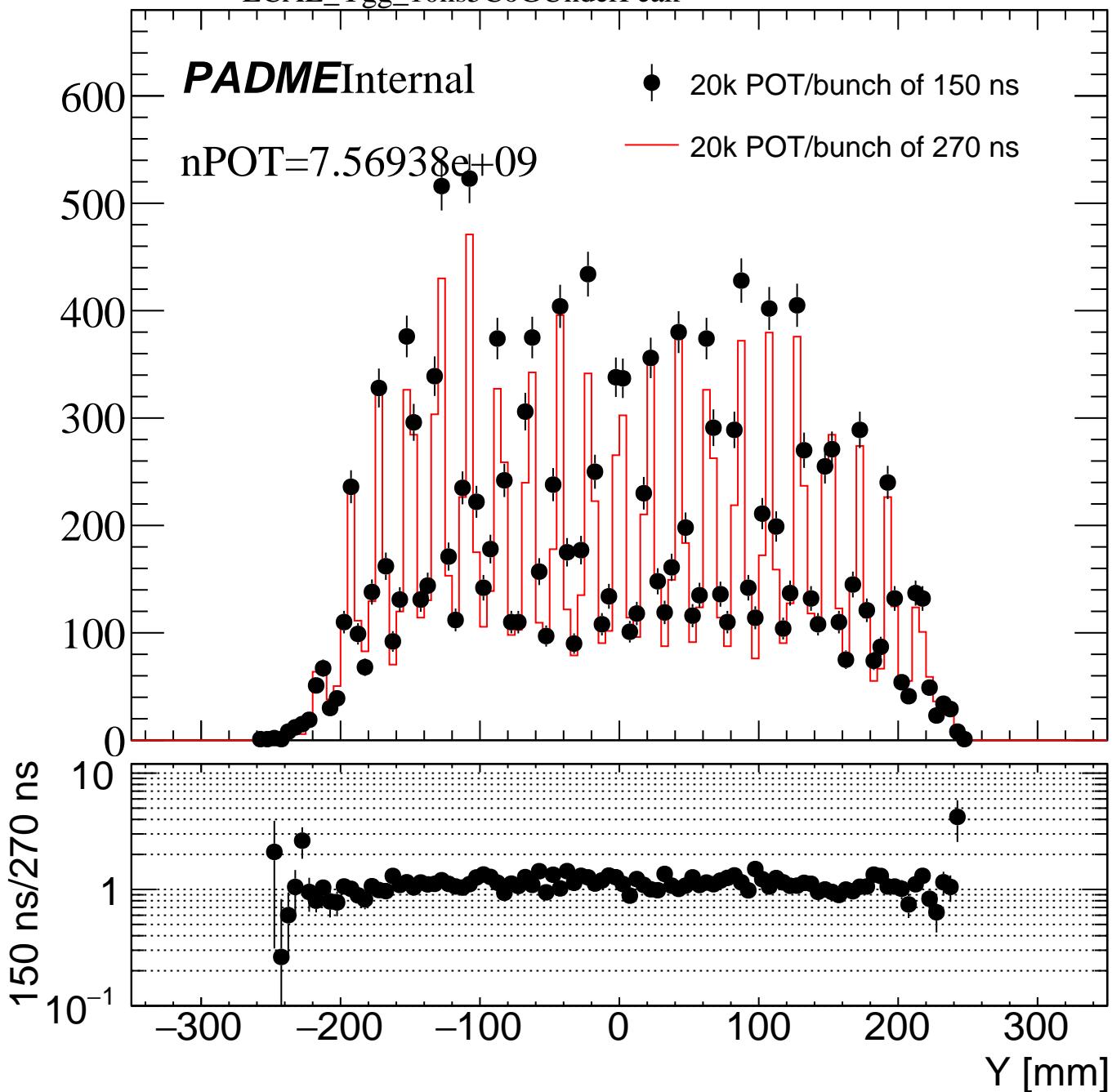
ECAL_Ygg_10ns3CoGEThr90



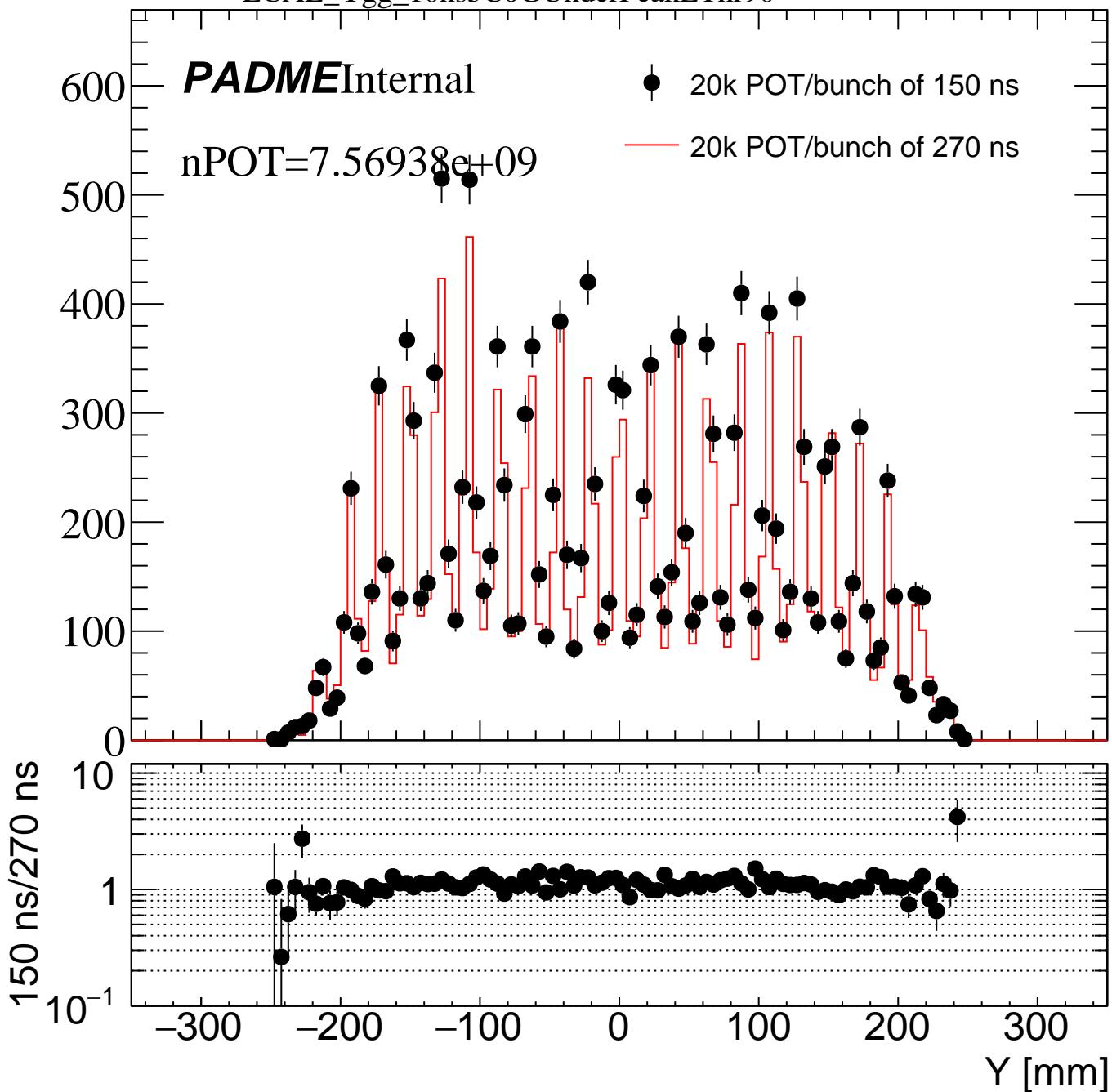
ECAL_Ygg_10ns5CoG



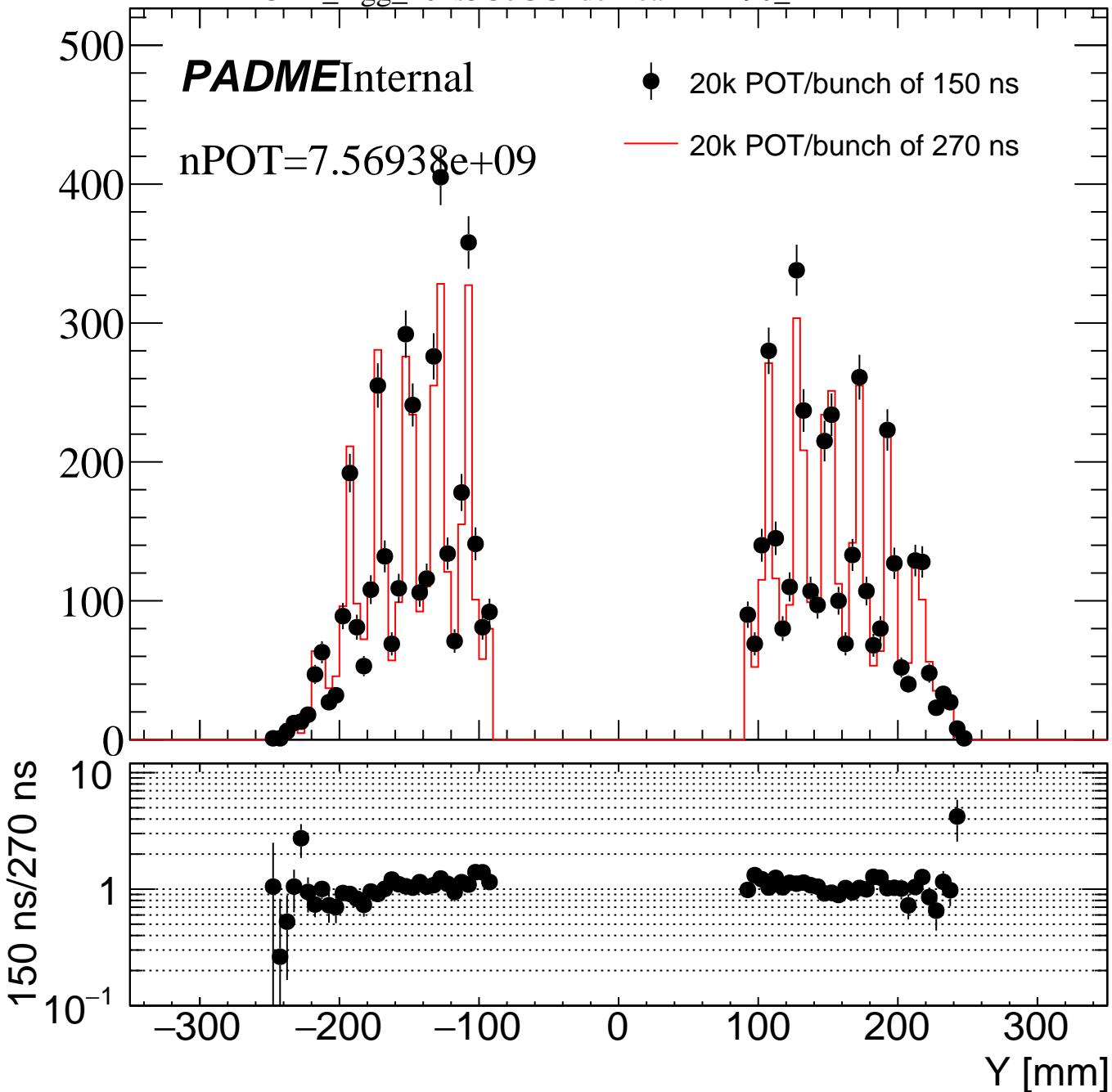
ECAL_Ygg_10ns5CoGUnderPeak



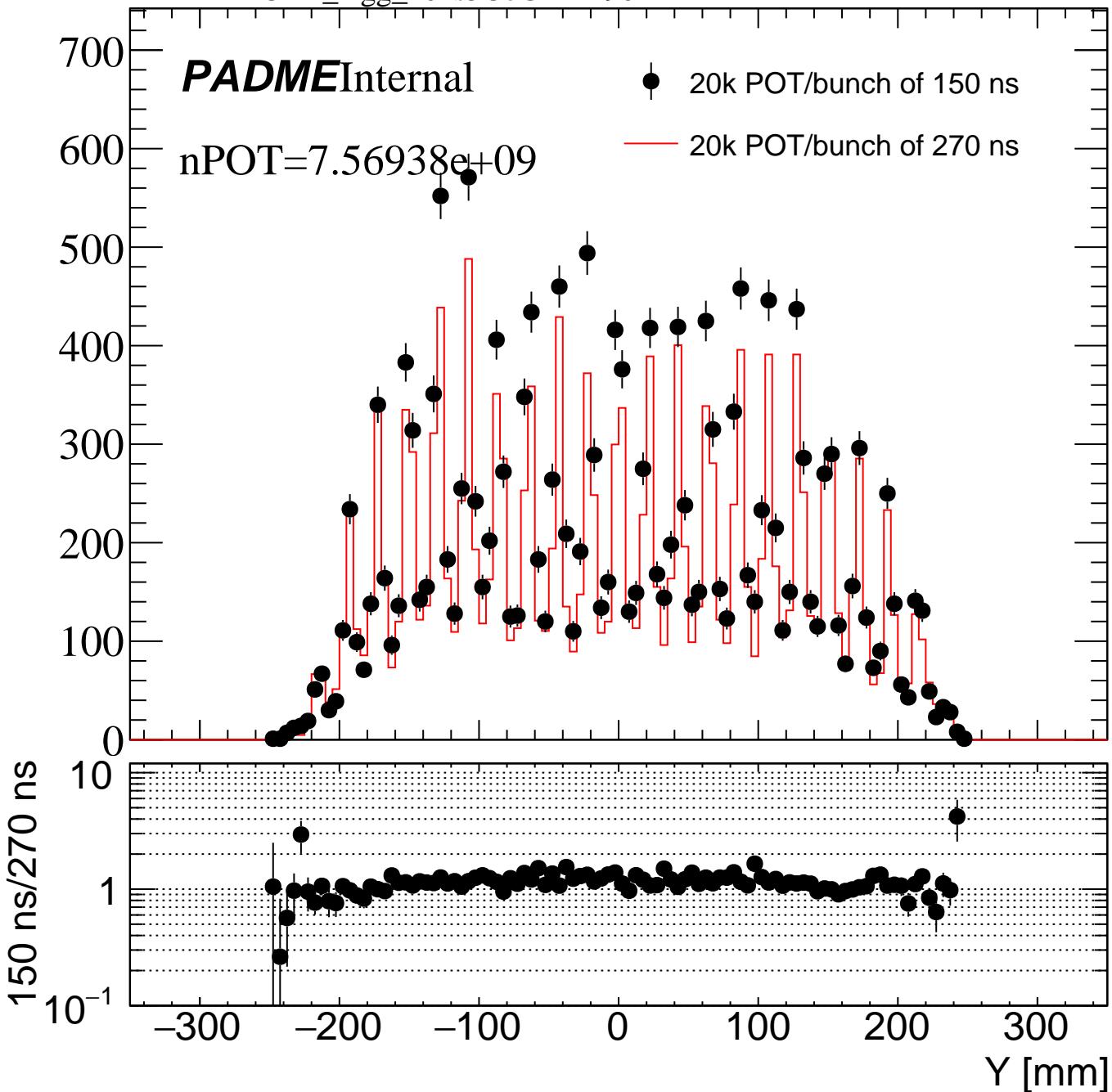
ECAL_Ygg_10ns5CoGUnderPeakEThr90

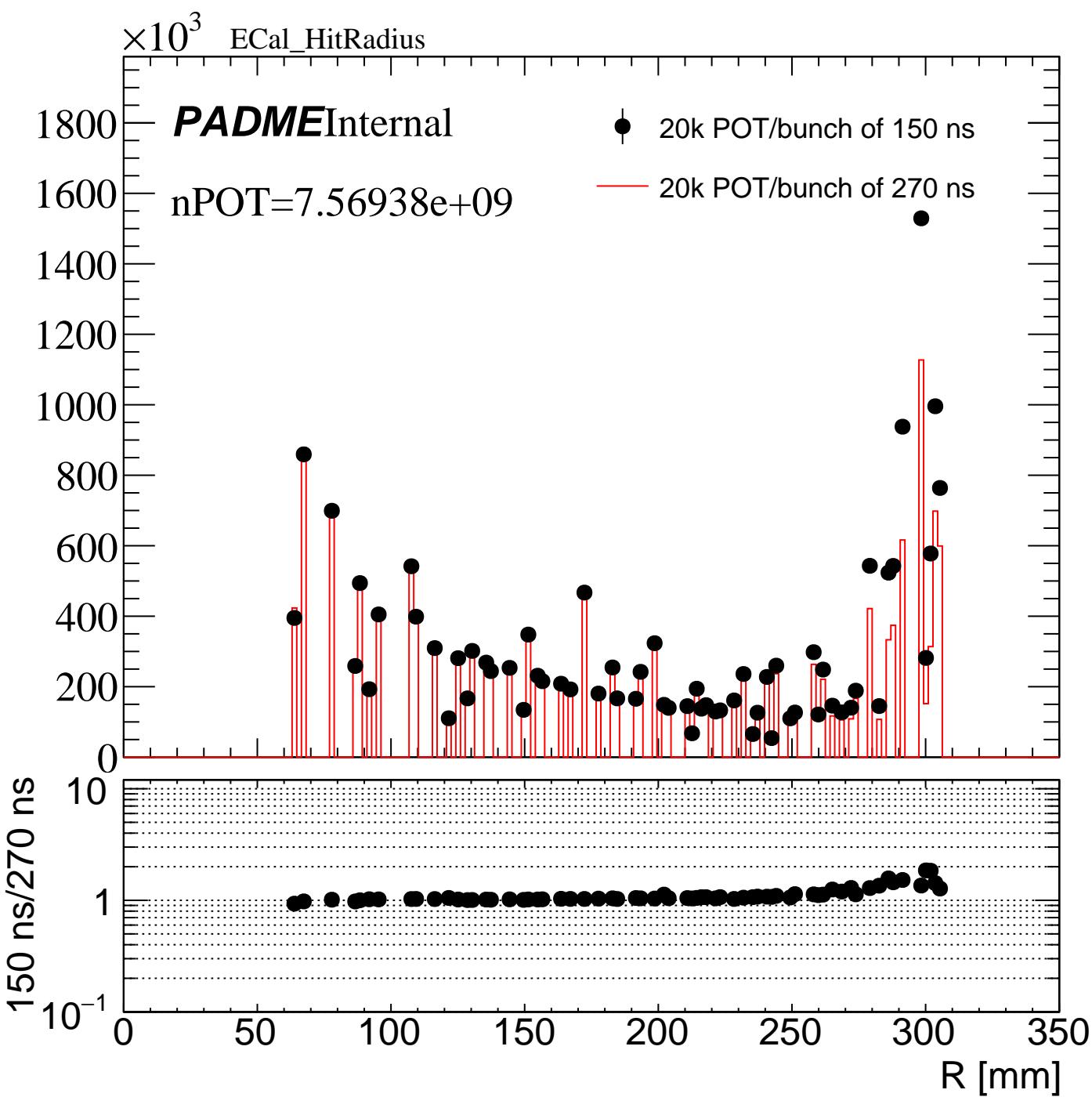


ECAL_Ygg_10ns5CoGUnderPeakEThr90_FRY

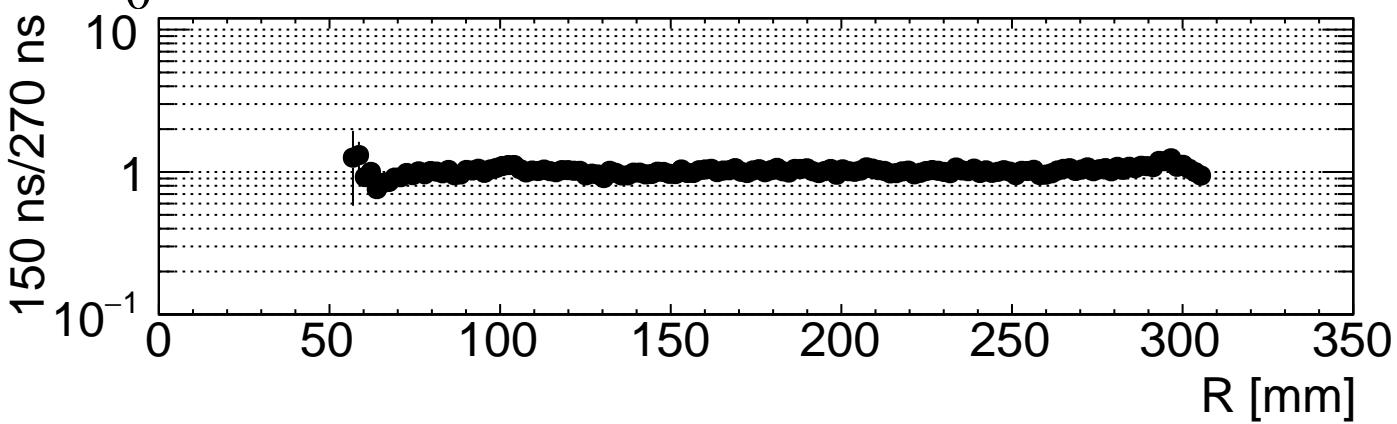
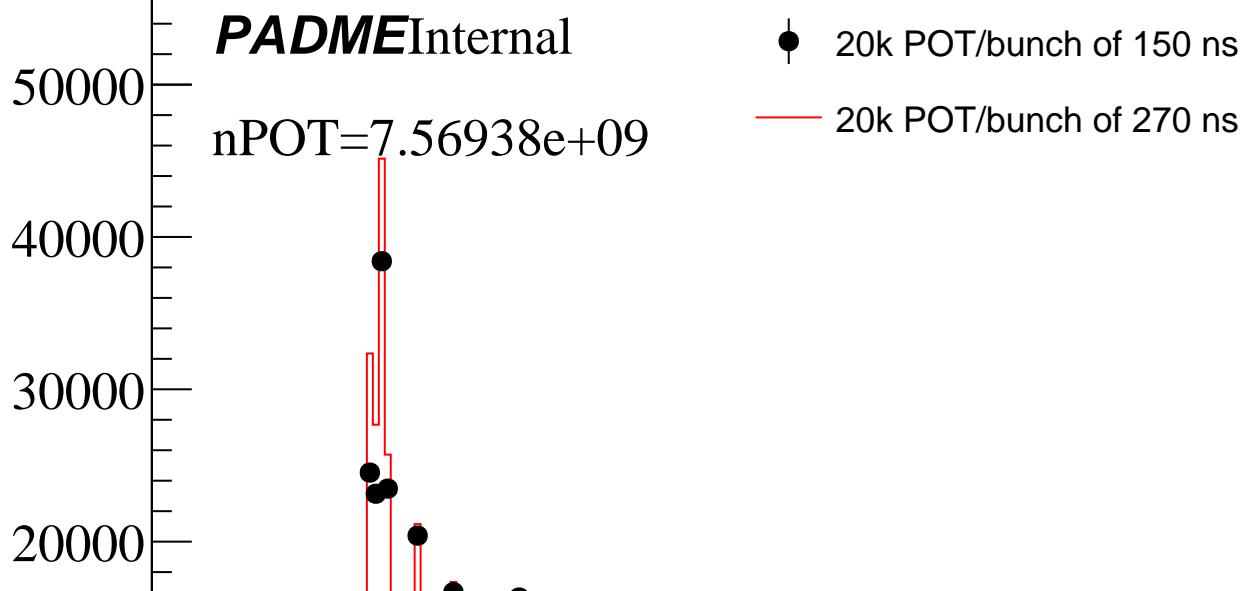


ECAL_Ygg_10ns5CoGEThr90

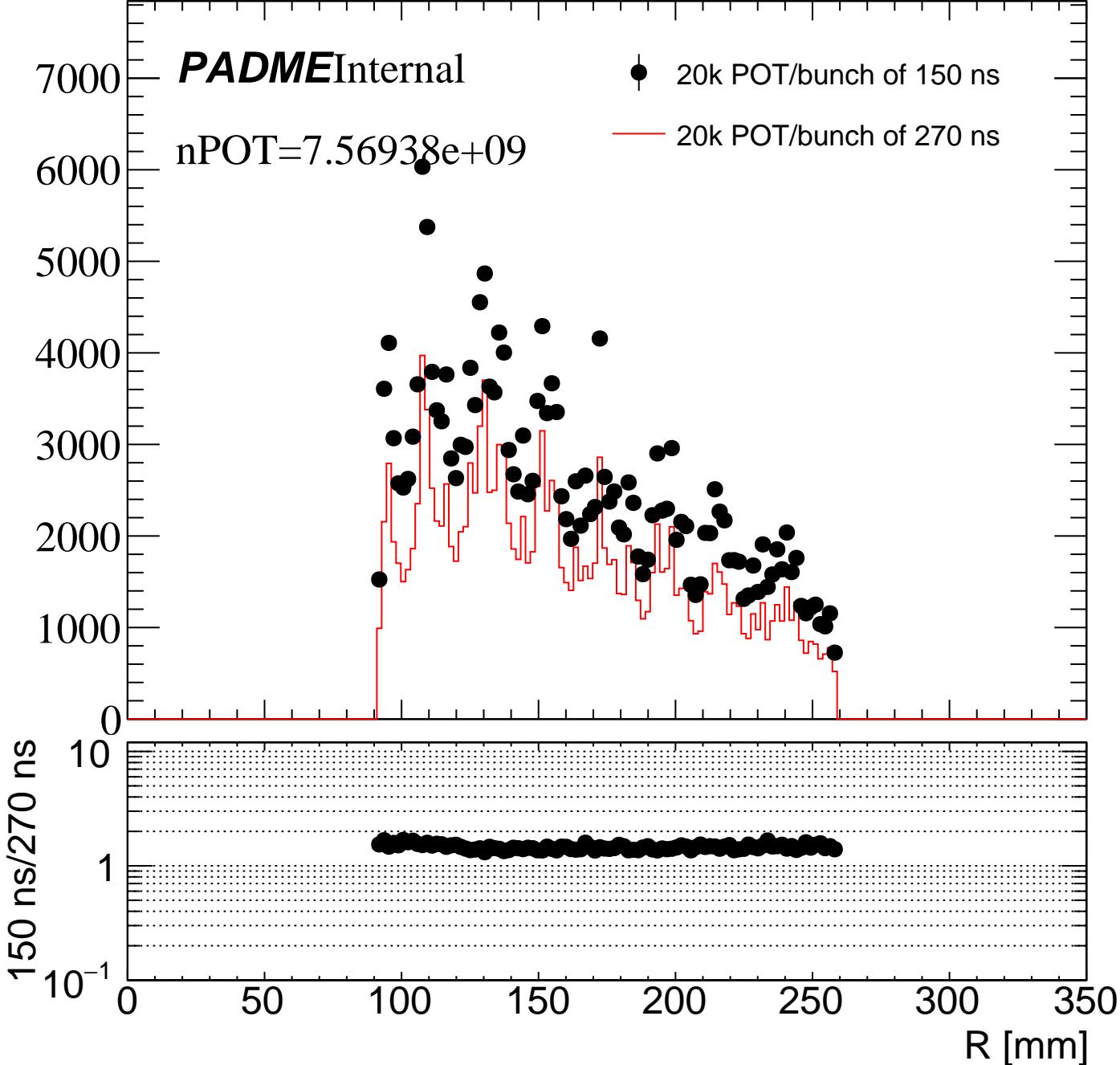




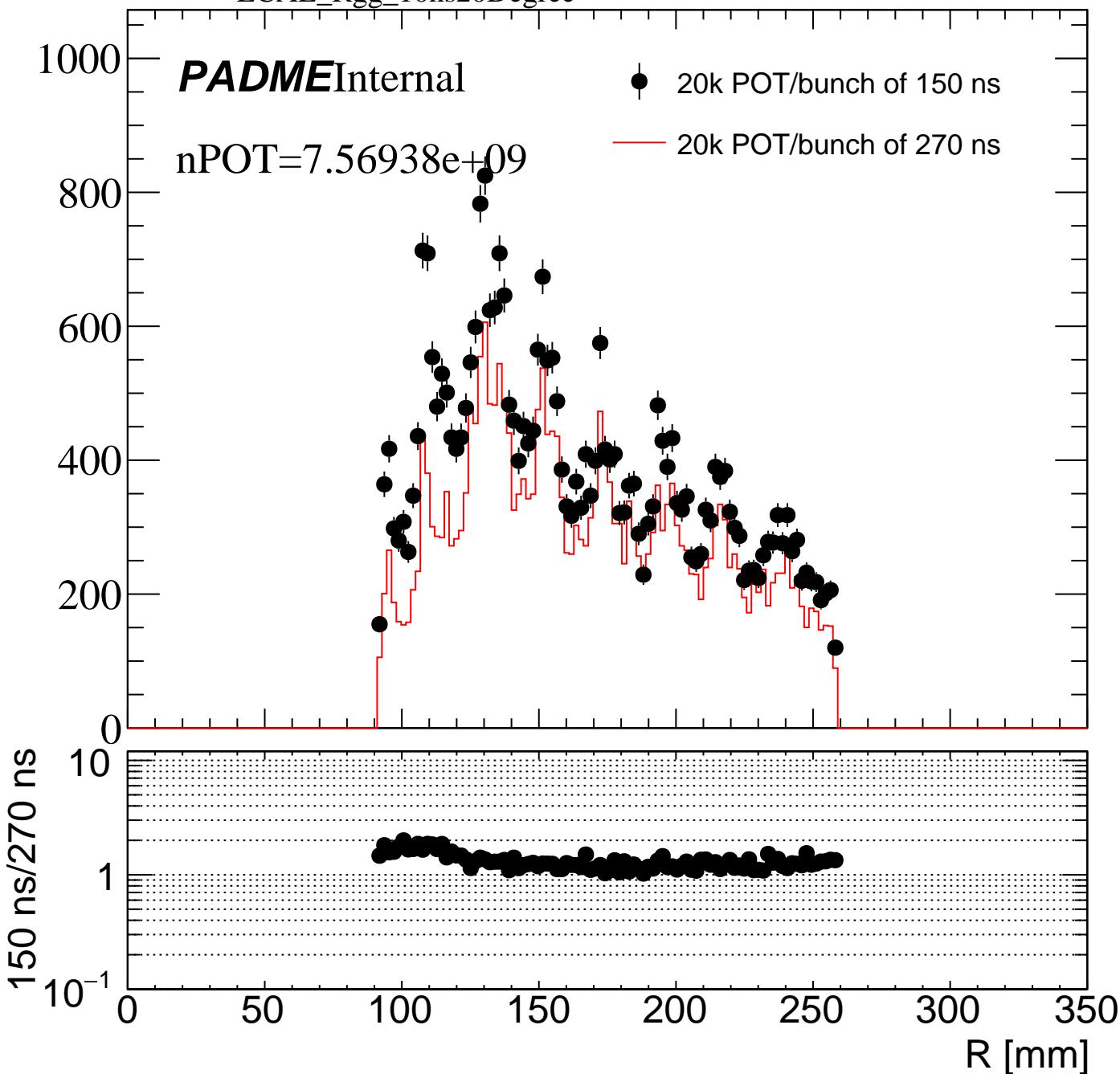
ECAL_RggAllClusters



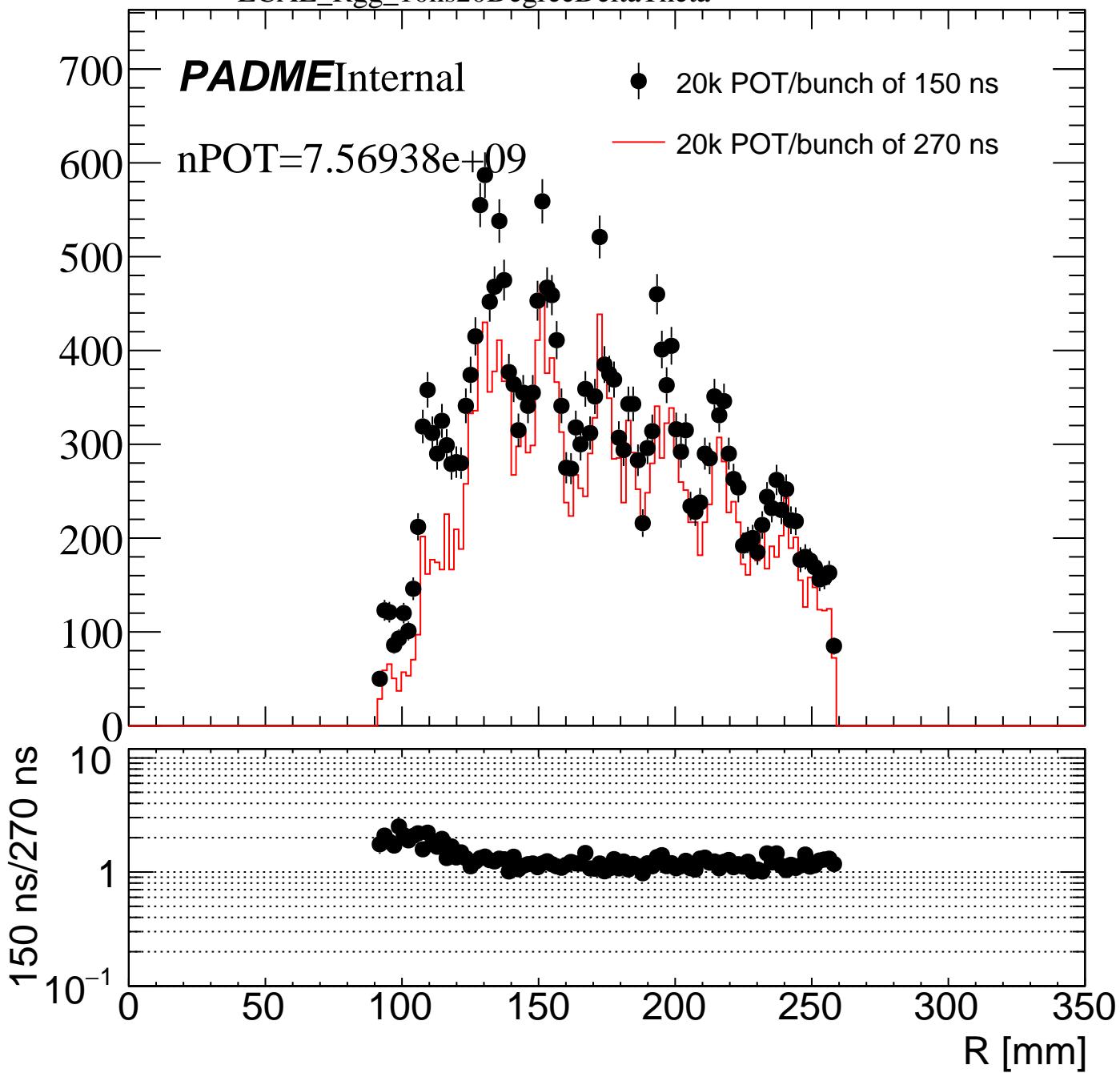
ECAL_Rgg_10ns



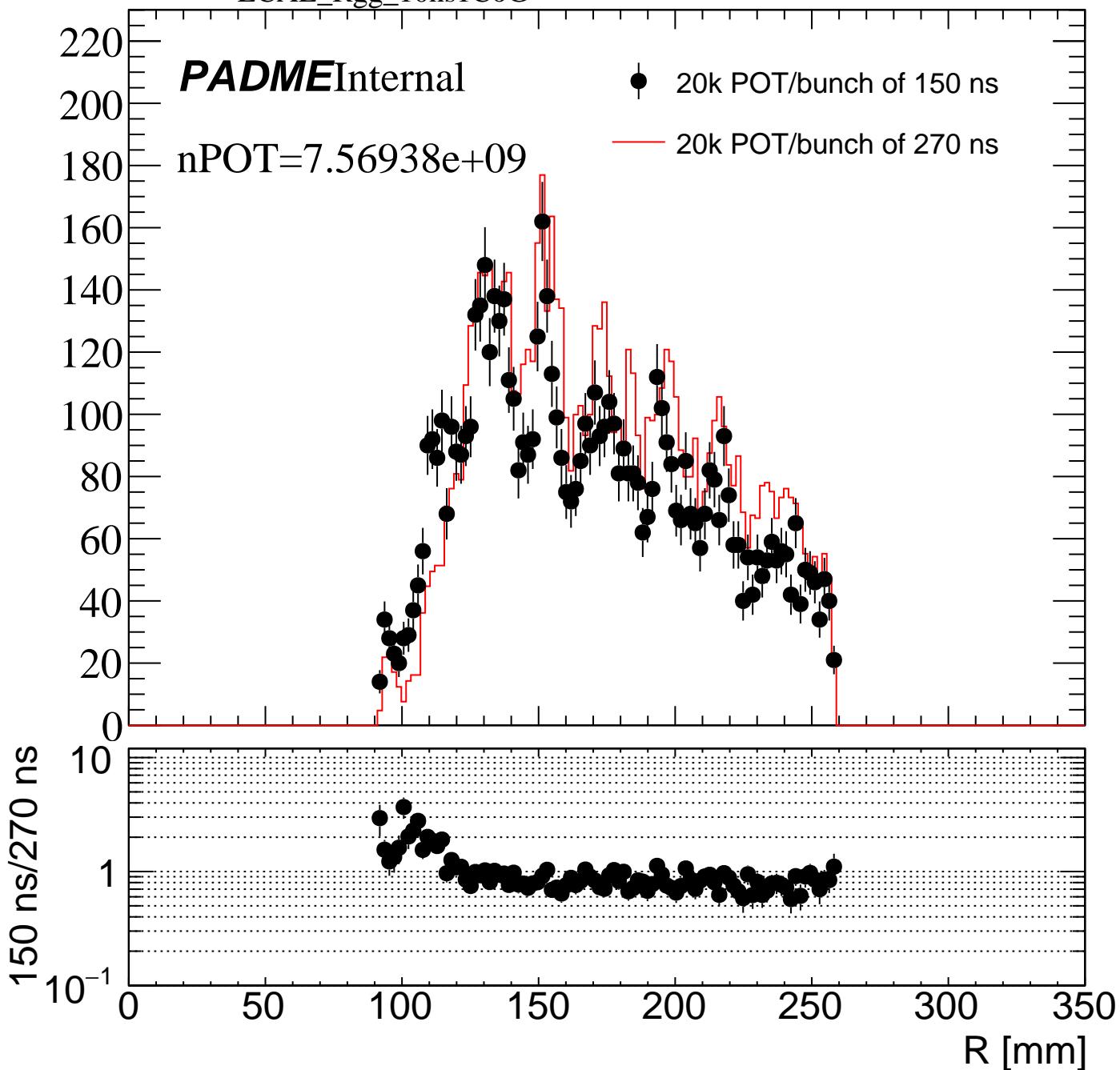
ECAL_Rgg_10ns20Degree



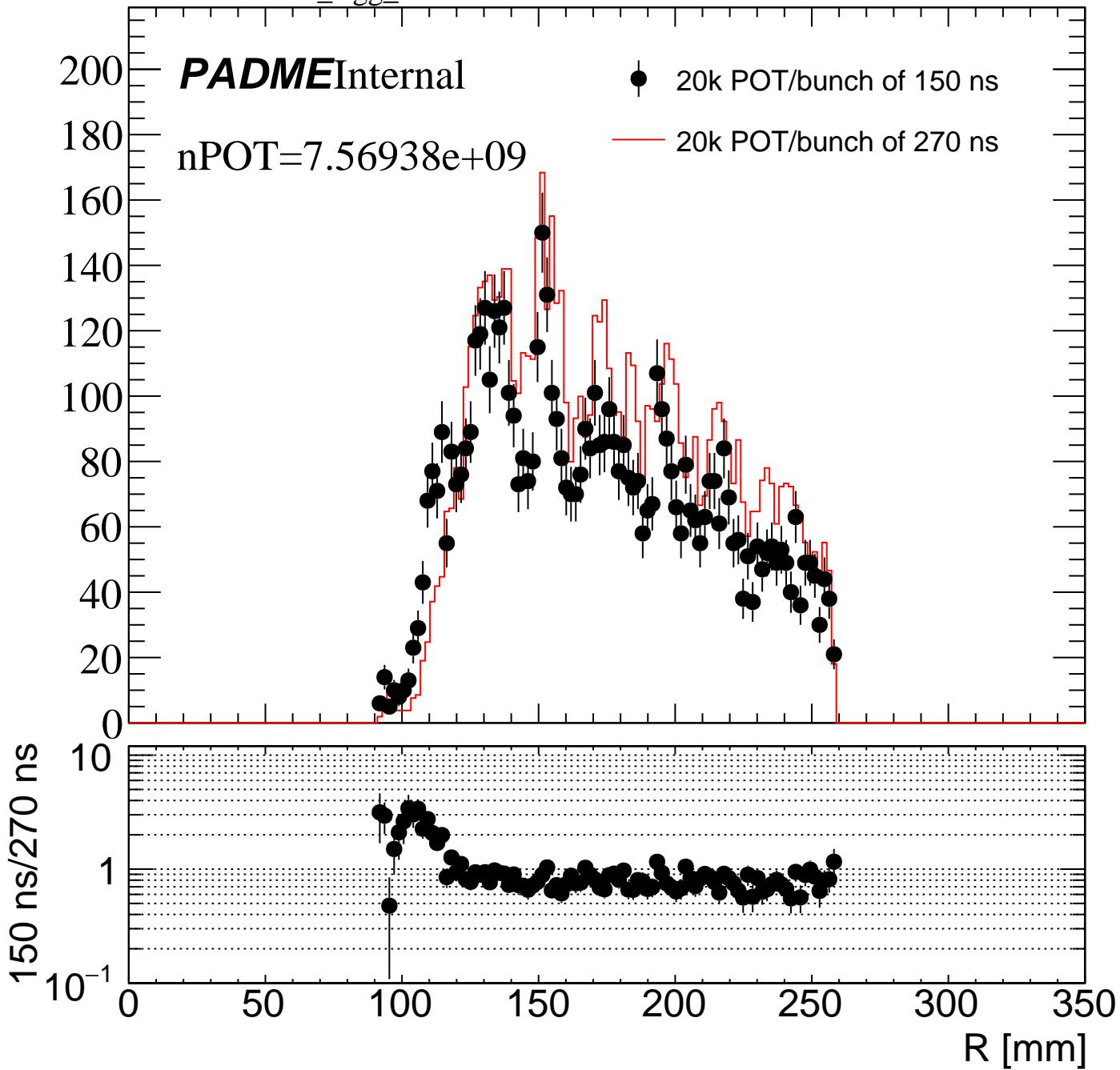
ECAL_Rgg_10ns20DegreeDeltaTheta



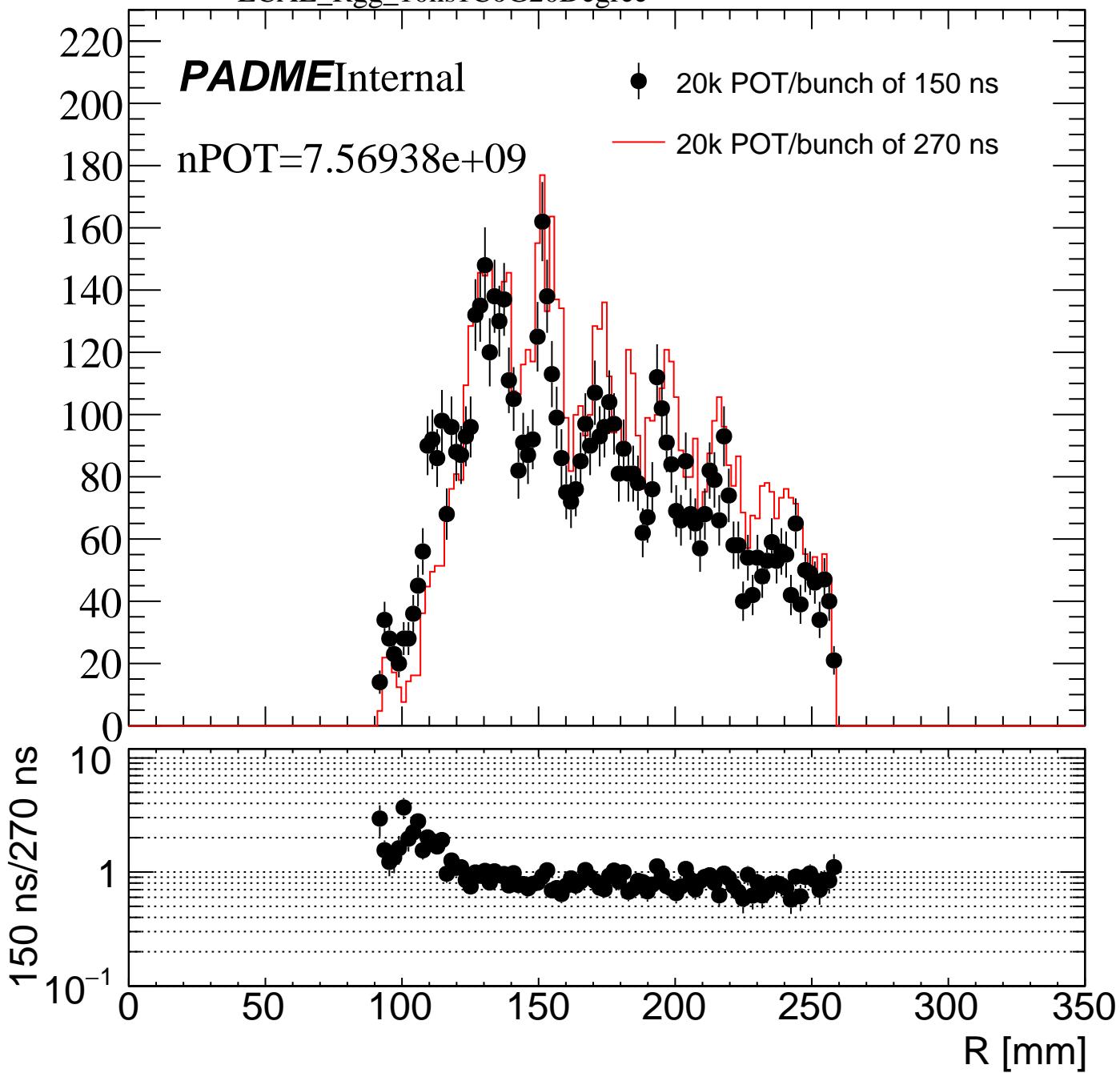
ECAL_Rgg_10ns1CoG

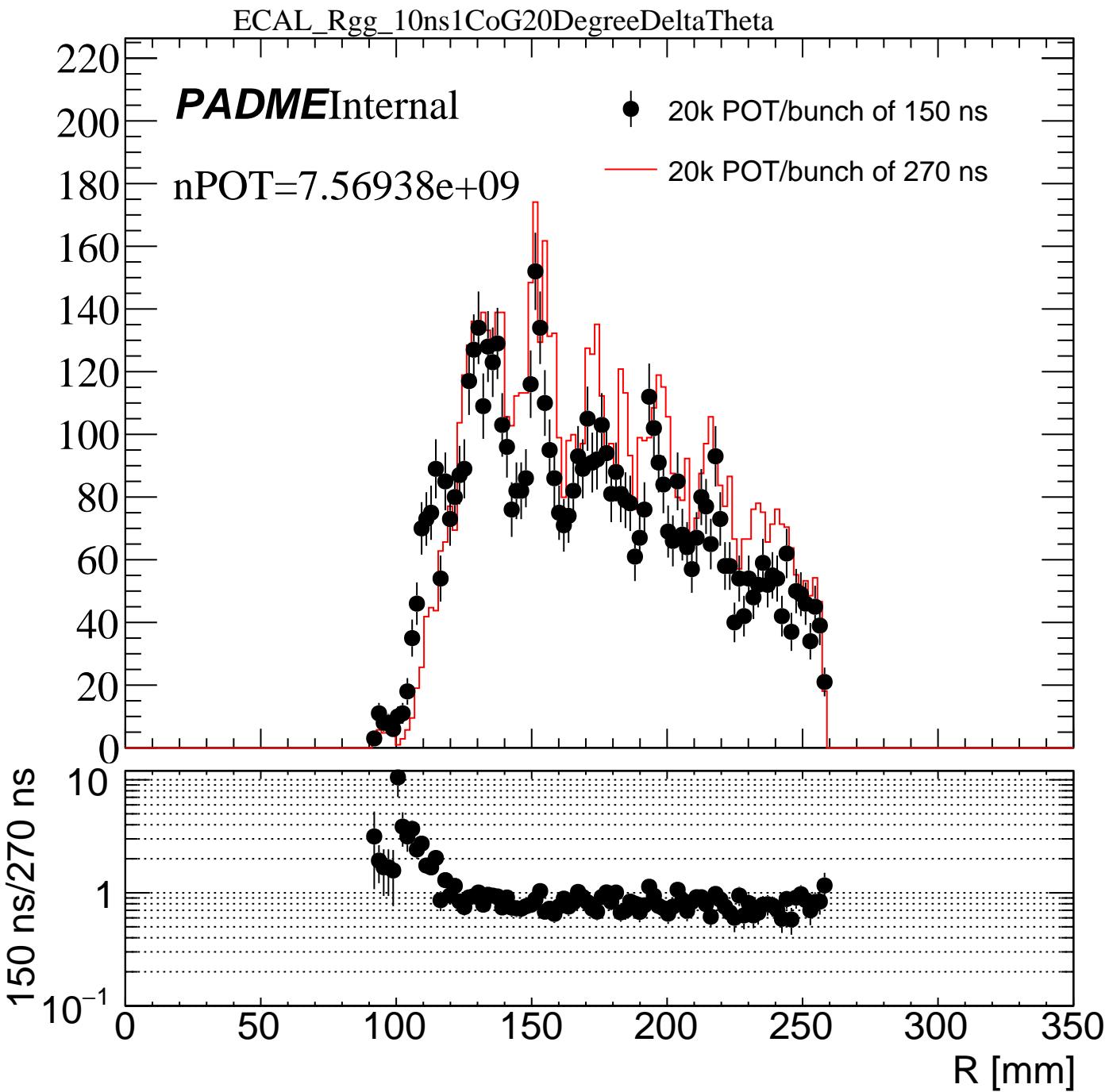


ECAL_Rgg_10ns1CoGEThr90

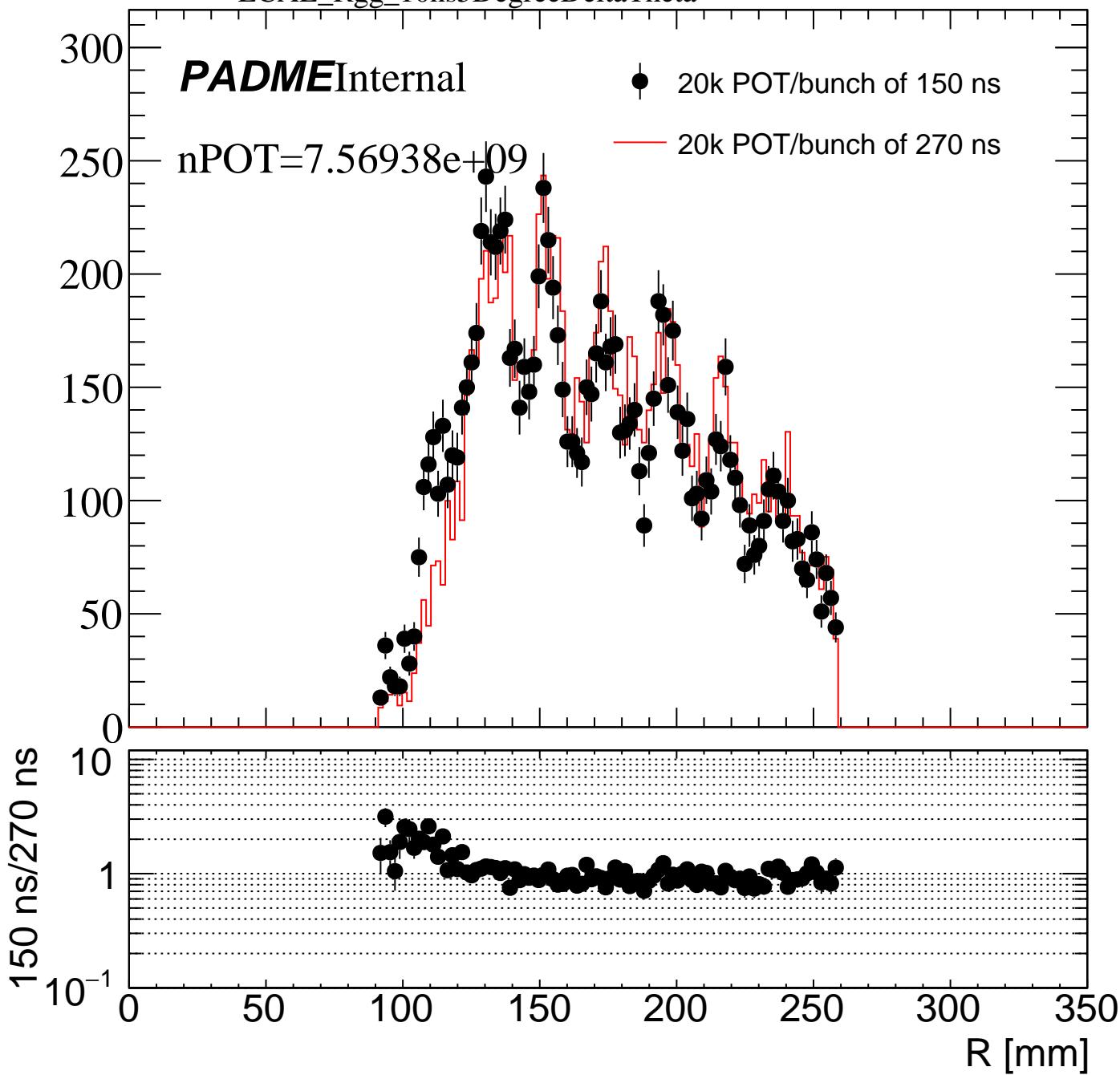


ECAL_Rgg_10ns1CoG20Degree

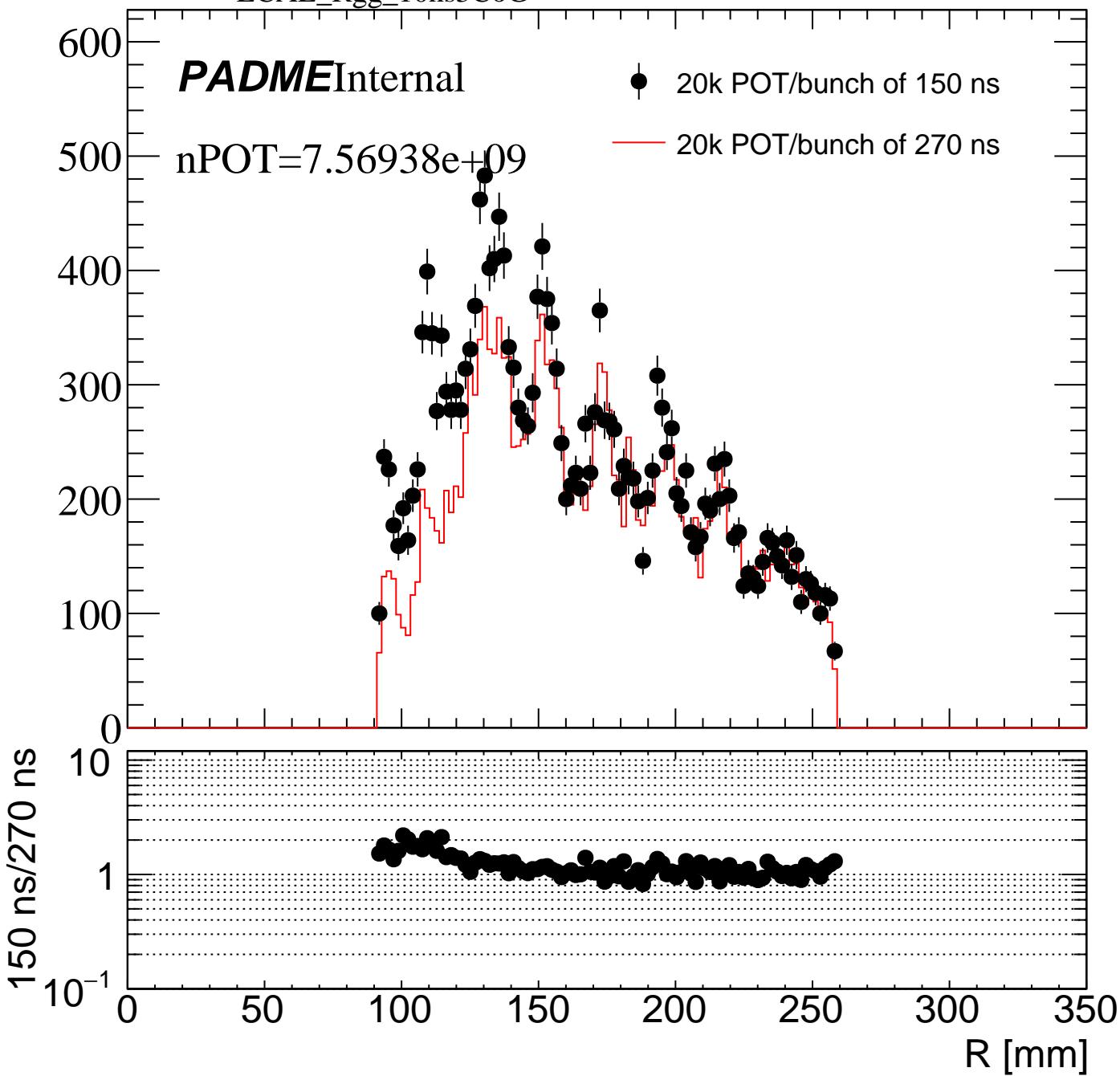




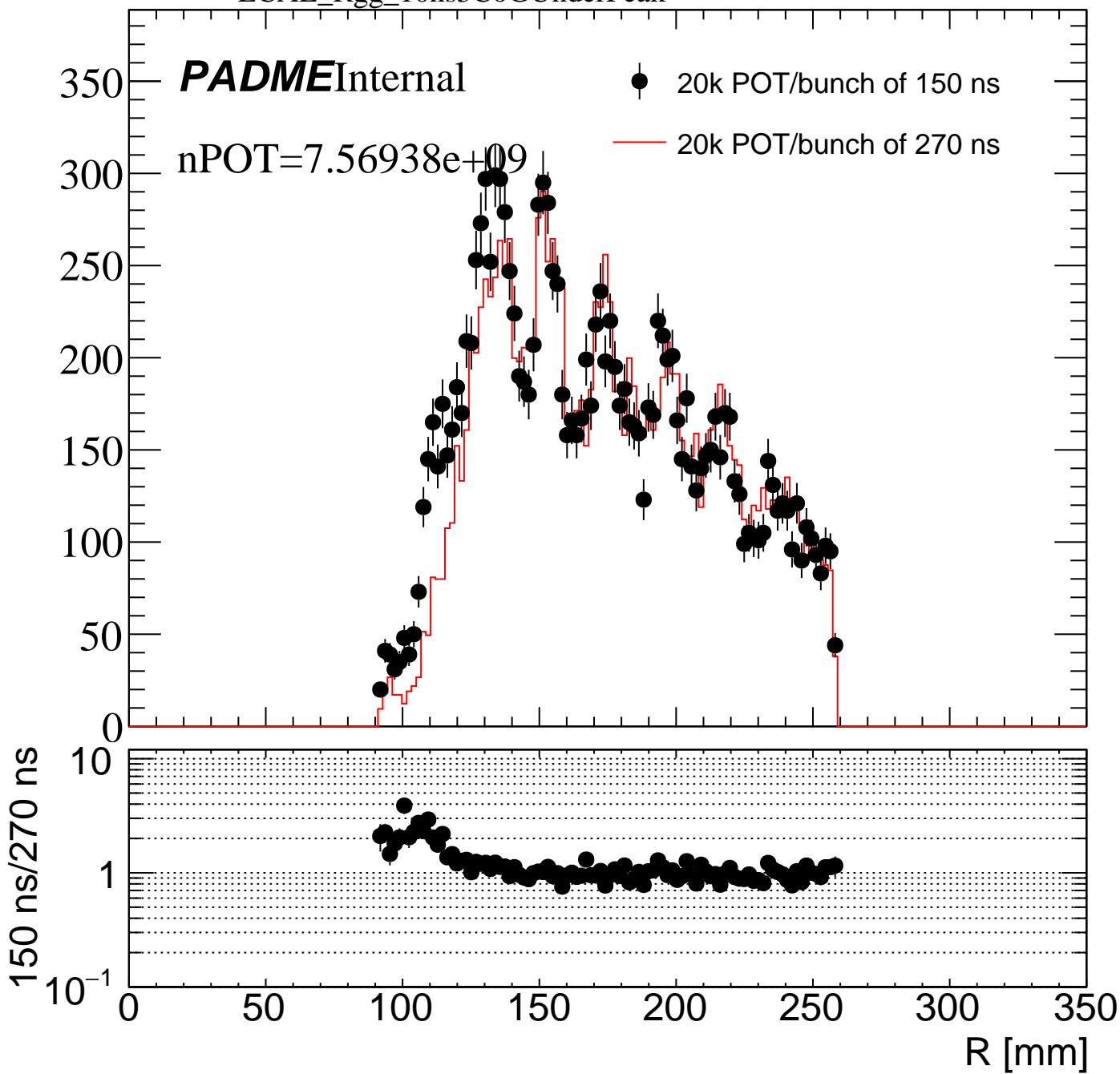
ECAL_Rgg_10ns5DegreeDeltaTheta



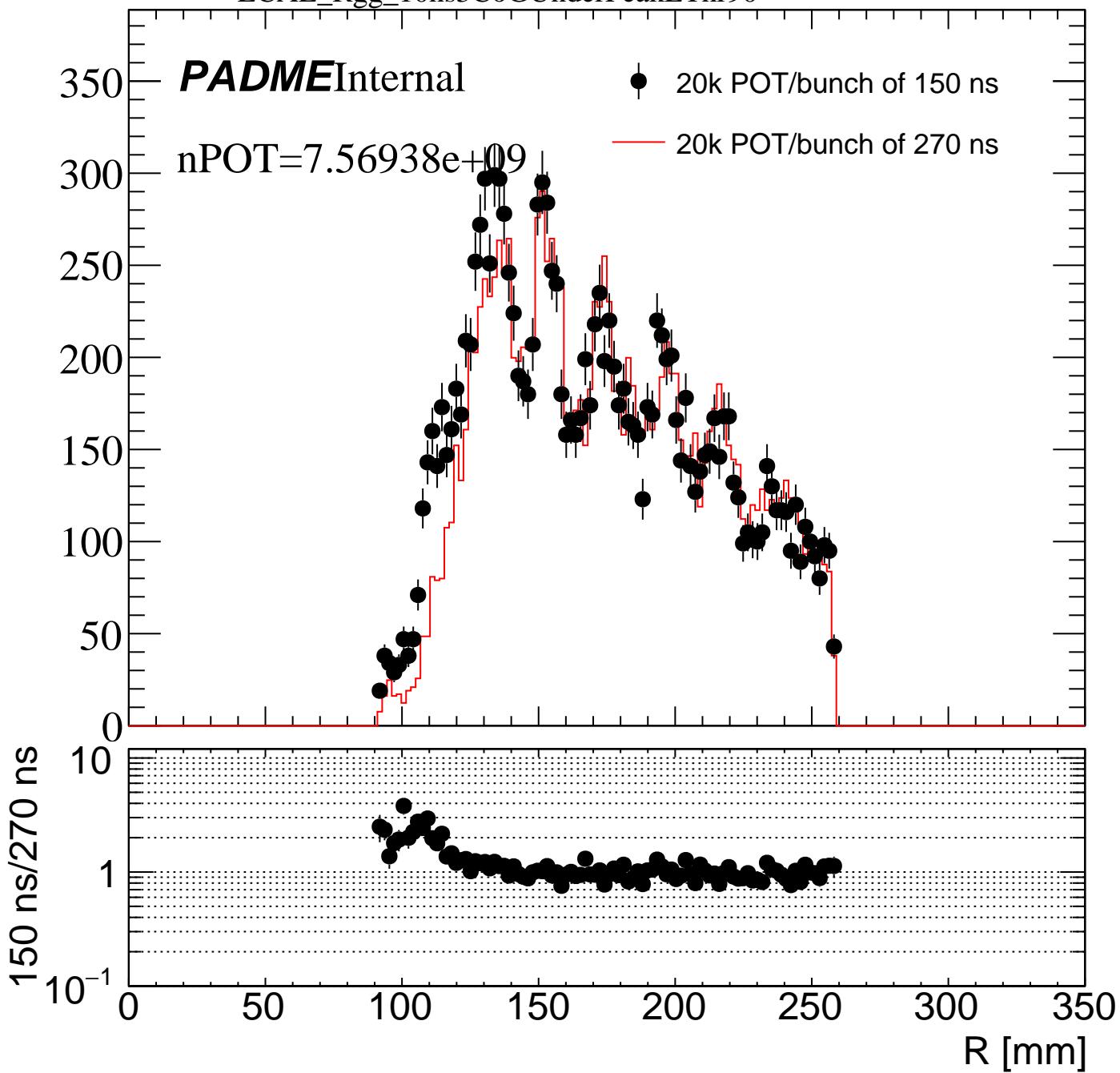
ECAL_Rgg_10ns3CoG



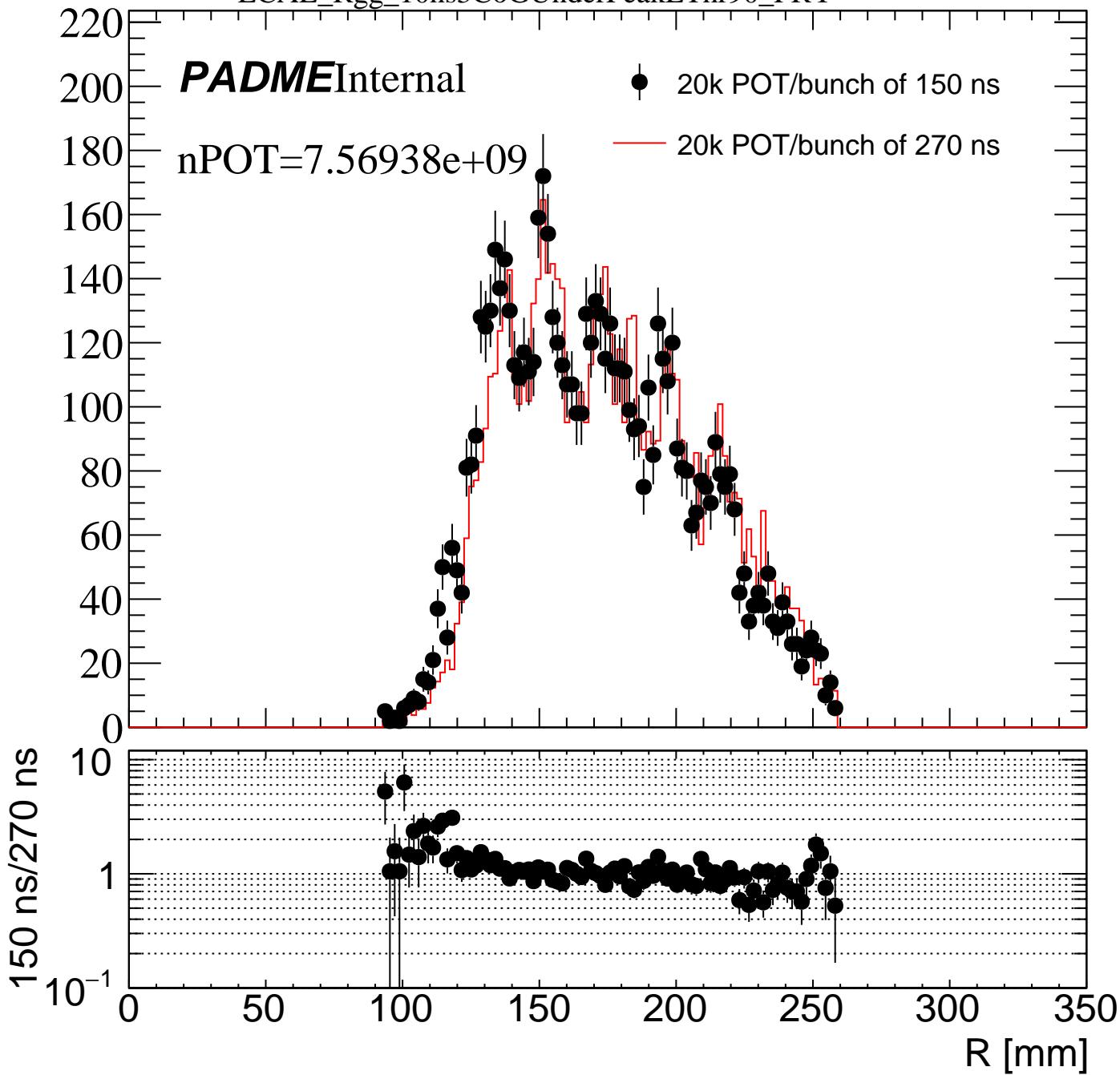
ECAL_Rgg_10ns3CoGUnderPeak



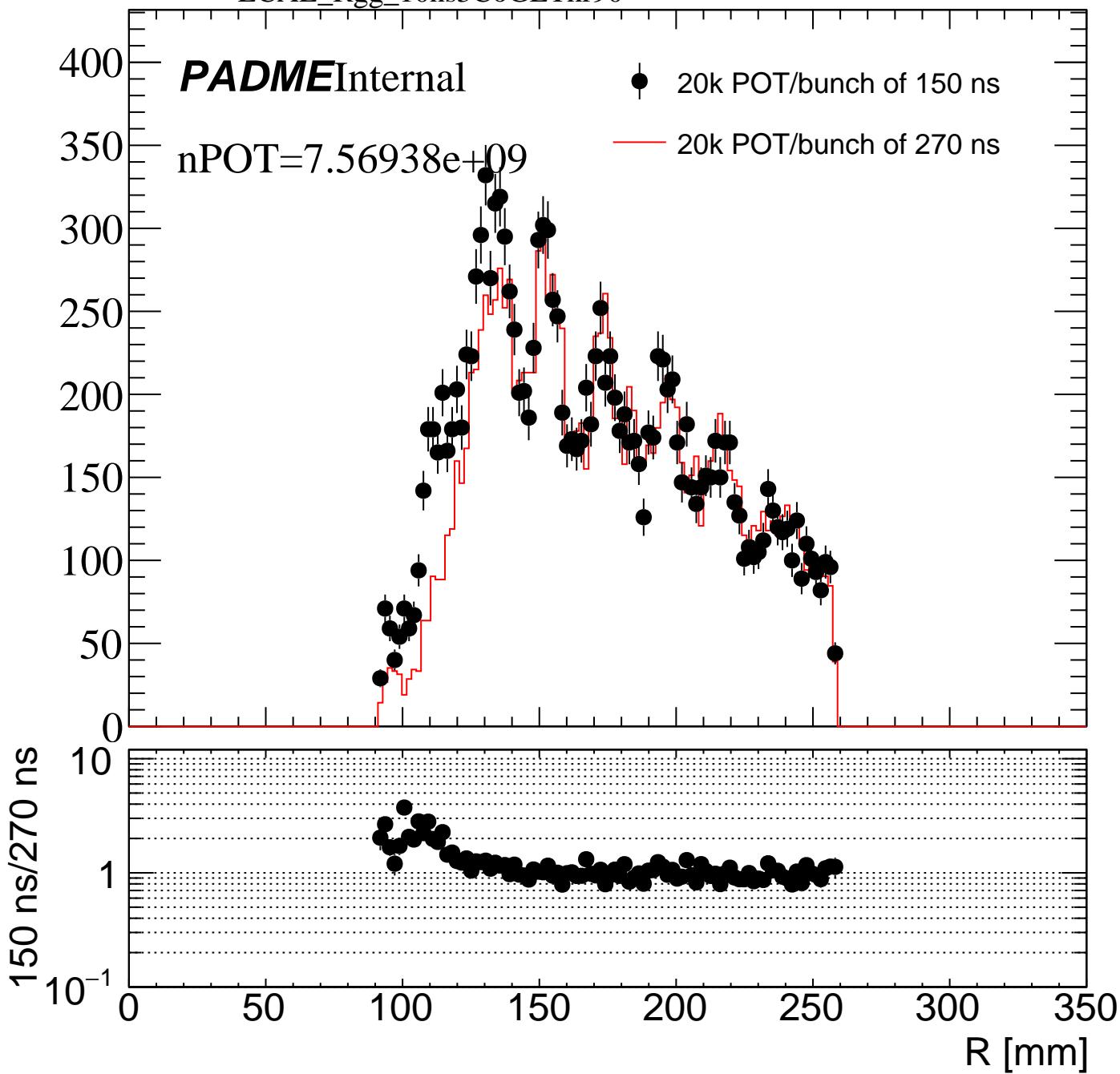
ECAL_Rgg_10ns3CoGUnderPeakEThr90



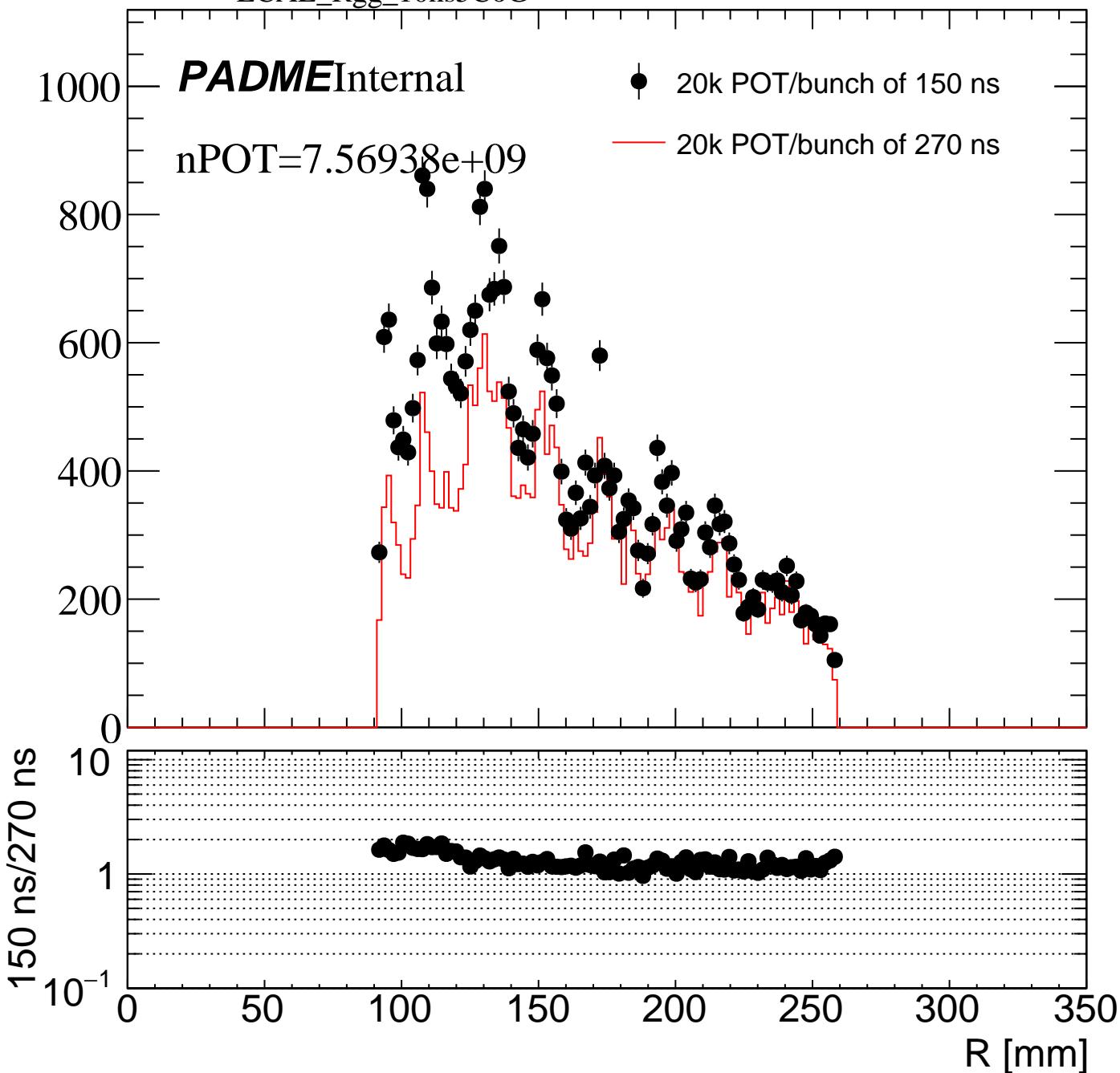
ECAL_Rgg_10ns3CoGUnderPeakEThr90_FRY



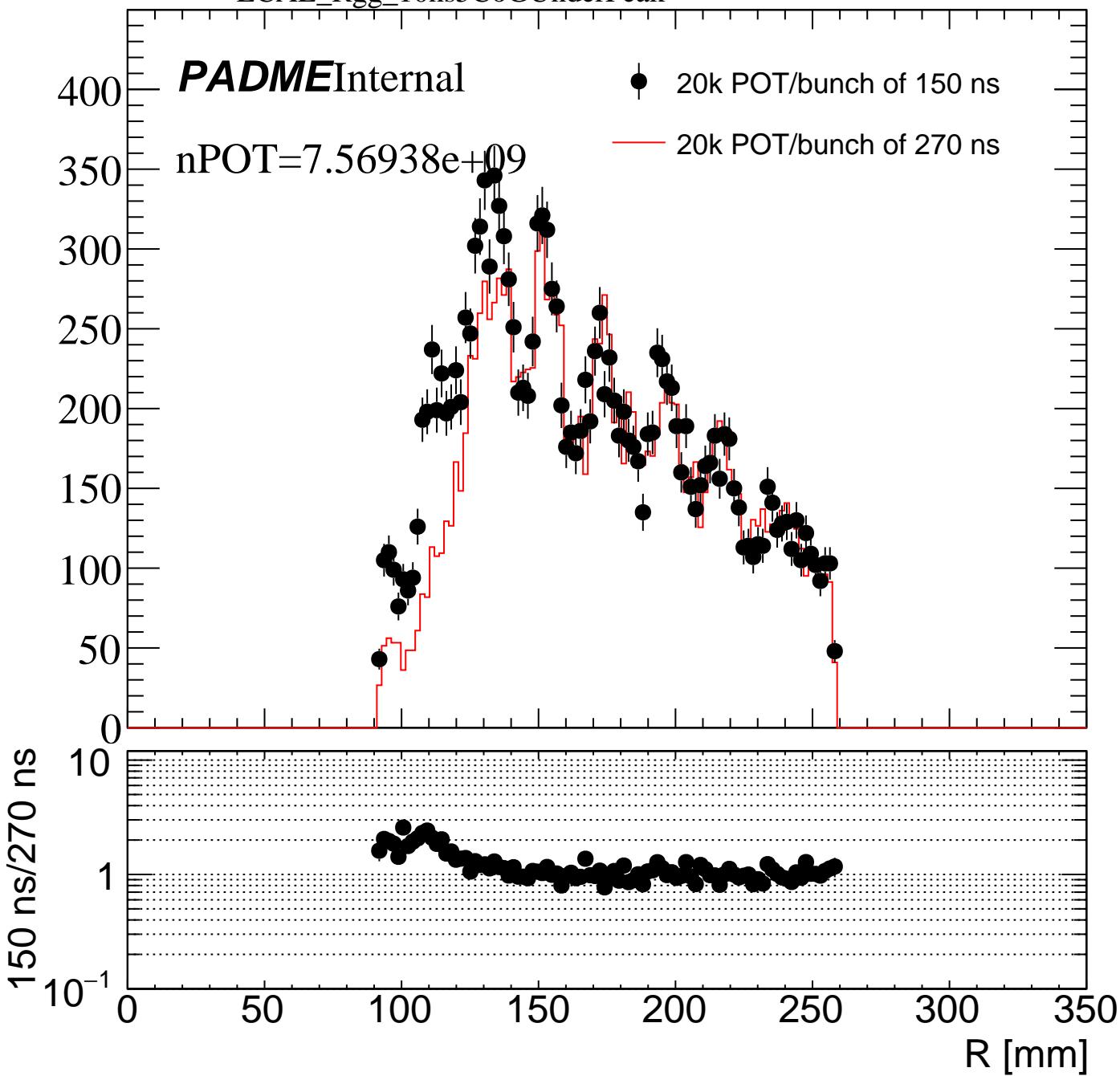
ECAL_Rgg_10ns3CoGEThr90



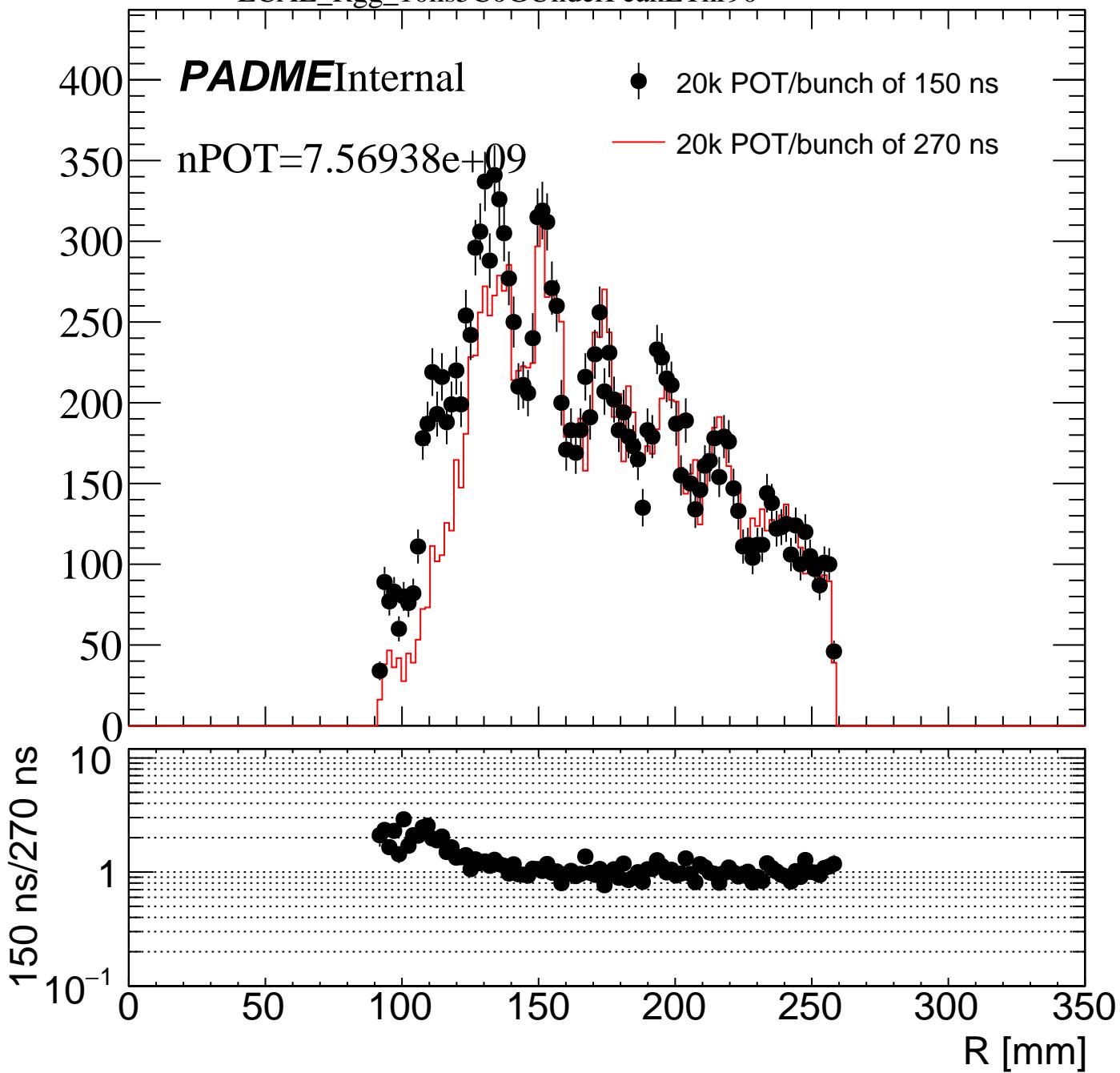
ECAL_Rgg_10ns5CoG



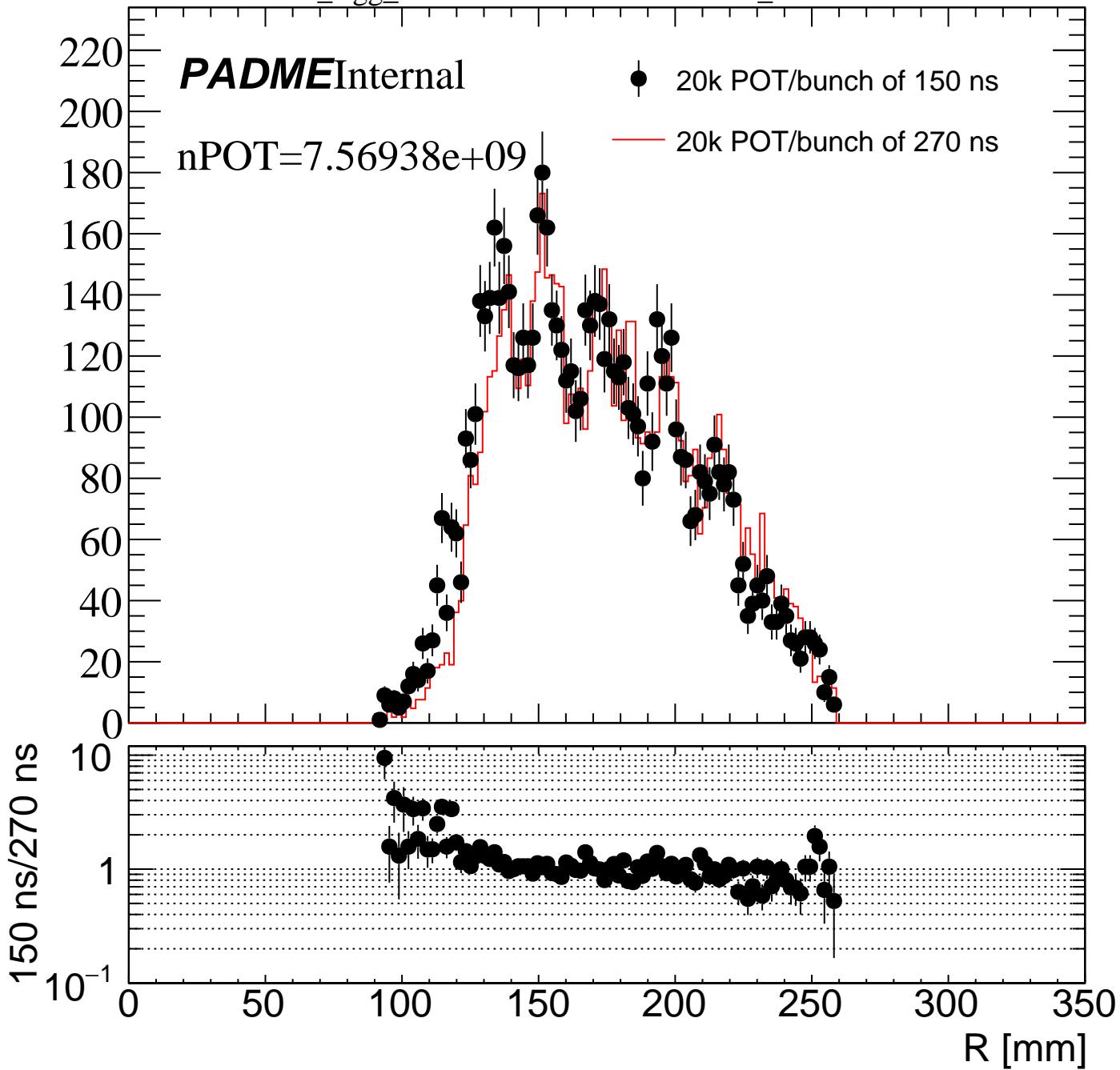
ECAL_Rgg_10ns5CoGUnderPeak



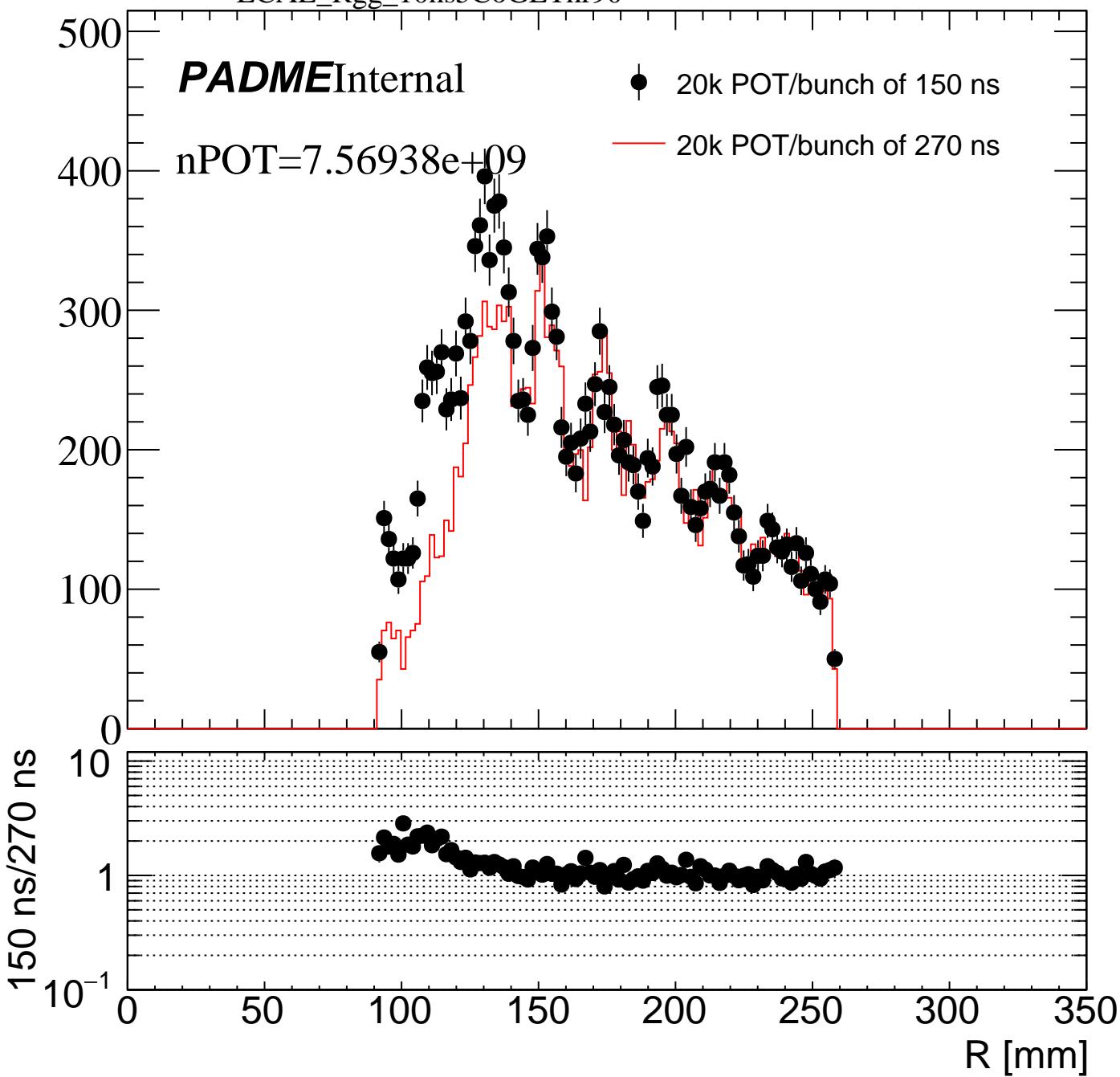
ECAL_Rgg_10ns5CoGUnderPeakEThr90



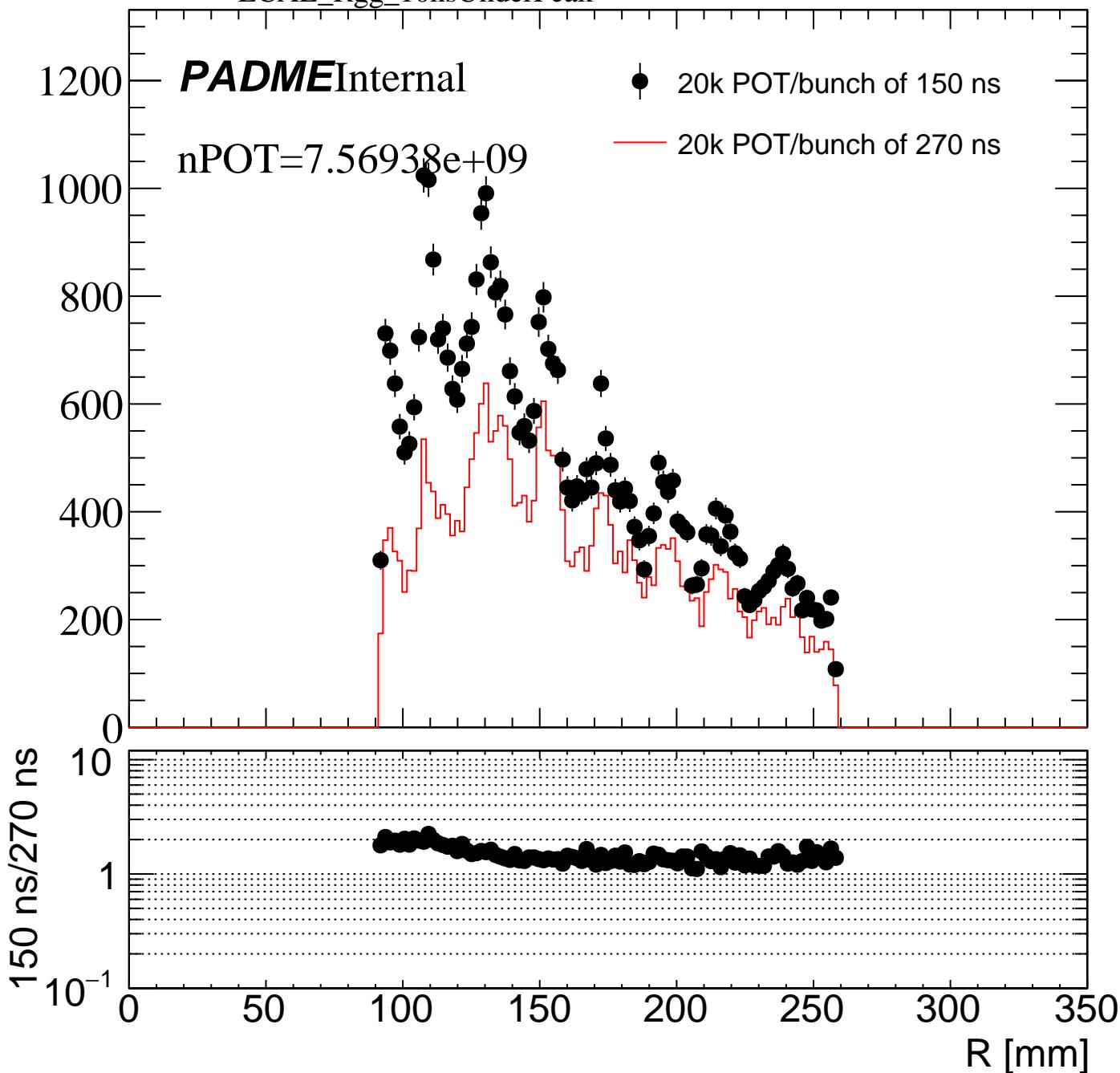
ECAL_Rgg_10ns5CoGUnderPeakEThr90_FRY



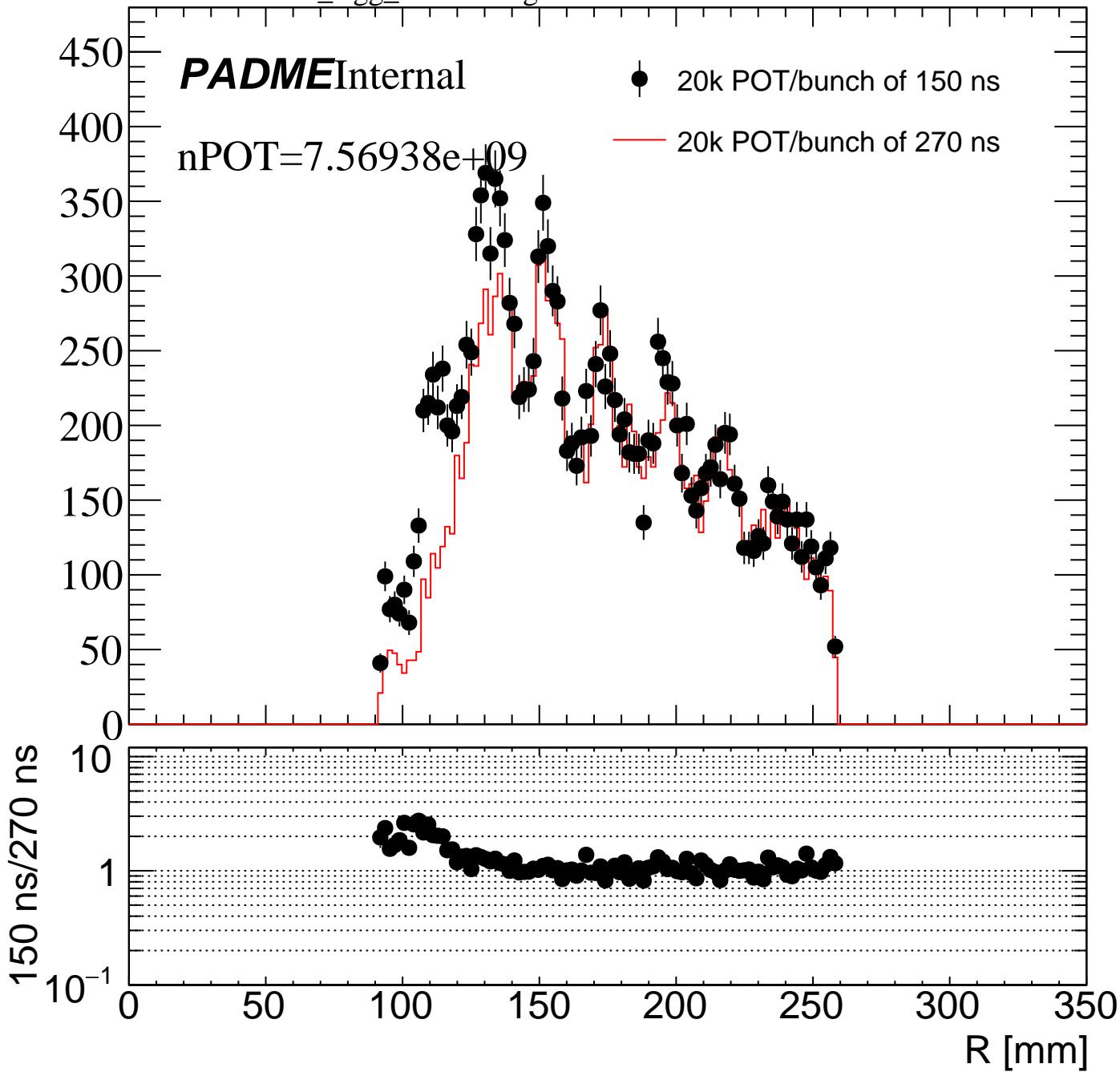
ECAL_Rgg_10ns5CoGEThr90



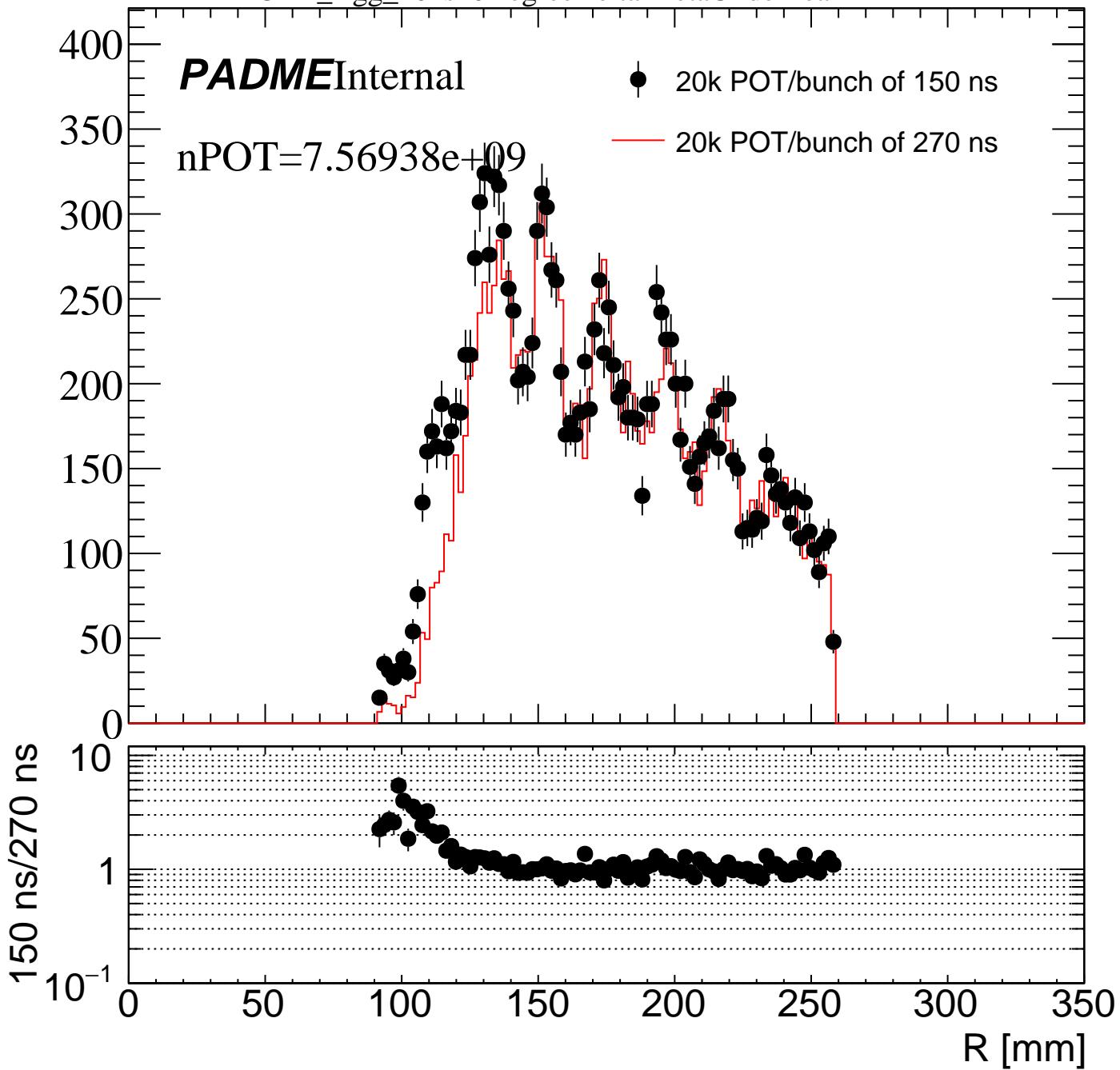
ECAL_Rgg_10nsUnderPeak



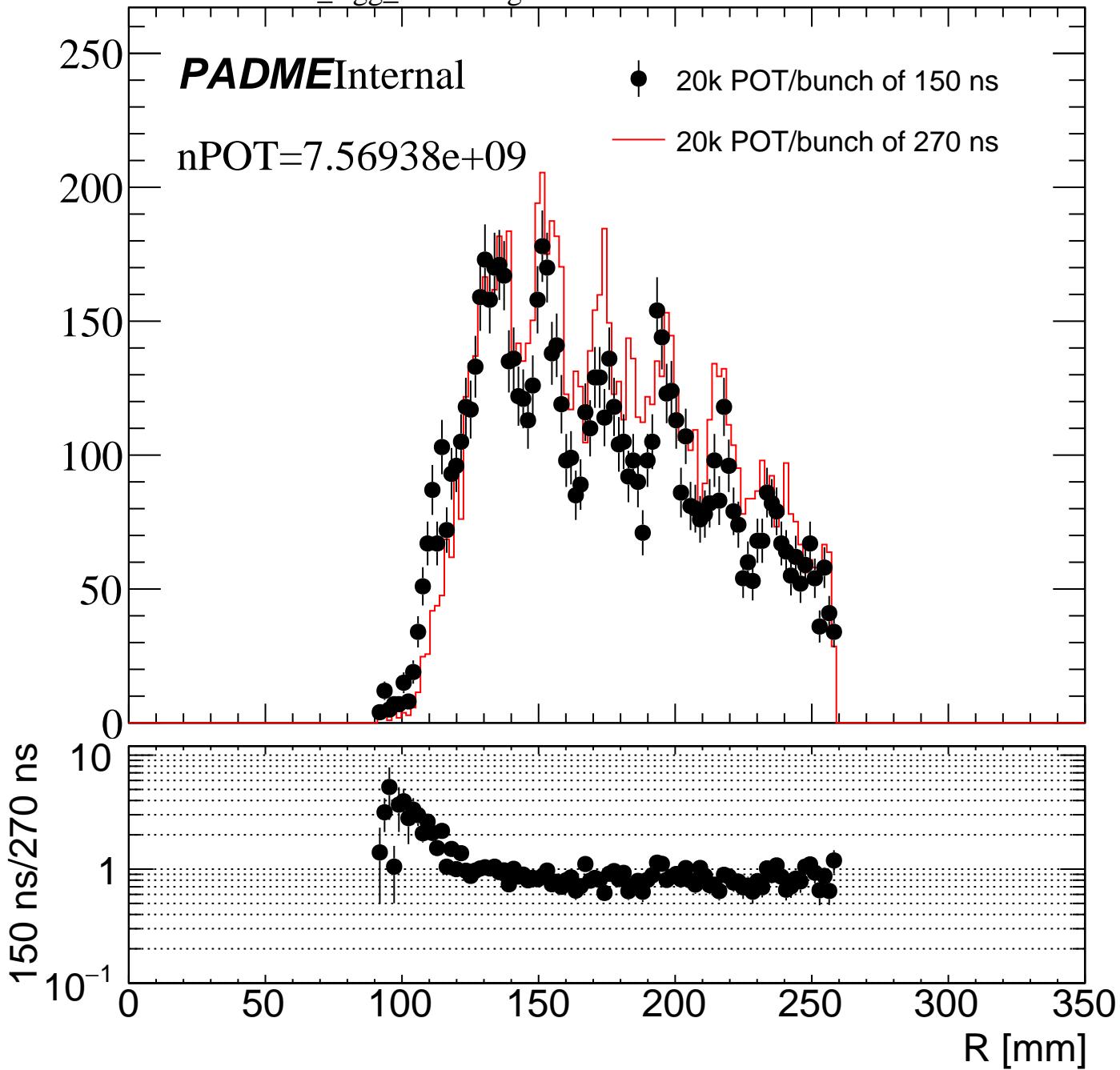
ECAL_Rgg_10ns20DegreeUnderPeak



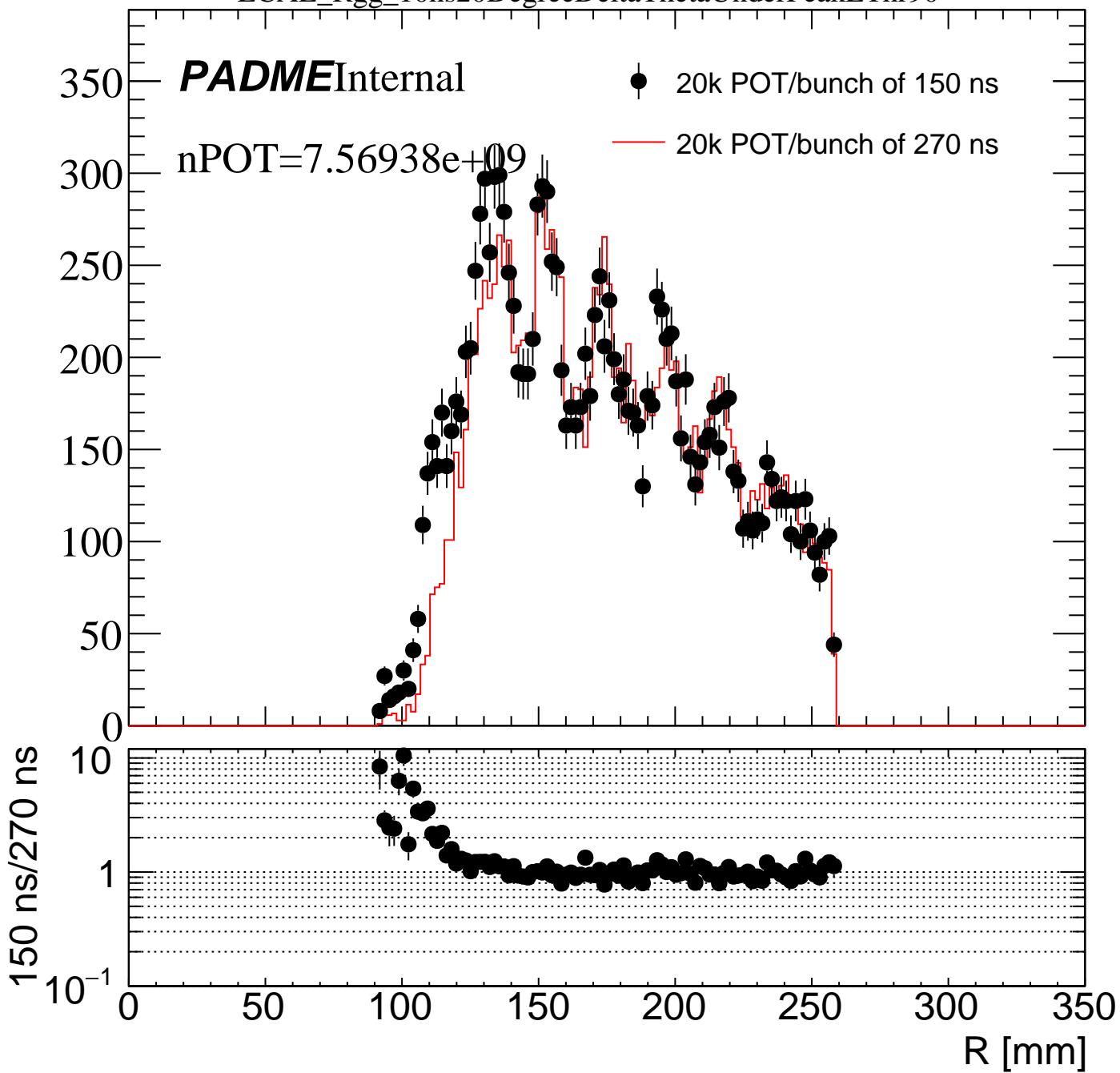
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak



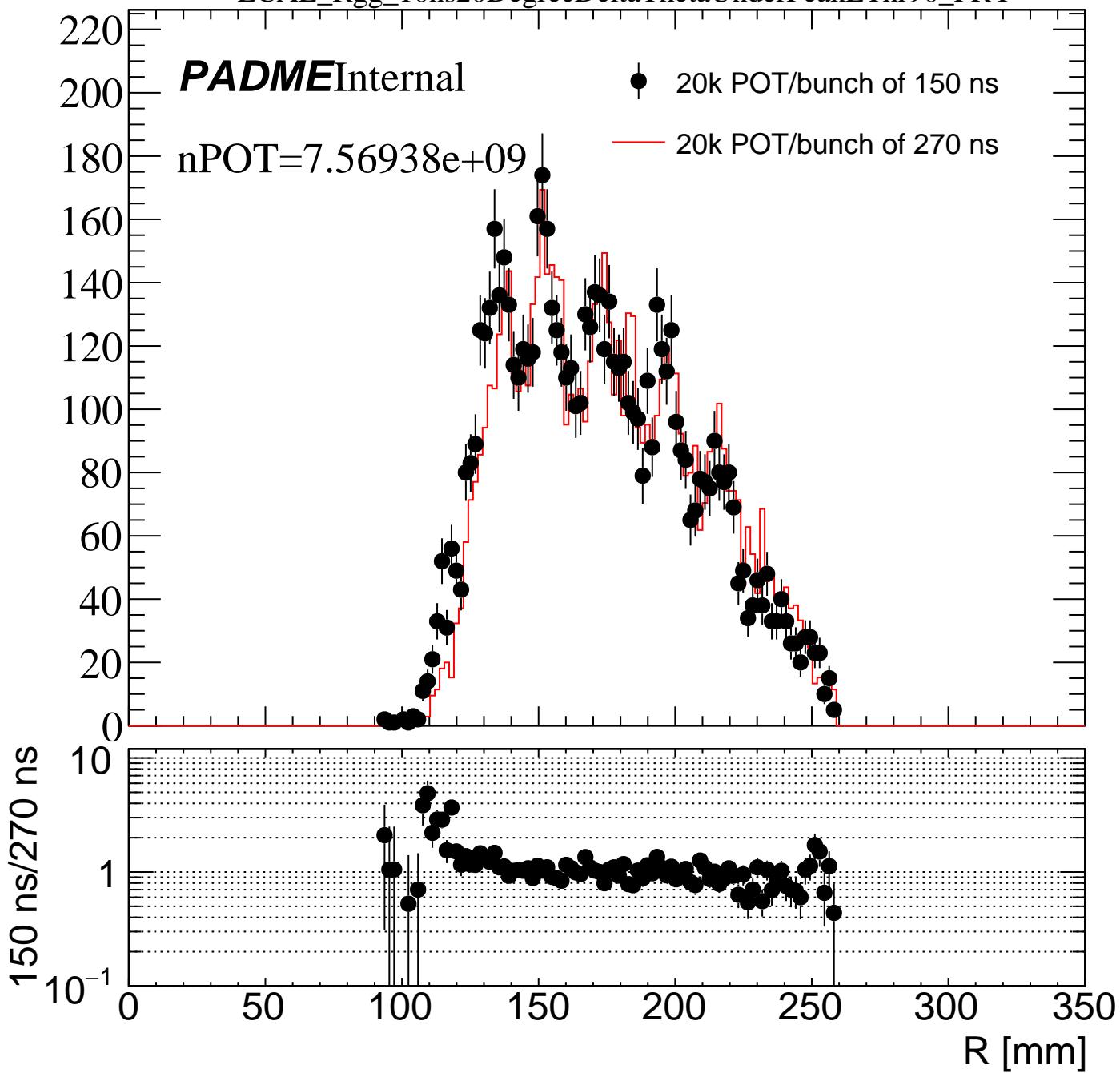
ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak



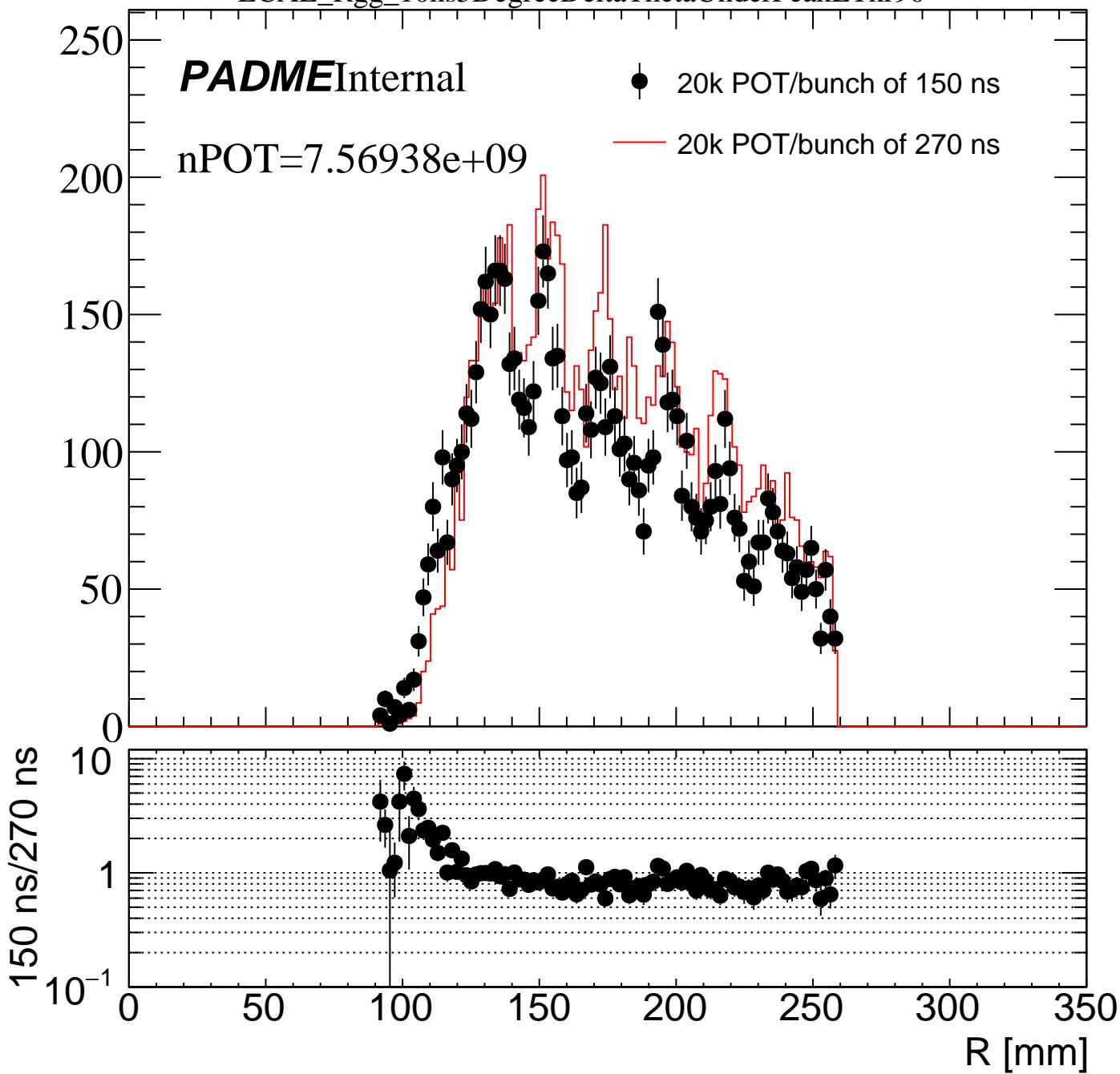
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90



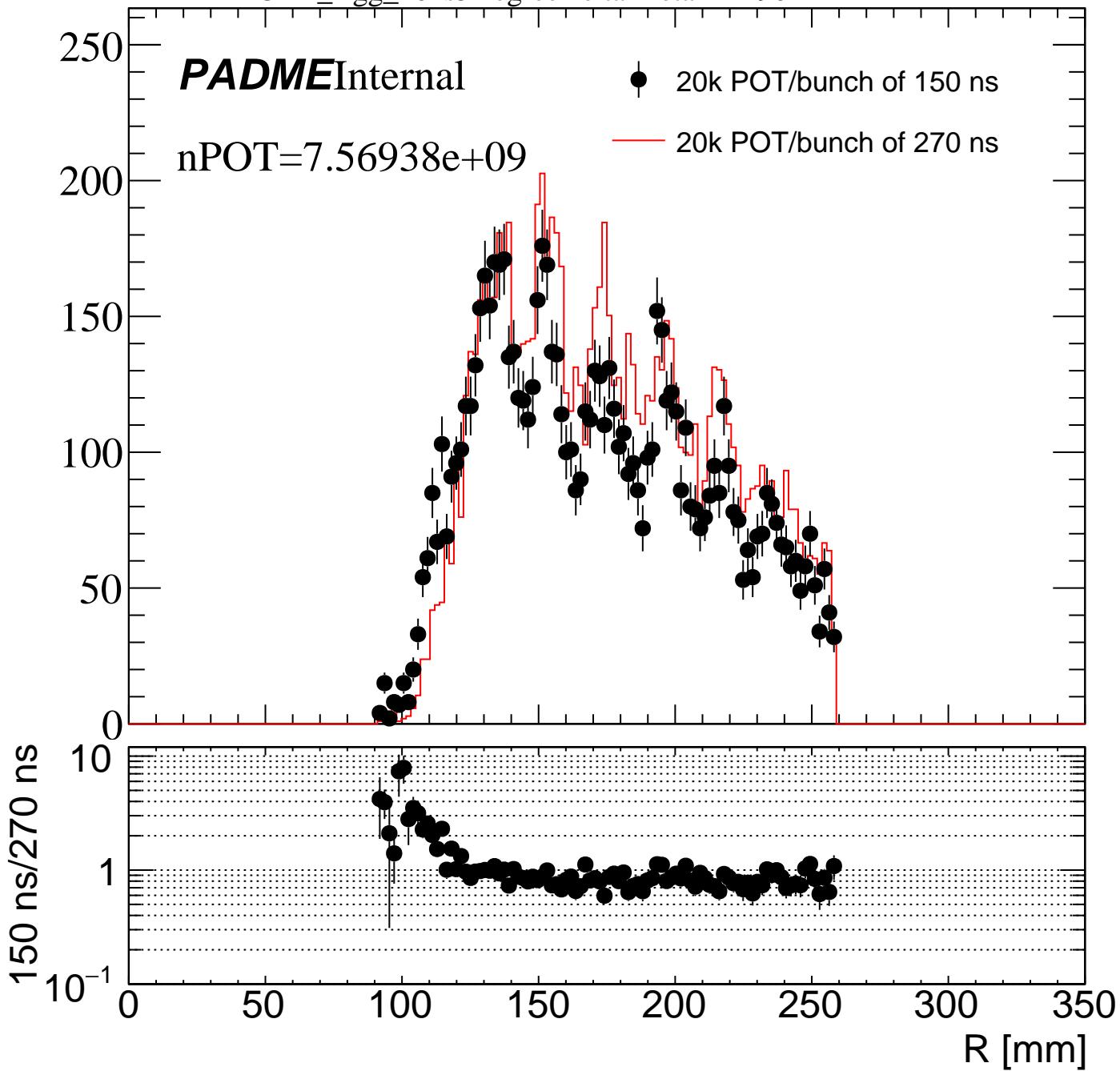
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



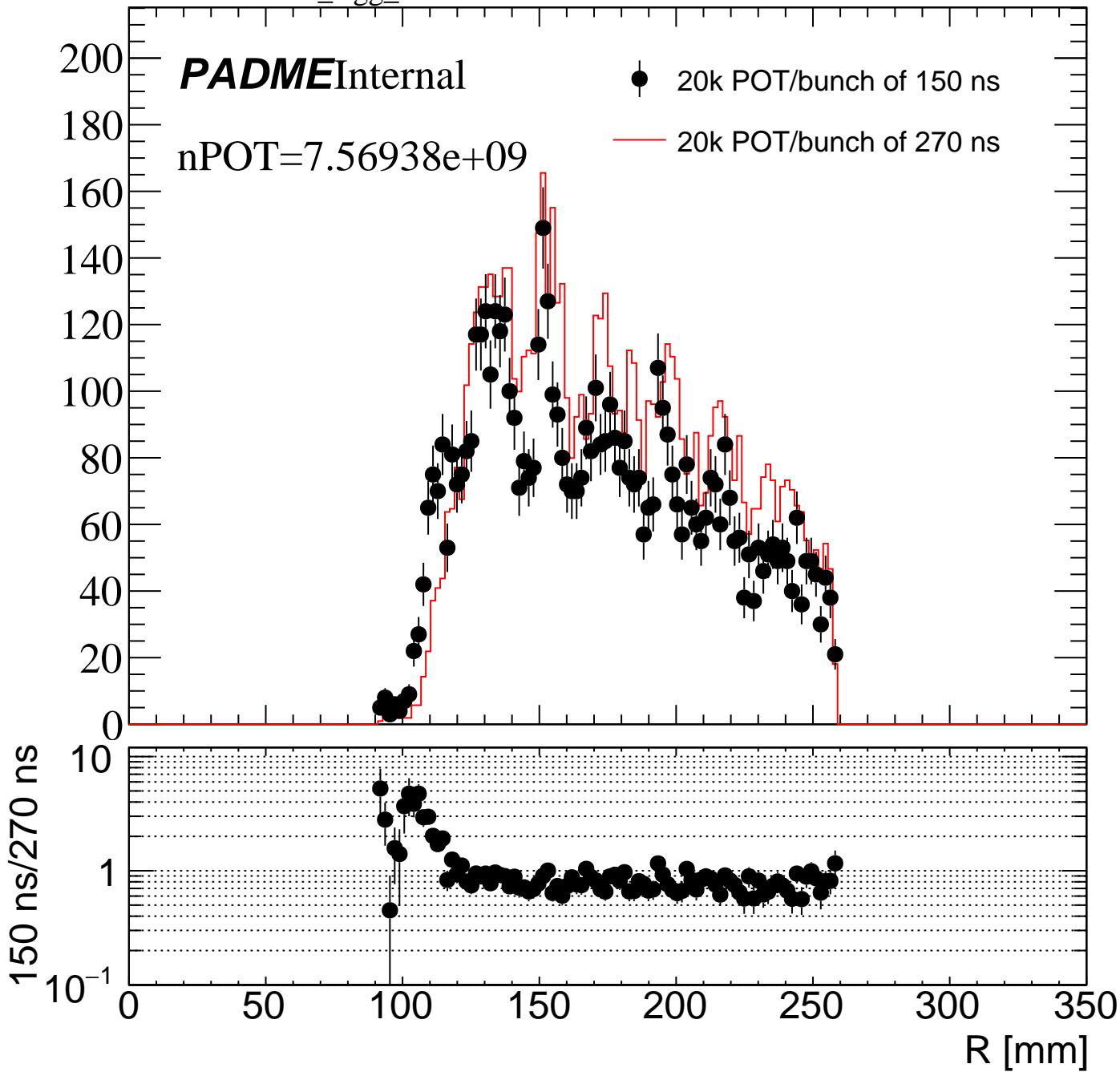
ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeakEThr90



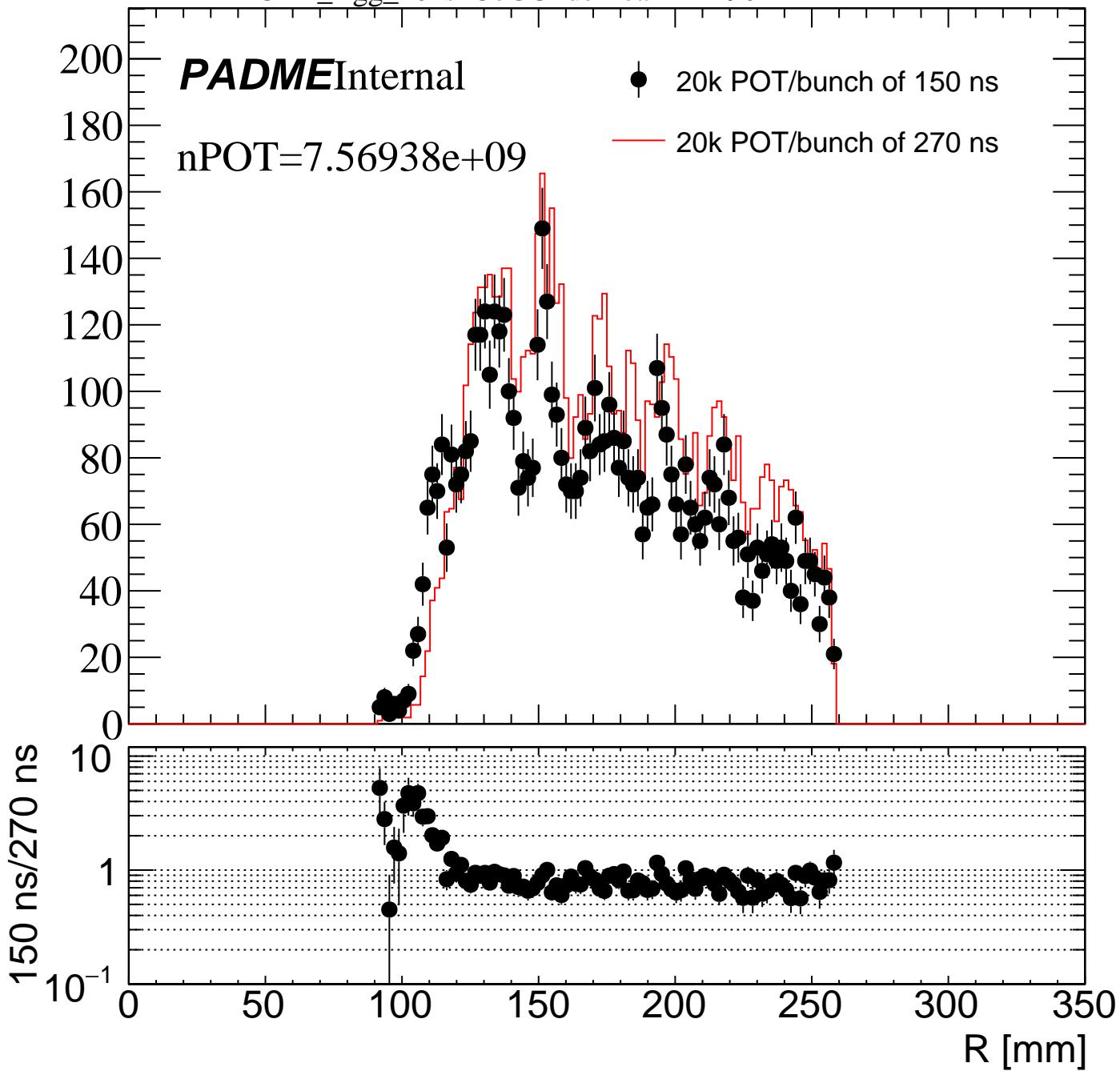
ECAL_Rgg_10ns5DegreeDeltaThetaEThr90



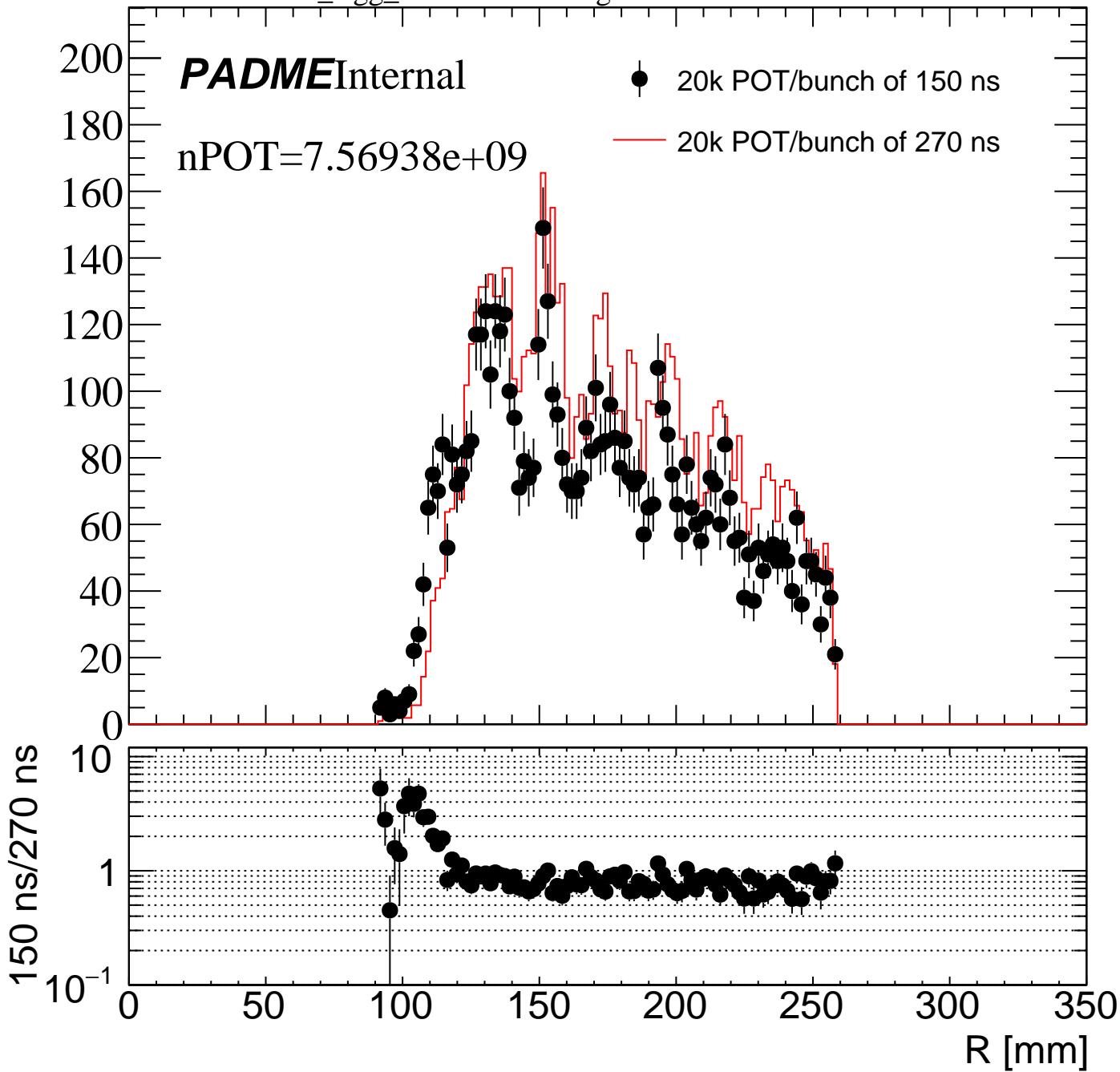
ECAL_Rgg_10ns1CoGUnderPeak



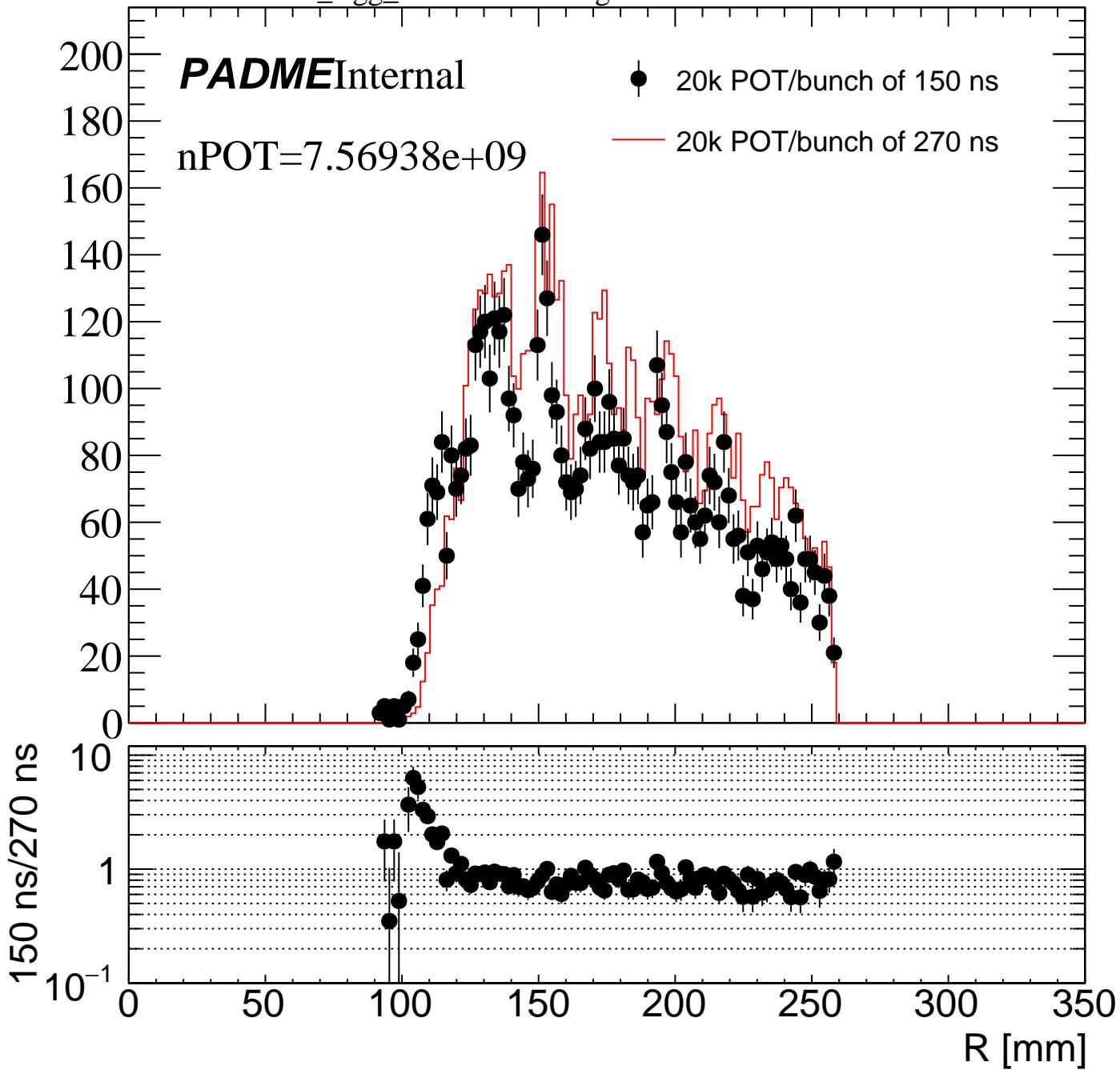
ECAL_Rgg_10ns1CoGUnderPeakEThr90



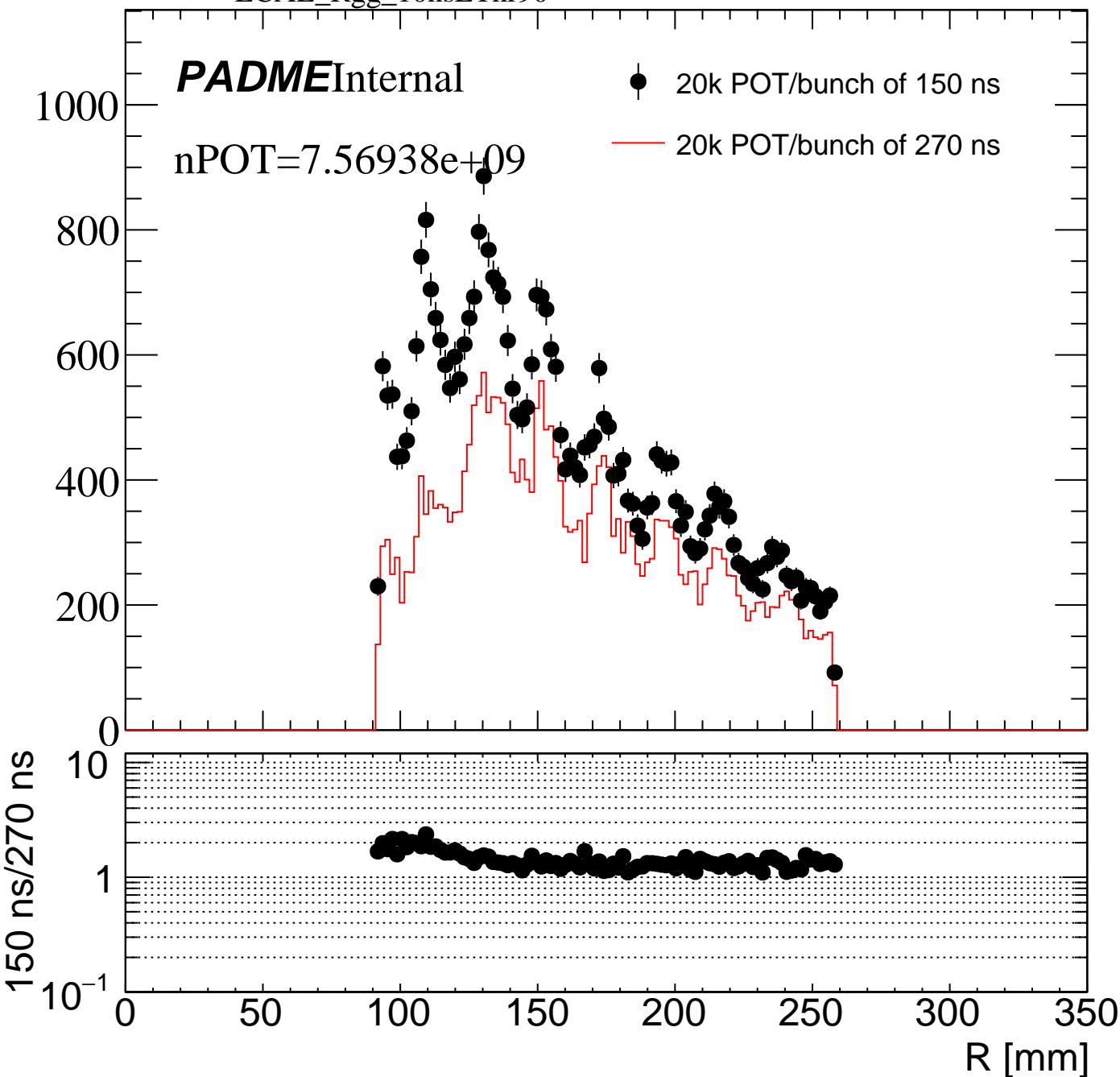
ECAL_Rgg_10ns1CoG20DegreeUnderPeak



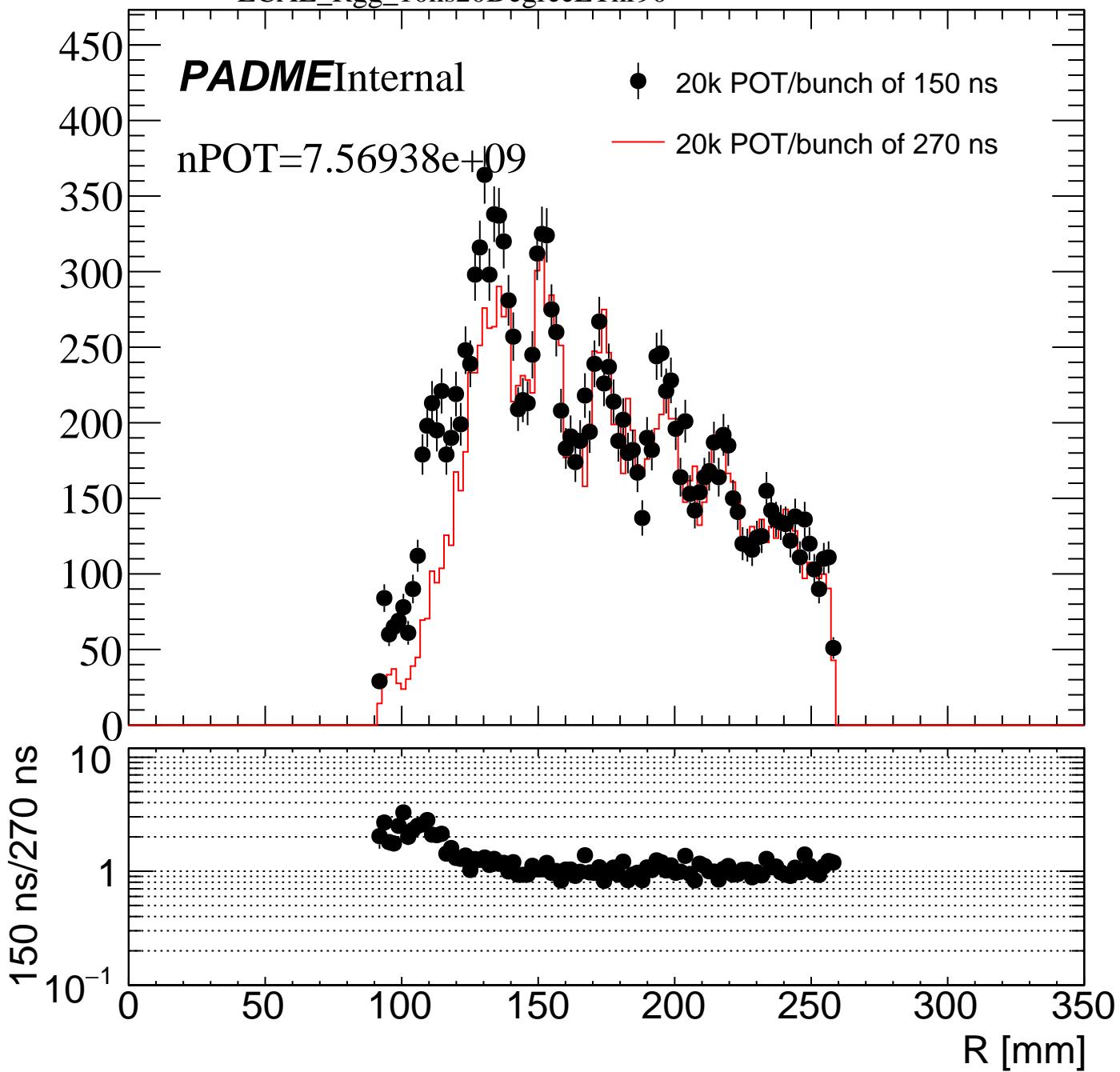
ECAL_Rgg_10ns1CoG20DegreeDeltaThetaUnderPeak



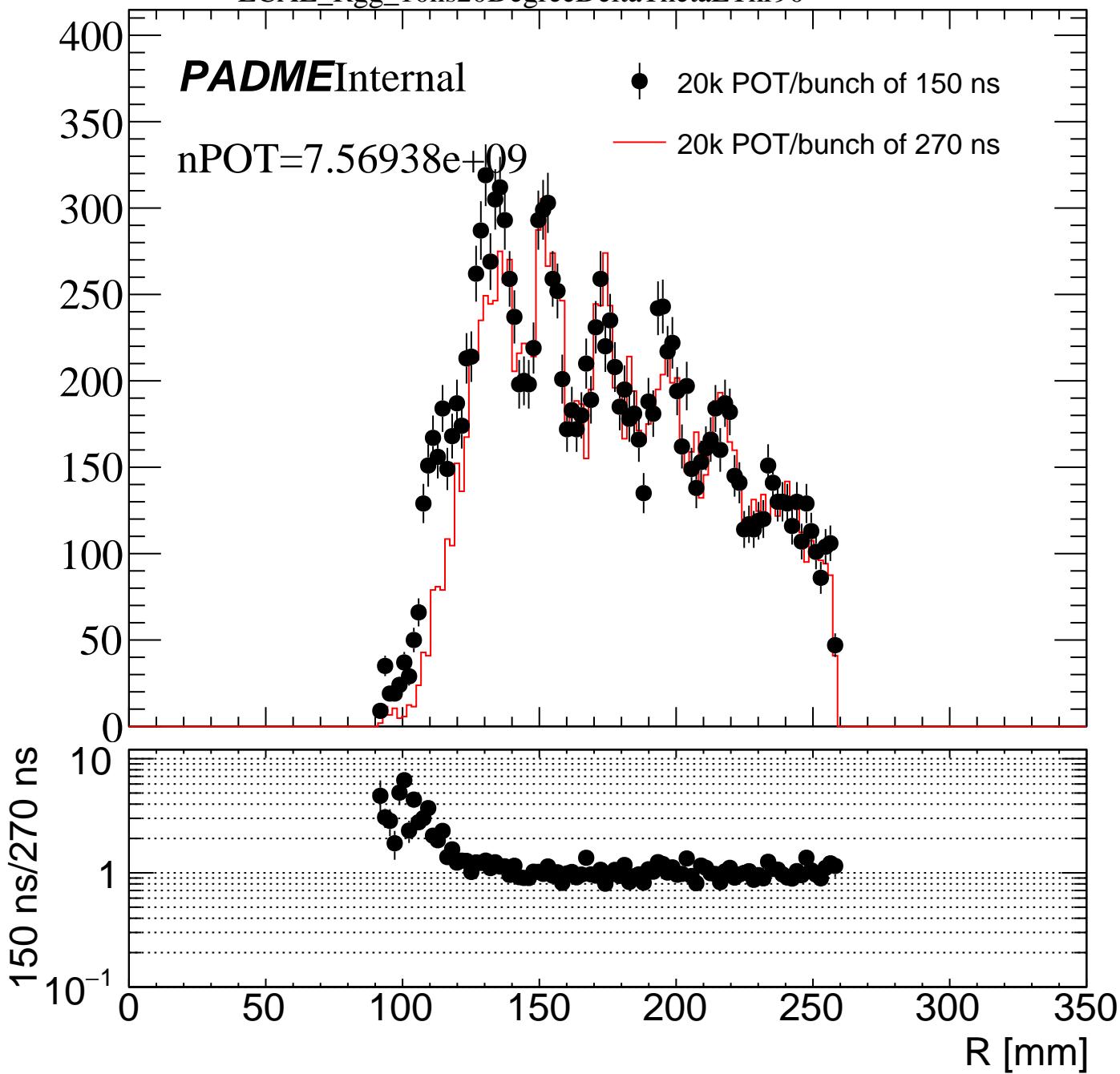
ECAL_Rgg_10nsETHr90



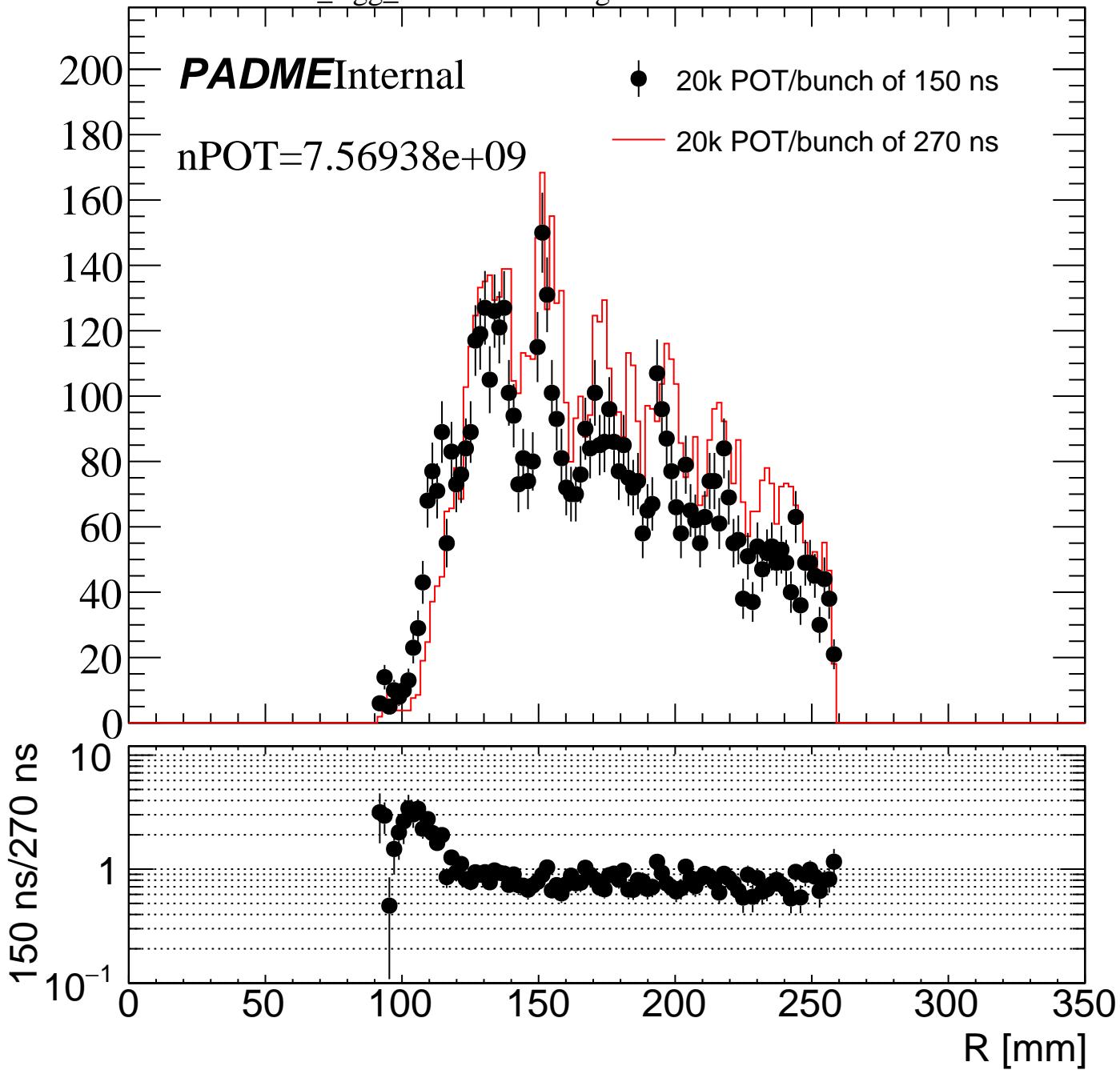
ECAL_Rgg_10ns20DegreeEThr90



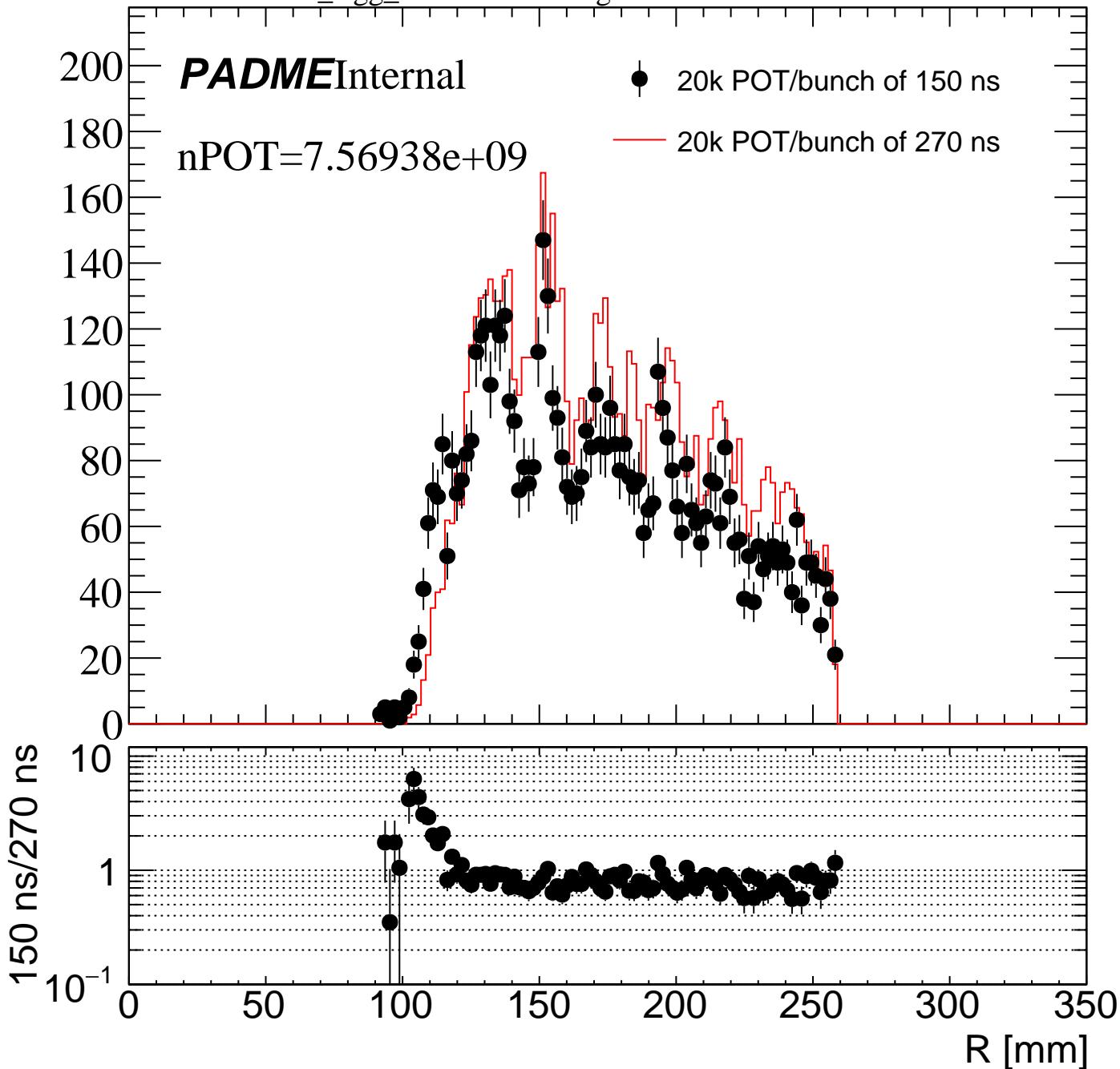
ECAL_Rgg_10ns20DegreeDeltaThetaETHr90

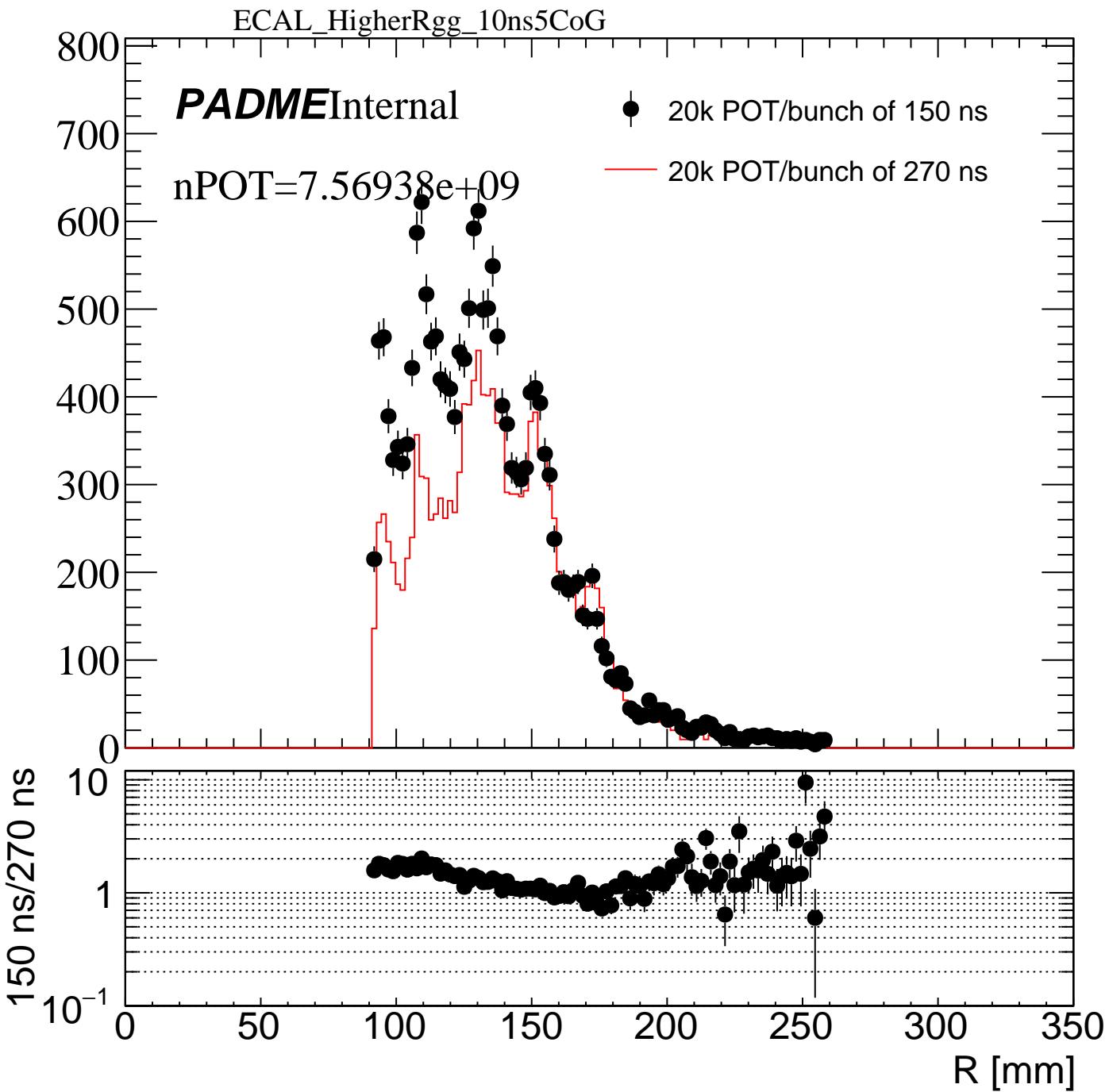


ECAL_Rgg_10ns1CoG20DegreeEThr90

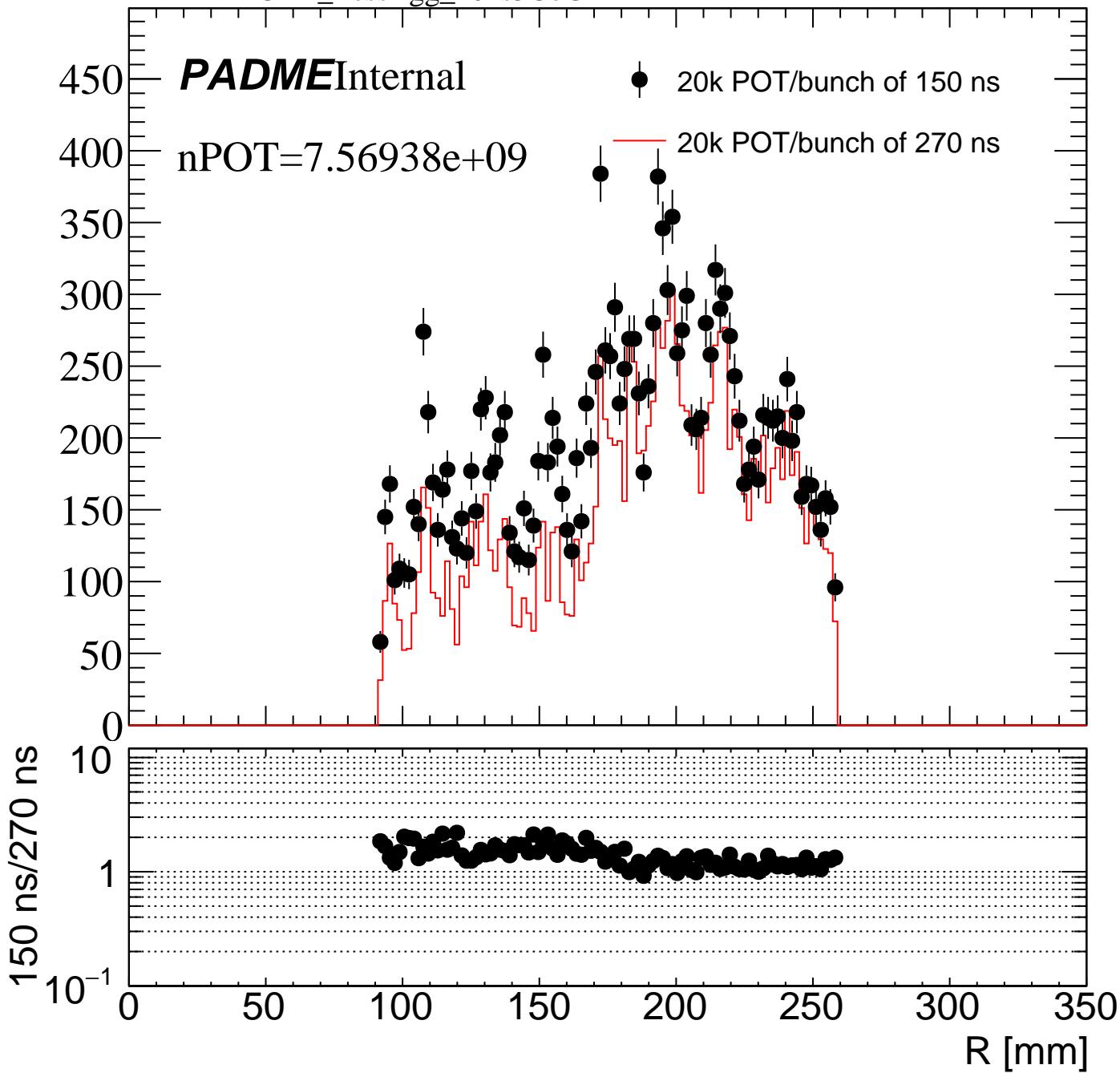


ECAL_Rgg_10ns1CoG20DegreeDeltaThetaETHr90

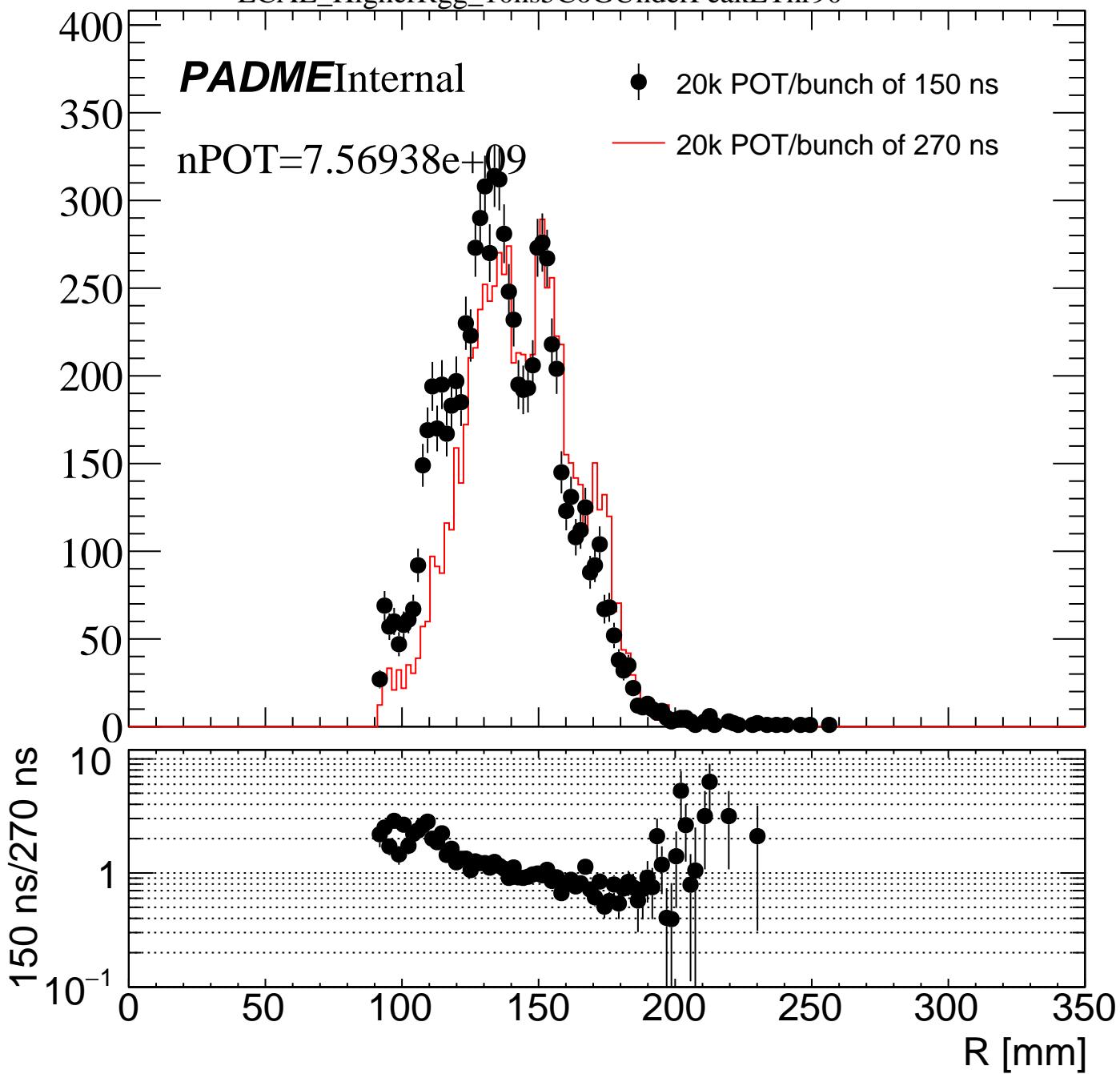




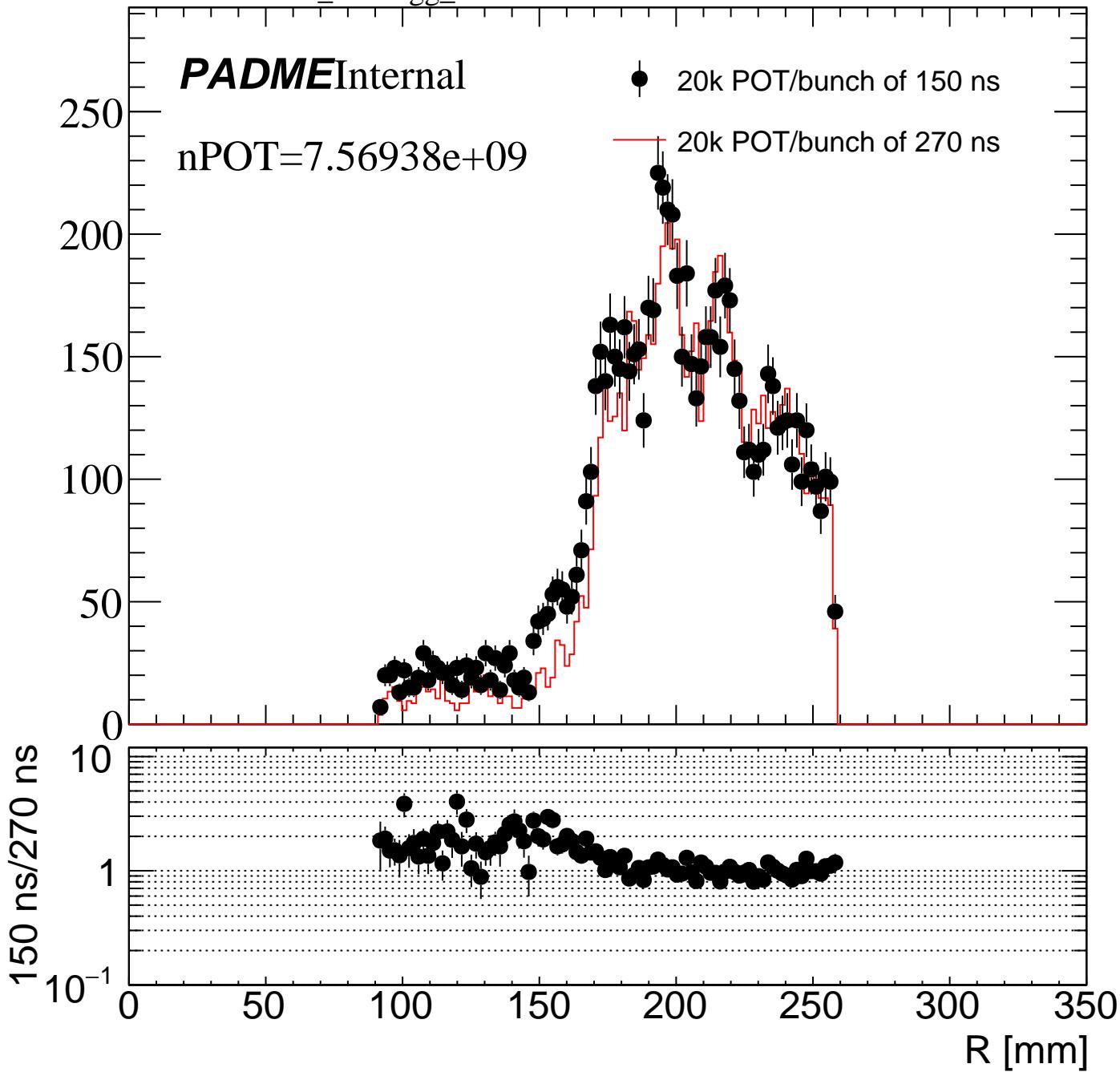
ECAL_LessRgg_10ns5CoG

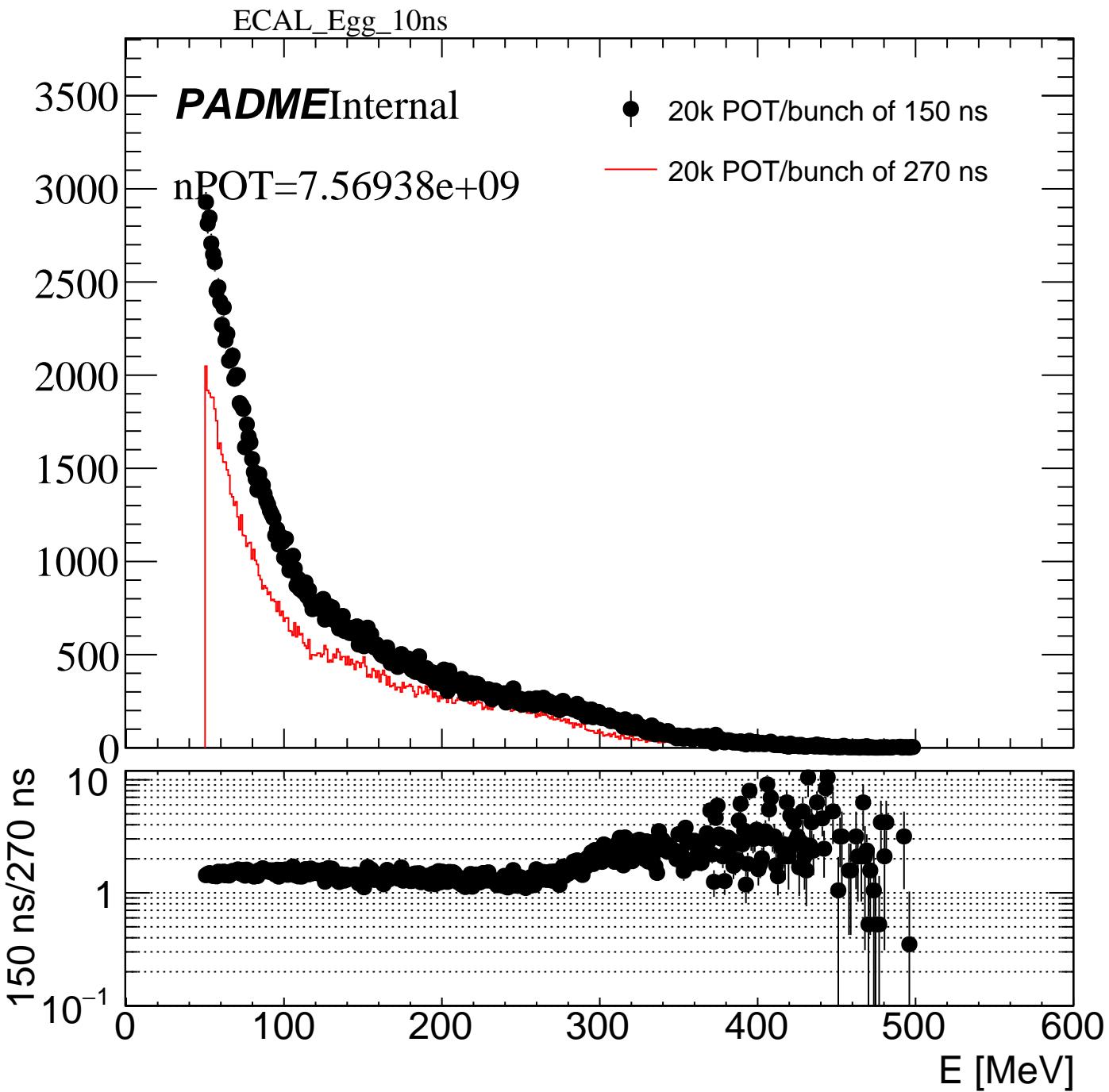


ECAL_HigherRgg_10ns5CoGUnderPeakEThr90

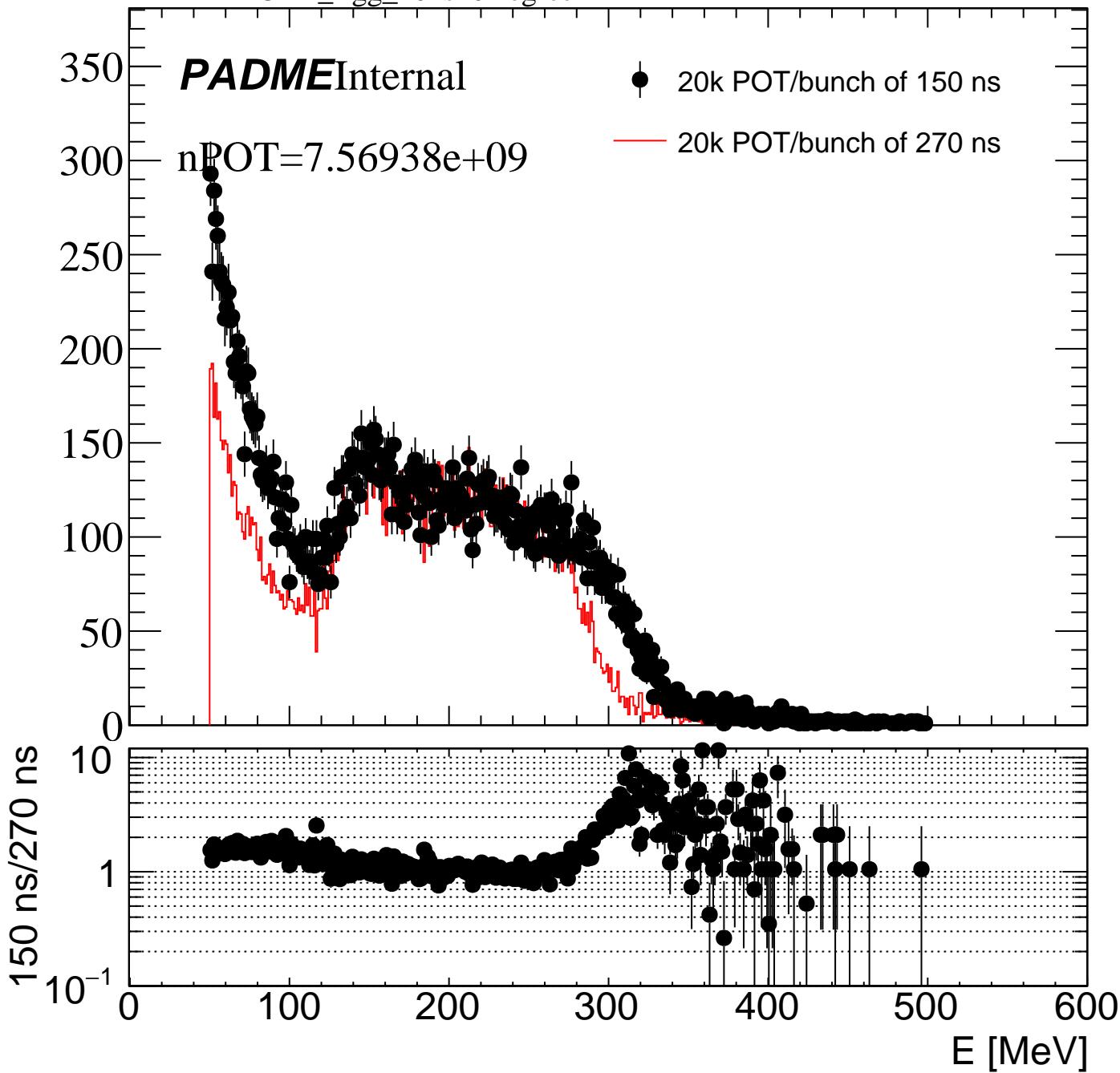


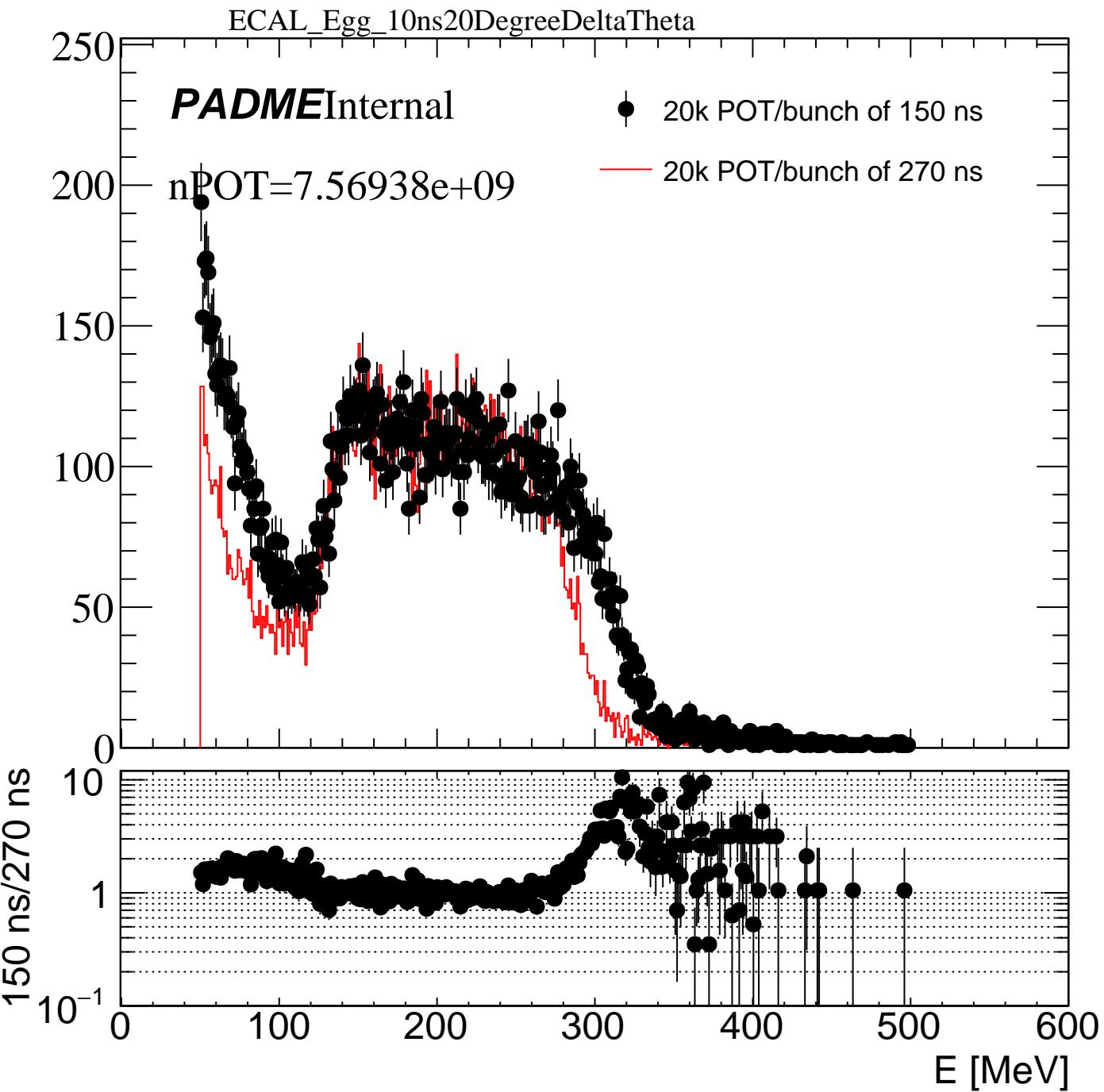
ECAL_LessRgg_10ns5CoGUnderPeakEThr90



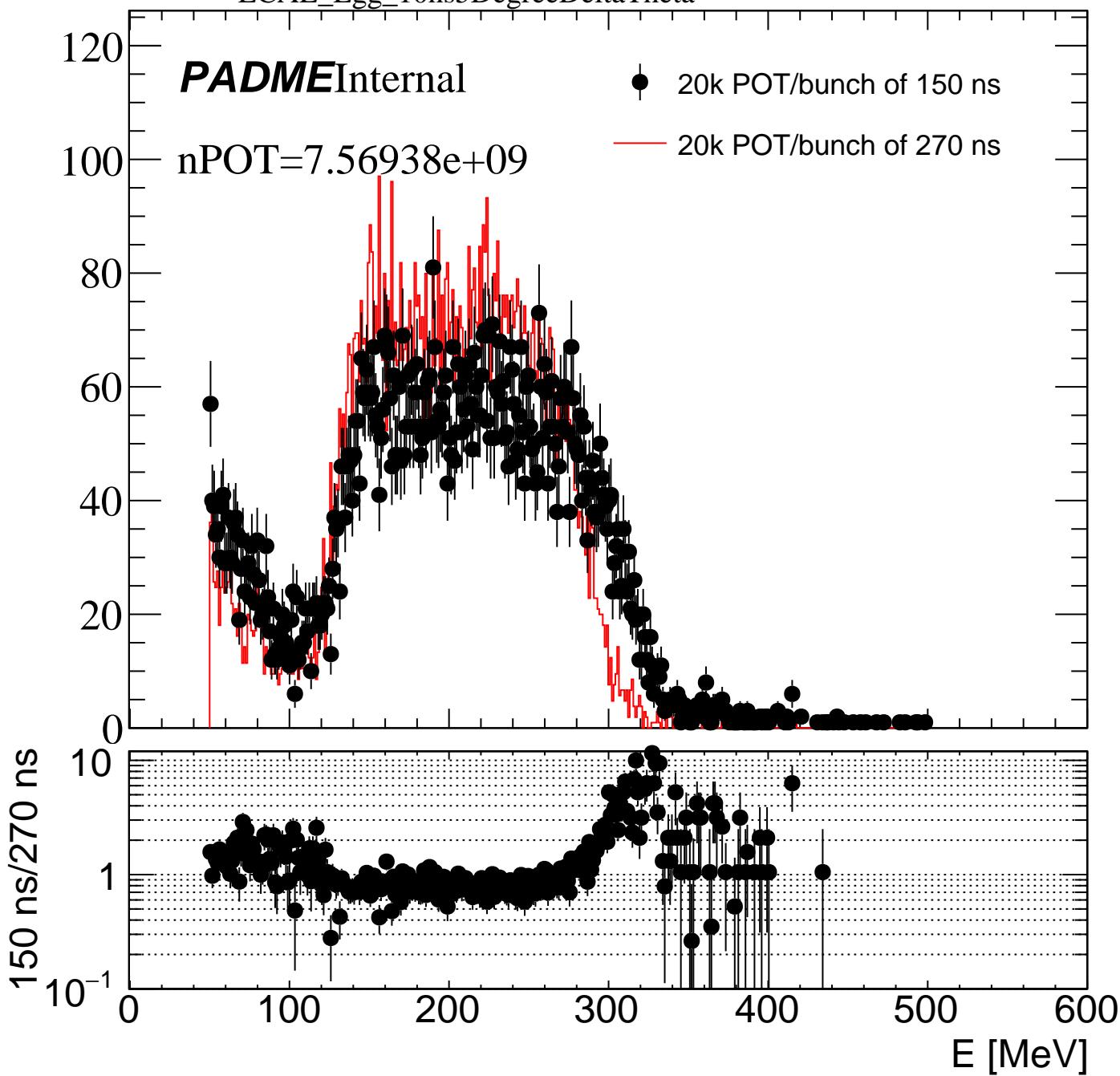


ECAL_Egg_10ns20Degree

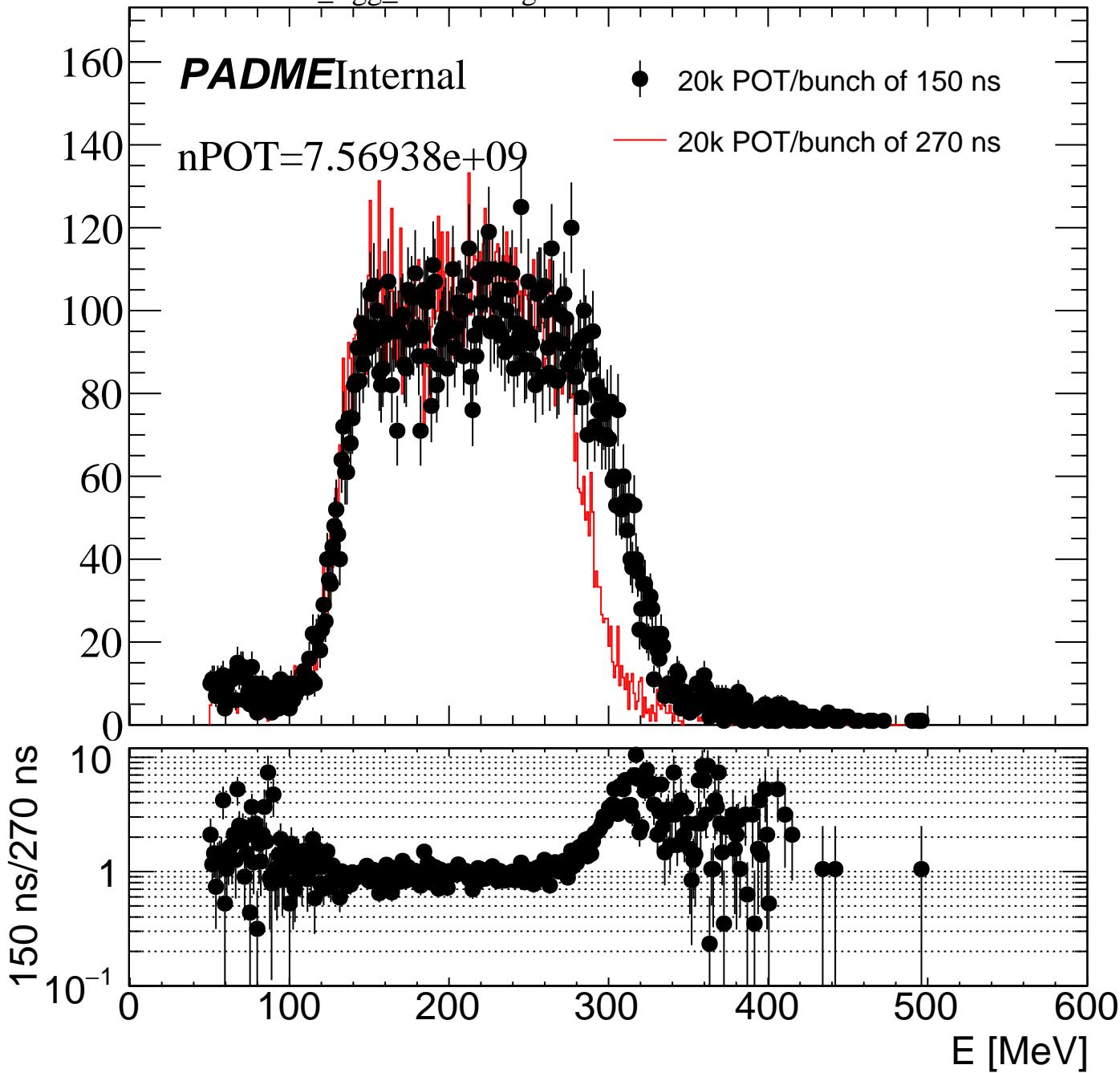




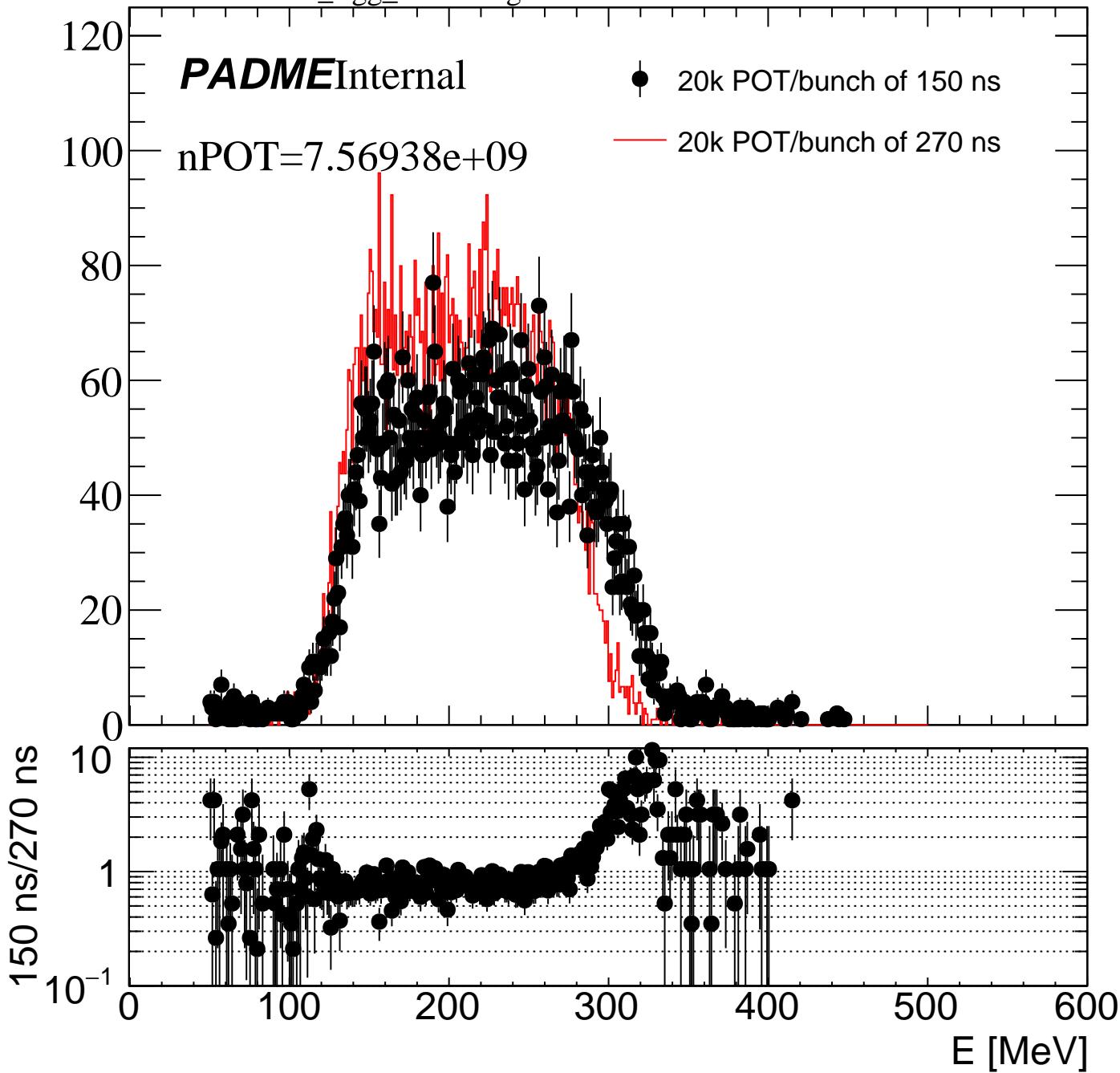
ECAL_Egg_10ns5DegreeDeltaTheta



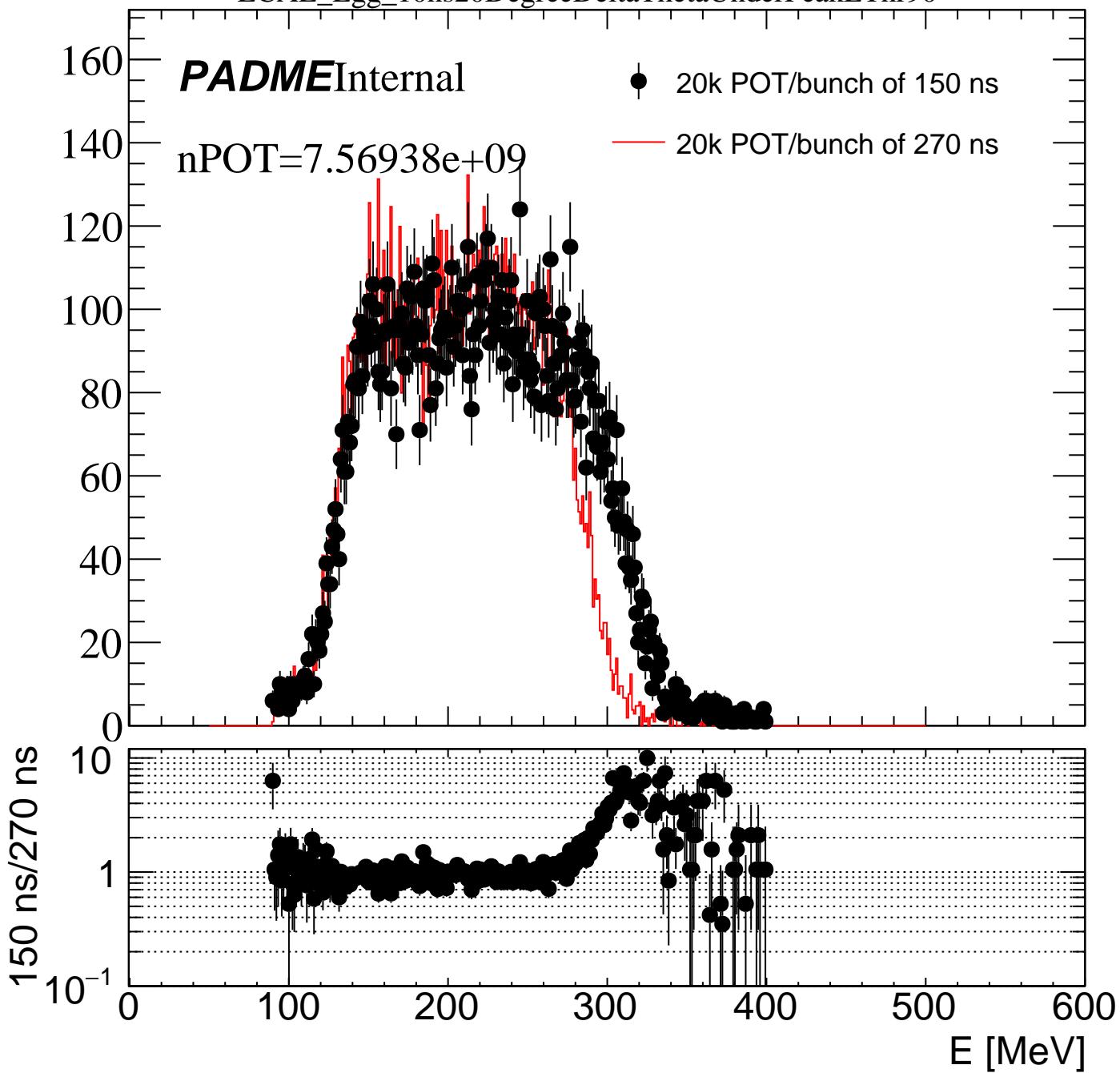
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak



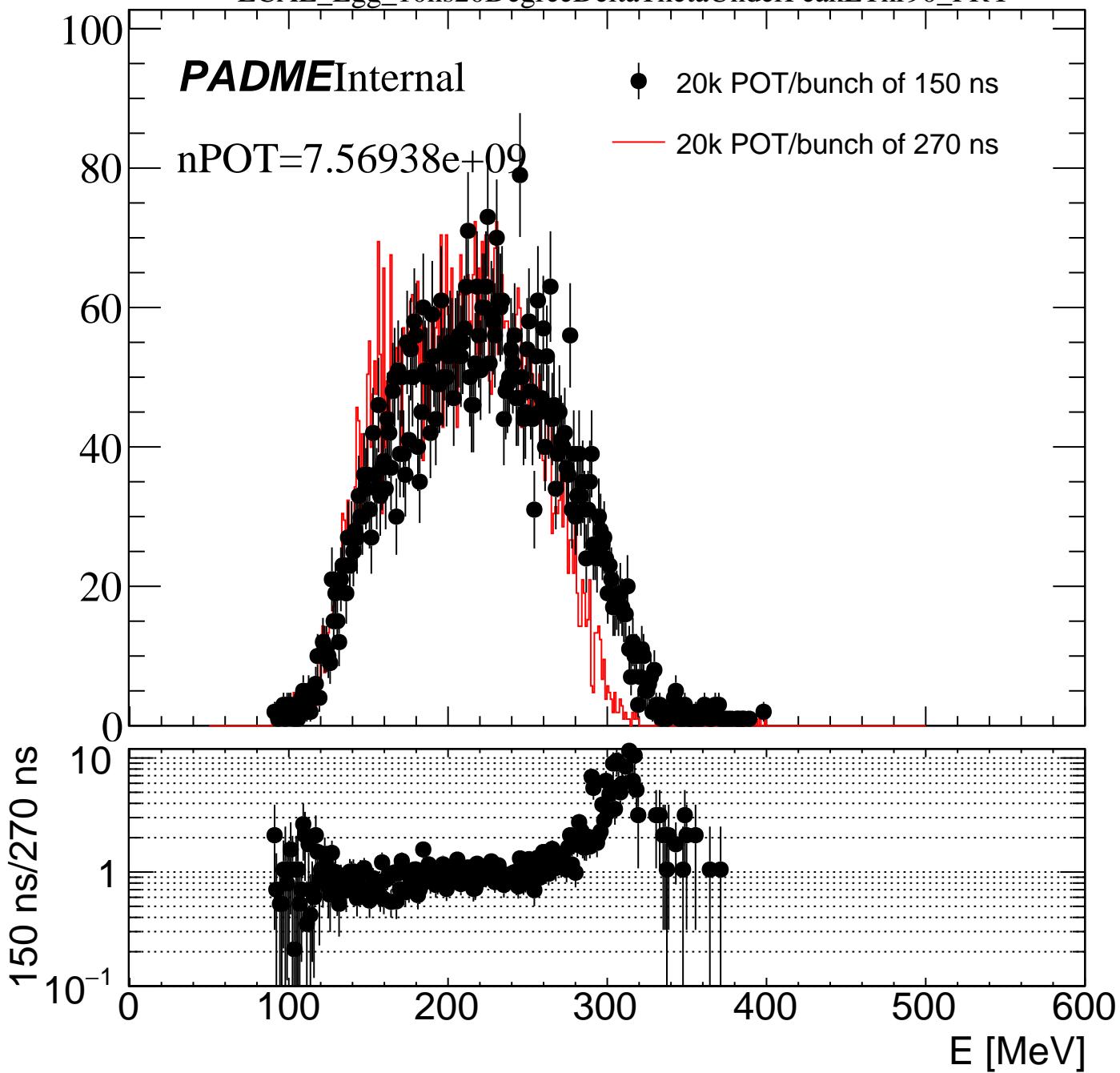
ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak



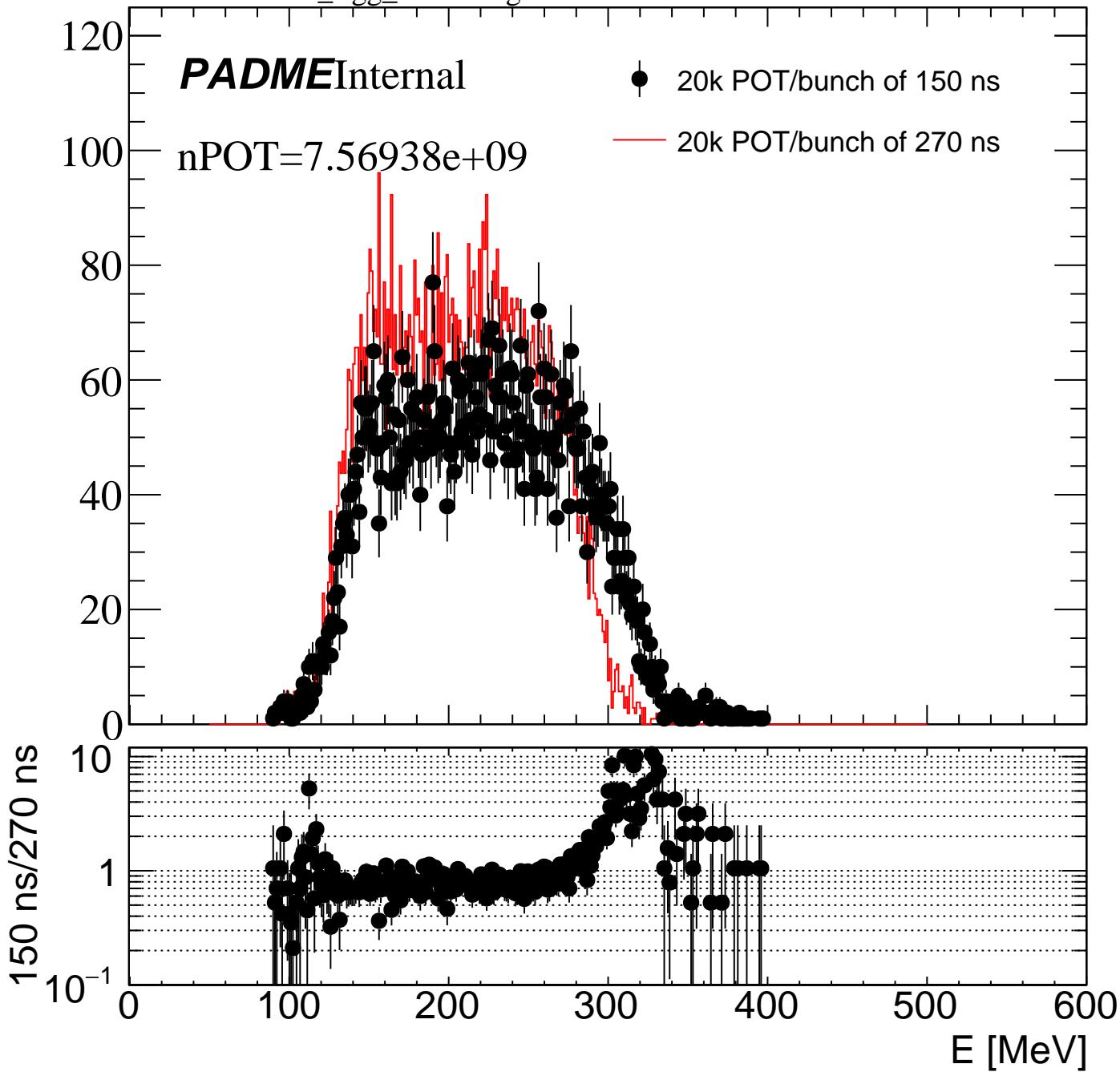
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90



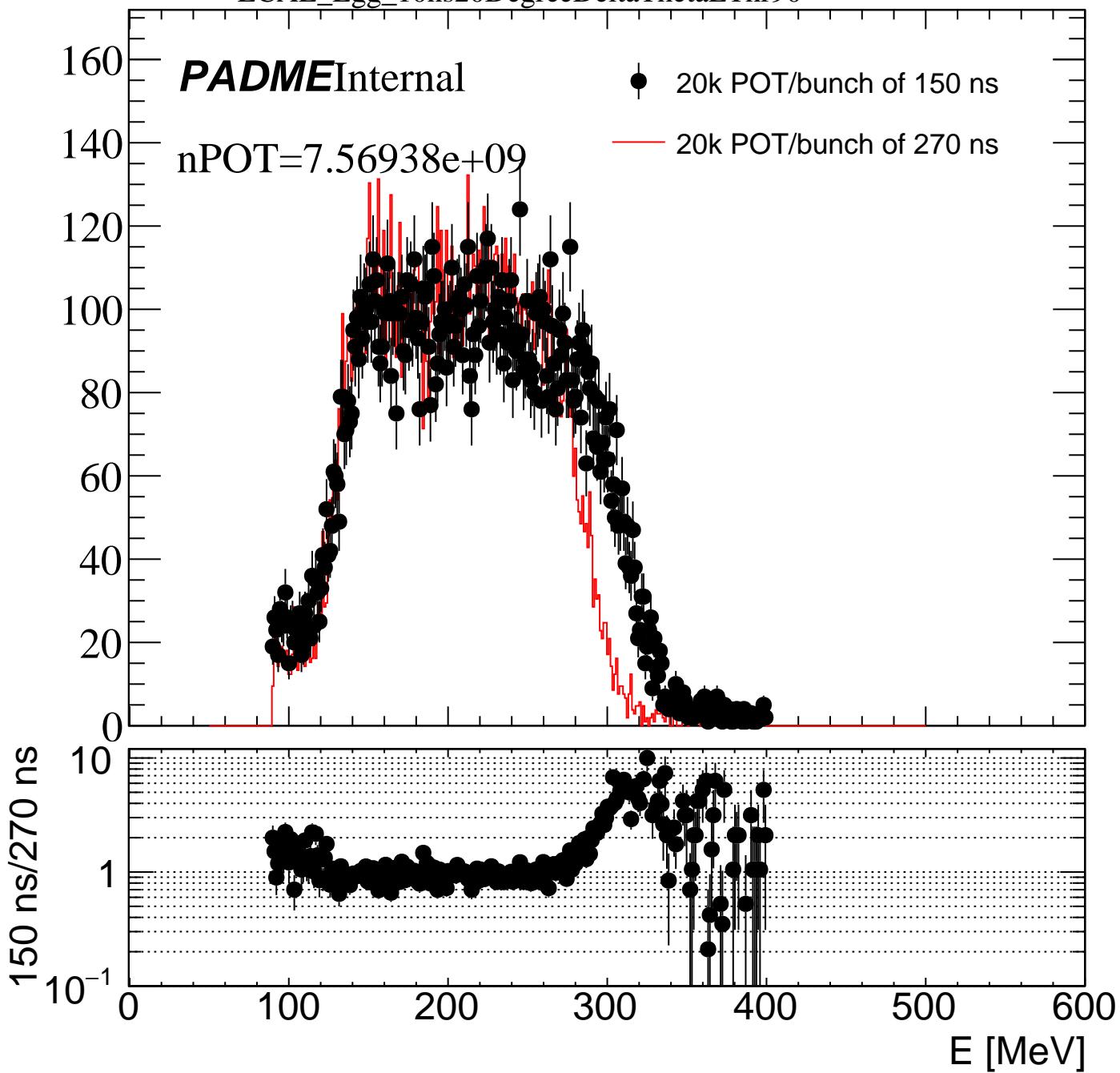
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



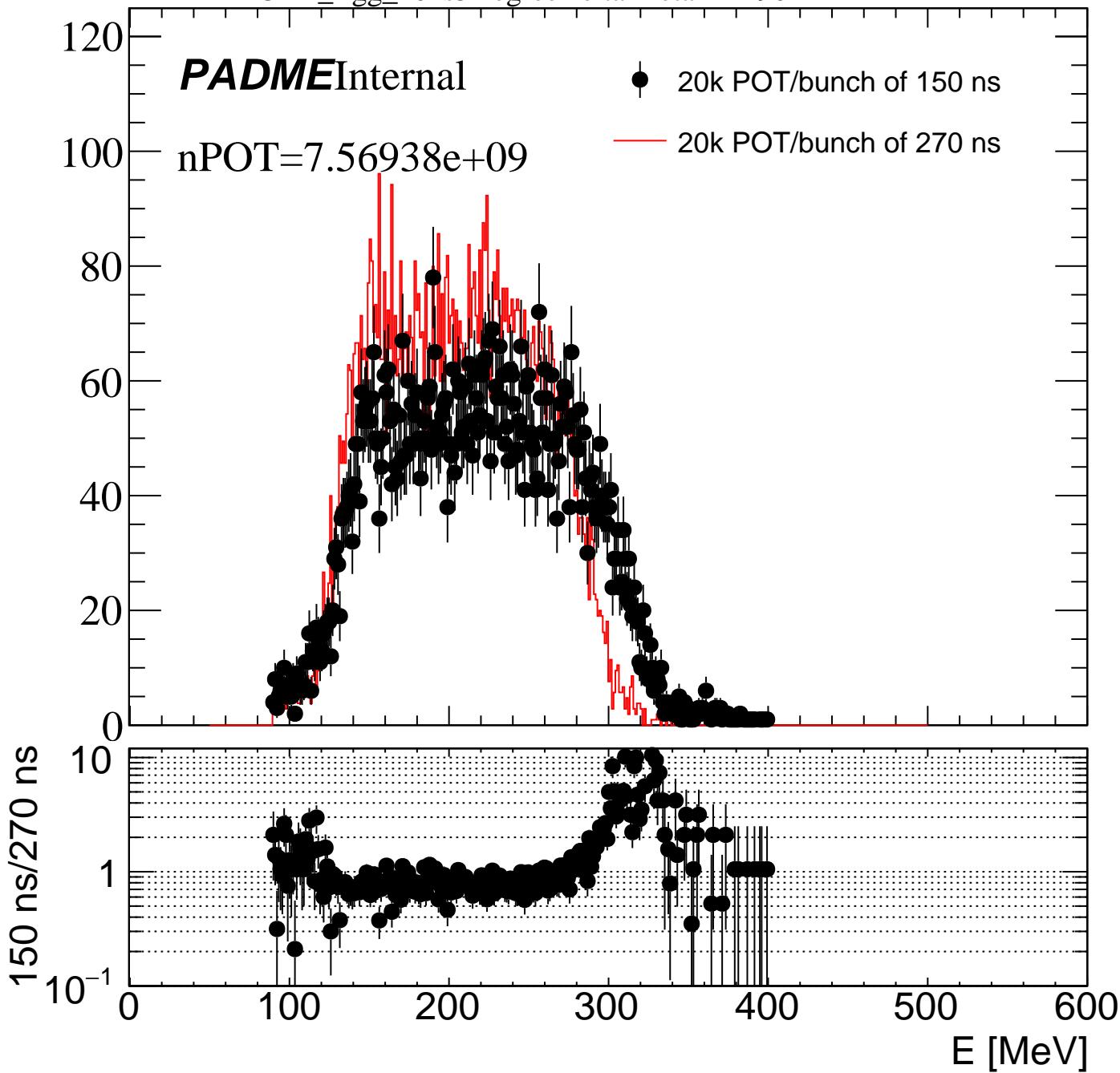
ECAL_Egg_10ns5DegreeDeltaThetaUnderPeakEThr90

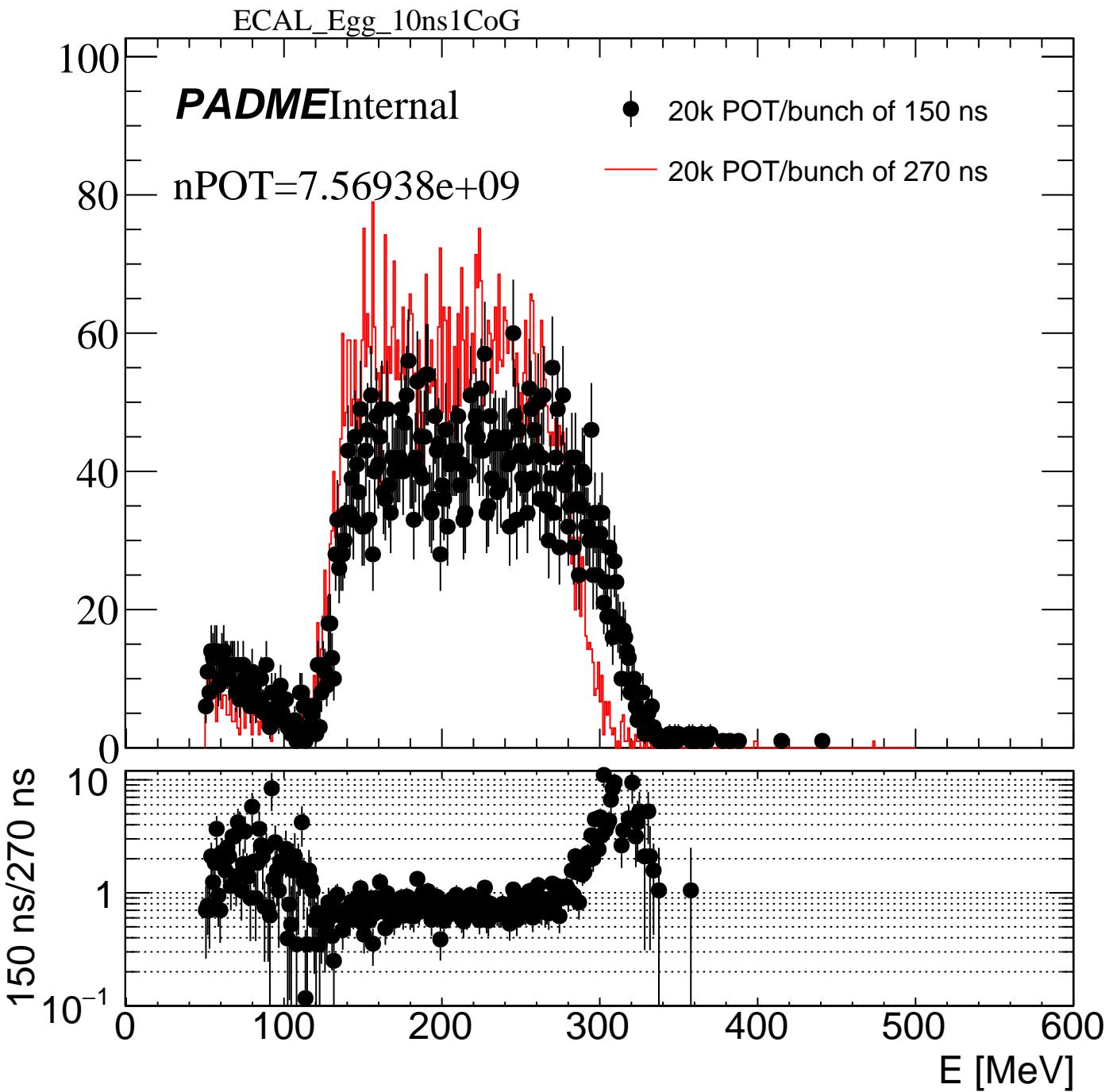


ECAL_Egg_10ns20DegreeDeltaThetaEThr90

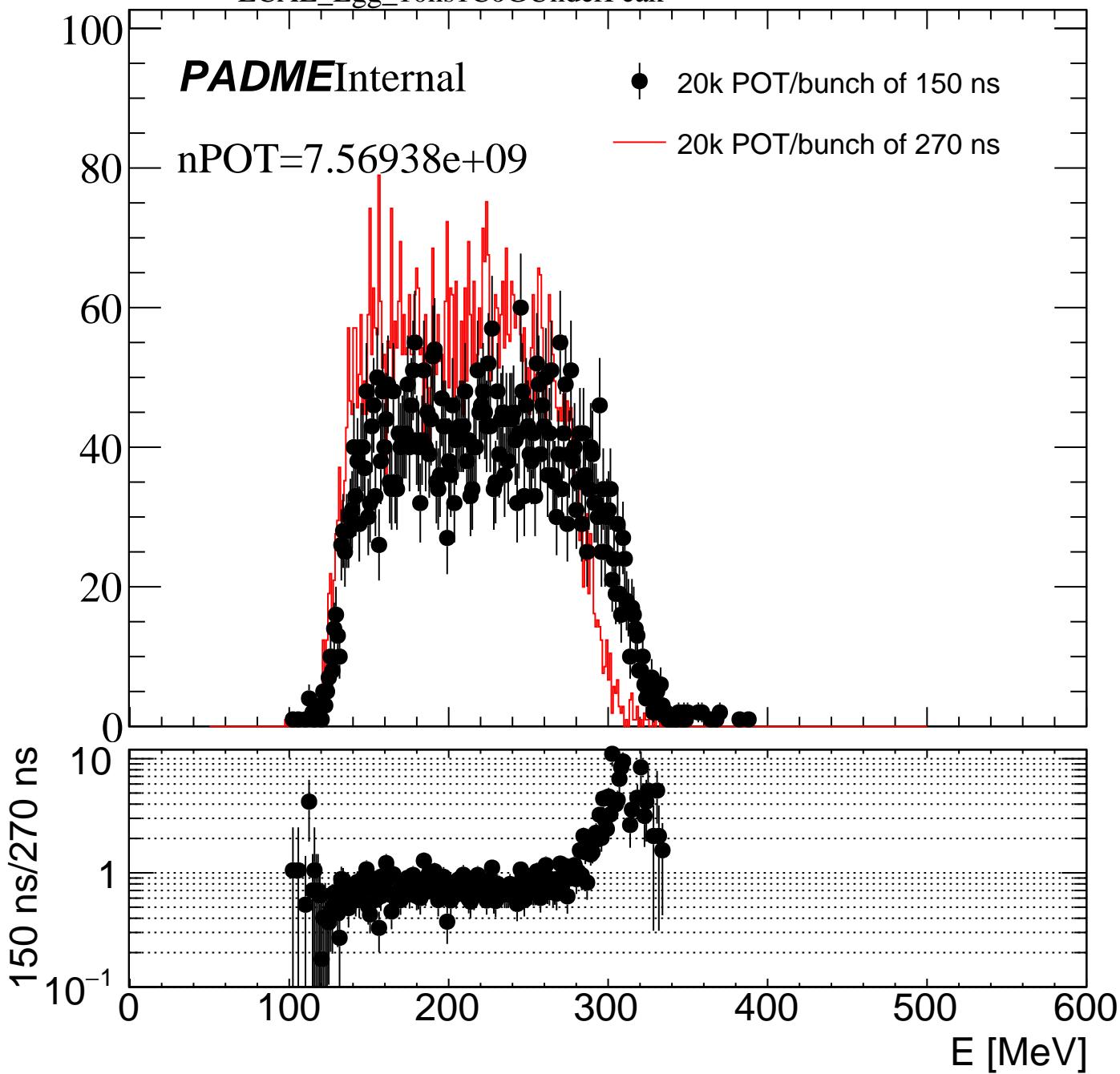


ECAL_Egg_10ns5DegreeDeltaThetaEThr90

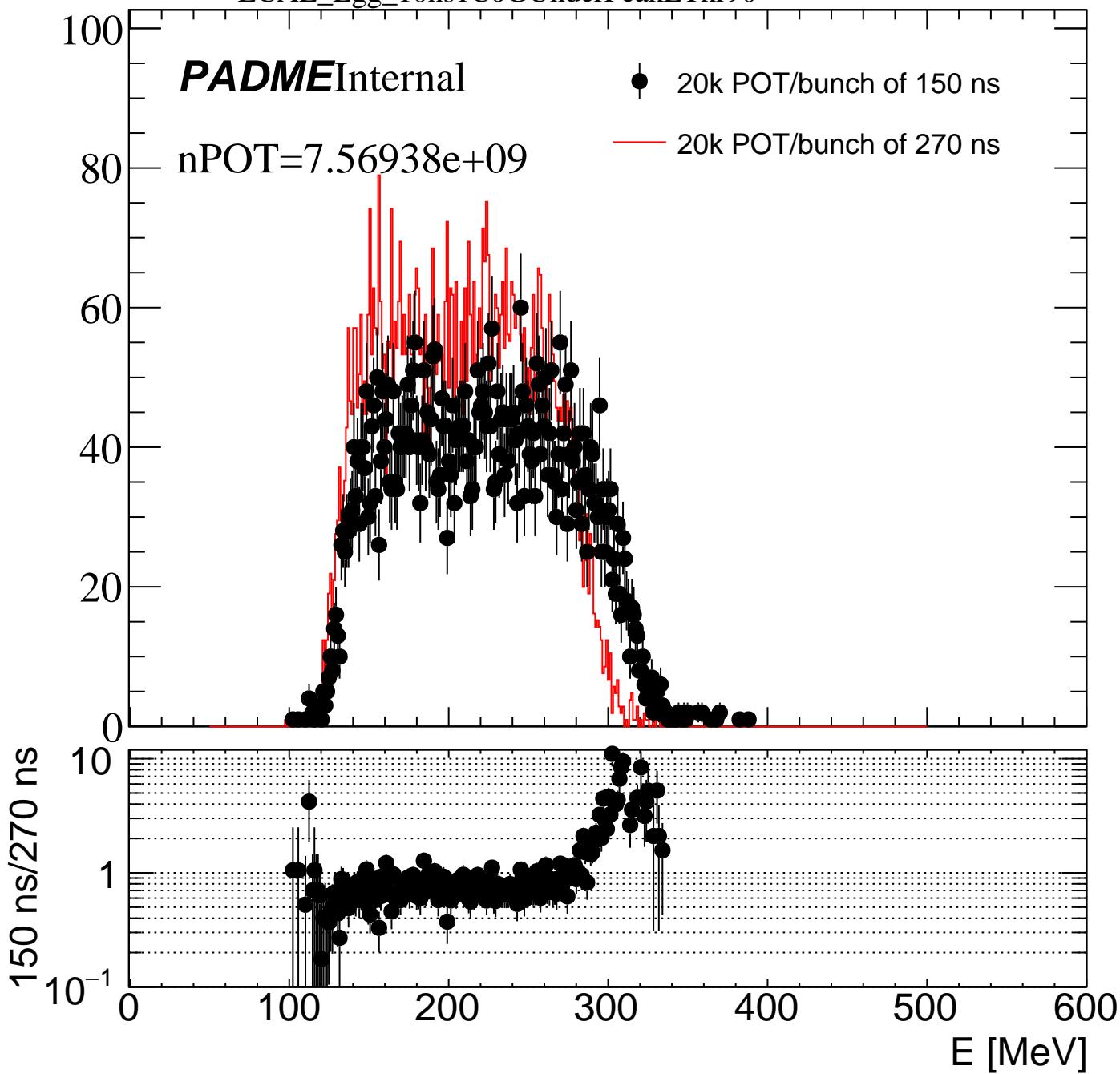




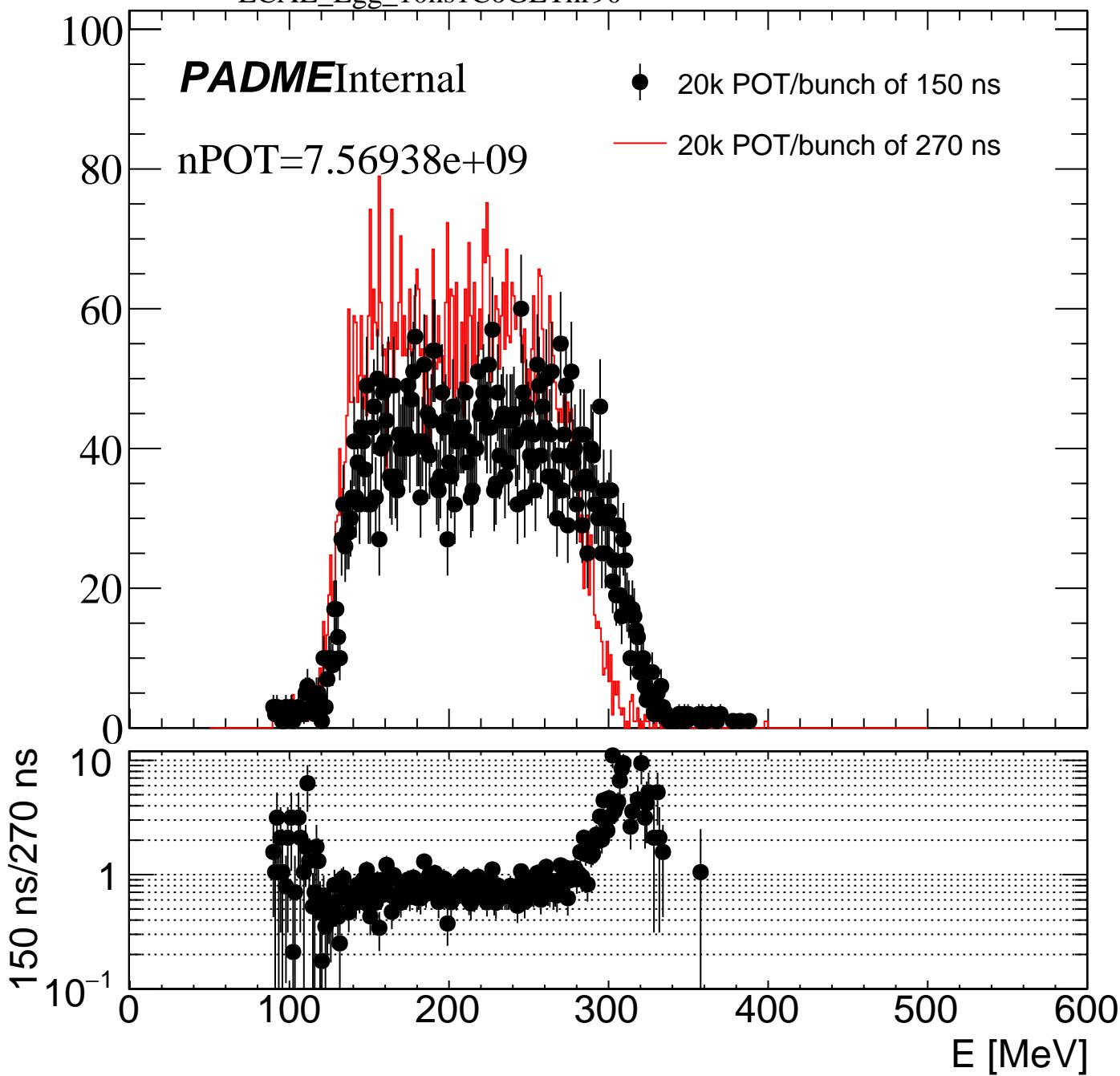
ECAL_Egg_10ns1CoGUnderPeak



ECAL_Egg_10ns1CoGUnderPeakEThr90



ECAL_Egg_10ns1CoGEThr90



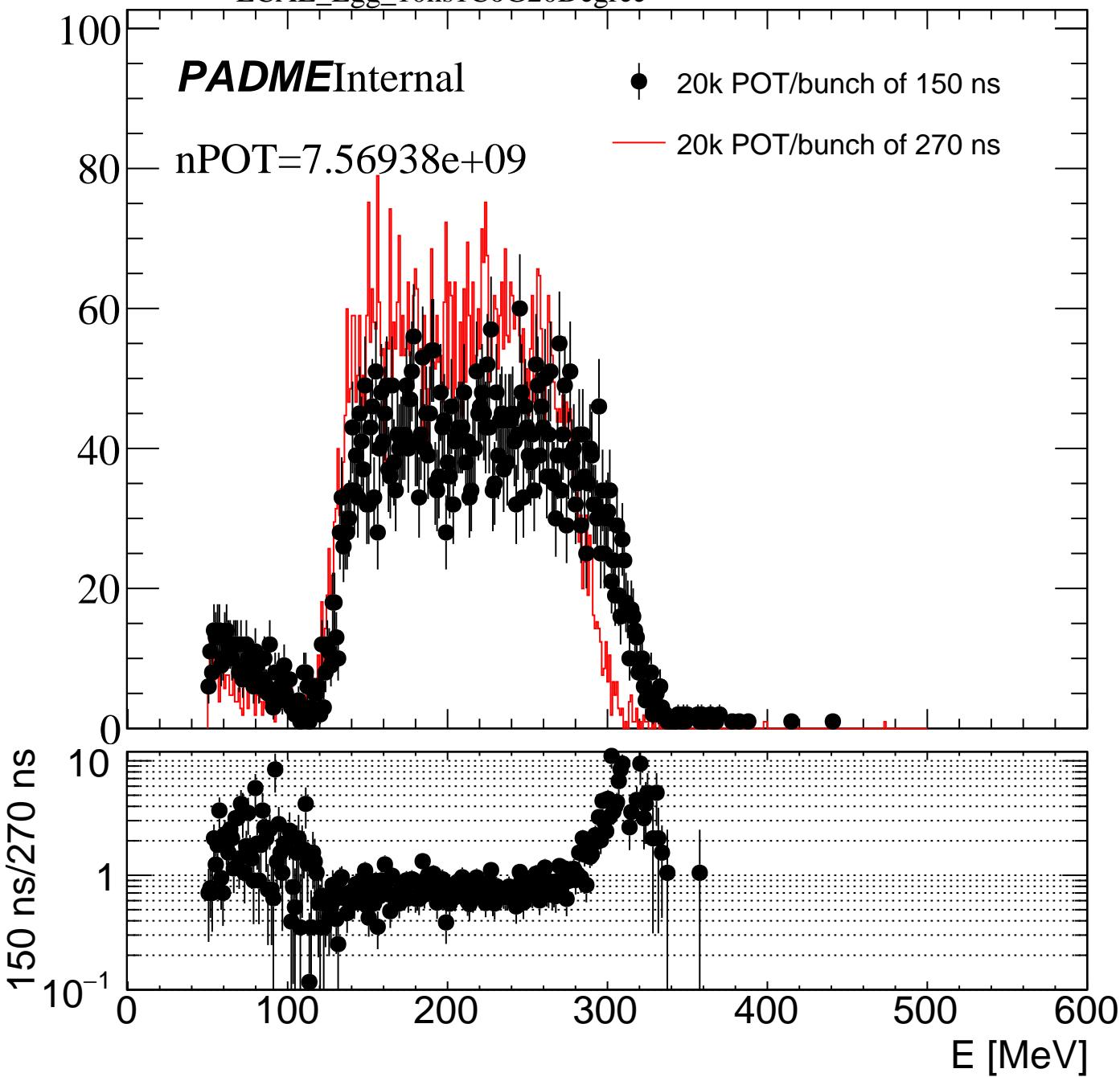
• 20k POT/bunch of 150 ns

— 20k POT/bunch of 270 ns

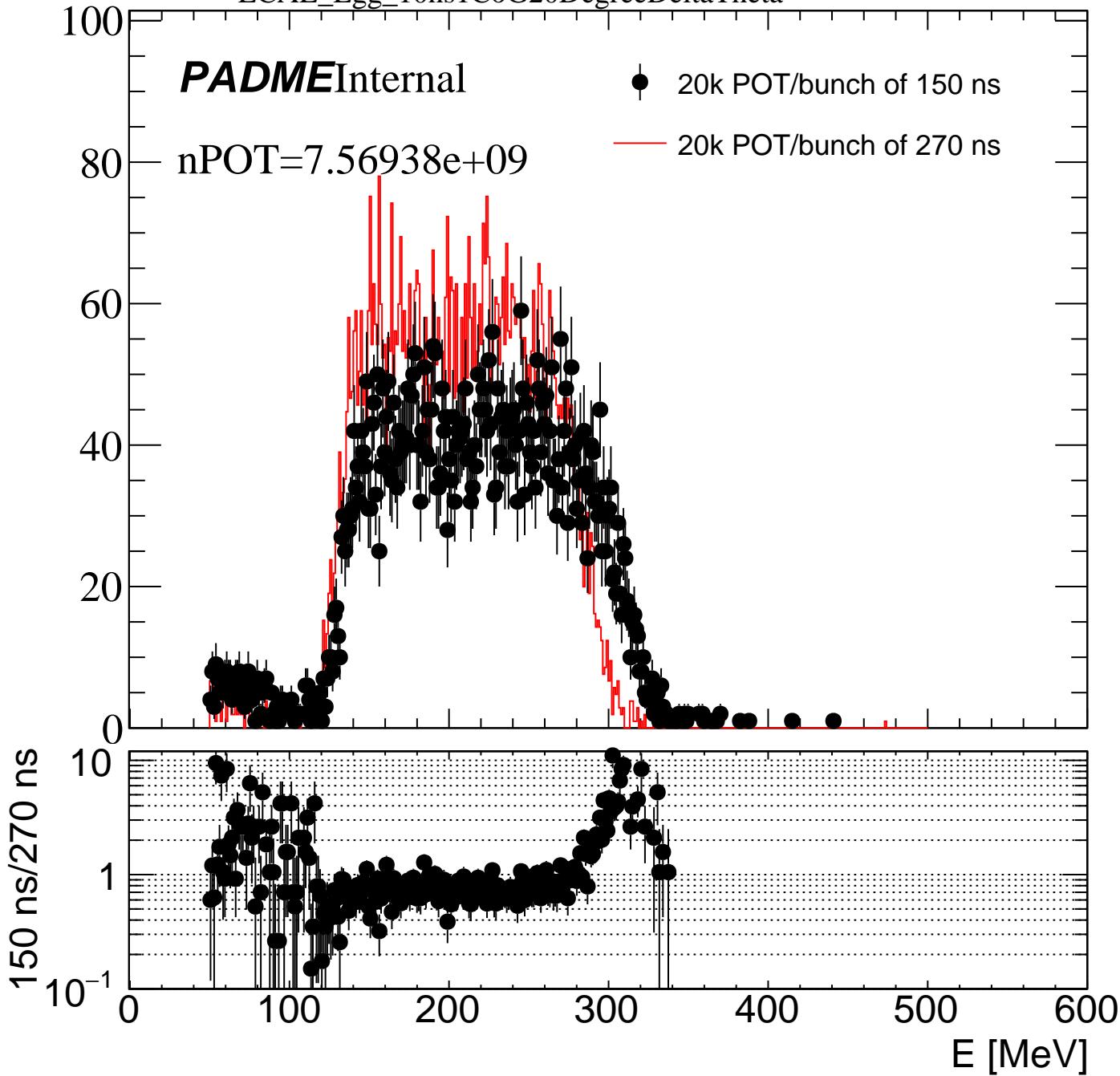
150 ns/270 ns

E [MeV]

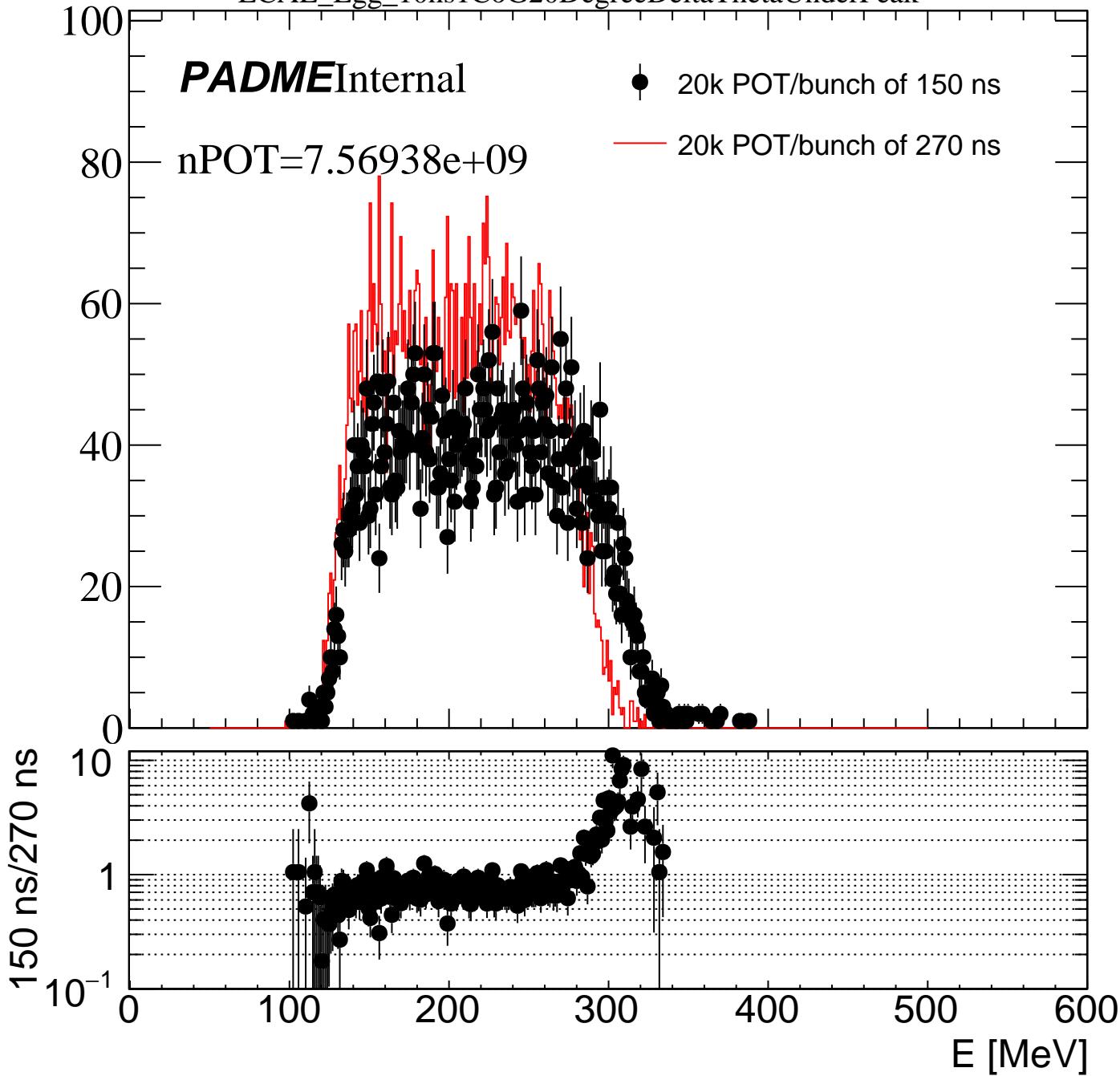
ECAL_Egg_10ns1CoG20Degree



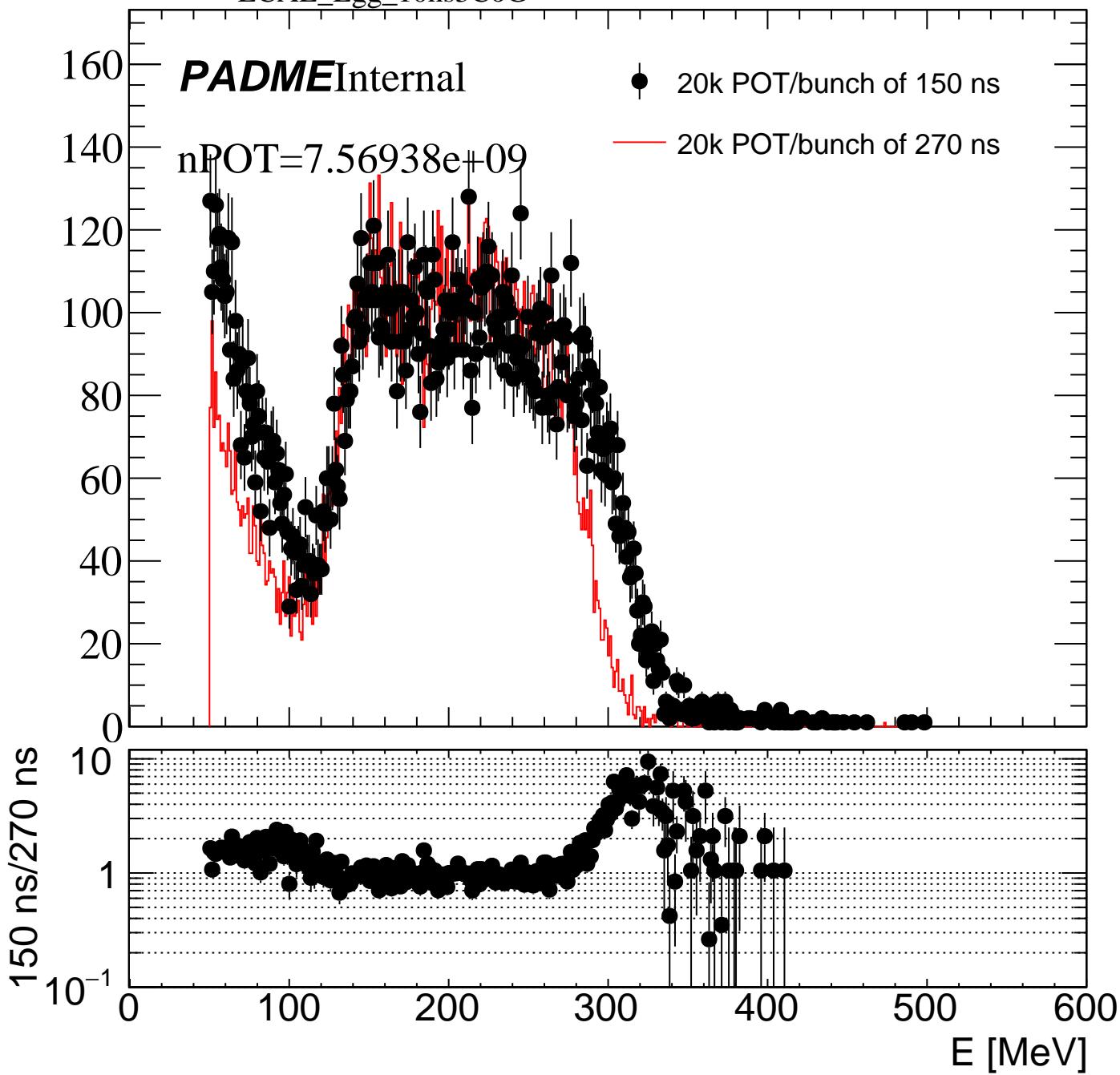
ECAL_Egg_10ns1CoG20DegreeDeltaTheta



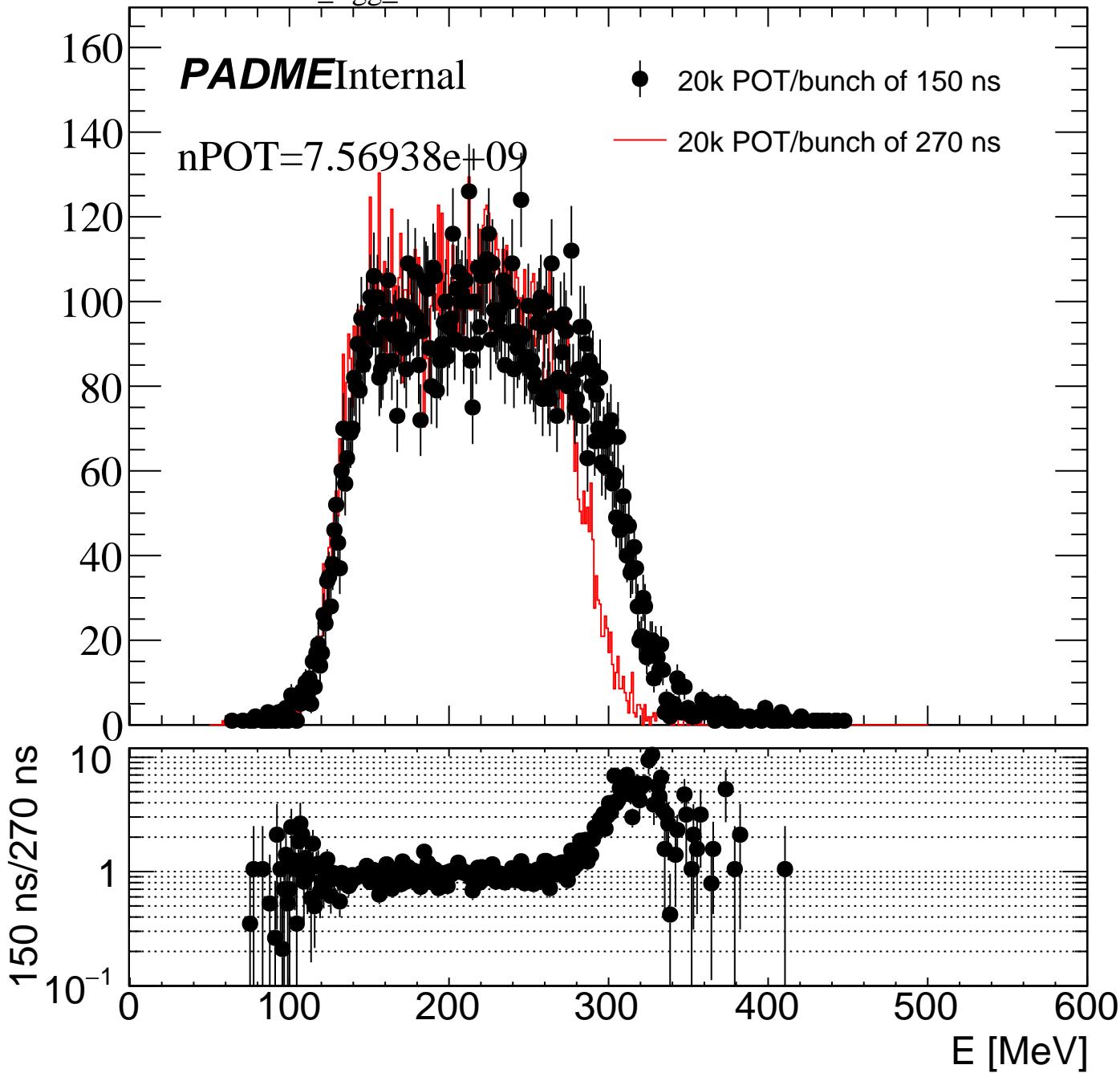
ECAL_Egg_10ns1CoG20DegreeDeltaThetaUnderPeak



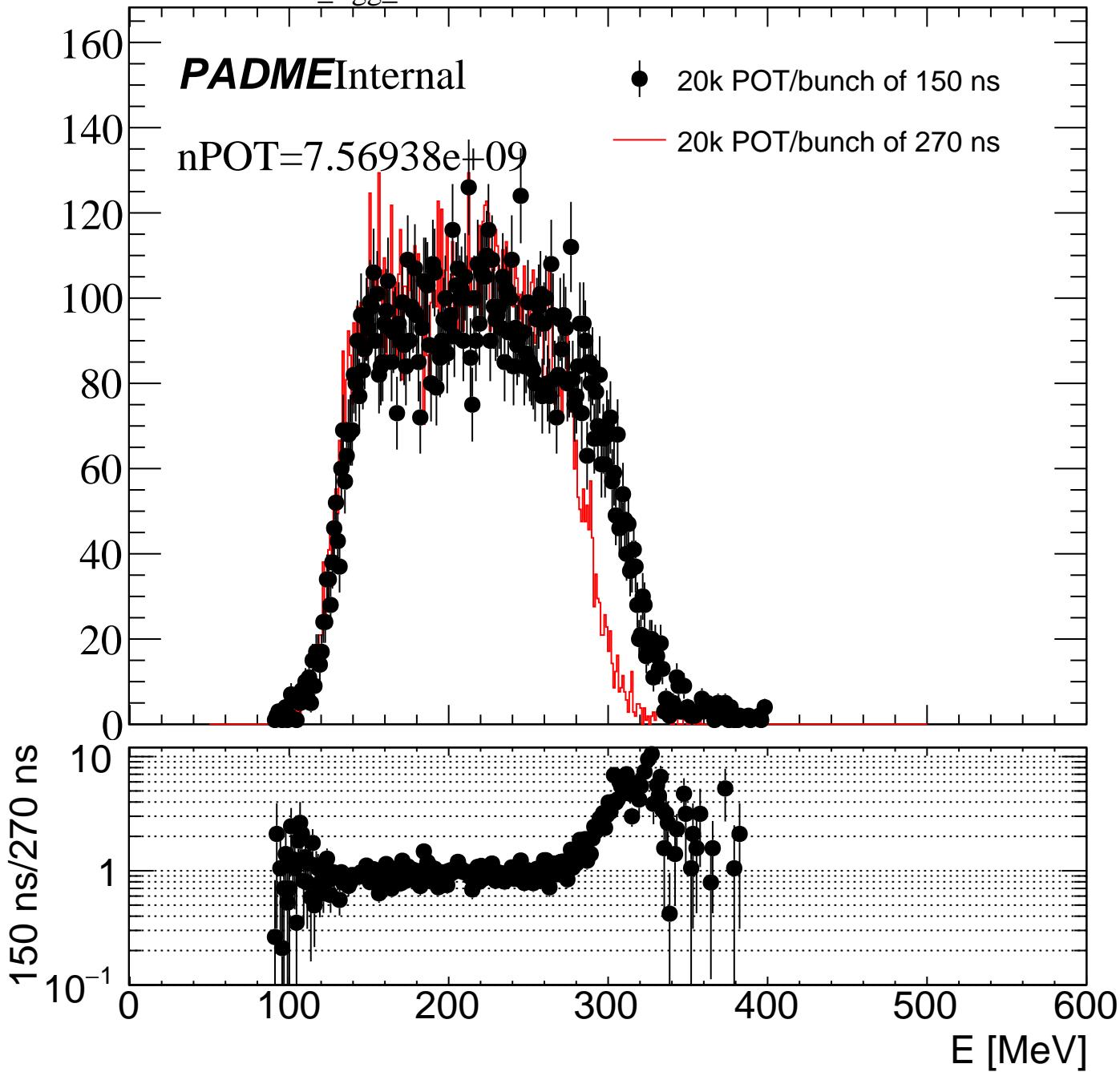
ECAL_Egg_10ns3CoG



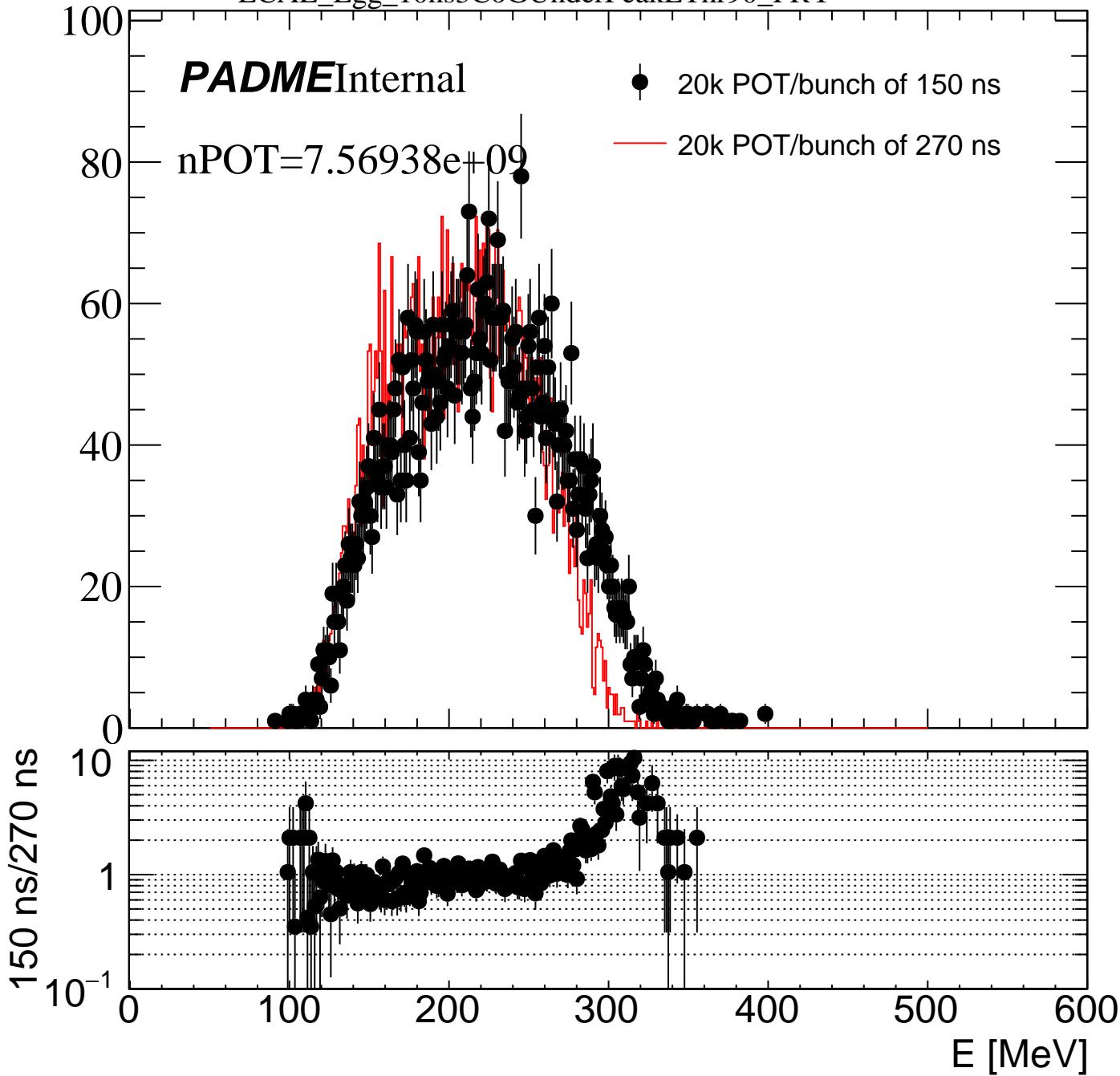
ECAL_Egg_10ns3CoGUnderPeak



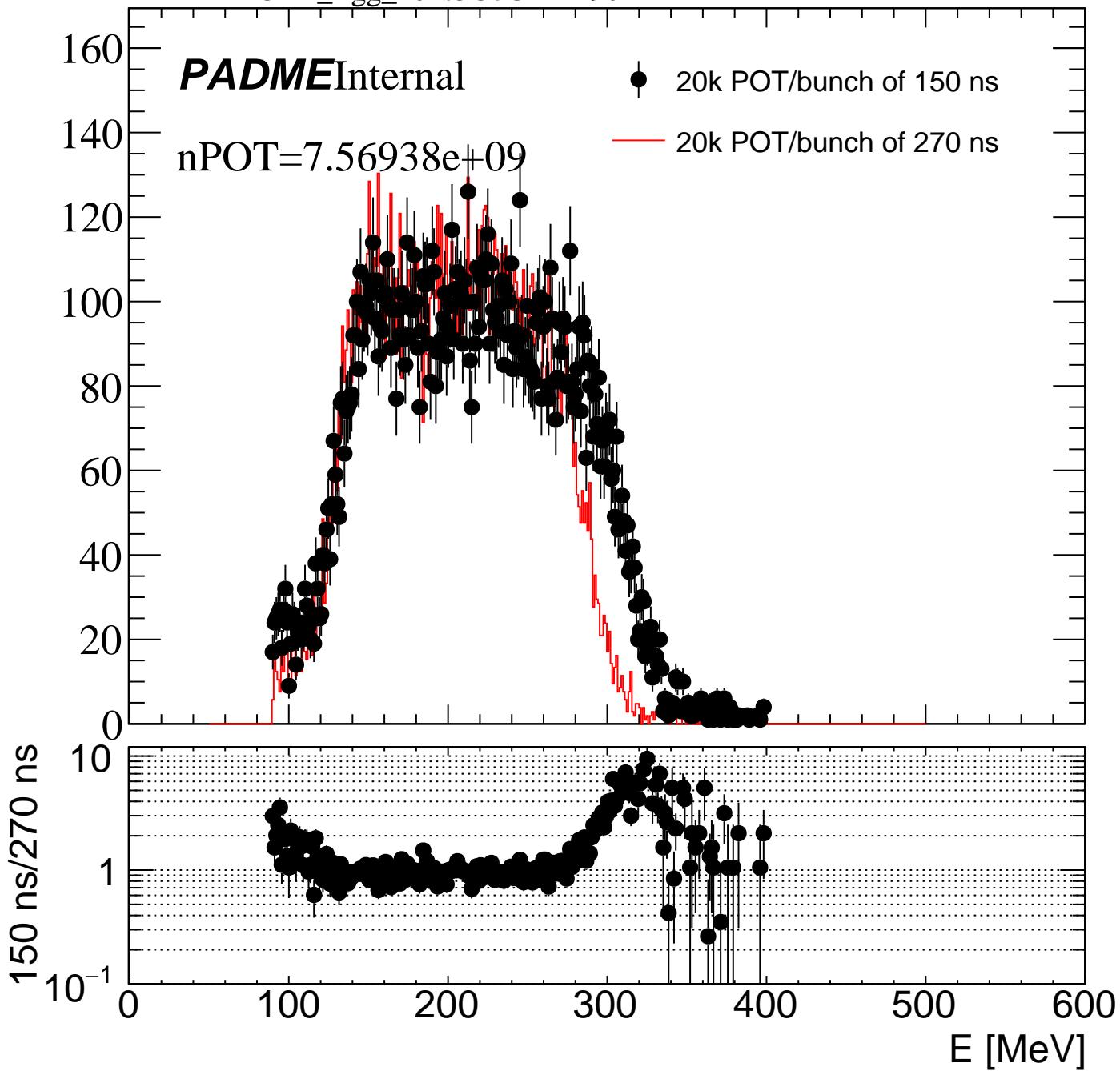
ECAL_Egg_10ns3CoGUnderPeakEThr90



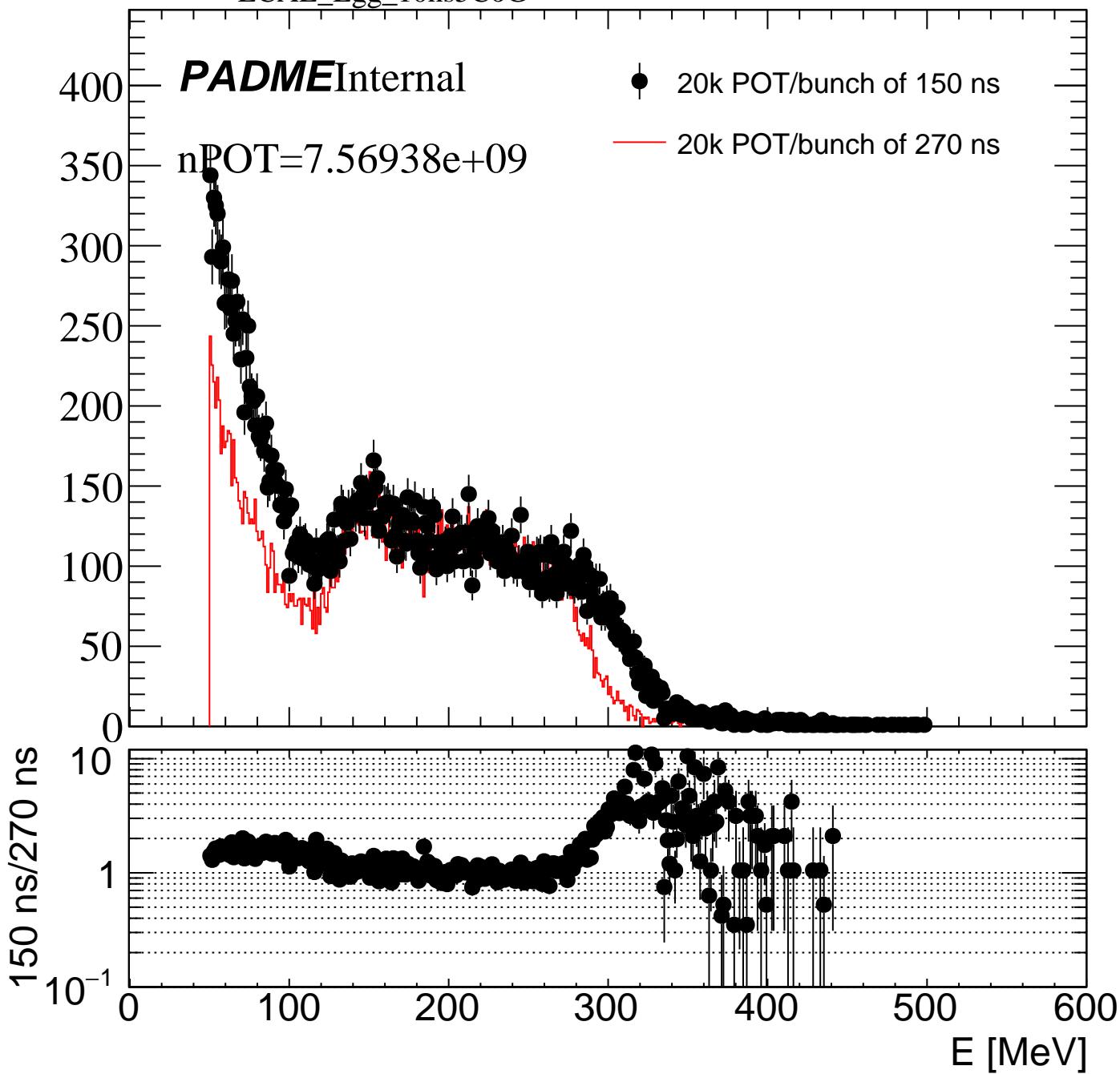
ECAL_Egg_10ns3CoGUnderPeakEThr90_FRY



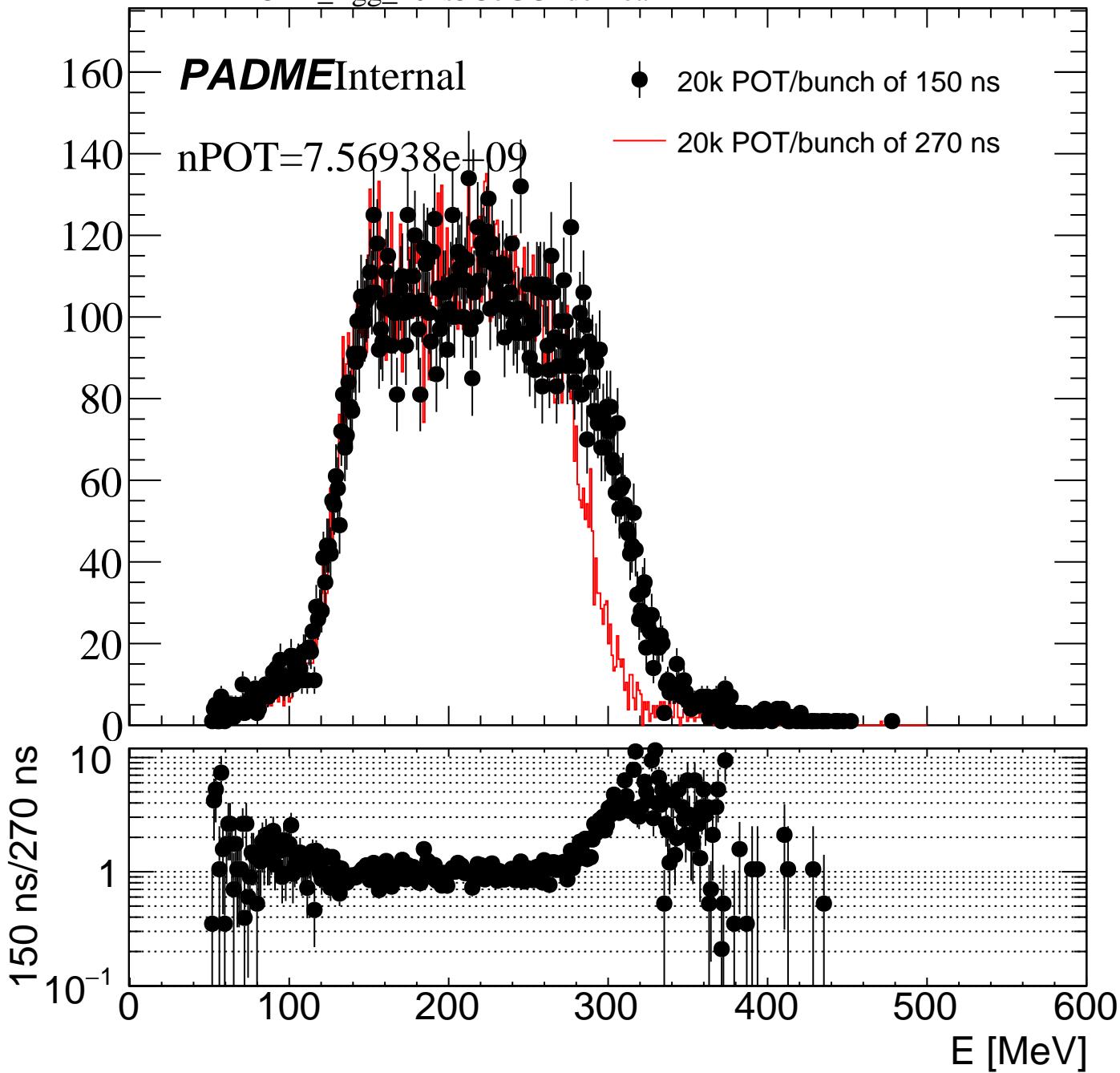
ECAL_Egg_10ns3CoGEThr90



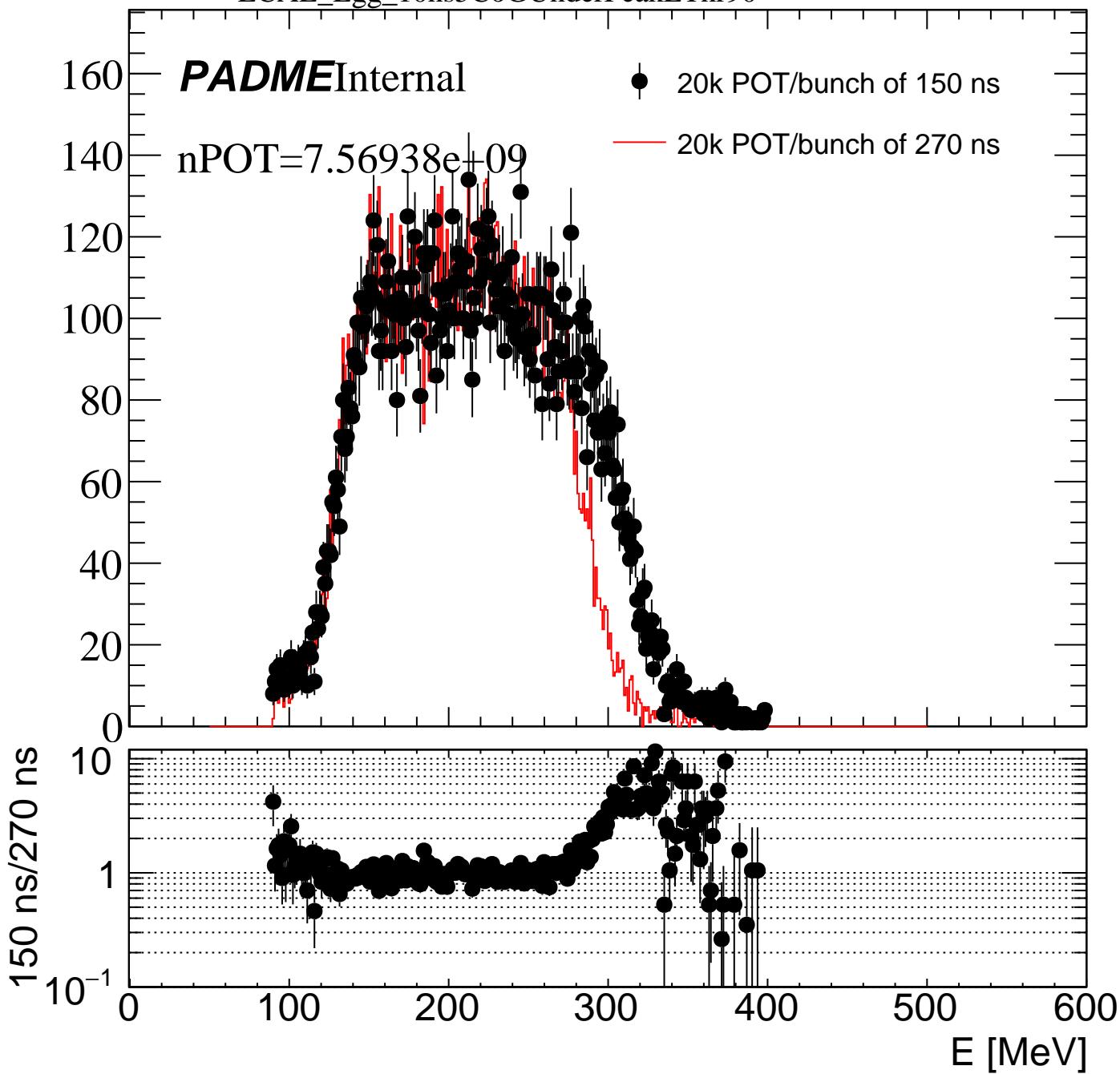
ECAL_Egg_10ns5CoG



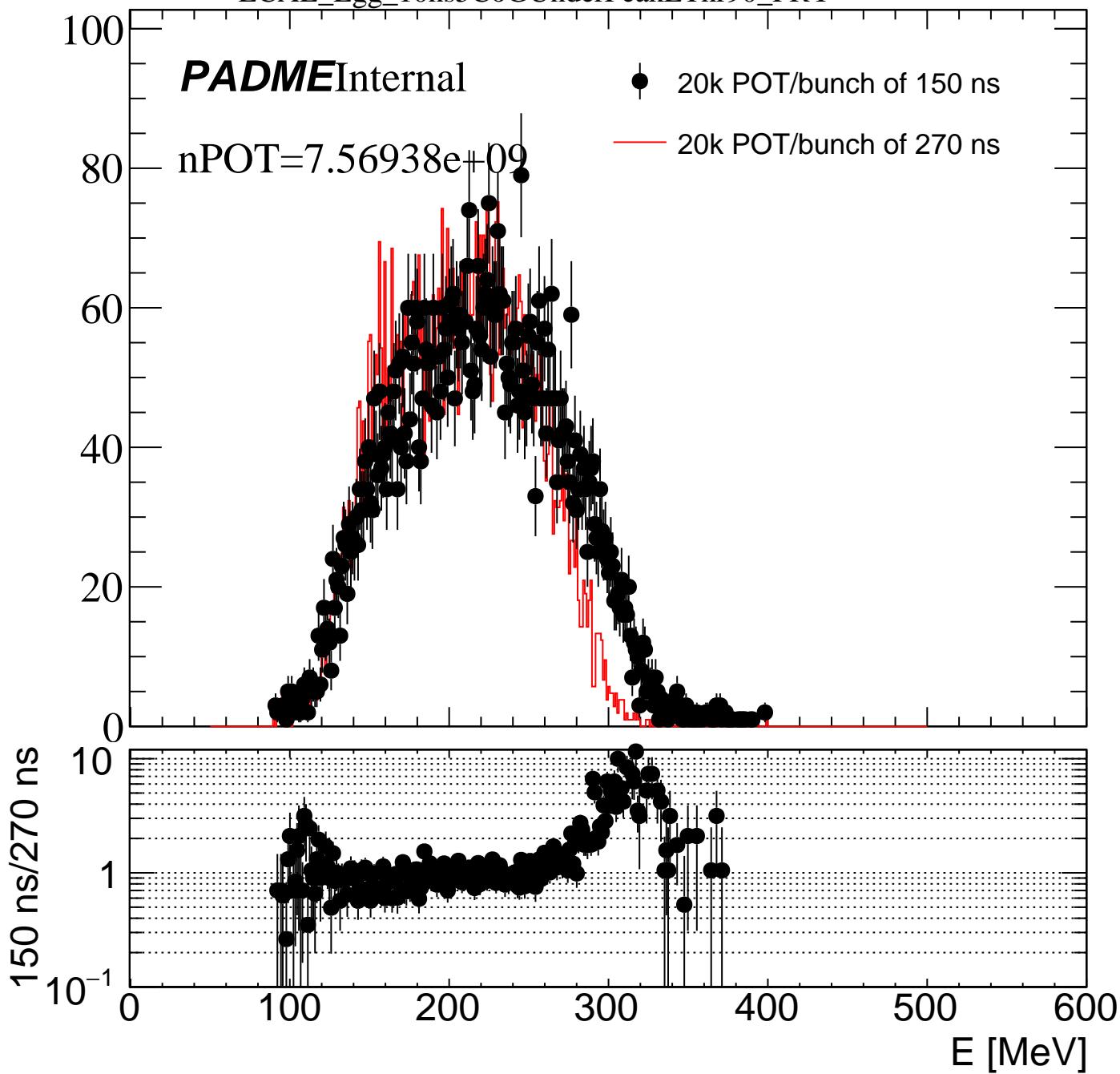
ECAL_Egg_10ns5CoGUnderPeak



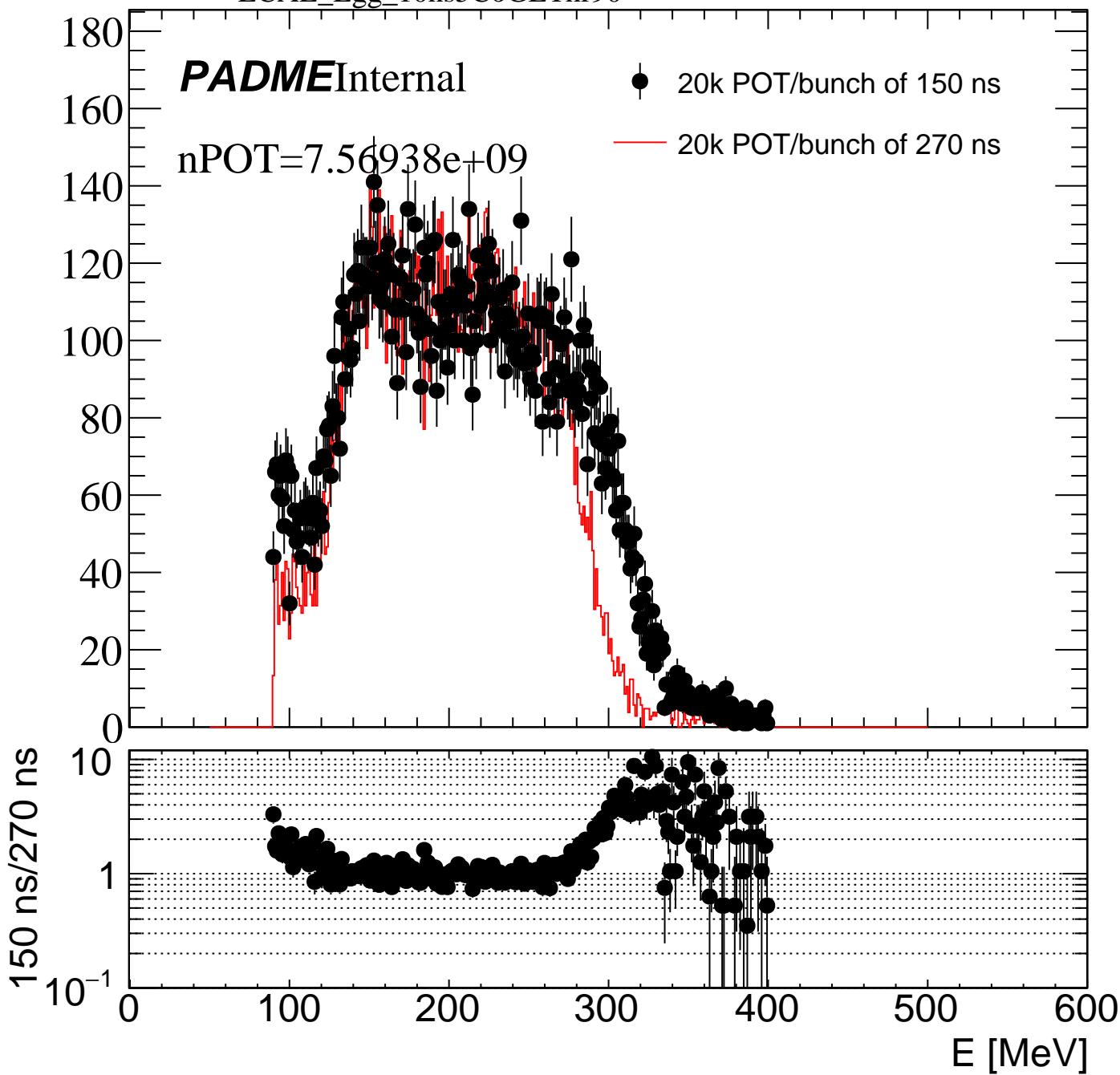
ECAL_Egg_10ns5CoGUnderPeakEThr90



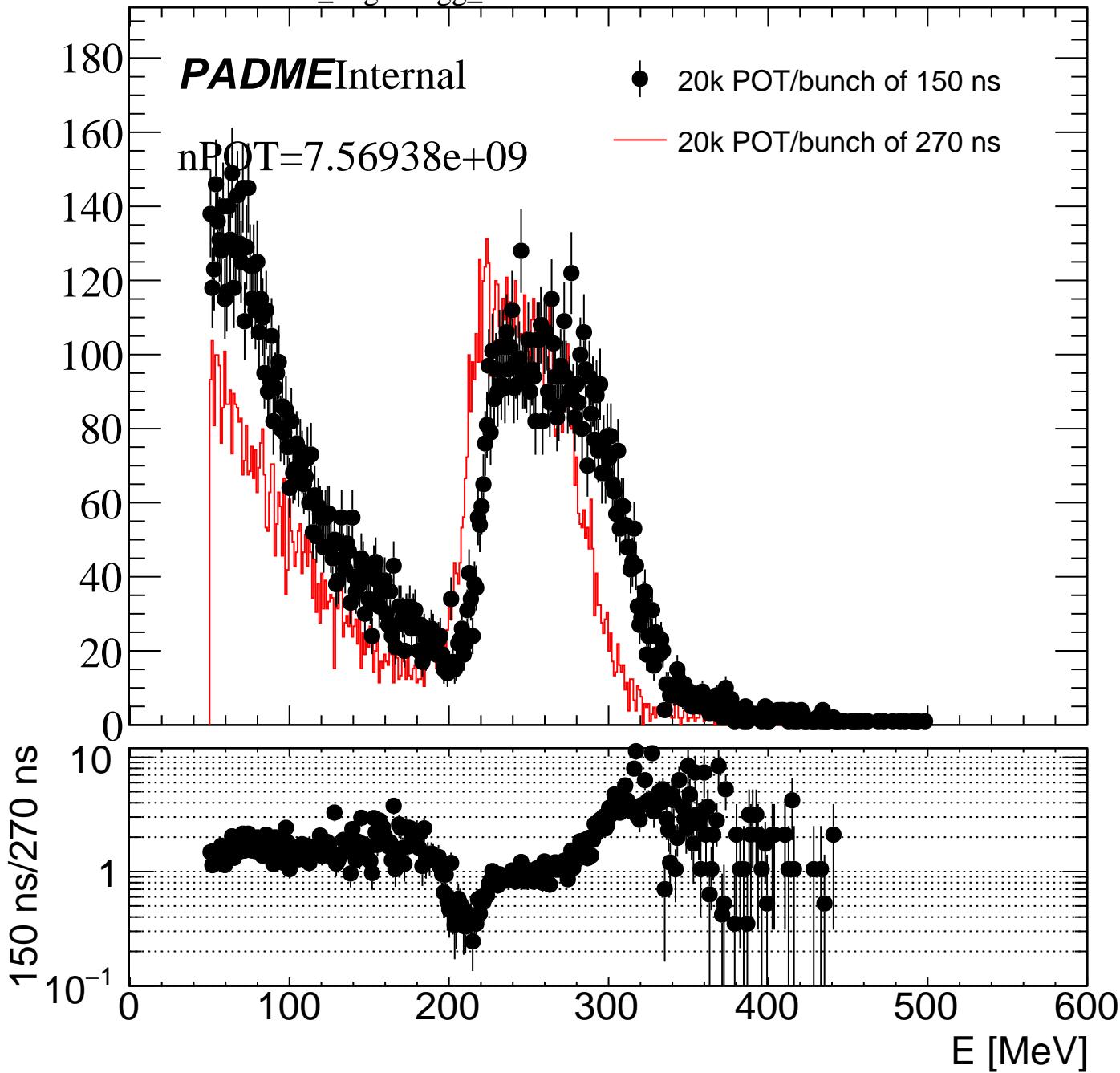
ECAL_Egg_10ns5CoGUnderPeakEThr90_FRY



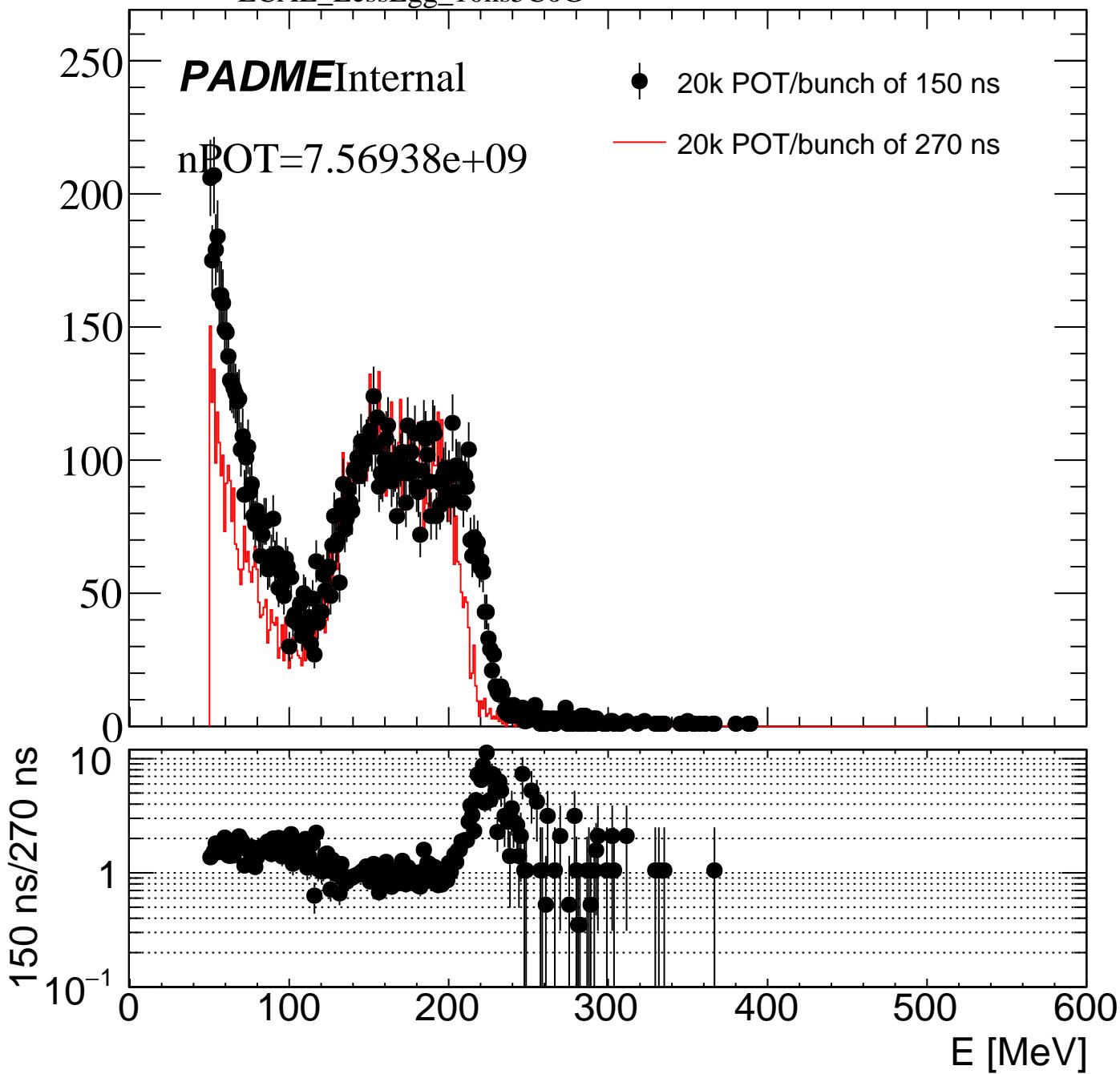
ECAL_Egg_10ns5CoGEThr90



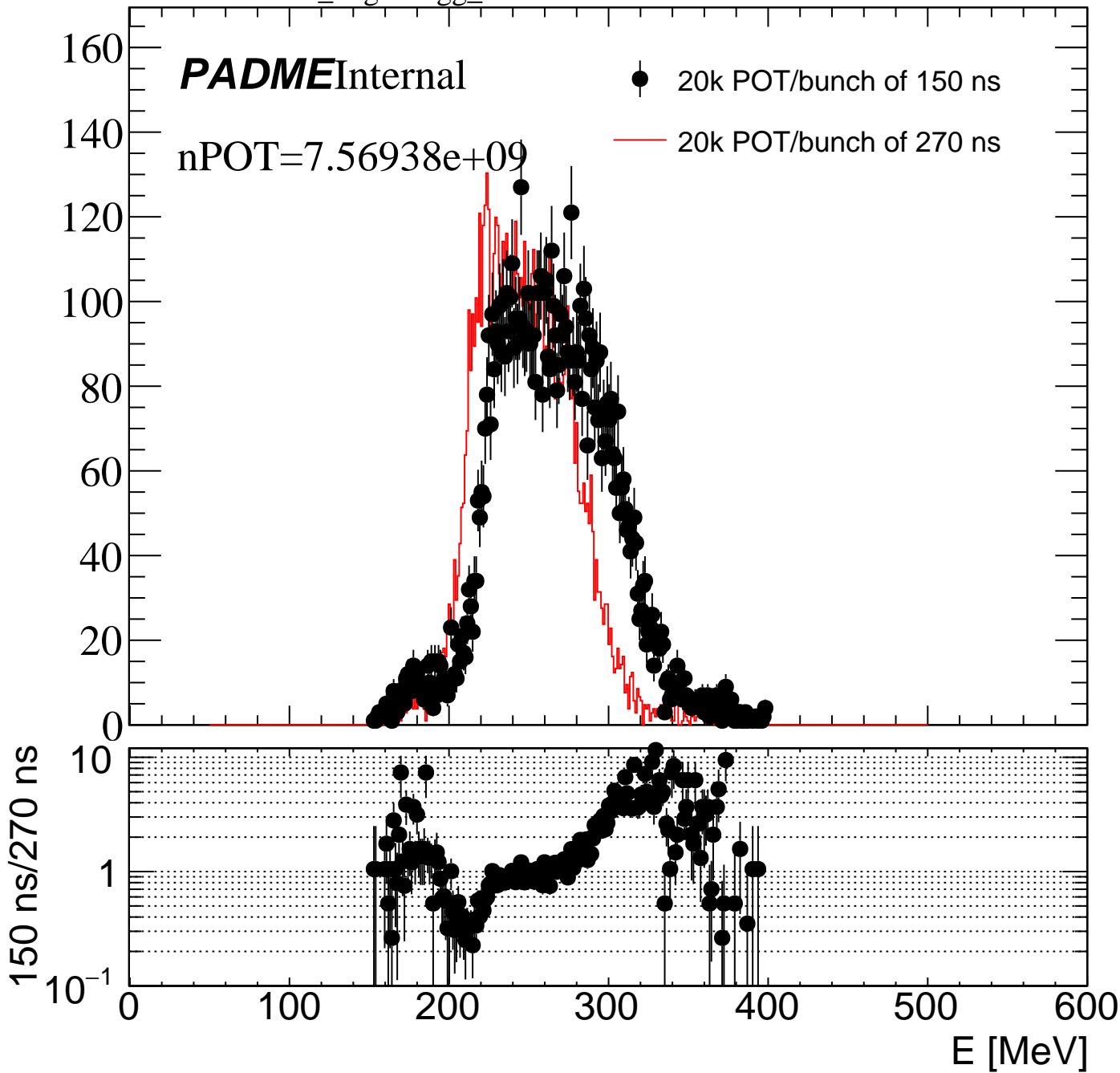
ECAL_HigherEgg_10ns5CoG



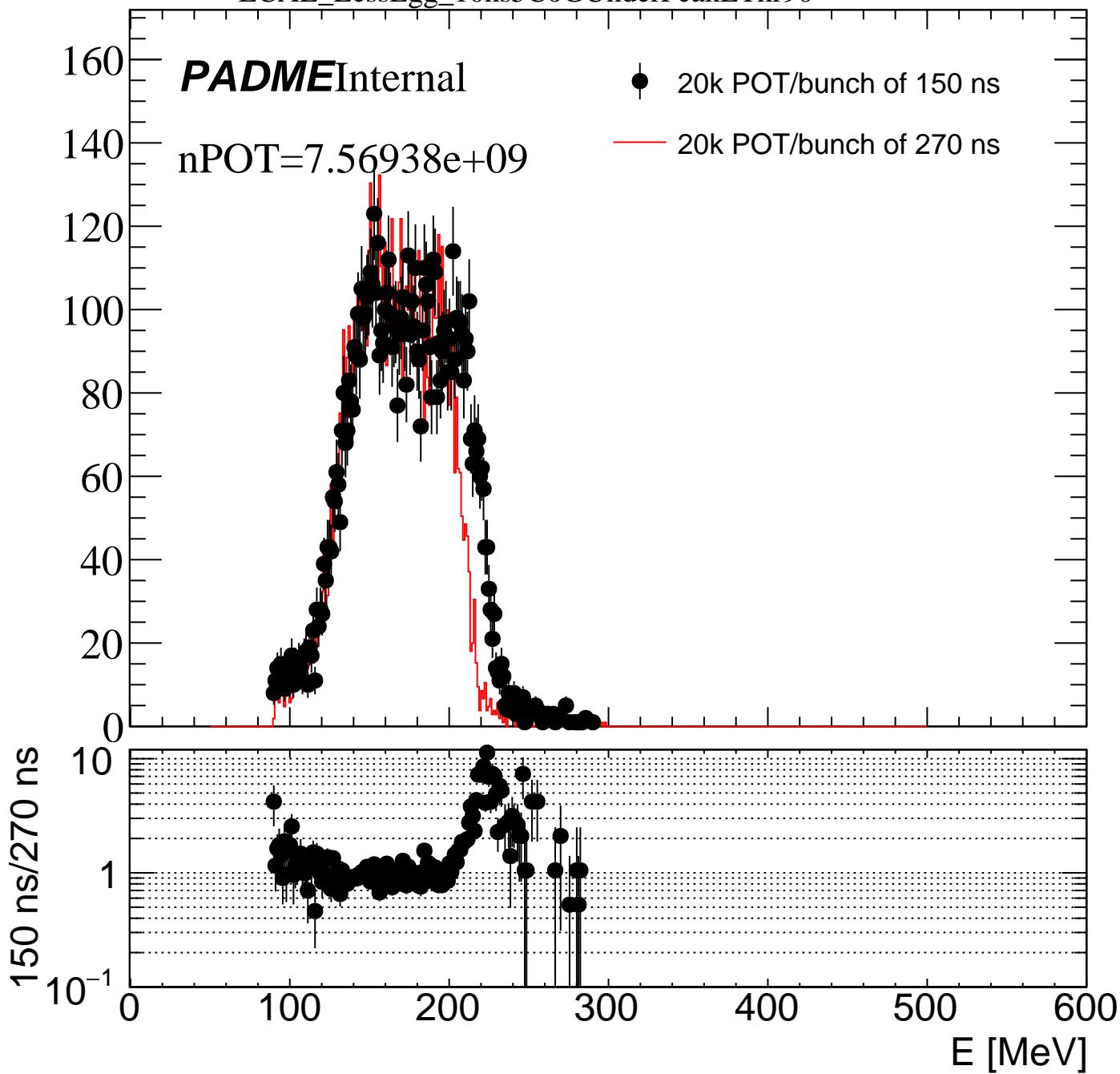
ECAL_LessEgg_10ns5CoG

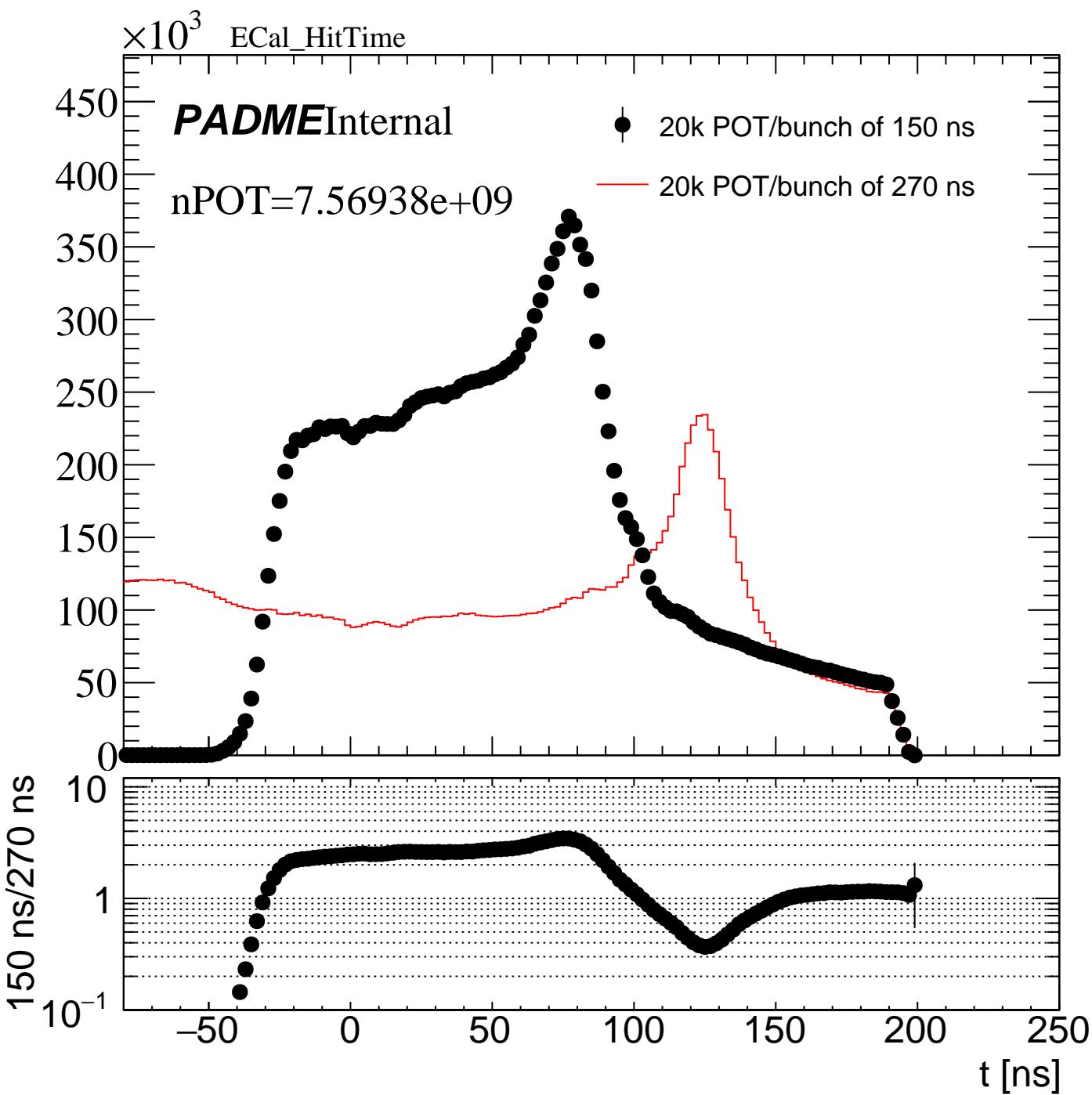


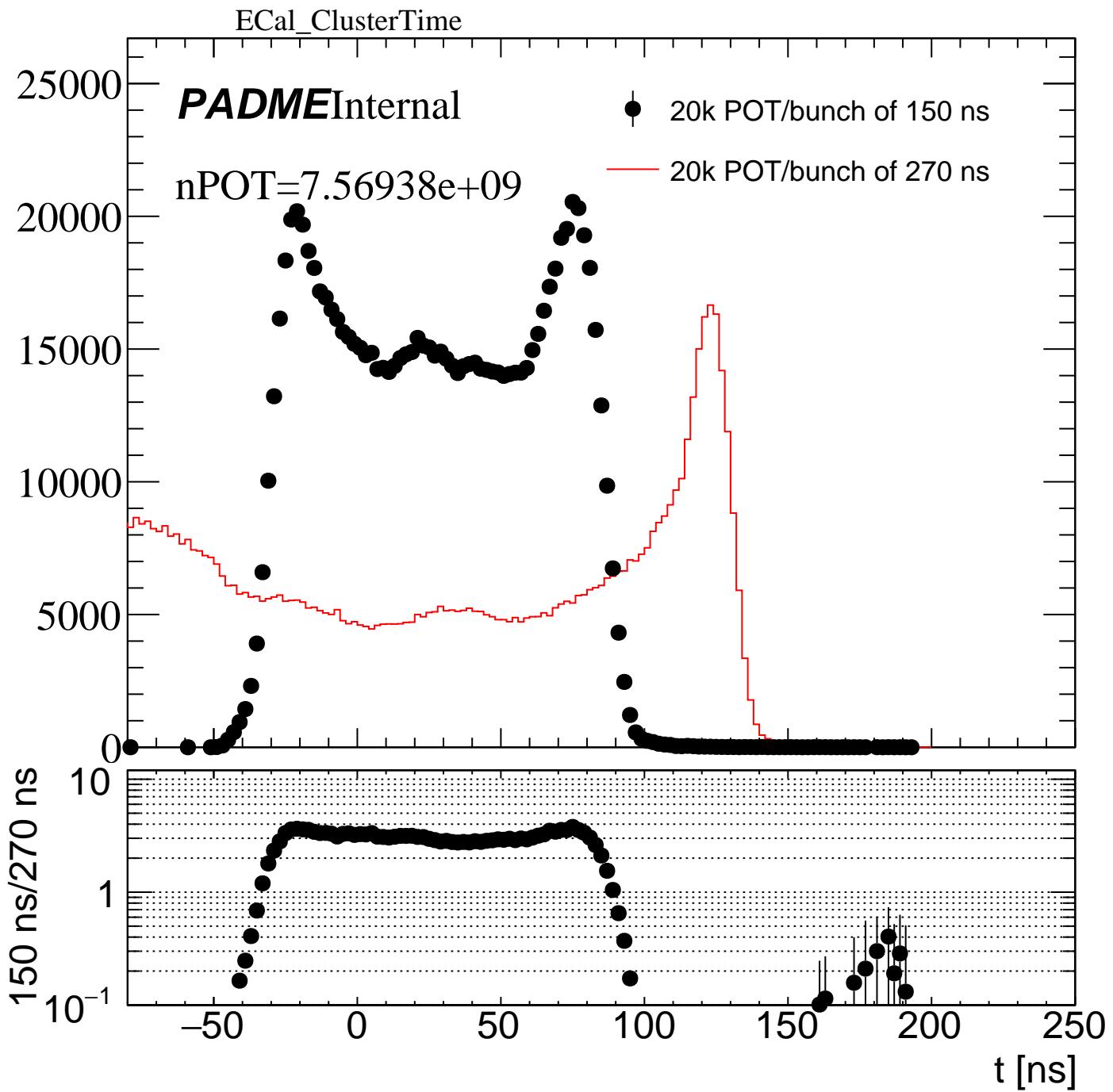
ECAL_HigherEgg_10ns5CoGUnderPeakEThr90

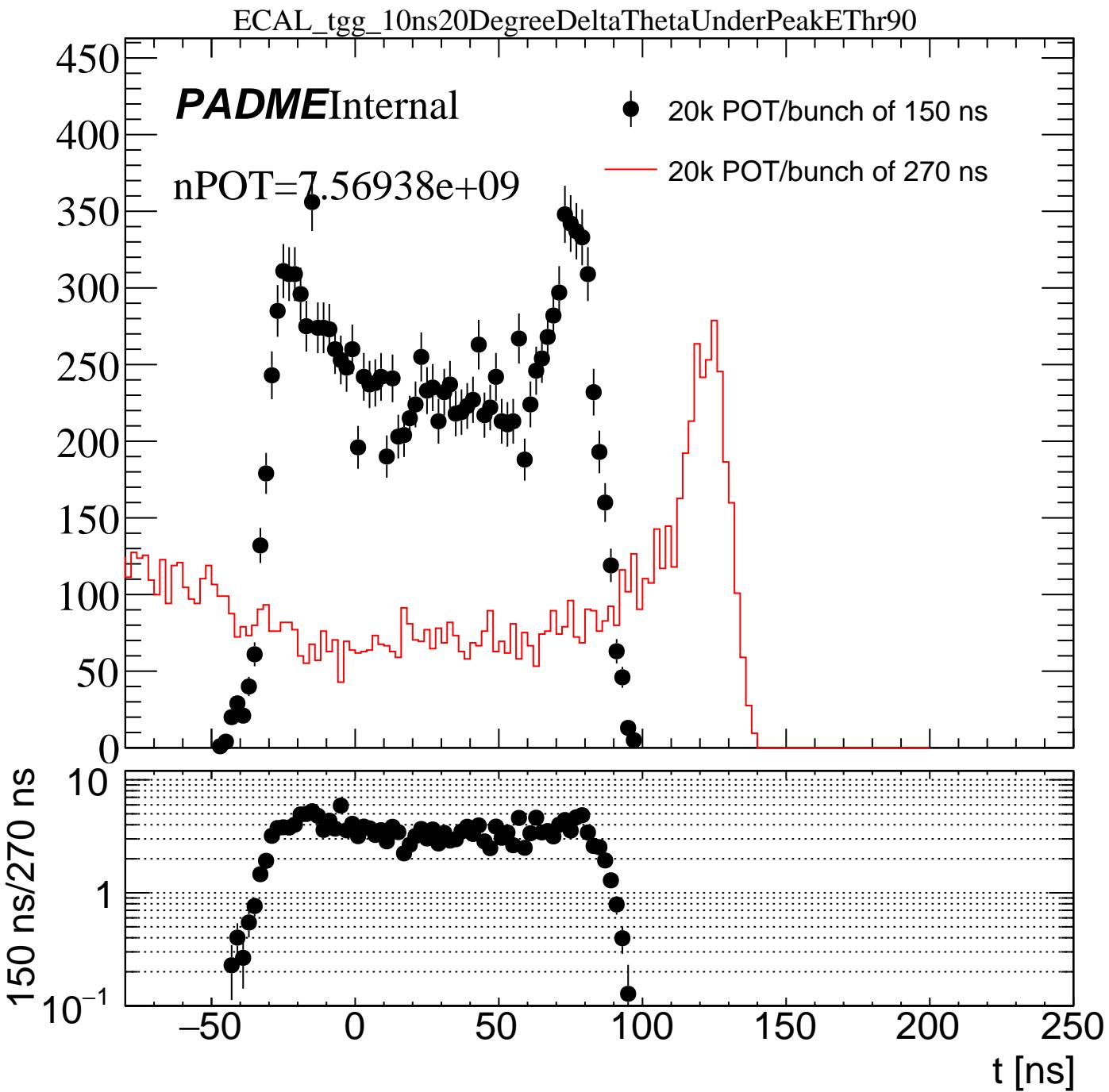


ECAL_LessEgg_10ns5CoGUnderPeakEThr90

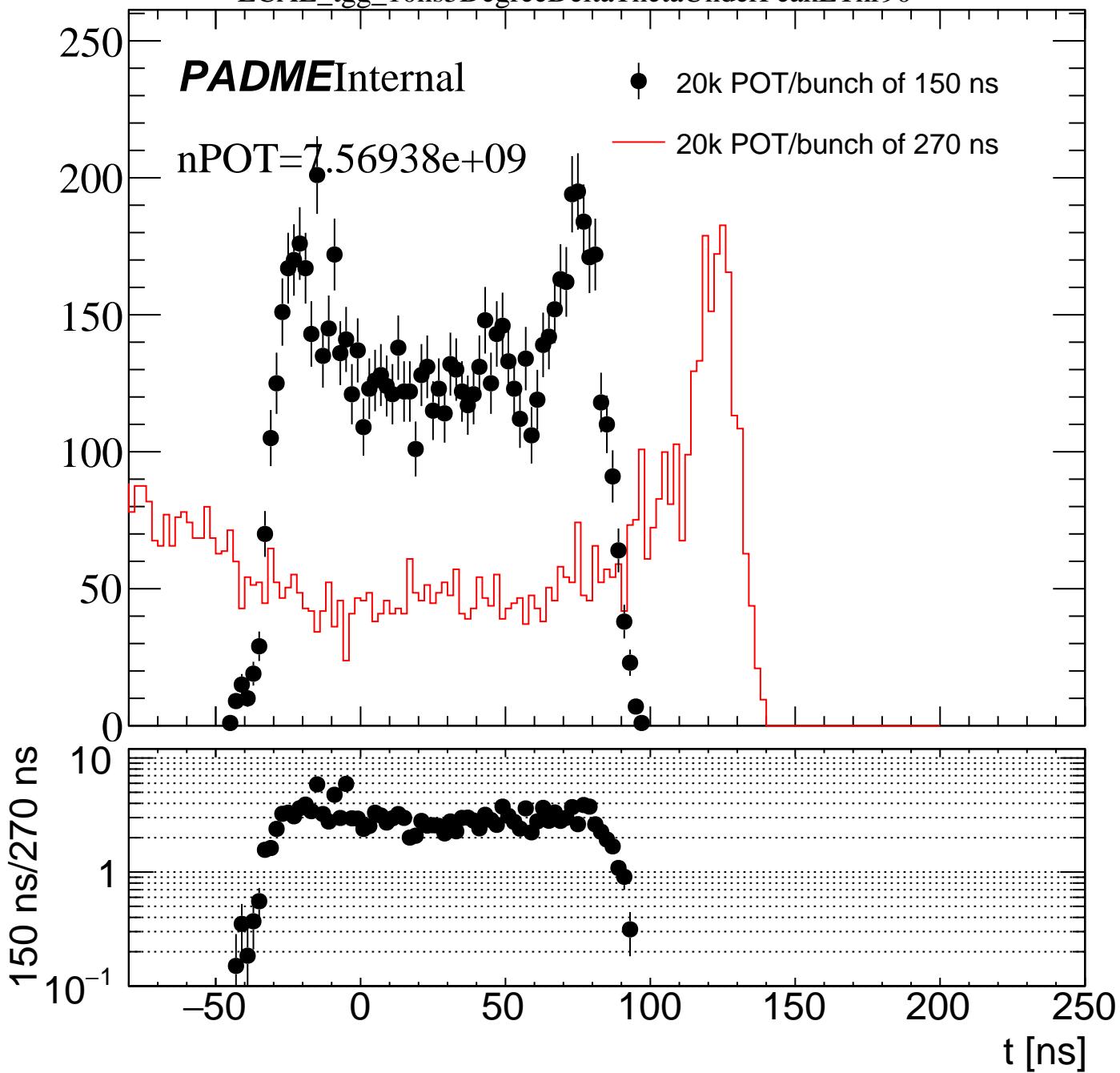




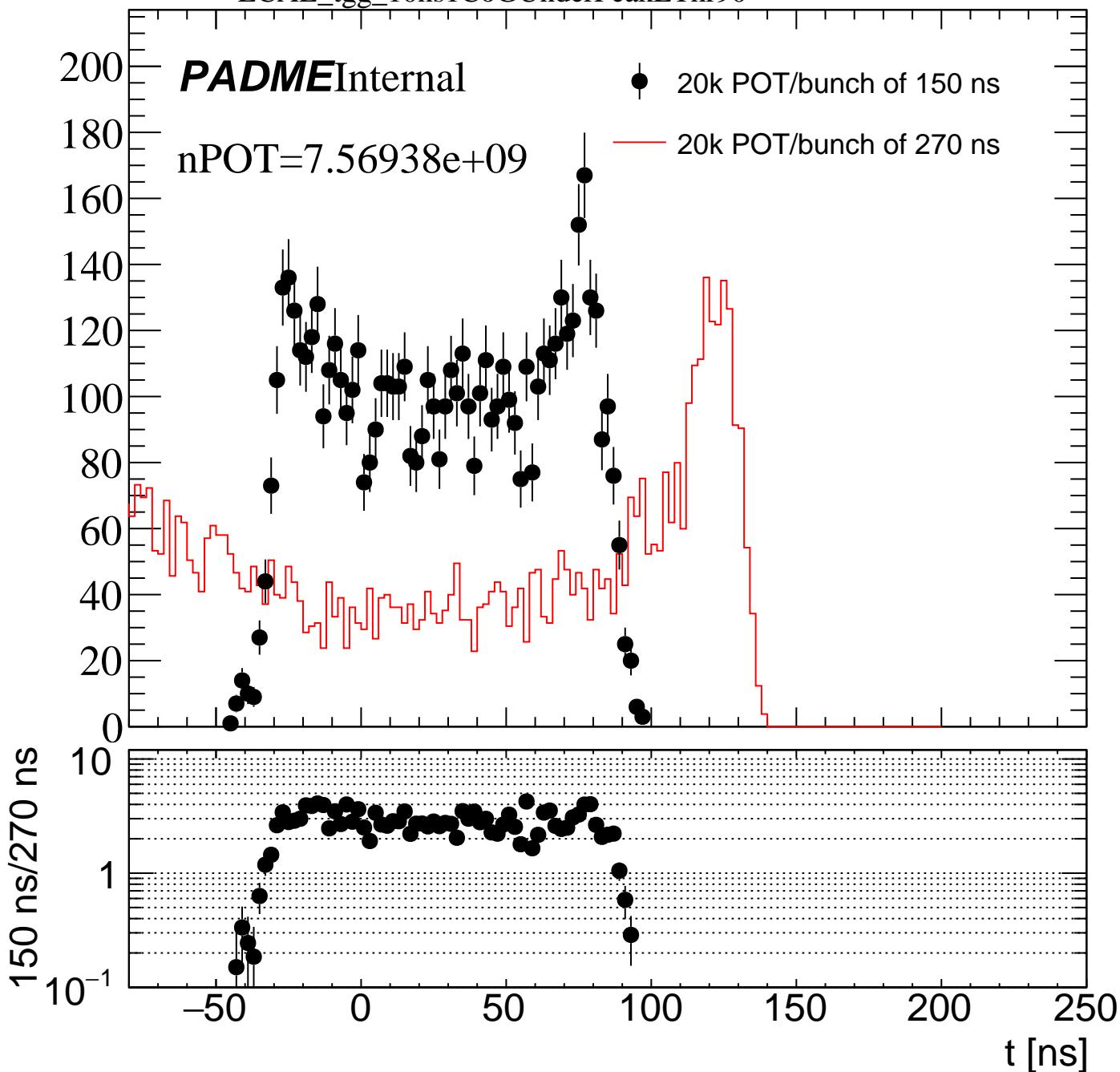




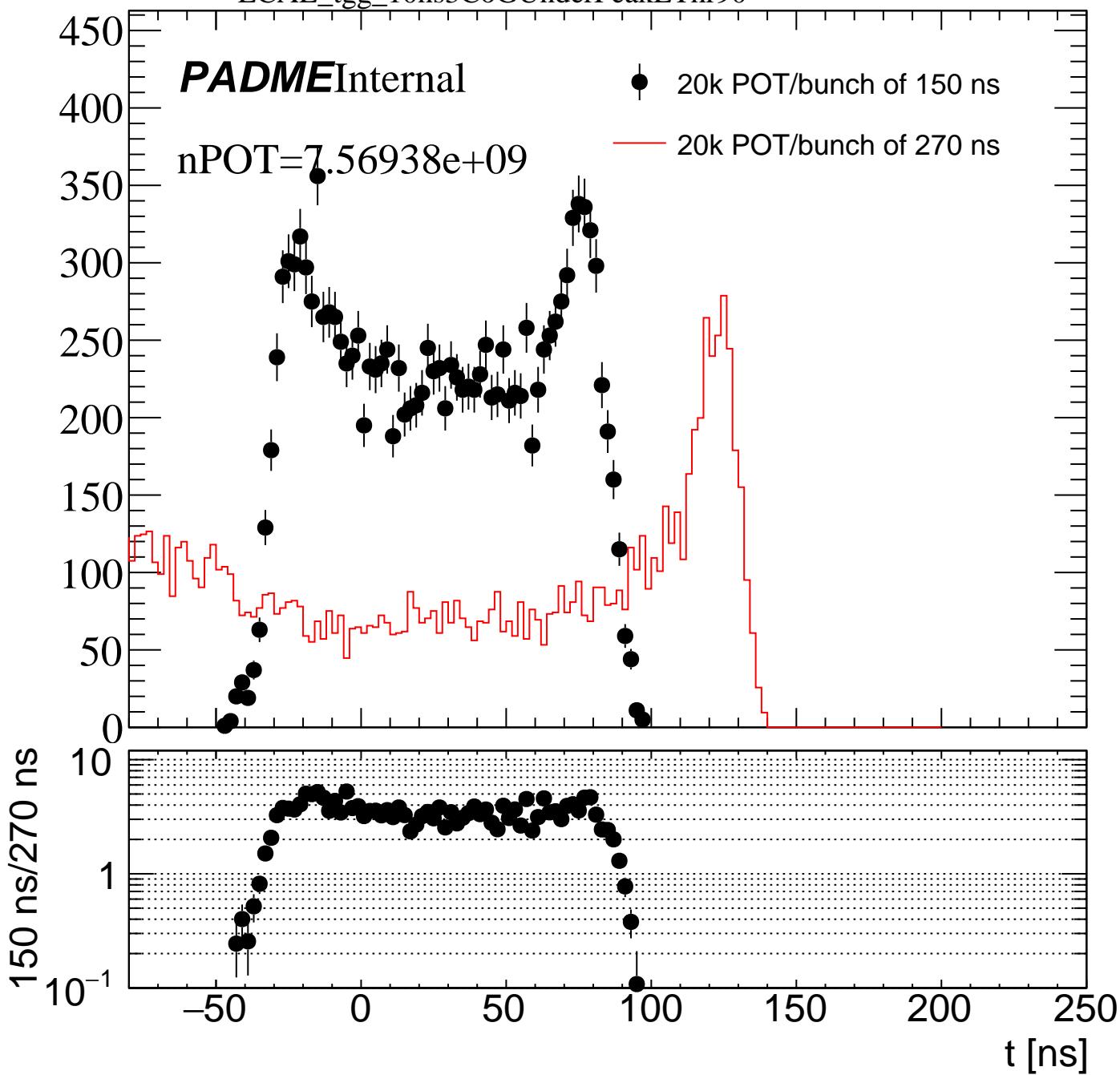
ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90



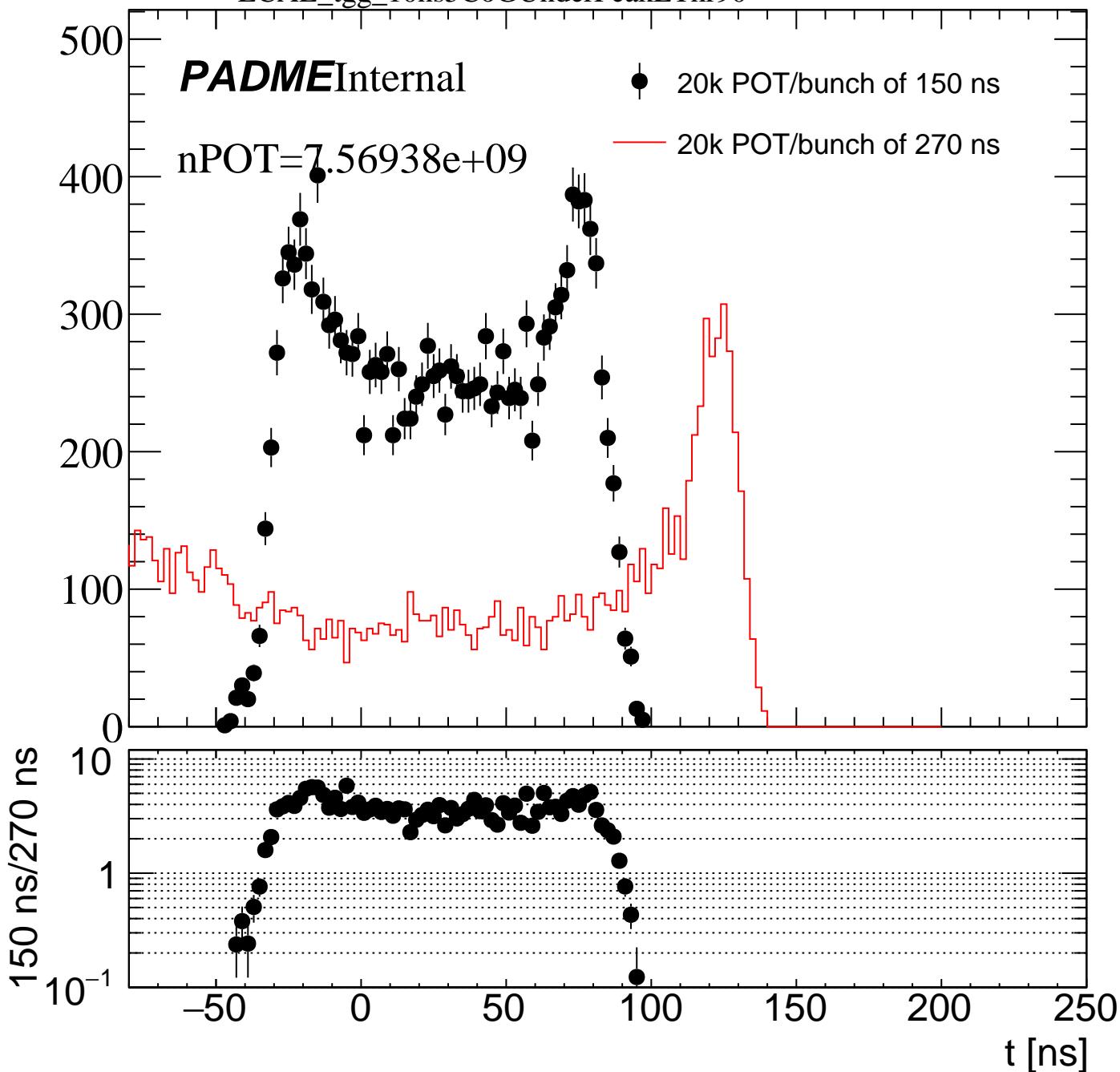
ECAL_tgg_10ns1CoGUnderPeakEThr90



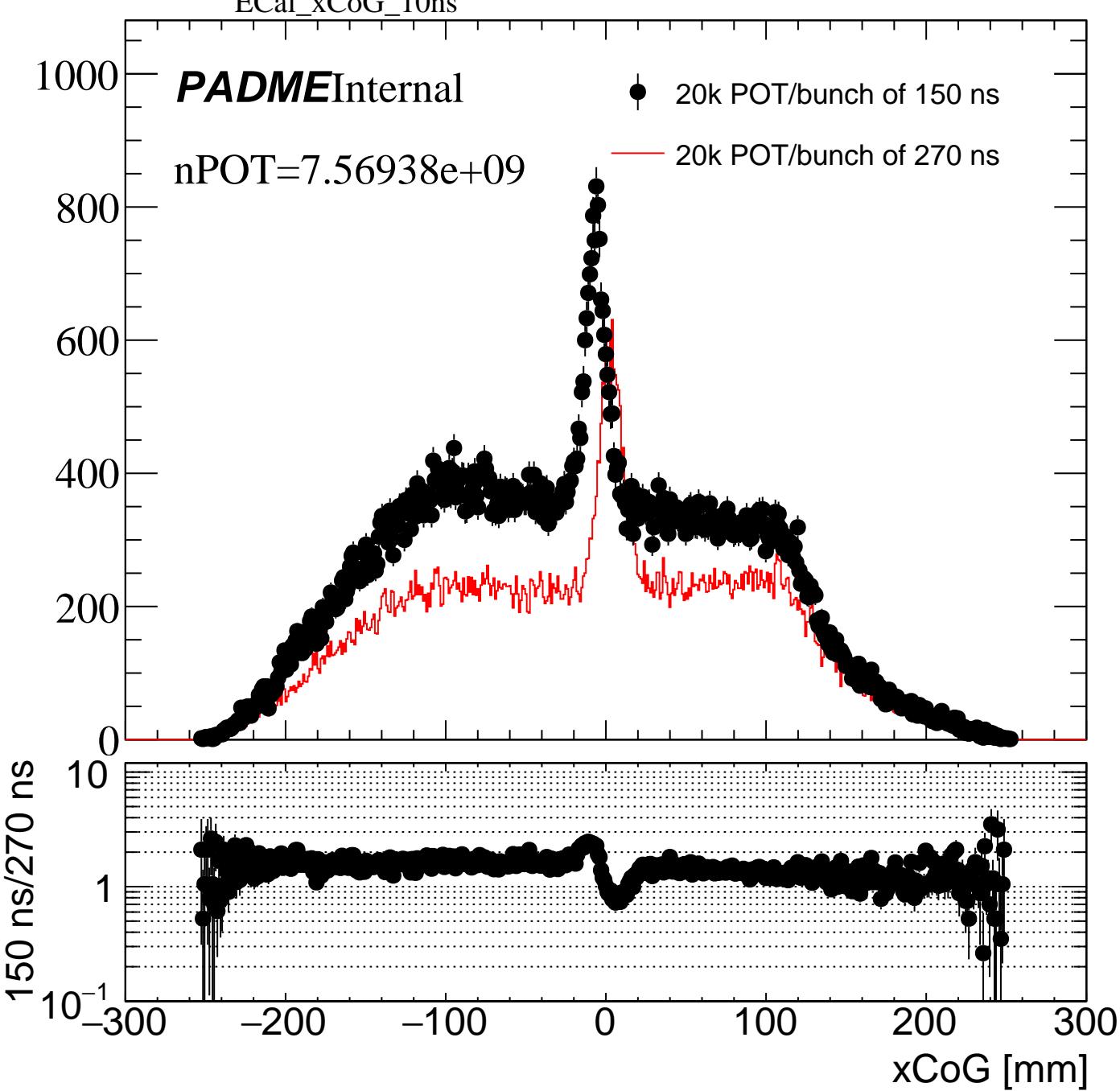
ECAL_tgg_10ns3CoGUnderPeakEThr90



ECAL_tgg_10ns5CoGUnderPeakEThr90



ECal_xCoG_10ns



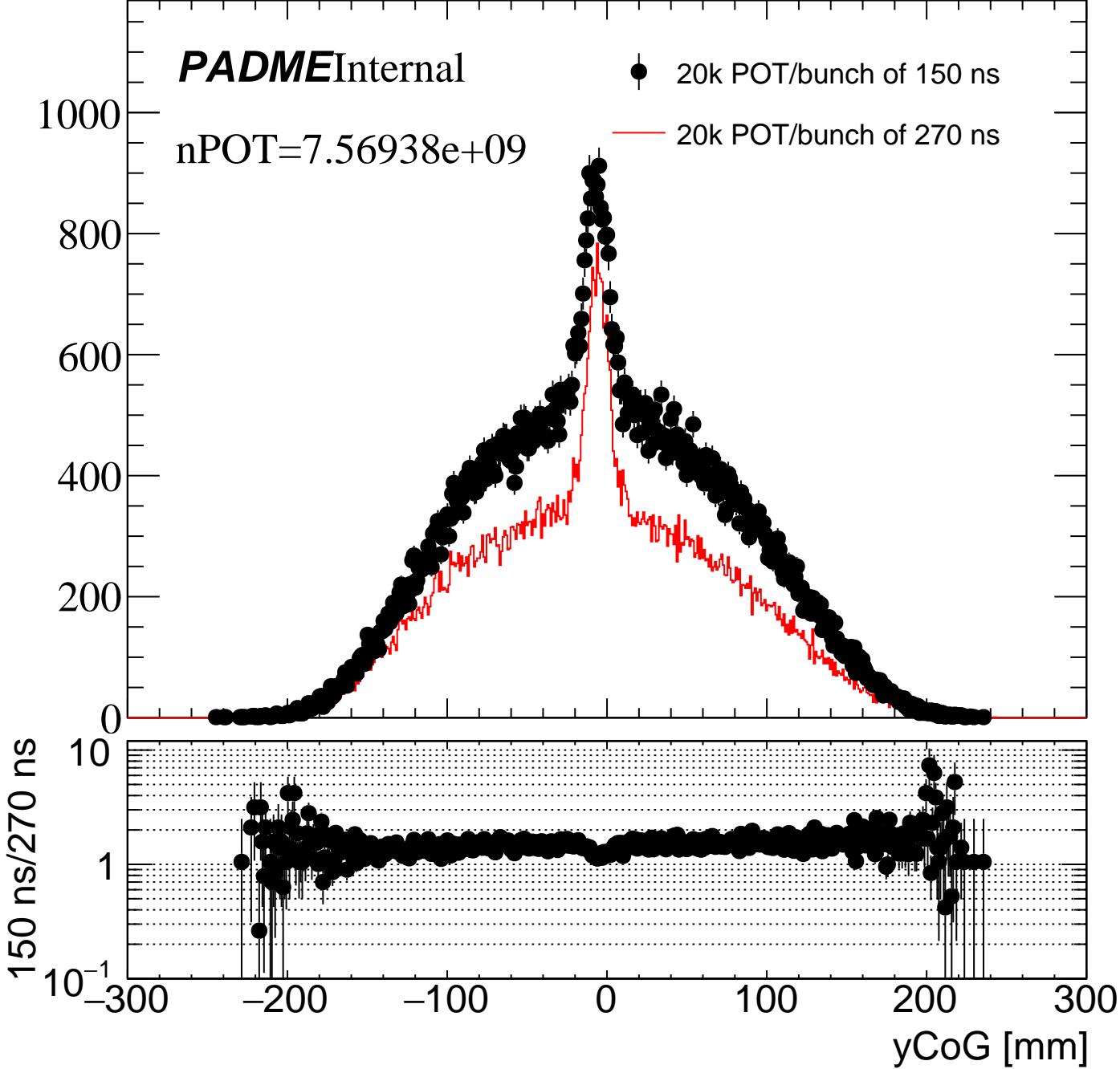
ECal_yCoG_10ns

PADMEInternal

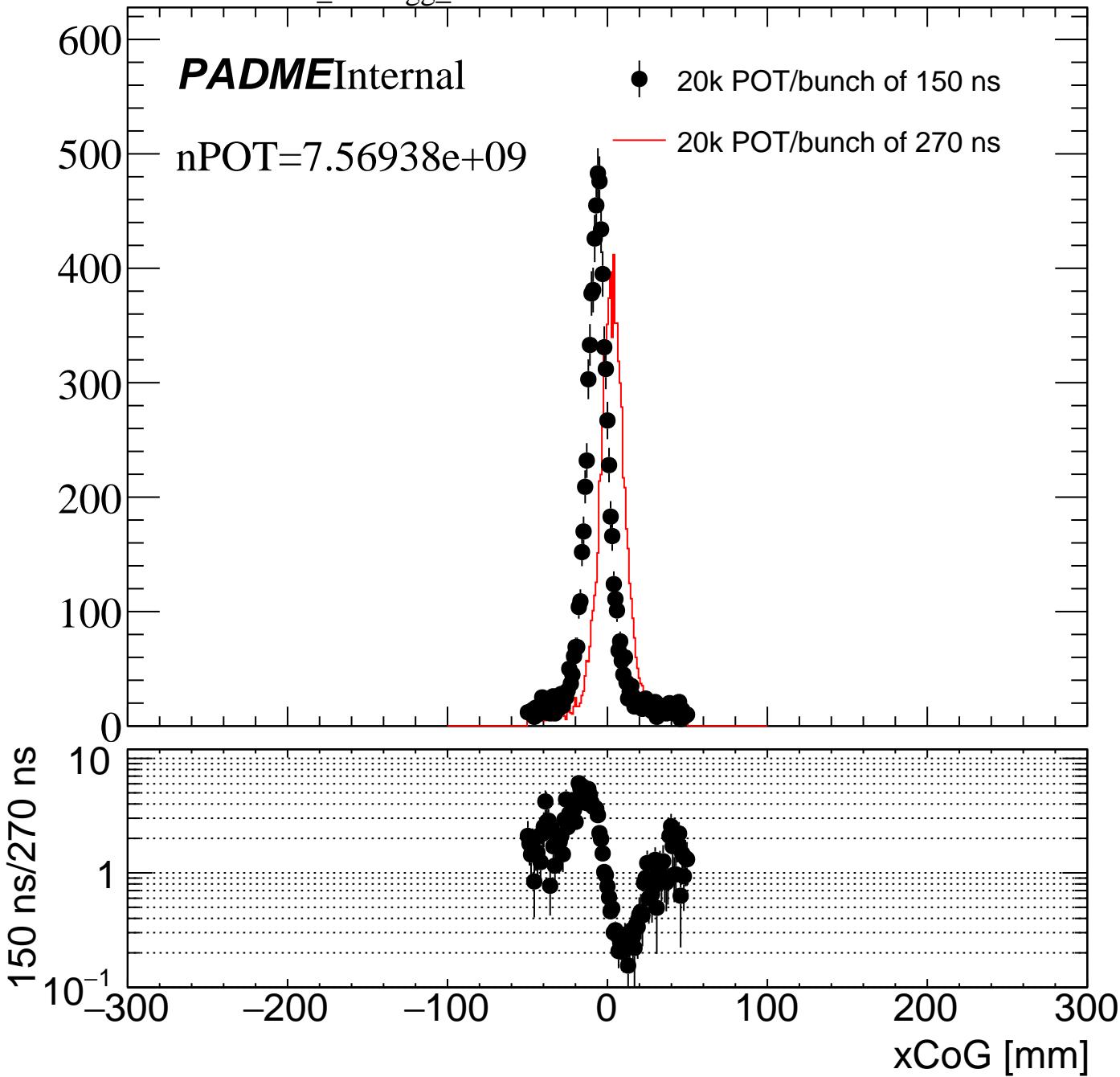
nPOT=7.56938e+09

● 20k POT/bunch of 150 ns

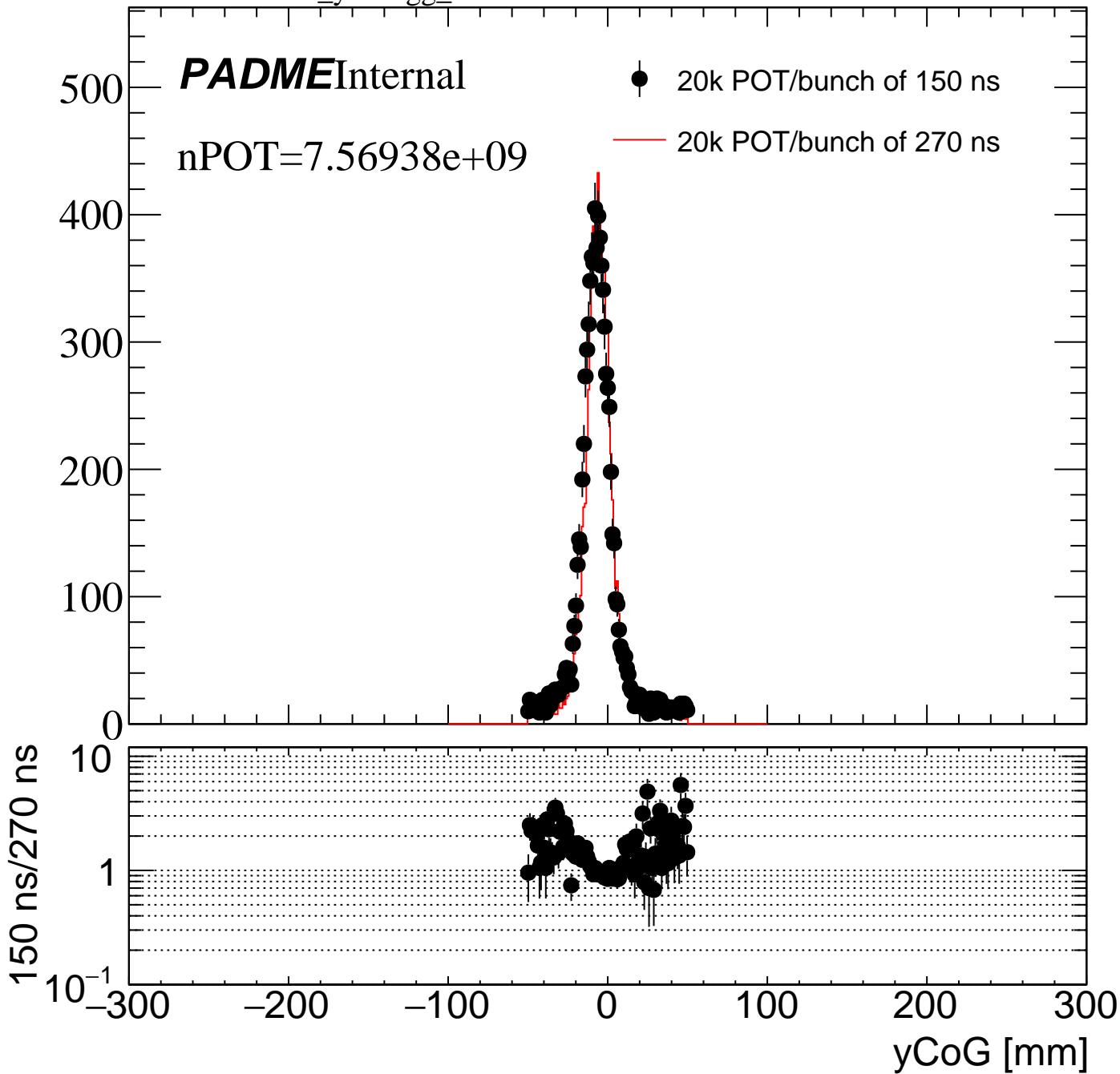
— 20k POT/bunch of 270 ns



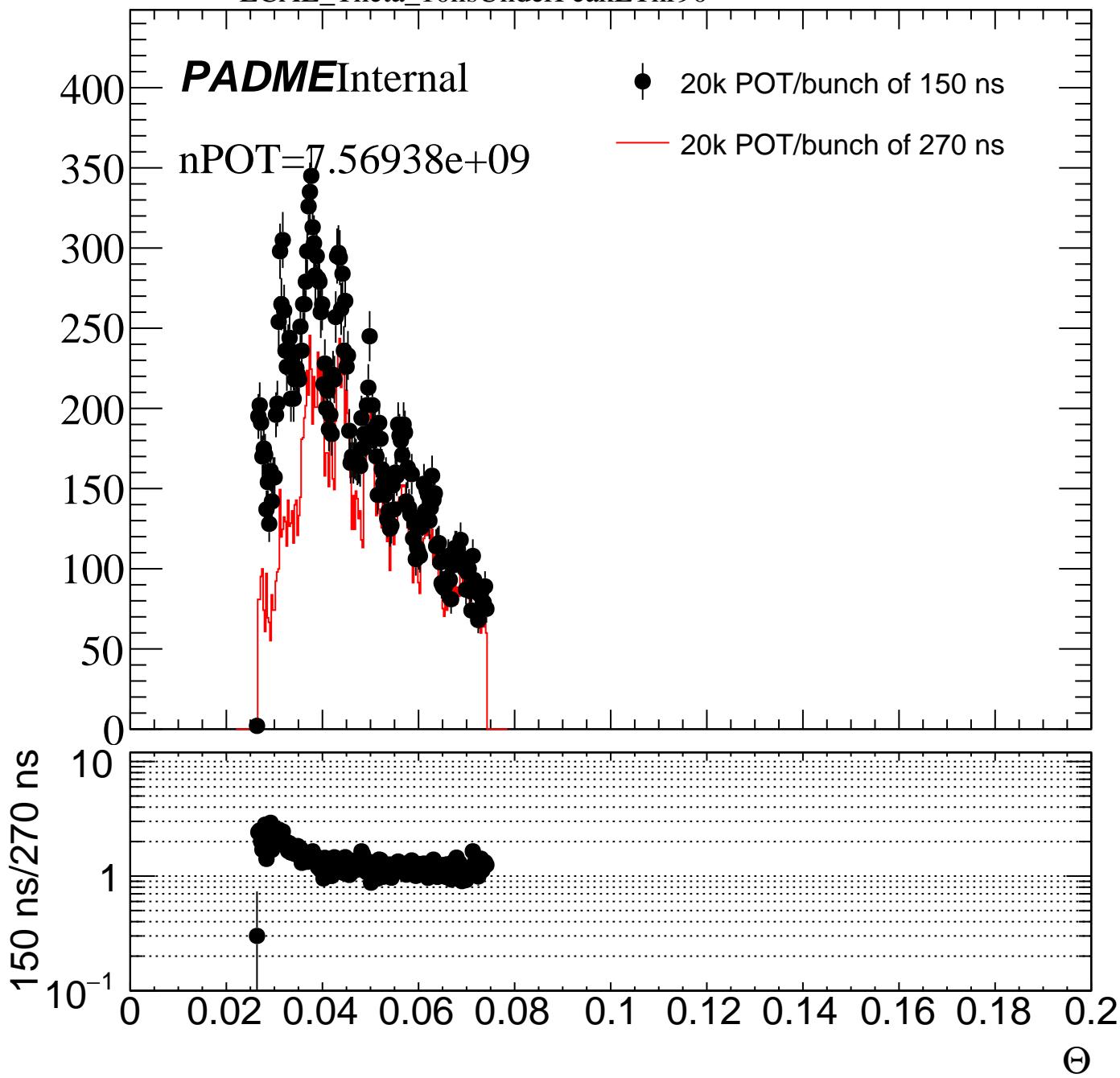
ECAL_xCoGgg_10ns5CoGUnderPeakEThr90



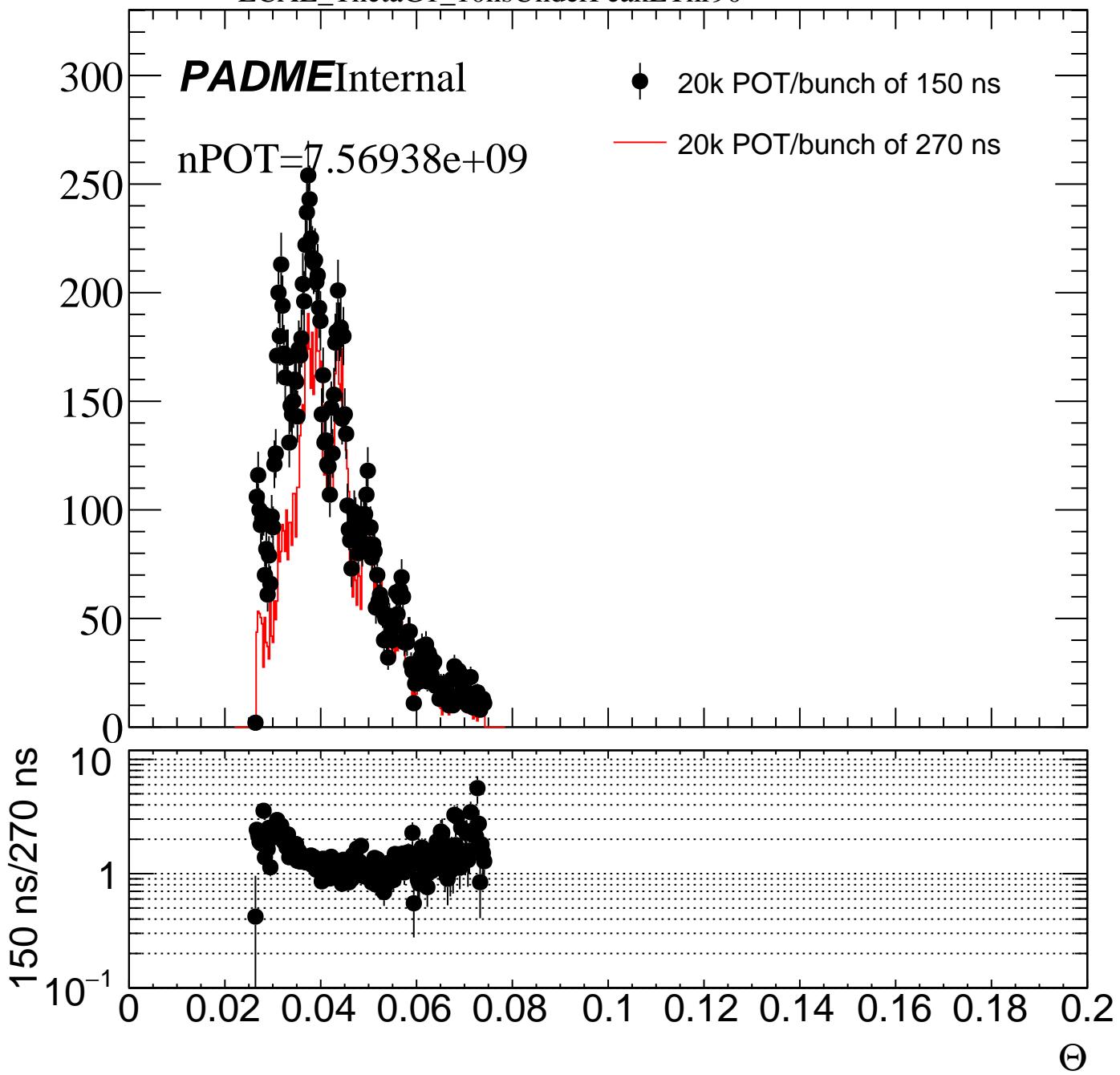
ECAL_yCoGgg_10ns5CoGUnderPeakEThr90



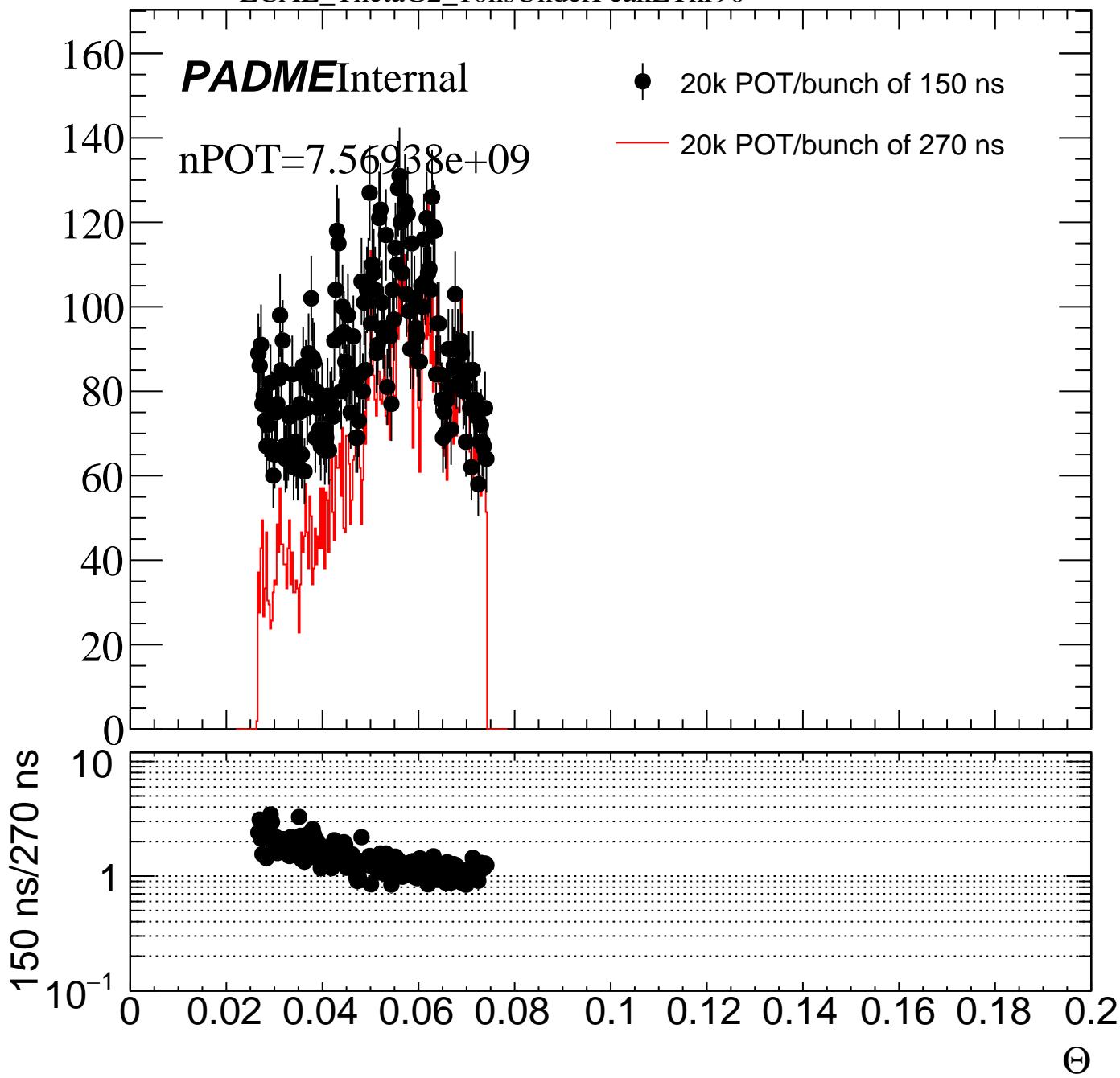
ECAL_Theta_10nsUnderPeakEThr90

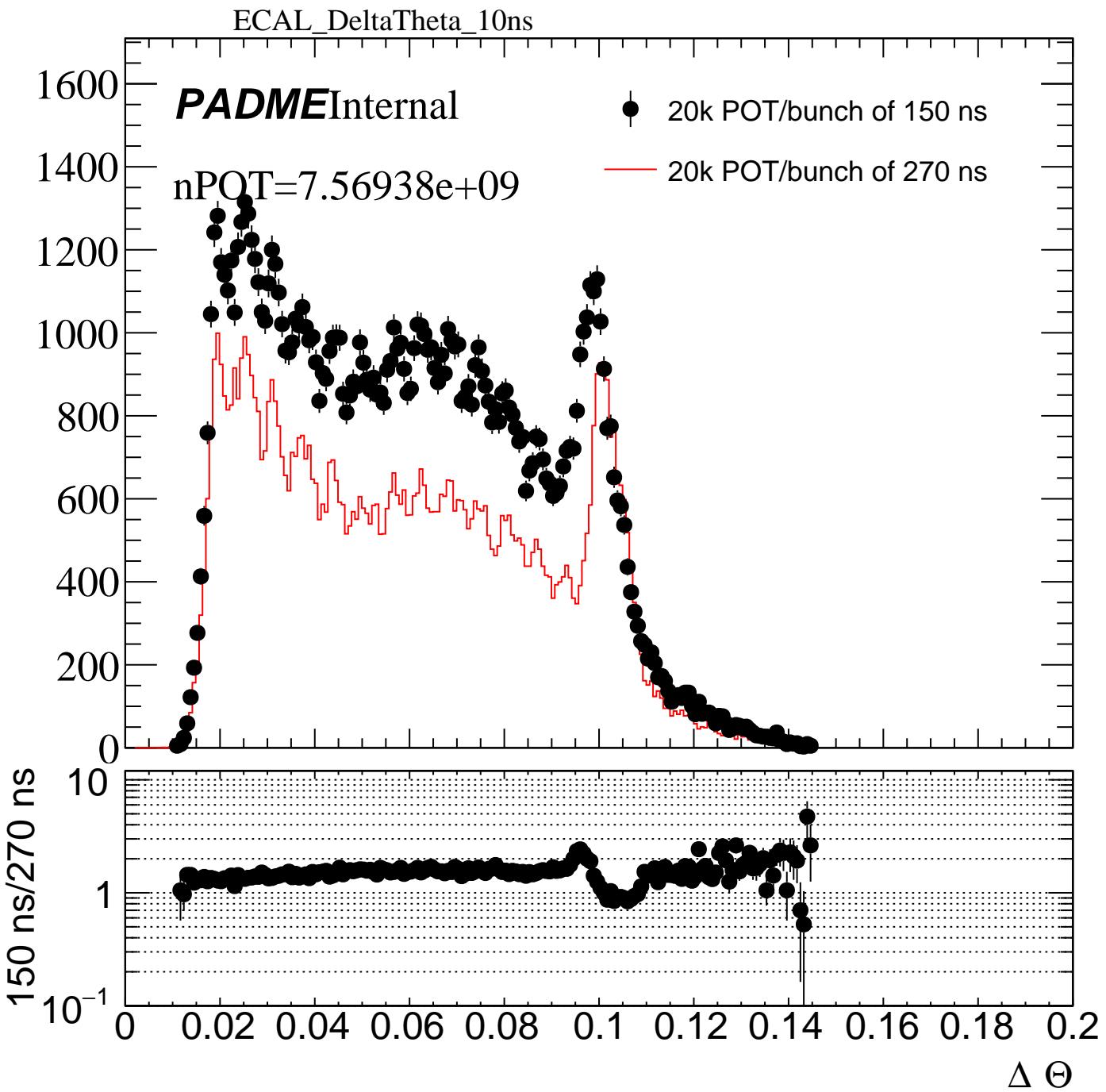


ECAL_ThetaG1_10nsUnderPeakEThr90

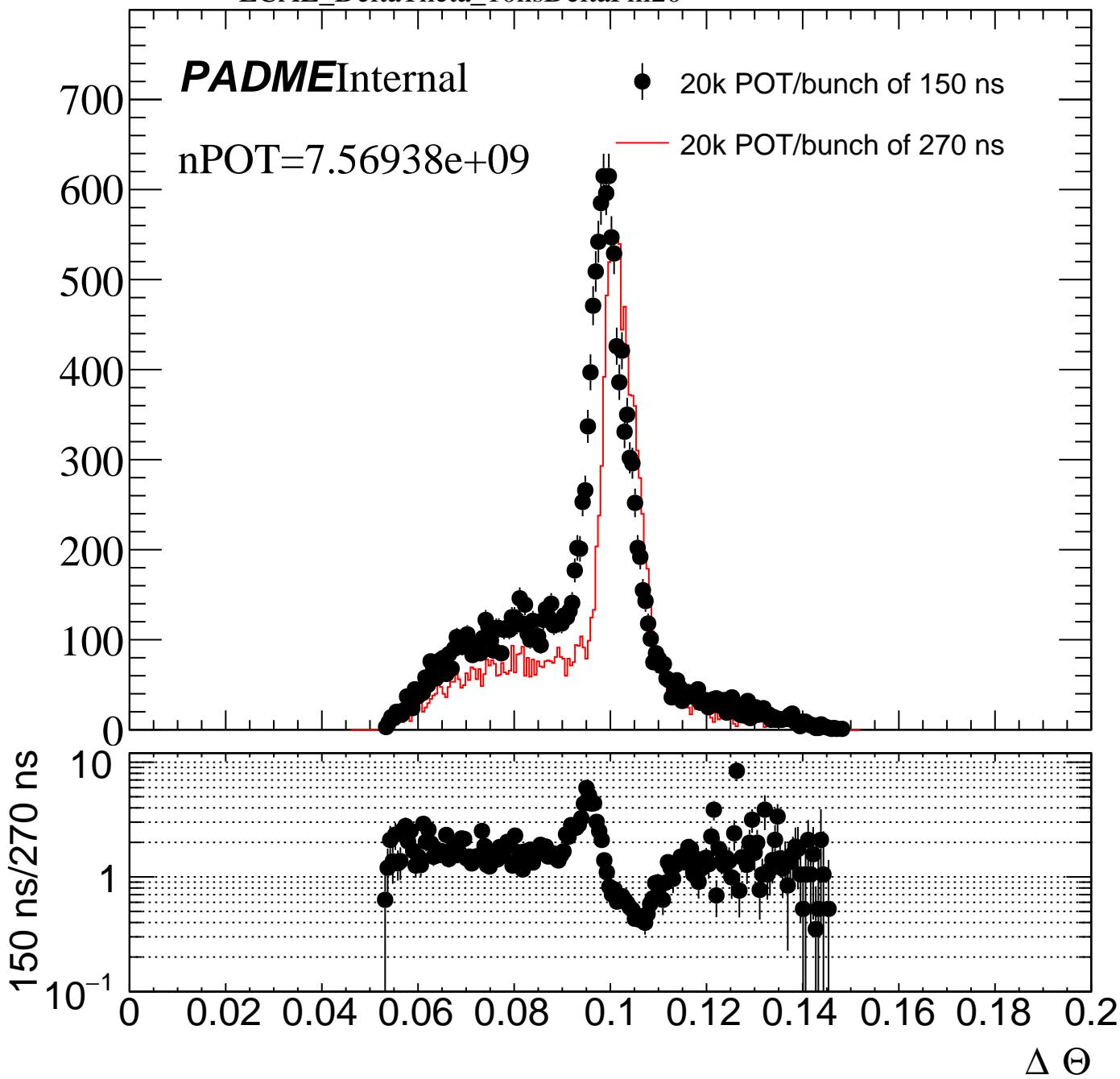


ECAL_ThetaG2_10nsUnderPeakEThr90

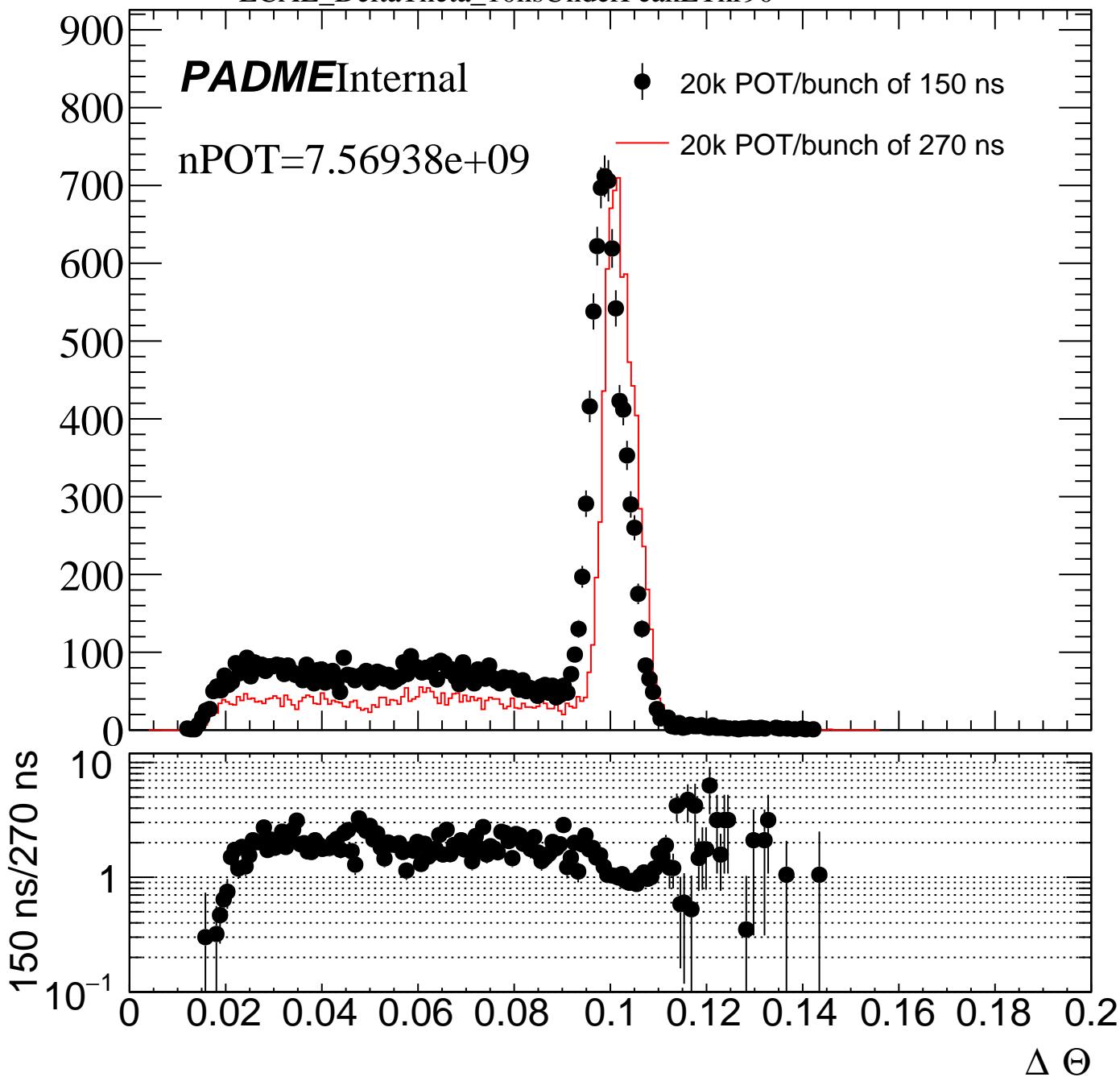


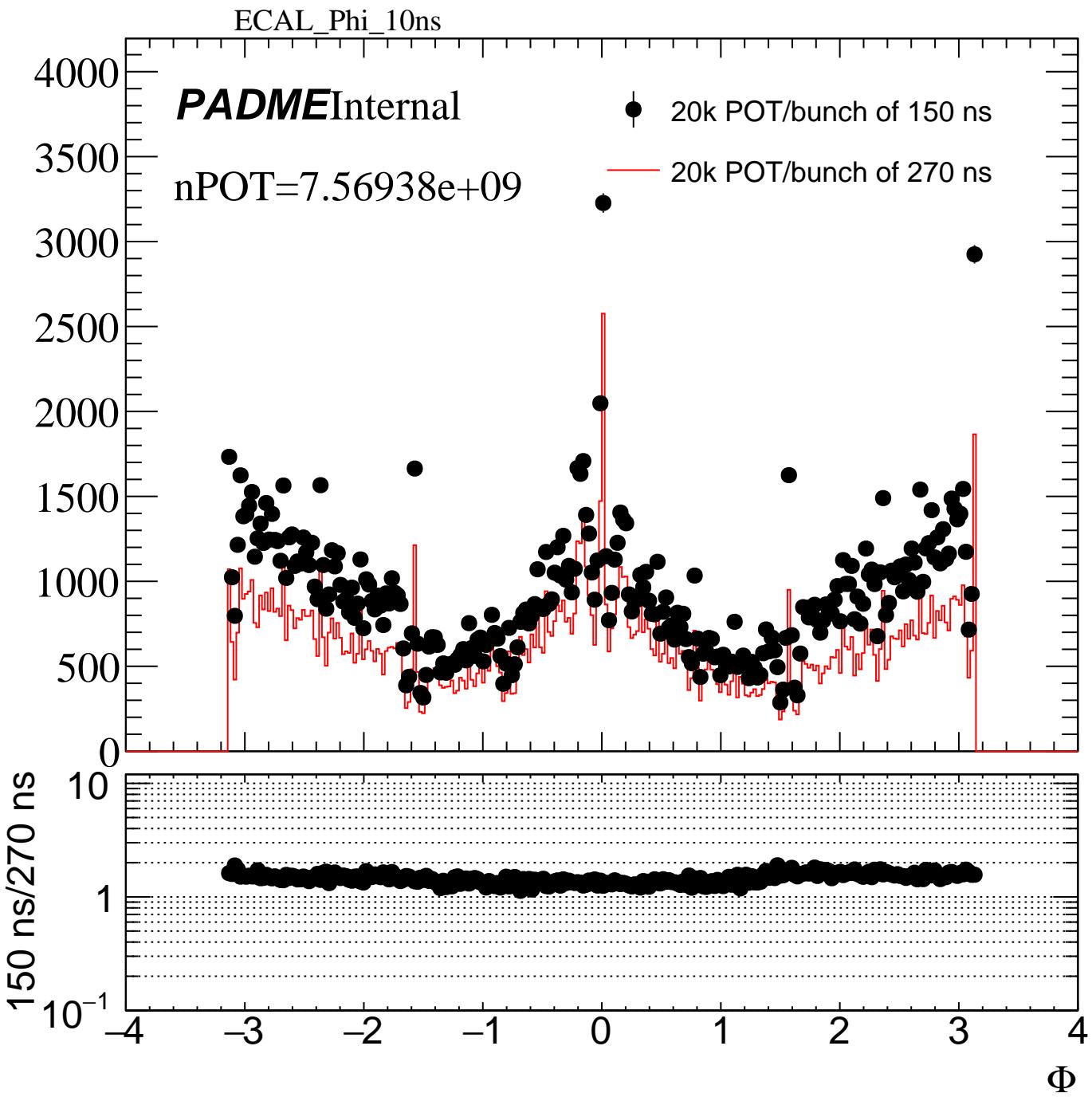


ECAL_DeltaTheta_10nsDeltaPhi20

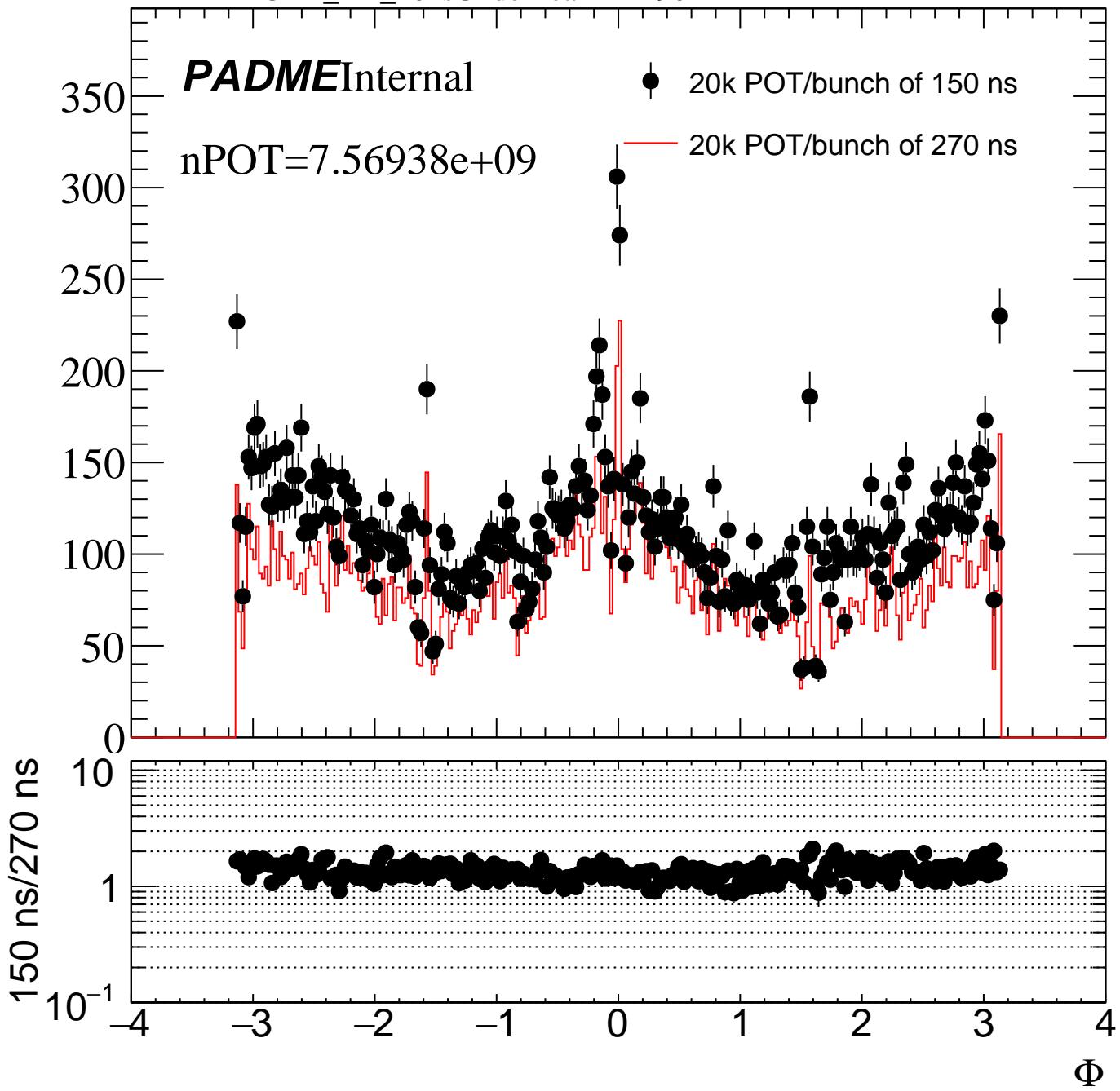


ECAL_DeltaTheta_10nsUnderPeakEThr90

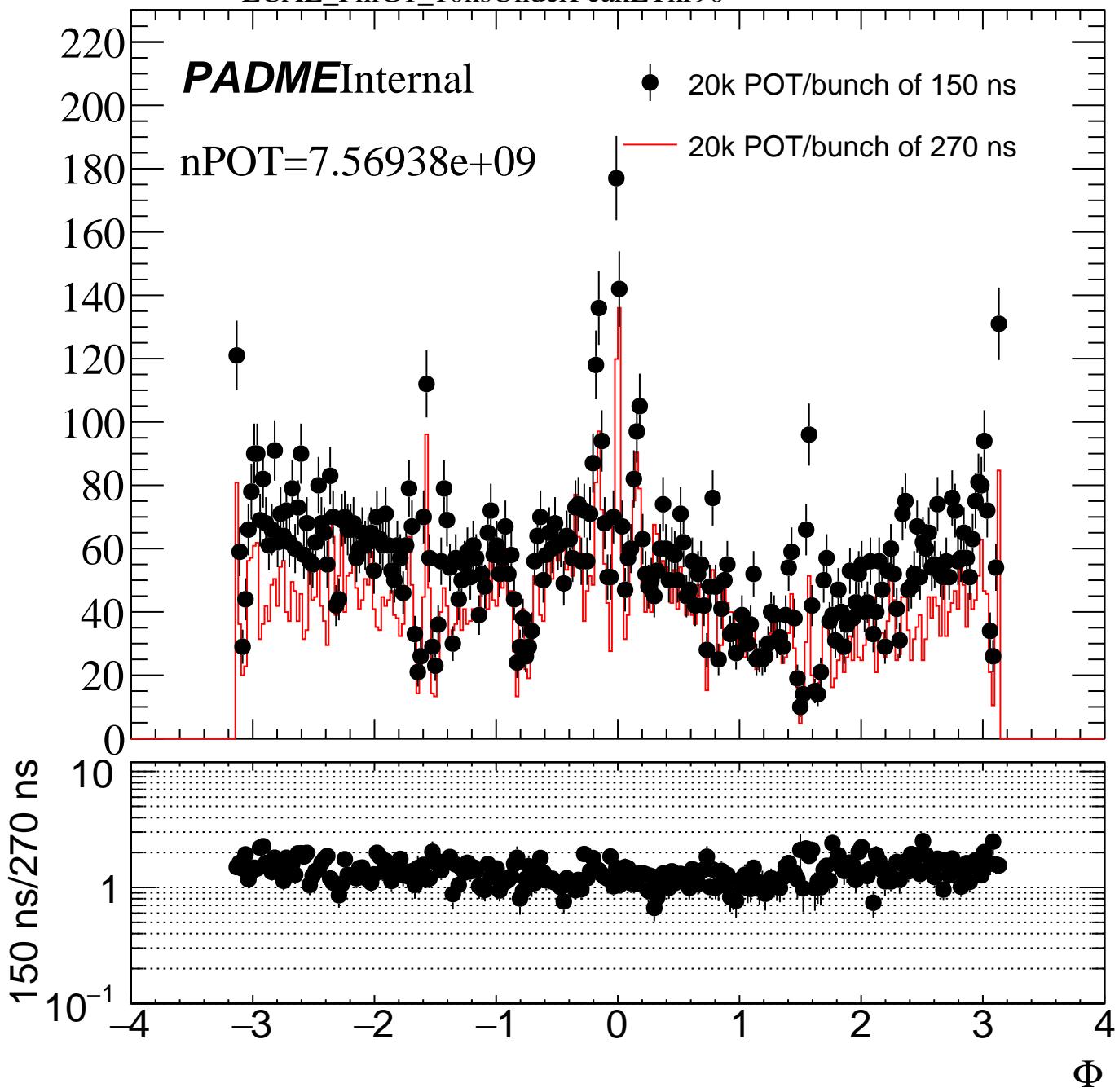




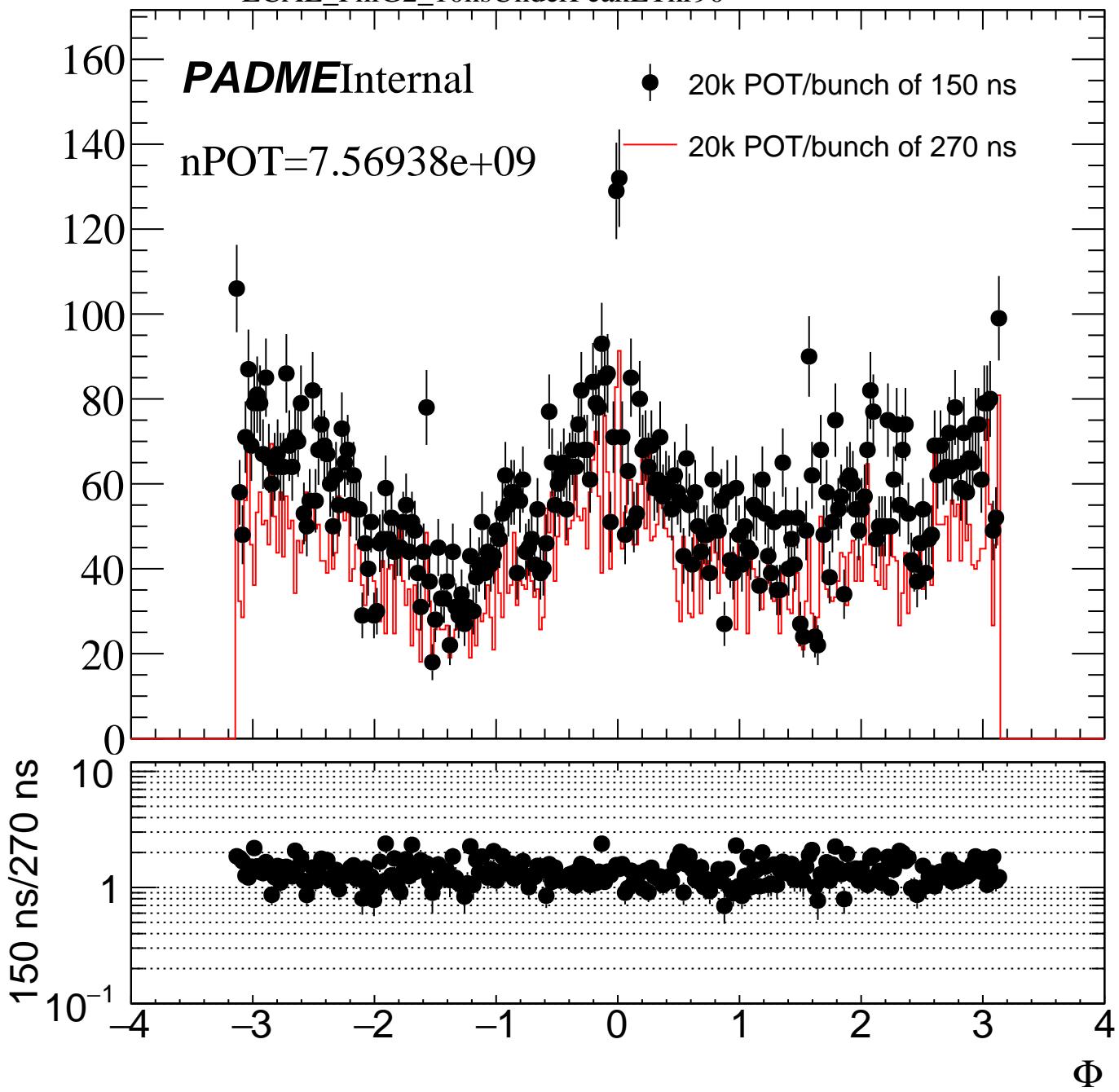
ECAL_Phi_10nsUnderPeakEThr90



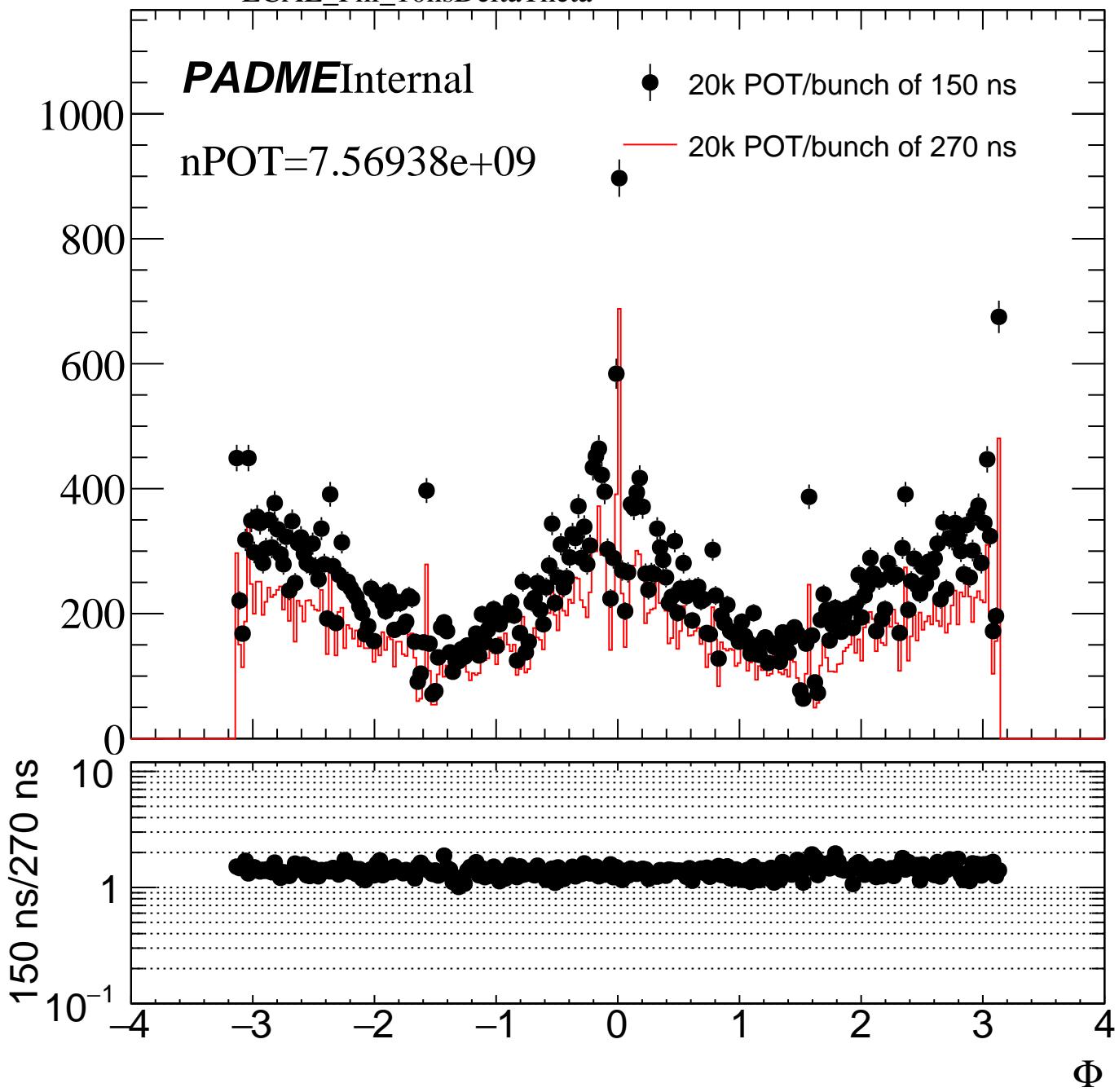
ECAL_PhiG1_10nsUnderPeakEThr90



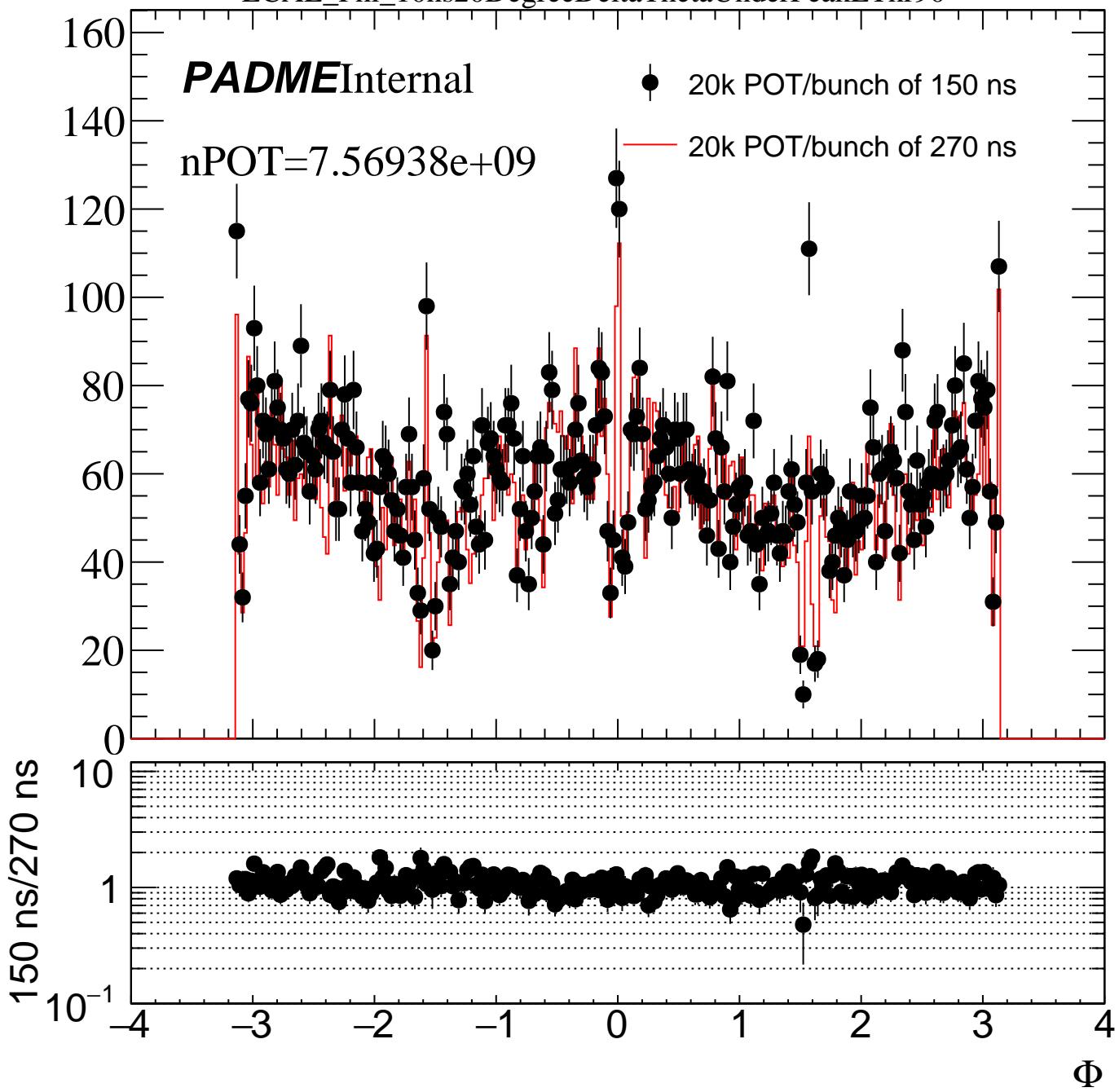
ECAL_PhiG2_10nsUnderPeakEThr90



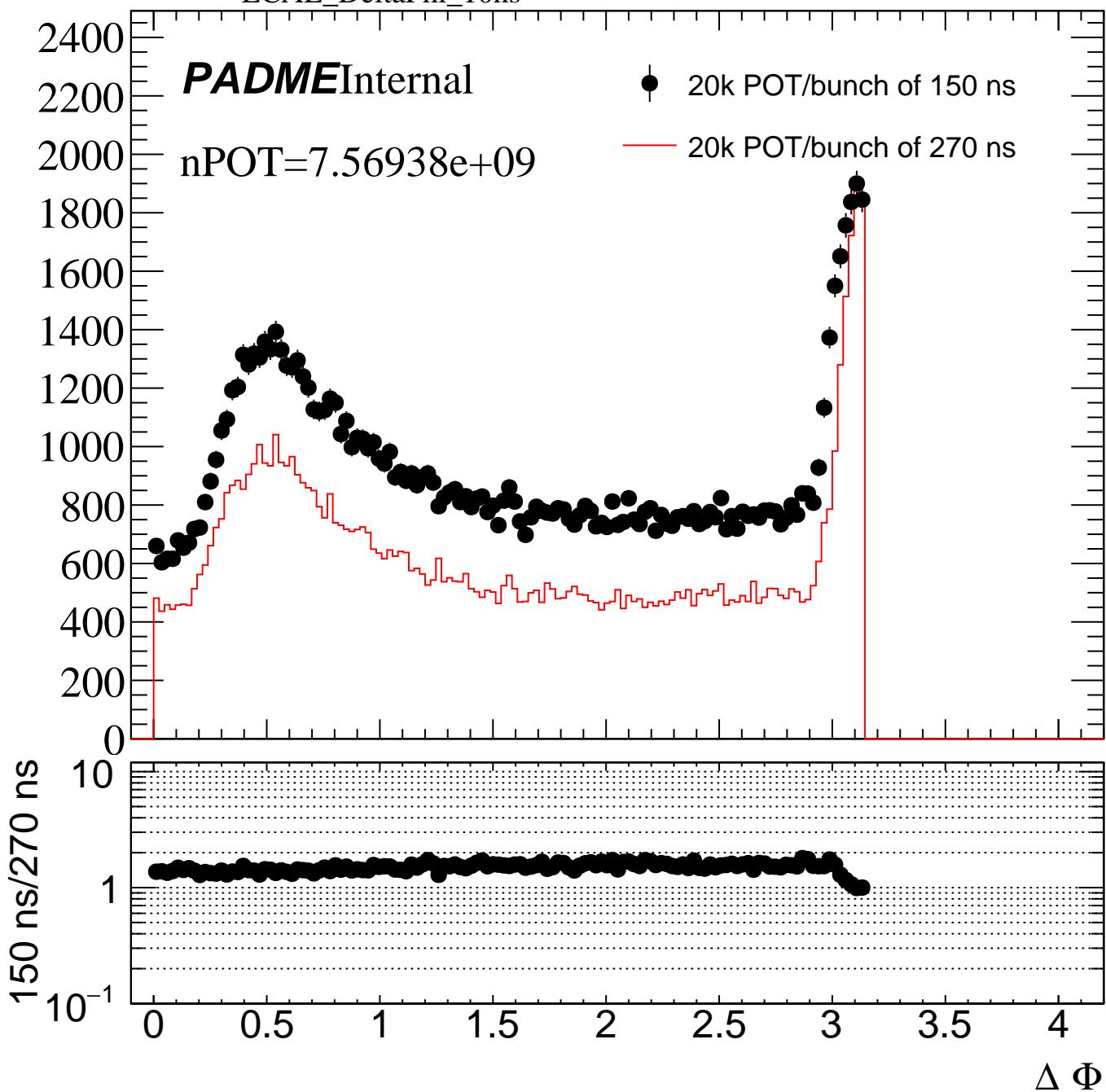
ECAL_Phi_10nsDeltaTheta

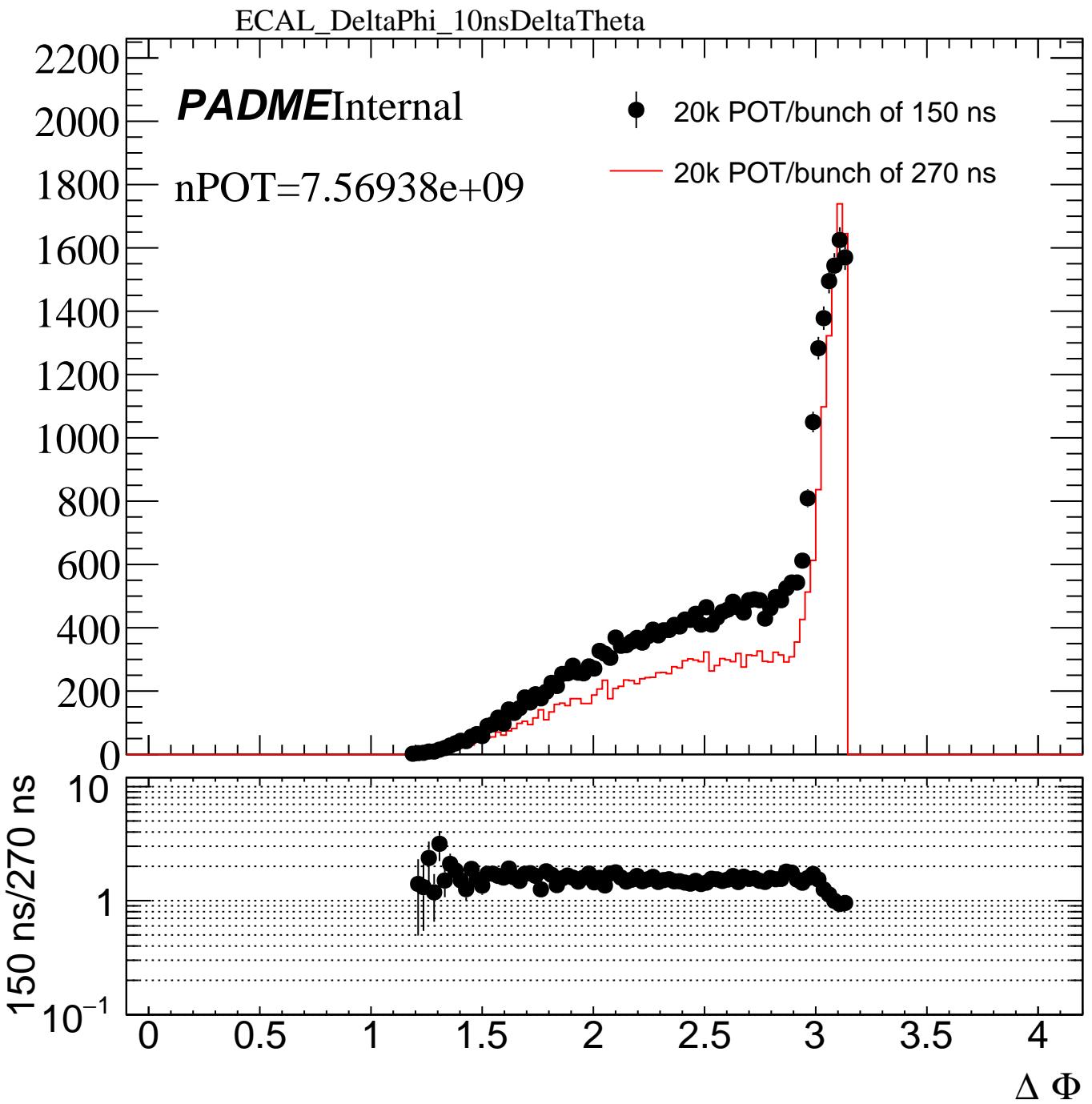


ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90

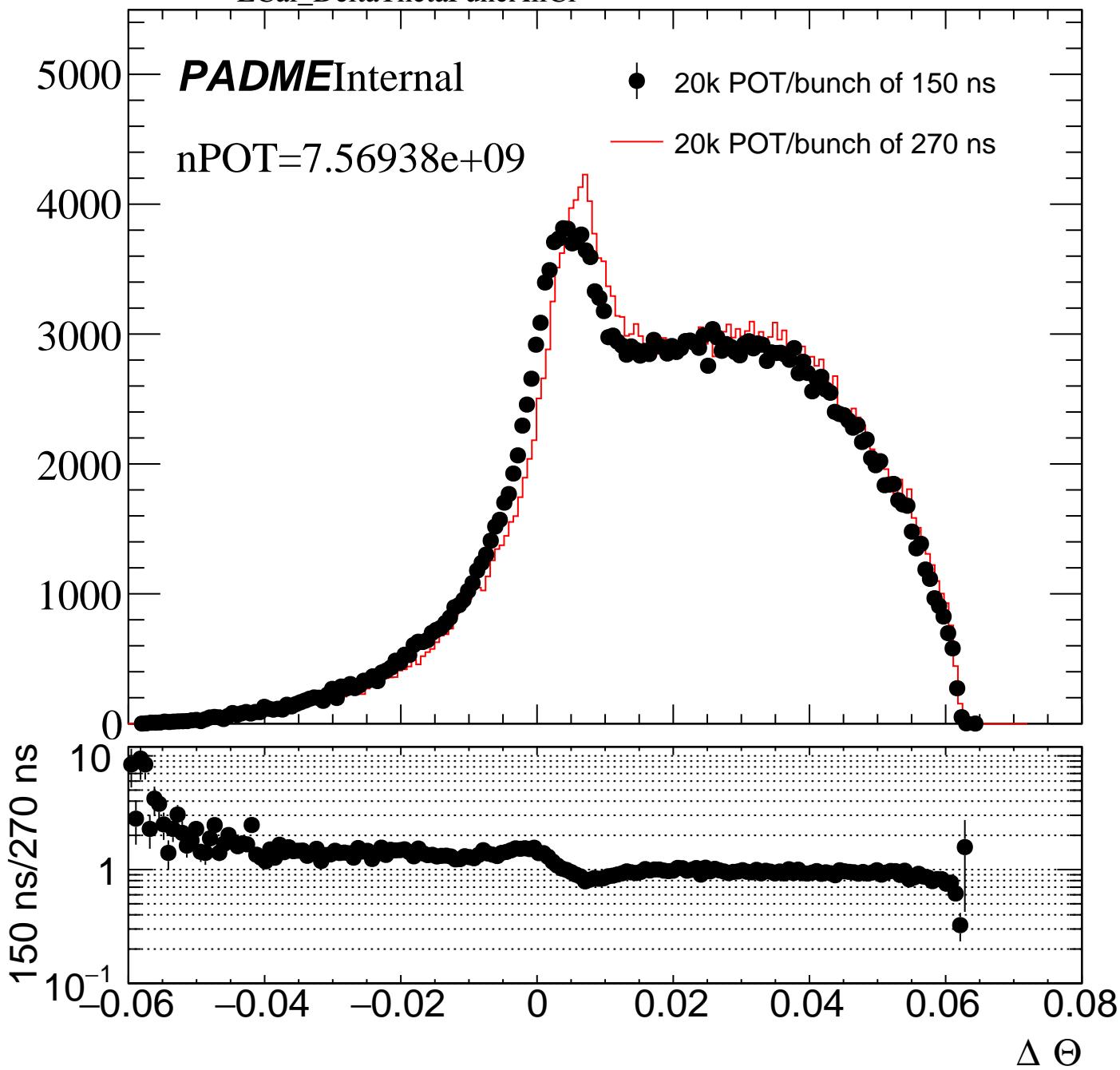


ECAL_DeltaPhi_10ns

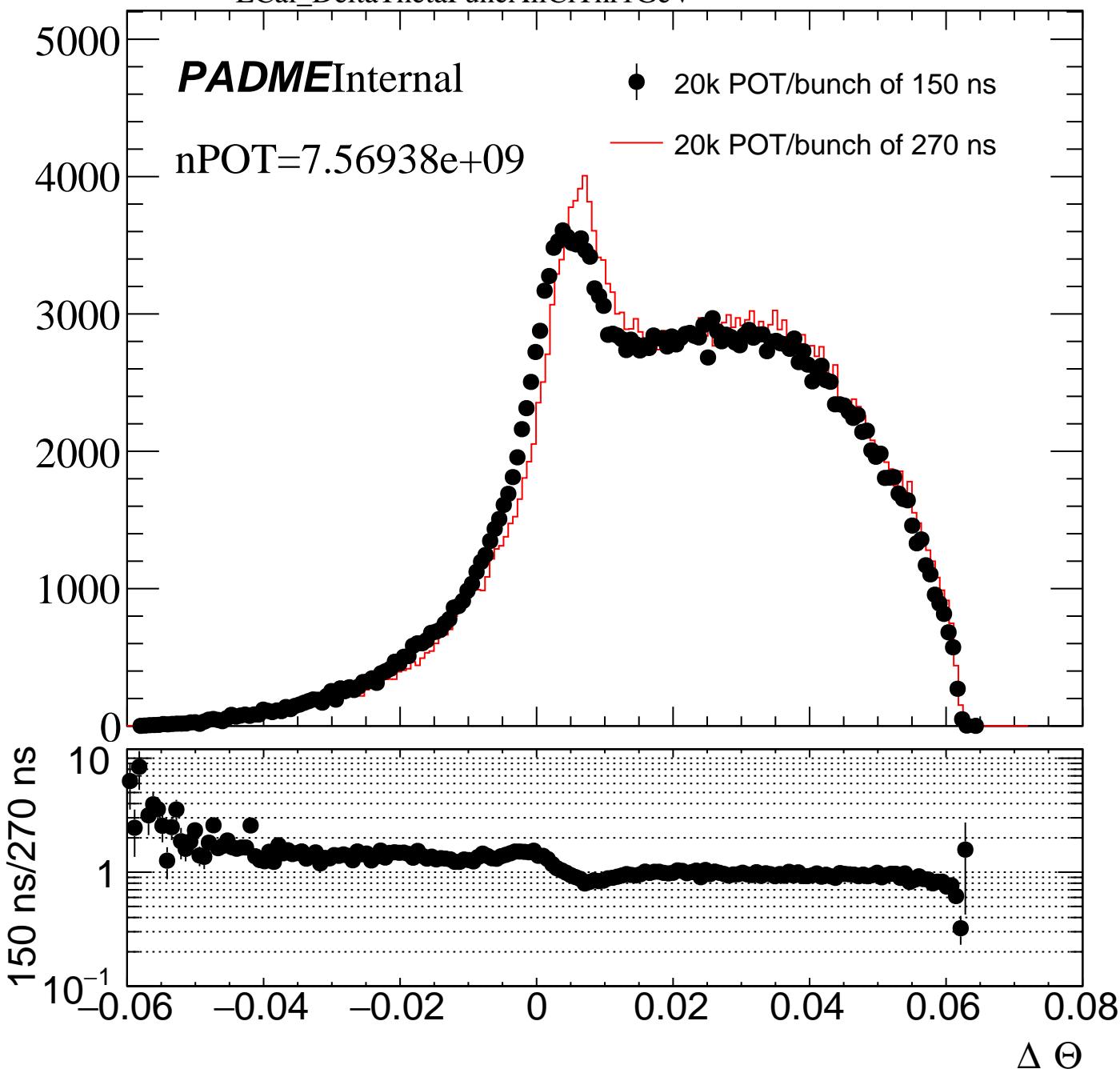




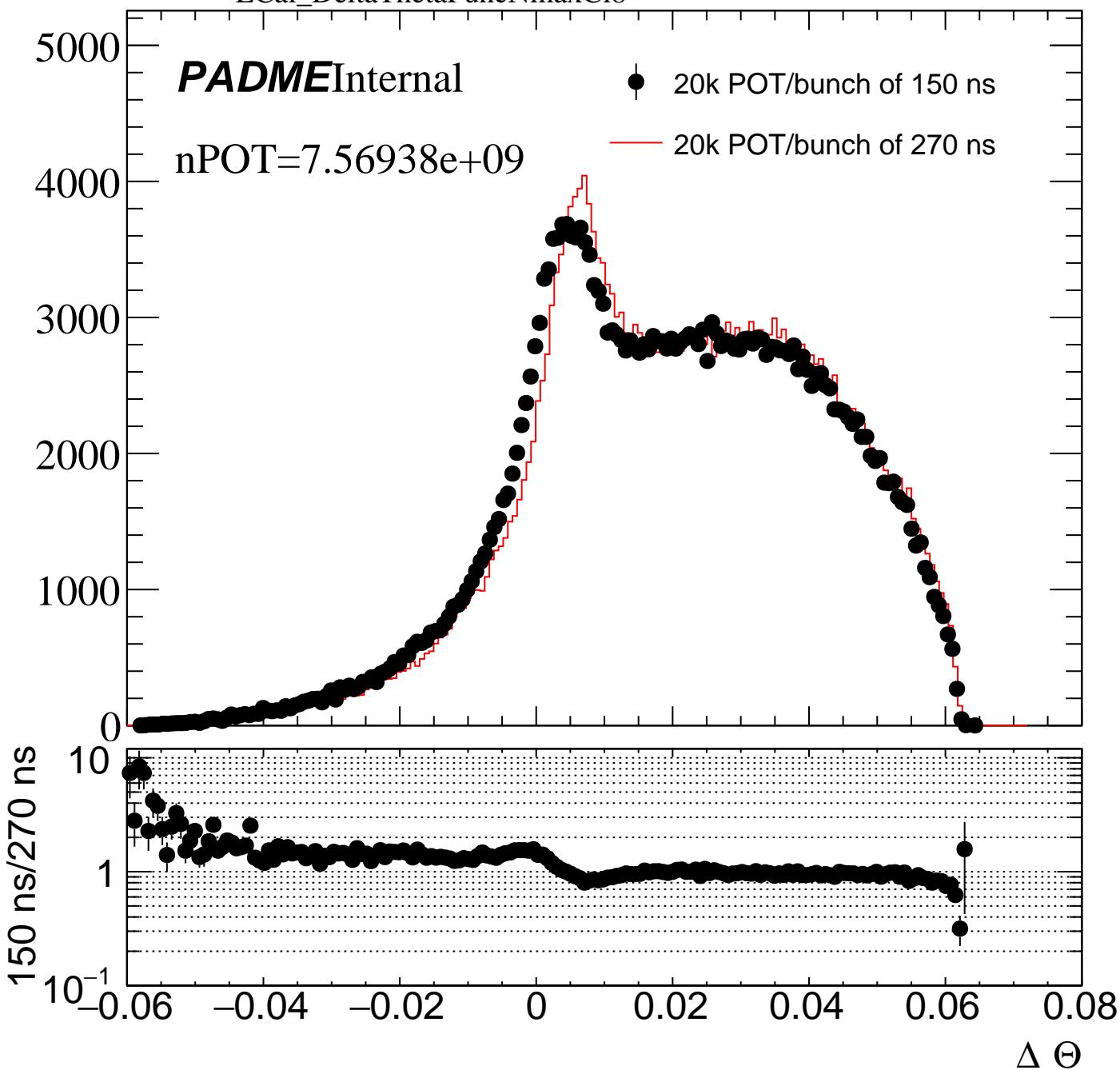
ECal_DeltaThetaFuncAllCl

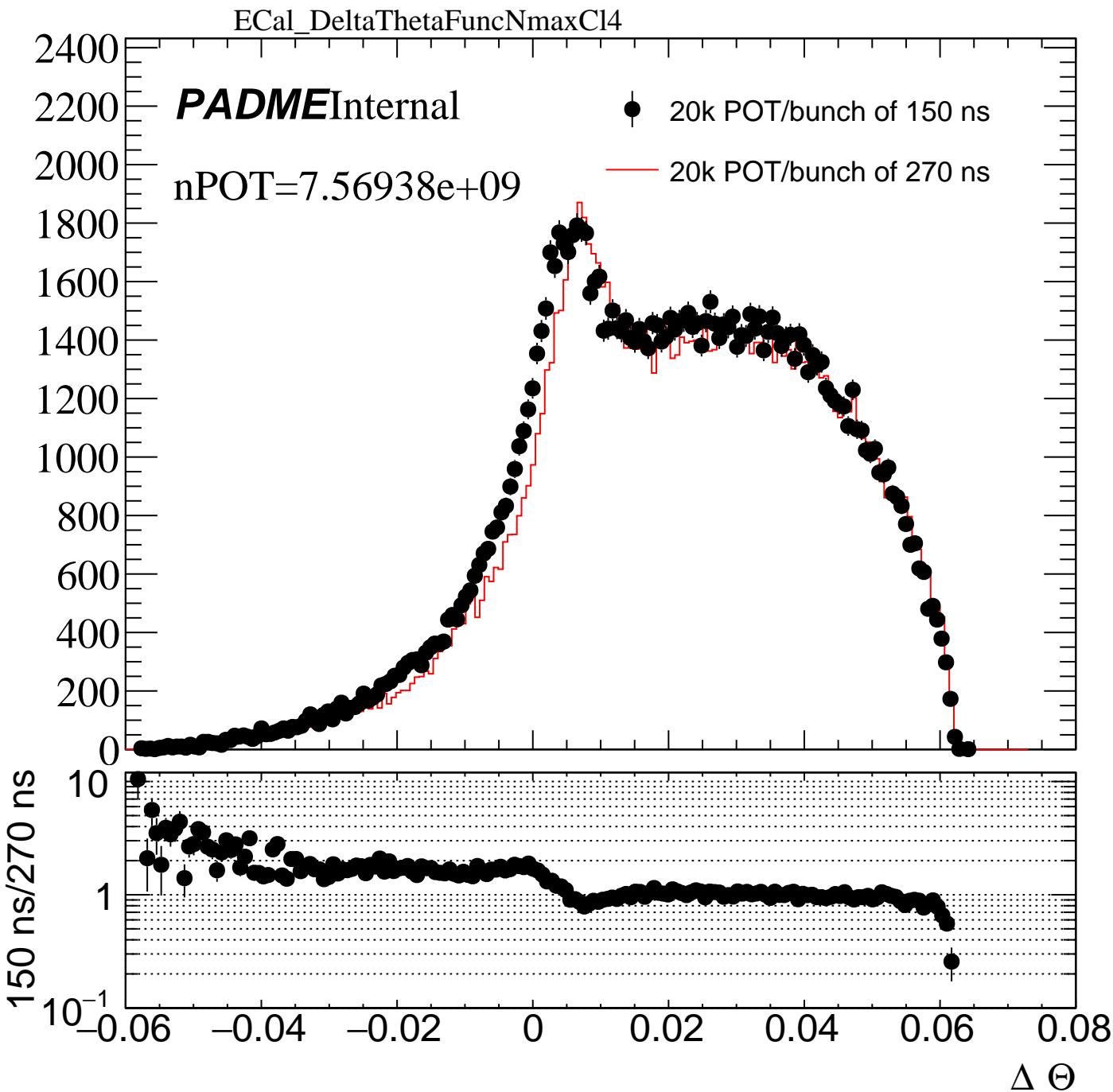


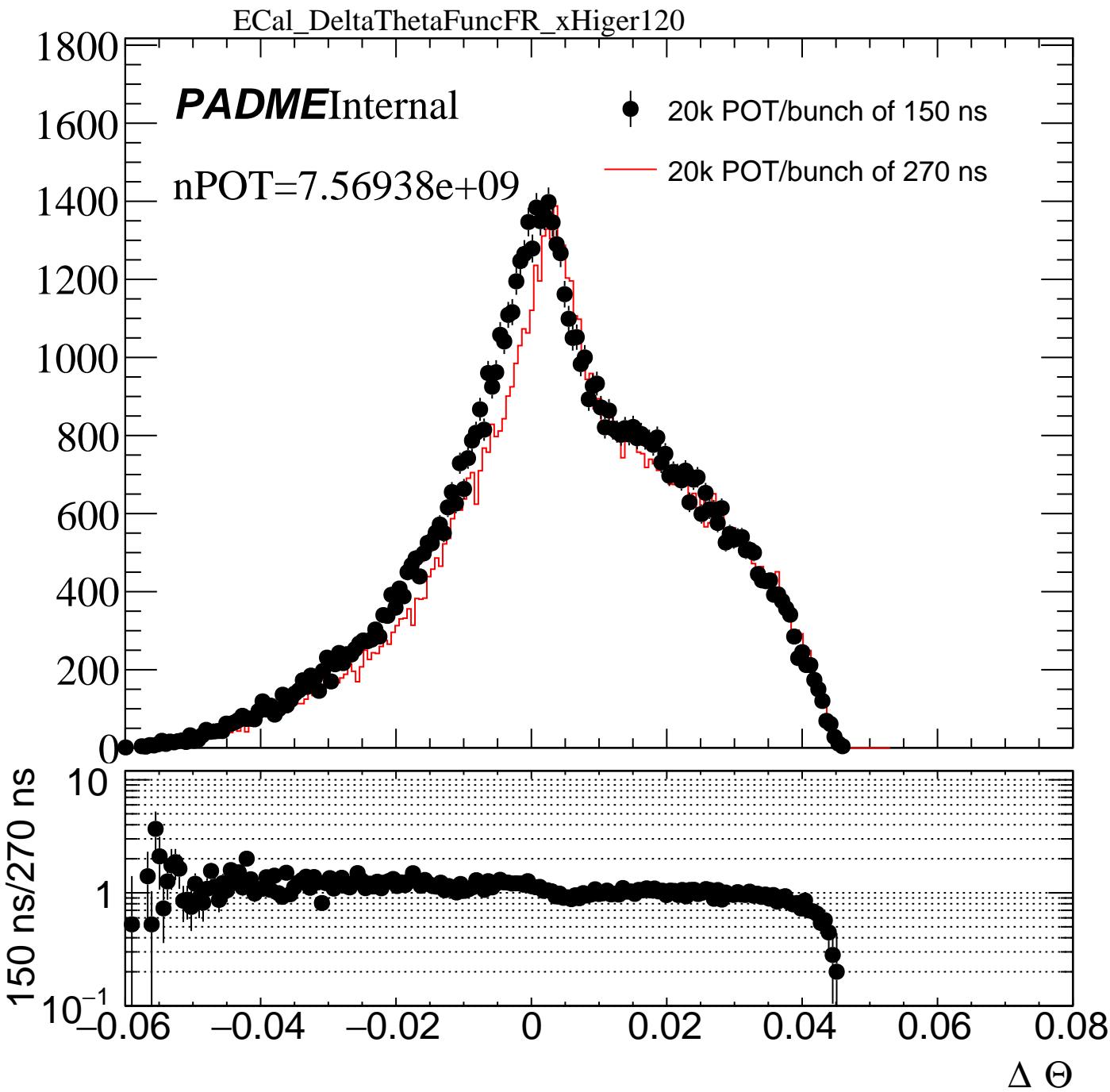
ECal_DeltaThetaFuncAllClThr1GeV



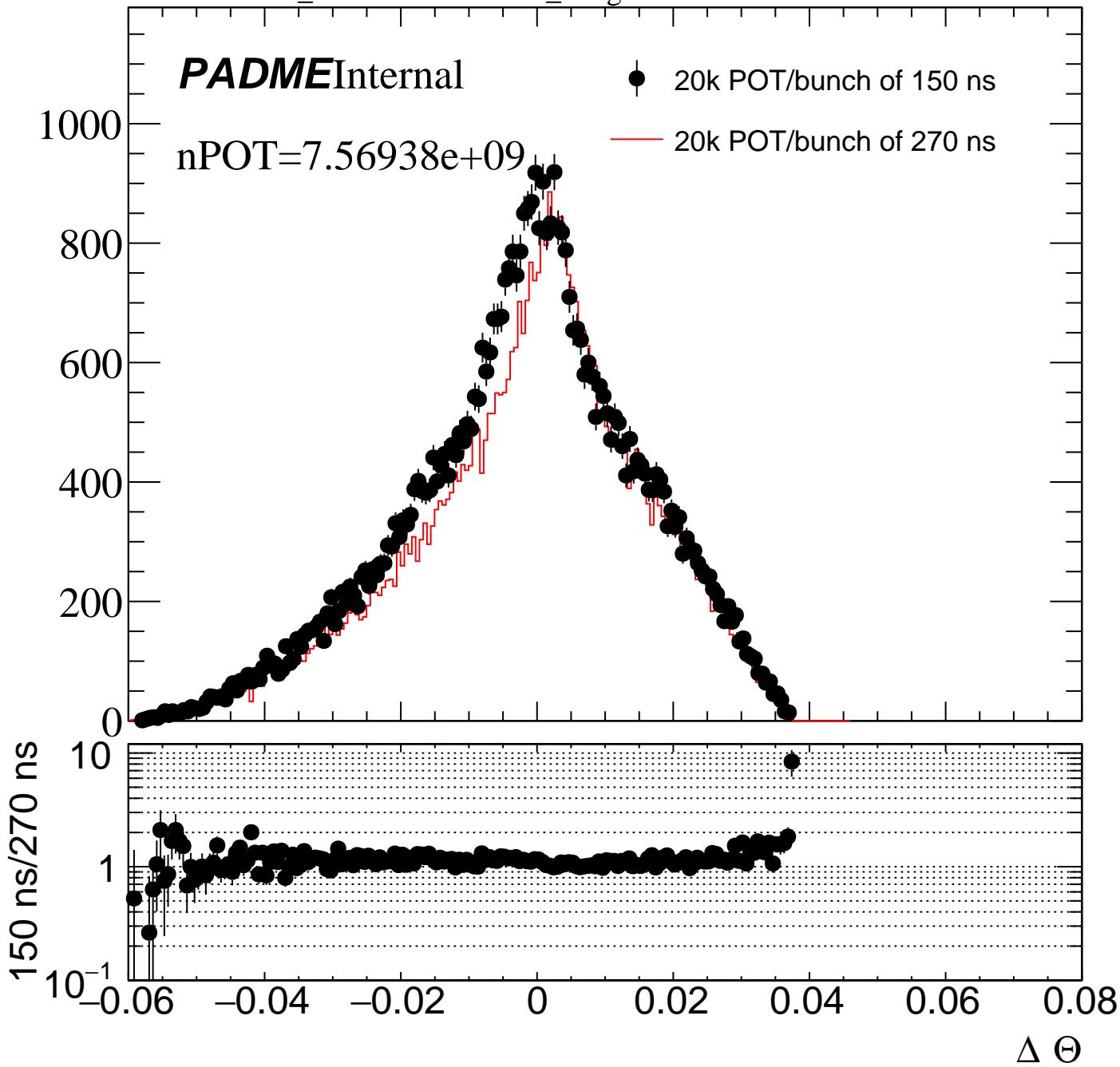
ECal_DeltaThetaFuncNmaxC18



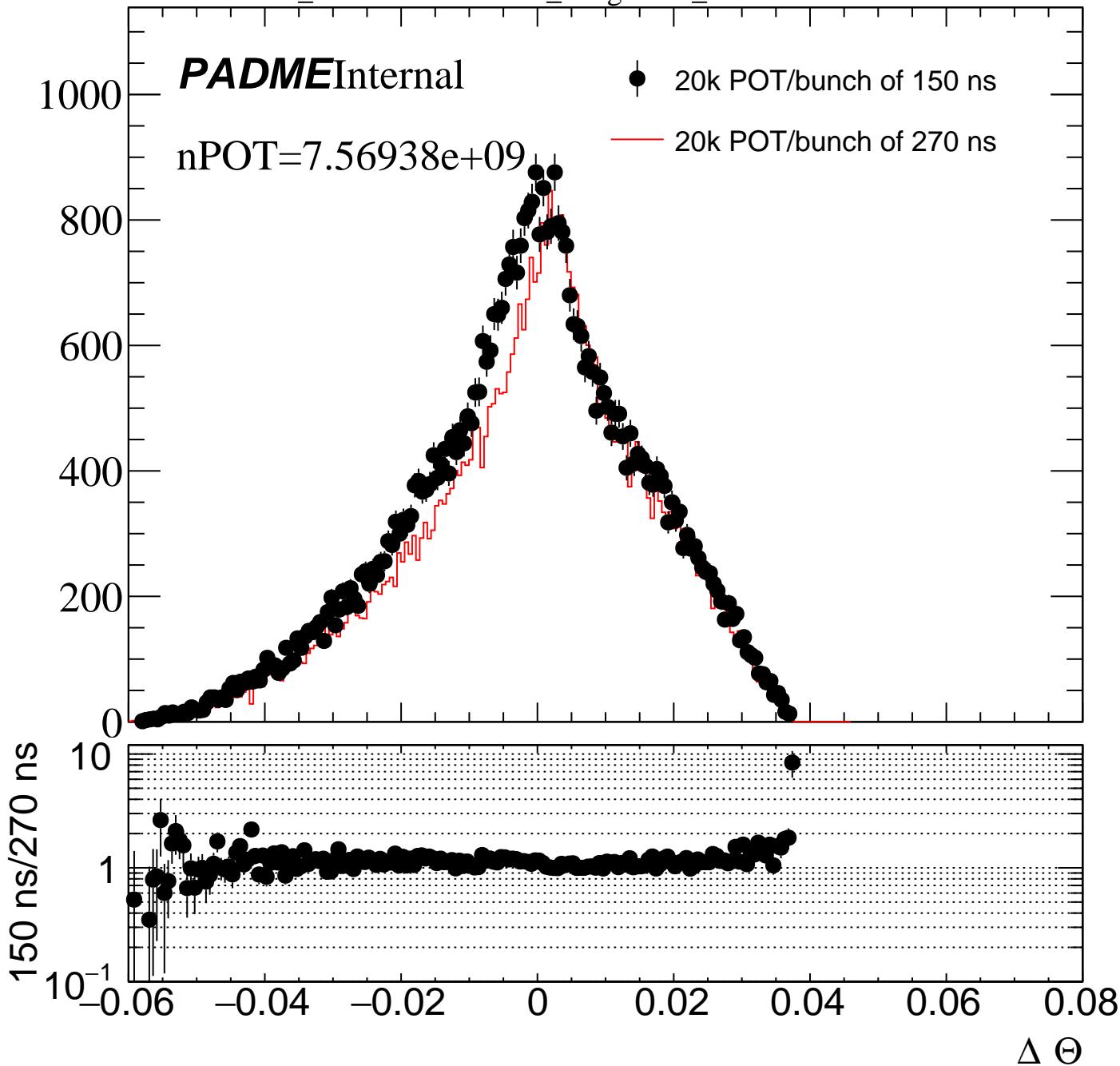


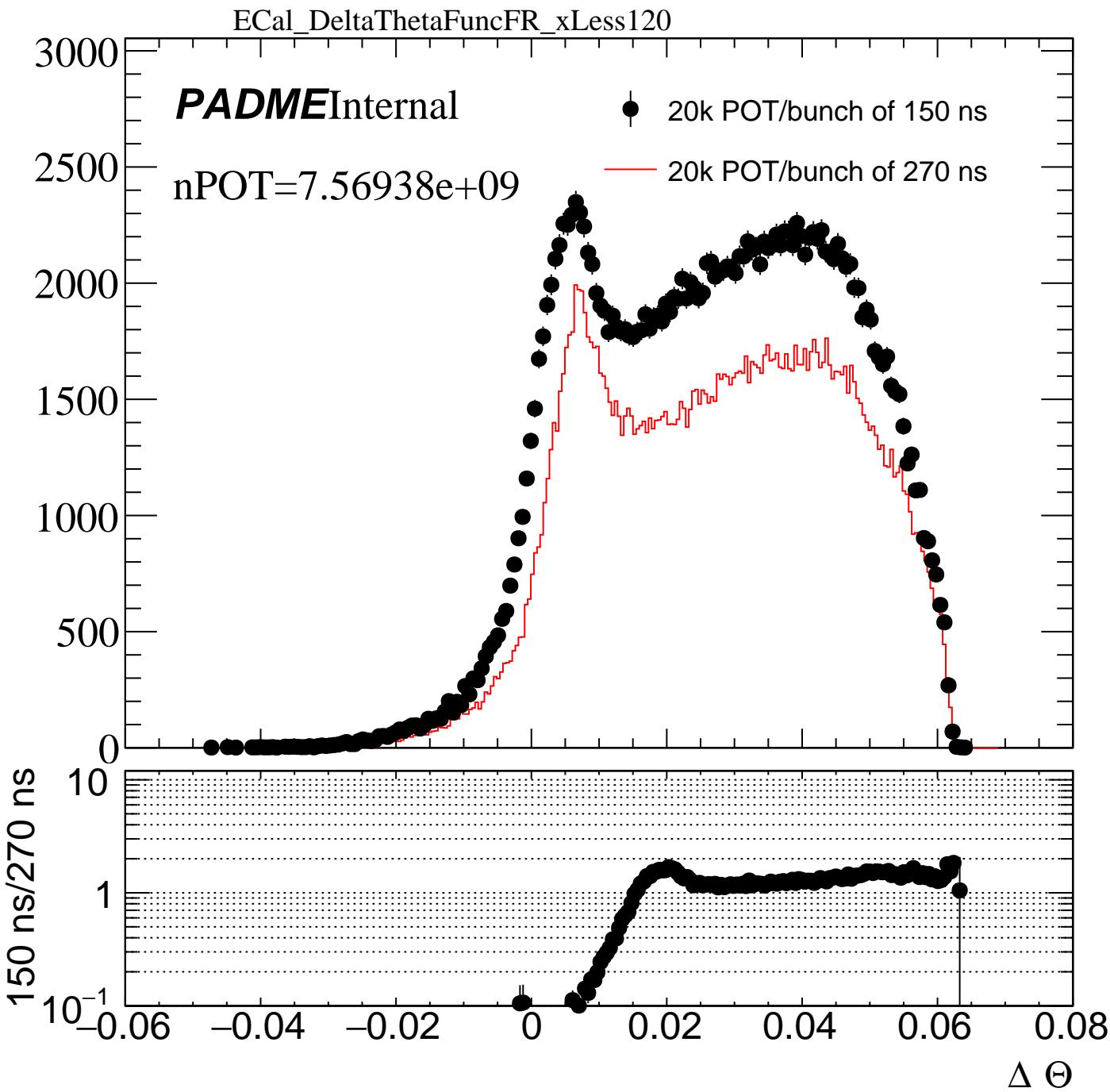


ECal_DeltaThetaFuncFR_xHiger150

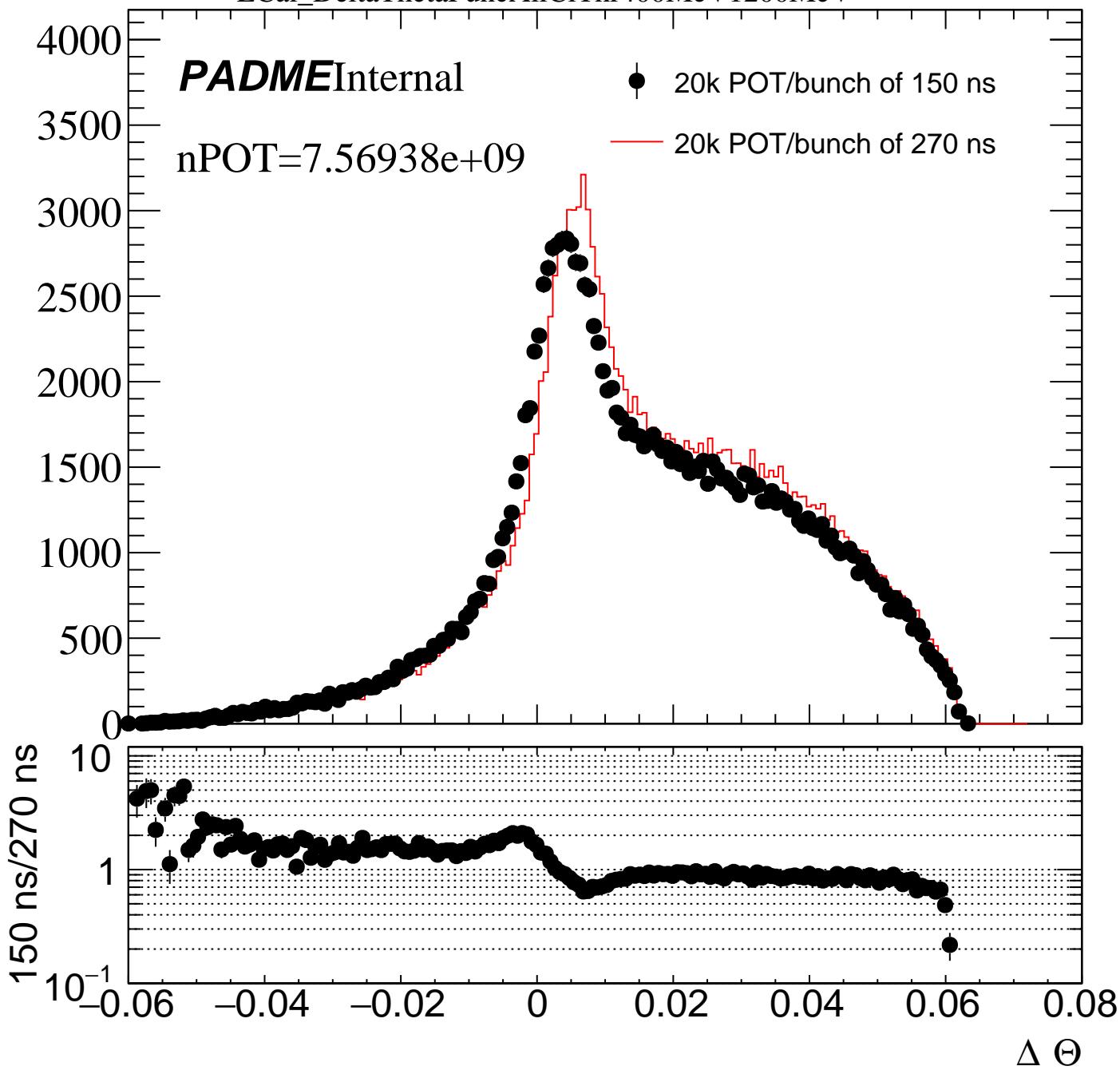


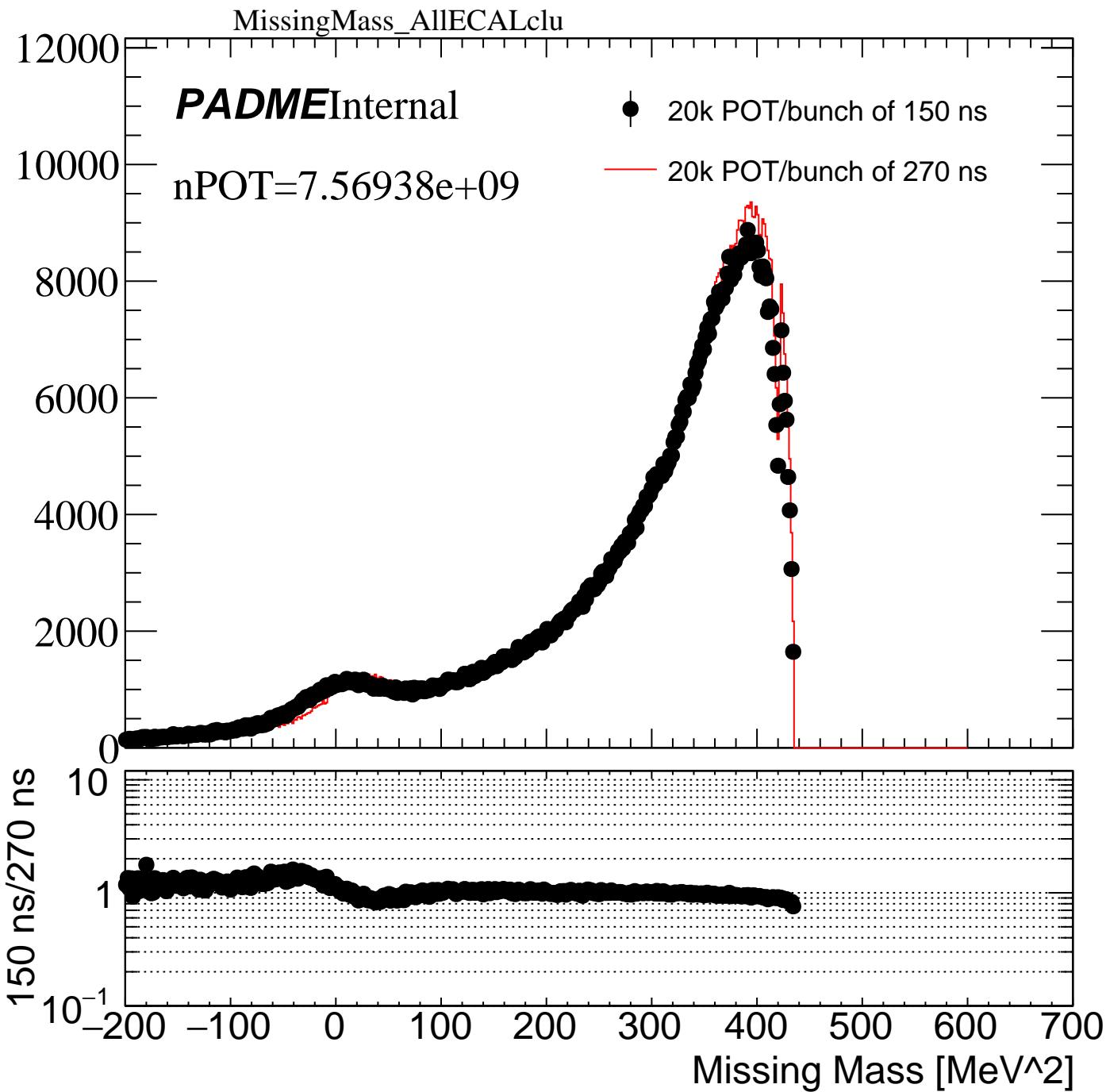
ECal_DeltaThetaFuncFR_xHiger150_EthrLess1GeV



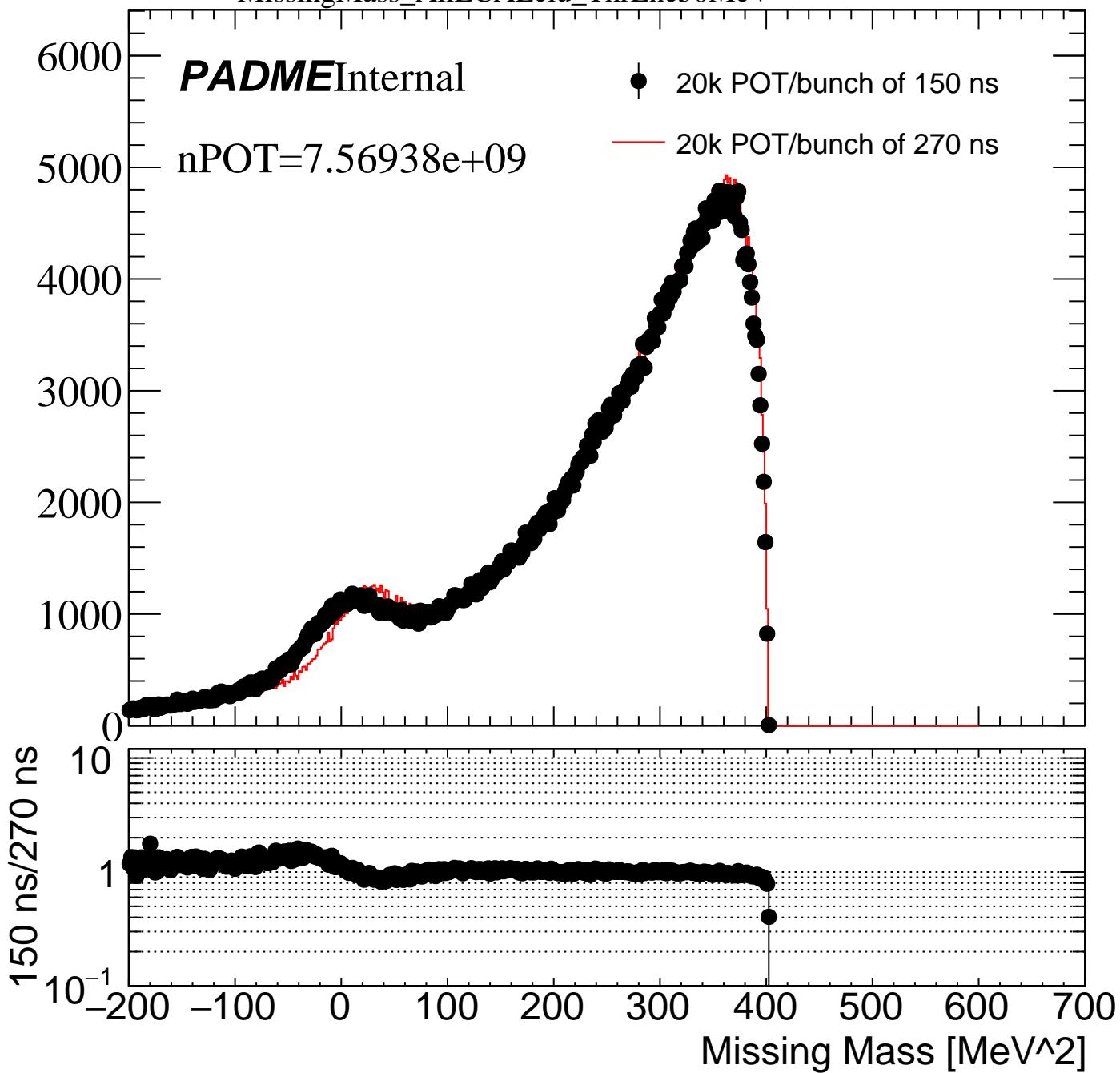


ECal_DeltaThetaFuncAllClThr400MeV1200MeV

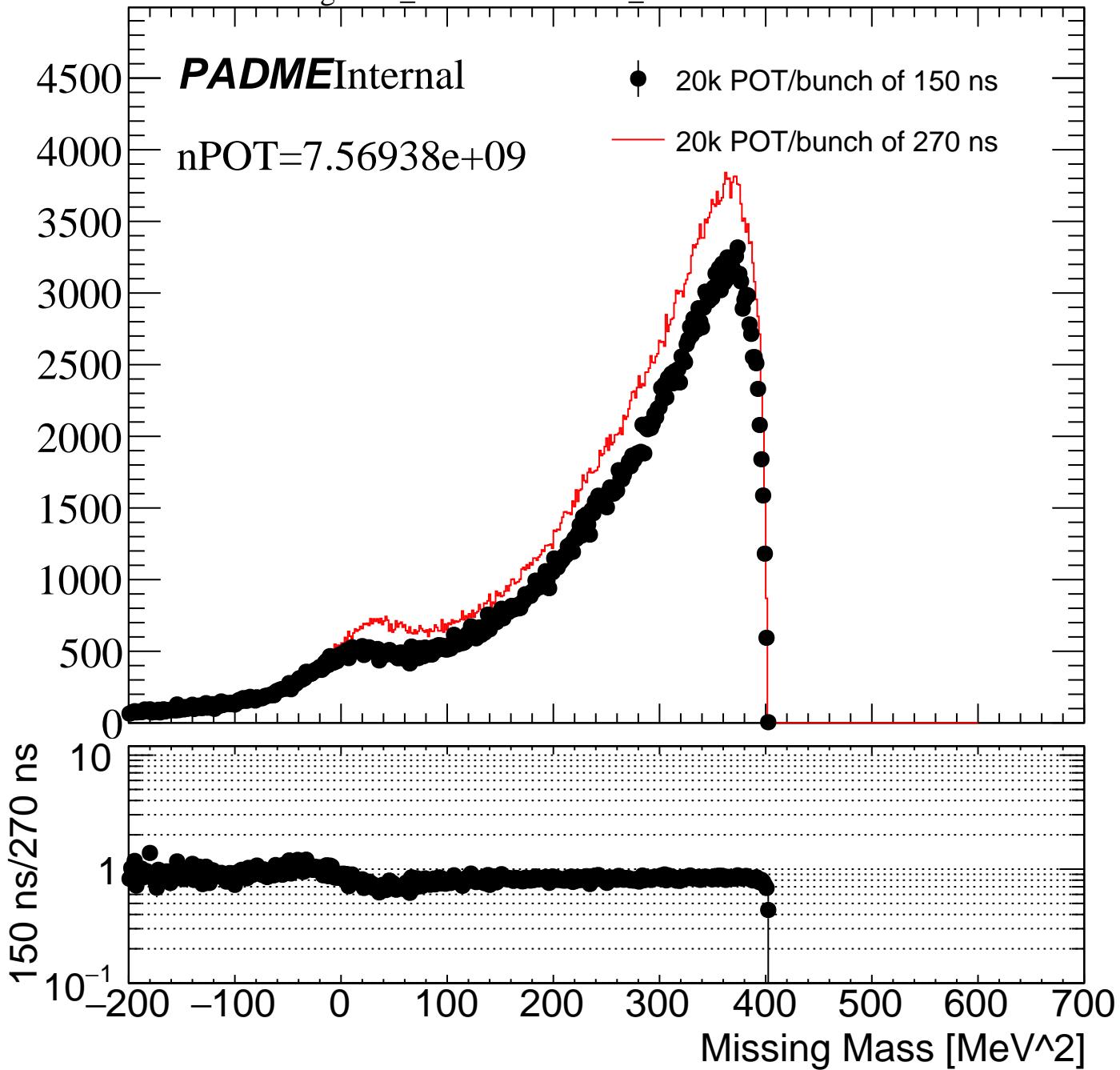




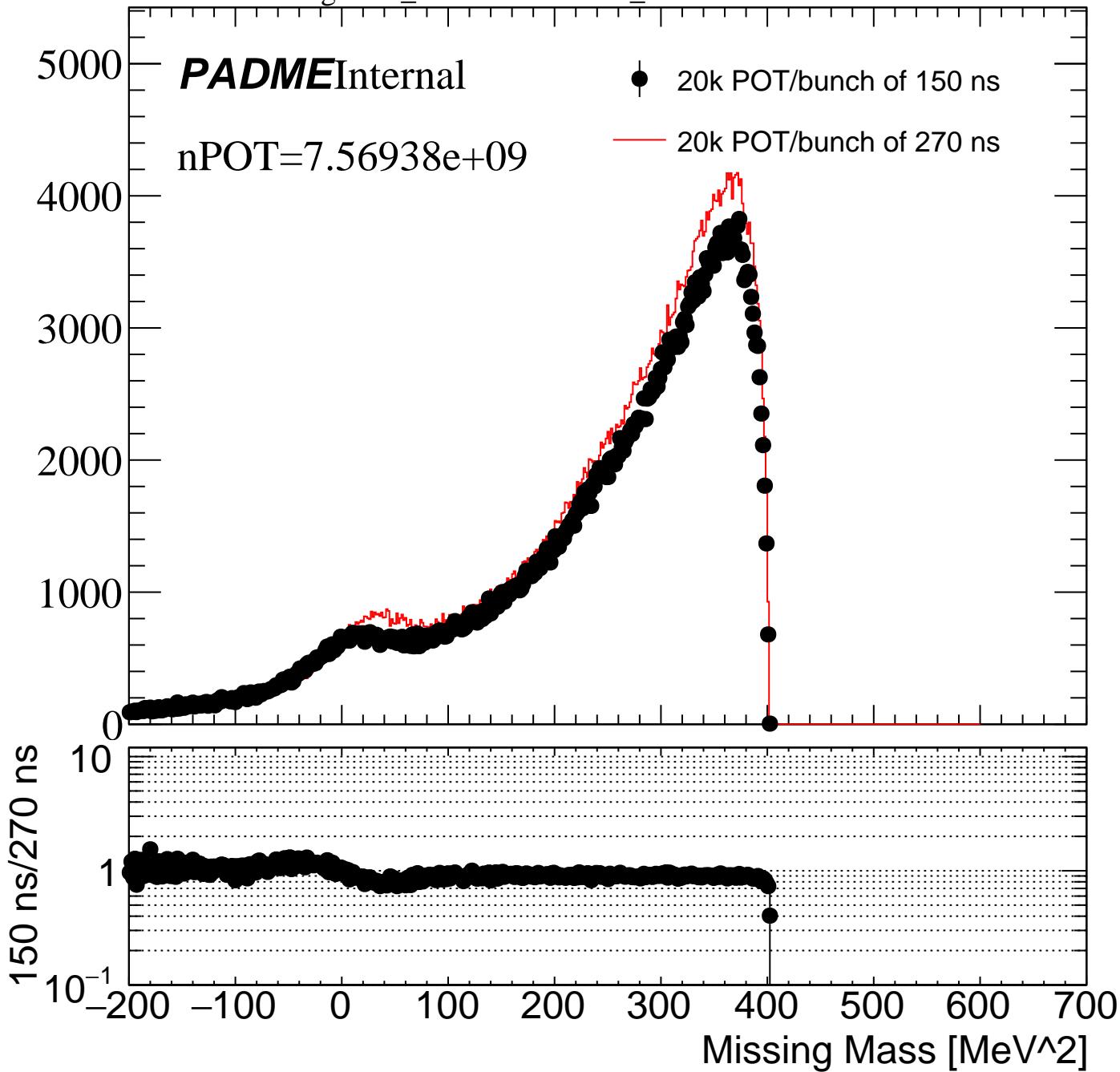
MissingMass_AllECALclu_ThrEne50MeV



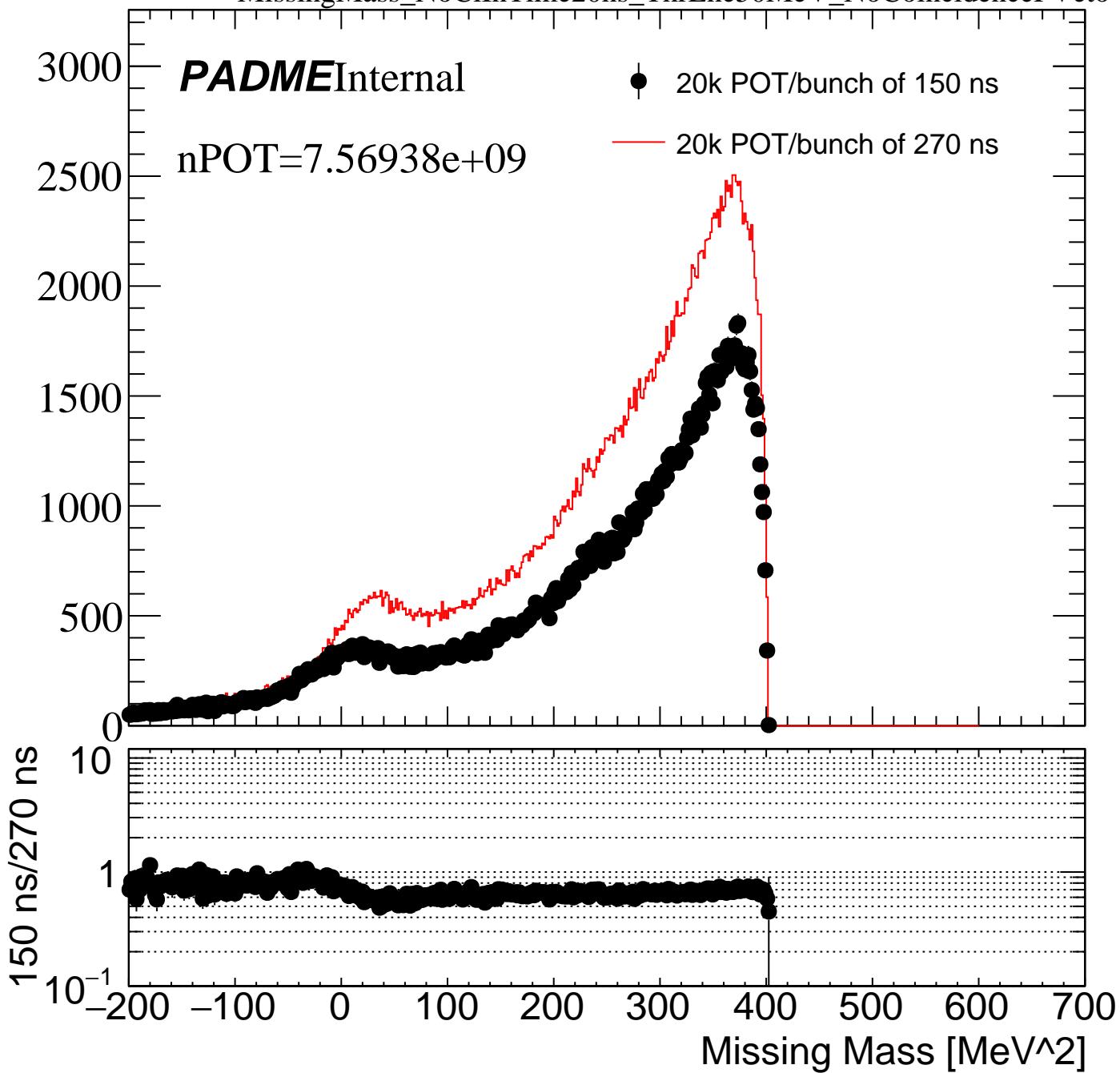
MissingMass_NoClInTime20ns_ThrEne50MeV

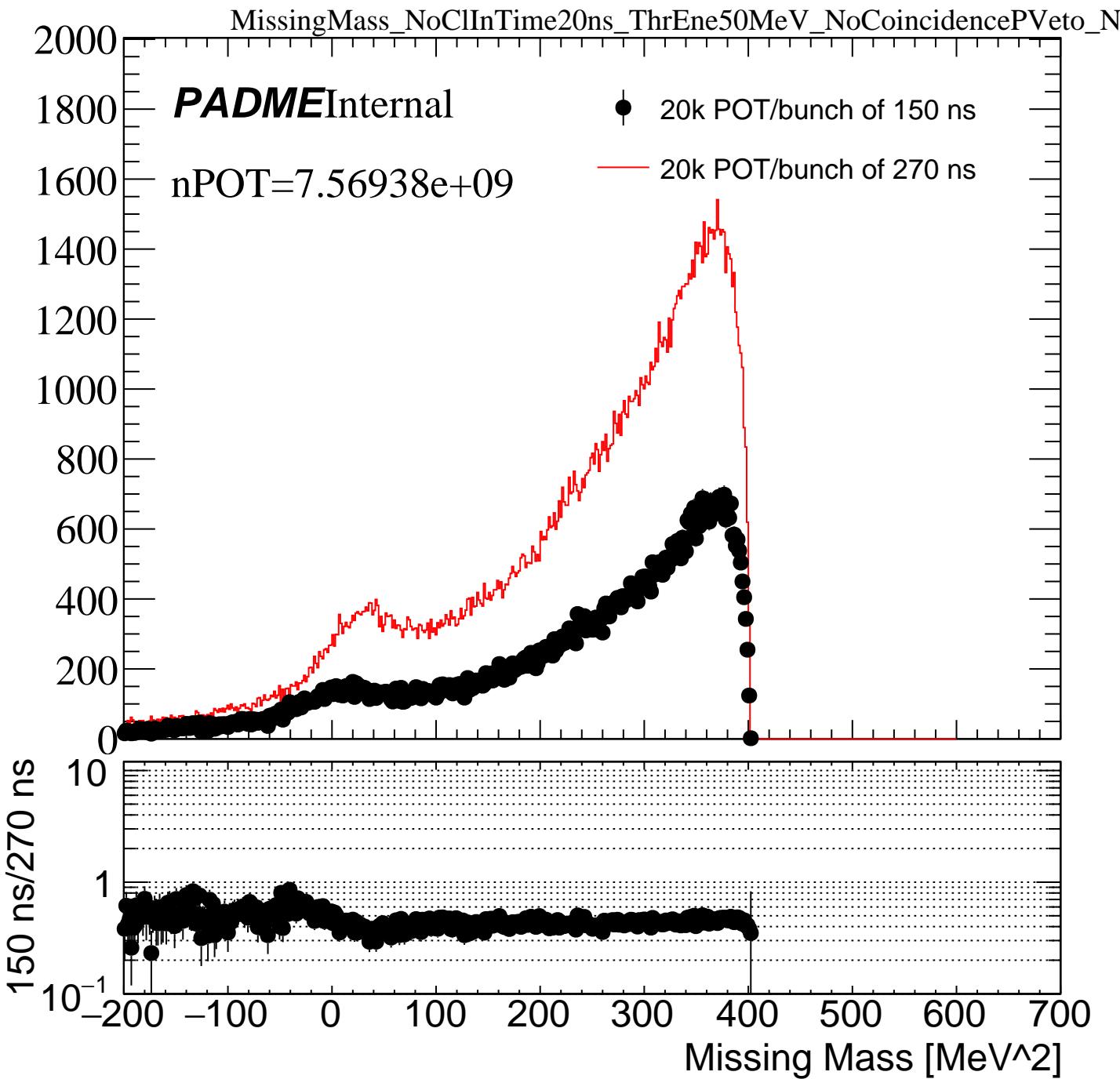


MissingMass_NoClInTime10ns_ThrEne50MeV

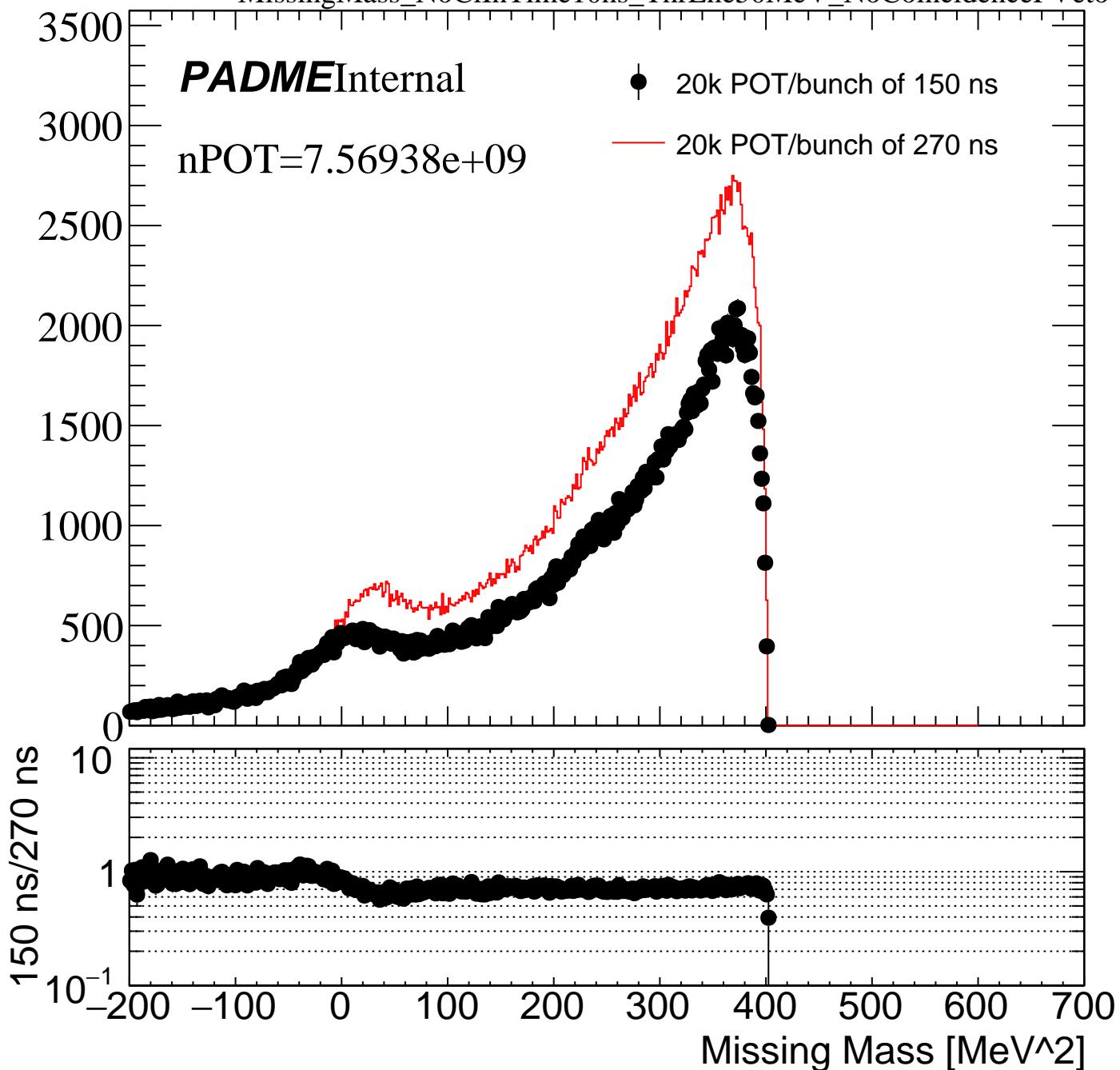


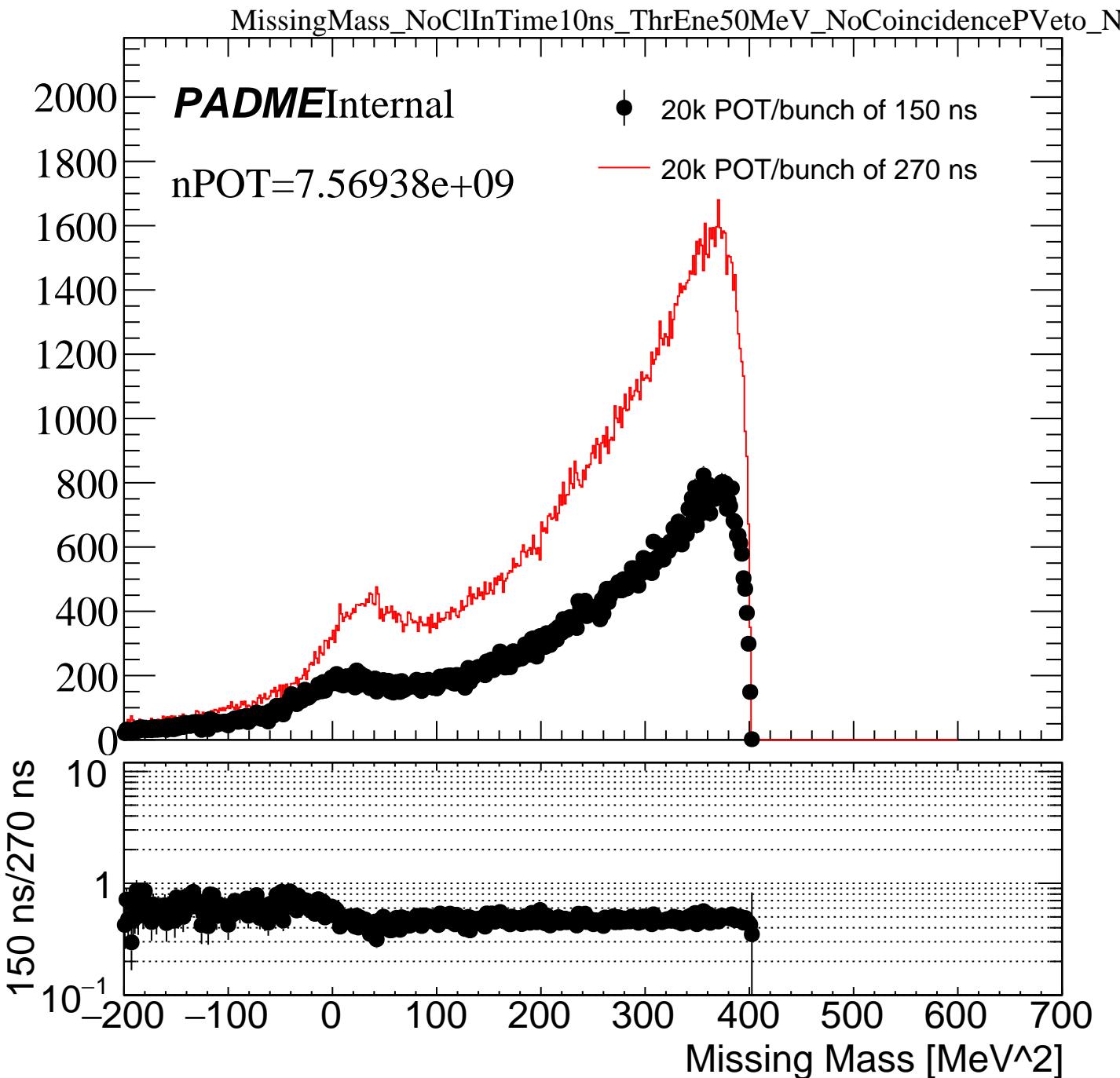
MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto



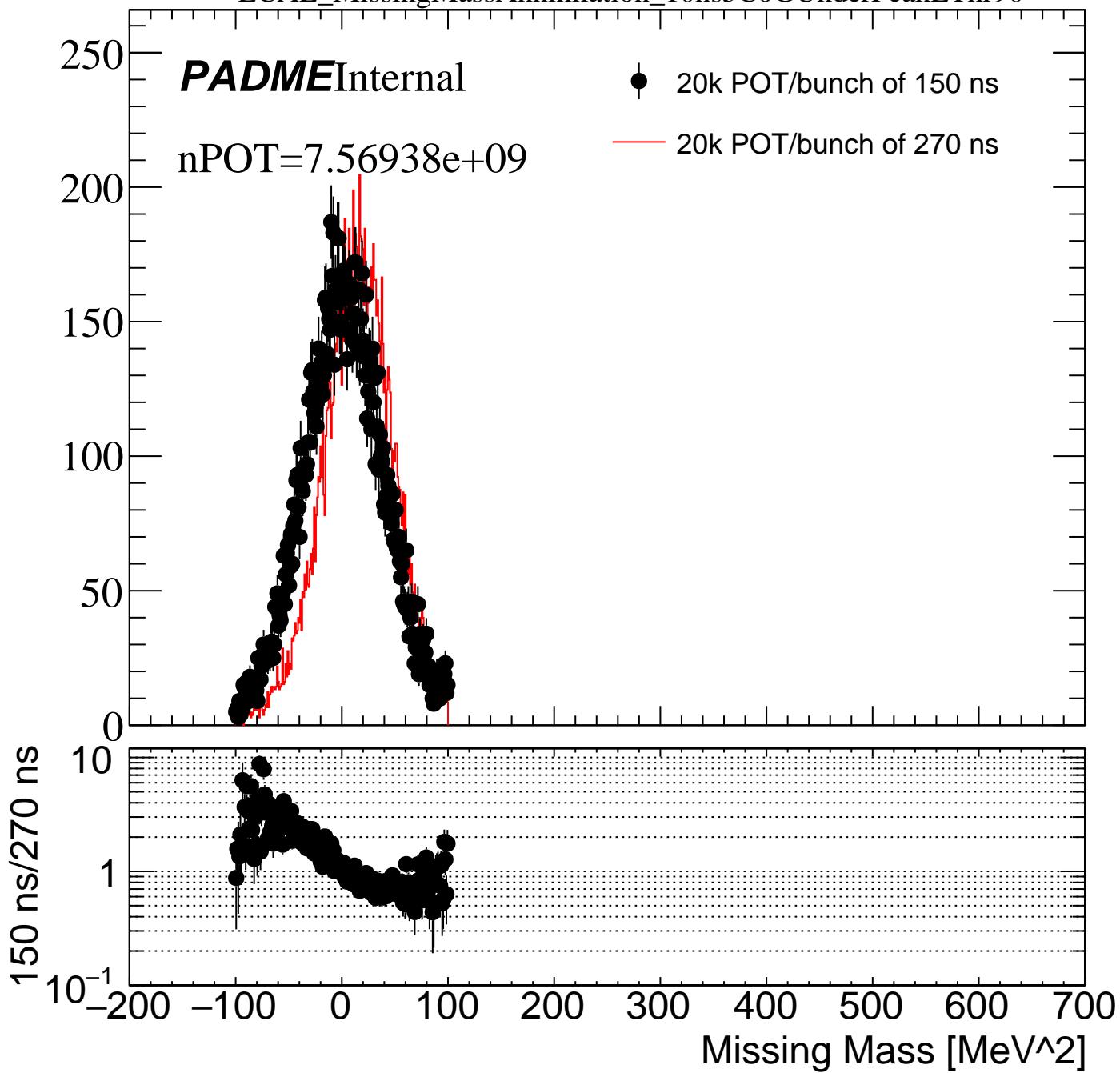


MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto





ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90



ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90

