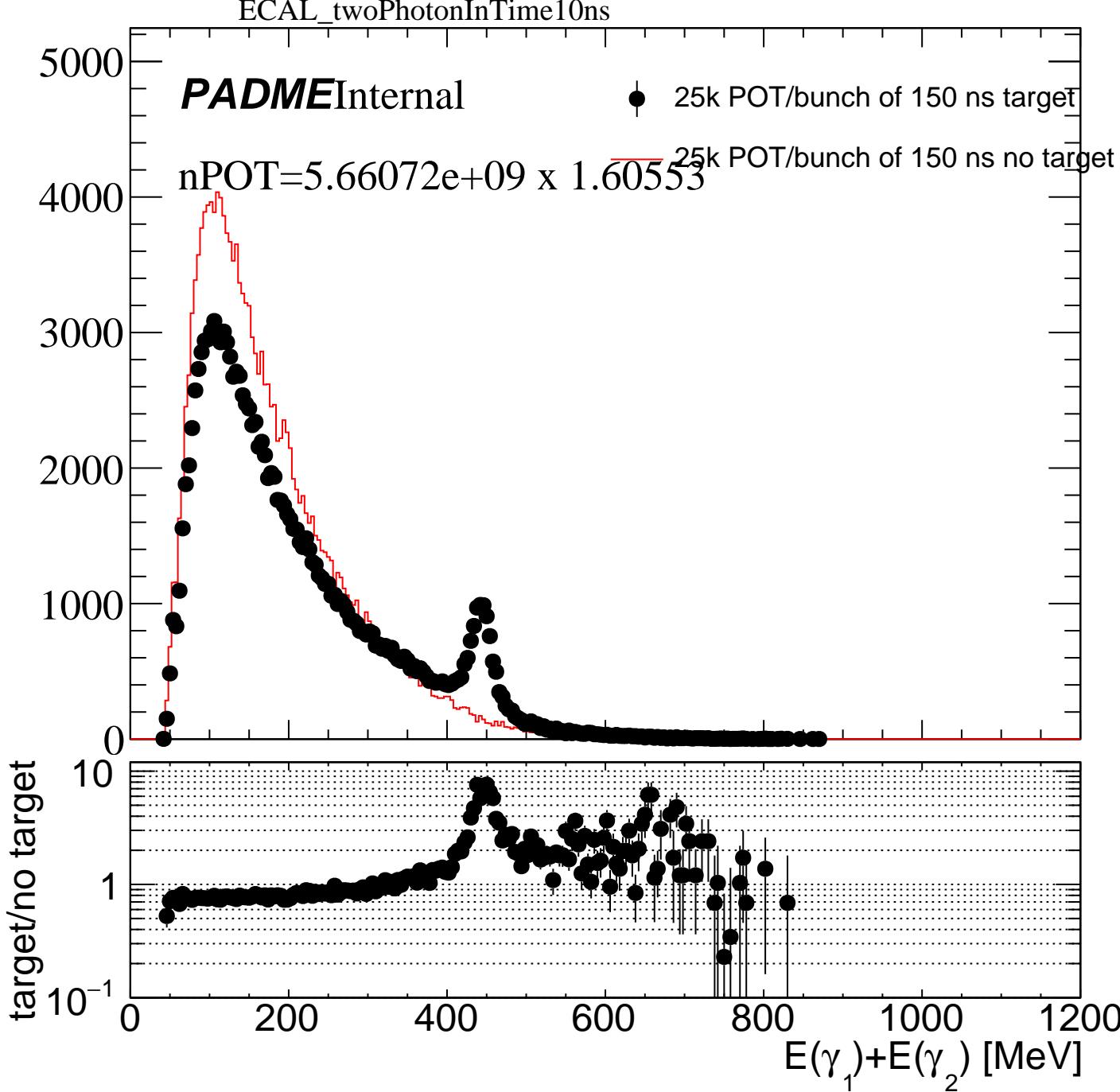
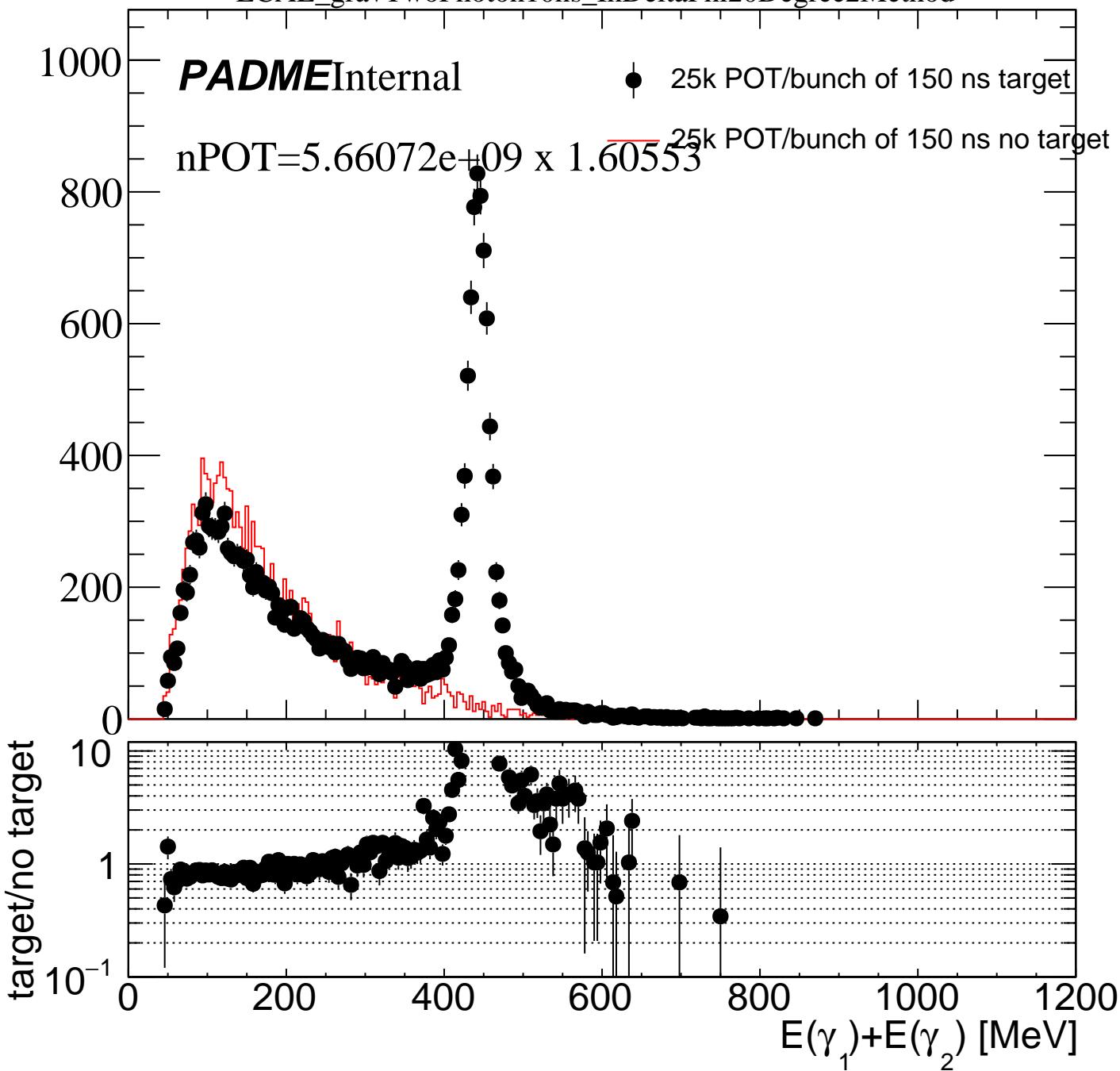


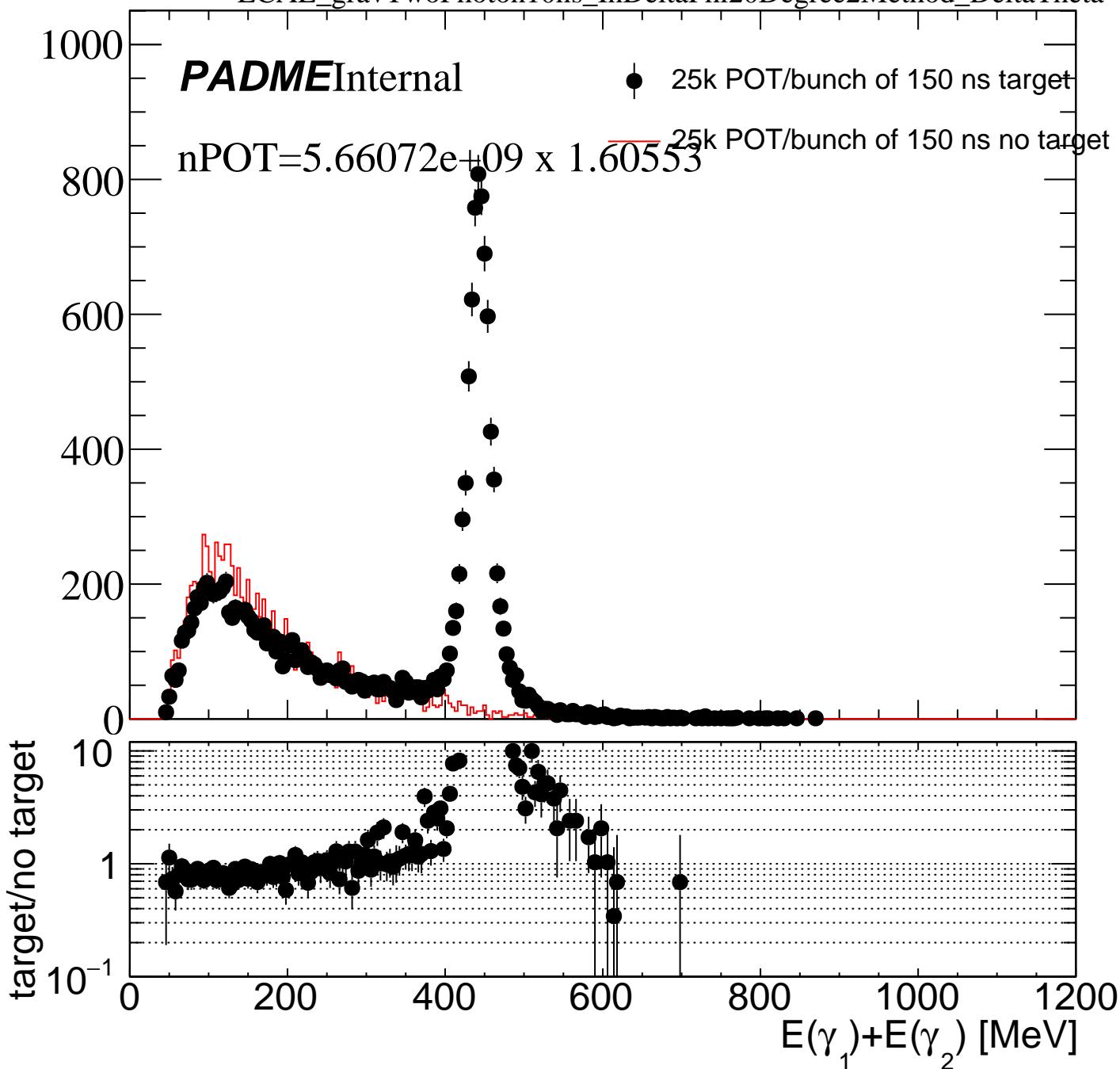
ECAL_twoPhotonInTime10ns



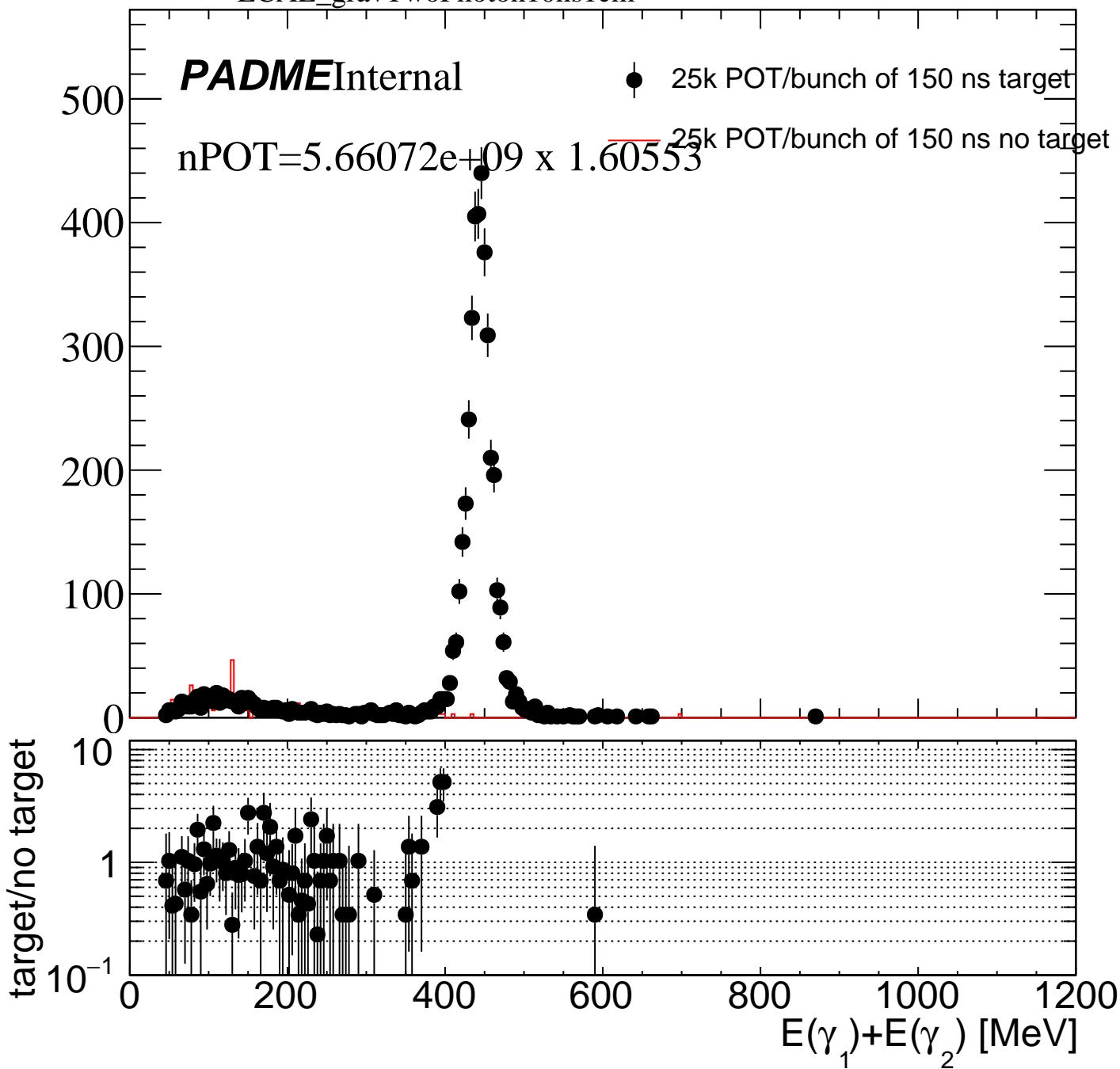
ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method



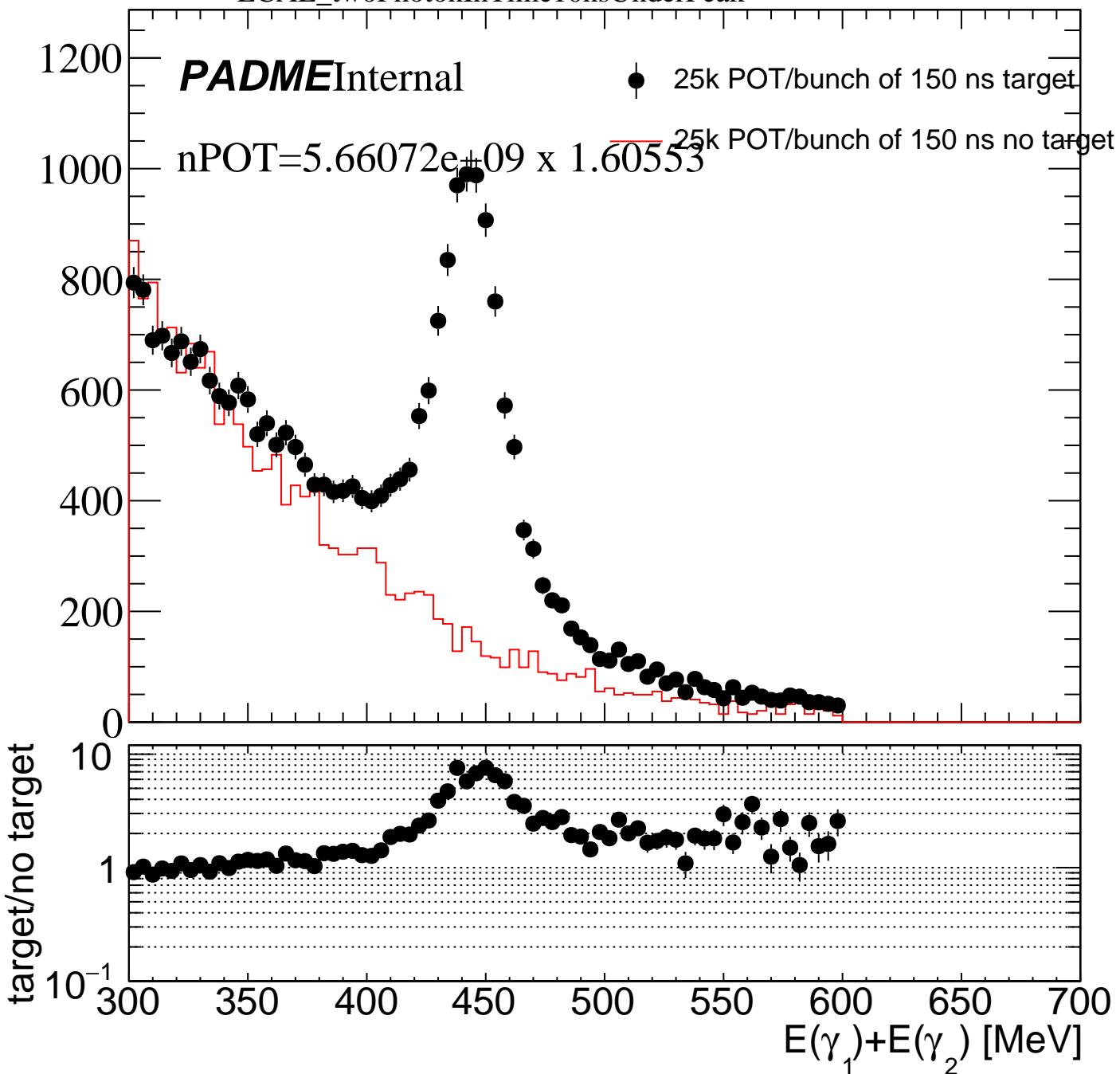
ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method_DeltaTheta



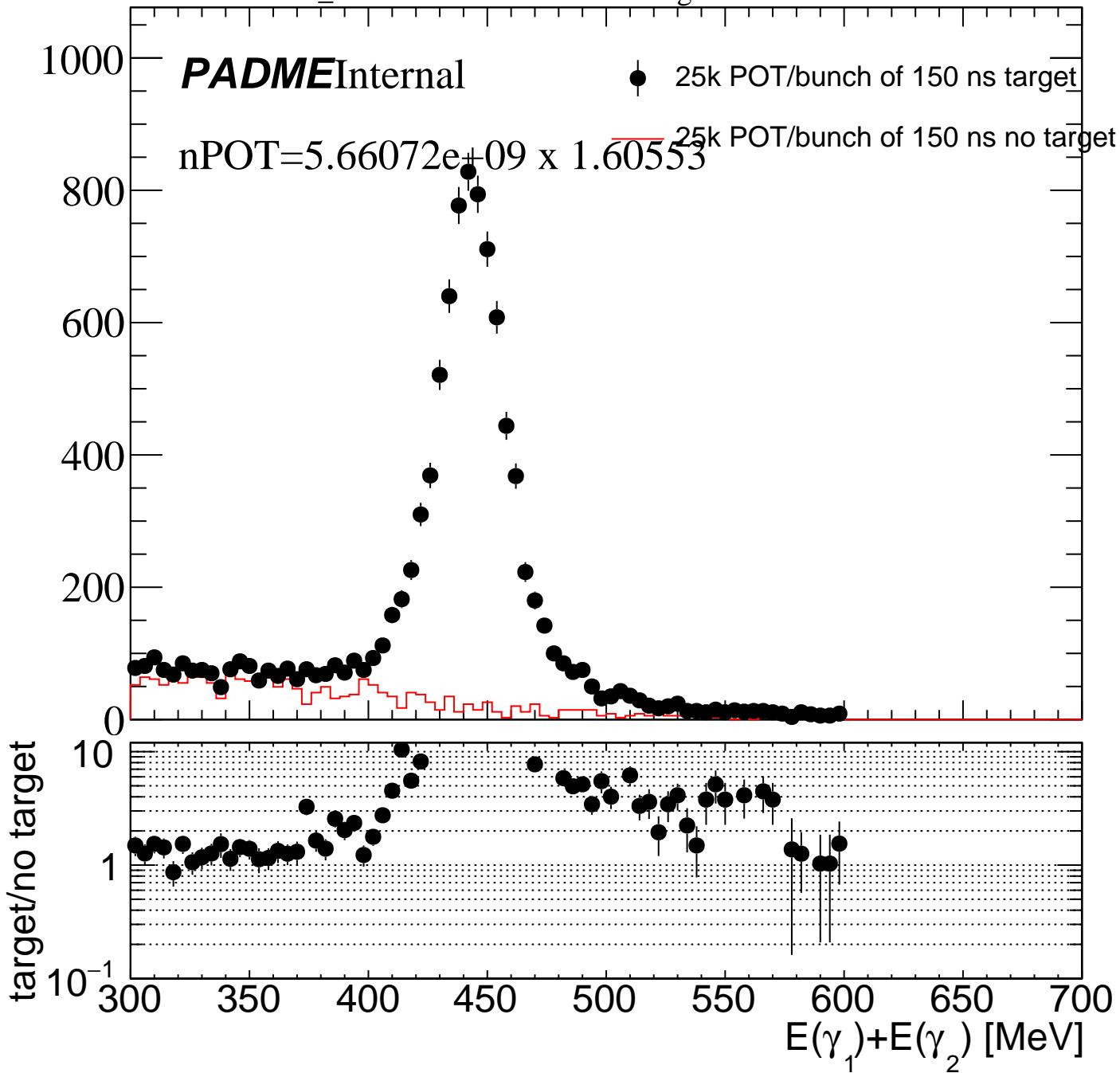
ECAL_gravTwoPhoton10ns1cm



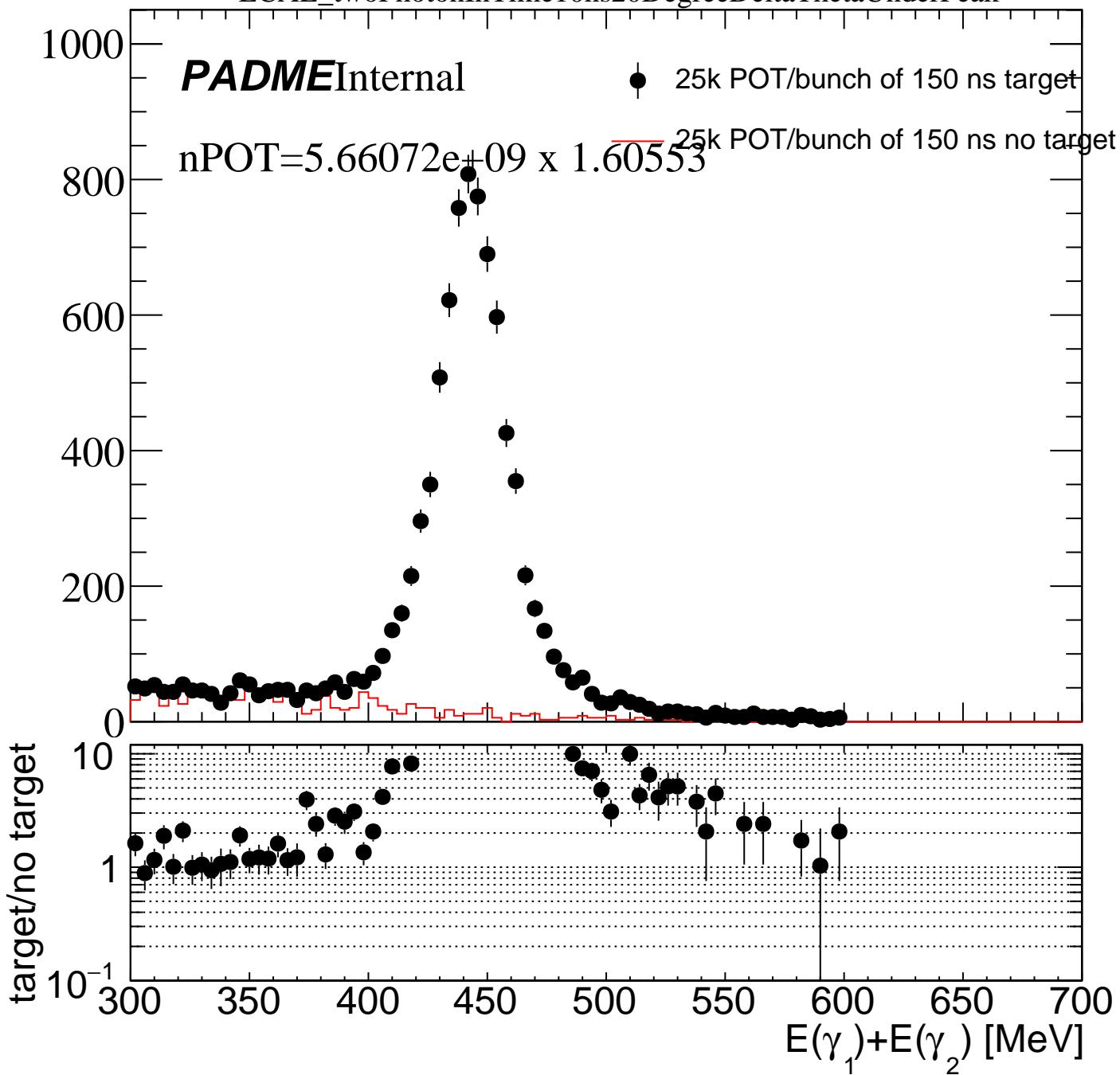
ECAL_twoPhotonInTime10nsUnderPeak



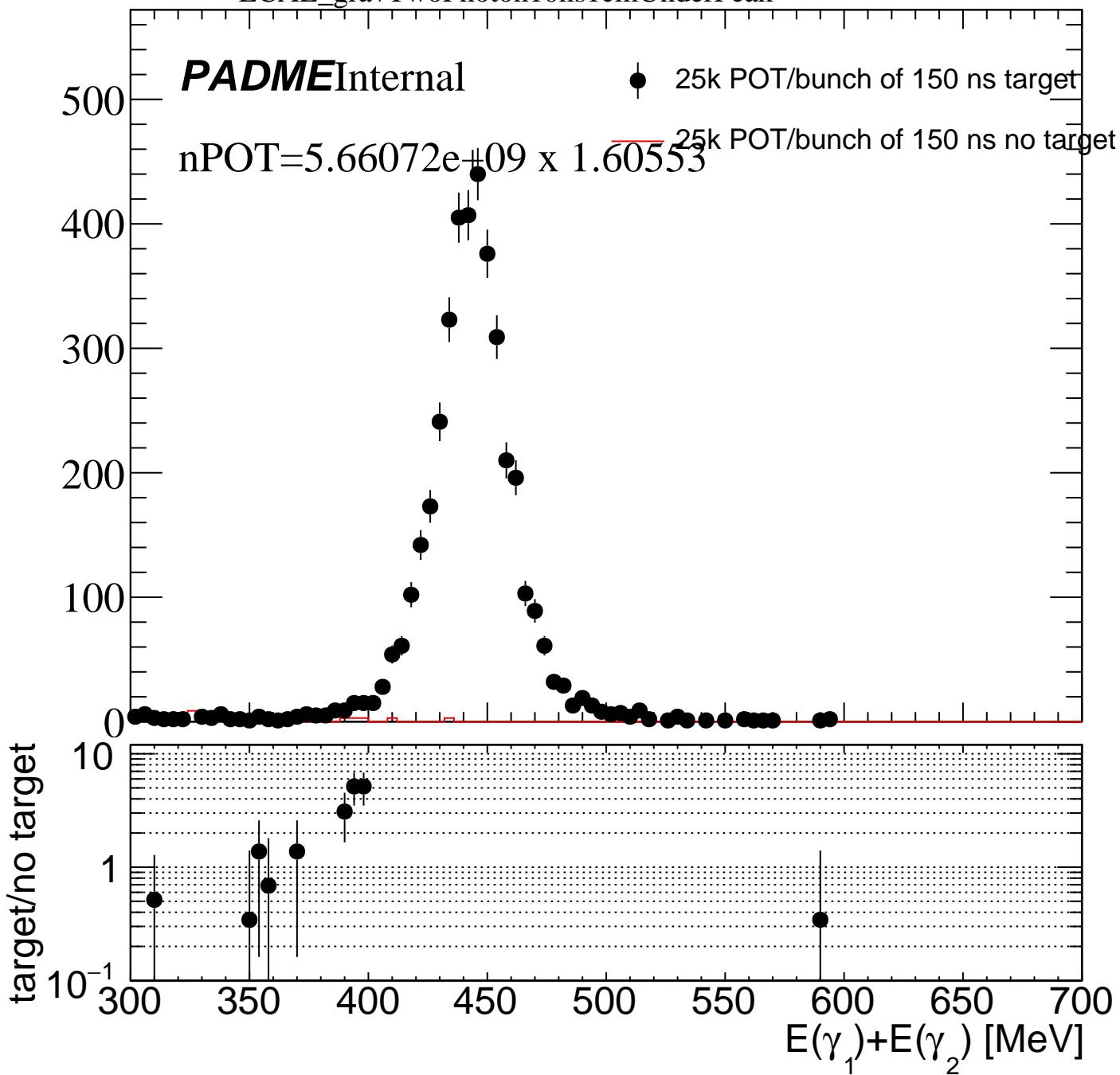
ECAL_twoPhotonInTime10ns20DegreeUnderPeak



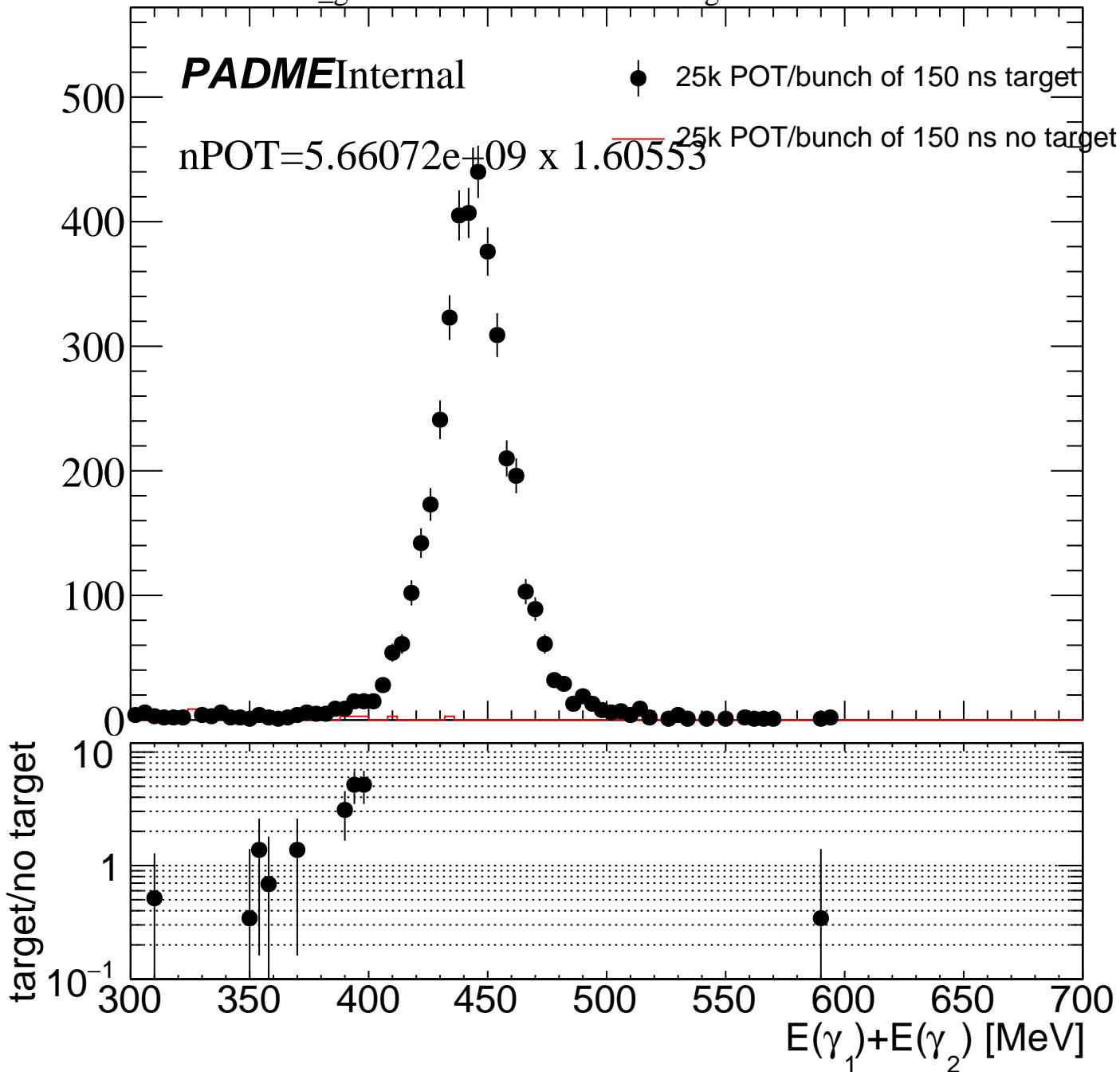
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak



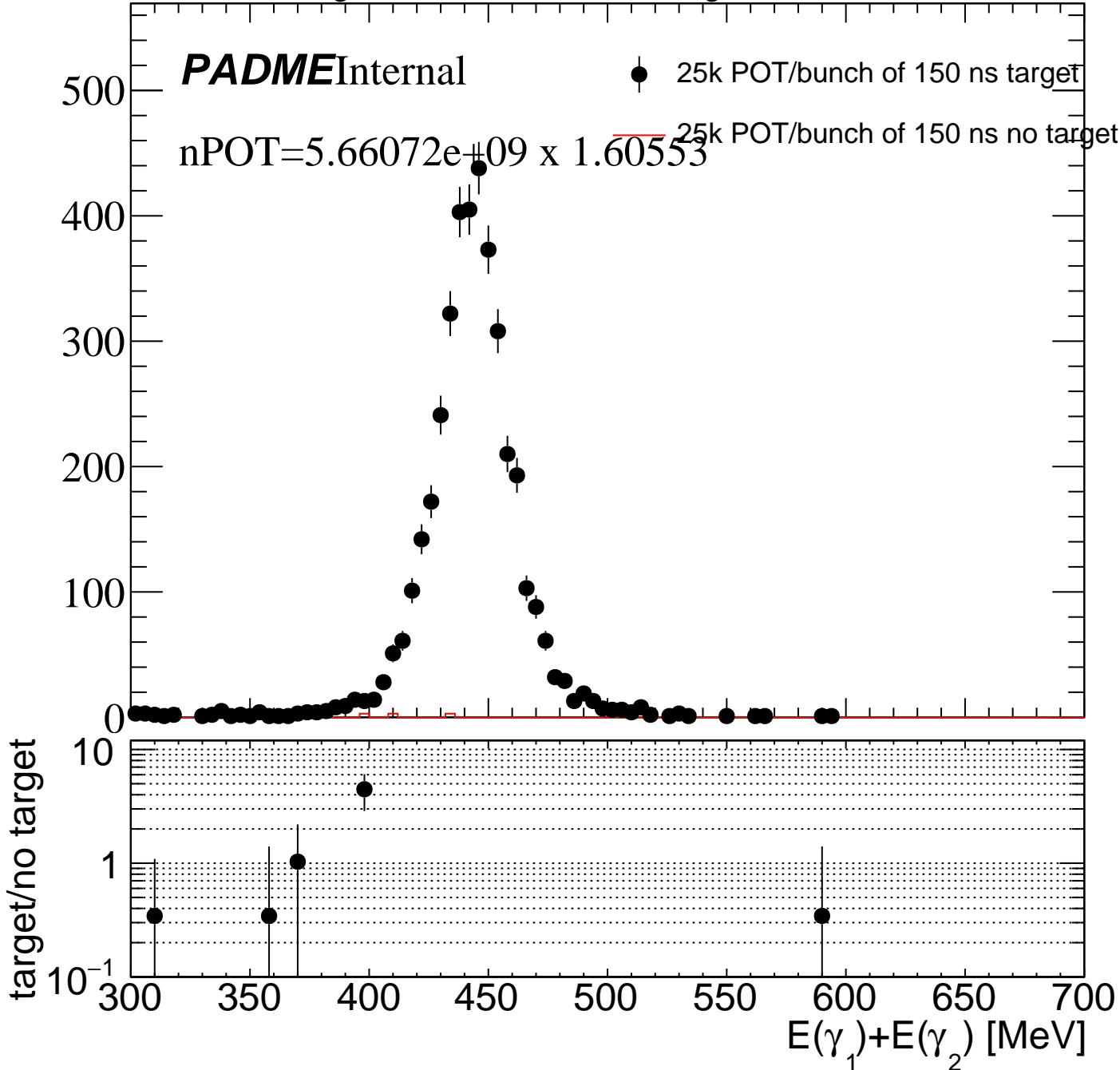
ECAL_gravTwoPhoton10ns1cmUnderPeak



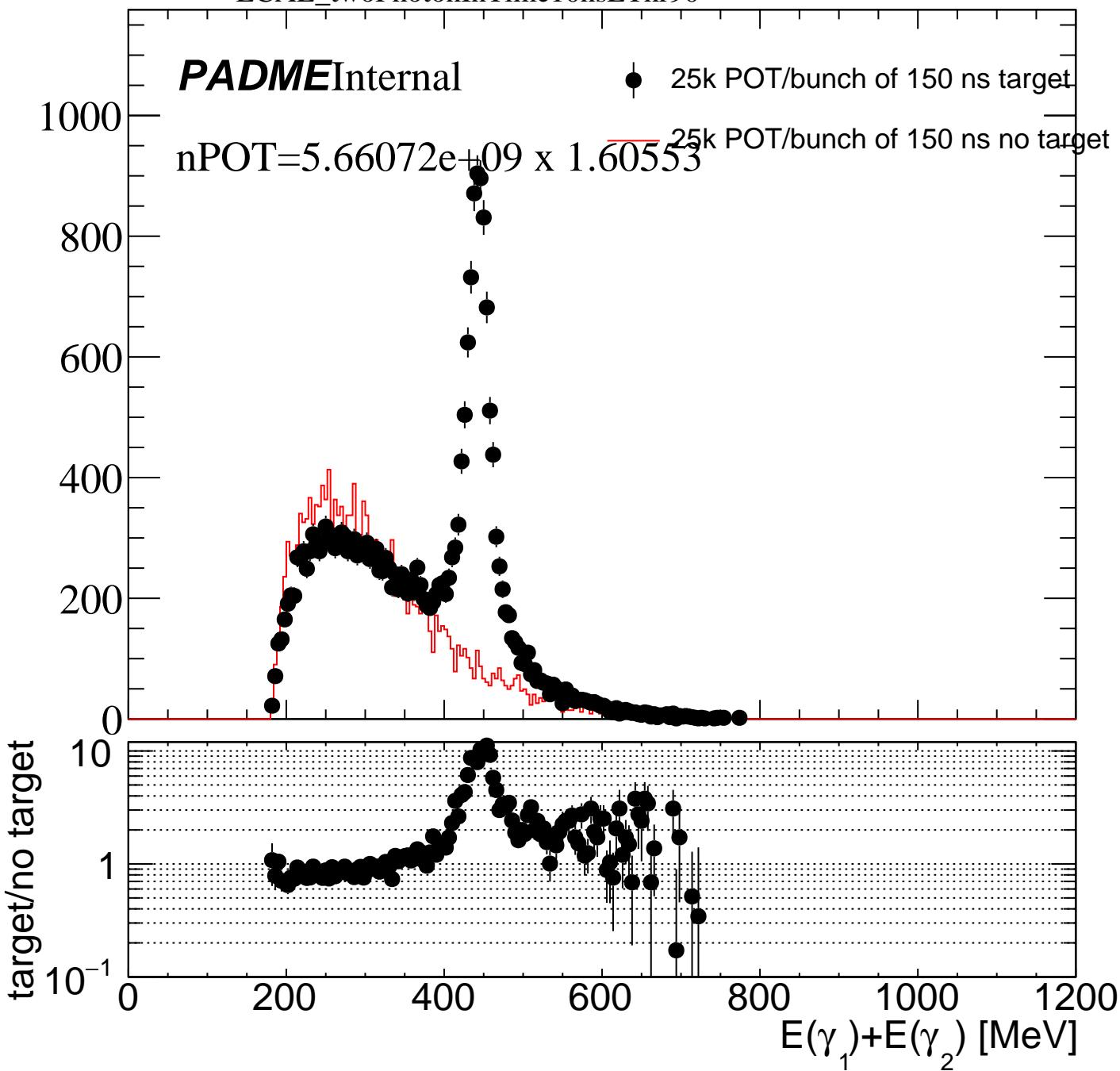
ECAL_gravTwoPhoton10ns1cm20DegreeUnderPeak



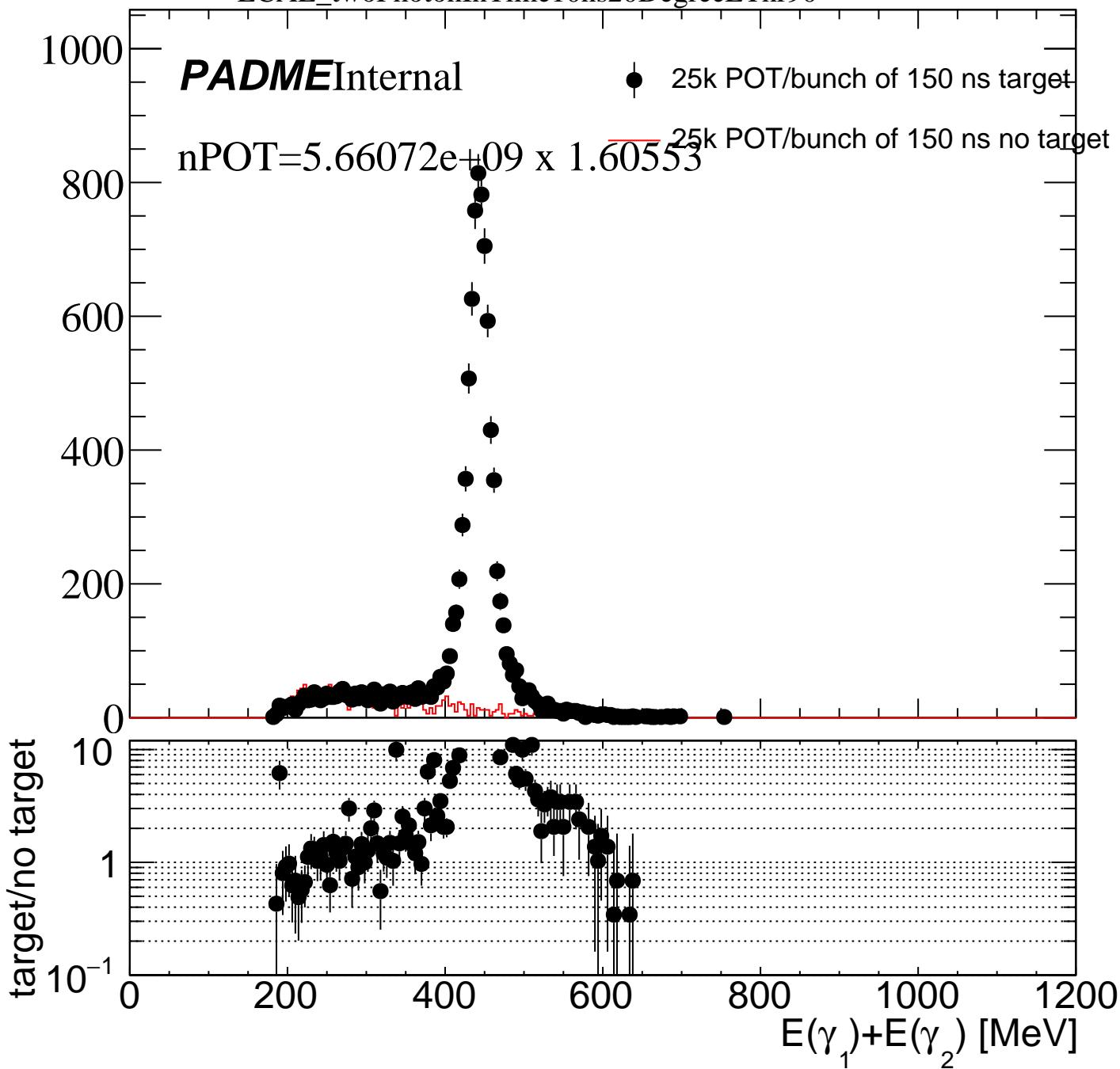
ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaUnderPeak



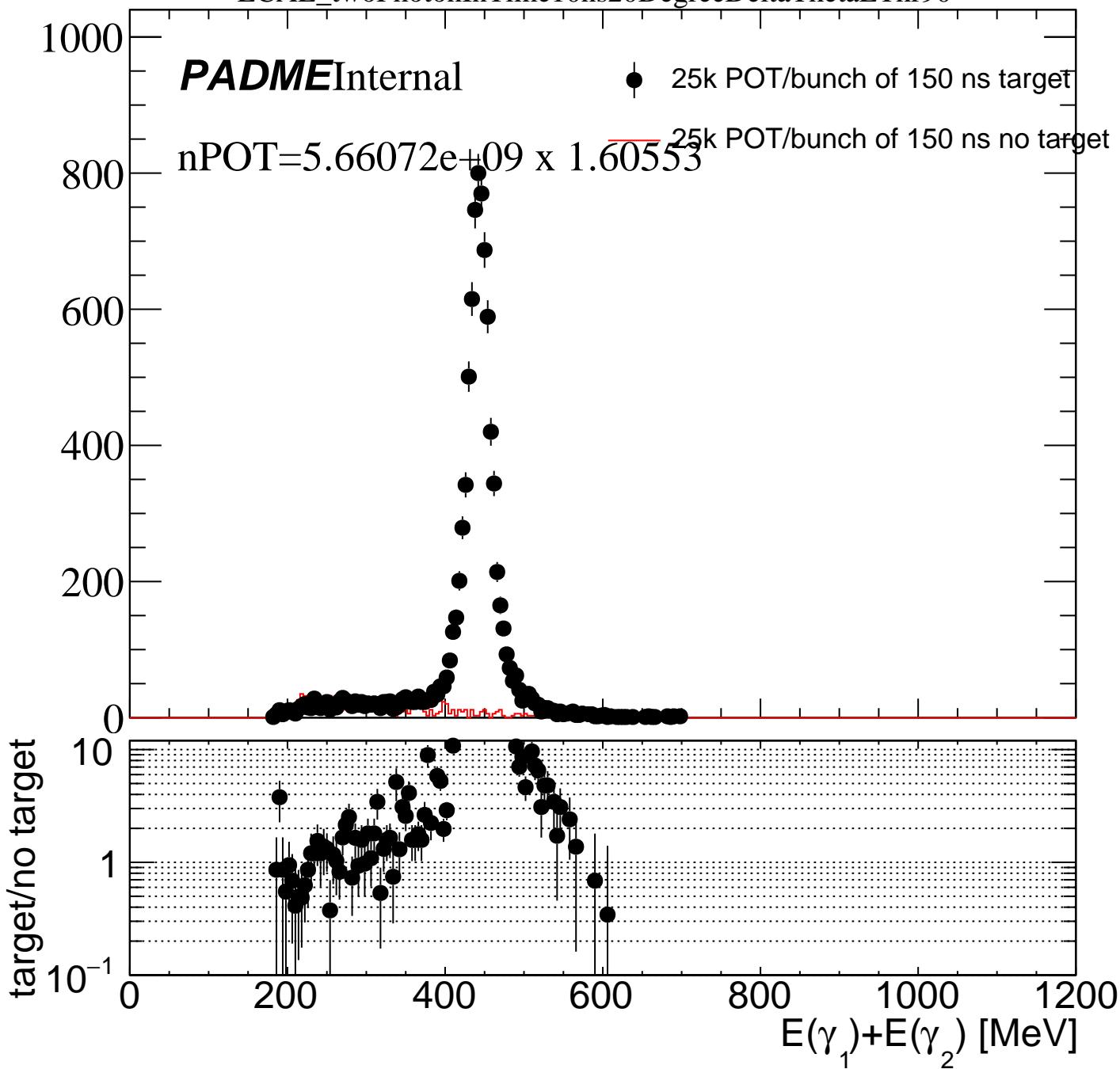
ECAL_twoPhotonInTime10nsEThr90



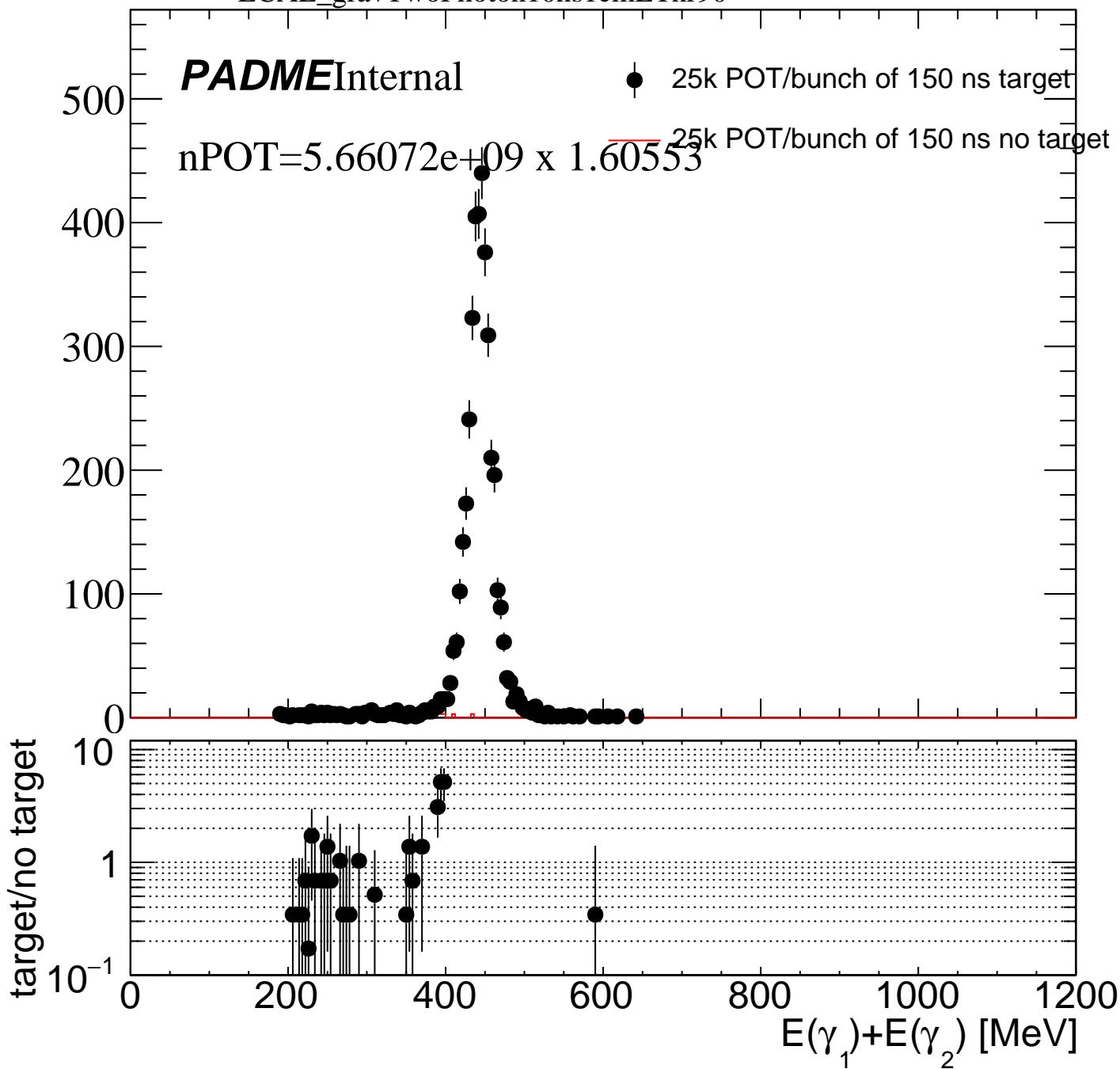
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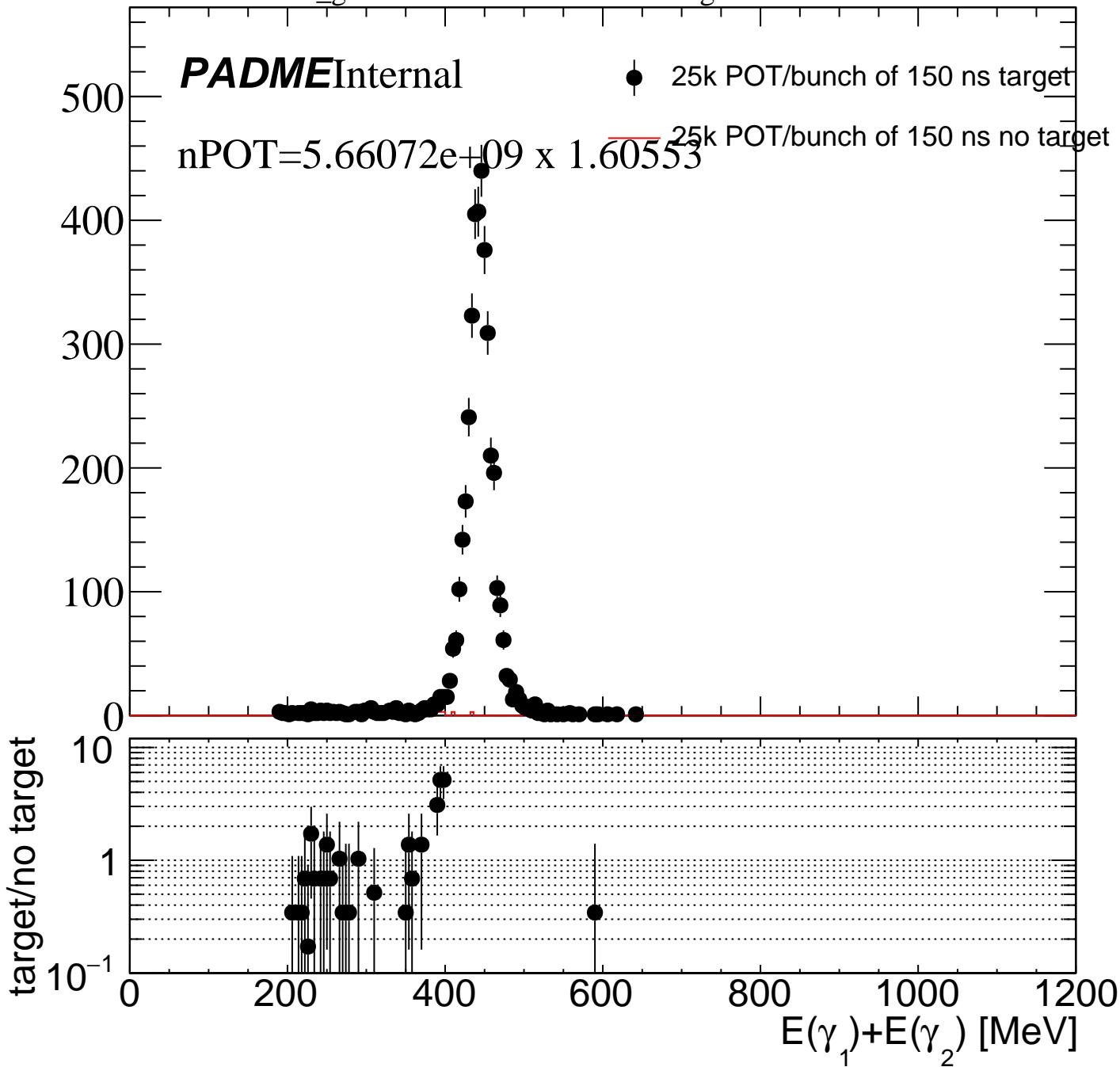
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaEThr90



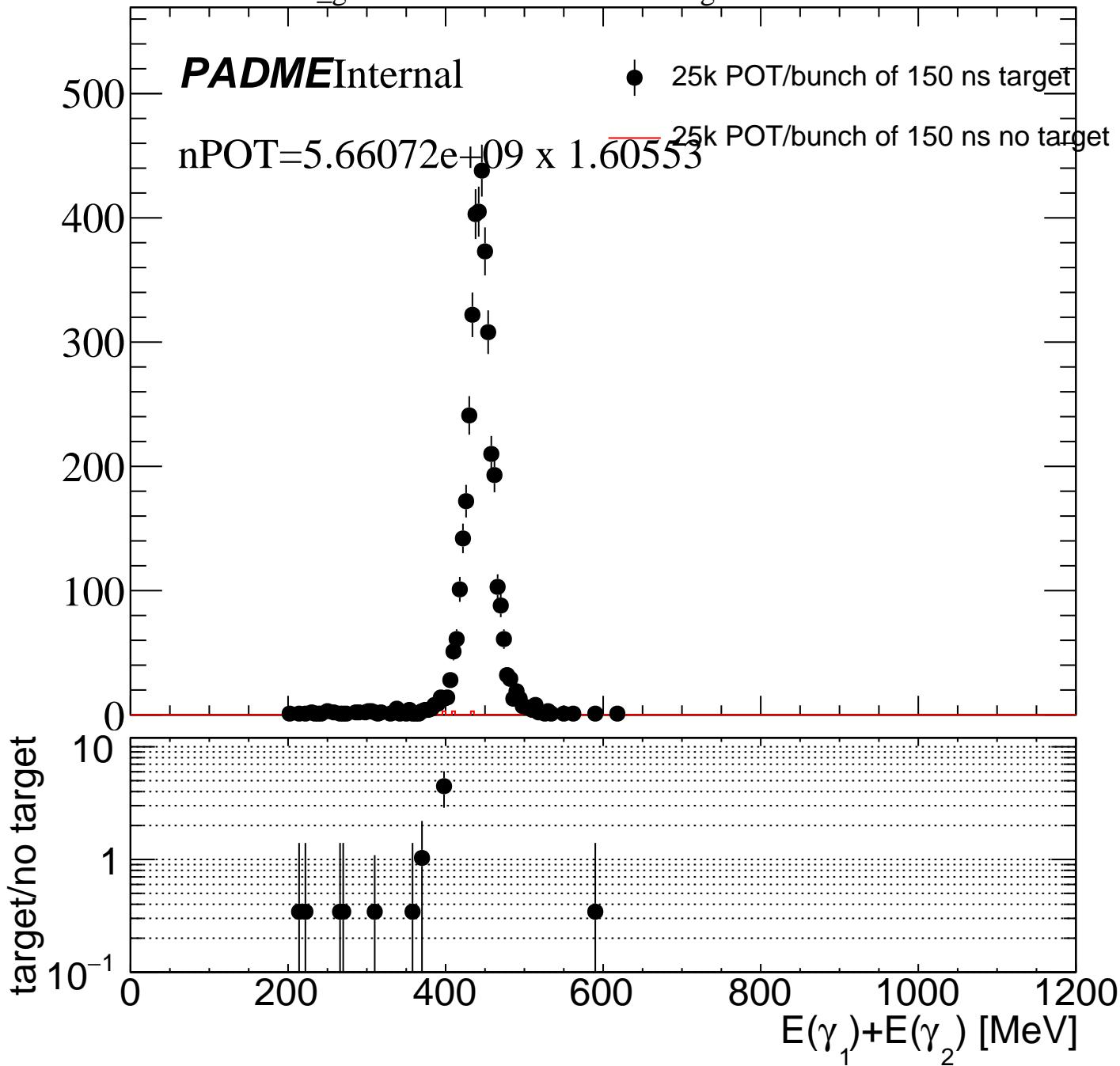
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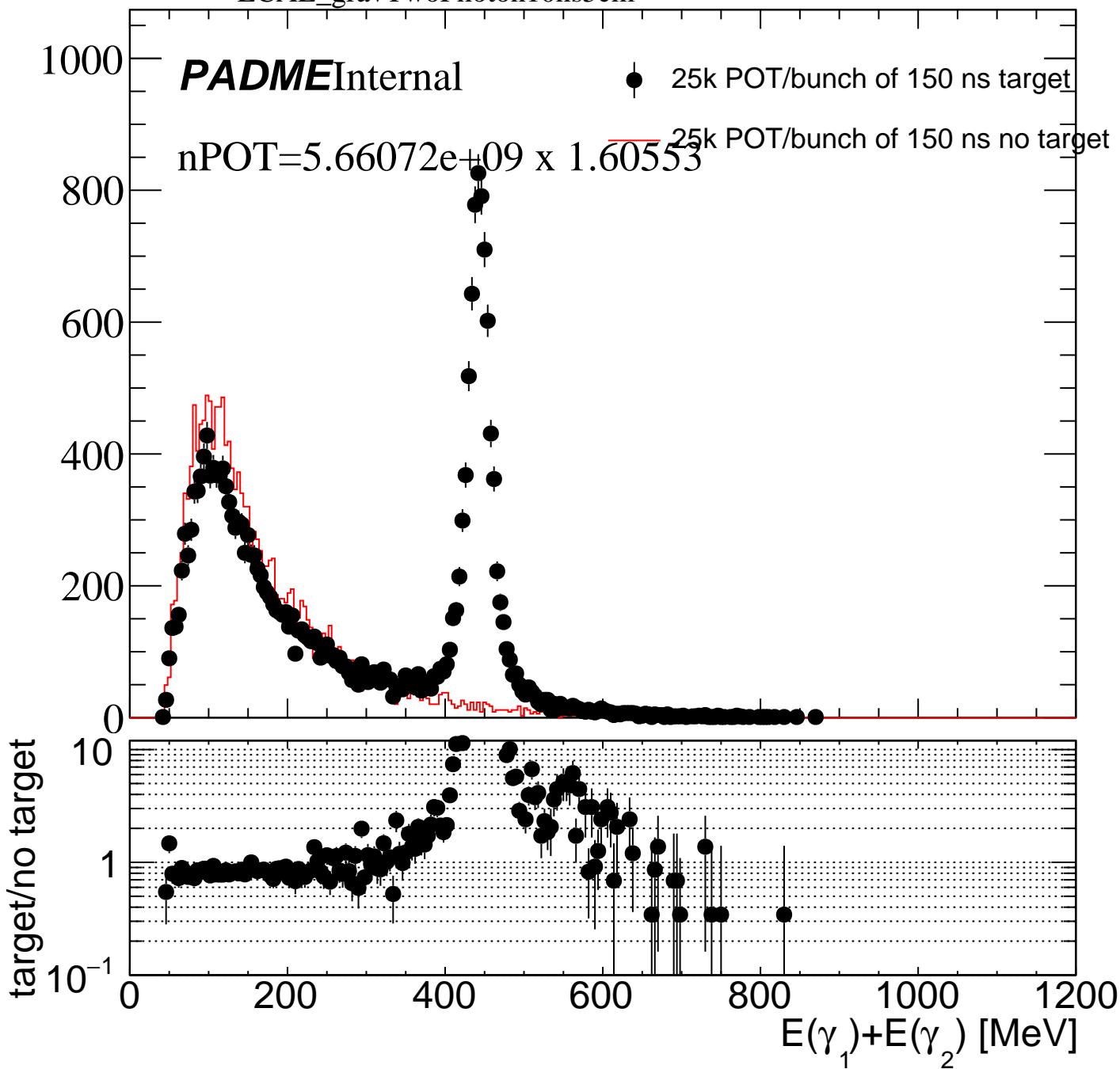
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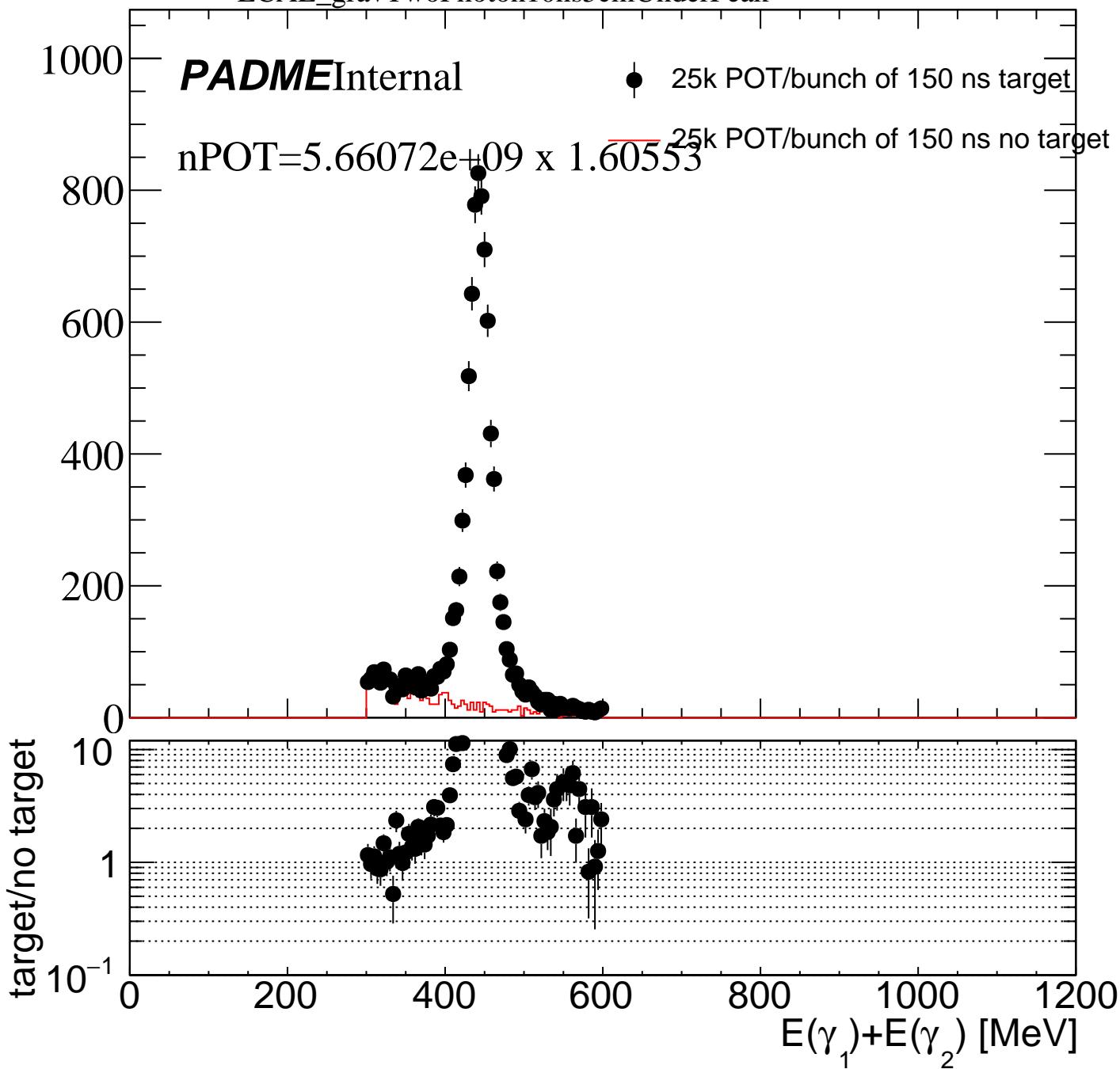
ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaEThr90



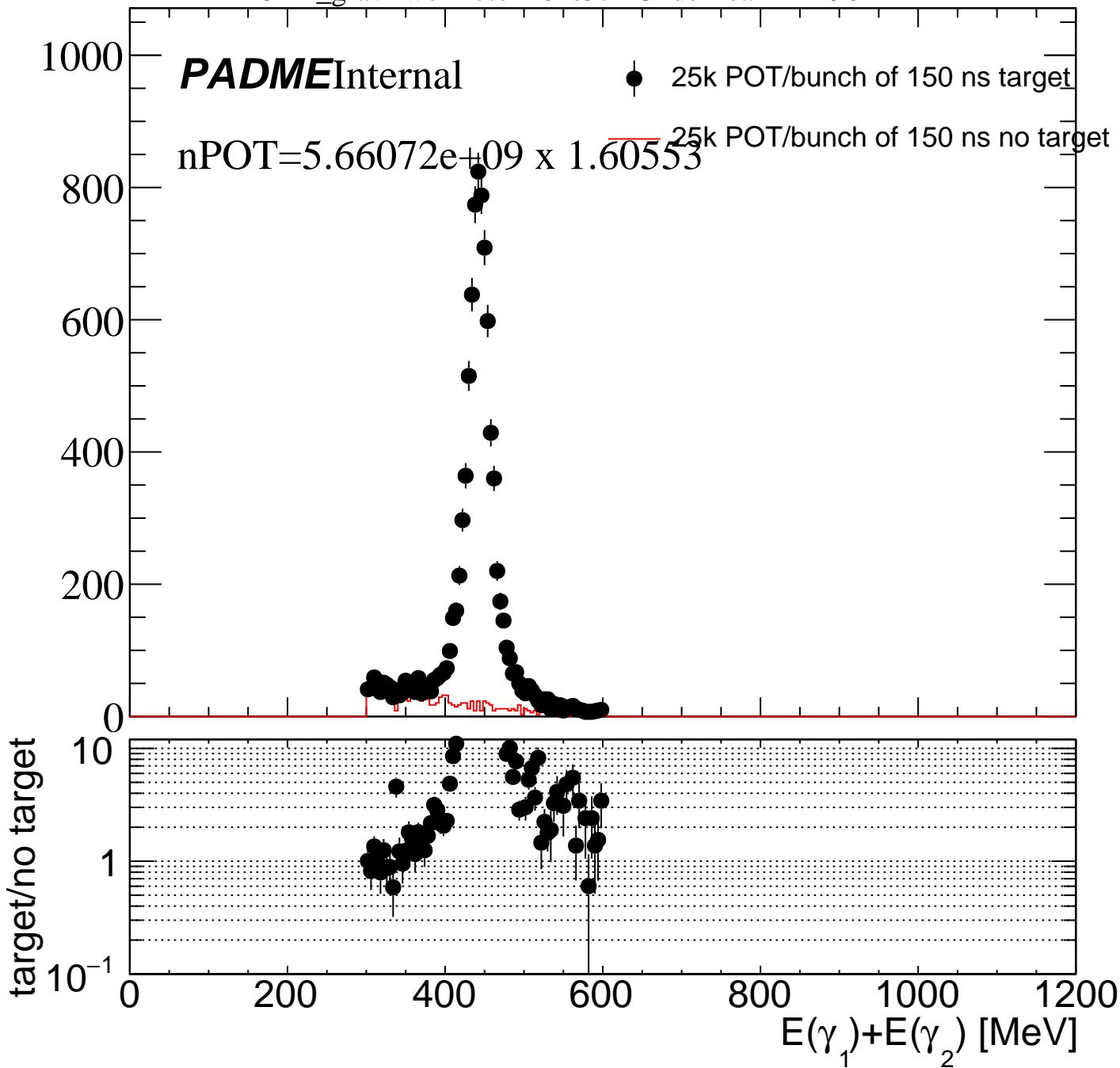
ECAL_gravTwoPhoton10ns5cm



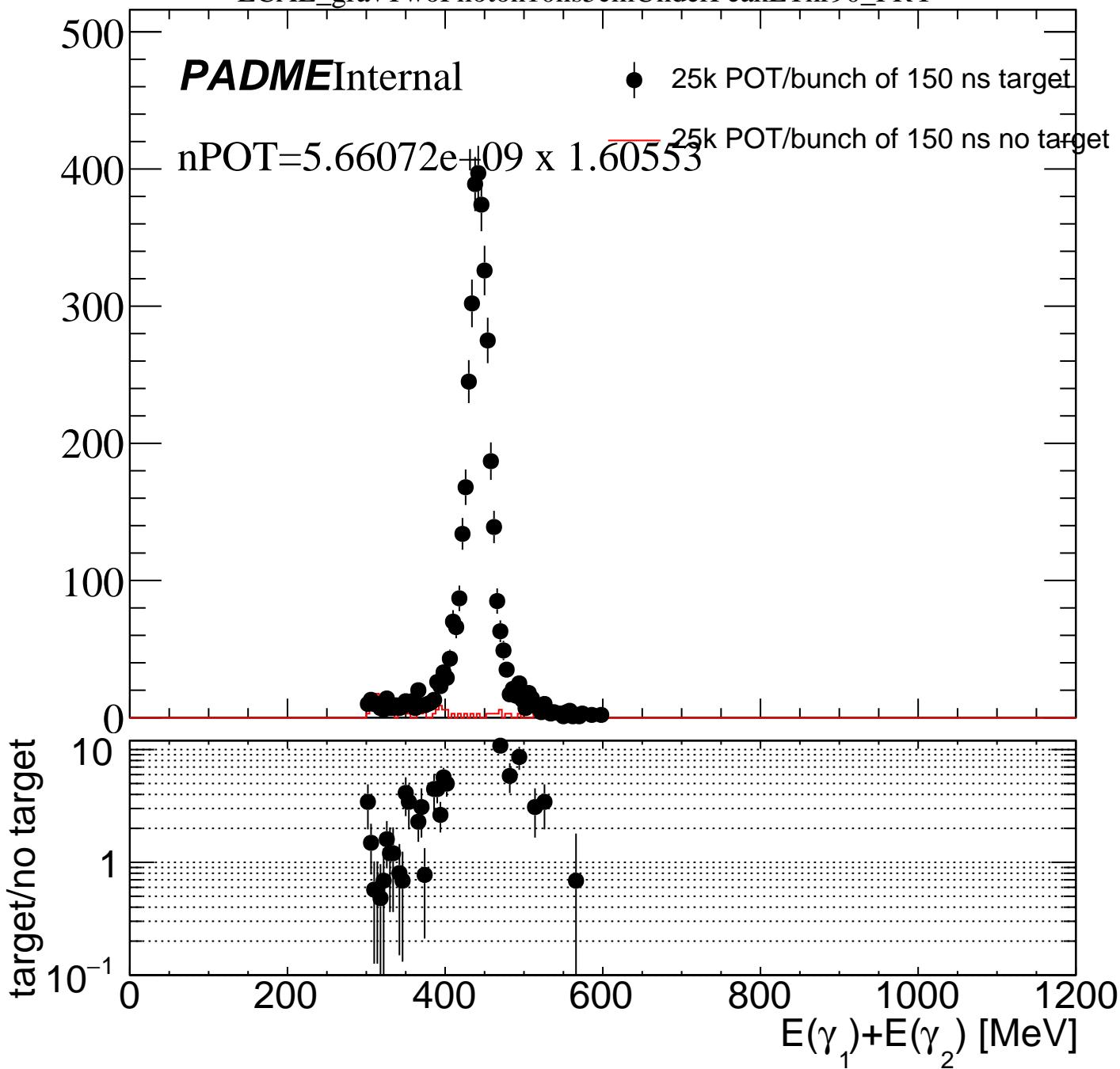
ECAL_gravTwoPhoton10ns5cmUnderPeak



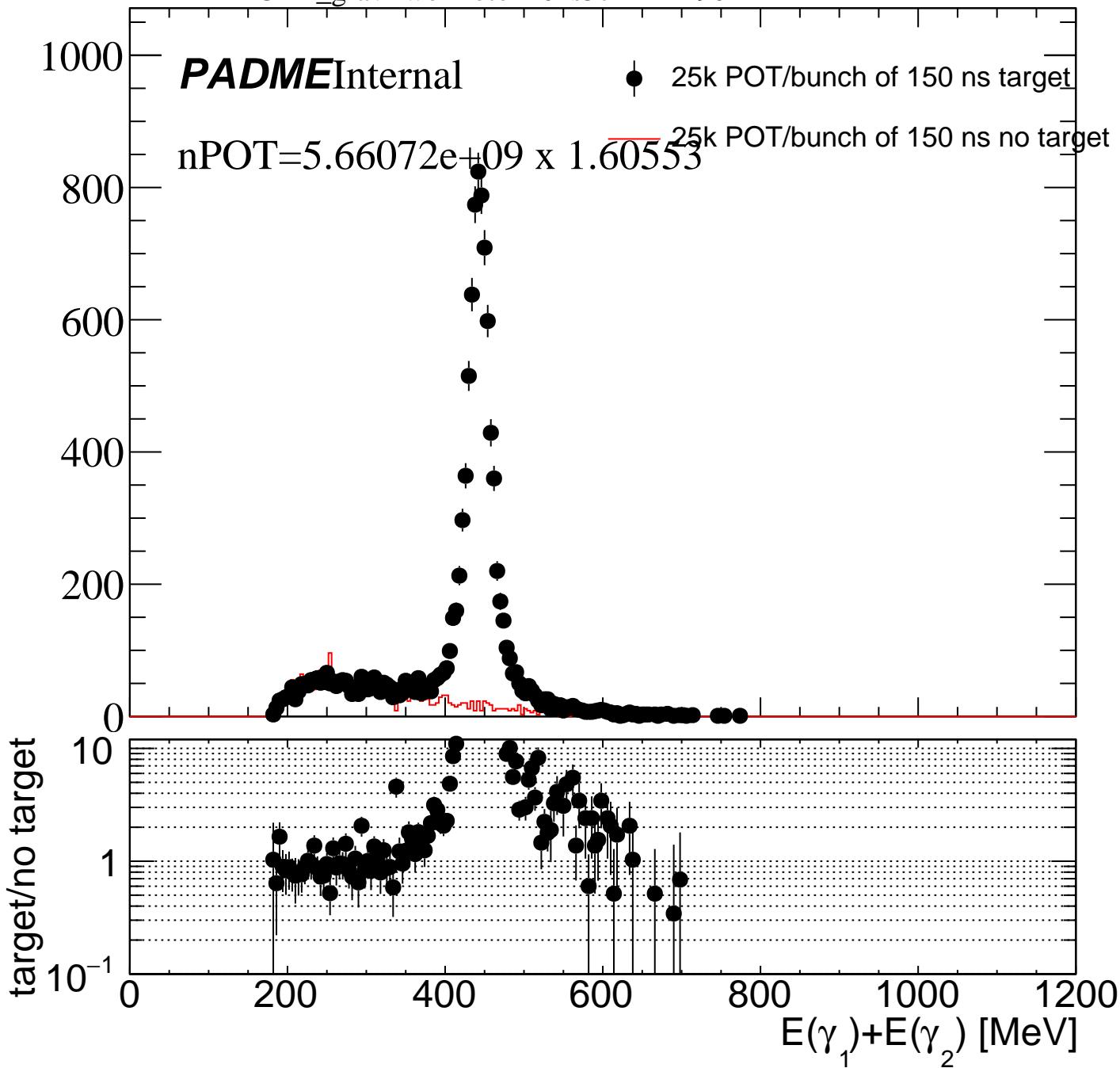
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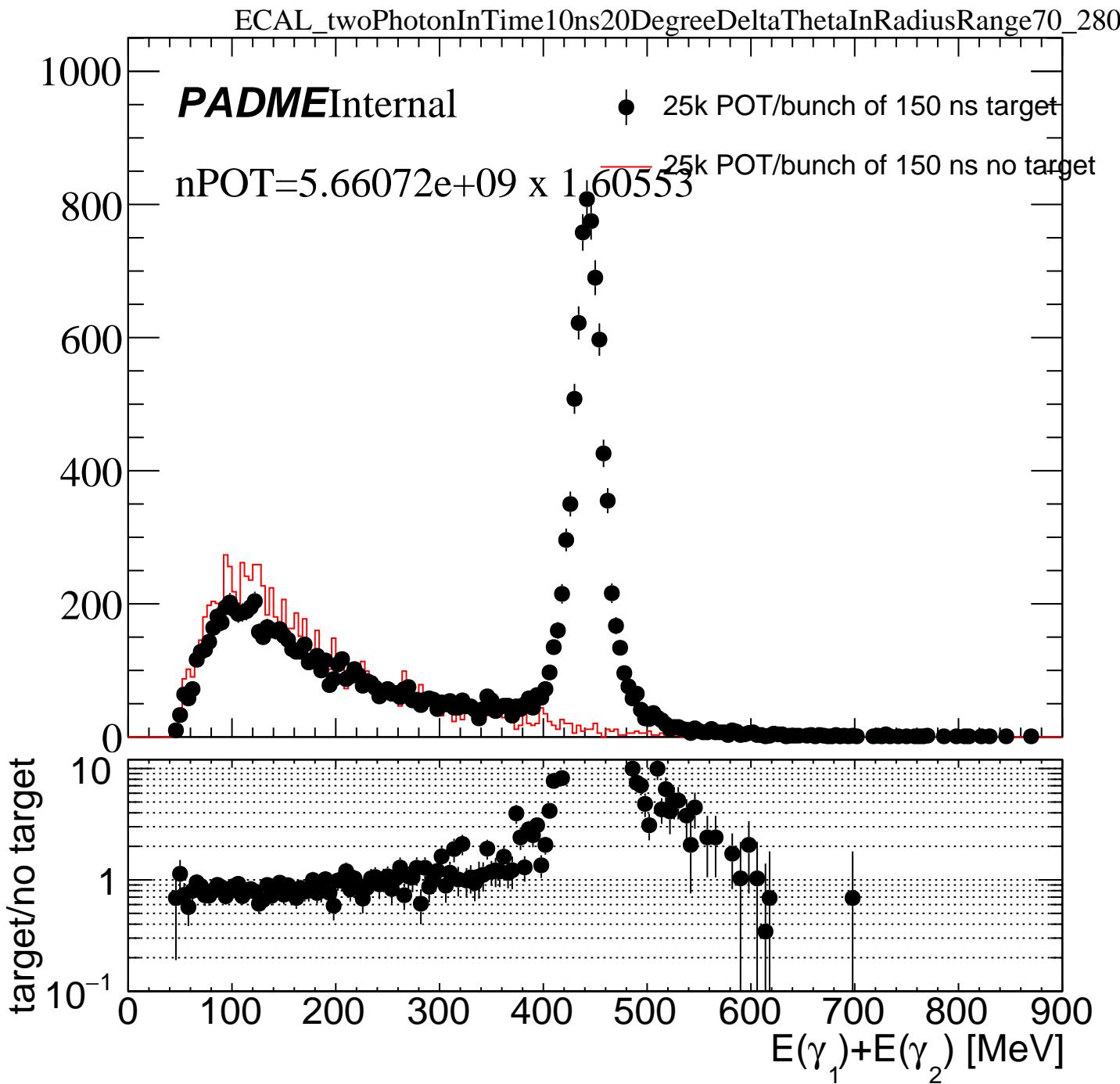


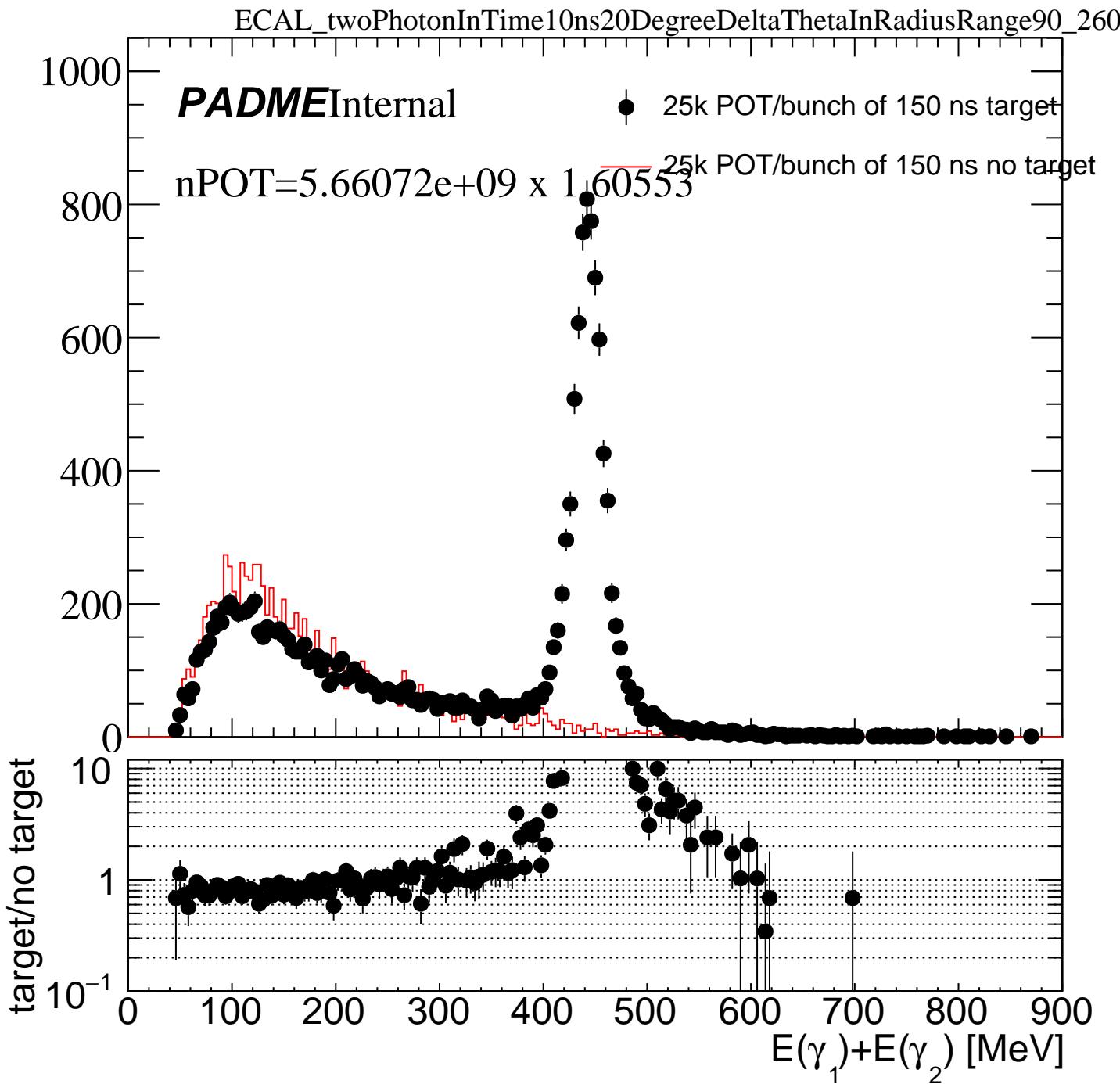
ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90_FRY

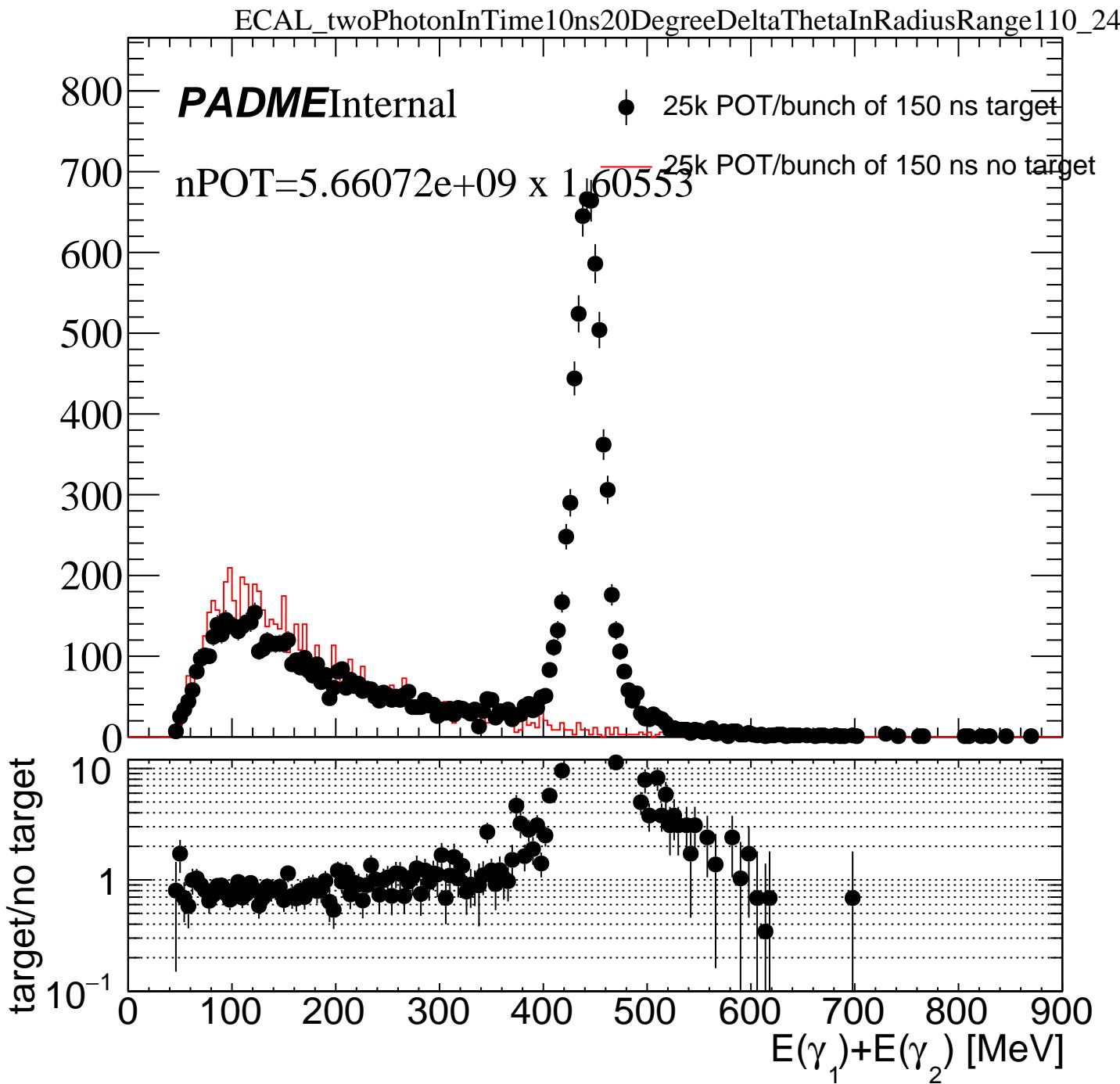


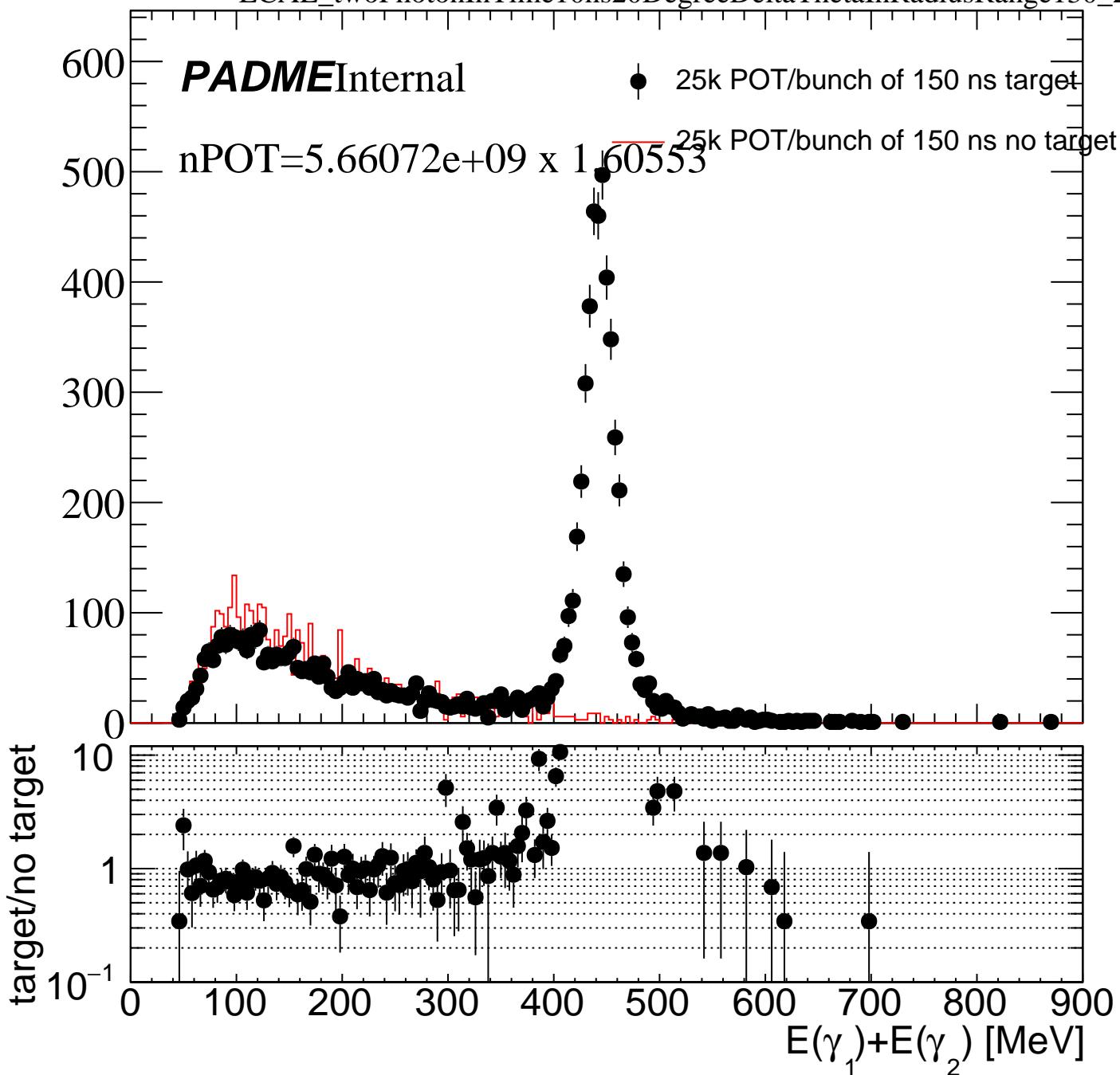
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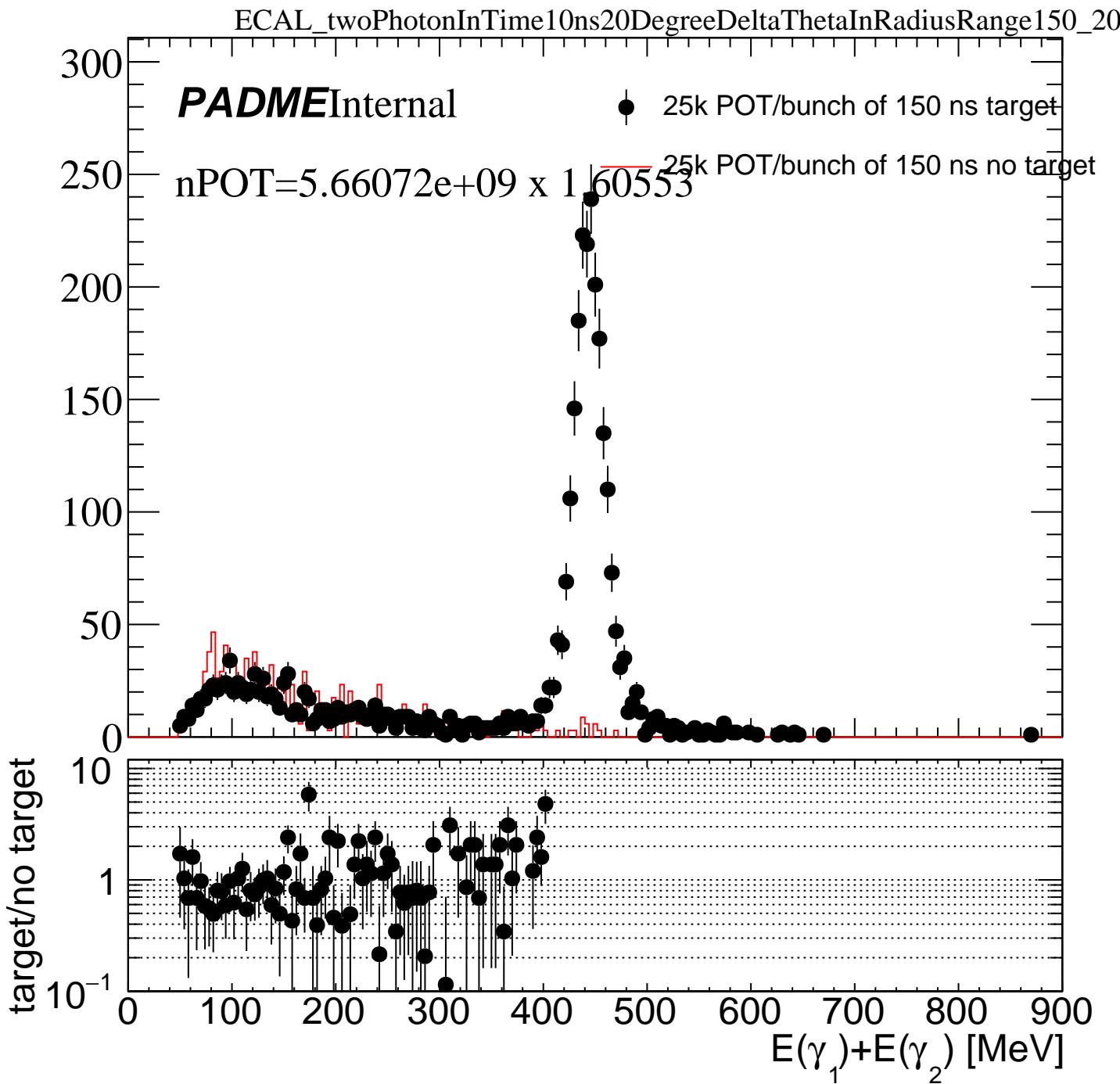


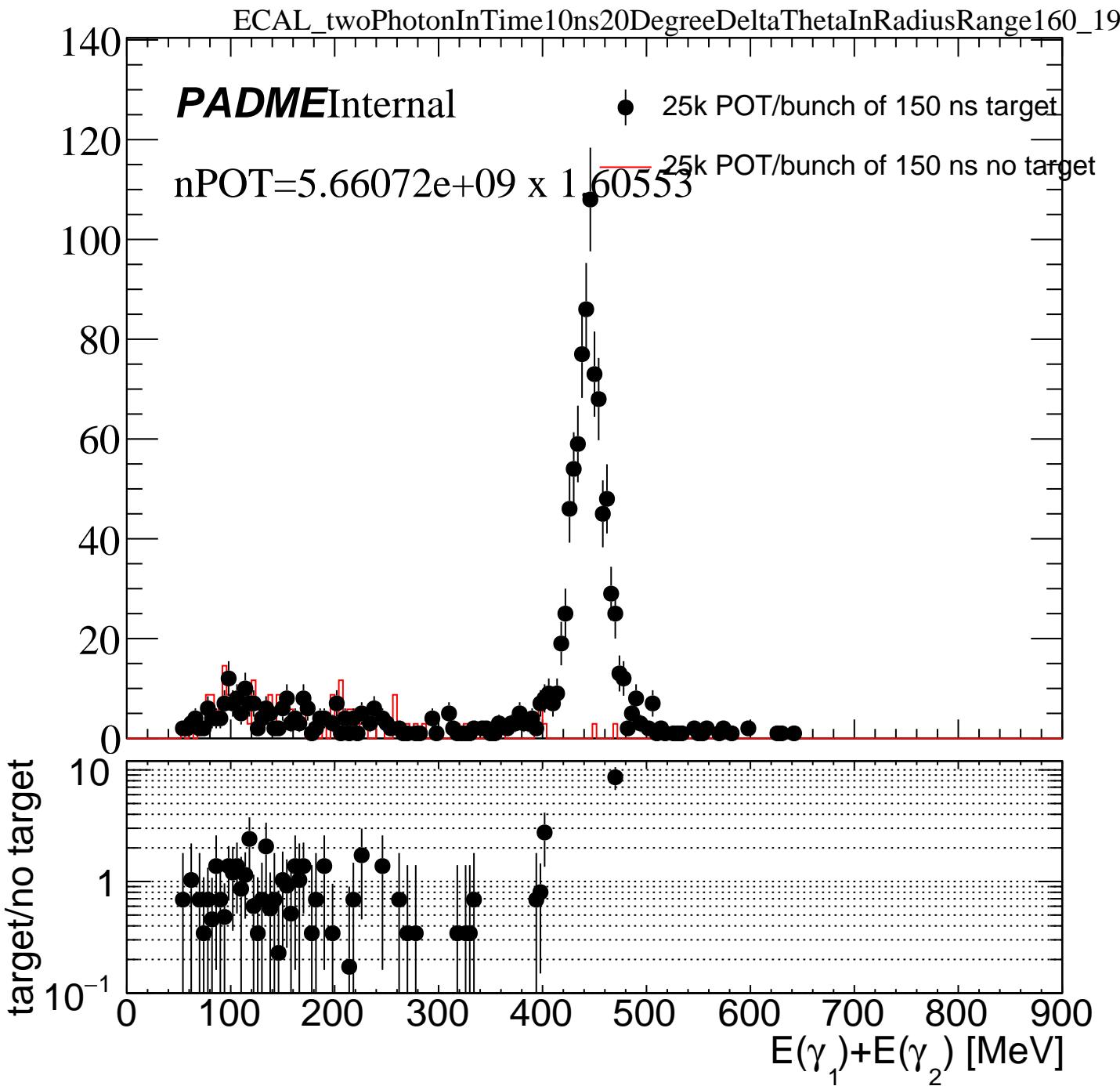


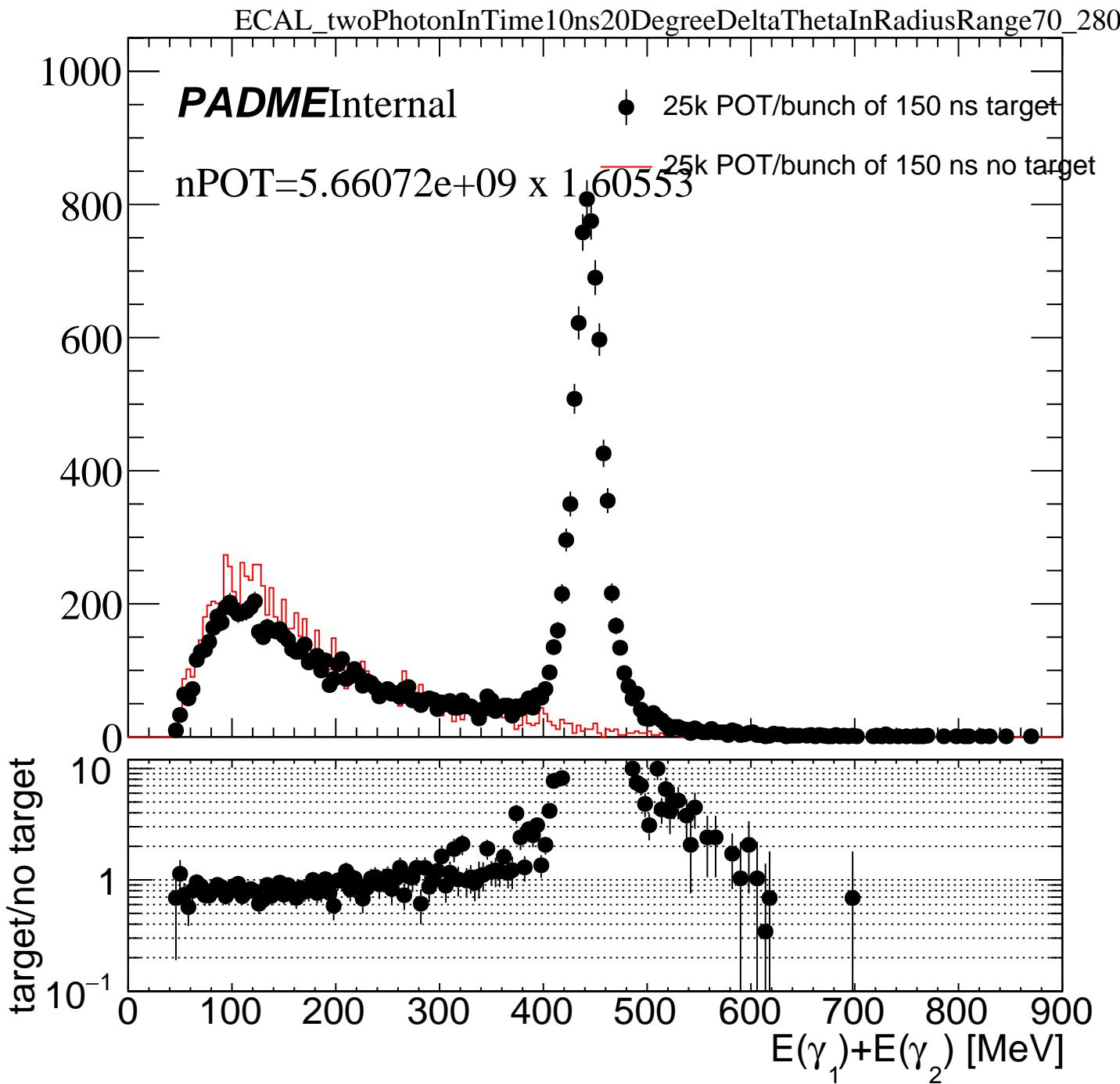


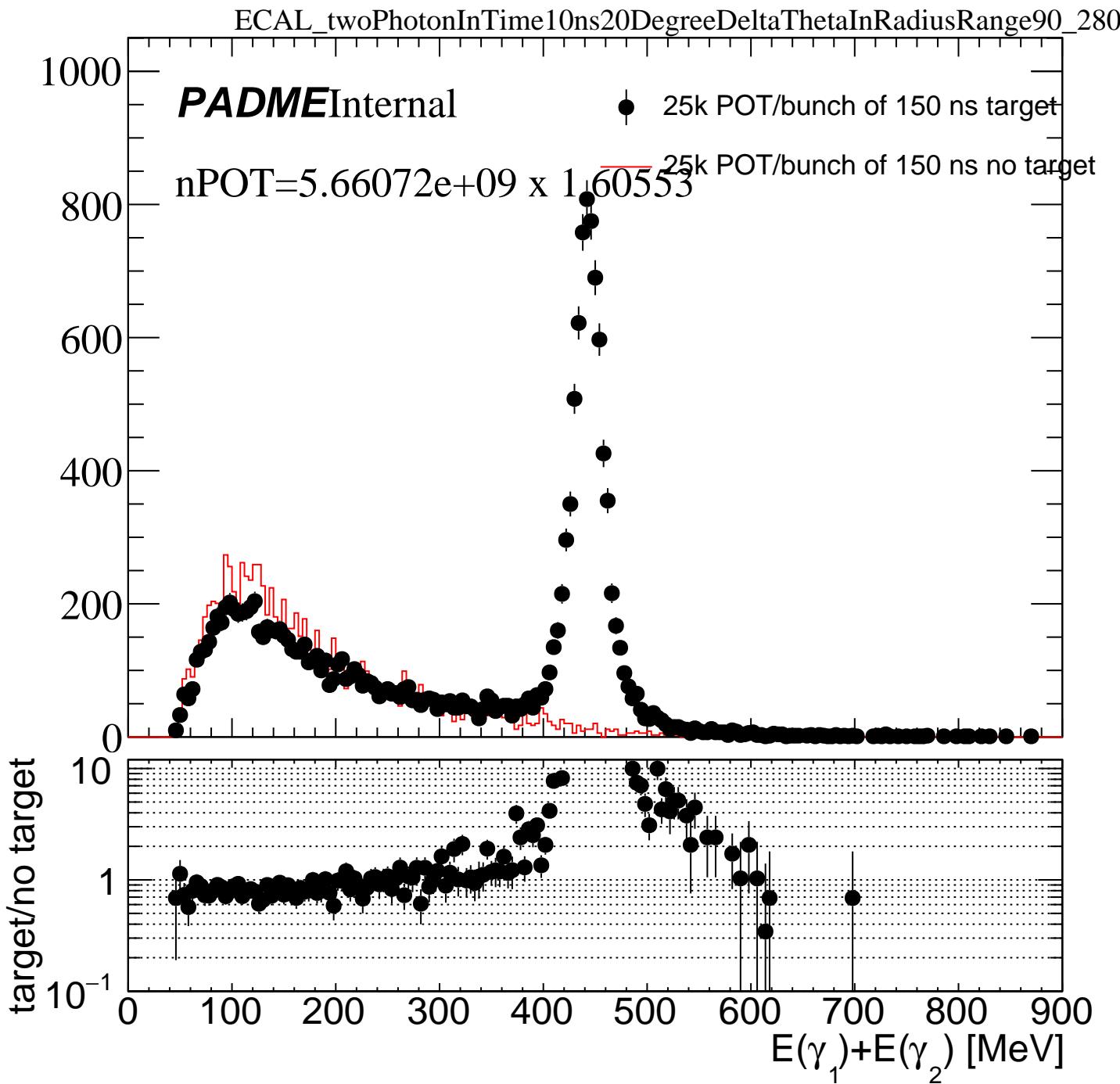




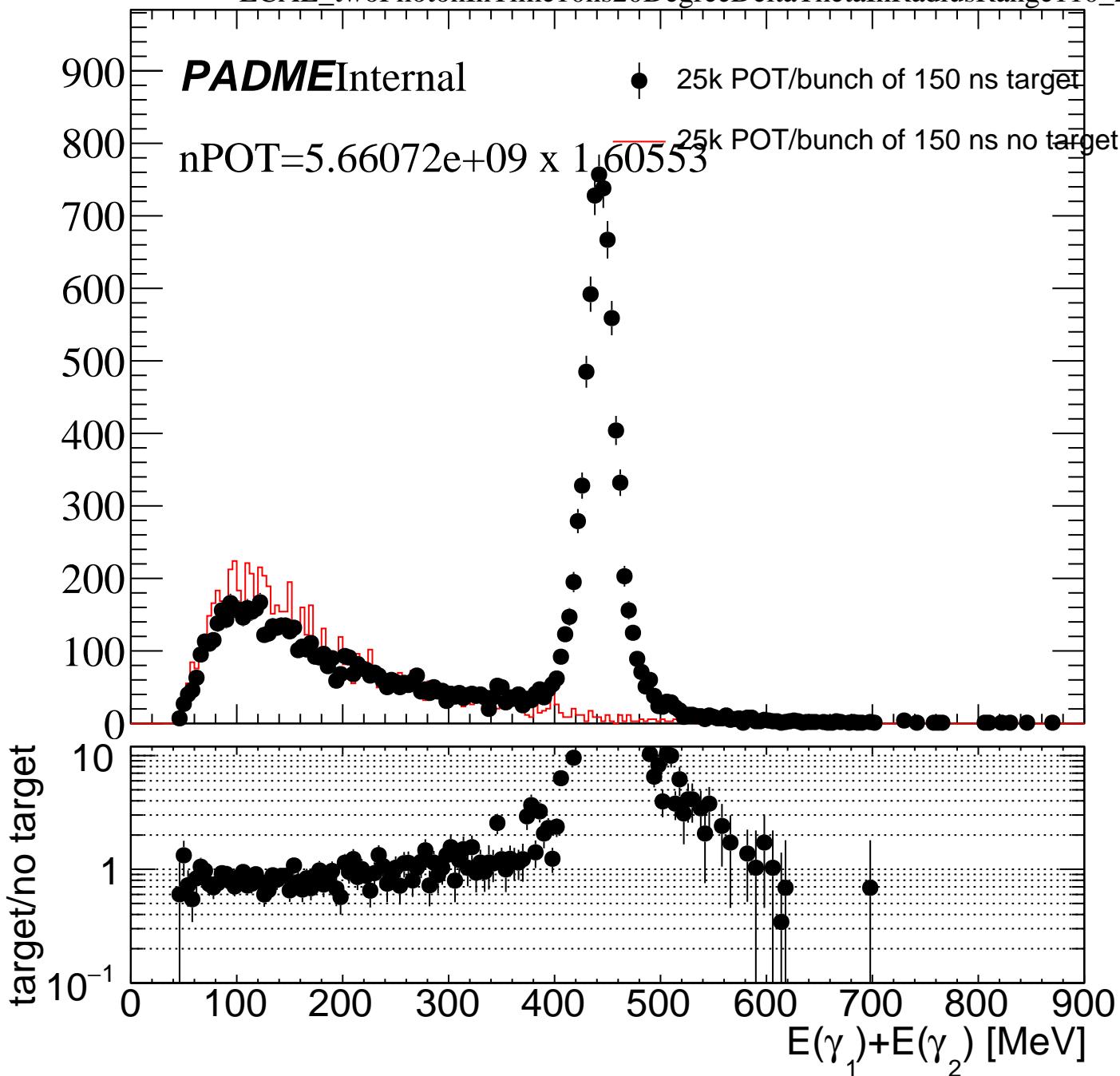


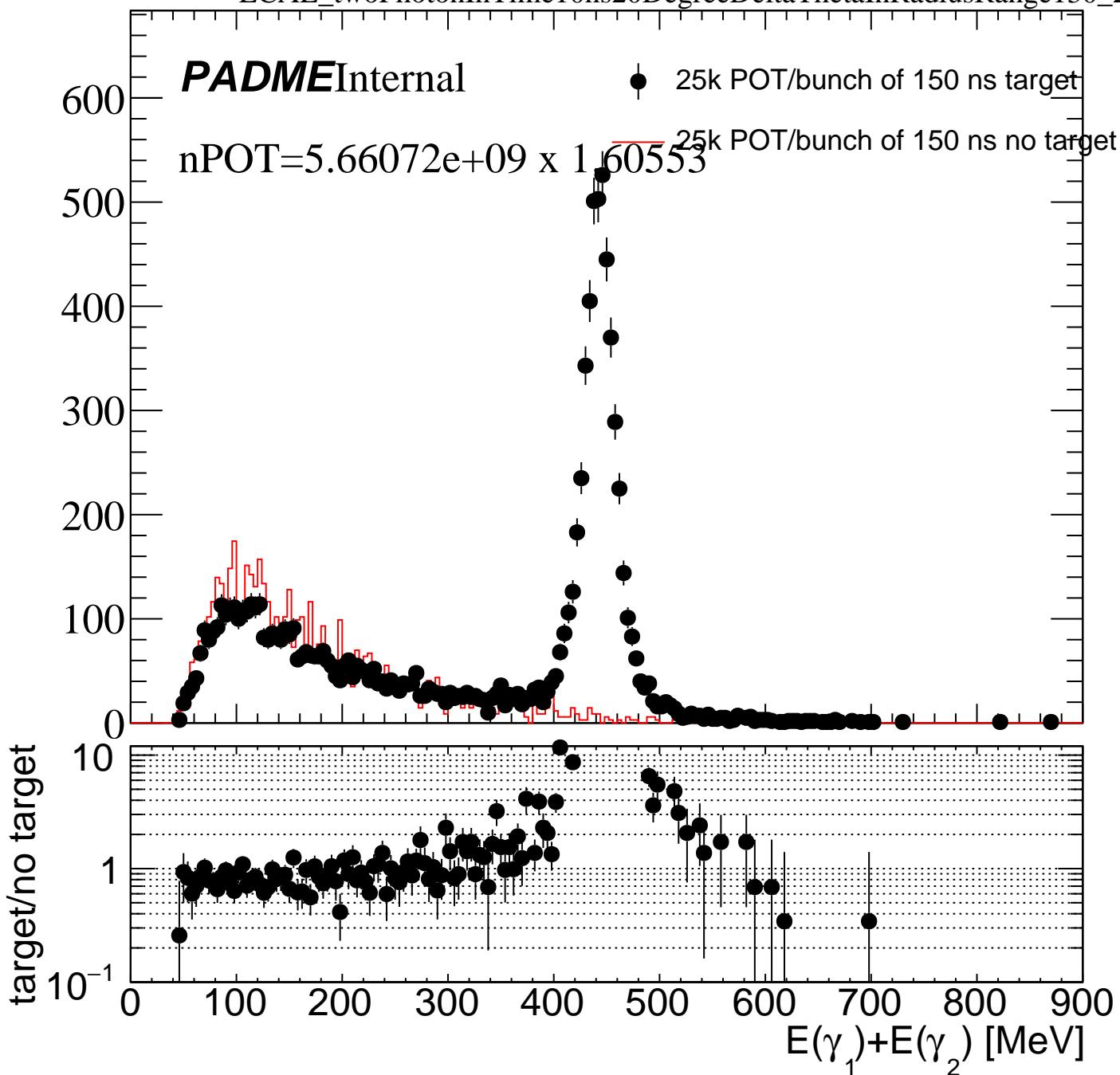


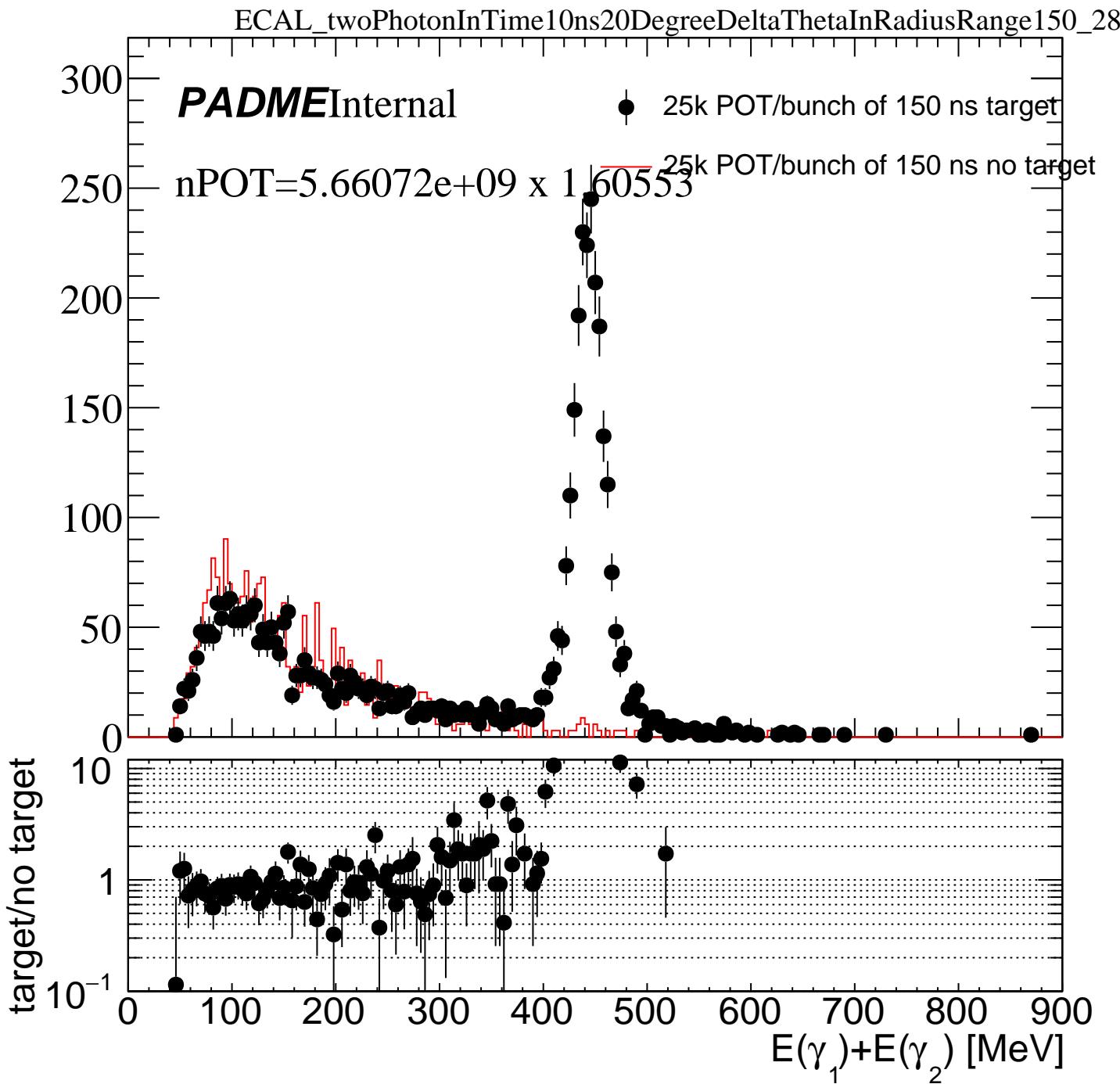




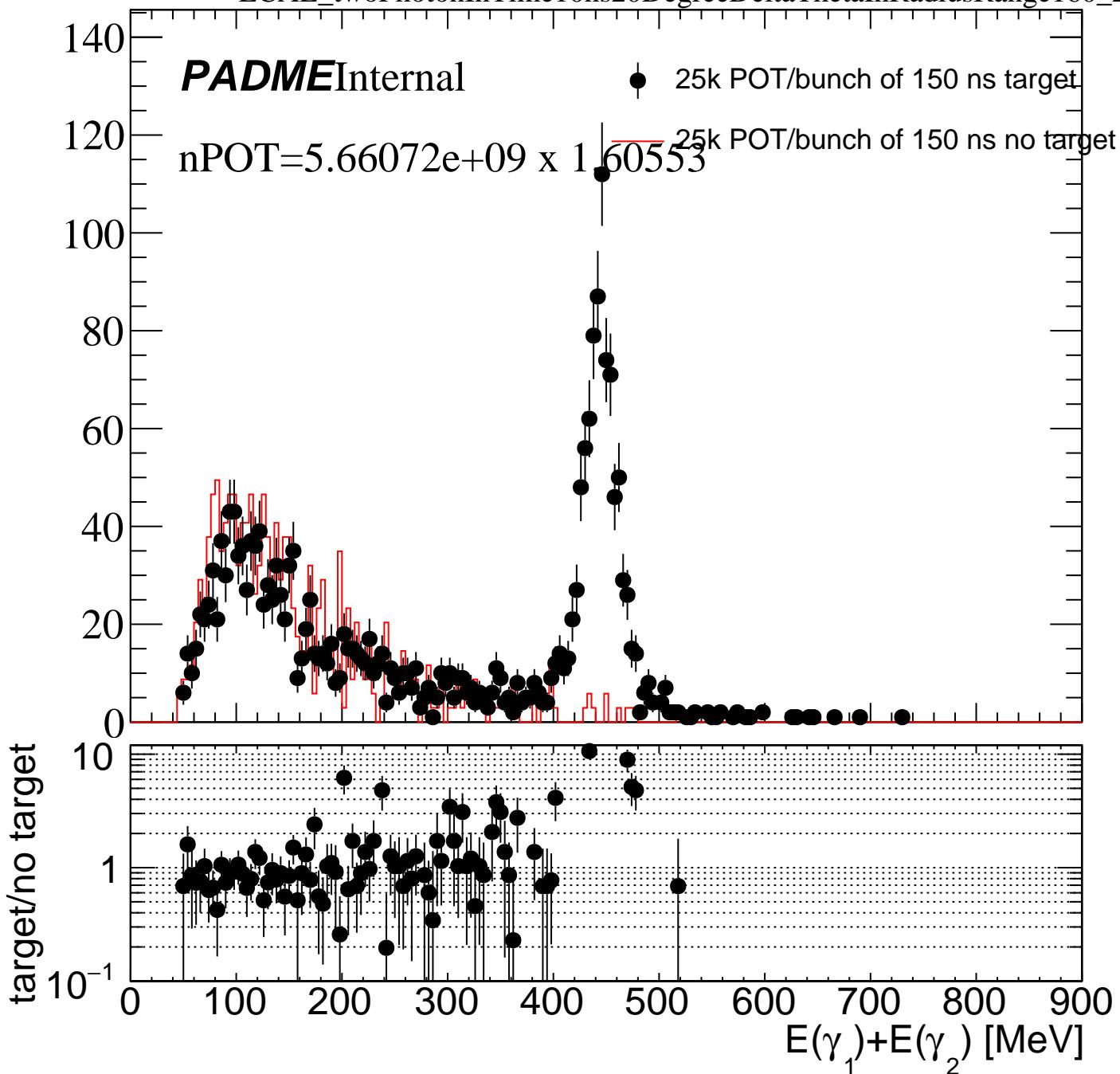
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28

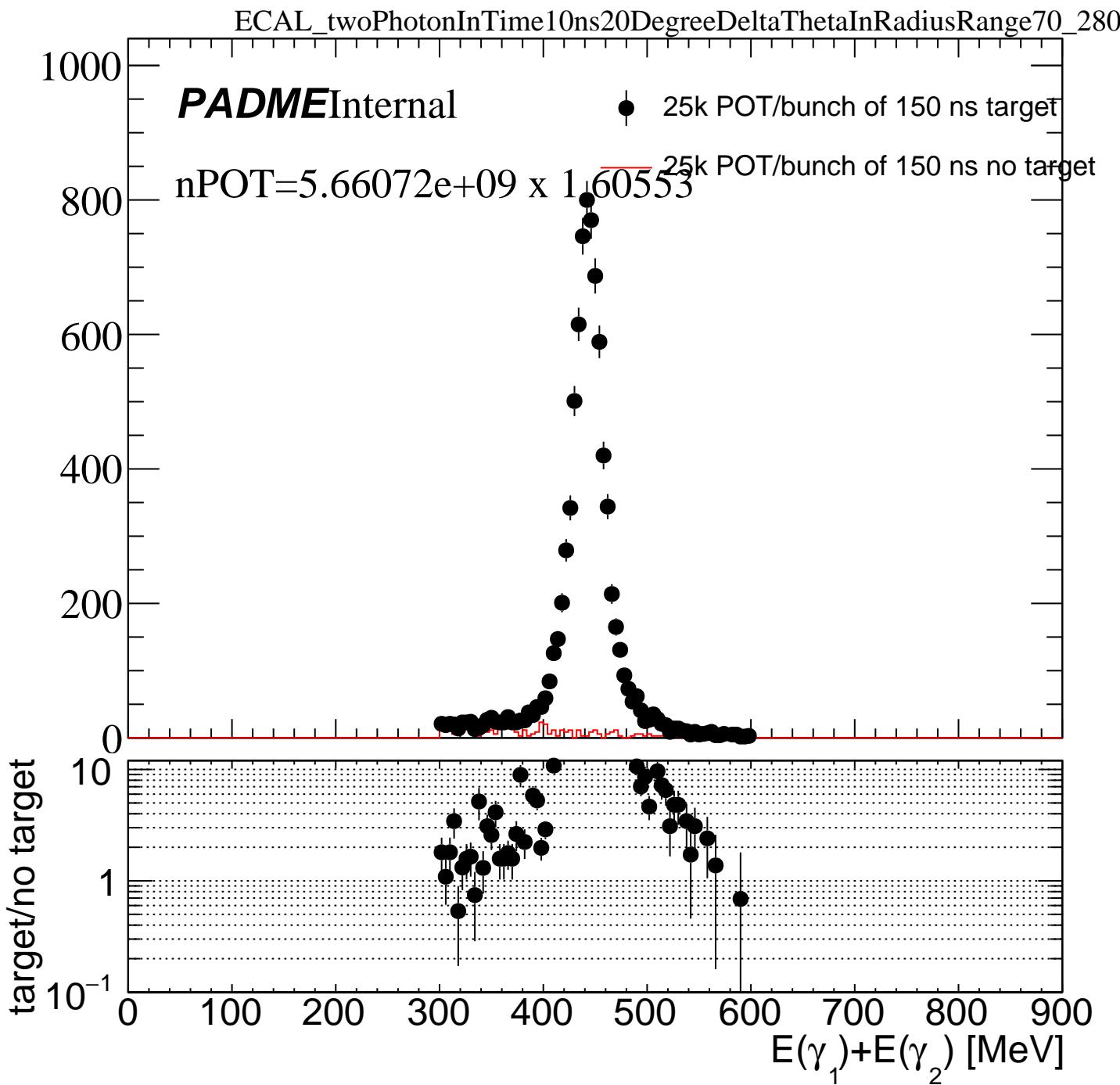


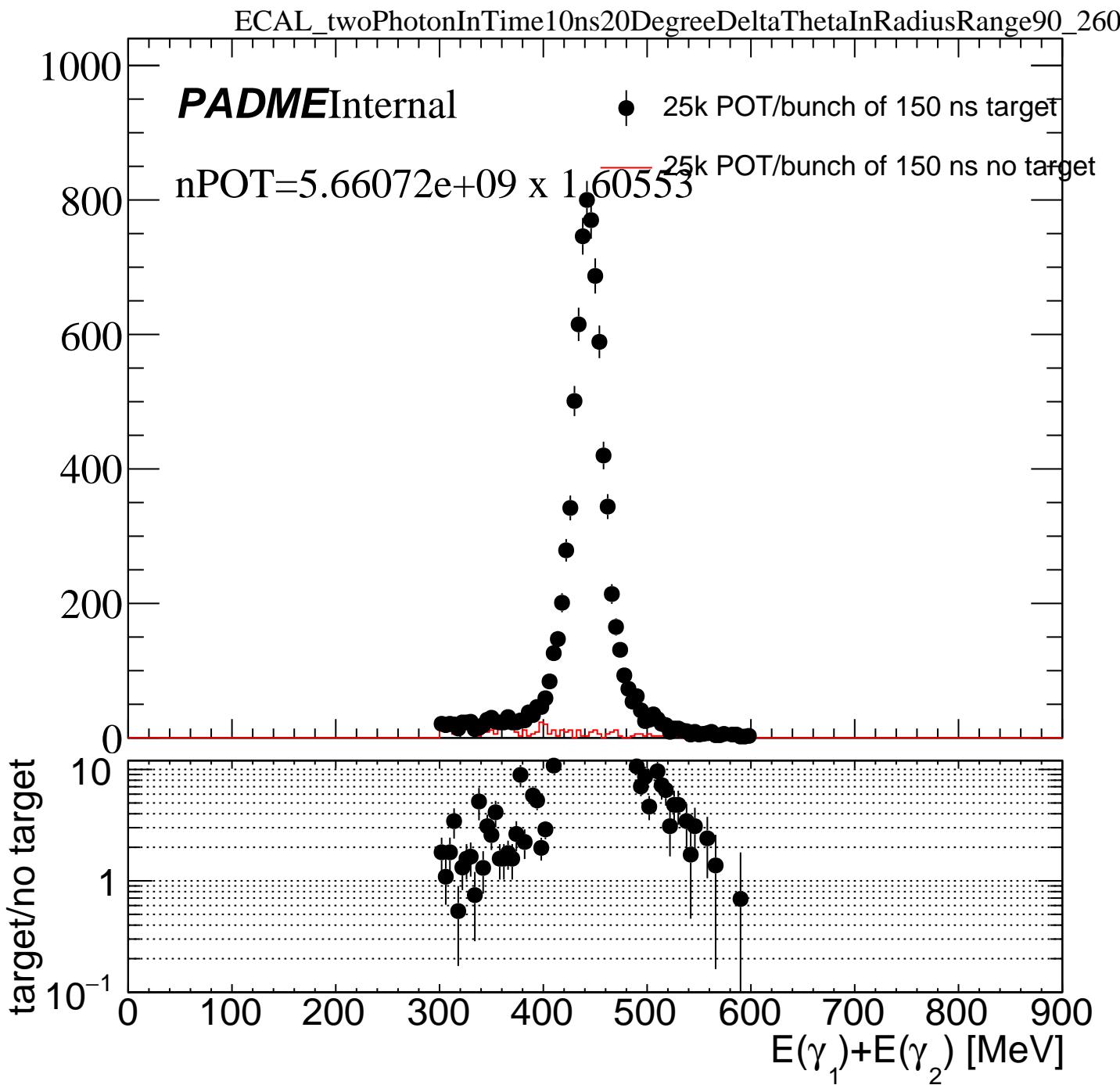


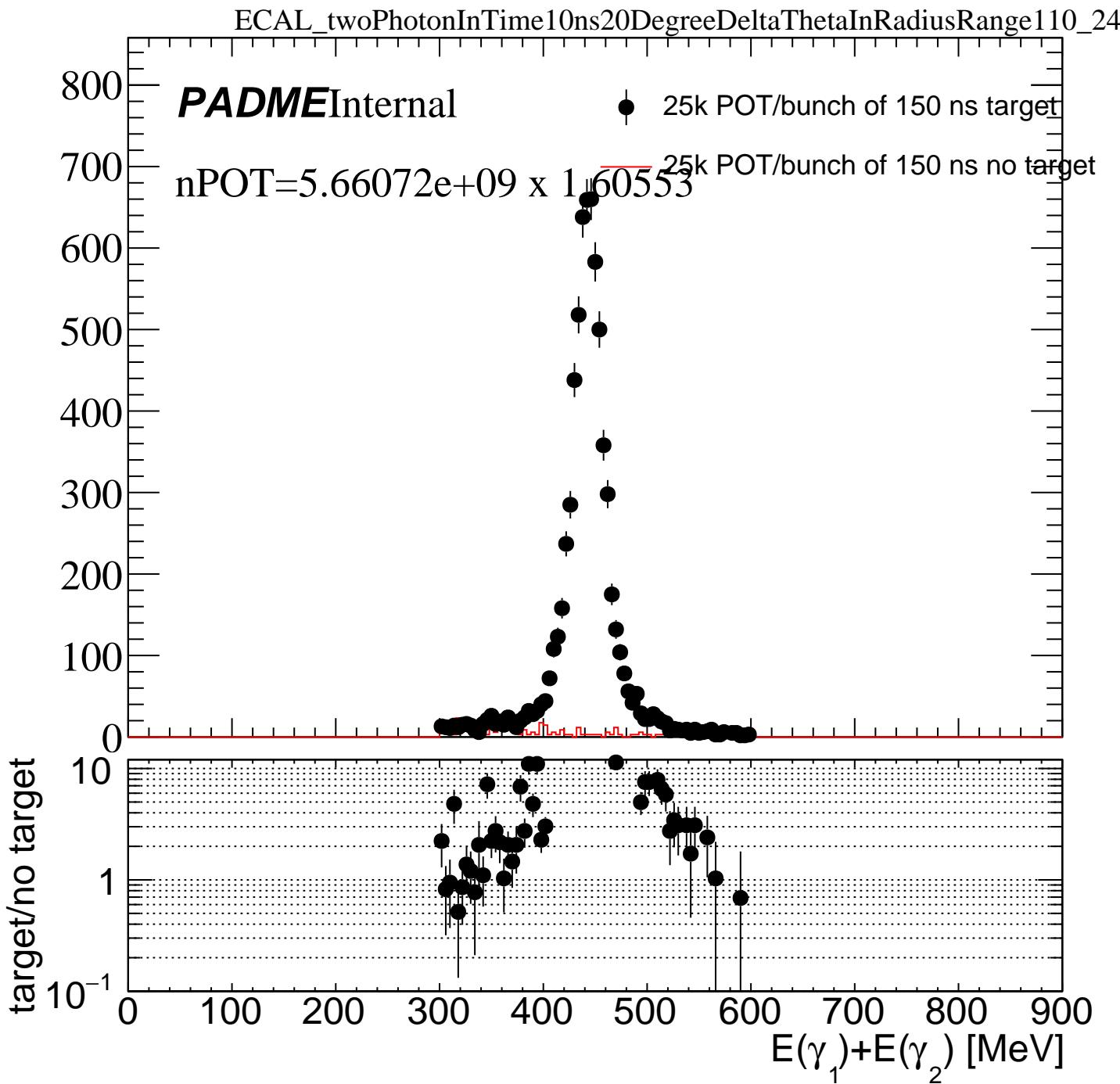


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_28

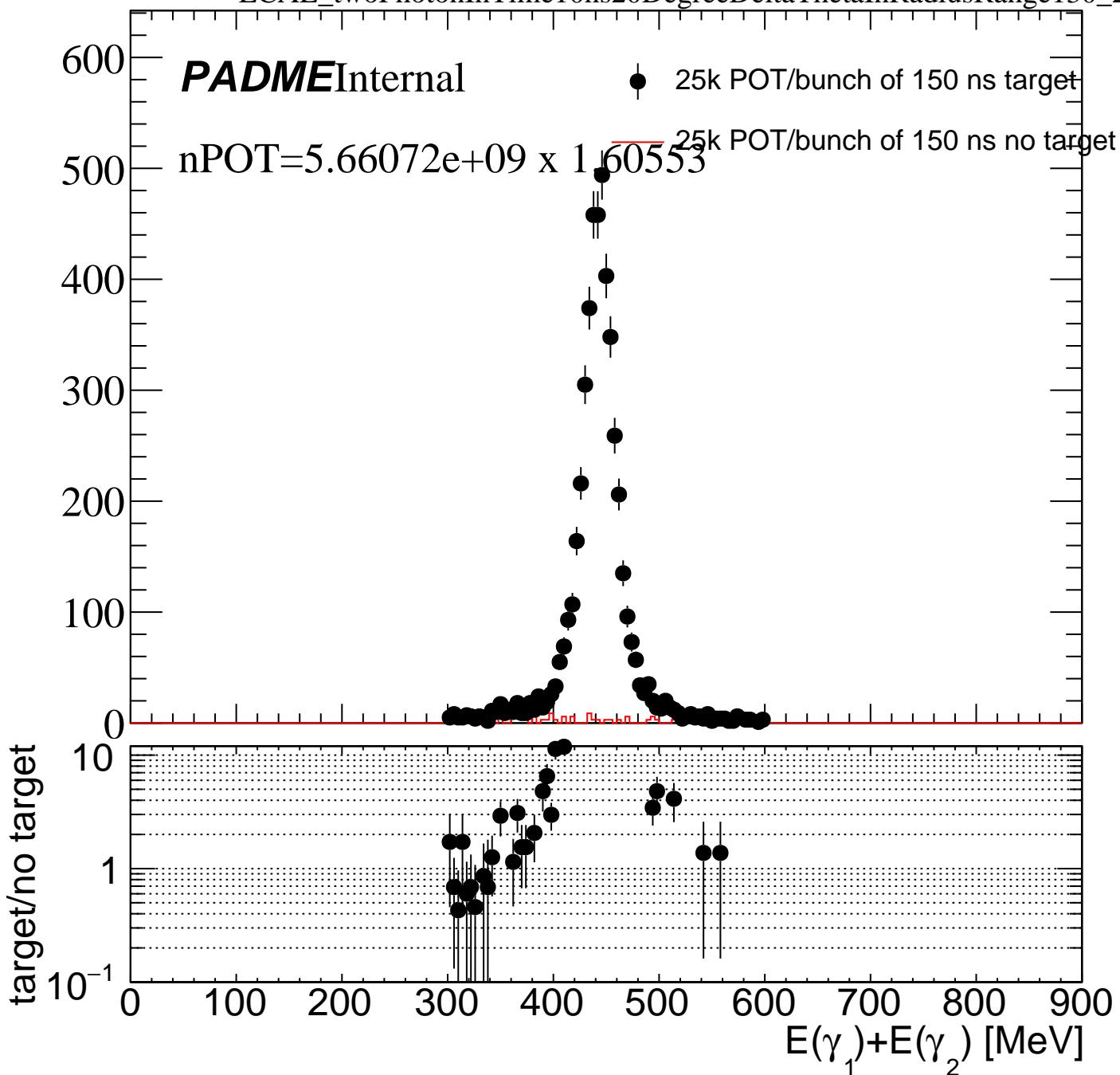


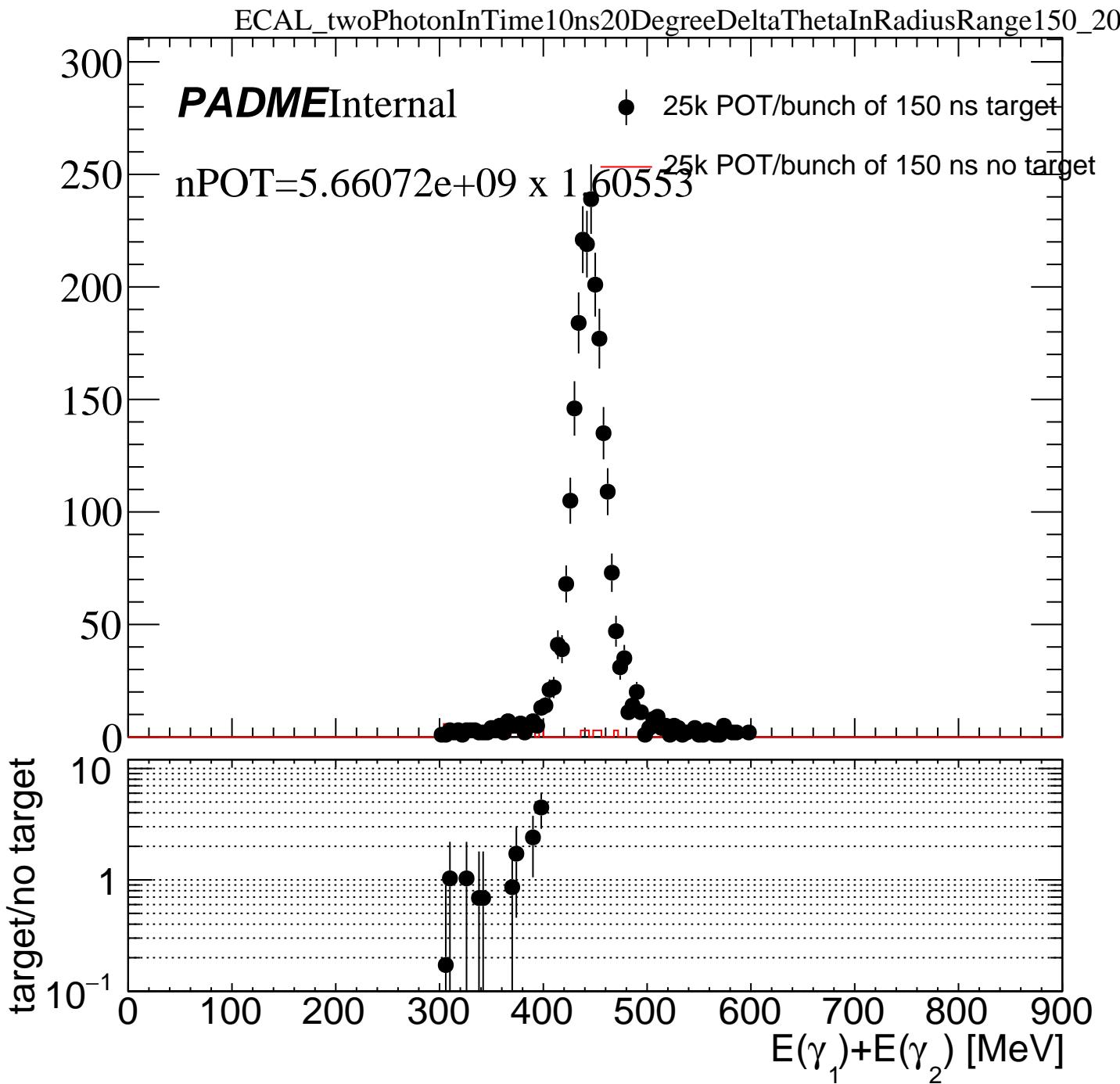


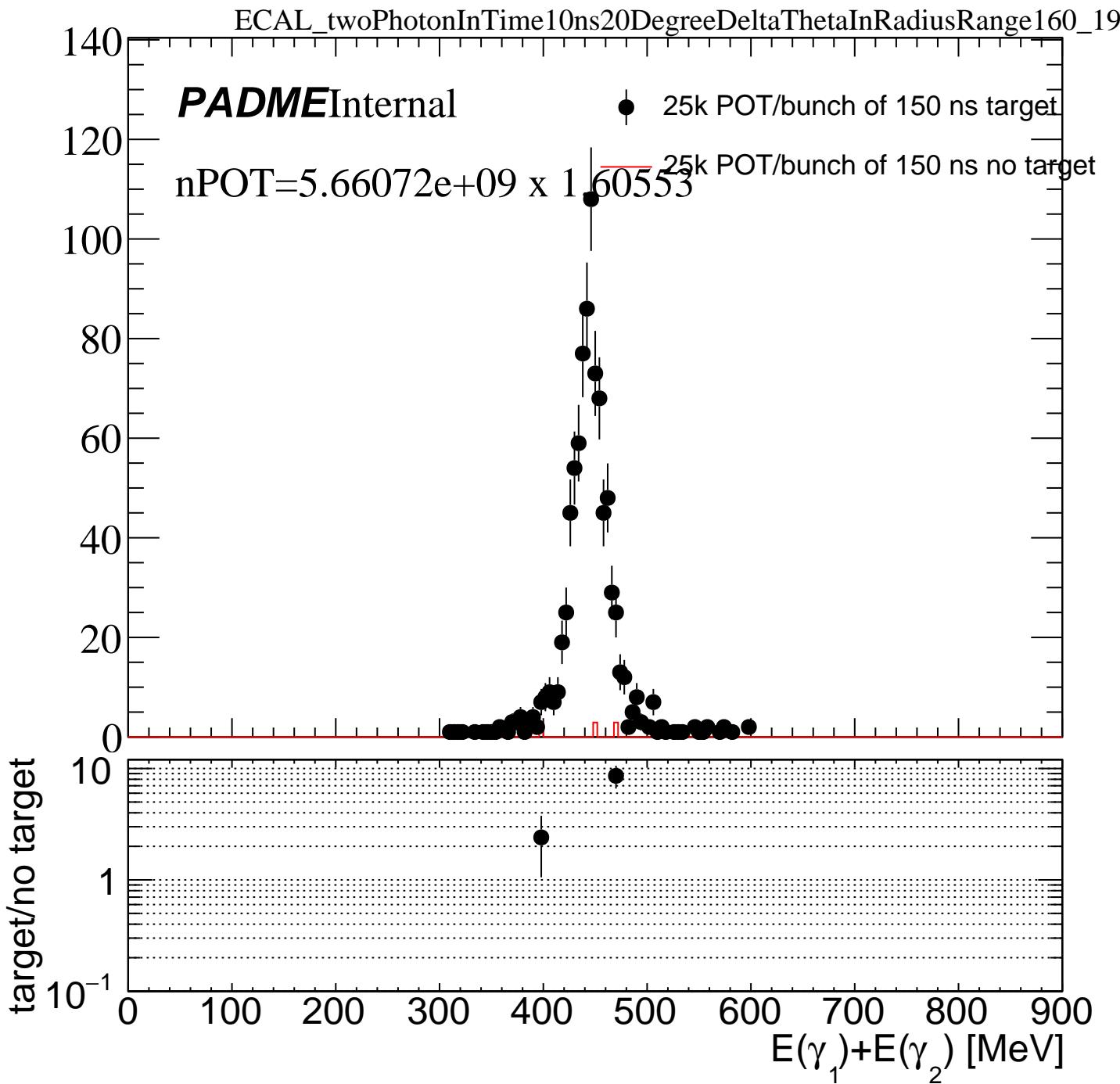


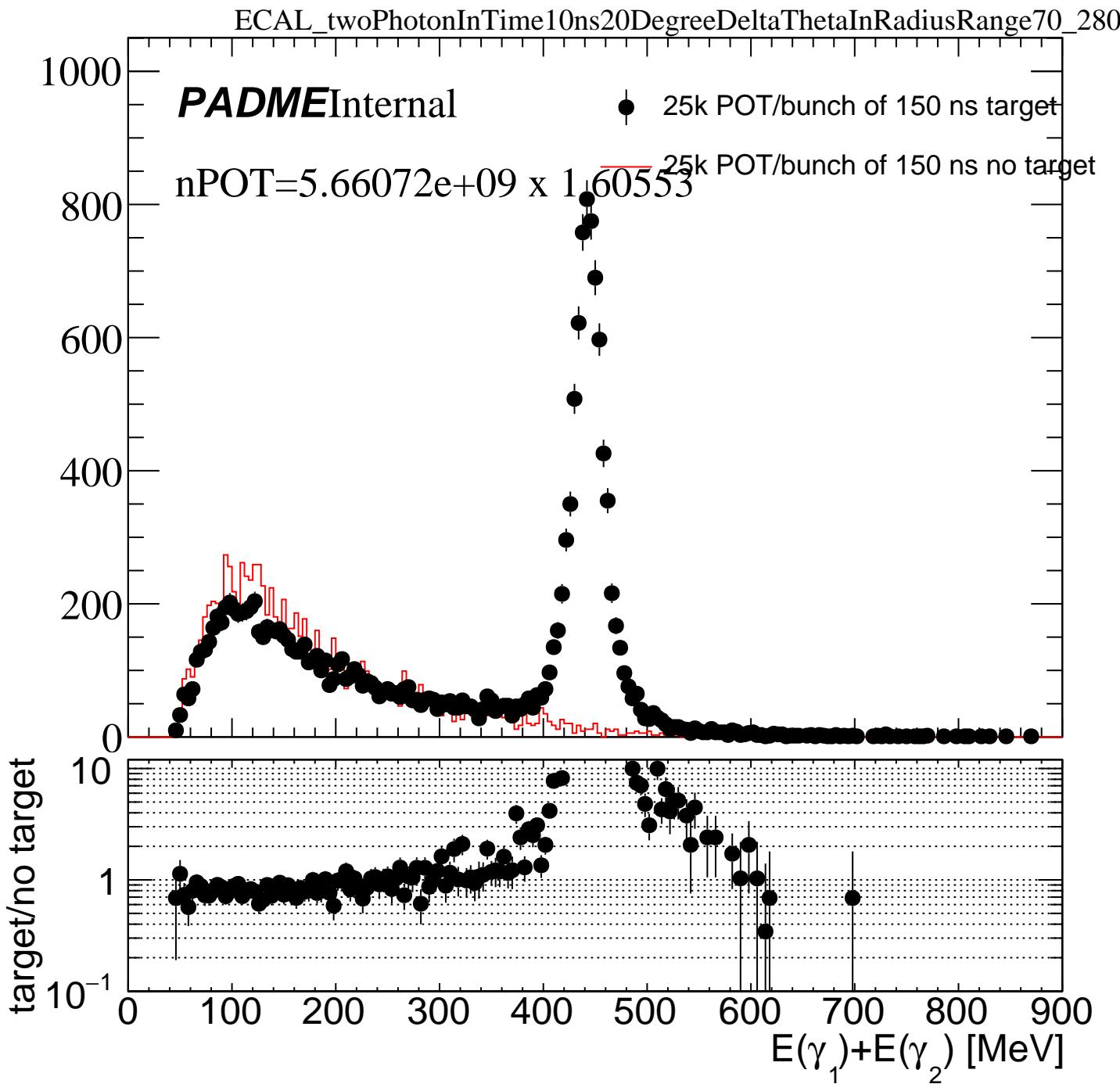


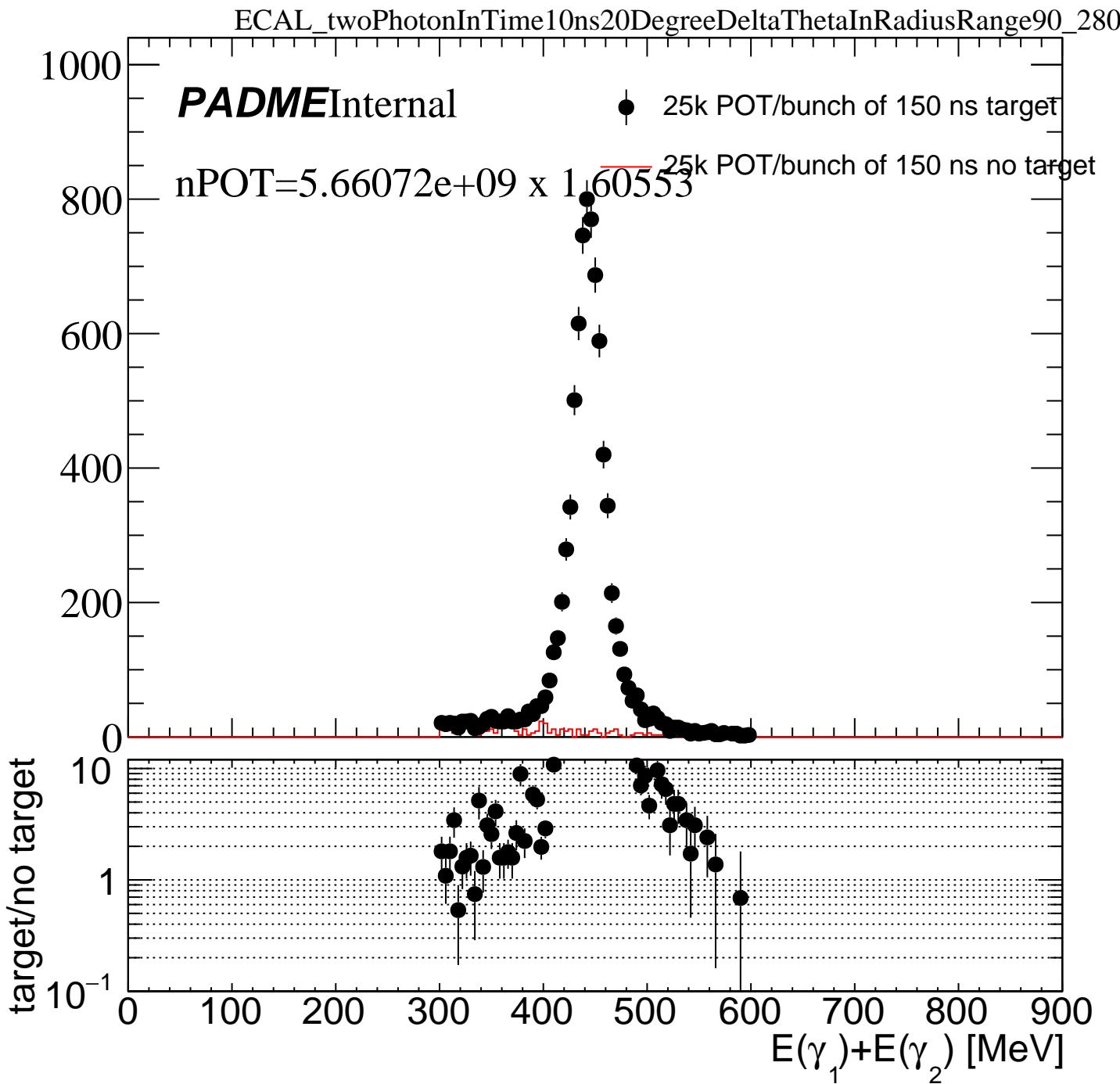
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22



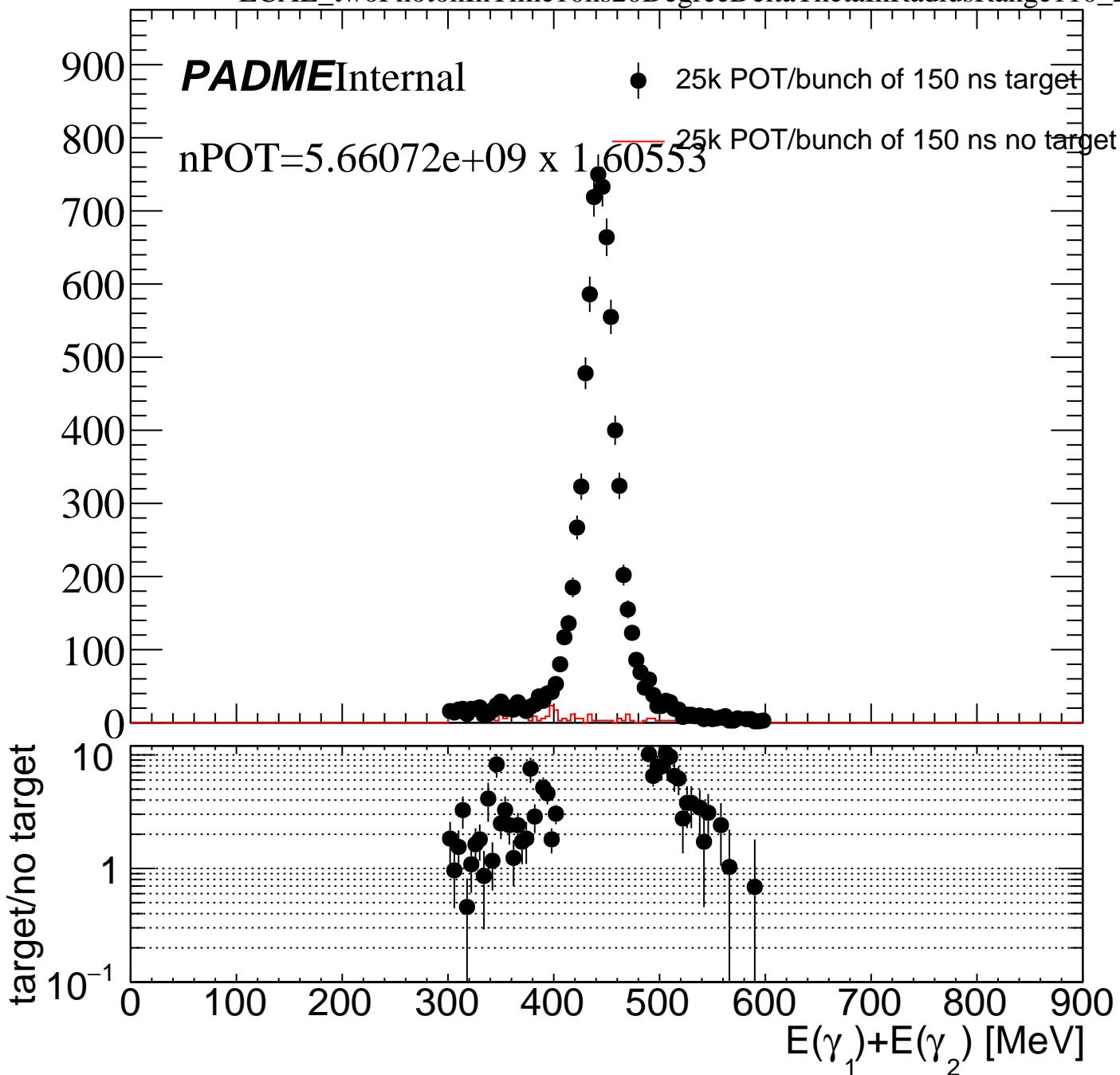




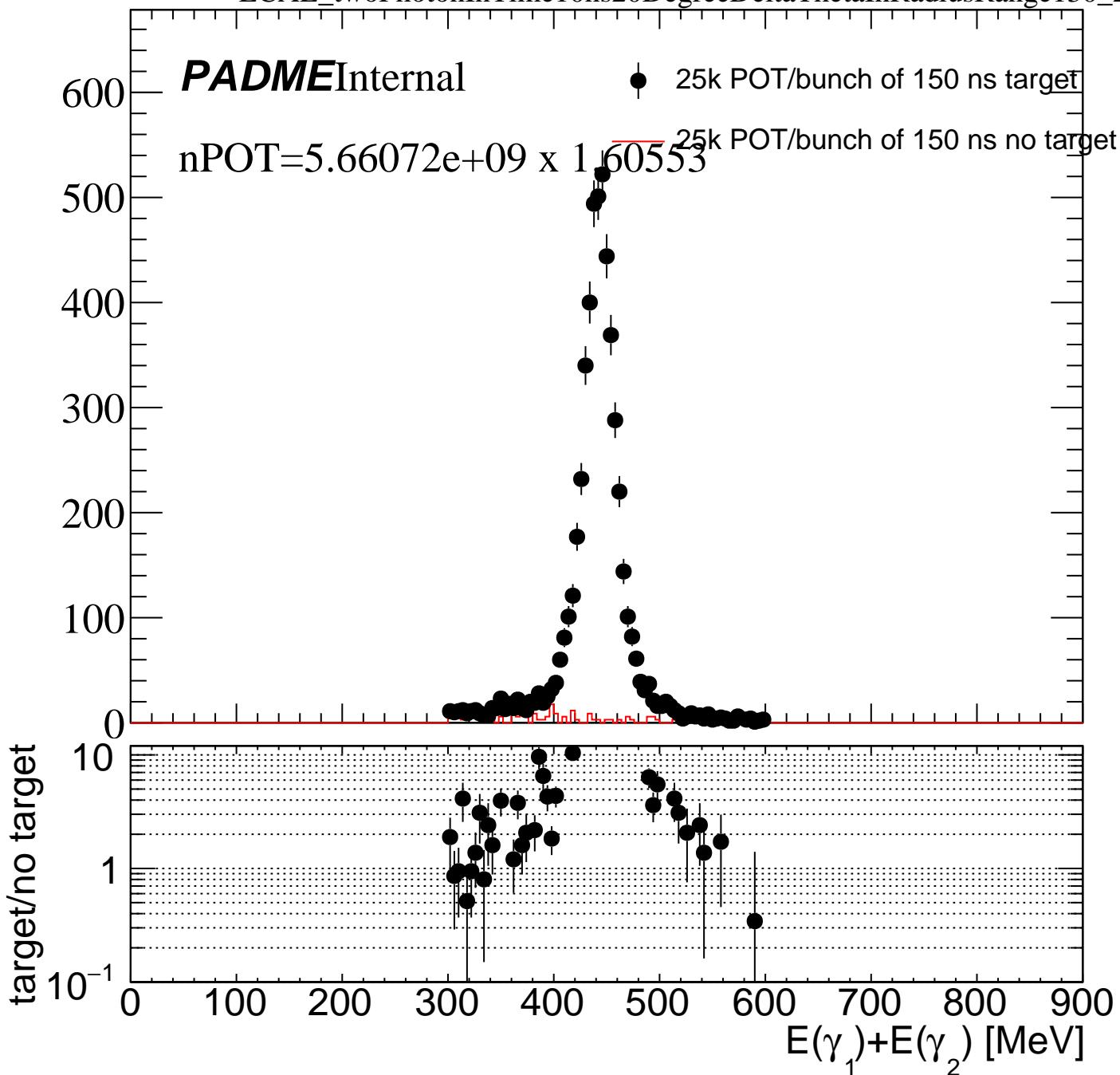




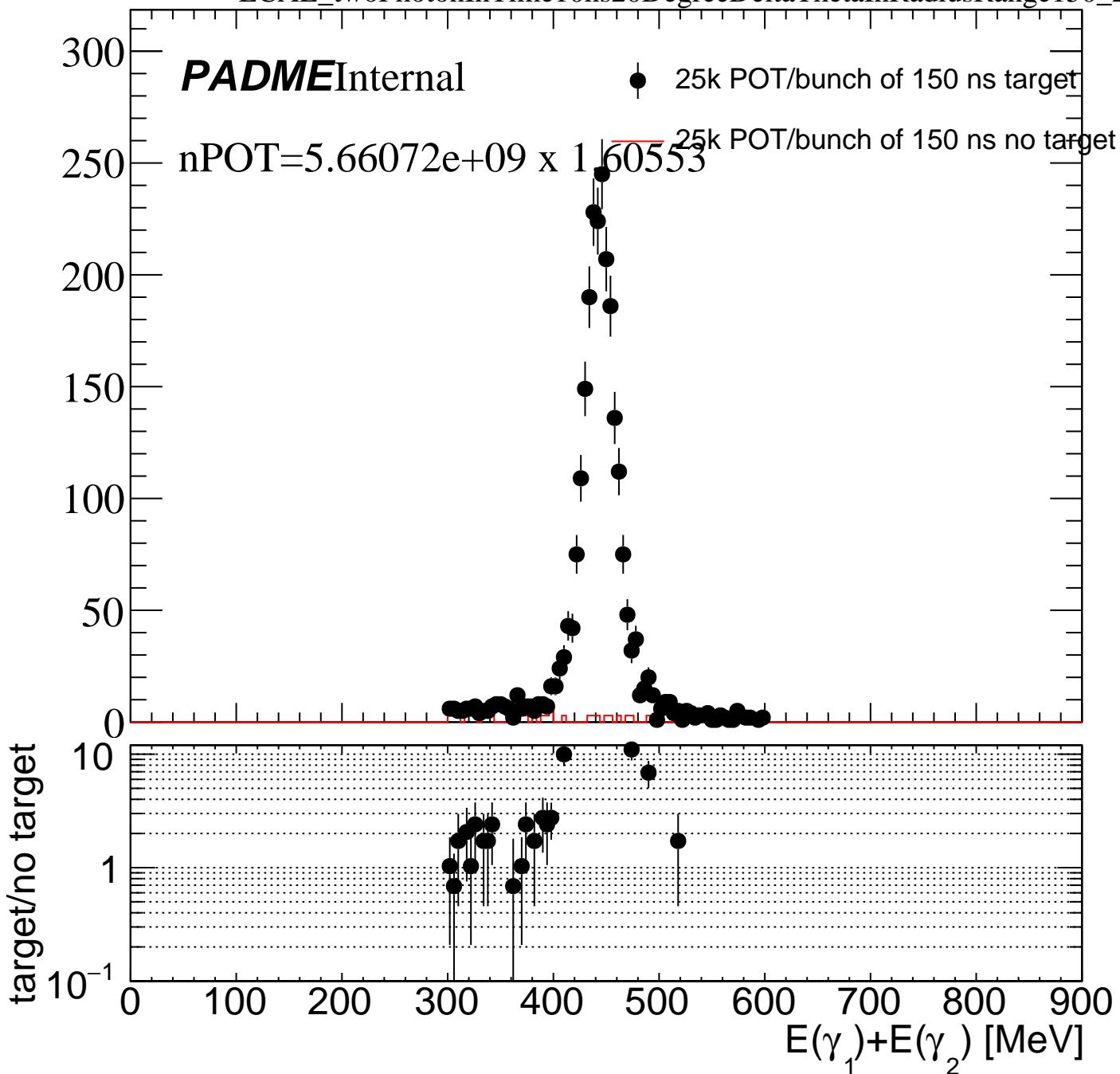
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28



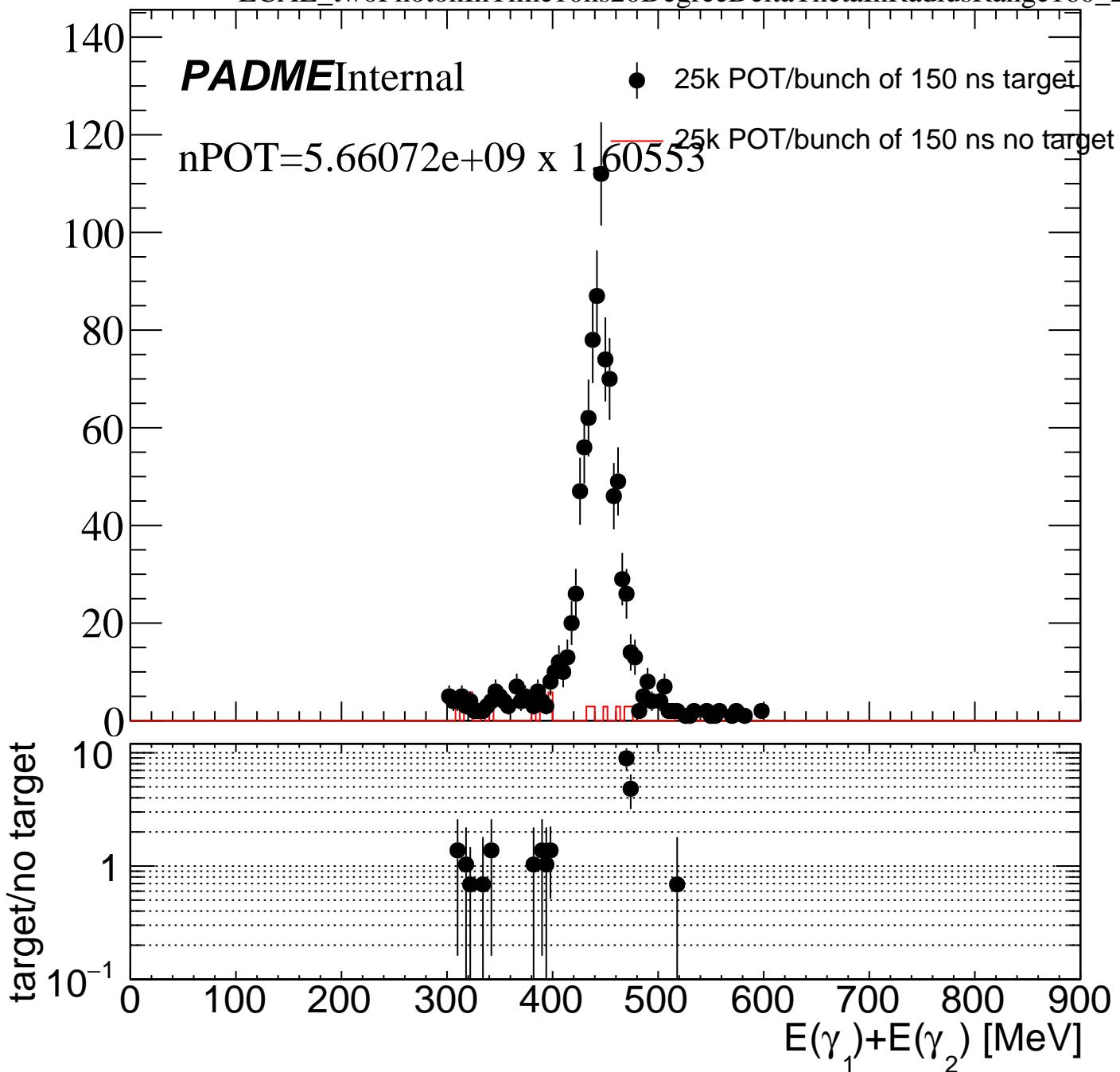
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28



ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28



ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_28

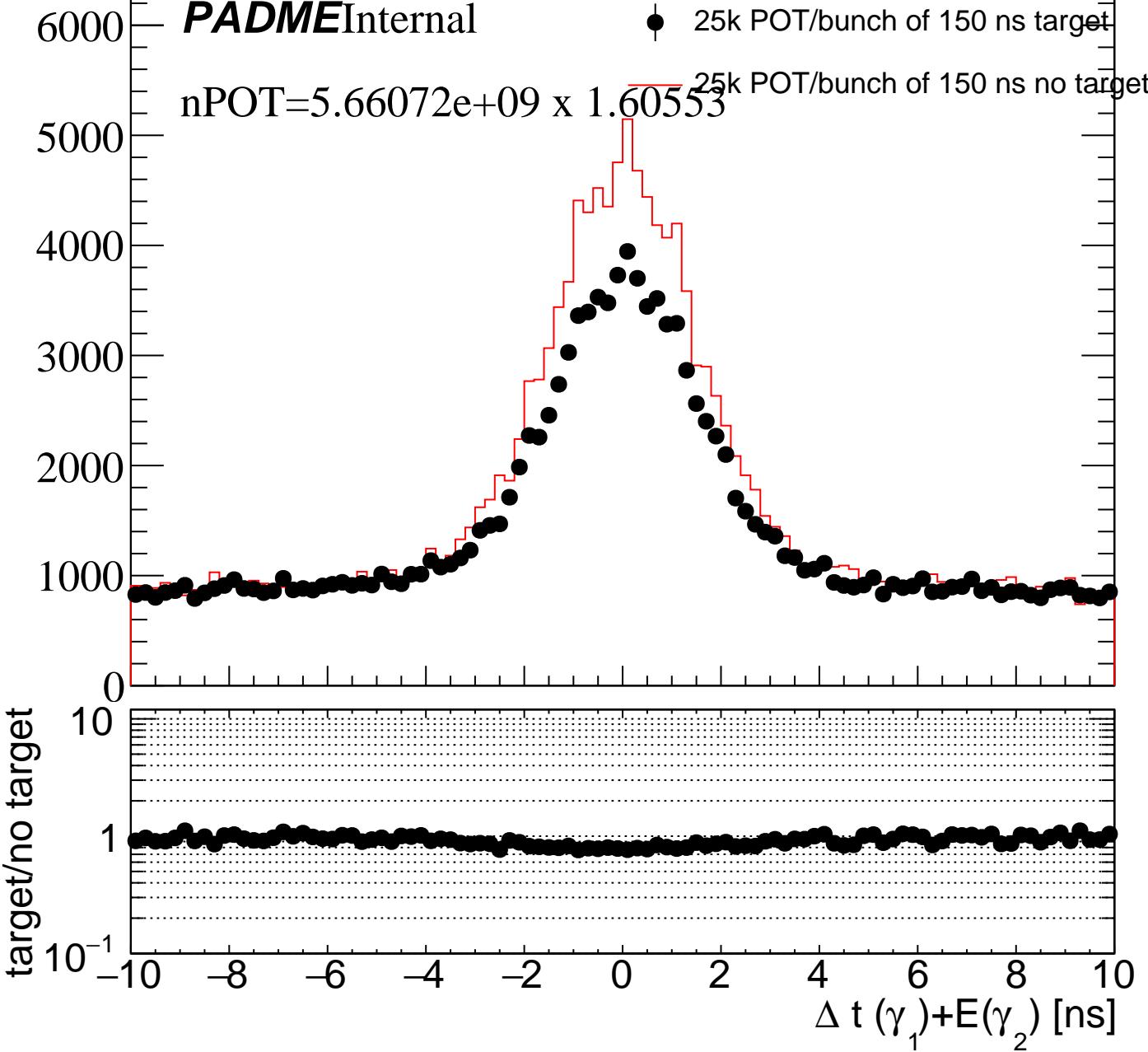


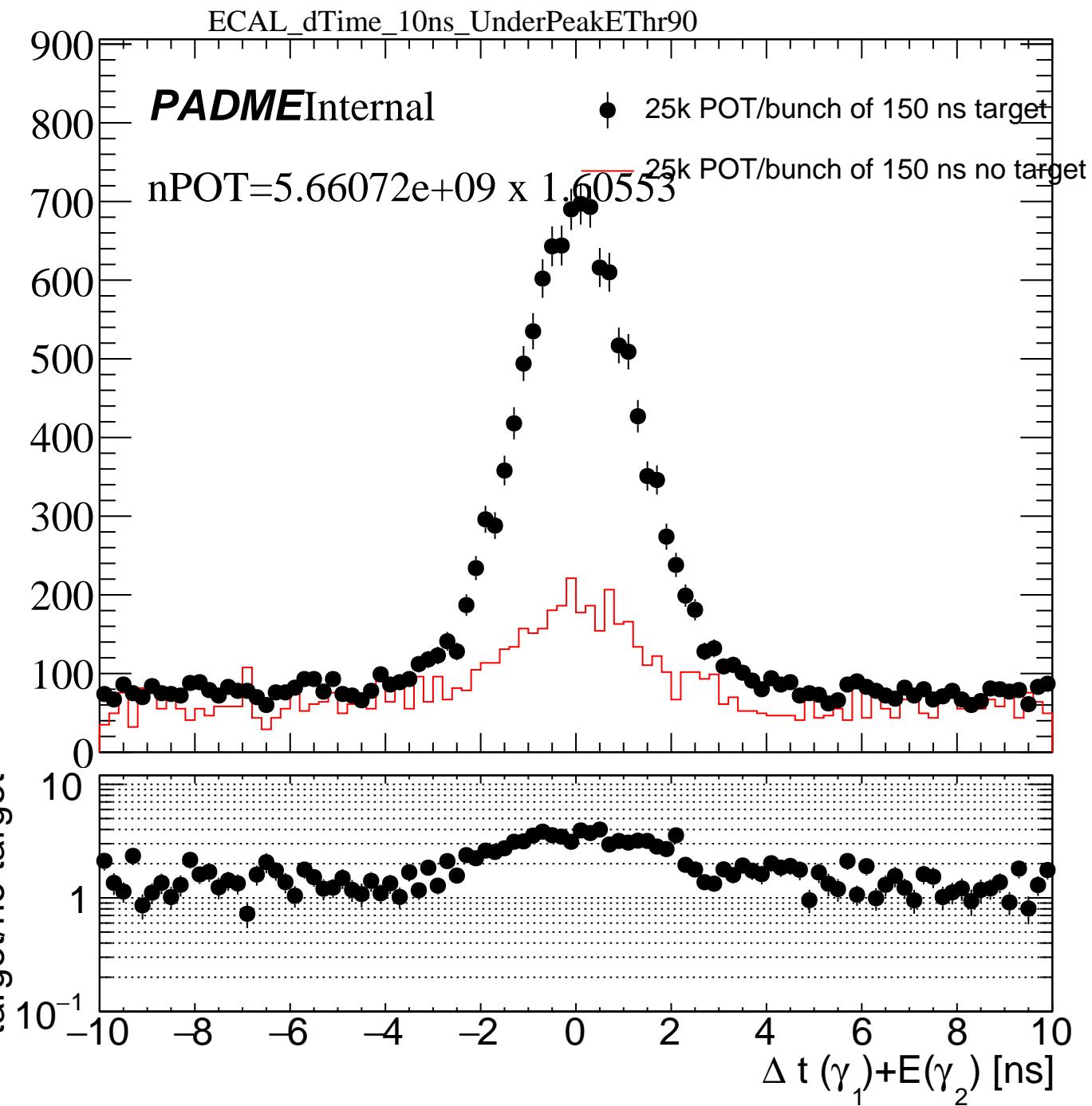
ECAL_dTime_10ns

PADME Internal

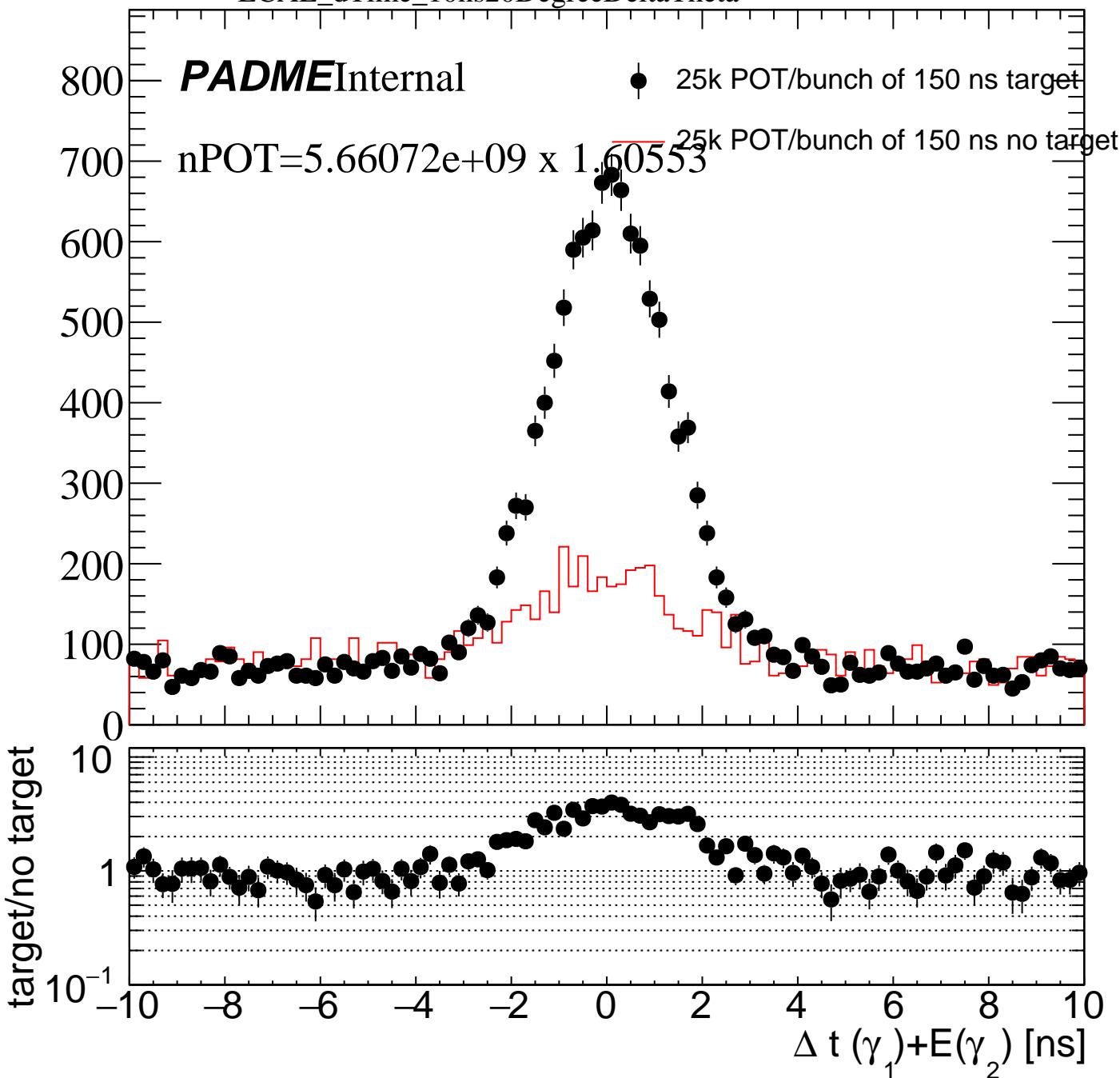
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553 25k POT/bunch of 150 ns no target

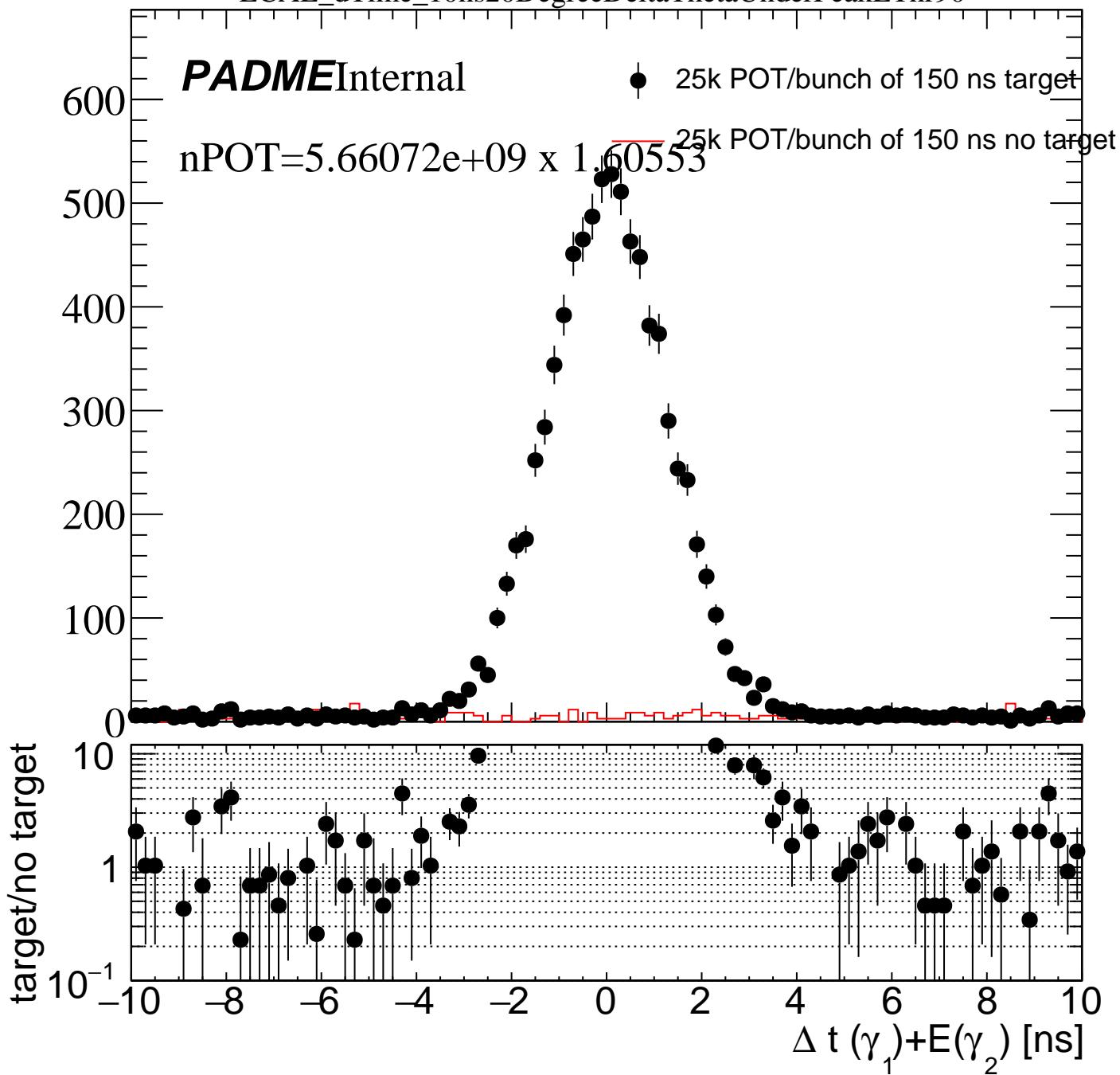


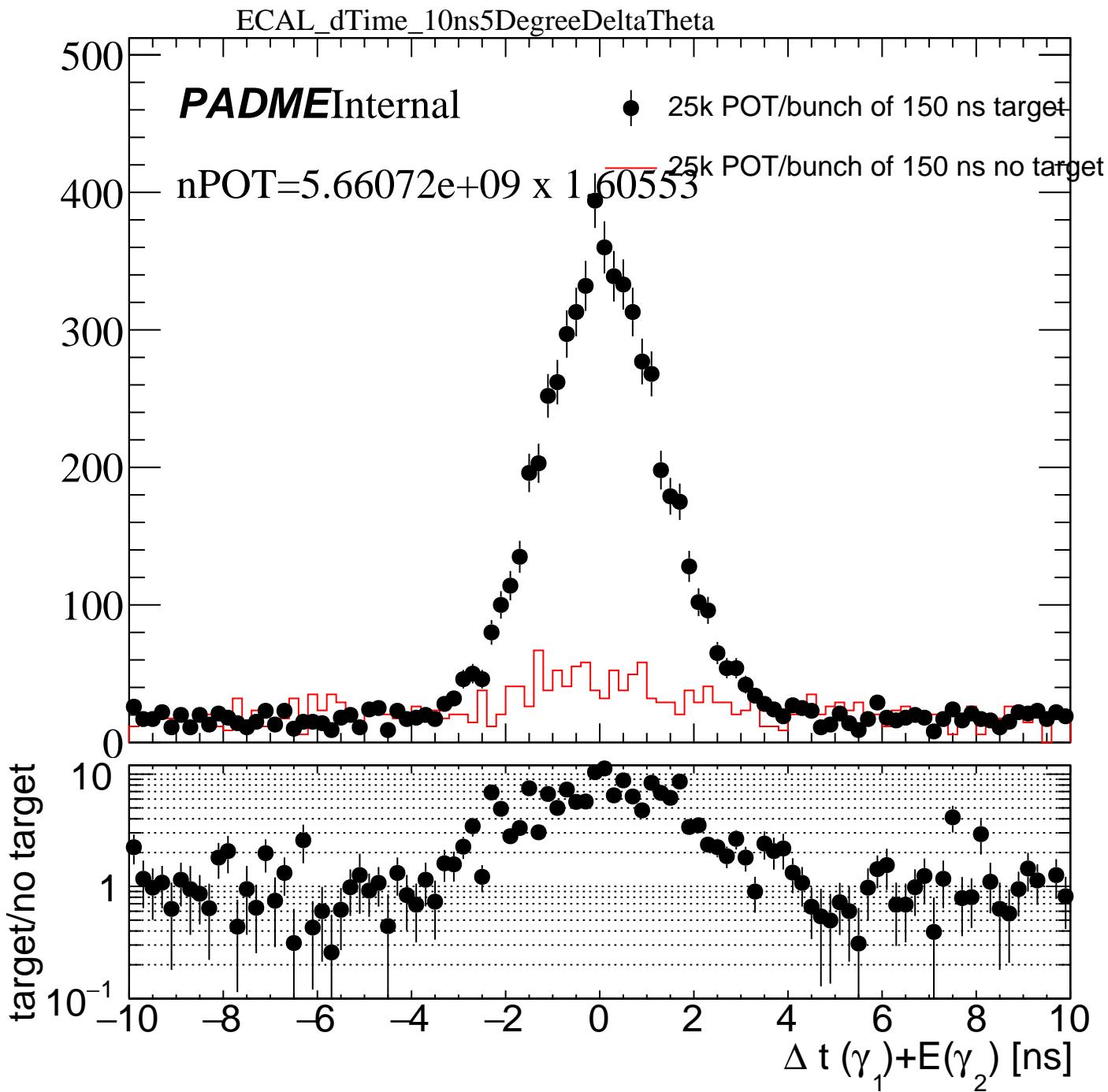


ECAL_dTime_10ns20DegreeDeltaTheta

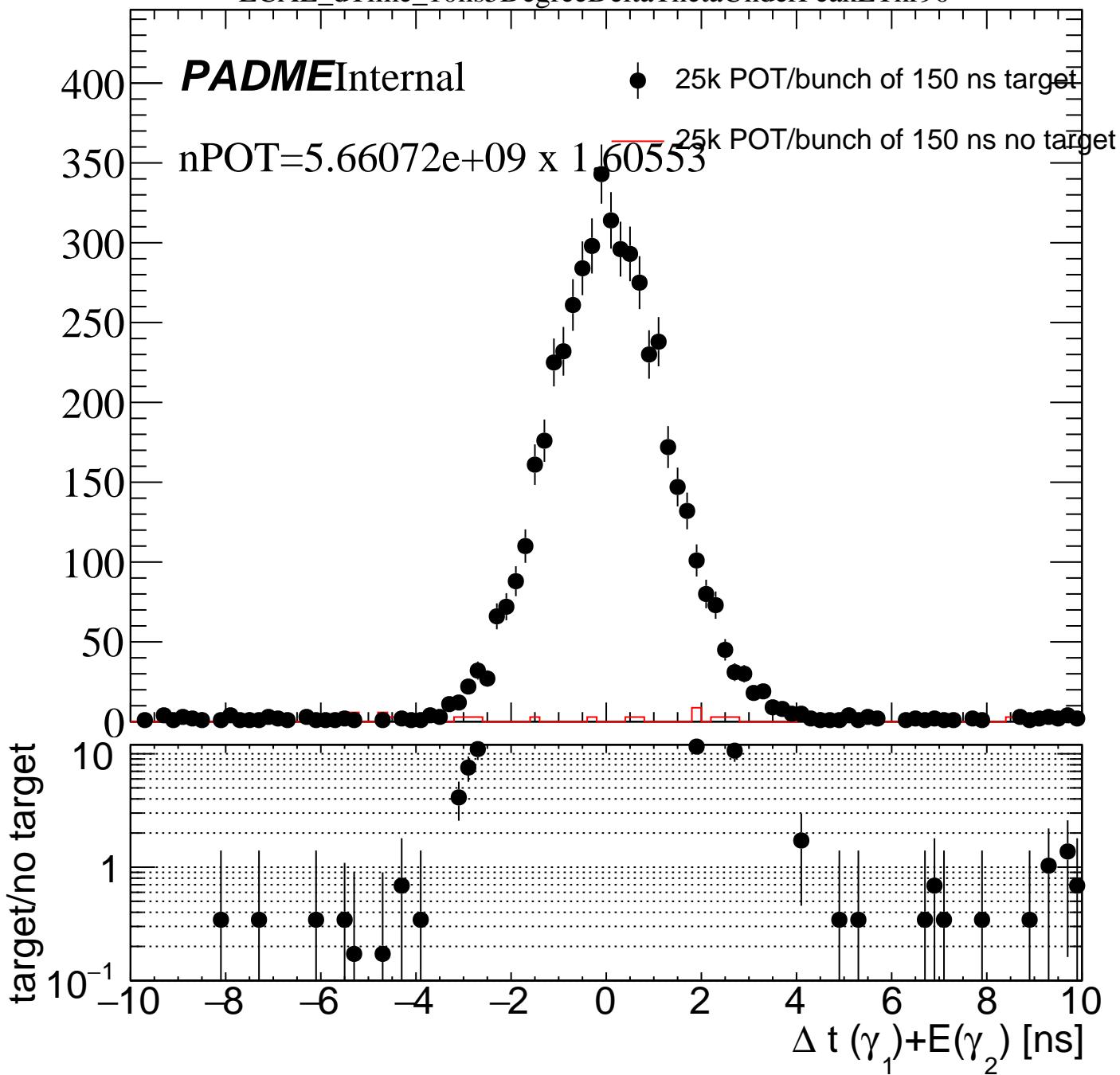


ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90

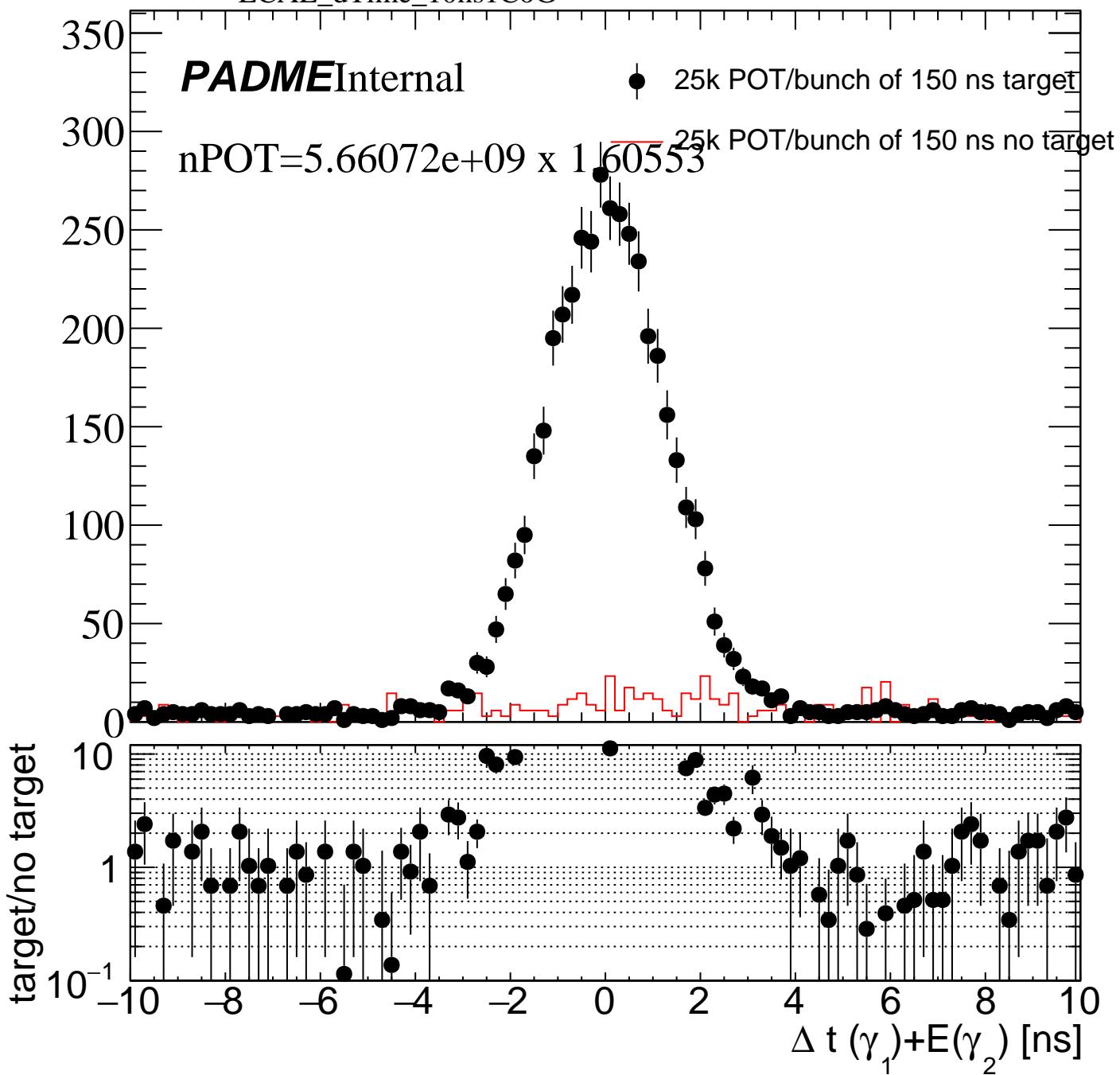


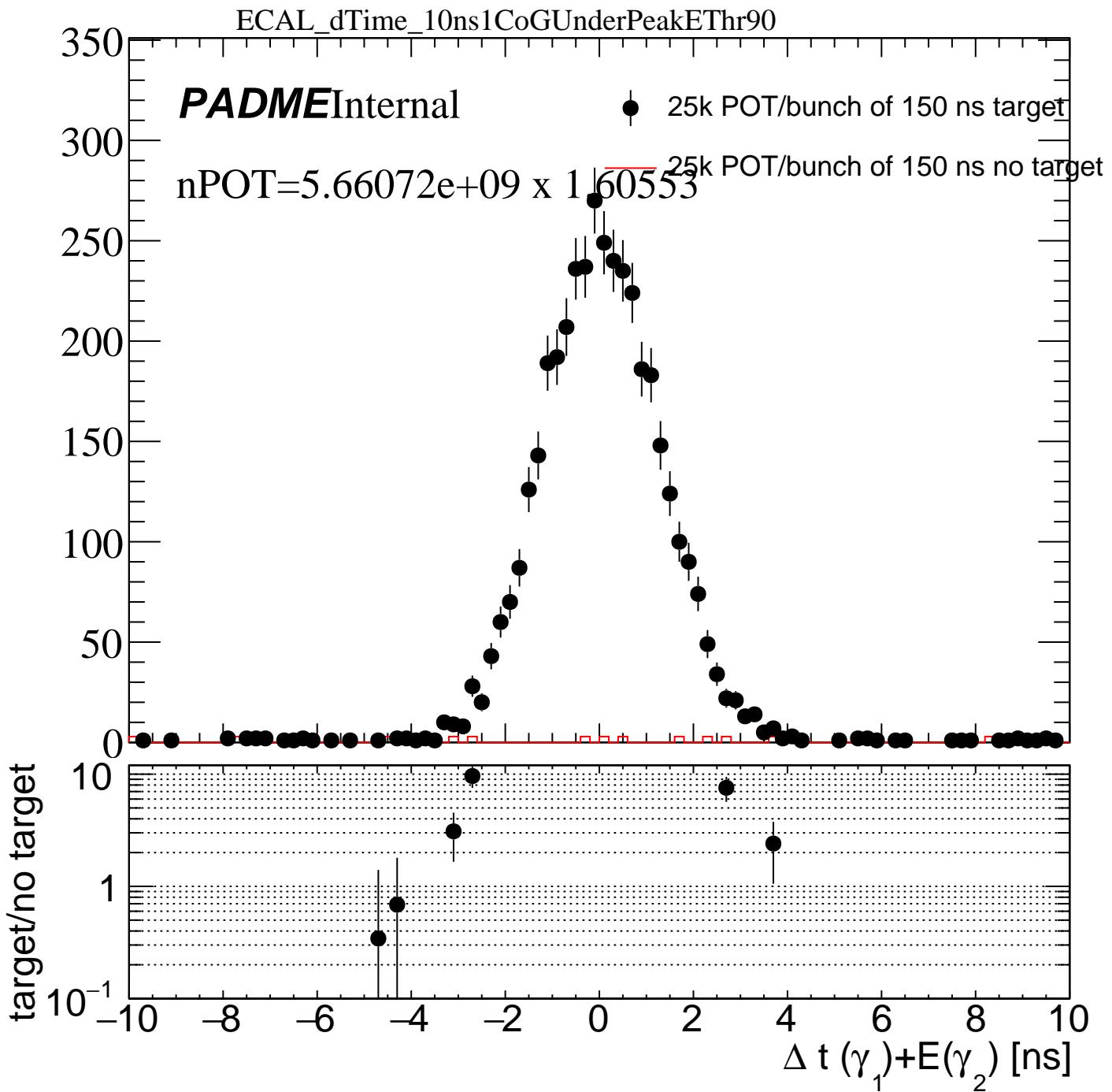


ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

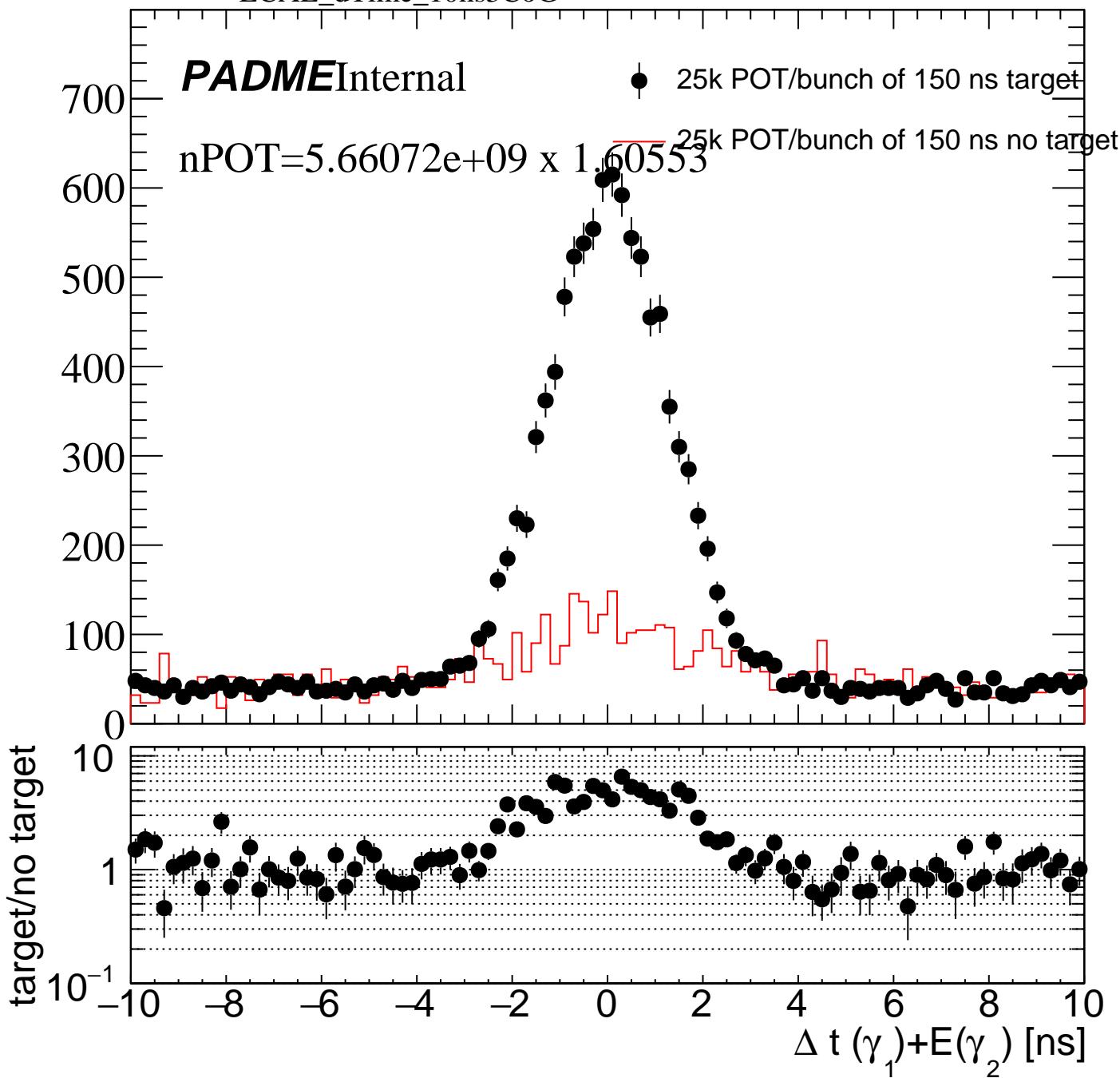


ECAL_dTime_10ns1CoG

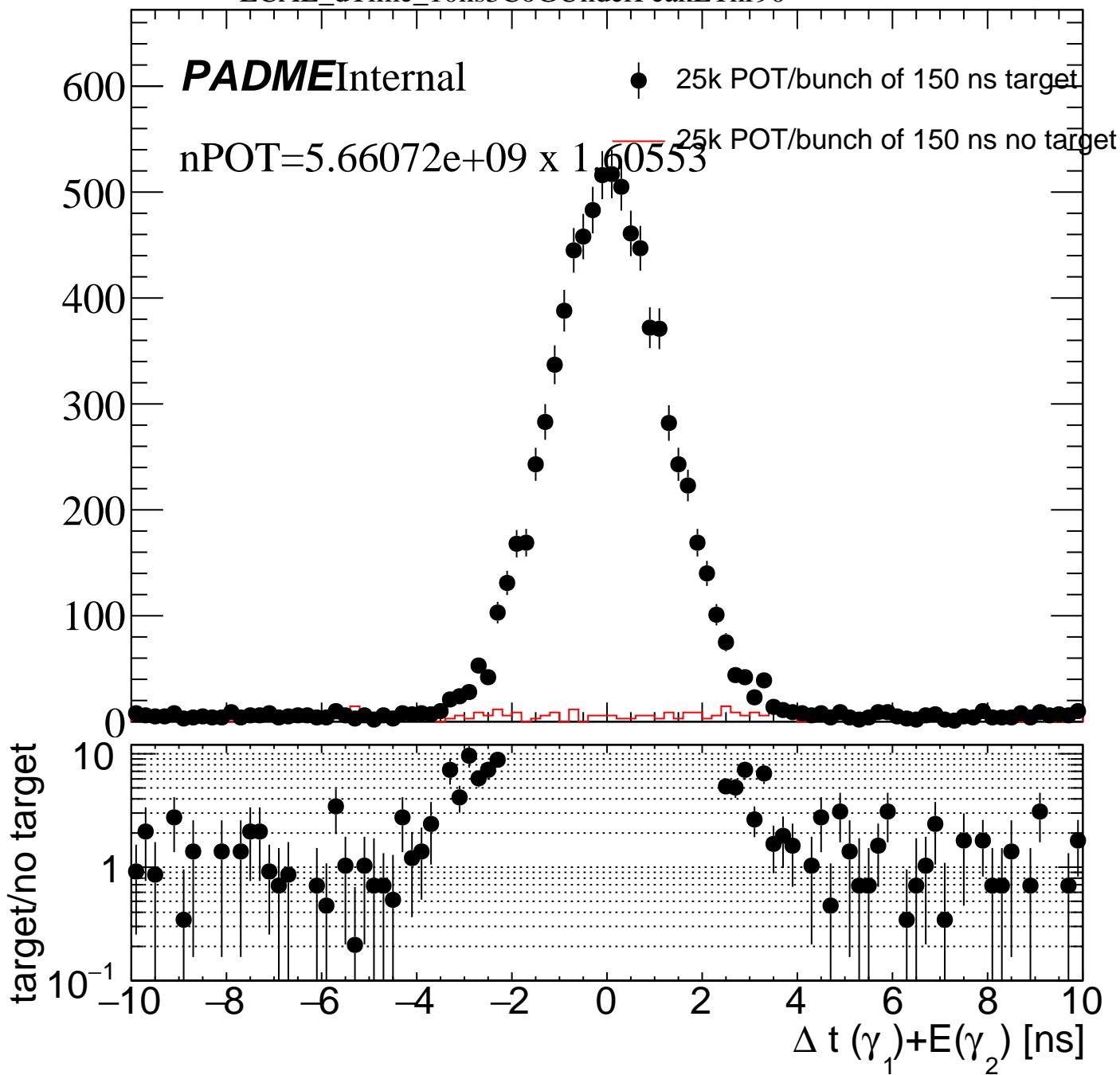




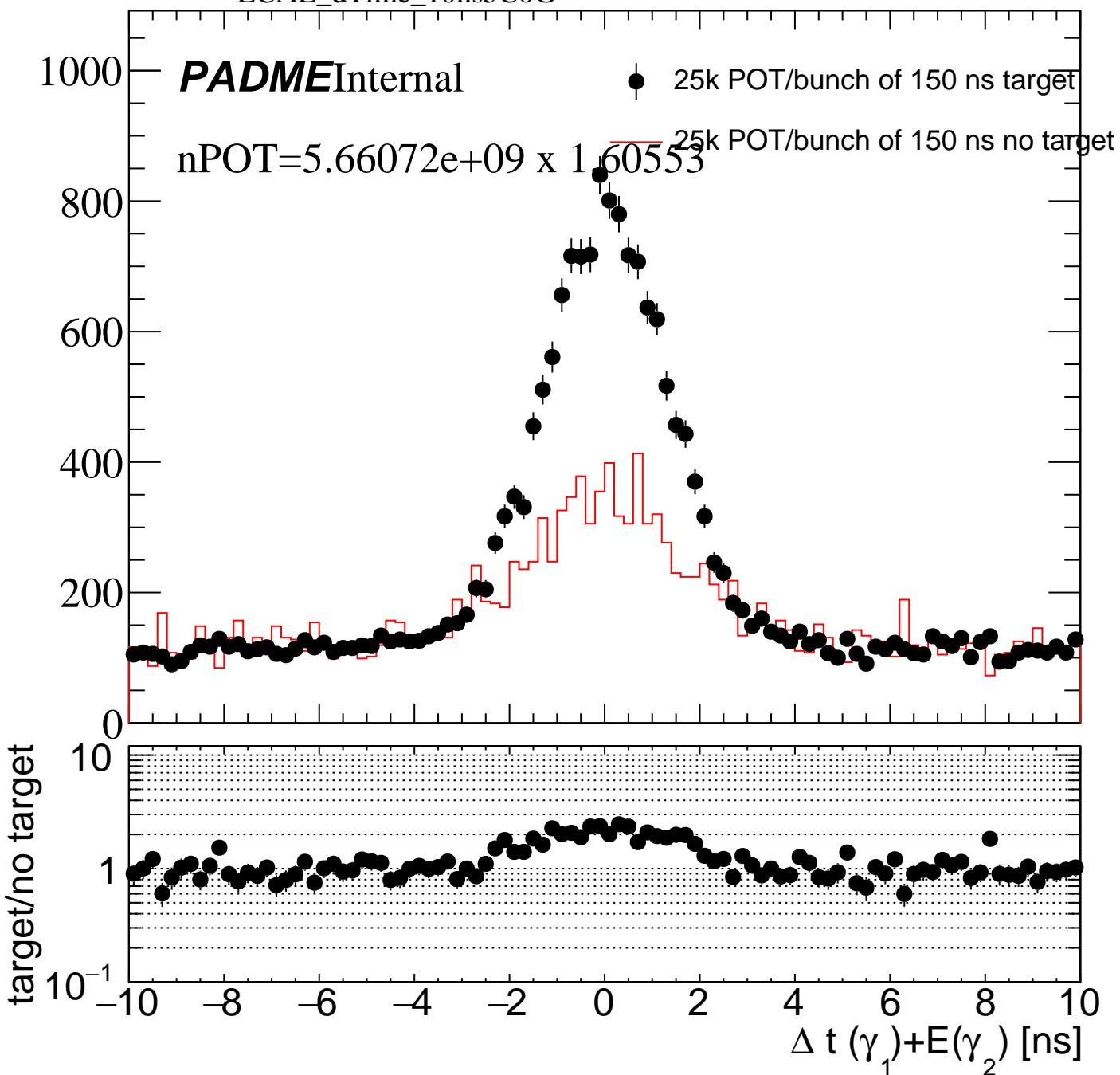
ECAL_dTime_10ns3CoG

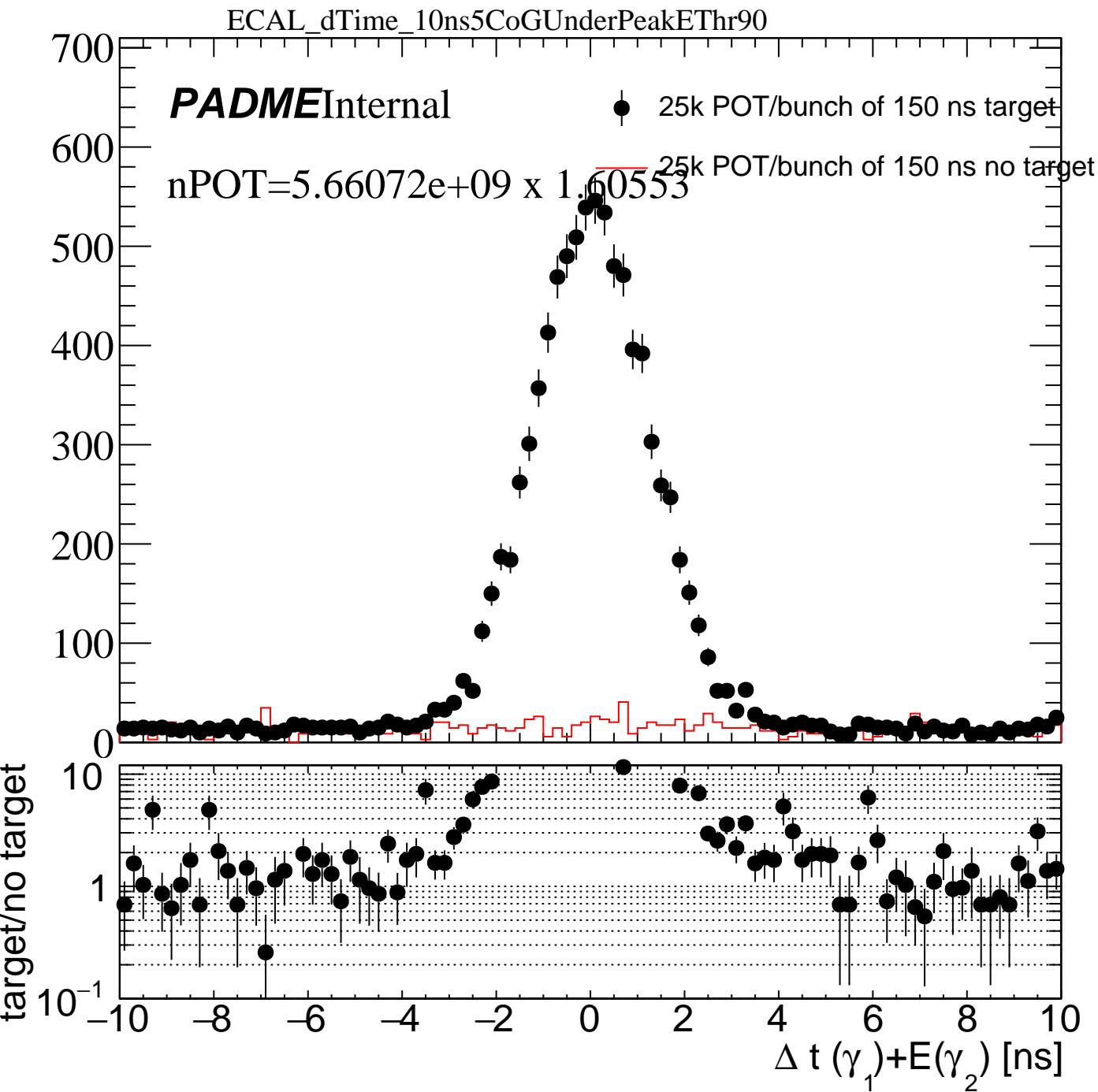


ECAL_dTime_10ns3CoGUnderPeakEThr90

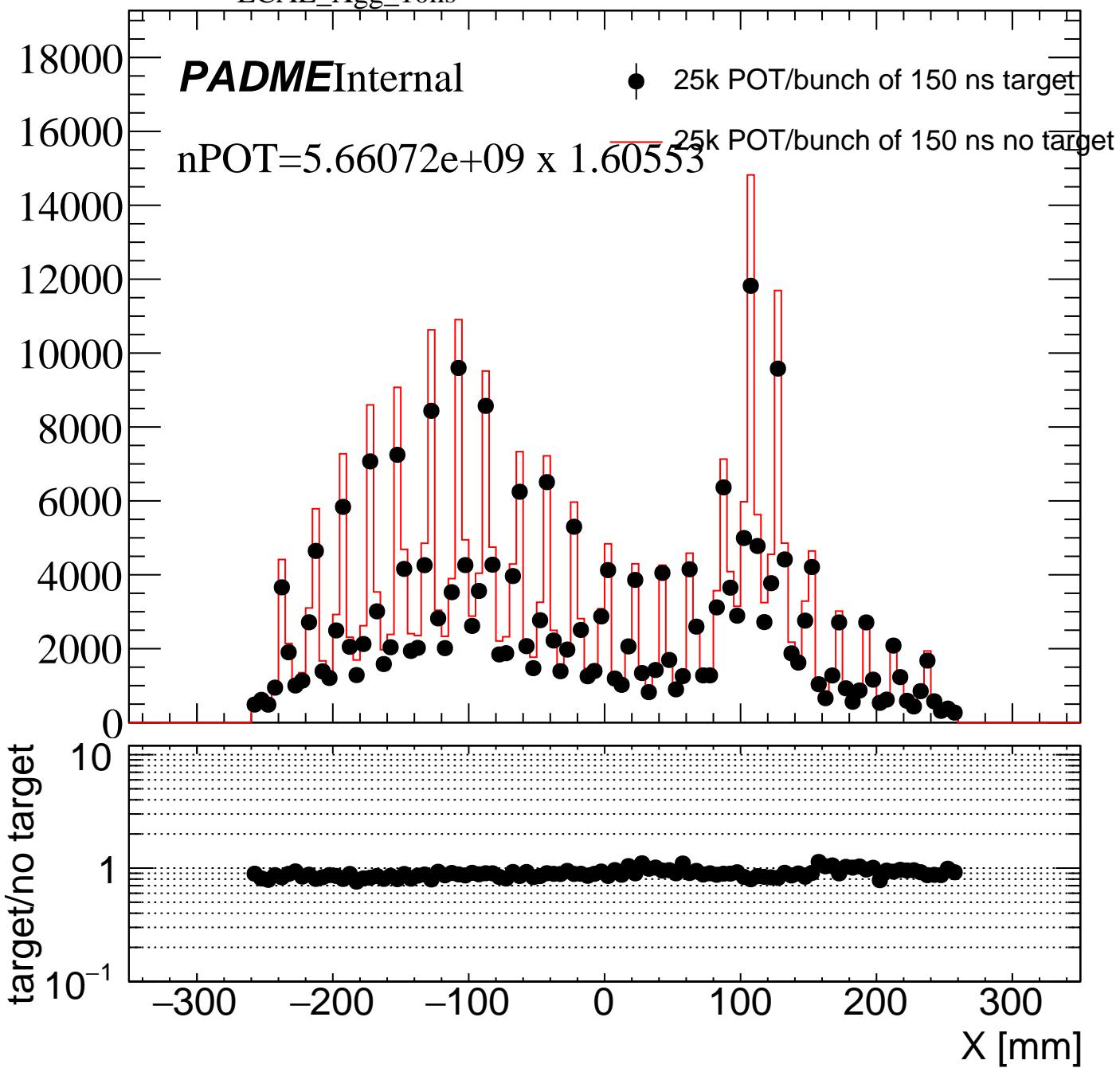


ECAL_dTime_10ns5CoG

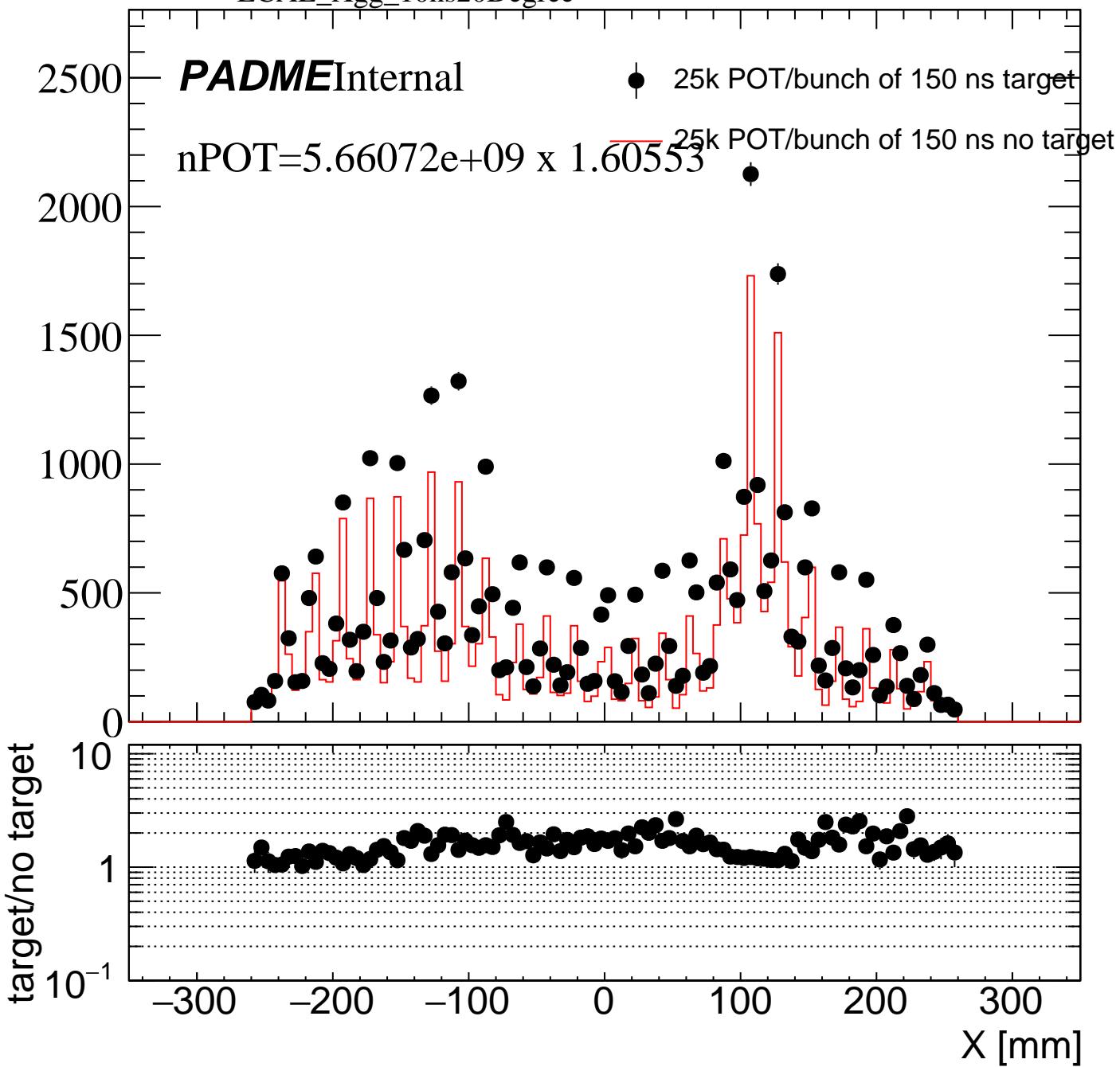




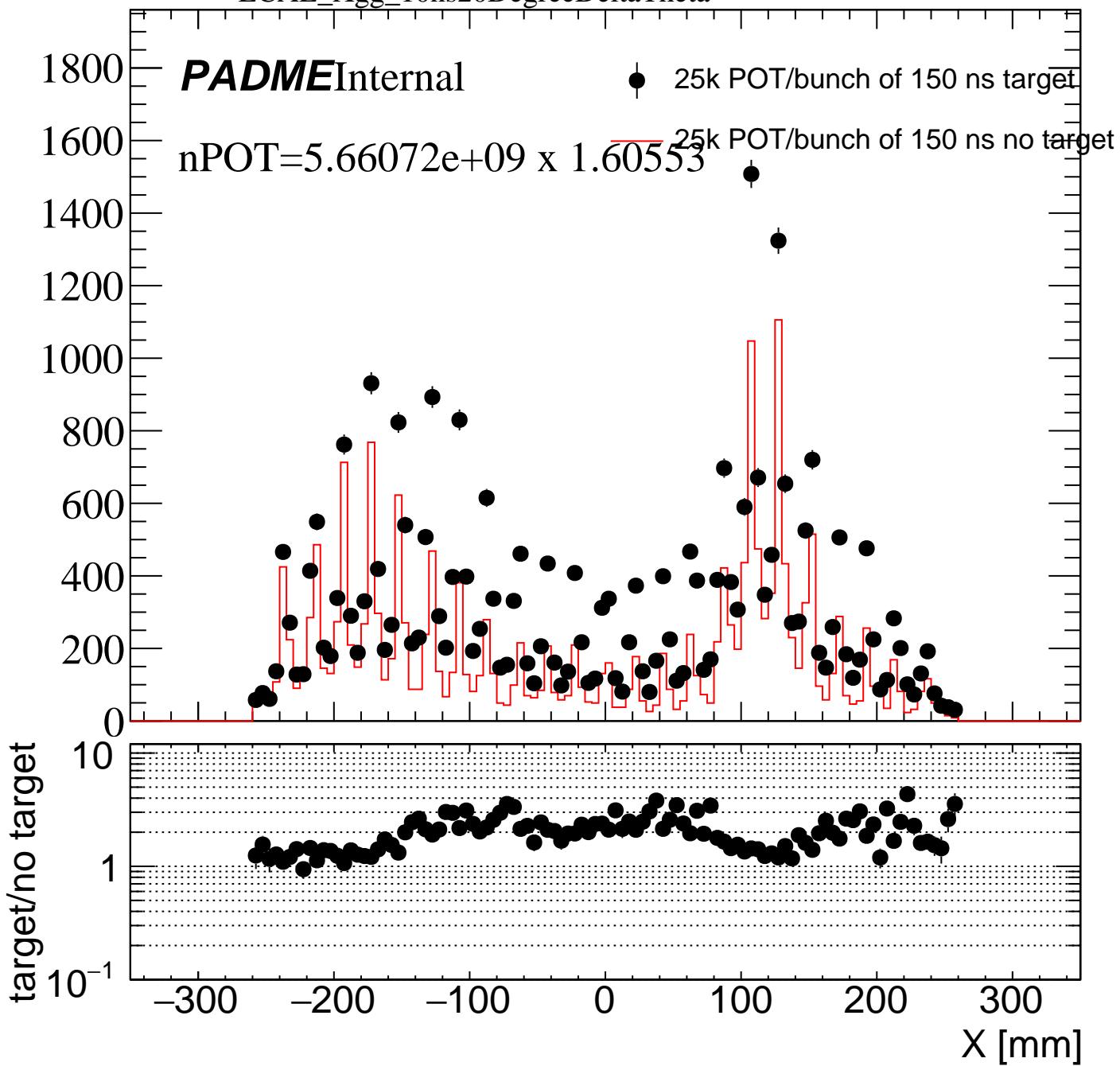
ECAL_Xgg_10ns

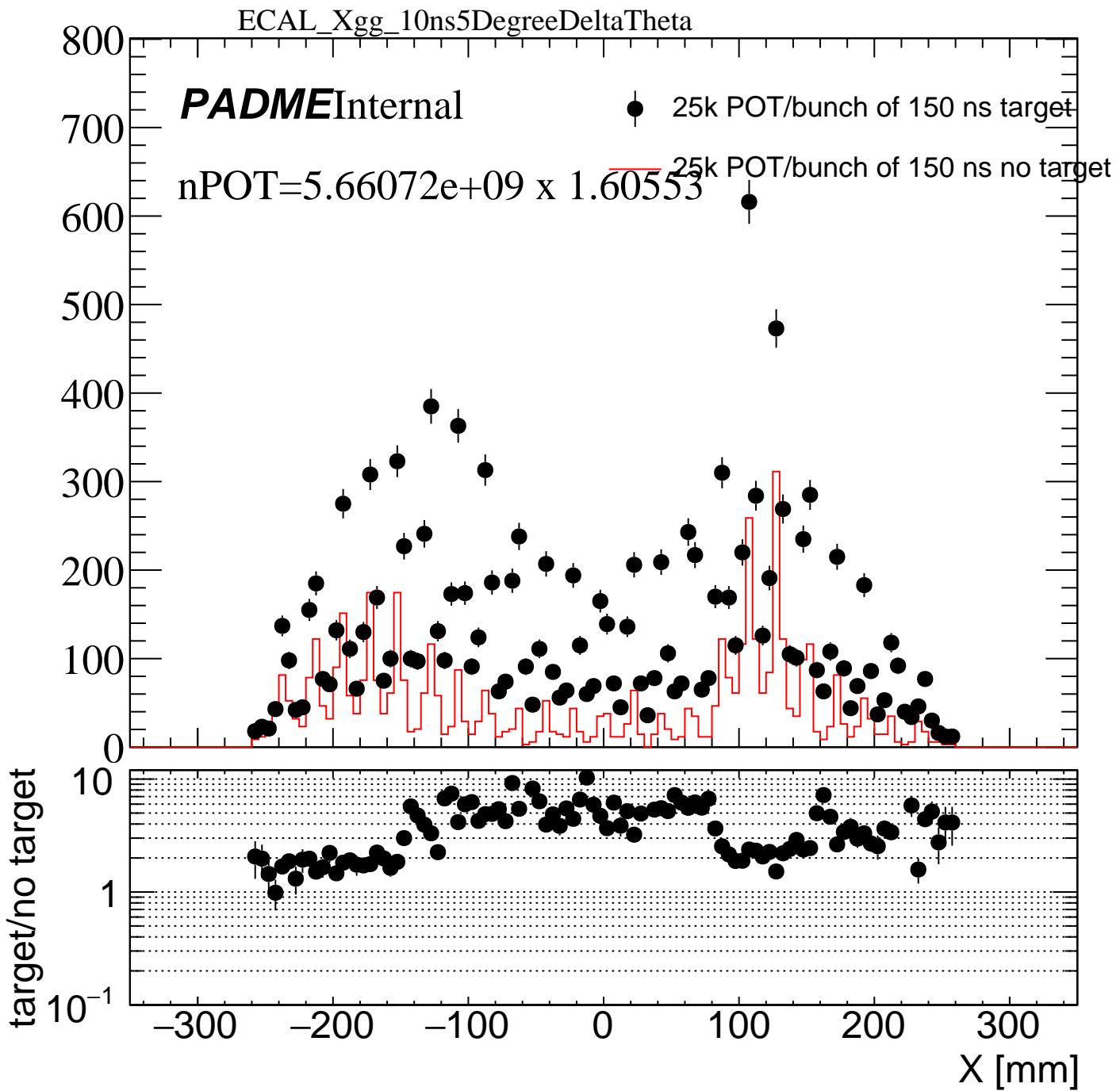


ECAL_Xgg_10ns20Degree

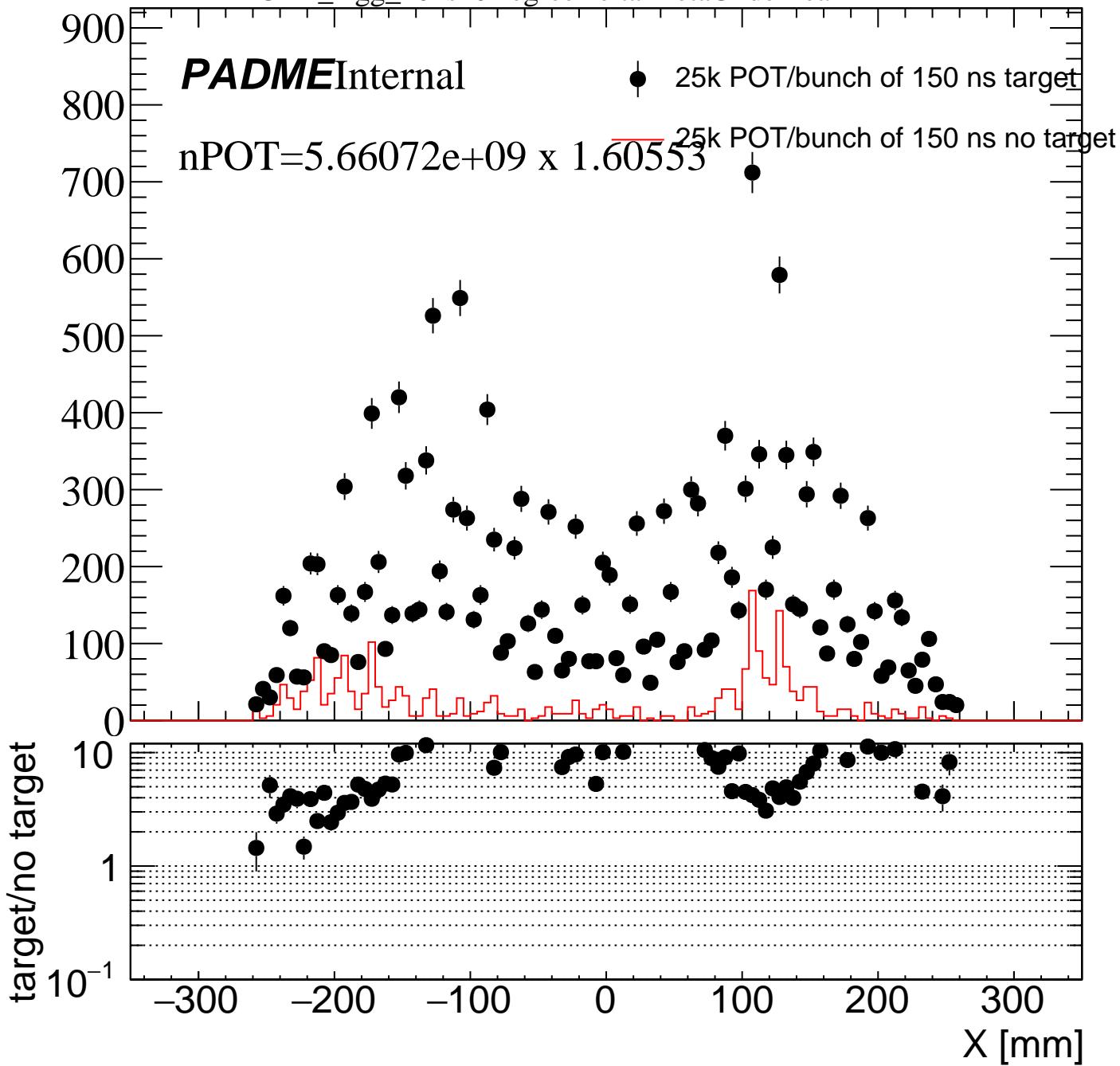


ECAL_Xgg_10ns20DegreeDeltaTheta

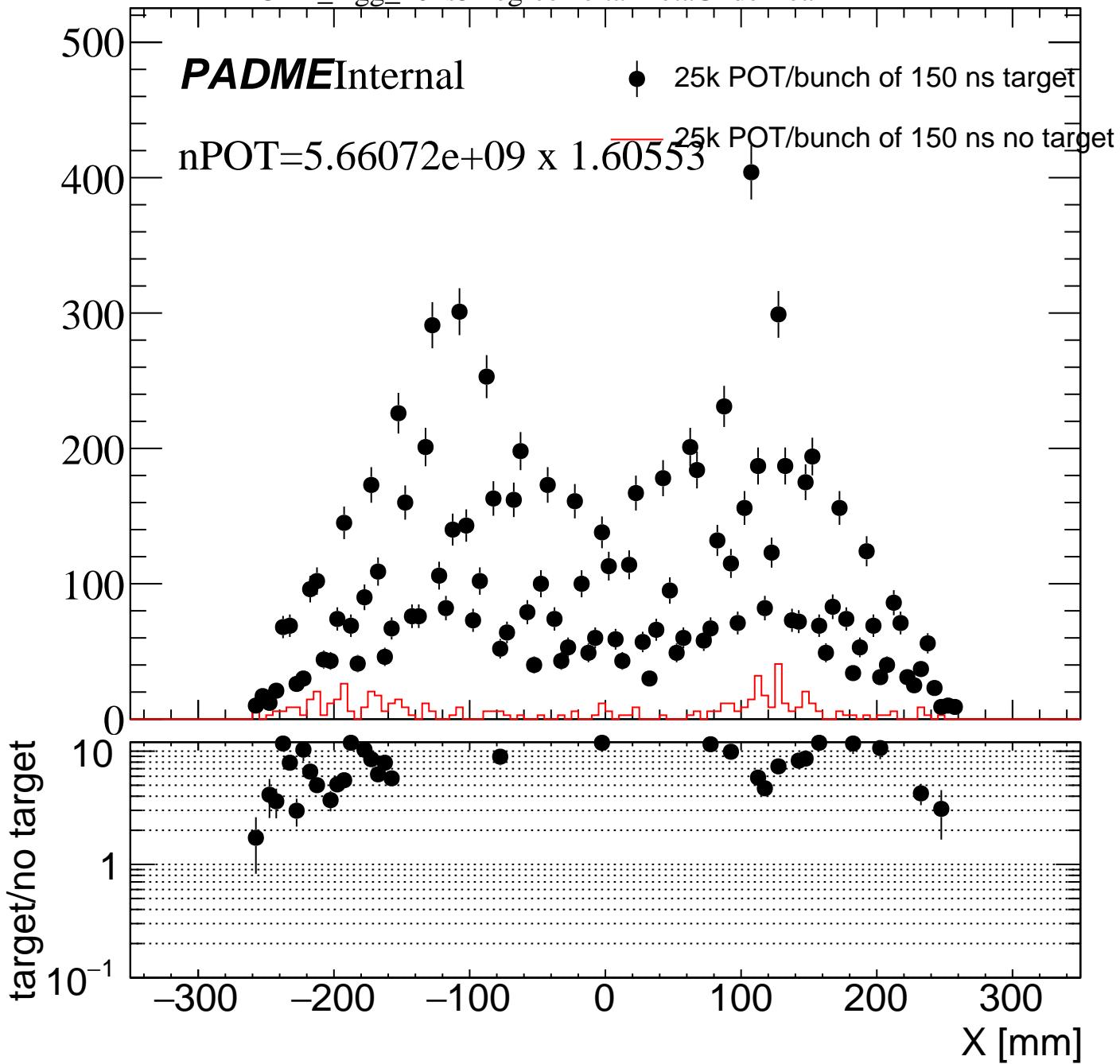




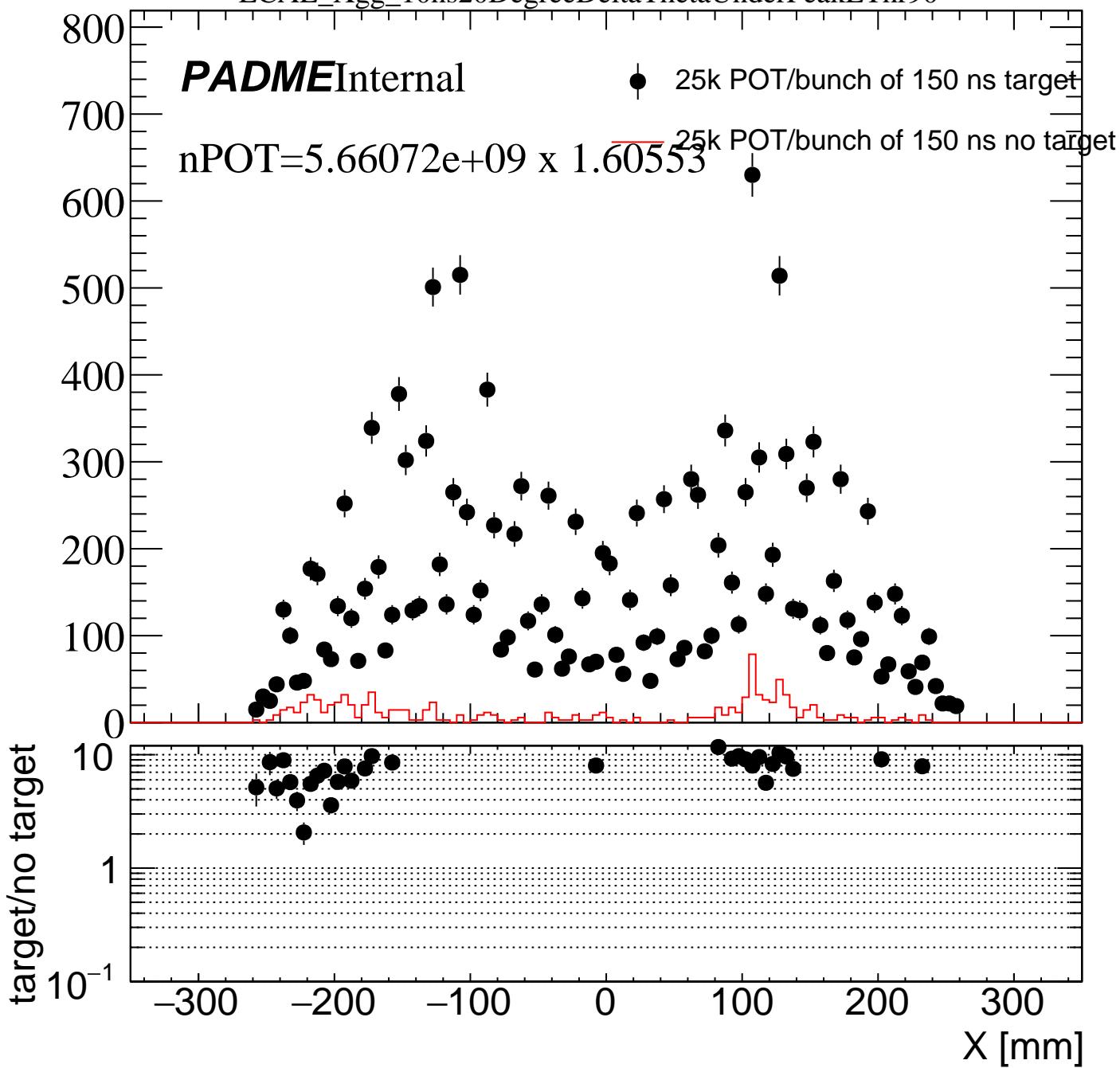
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



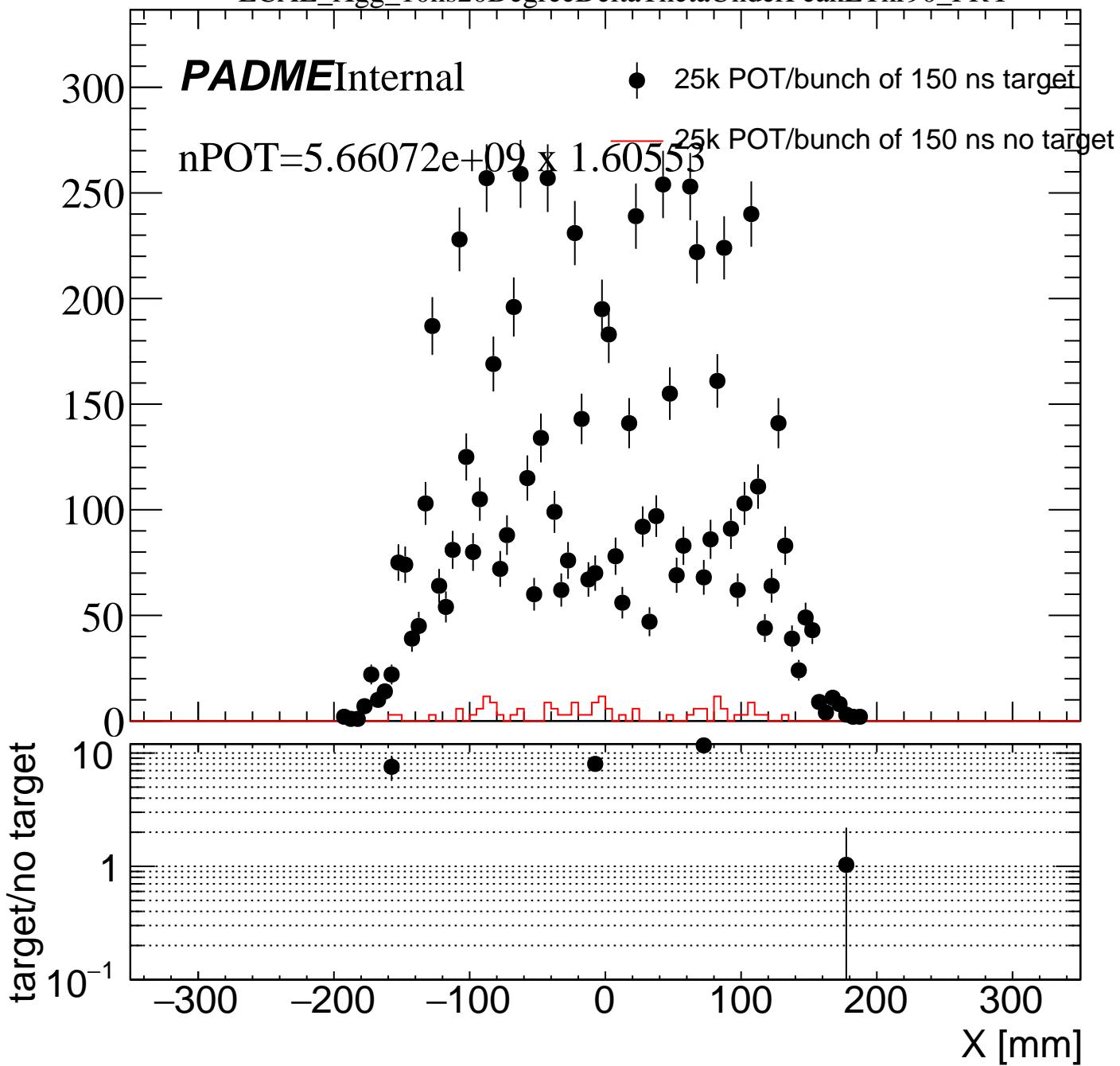
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak



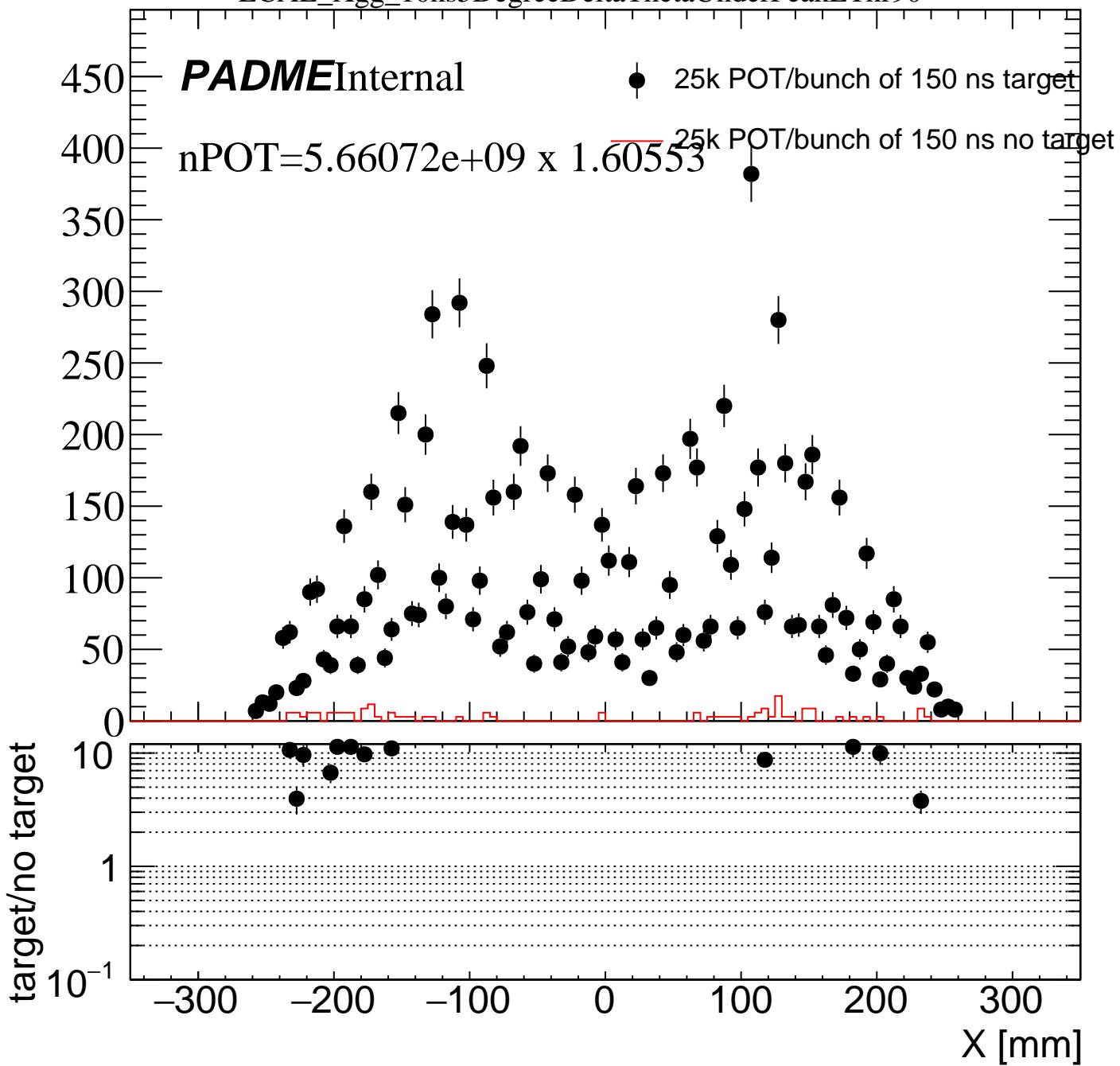
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90



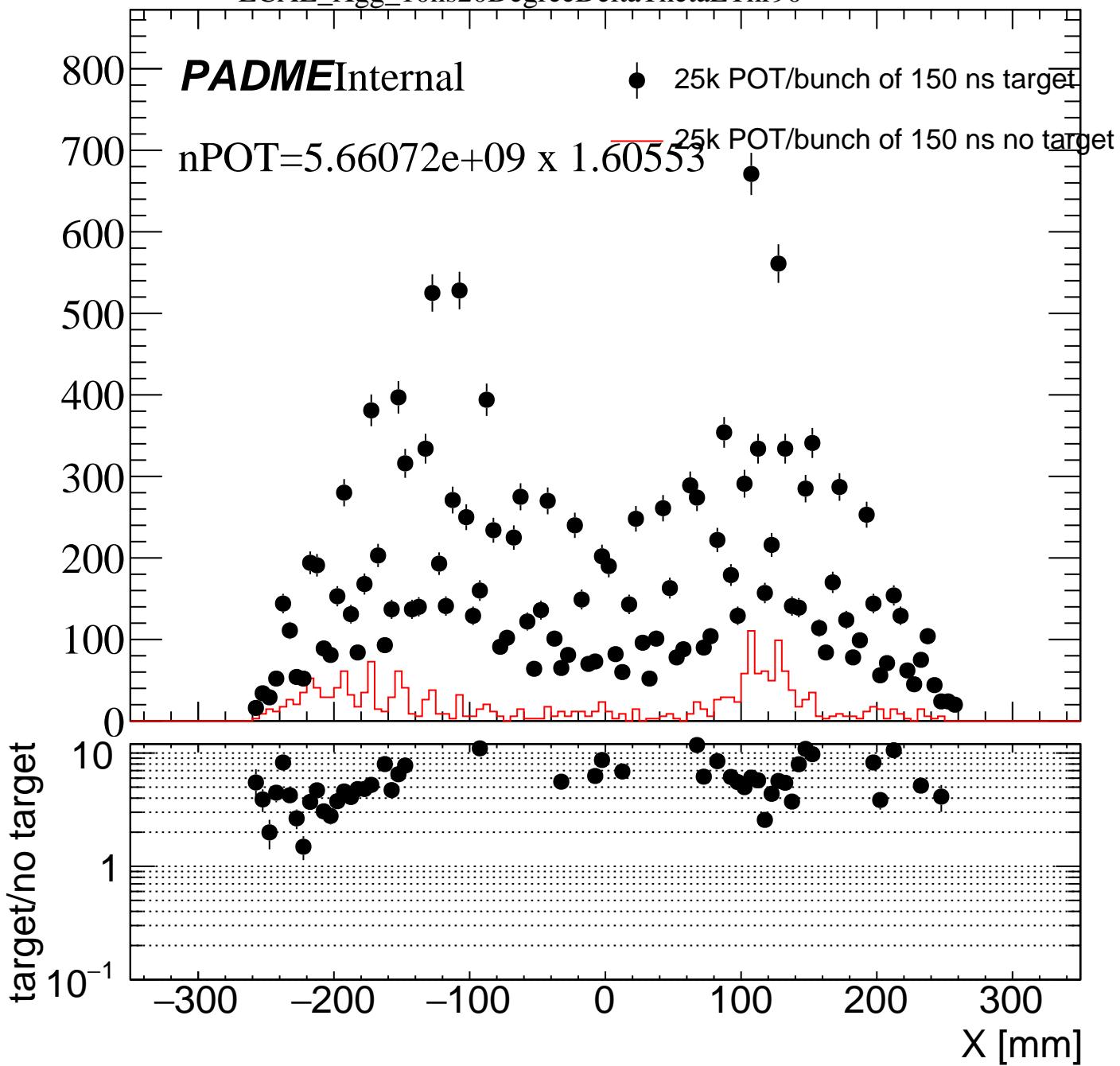
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



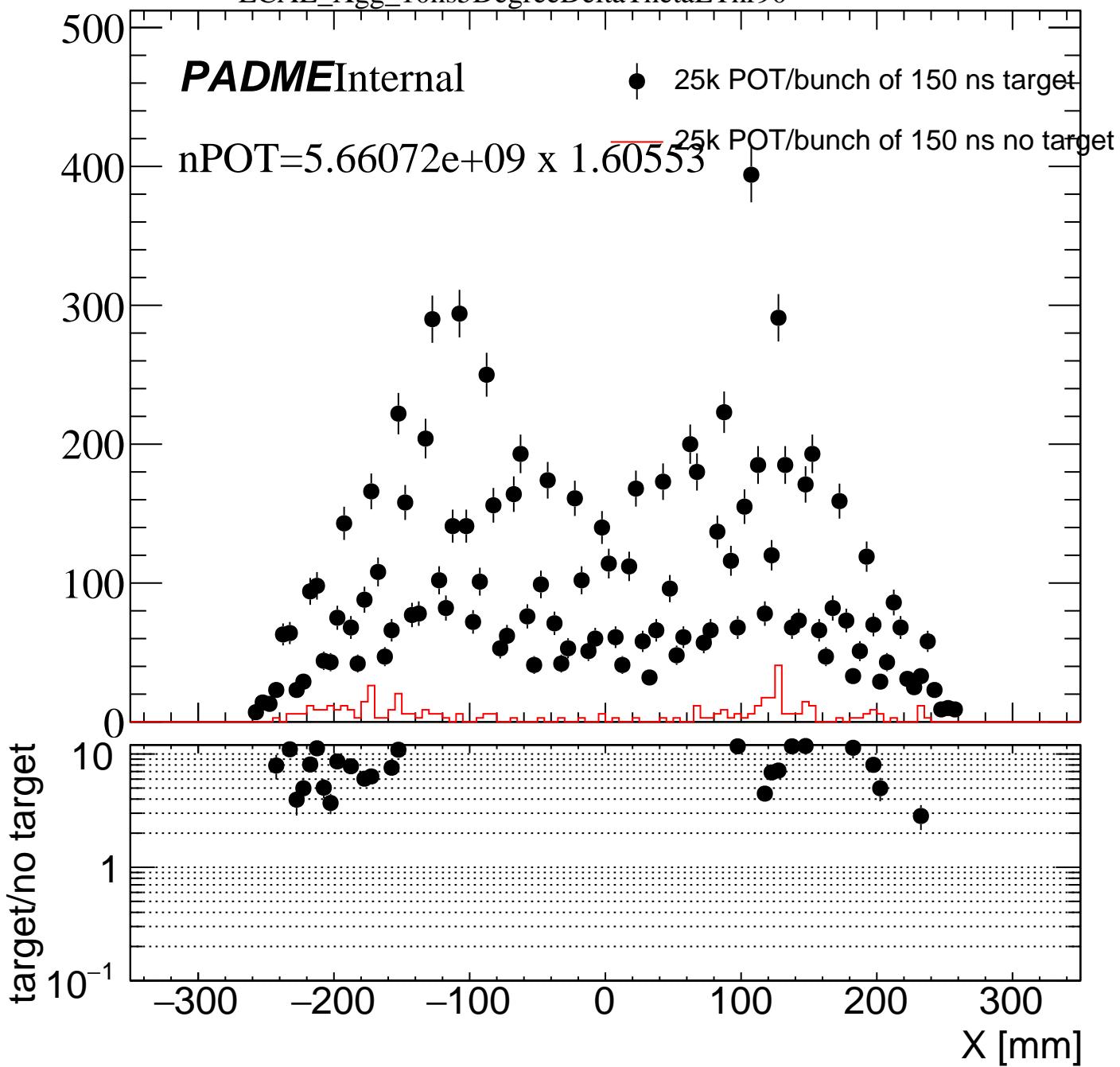
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90



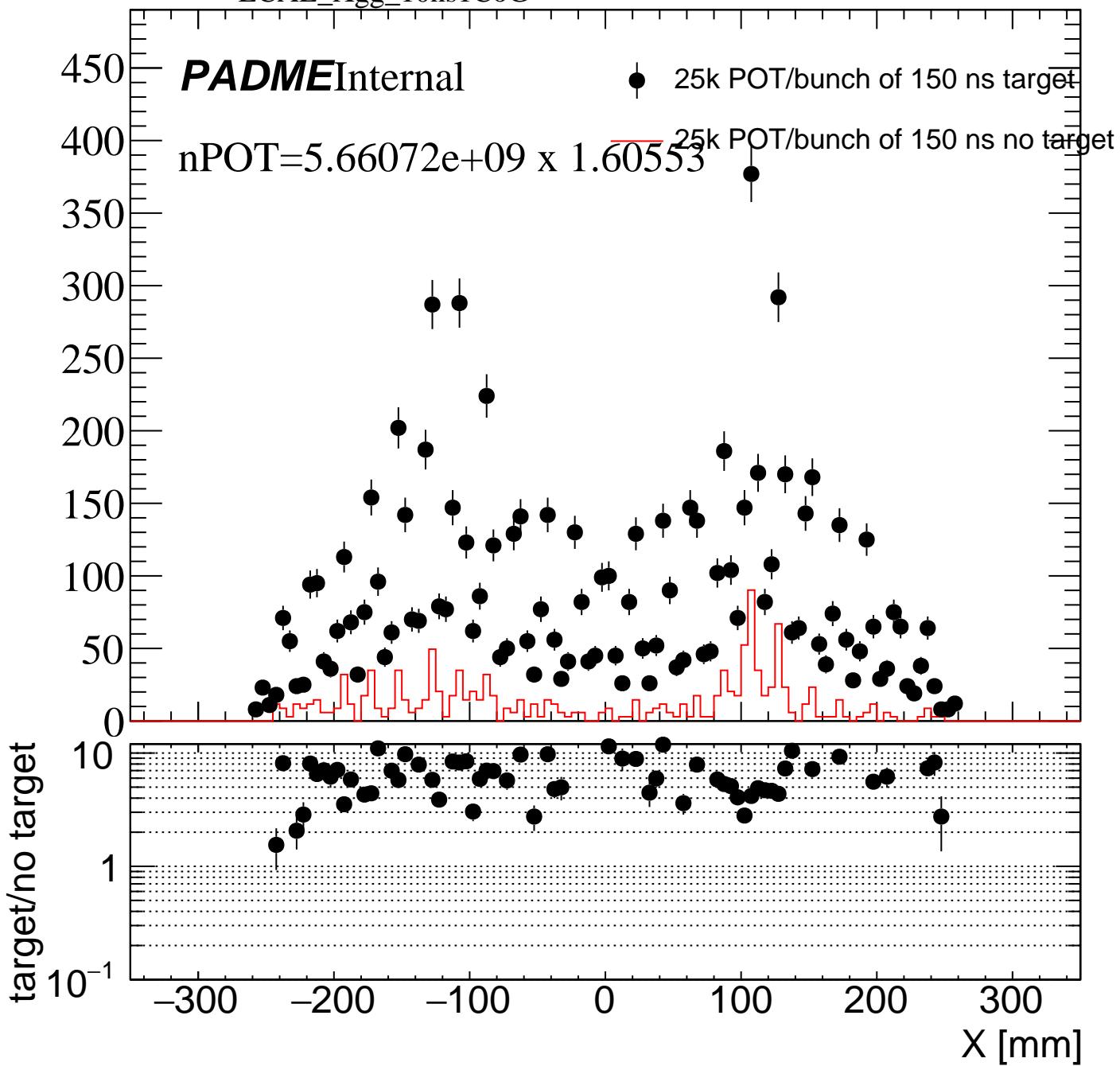
ECAL_Xgg_10ns20DegreeDeltaThetaEThr90

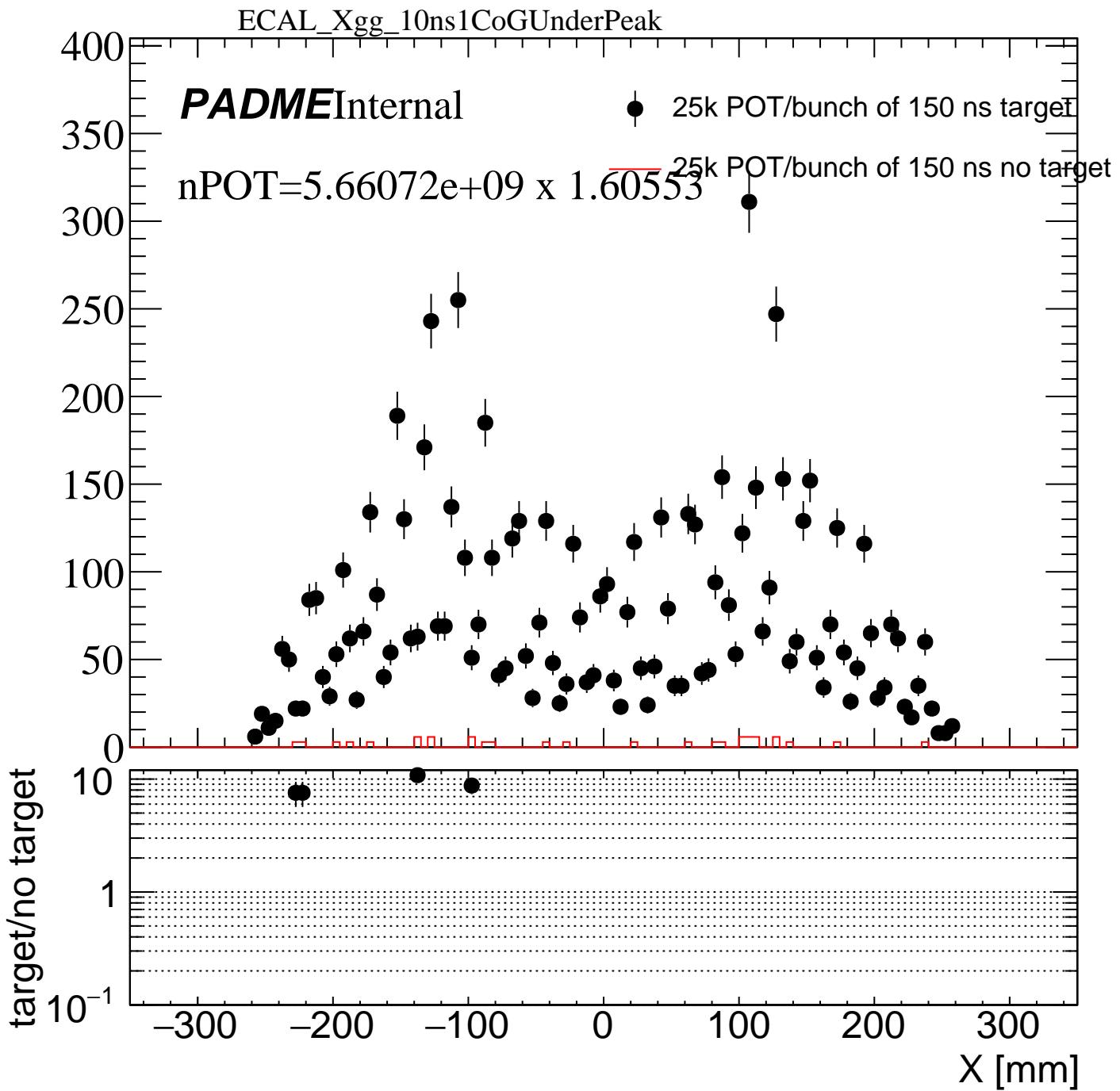


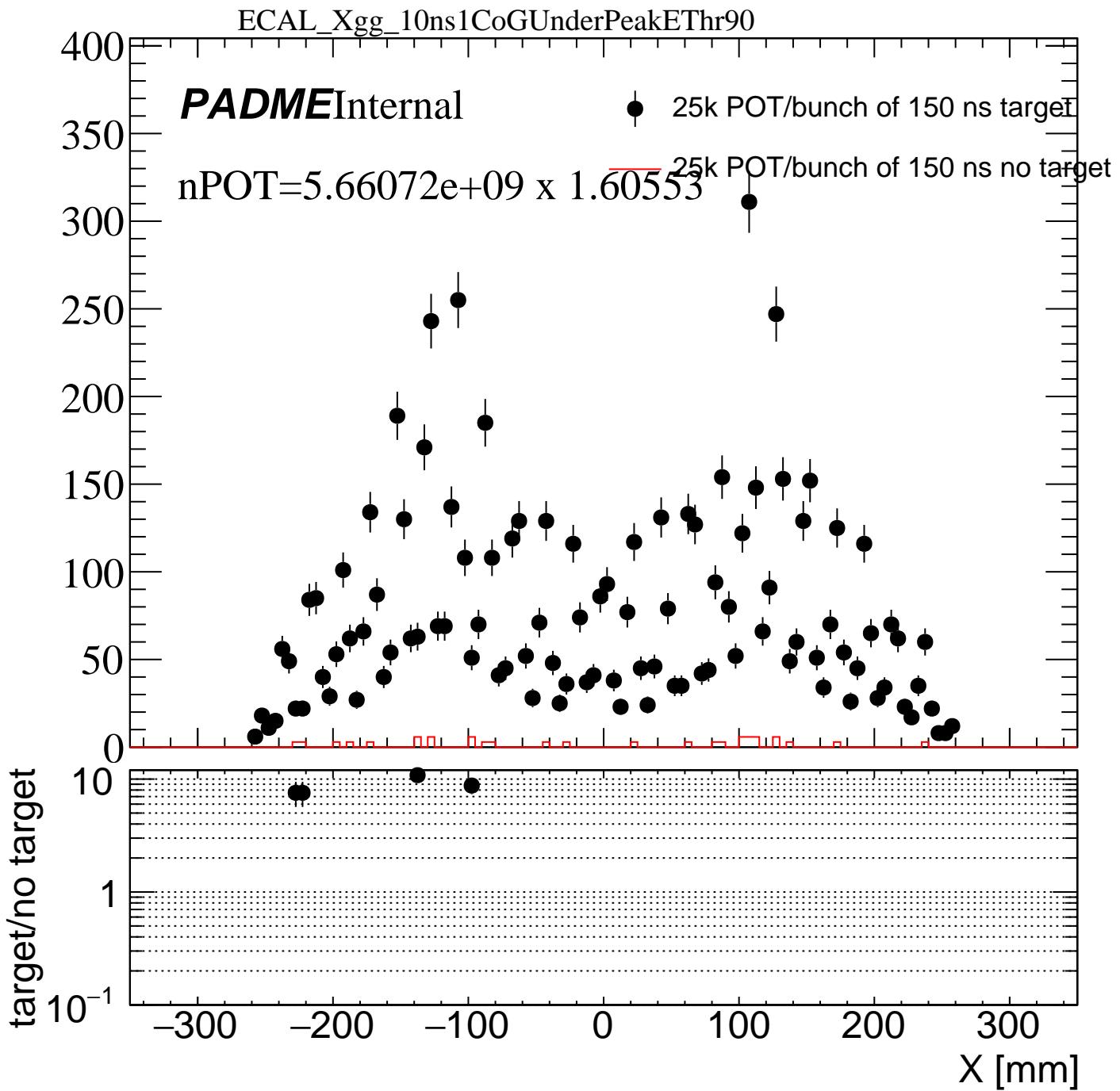
ECAL_Xgg_10ns5DegreeDeltaThetaEThr90



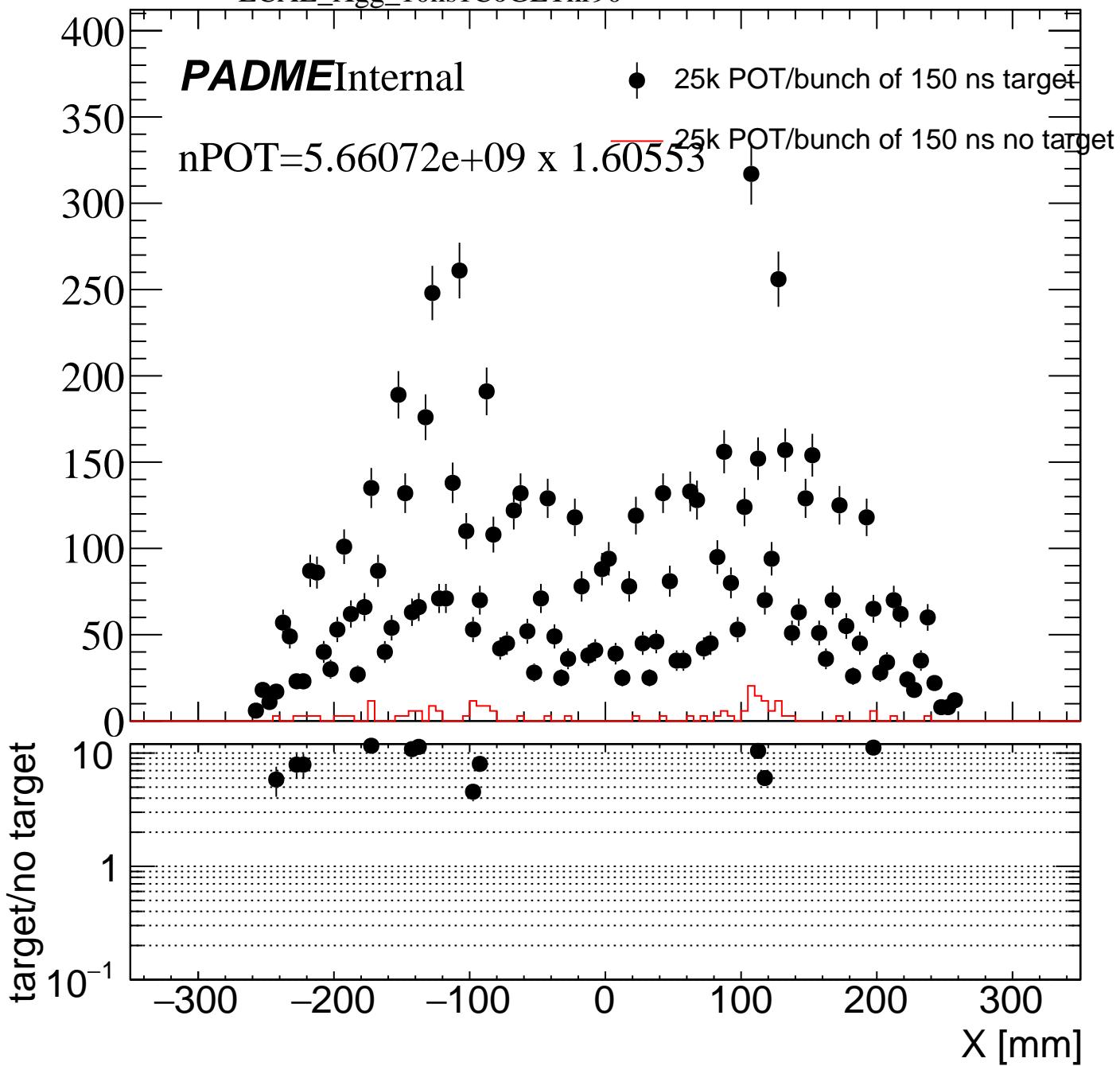
ECAL_Xgg_10ns1CoG



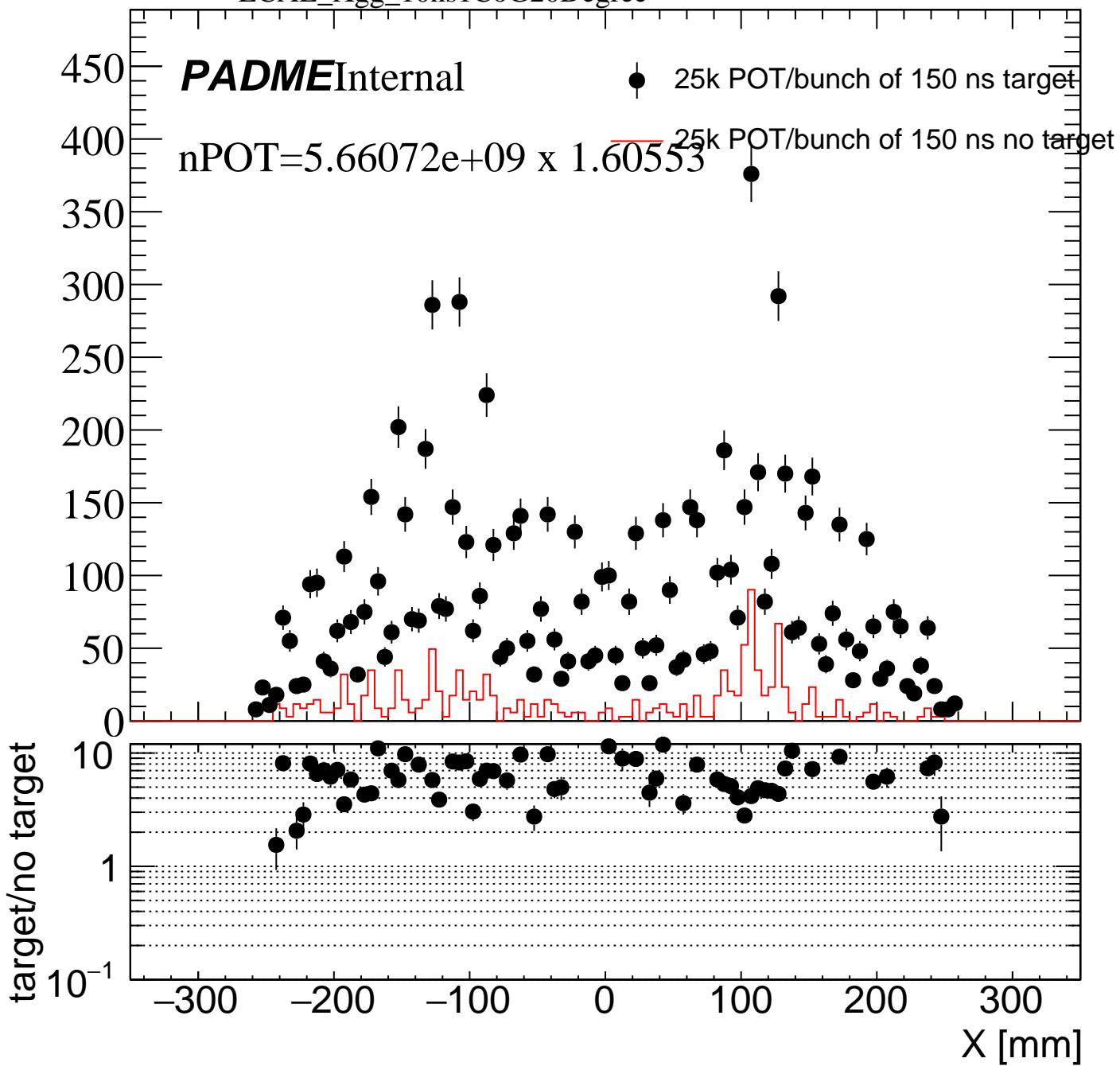




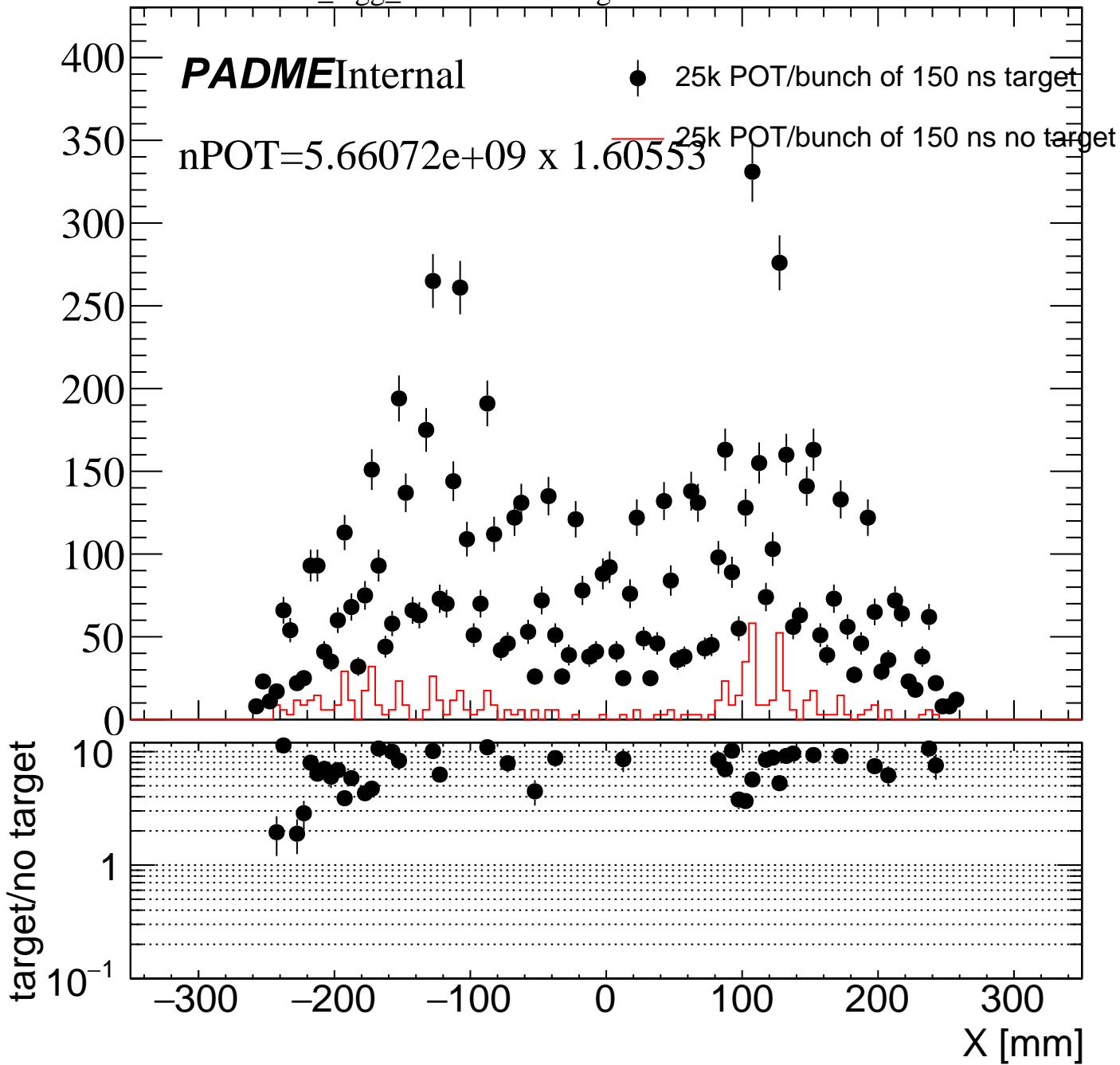
ECAL_Xgg_10ns1CoGEThr90



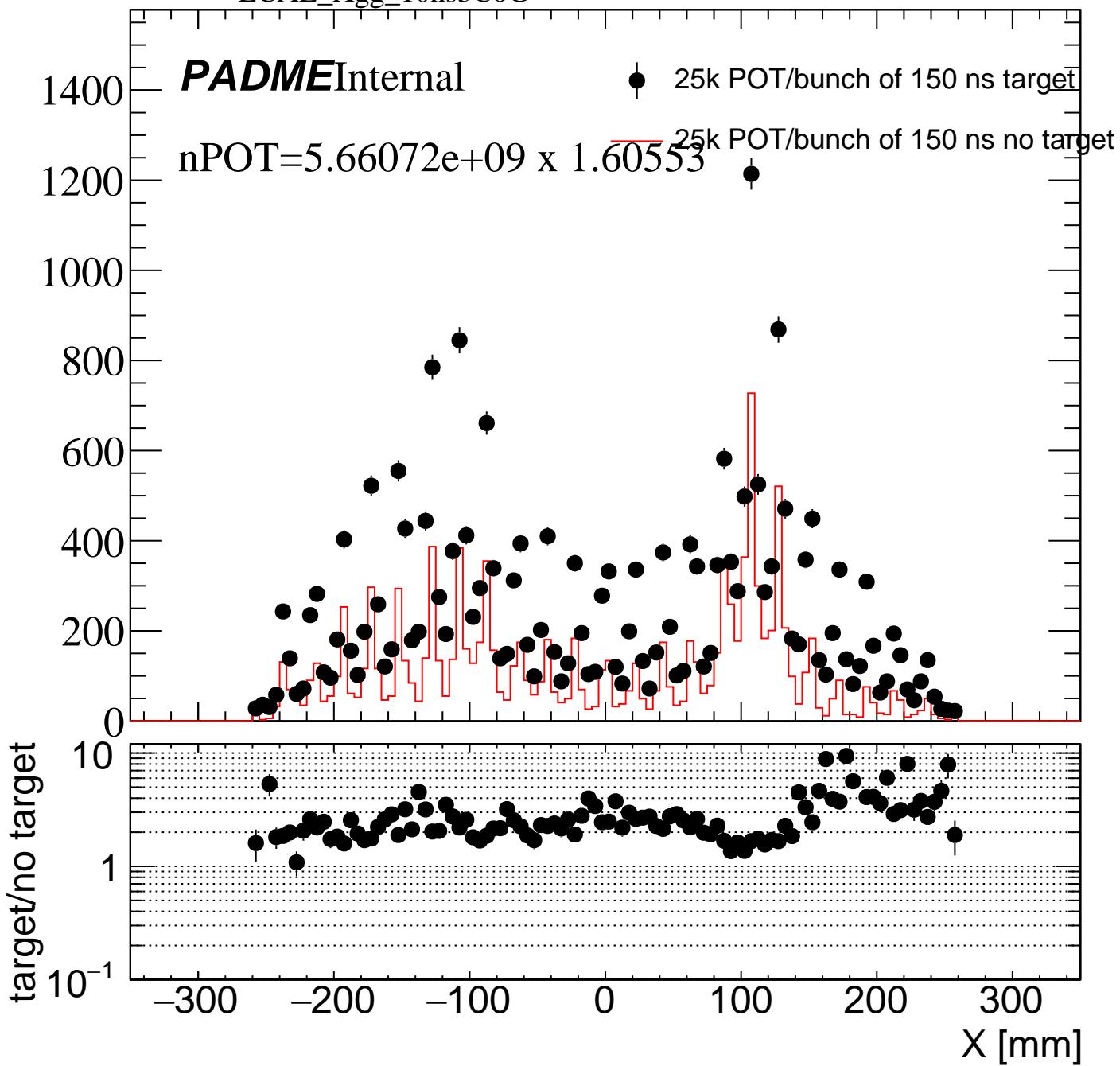
ECAL_Xgg_10ns1CoG20Degree



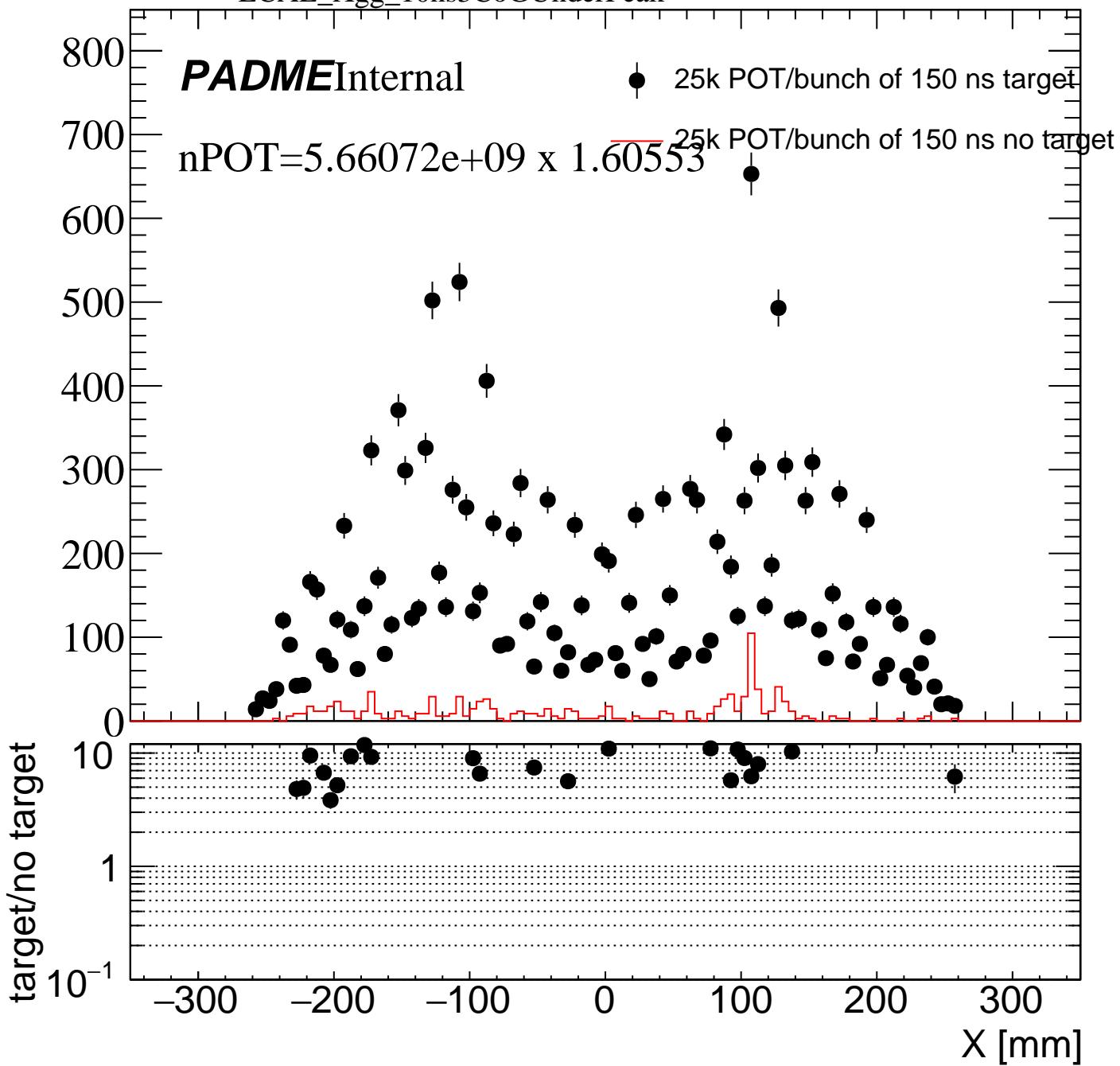
ECAL_Xgg_10ns1CoG20DegreeDeltaTheta



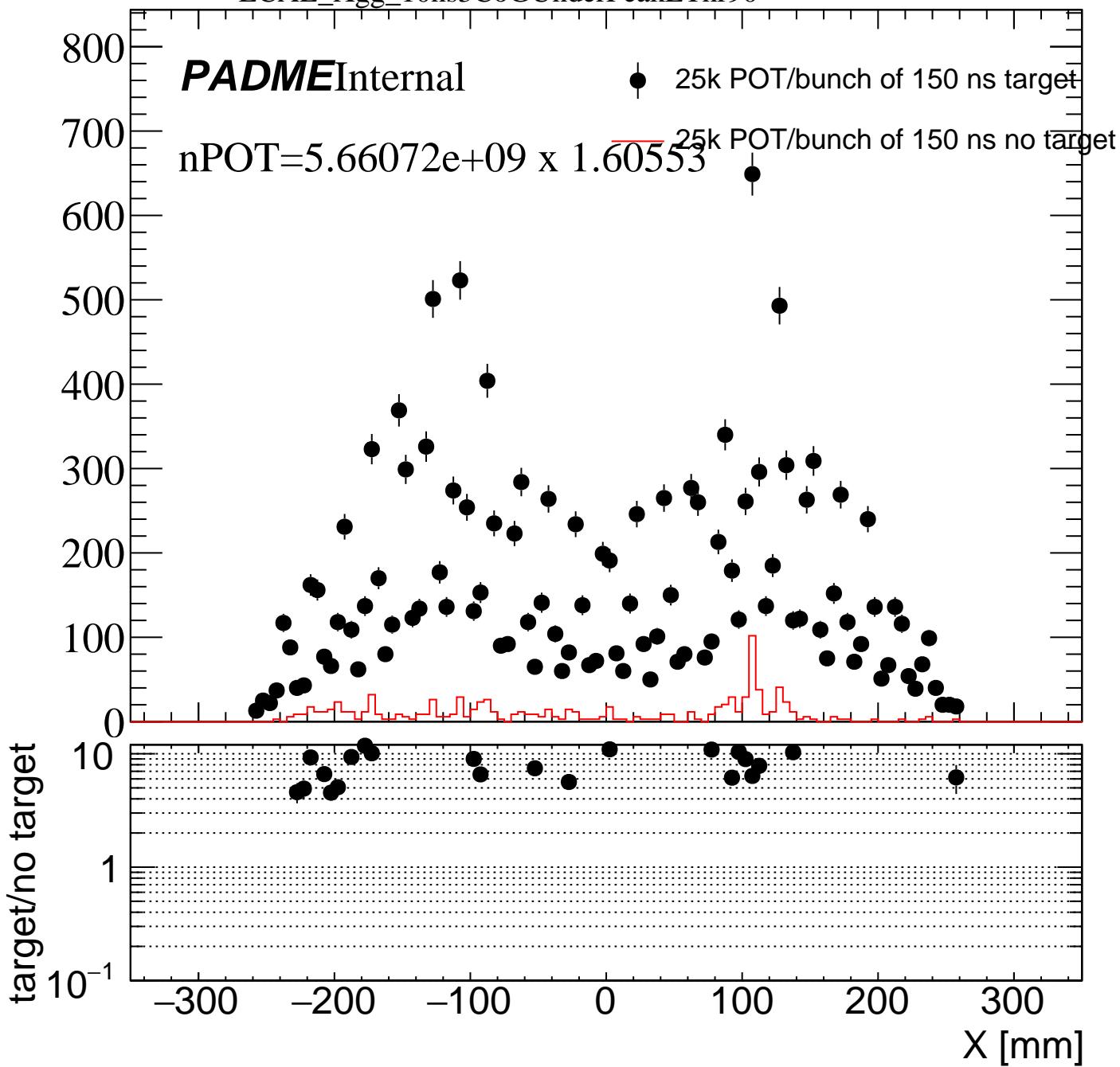
ECAL_Xgg_10ns3CoG



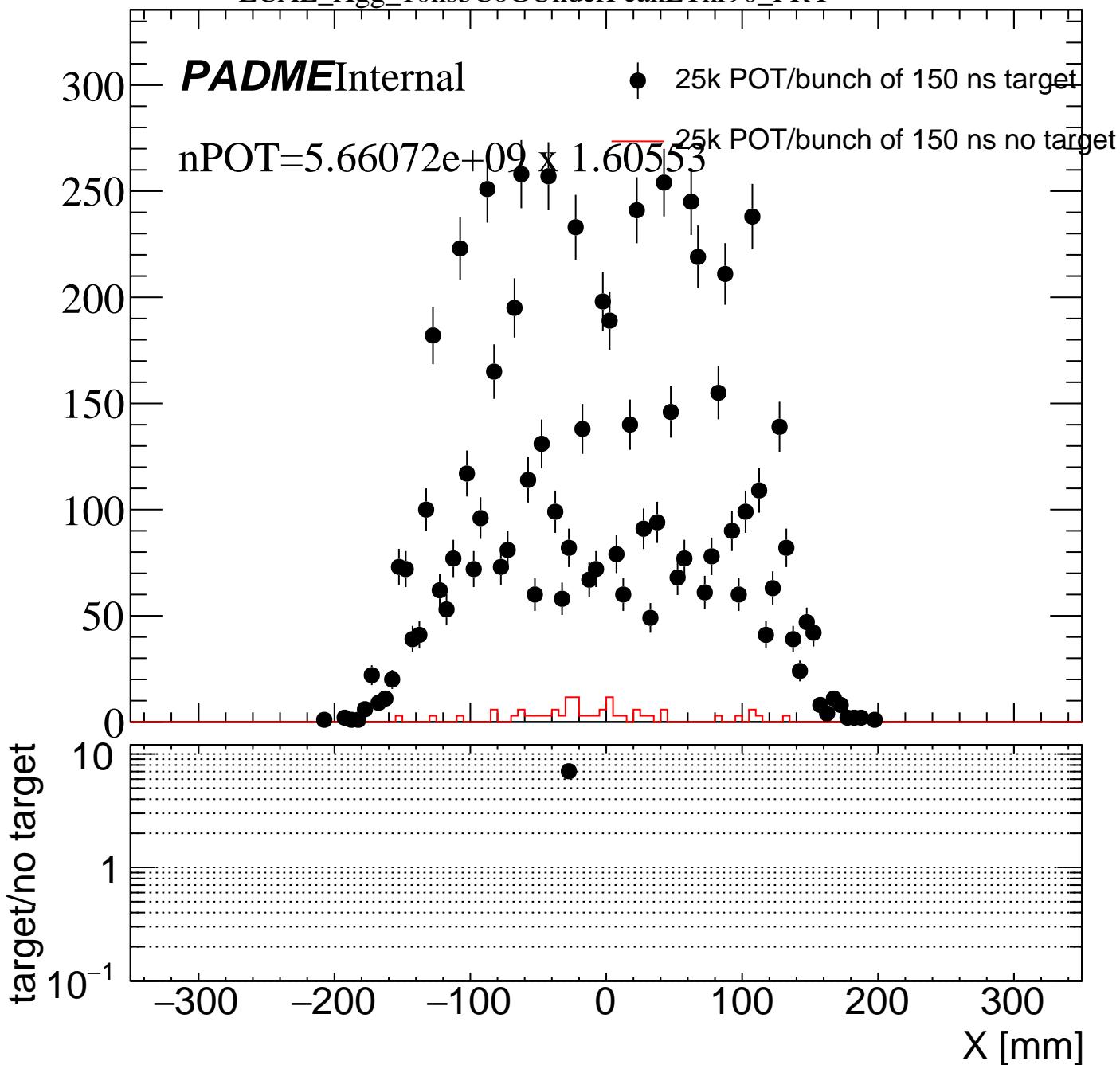
ECAL_Xgg_10ns3CoGUnderPeak

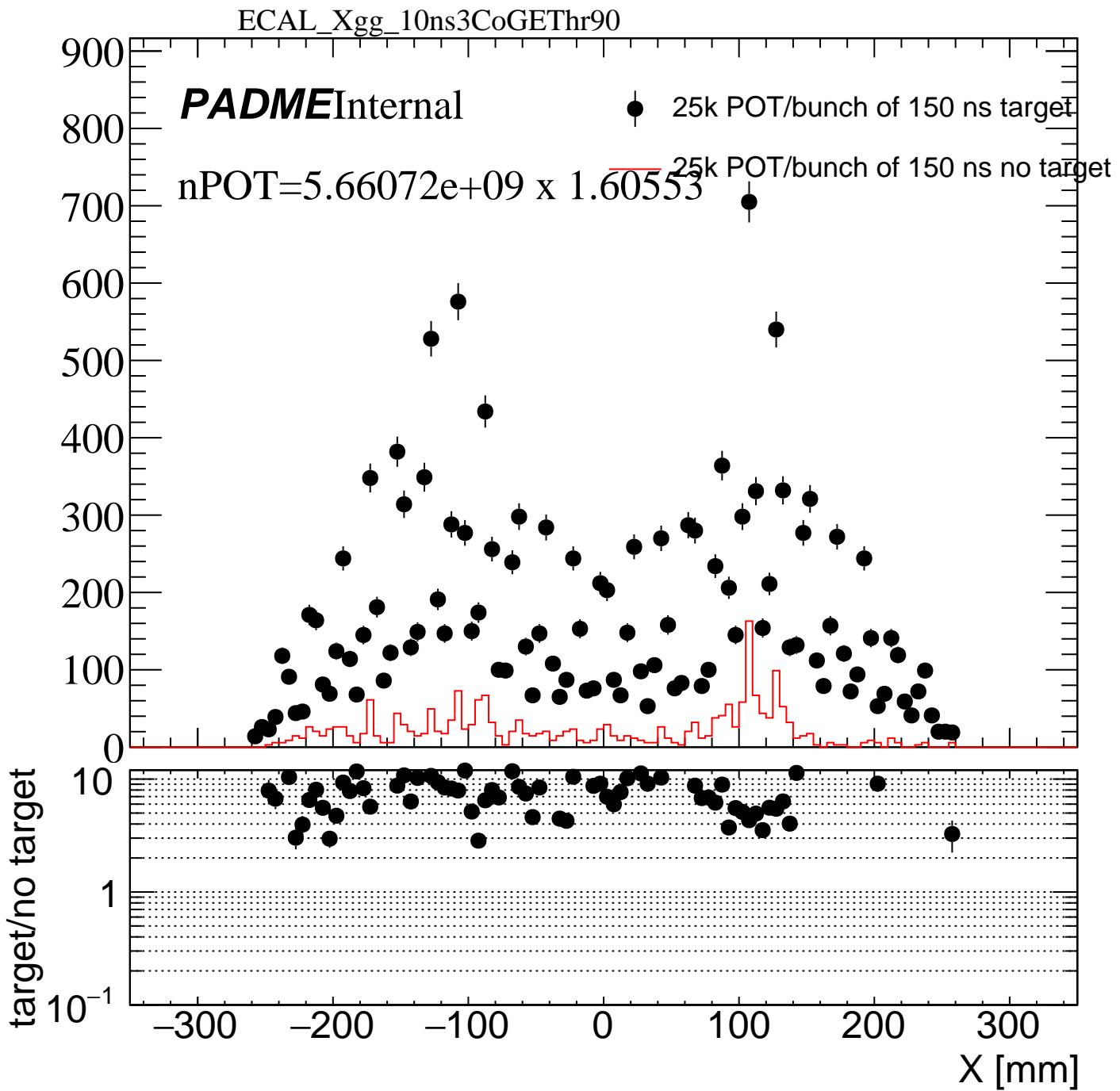


ECAL_Xgg_10ns3CoGUnderPeakEThr90

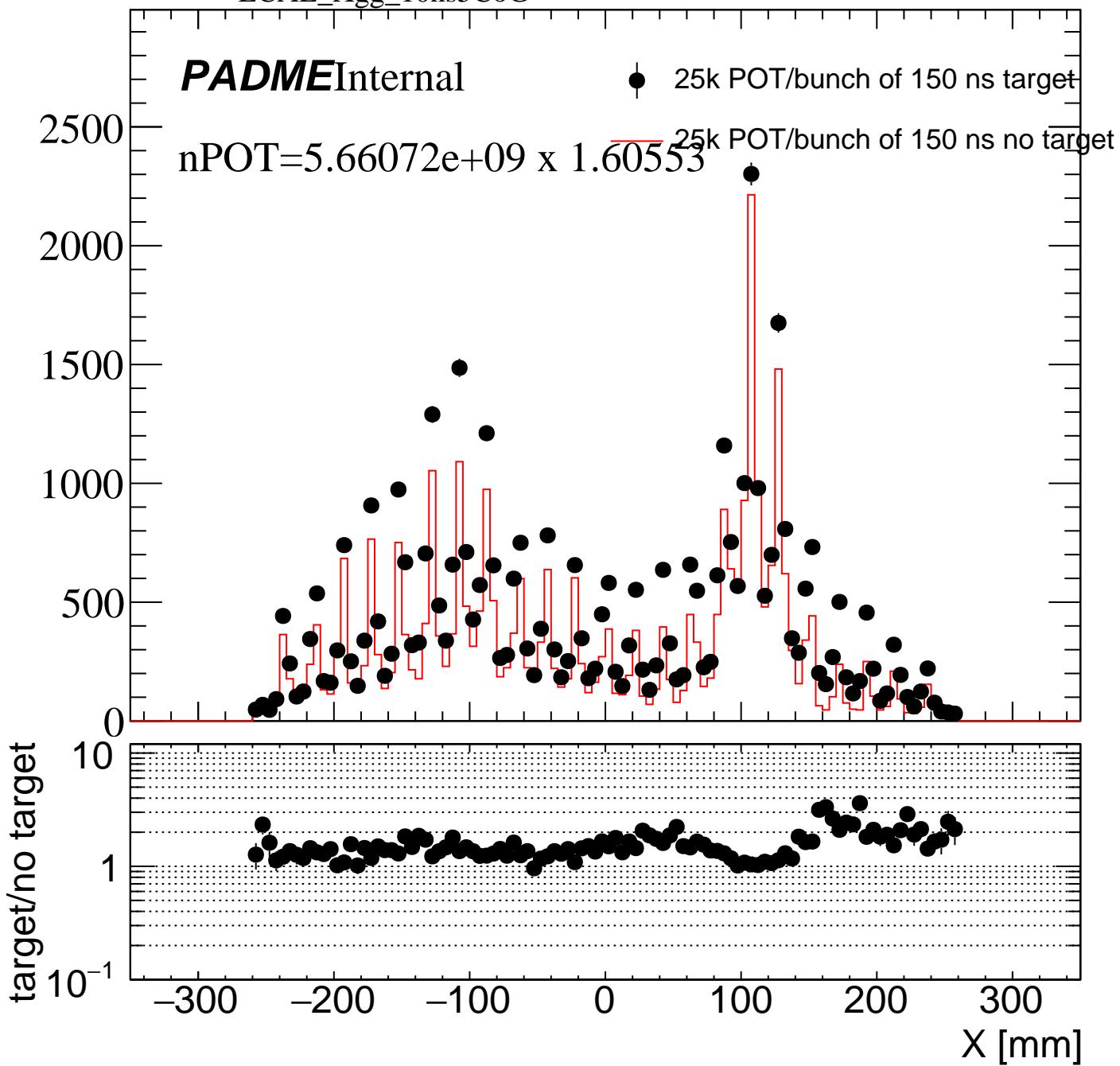


ECAL_Xgg_10ns3CoGUnderPeakEThr90_FRY

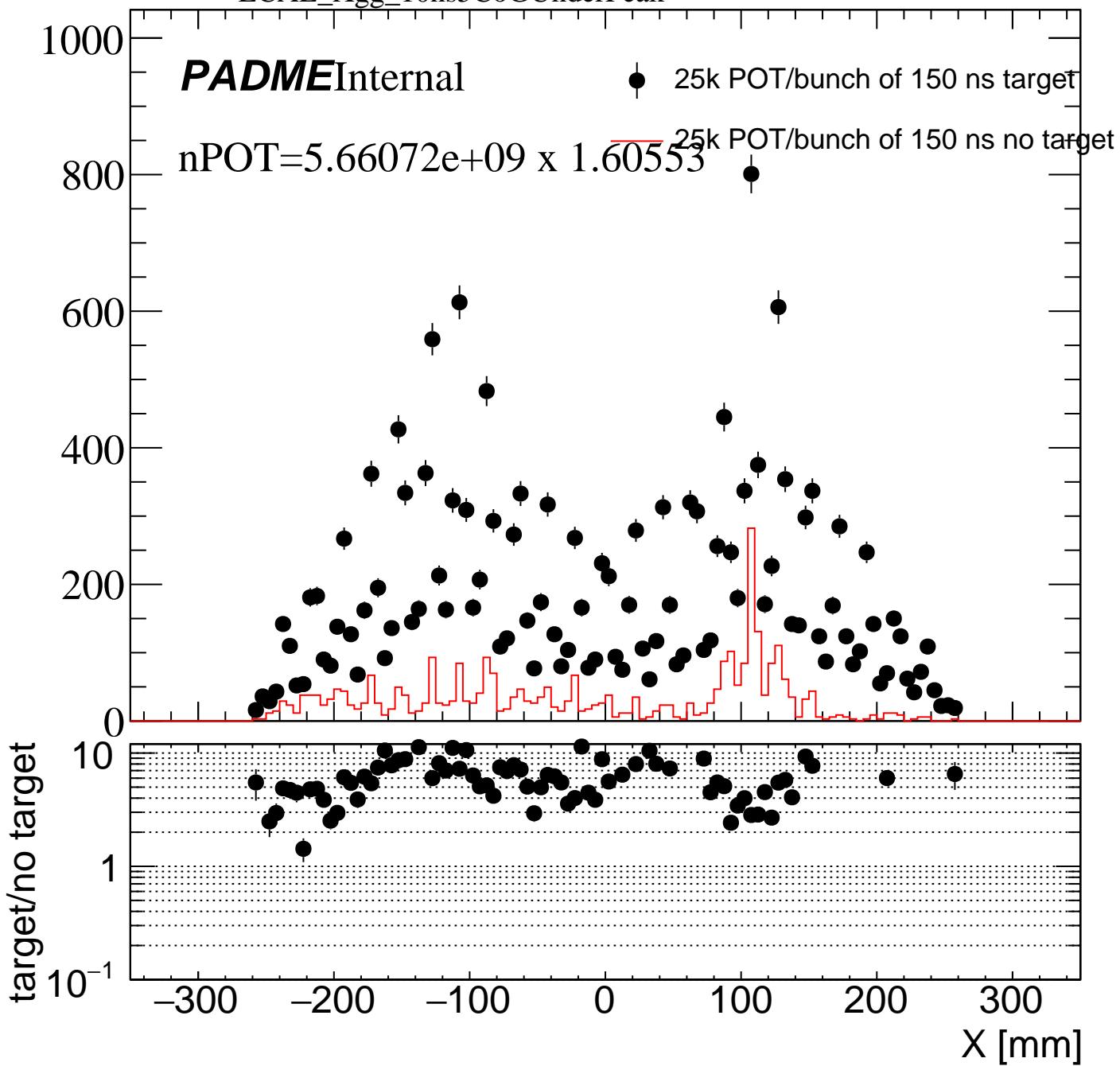




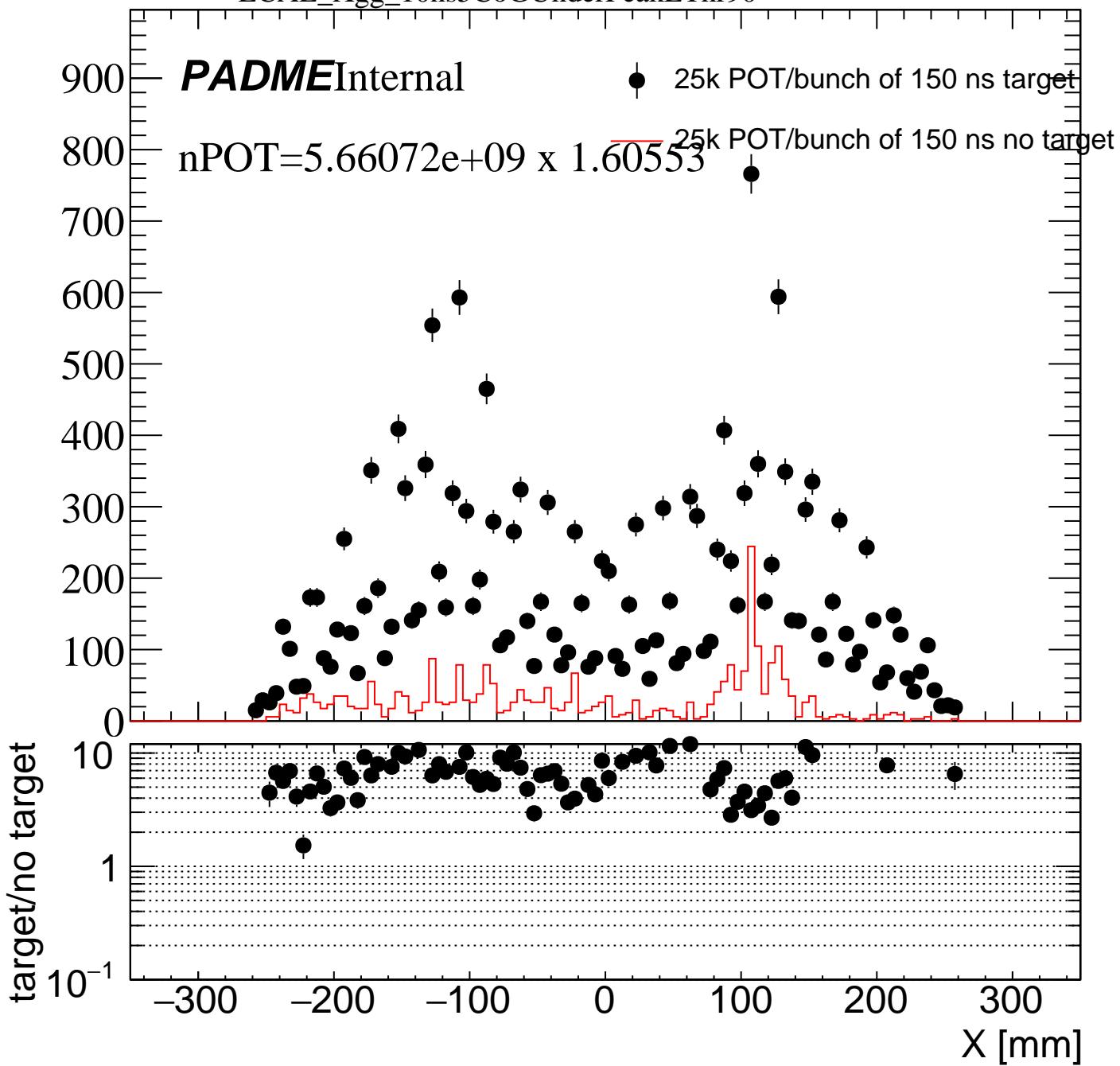
ECAL_Xgg_10ns5CoG



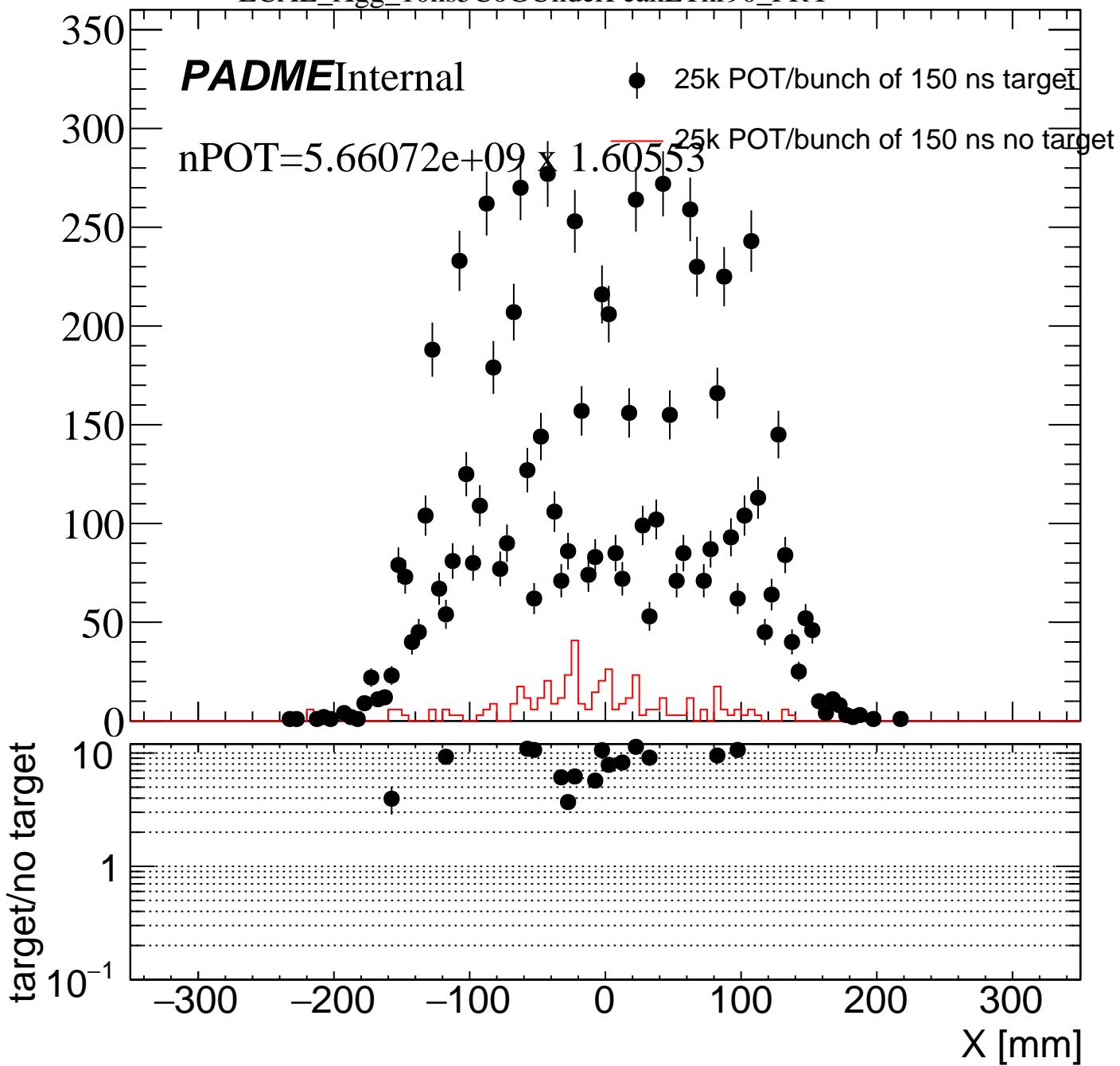
ECAL_Xgg_10ns5CoGUnderPeak



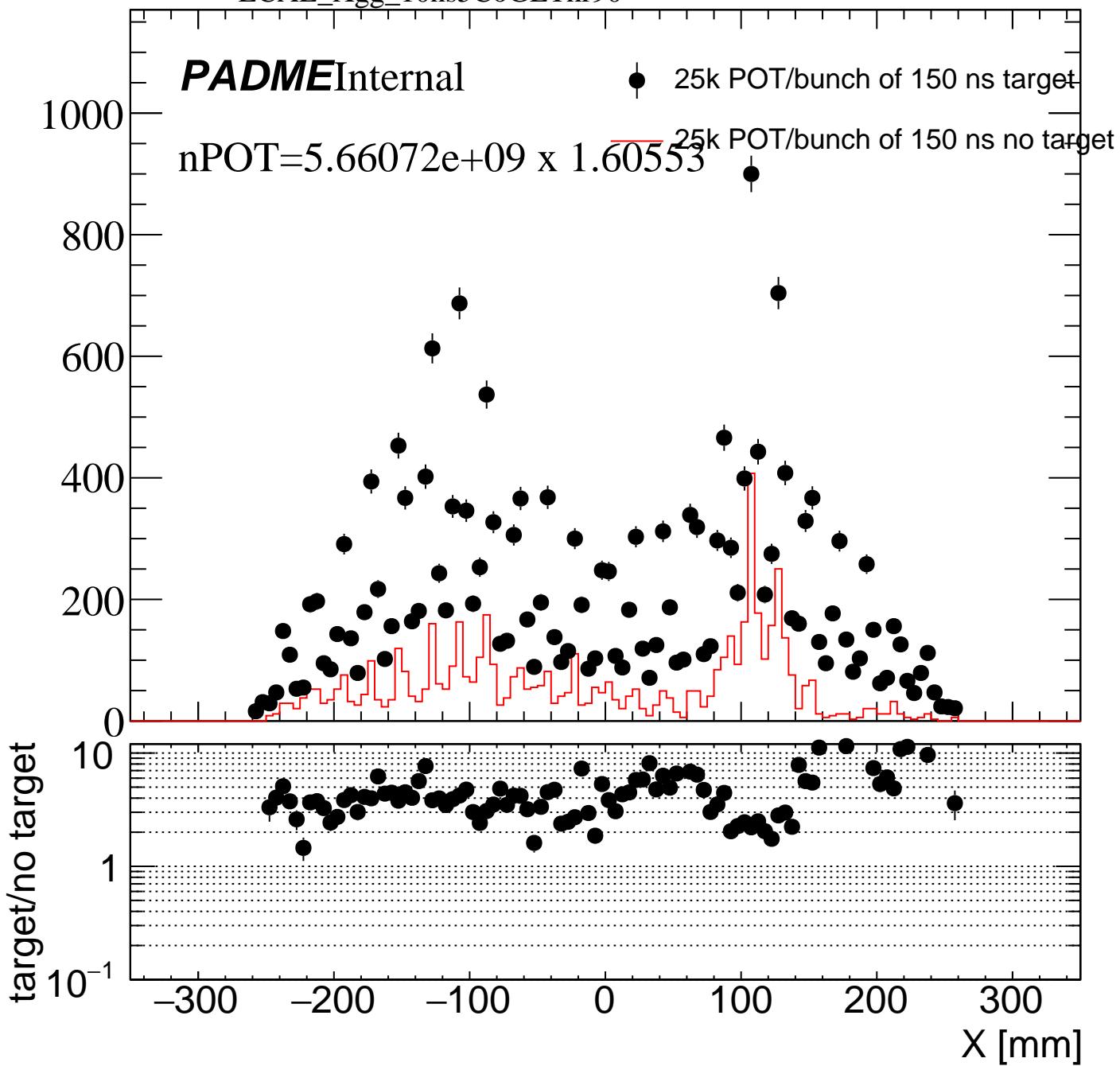
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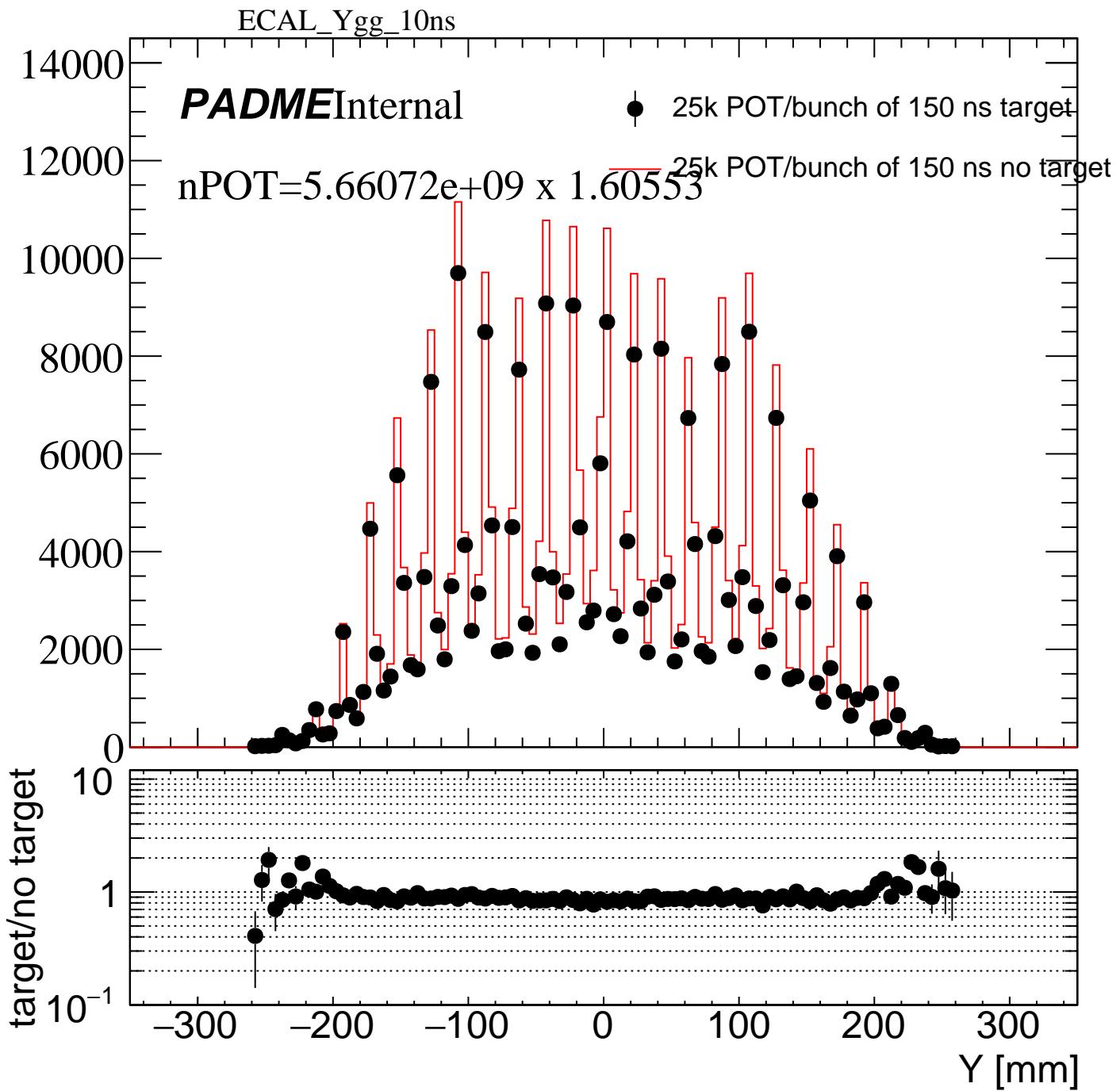


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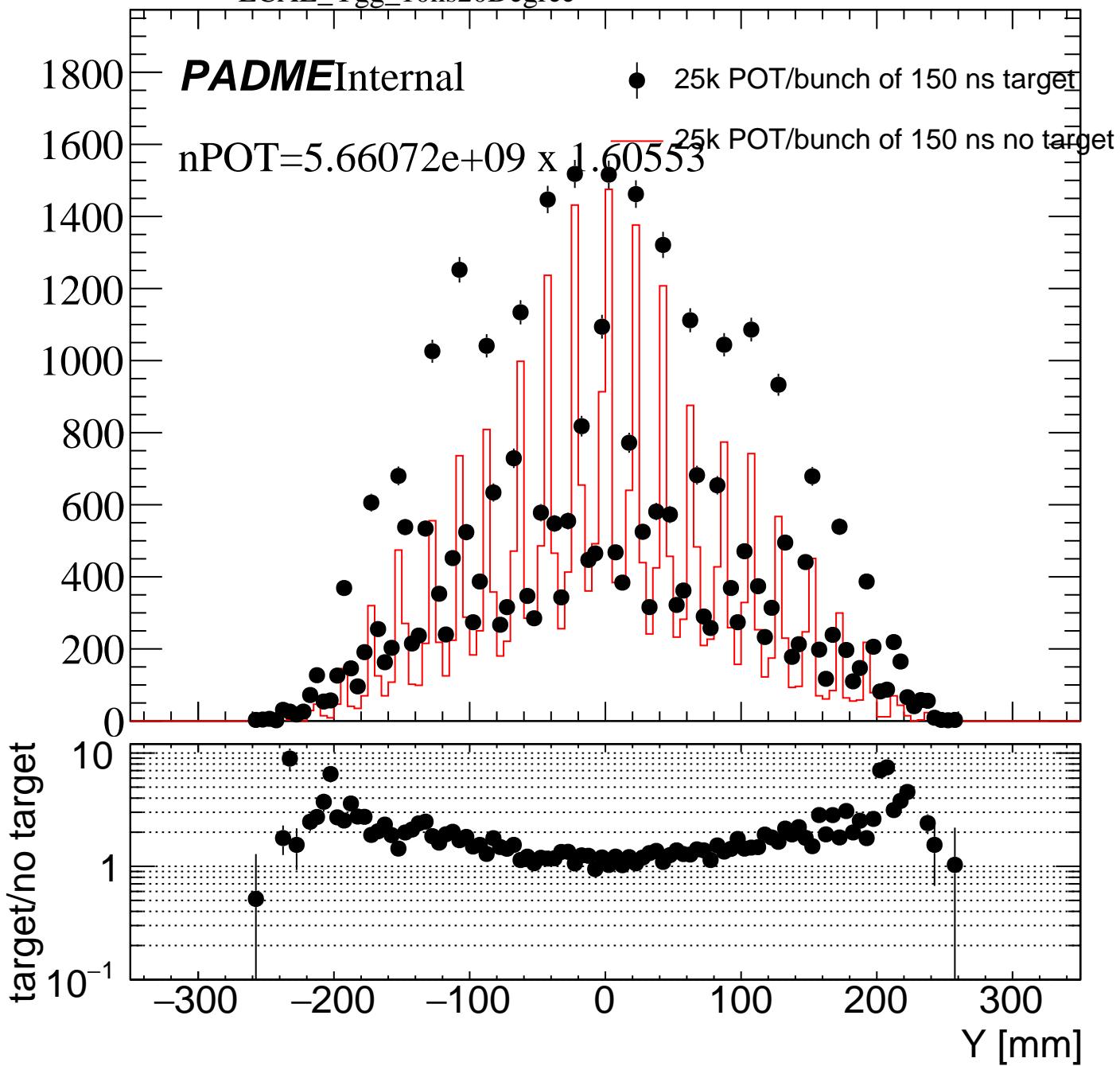


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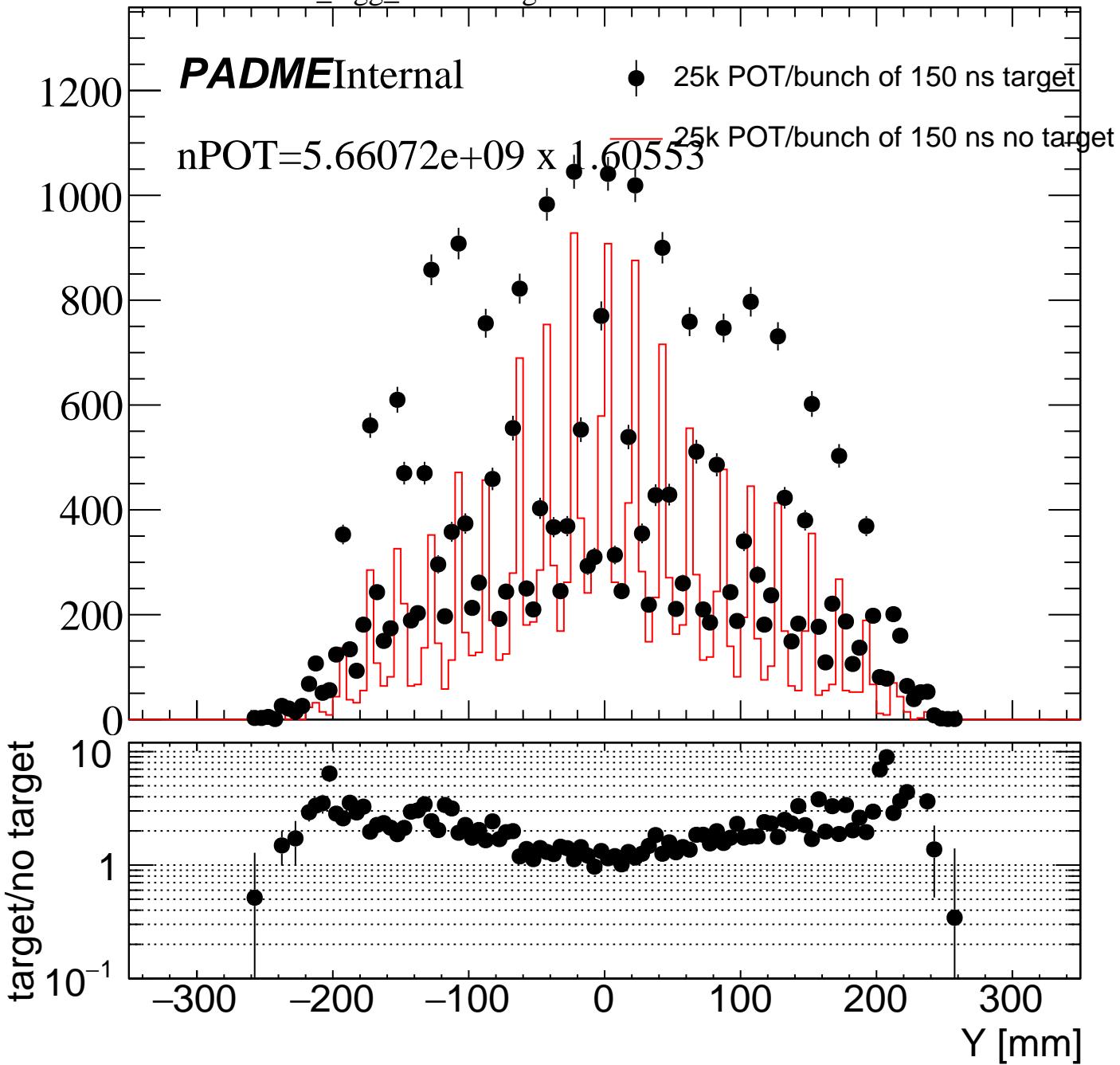




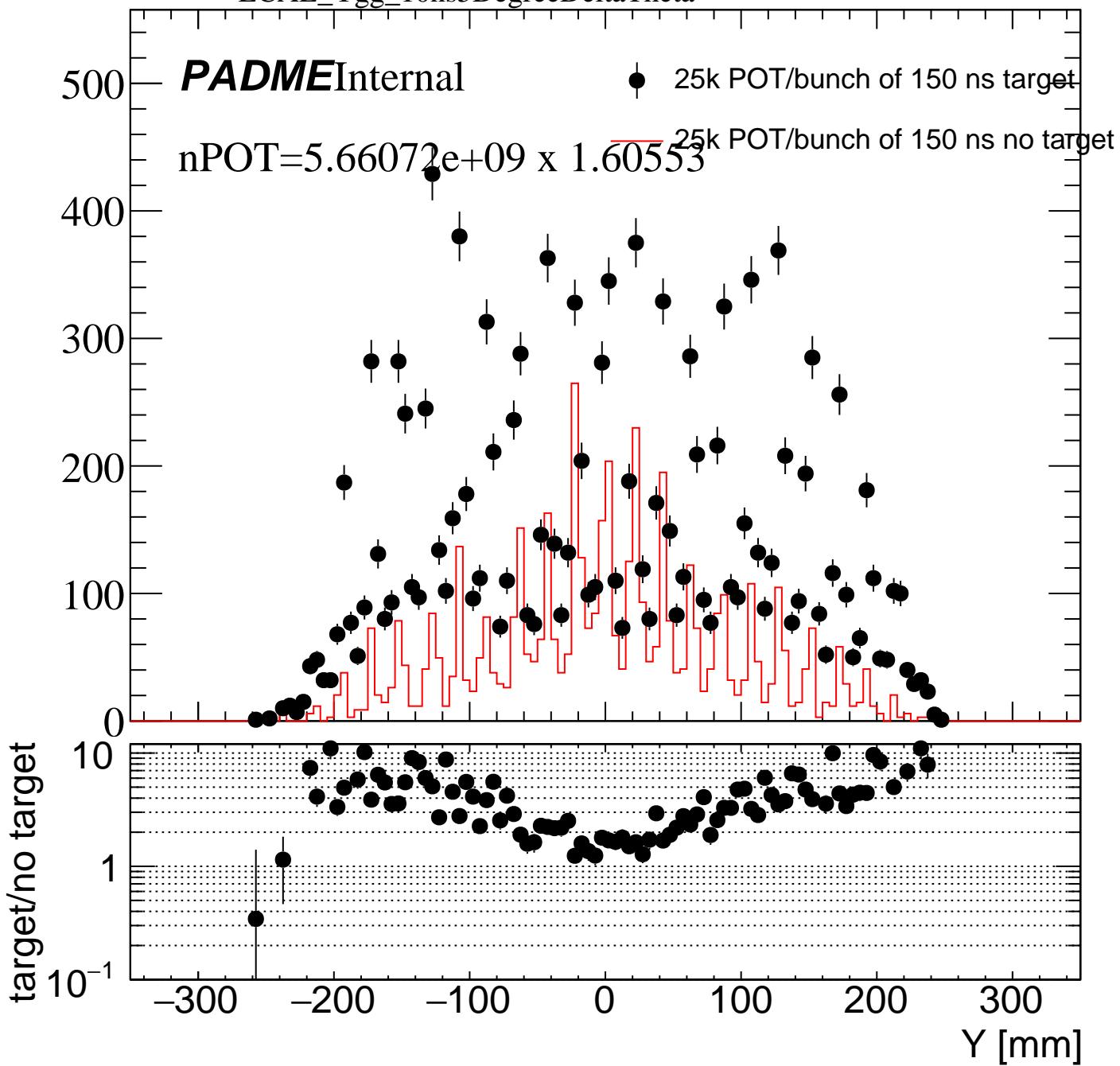
ECAL_Ygg_10ns20Degree



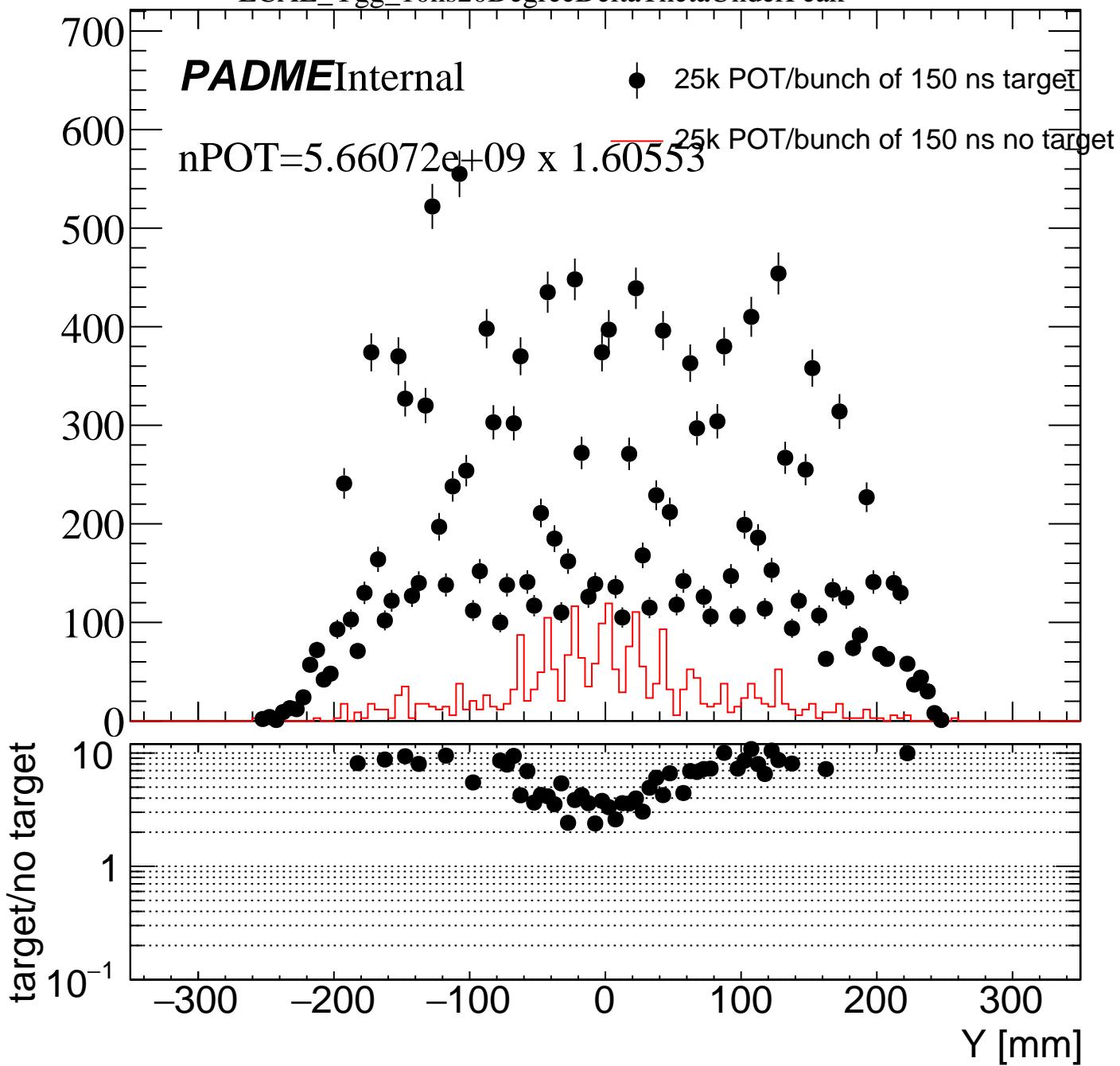
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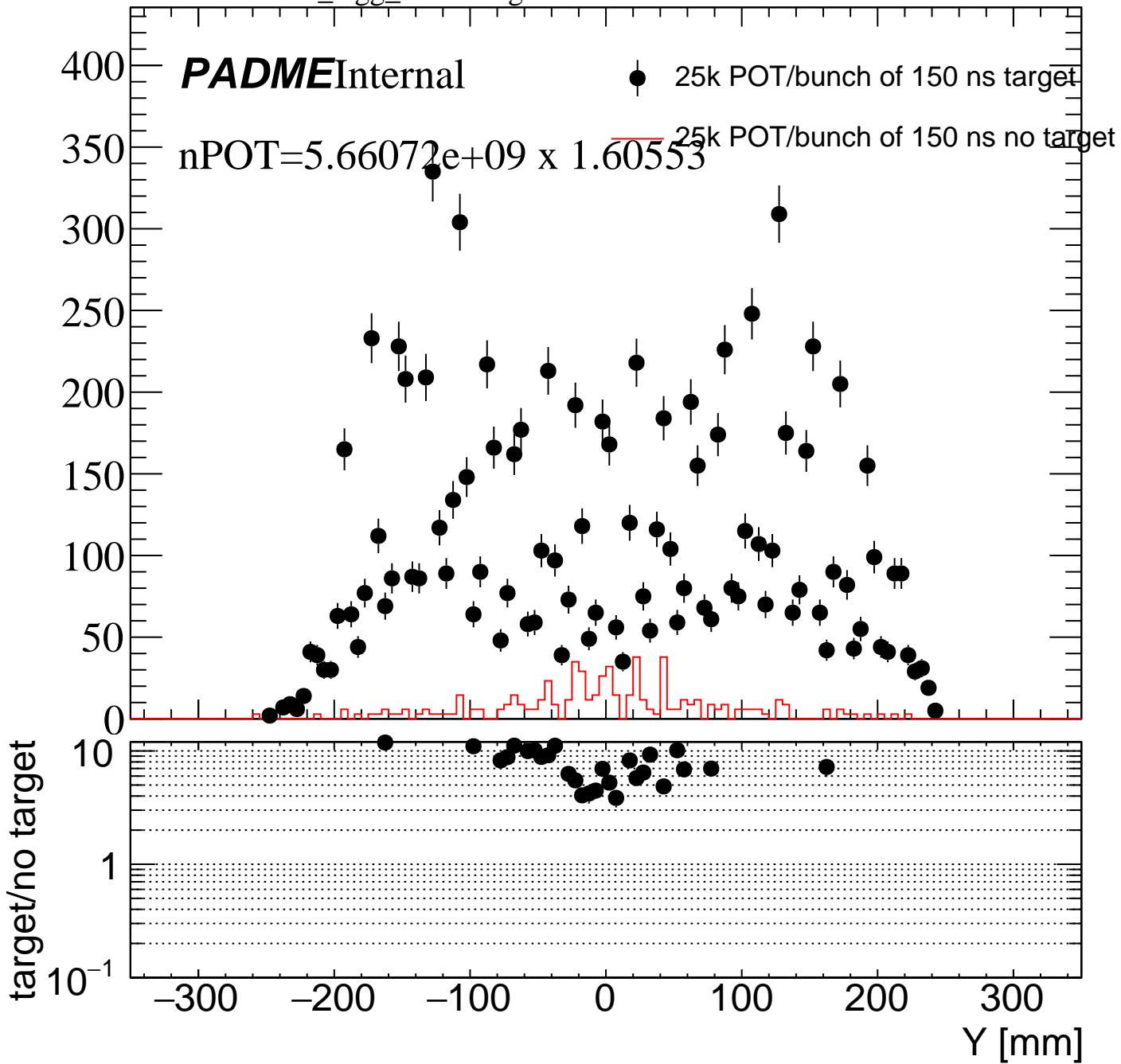
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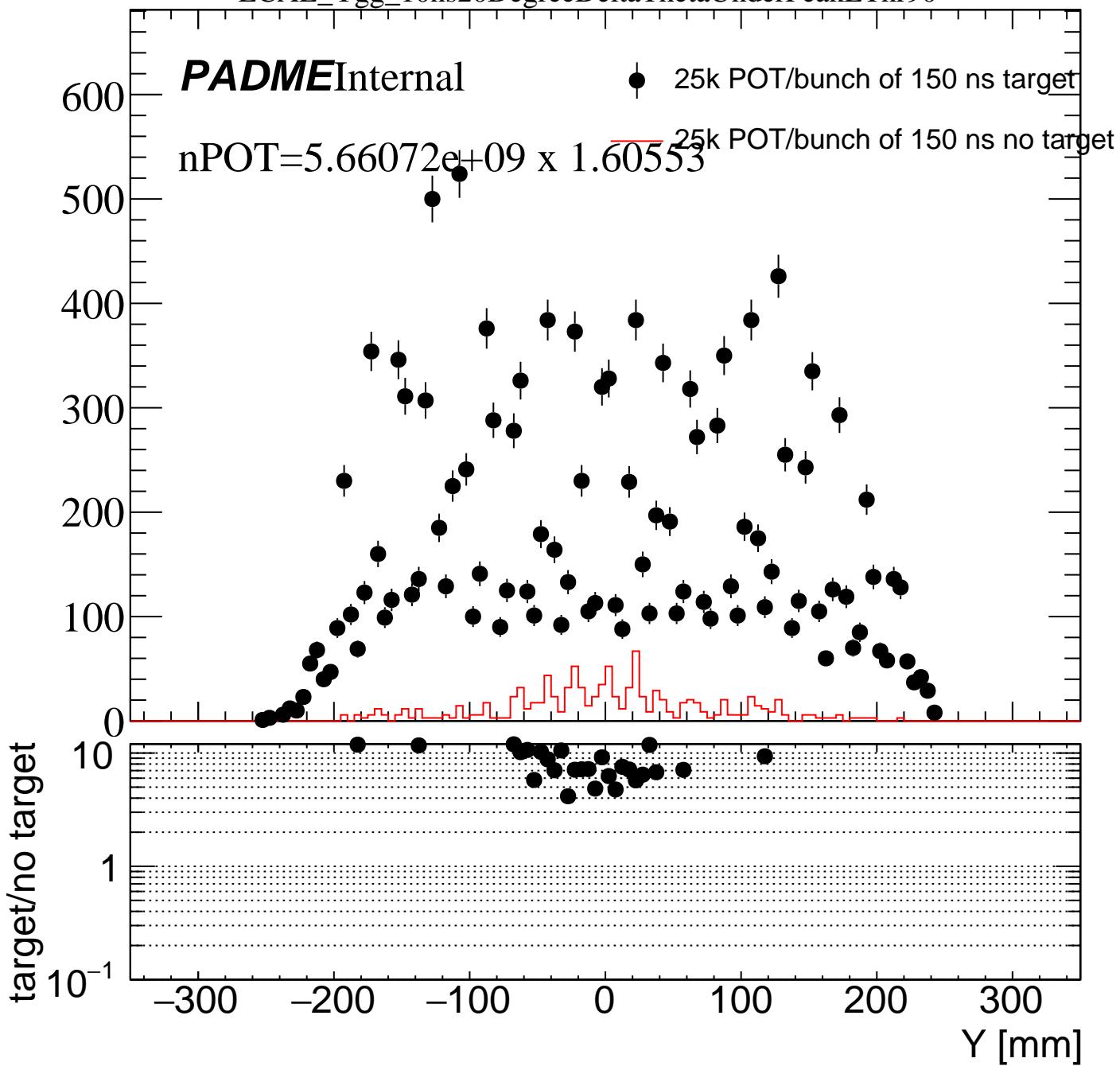
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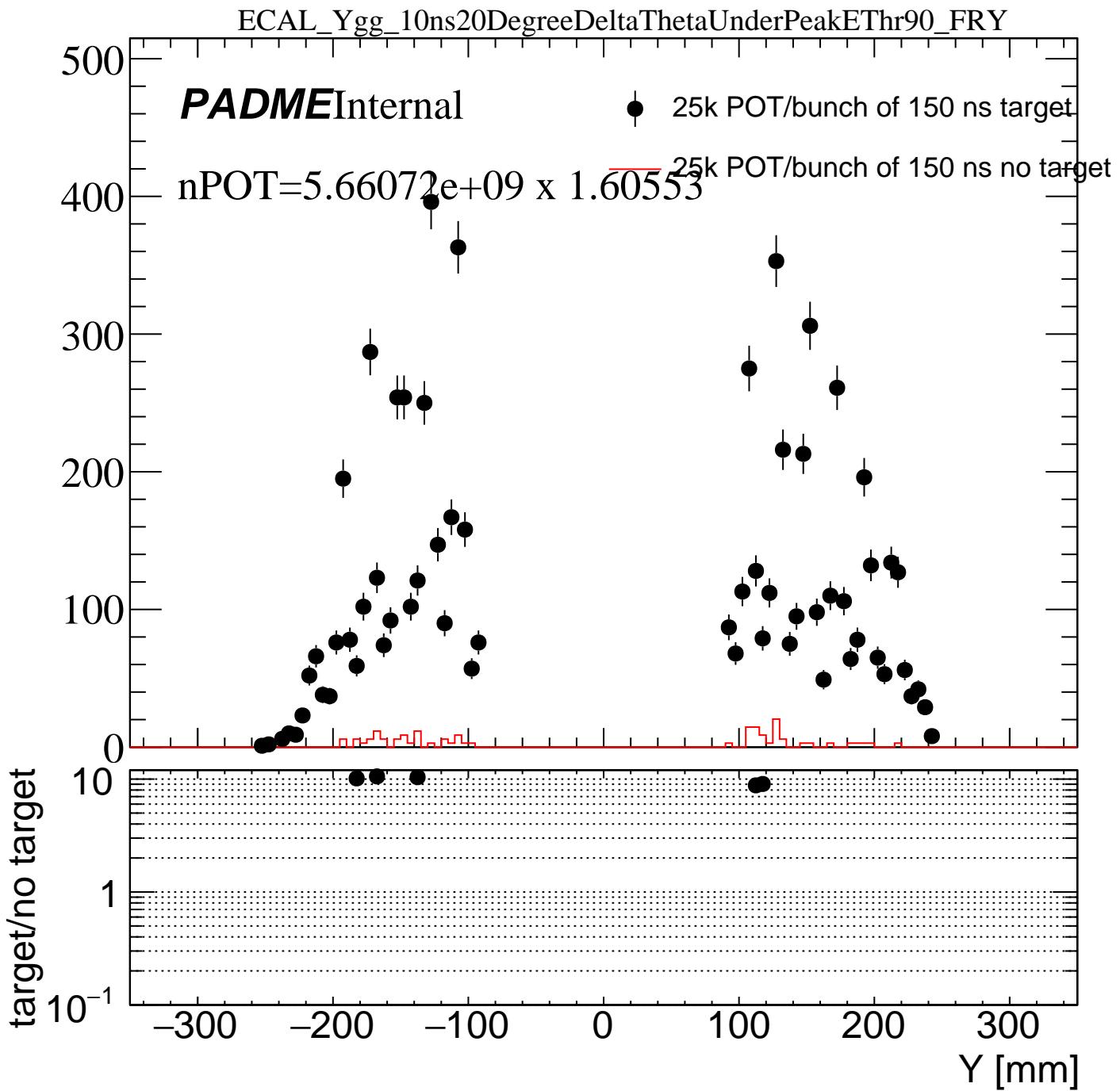


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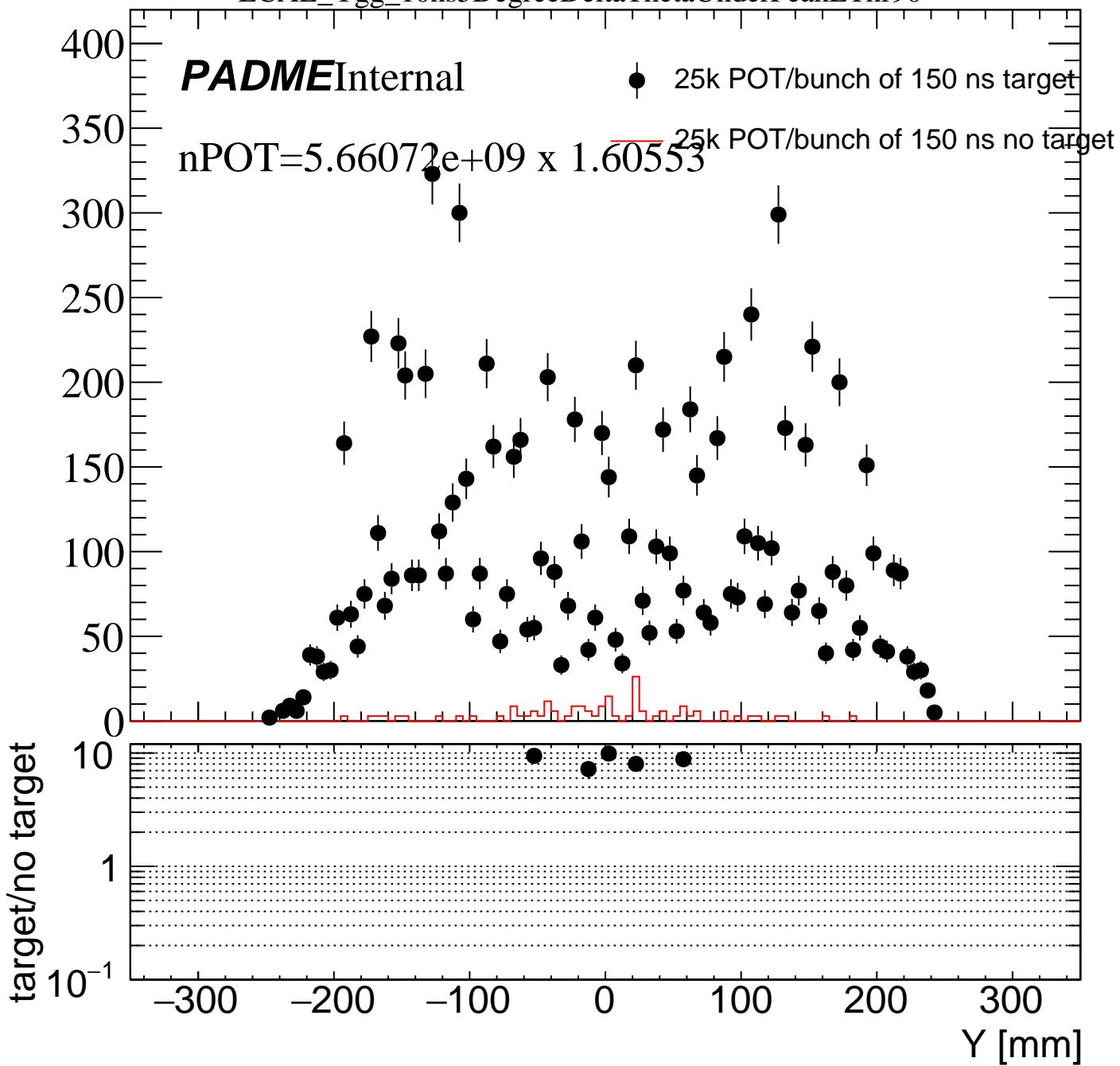


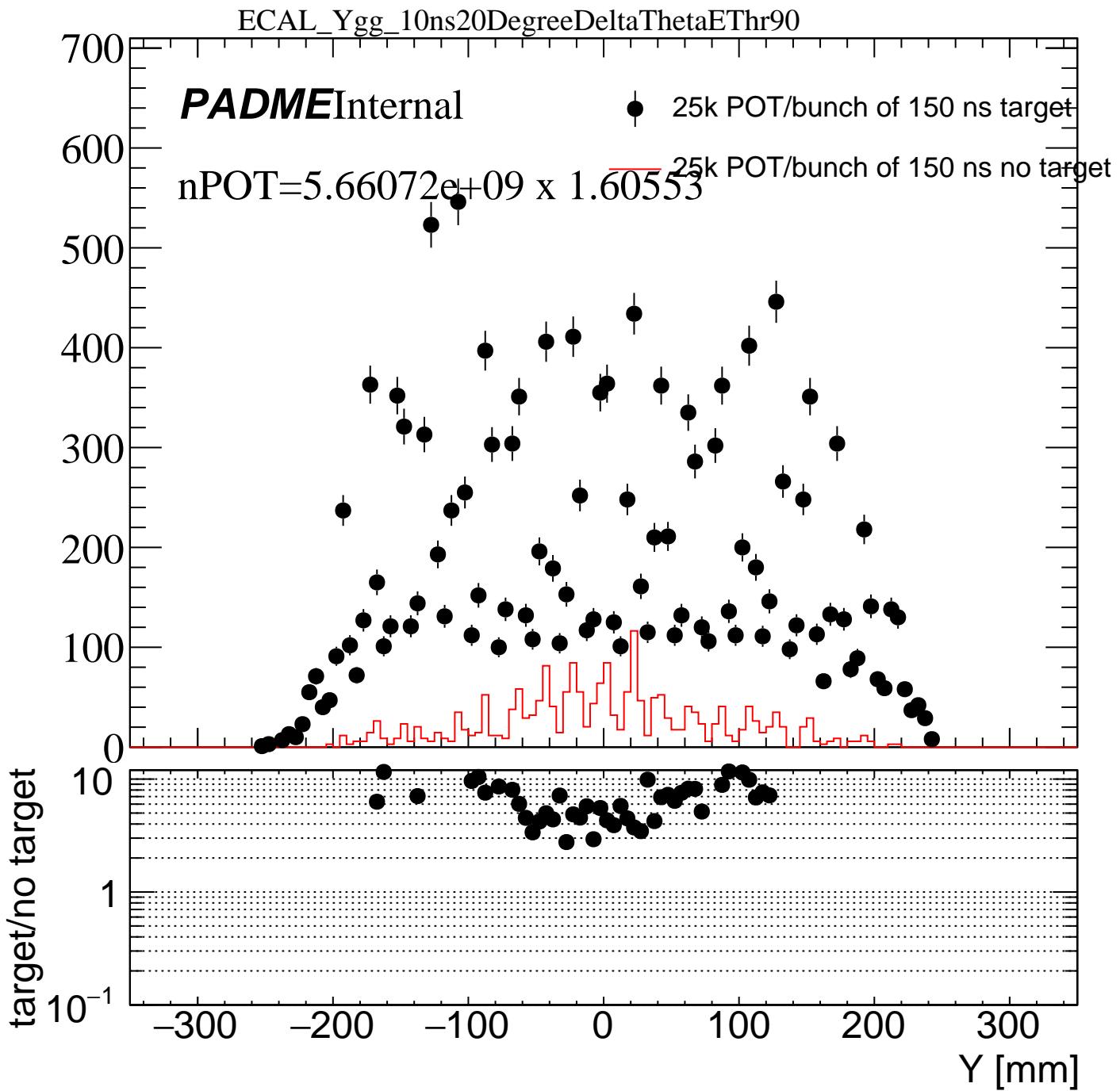
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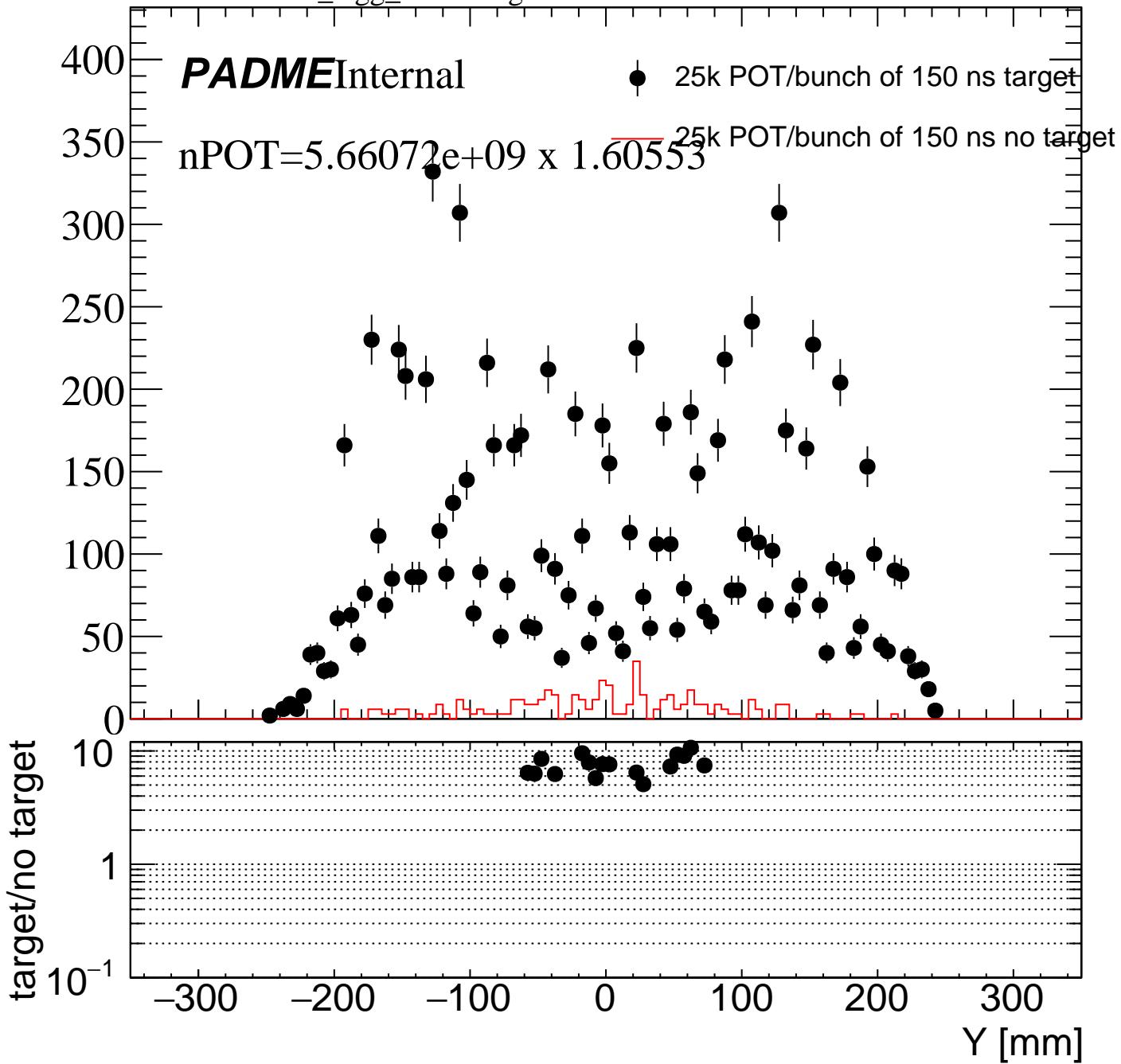


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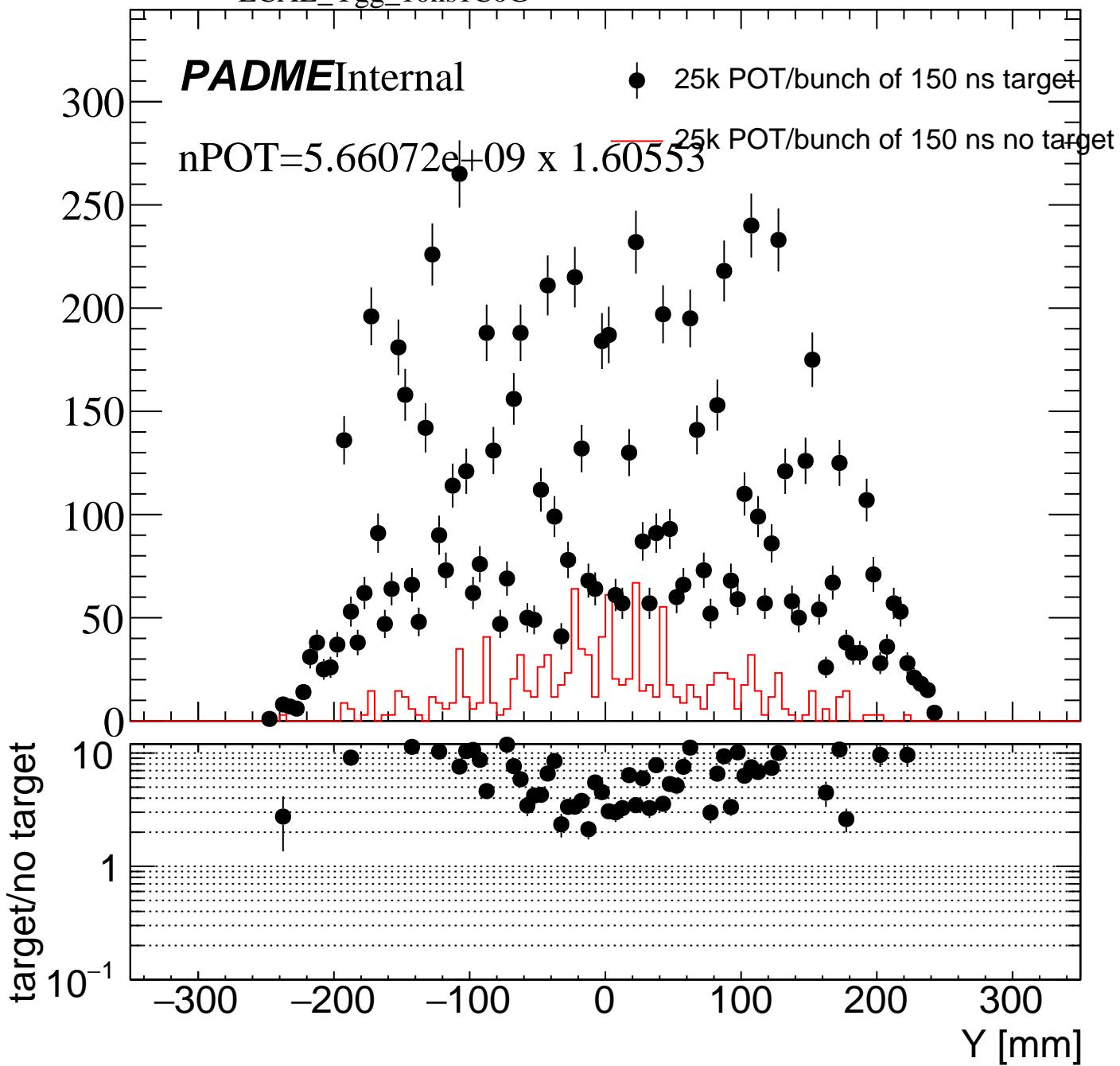


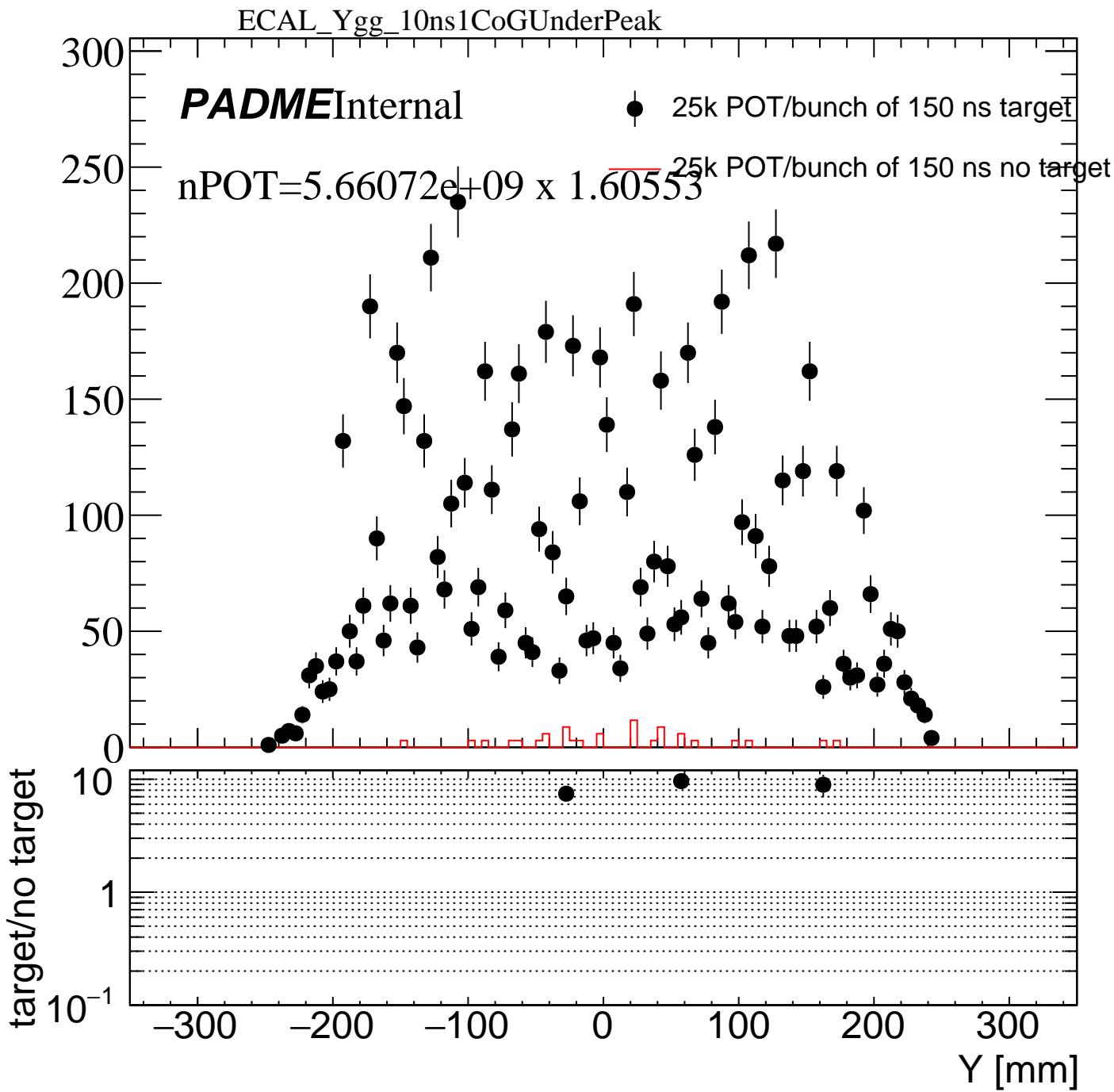


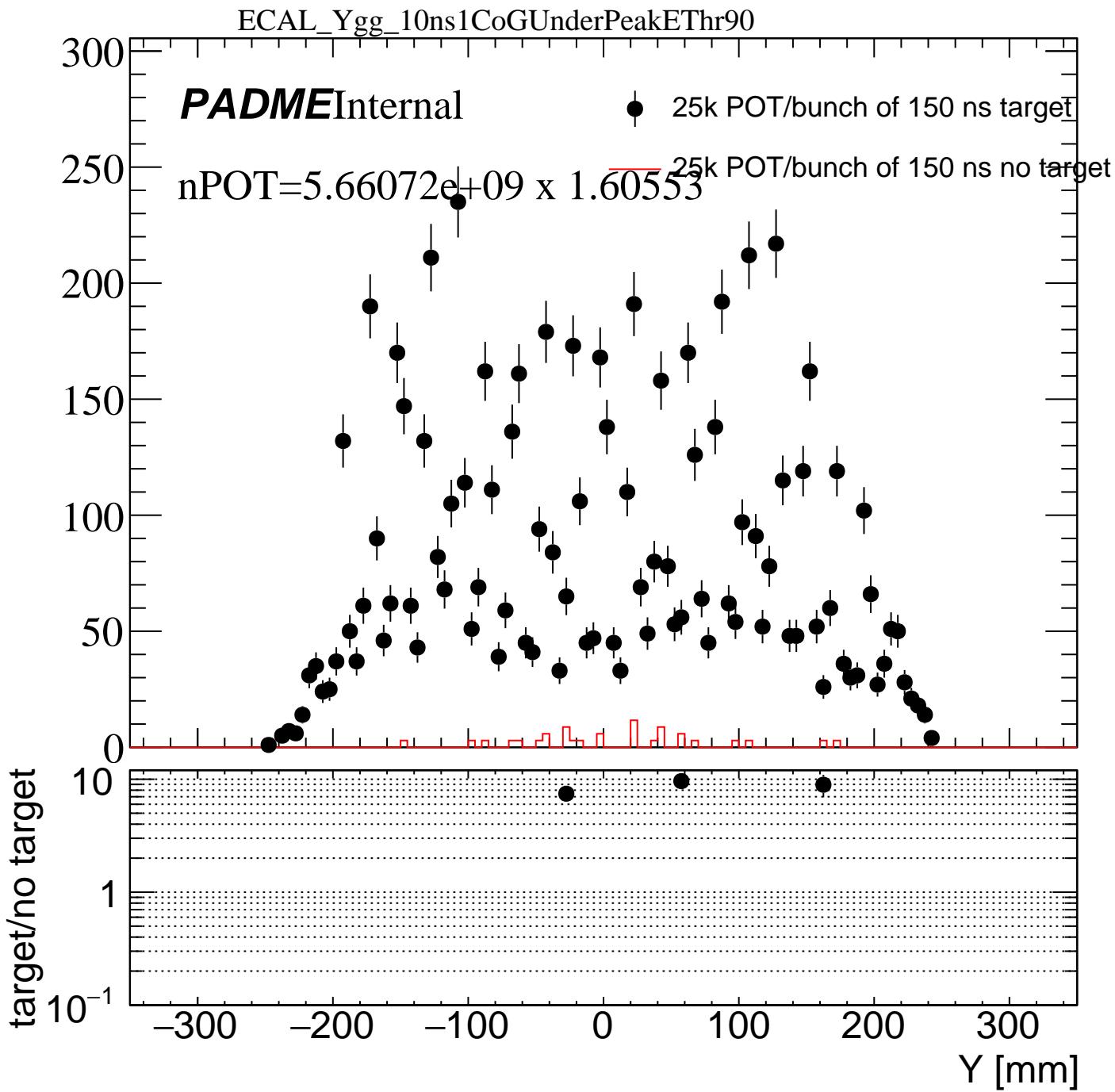
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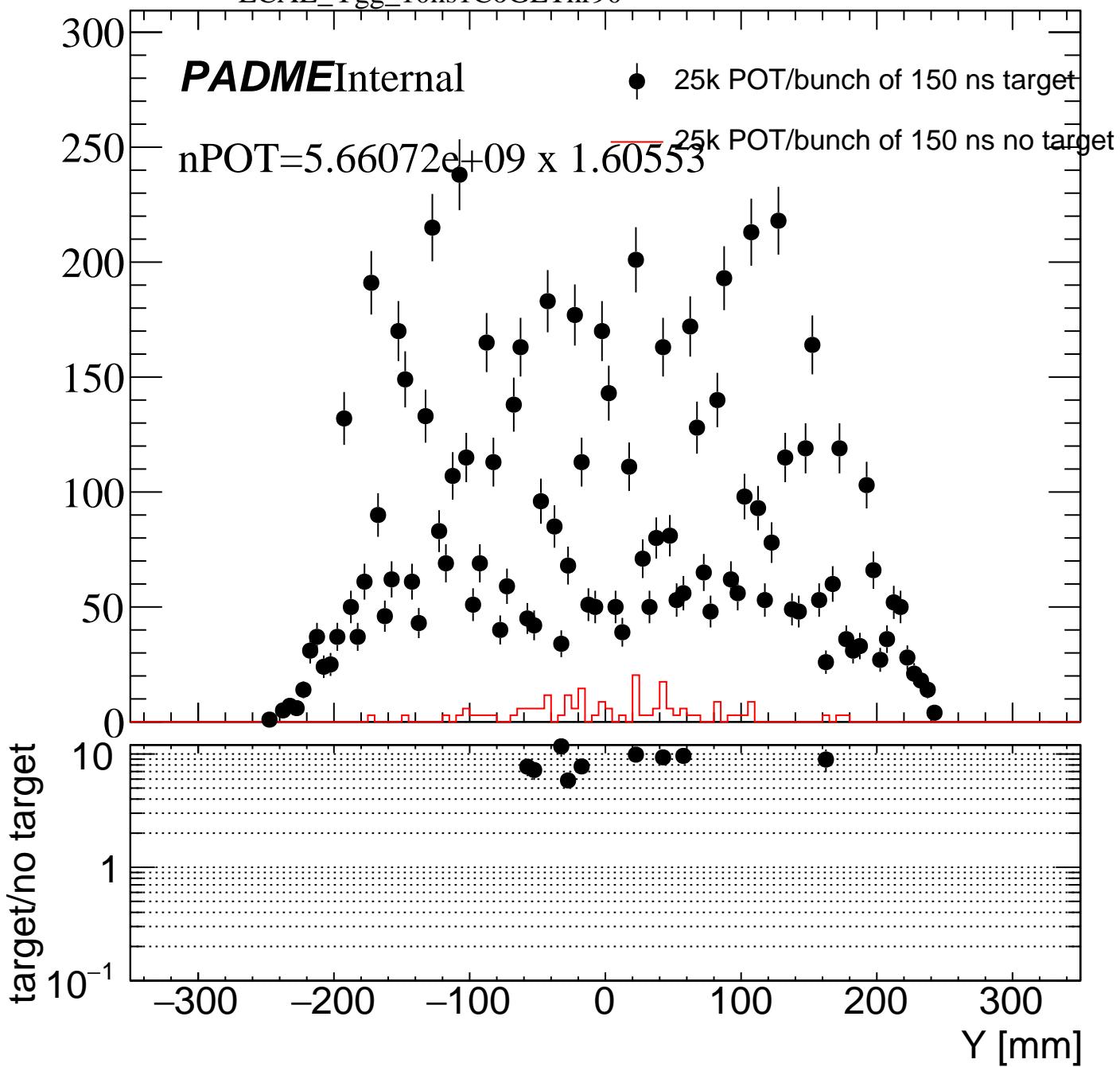
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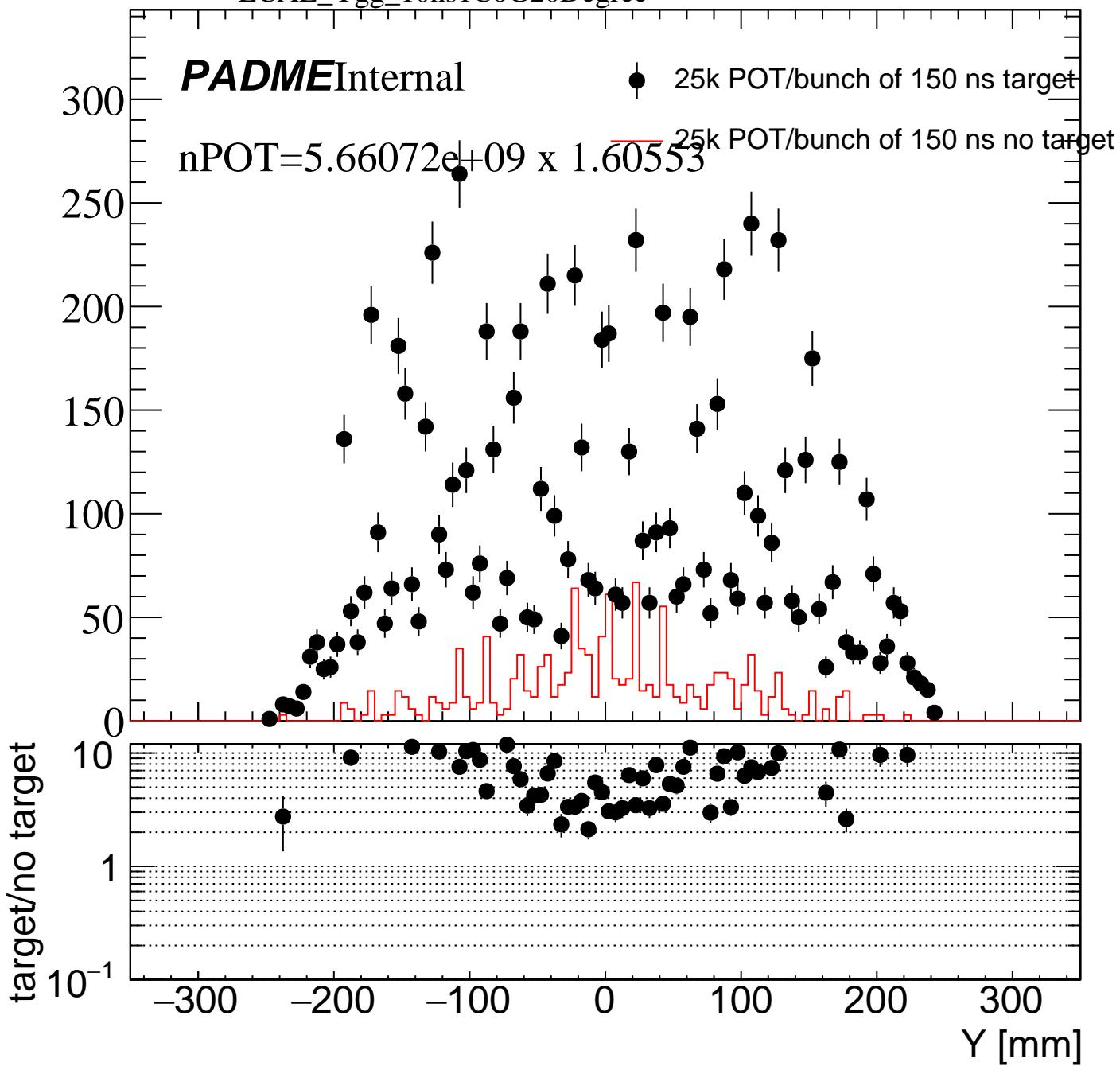




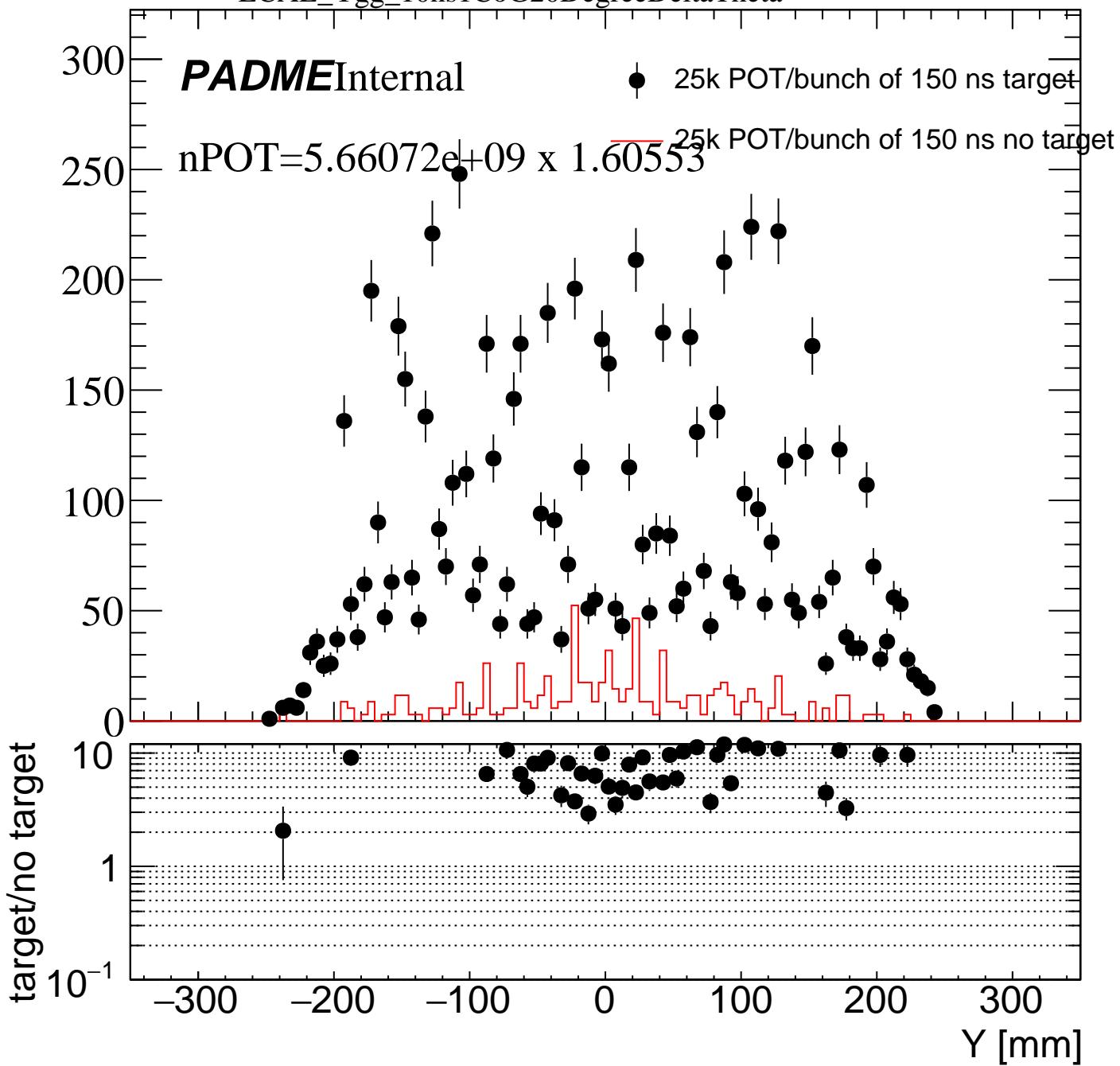
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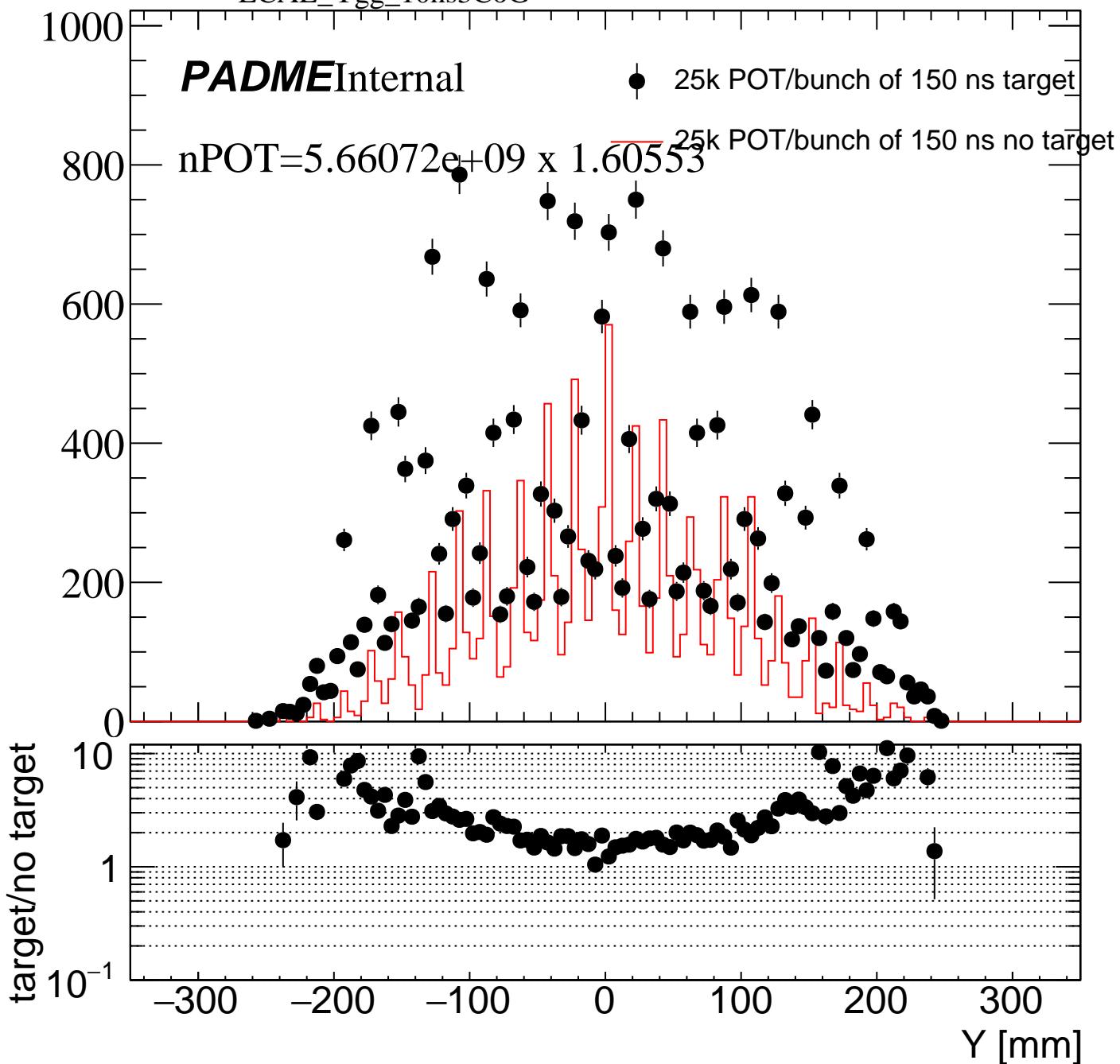
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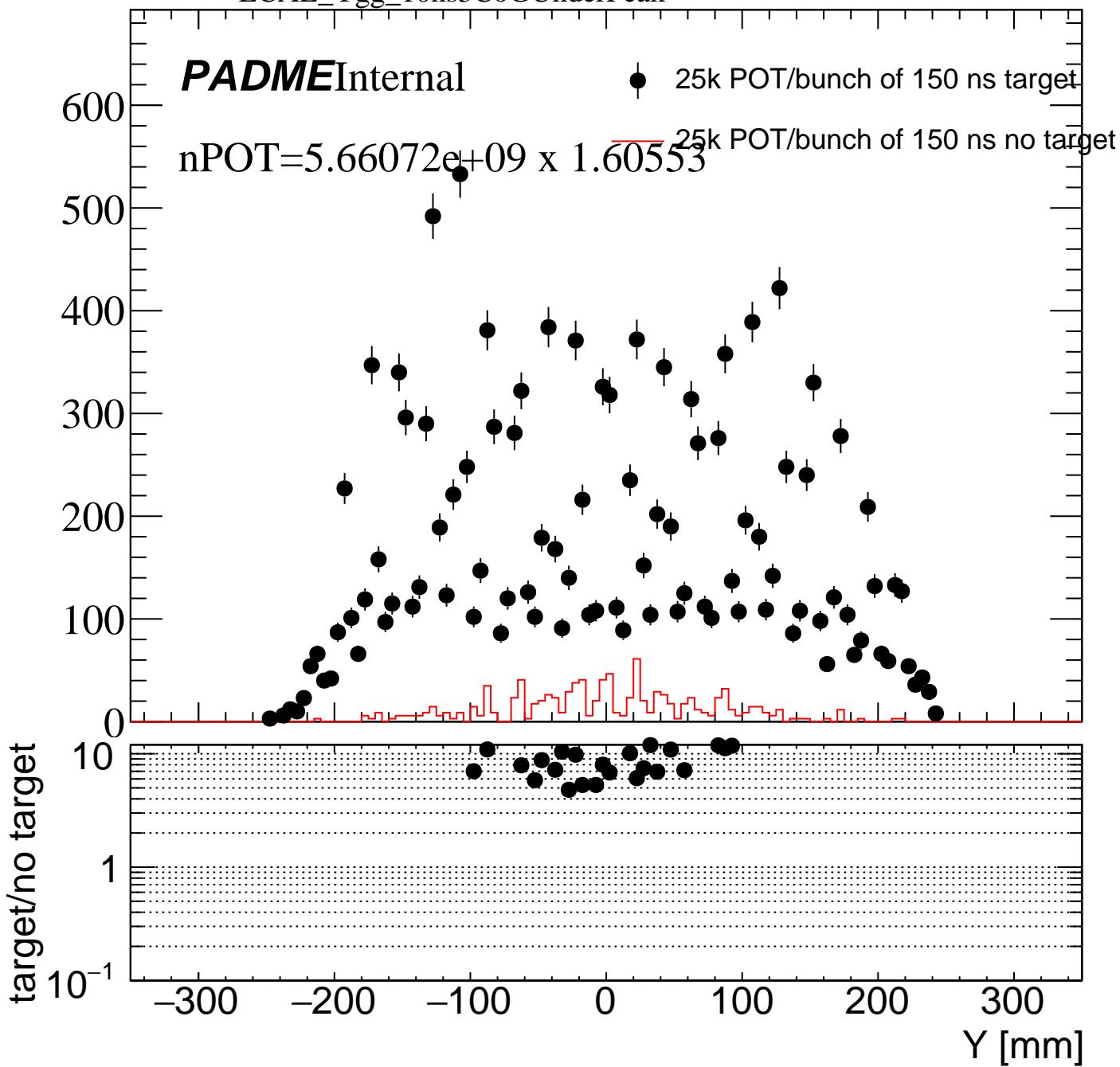
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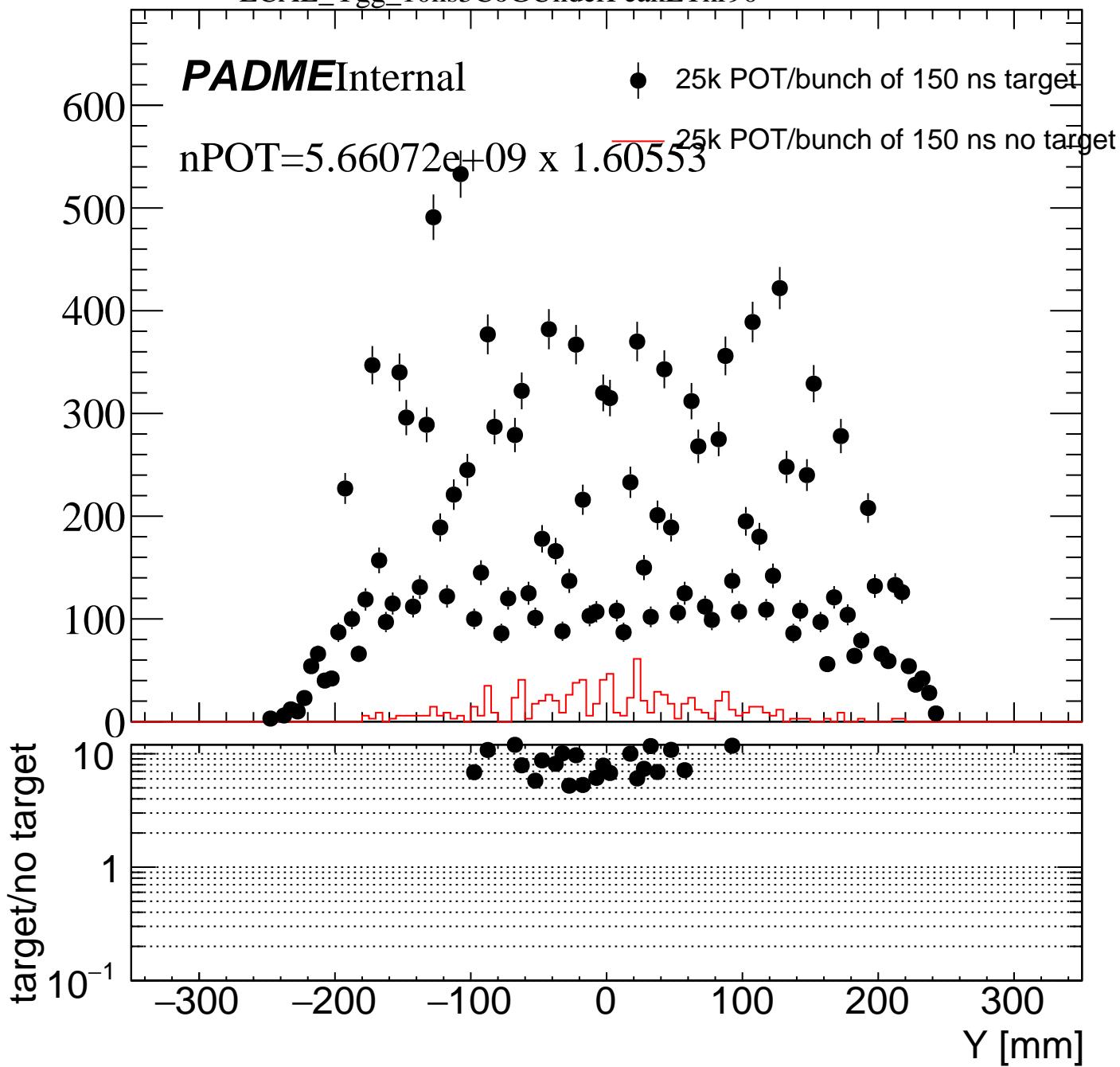
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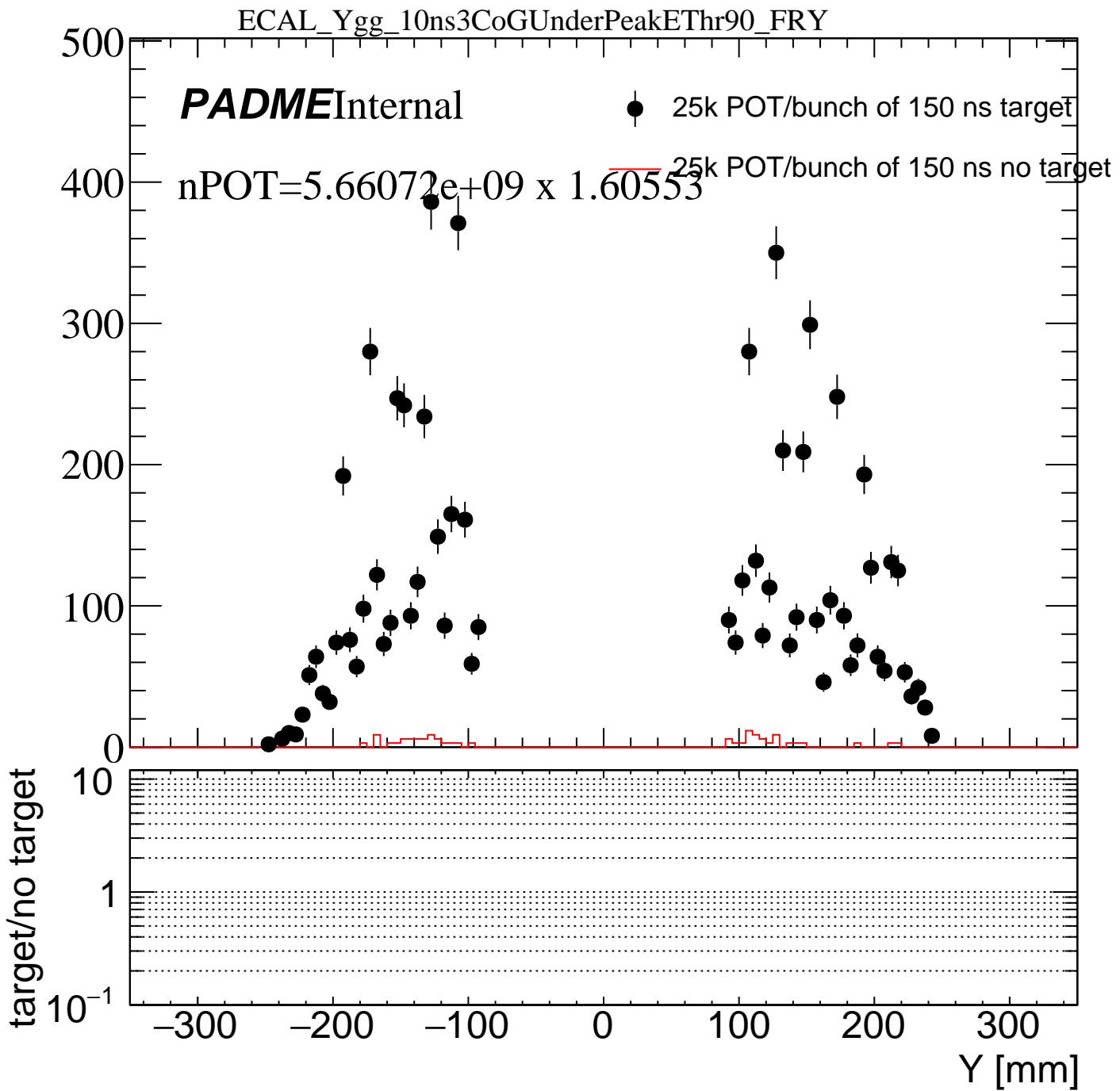


ECAL_Ygg_10ns3CoGUnderPeak

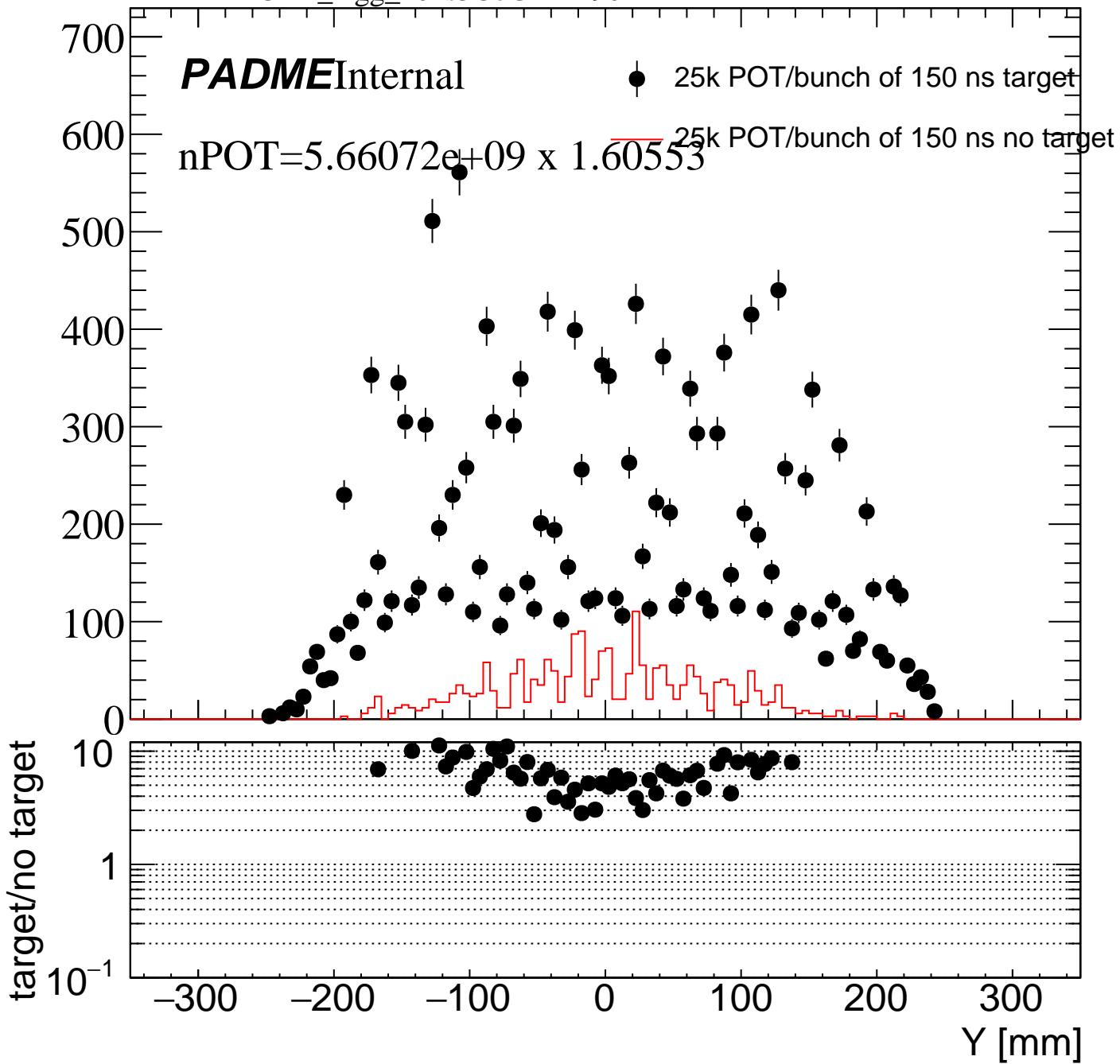


ECAL_Ygg_10ns3CoGUnderPeakETHr90

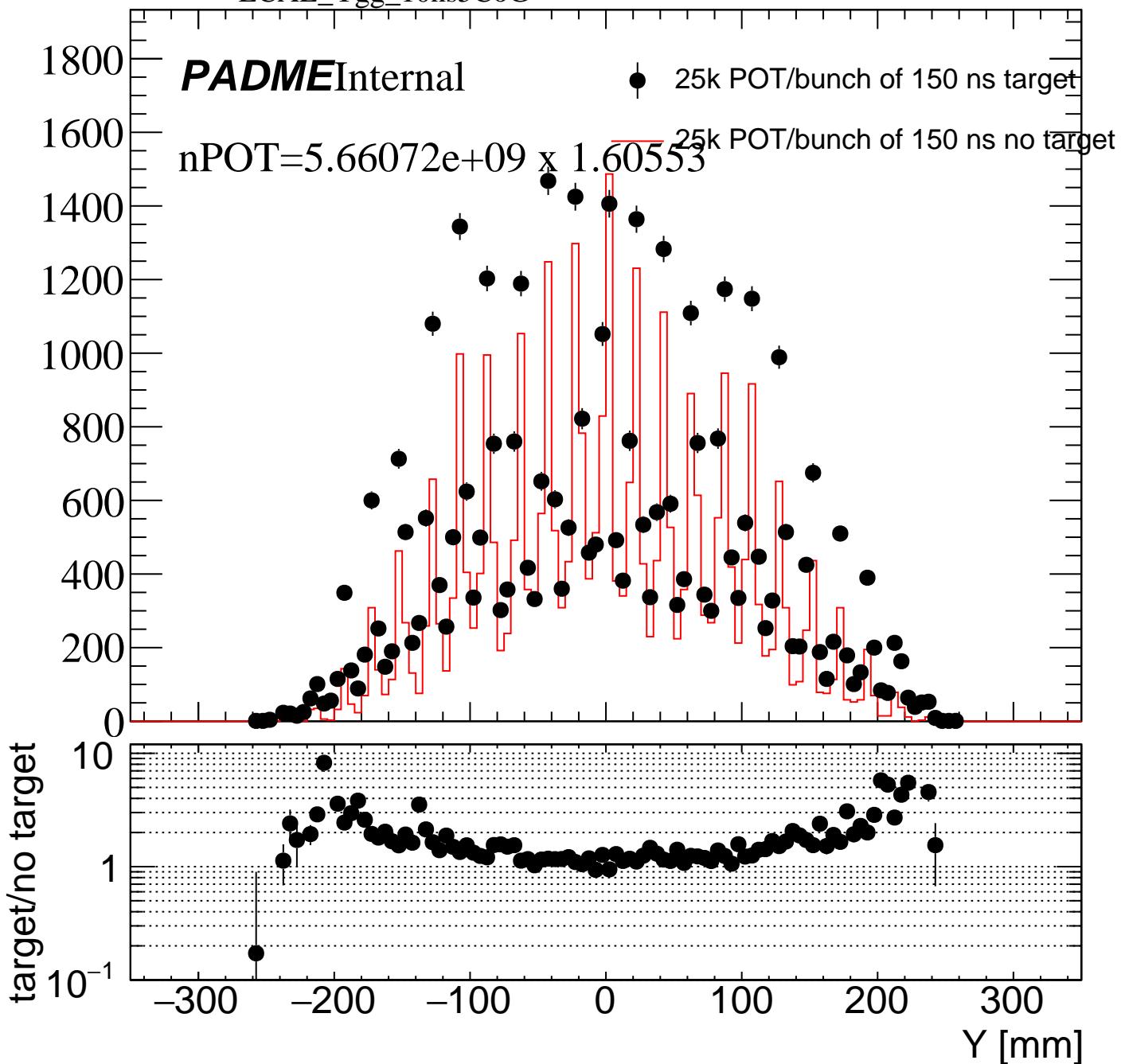




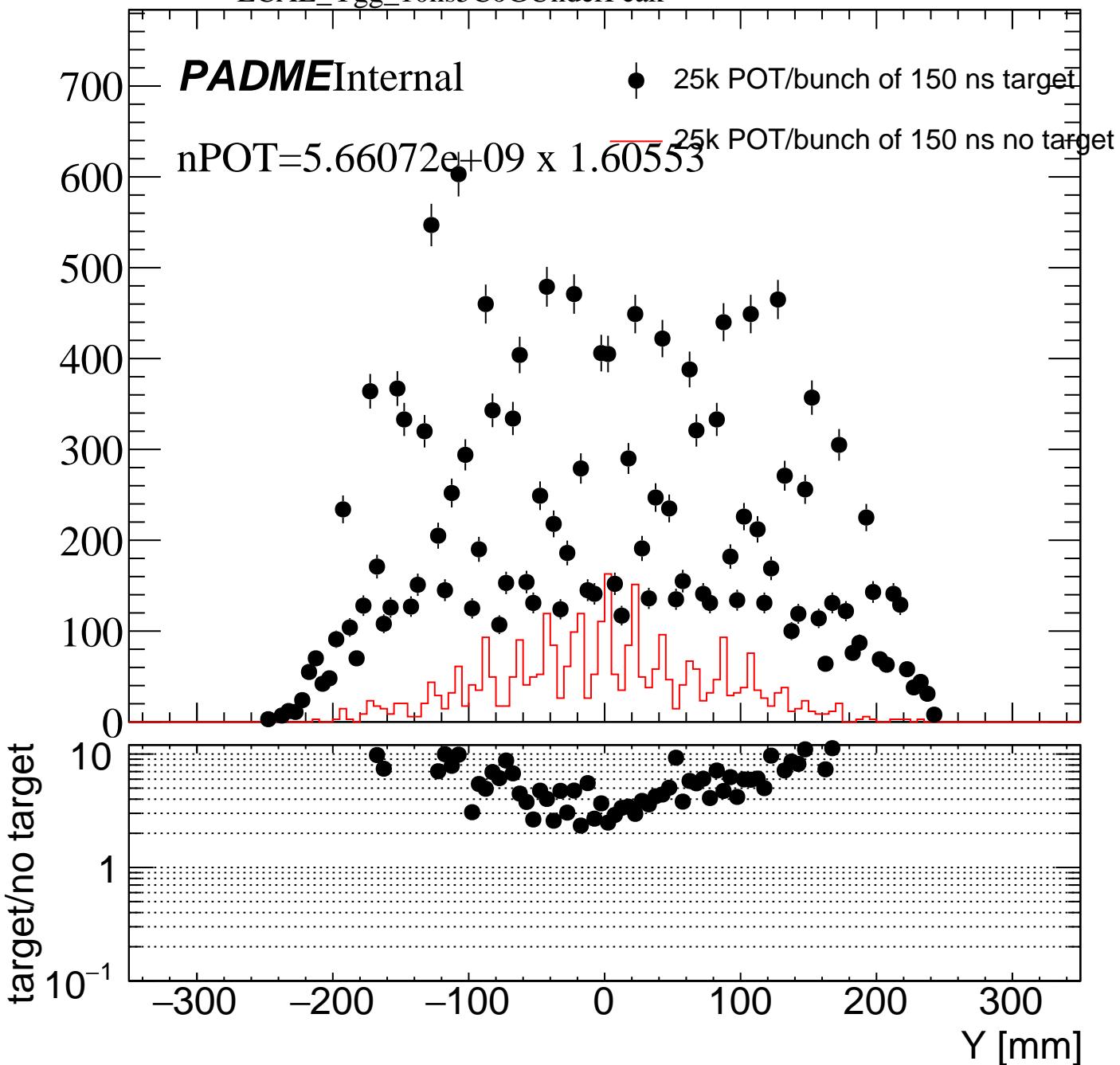
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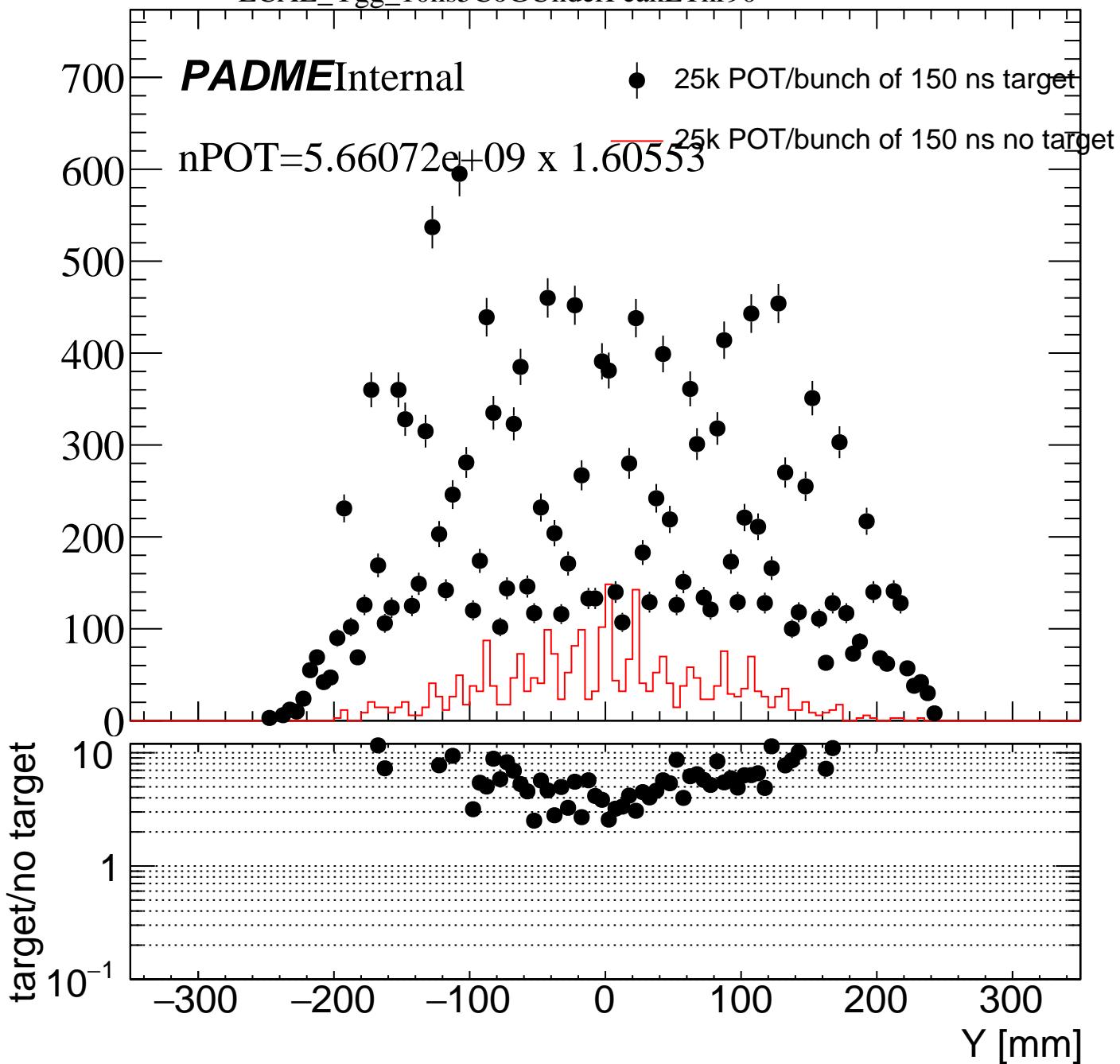
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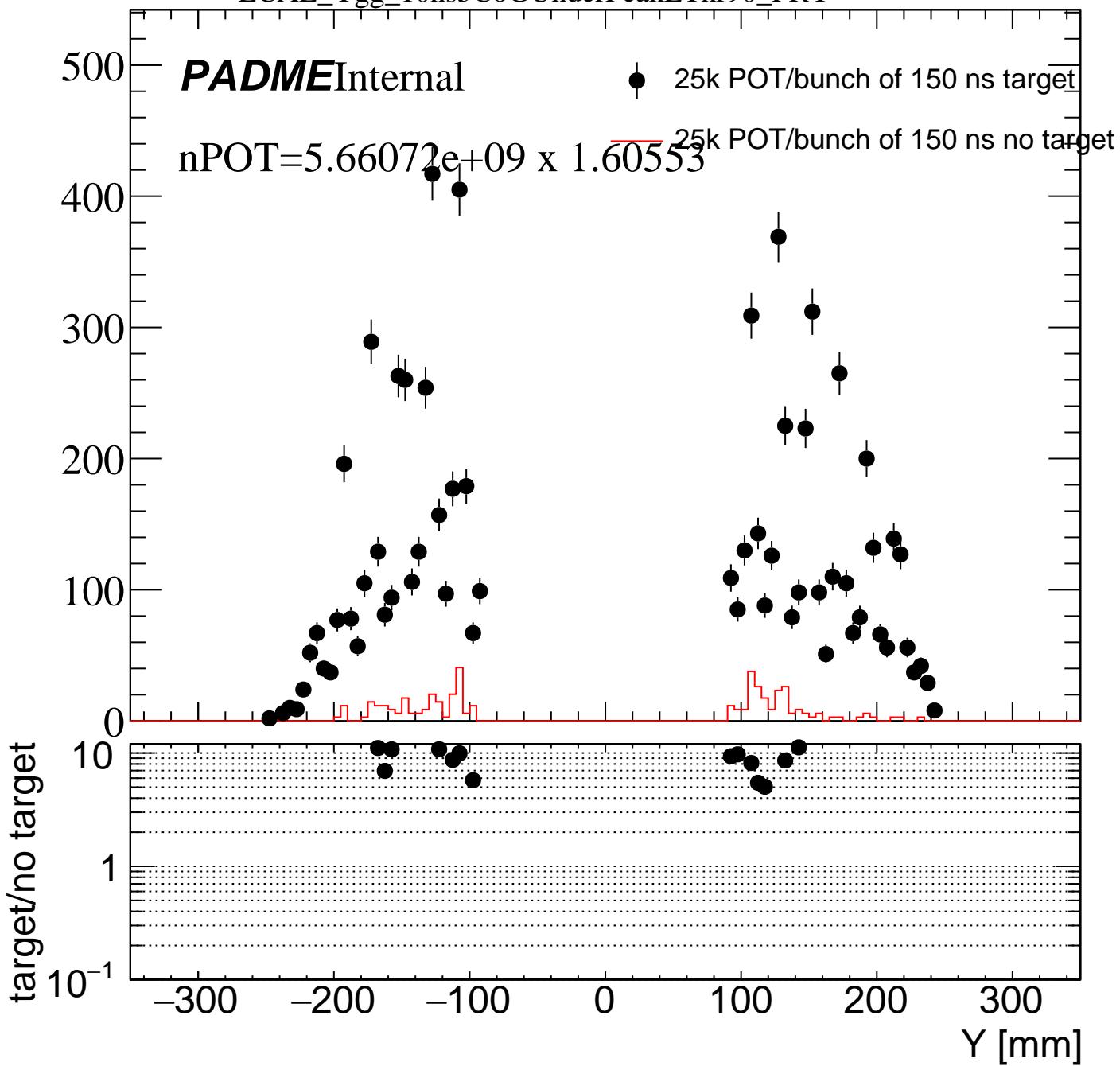
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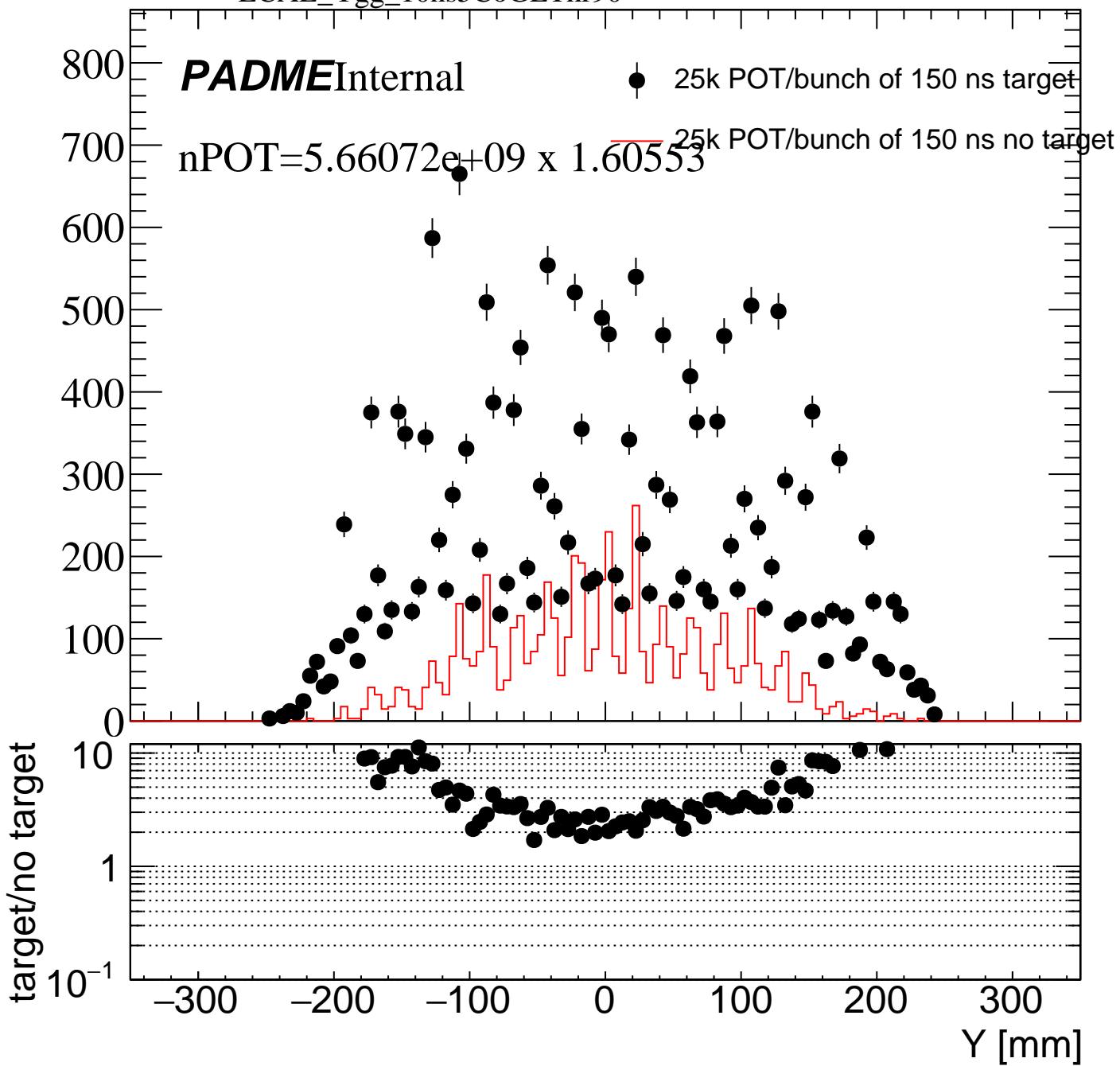
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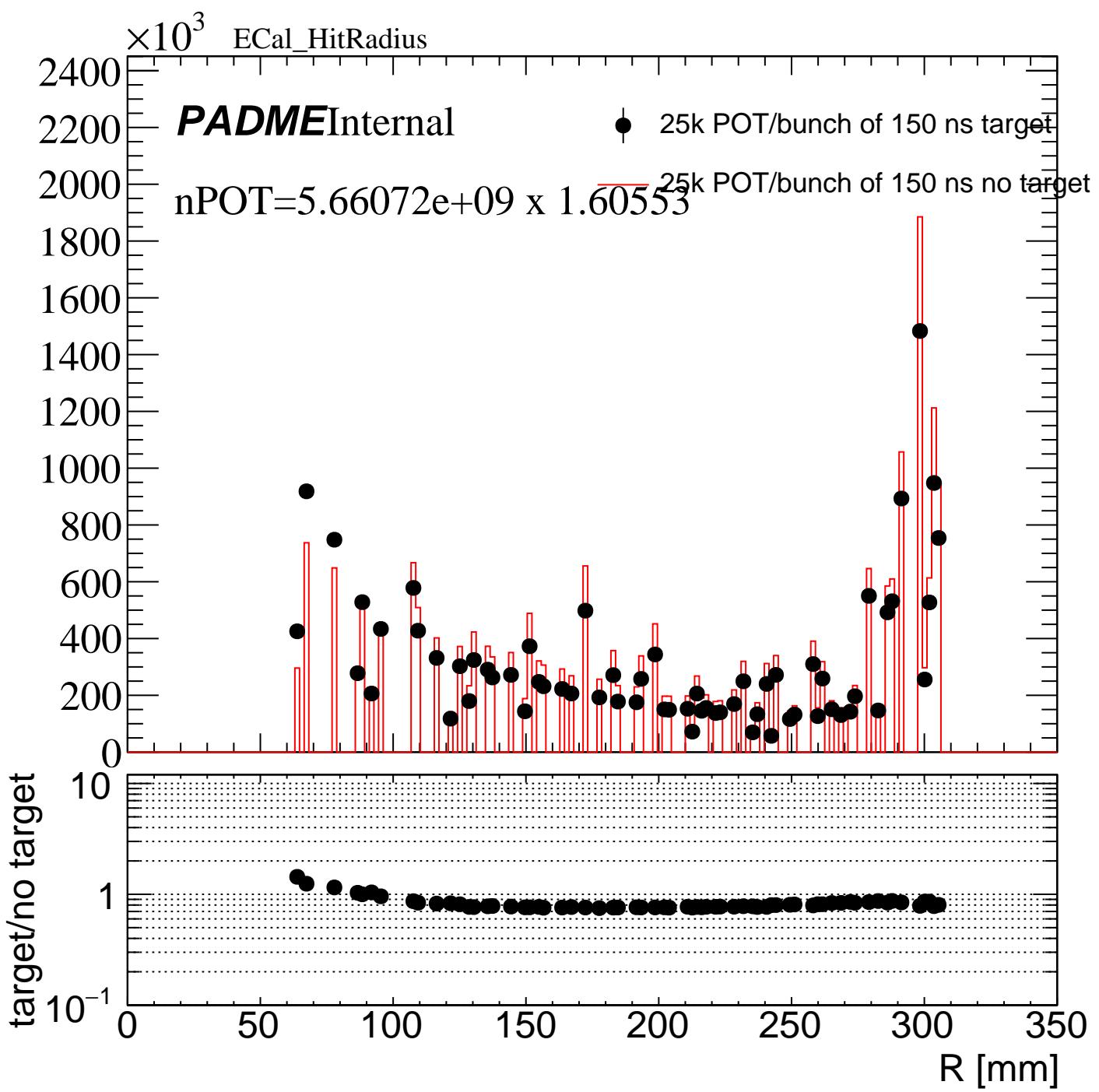


ECAL_Ygg_10ns5CoGUnderPeakEThr90_FRY

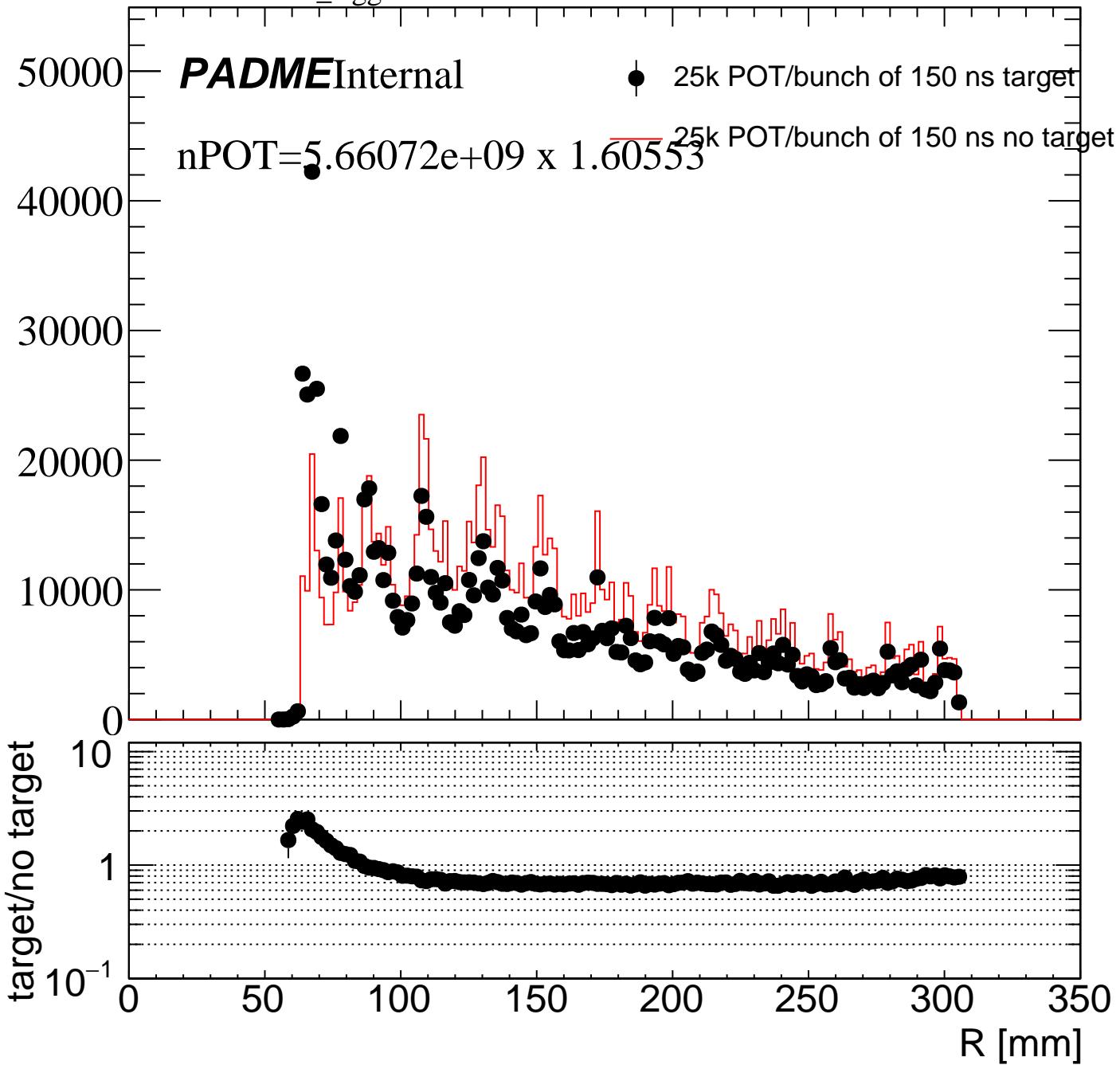


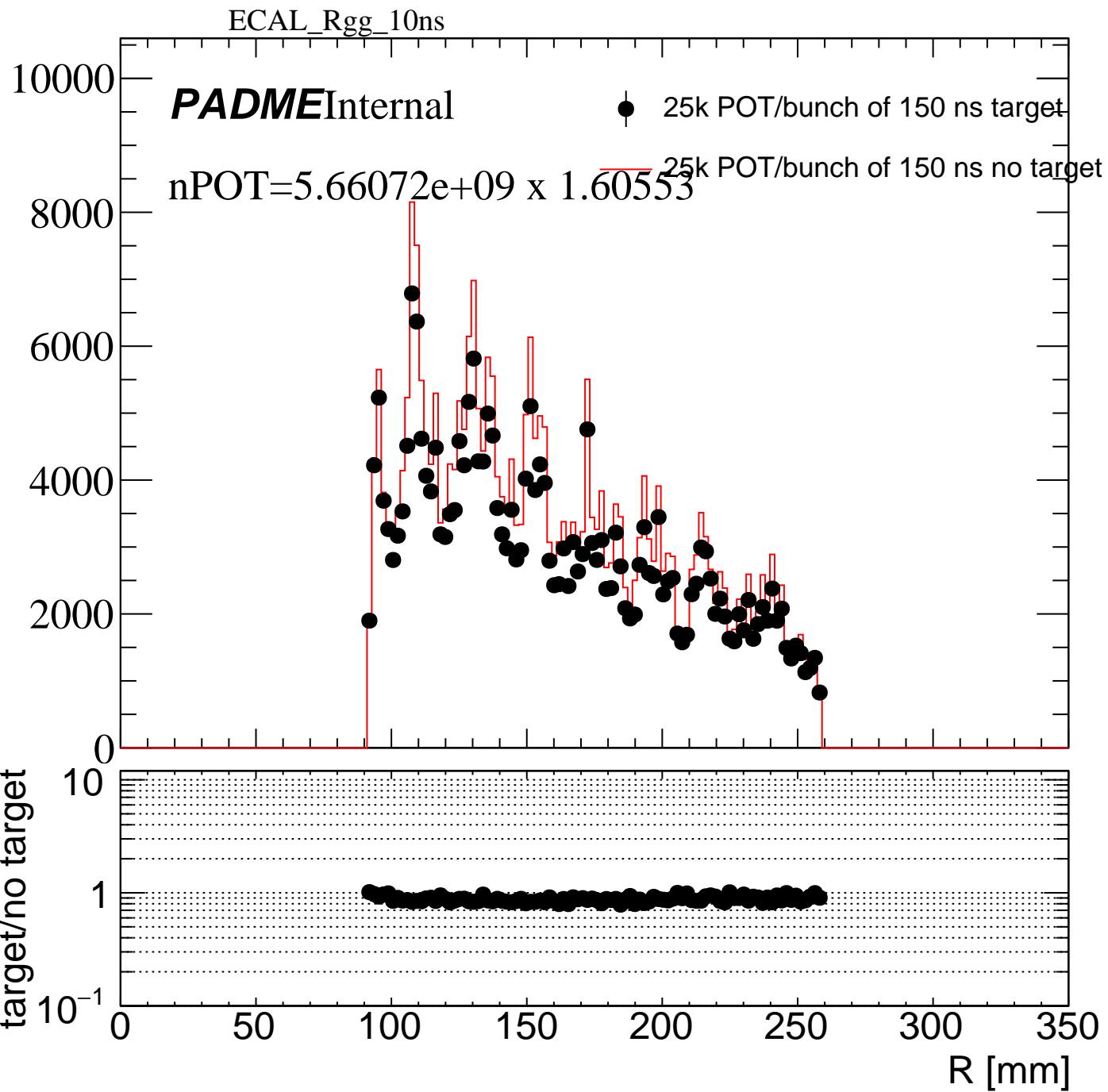
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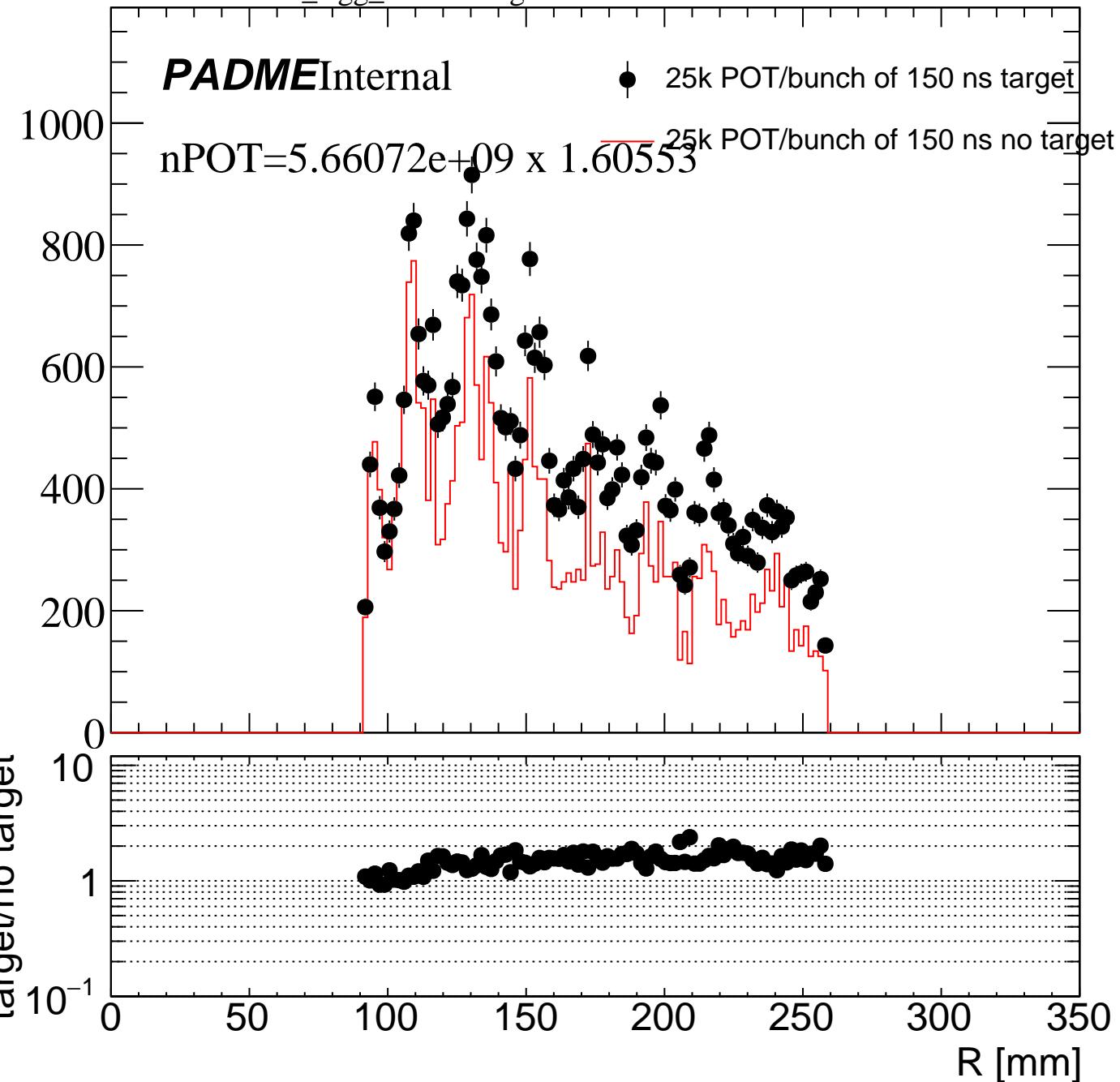


ECAL_RggAllClusters

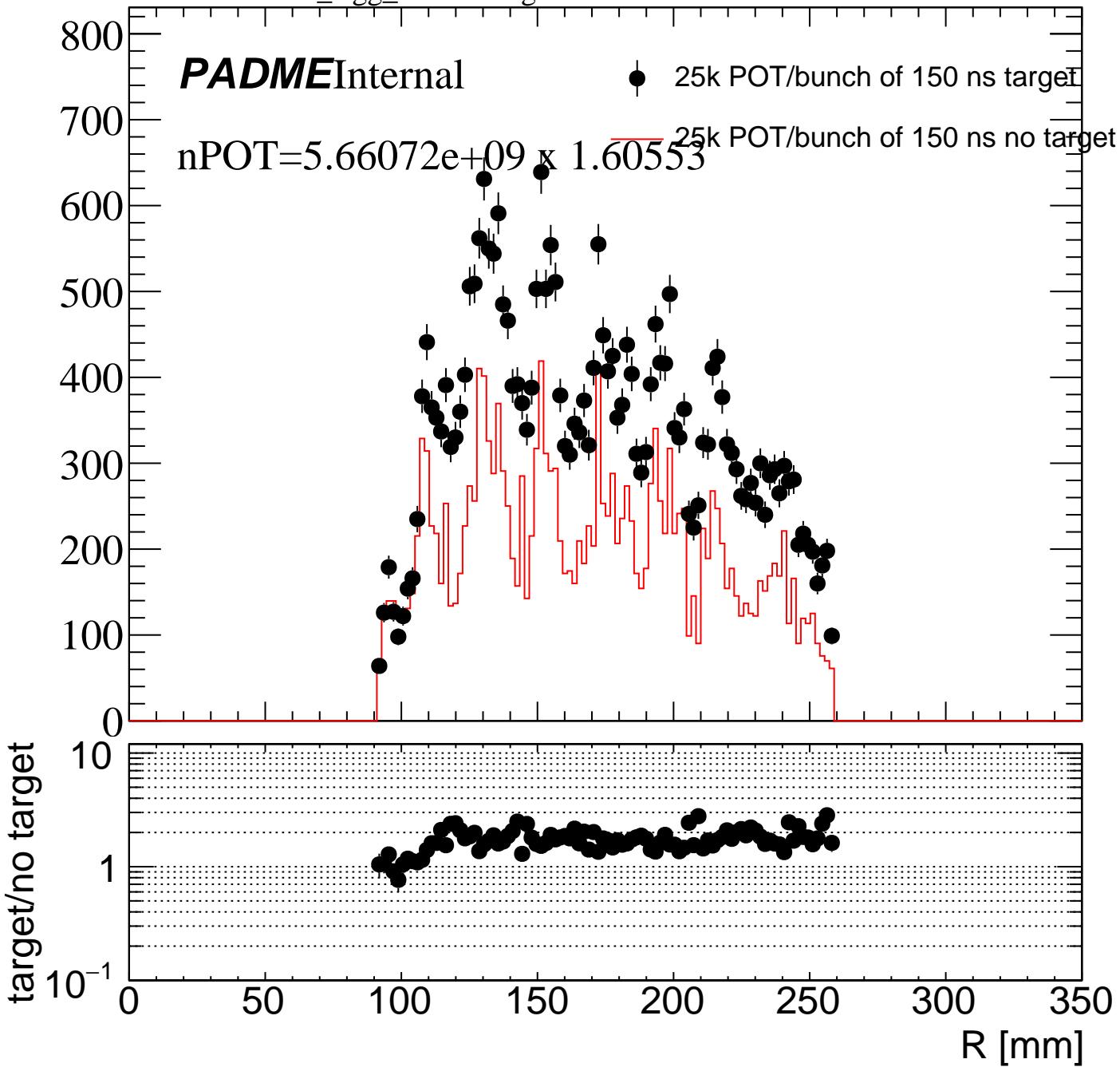


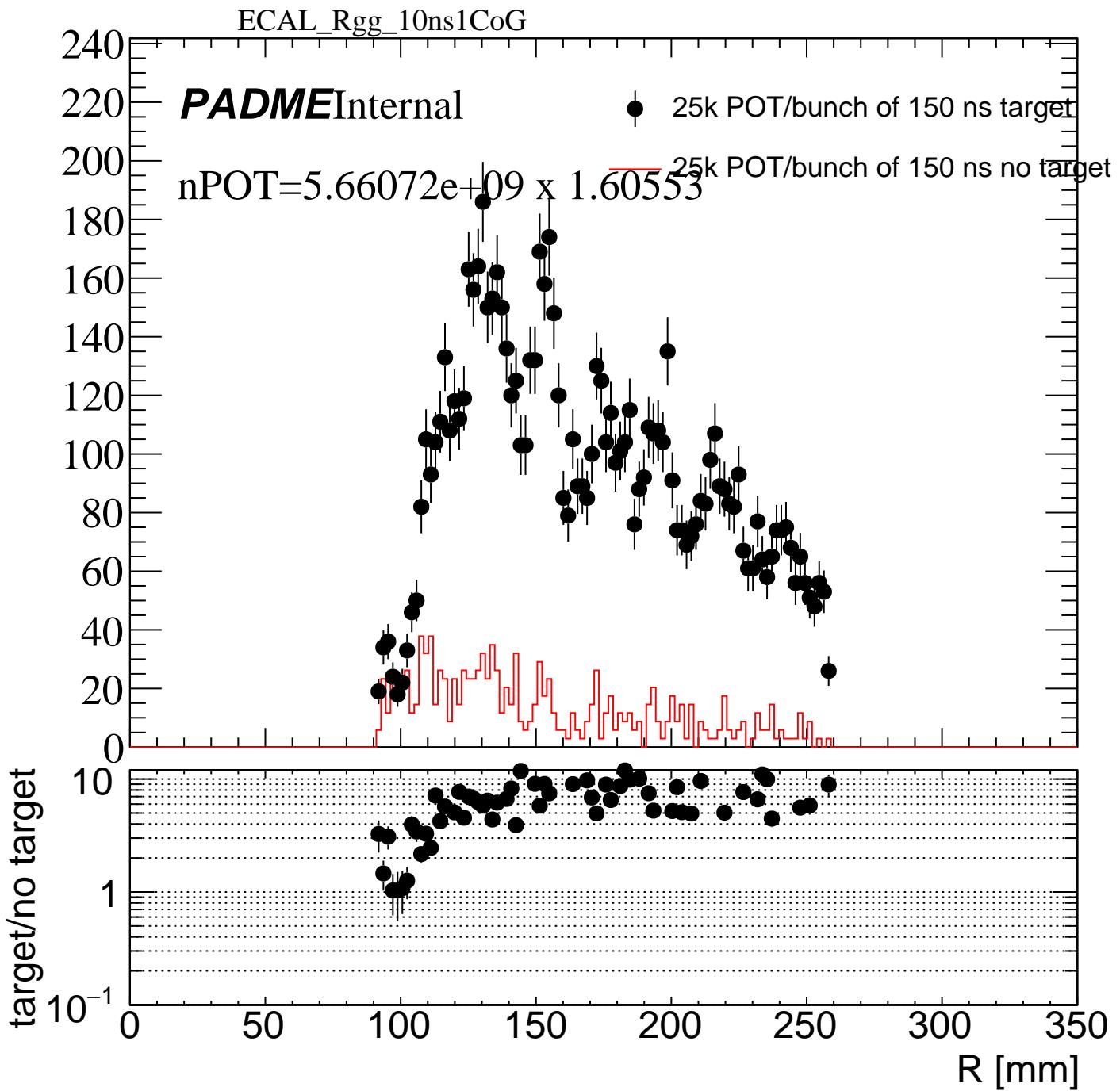


ECAL_Rgg_10ns20Degree

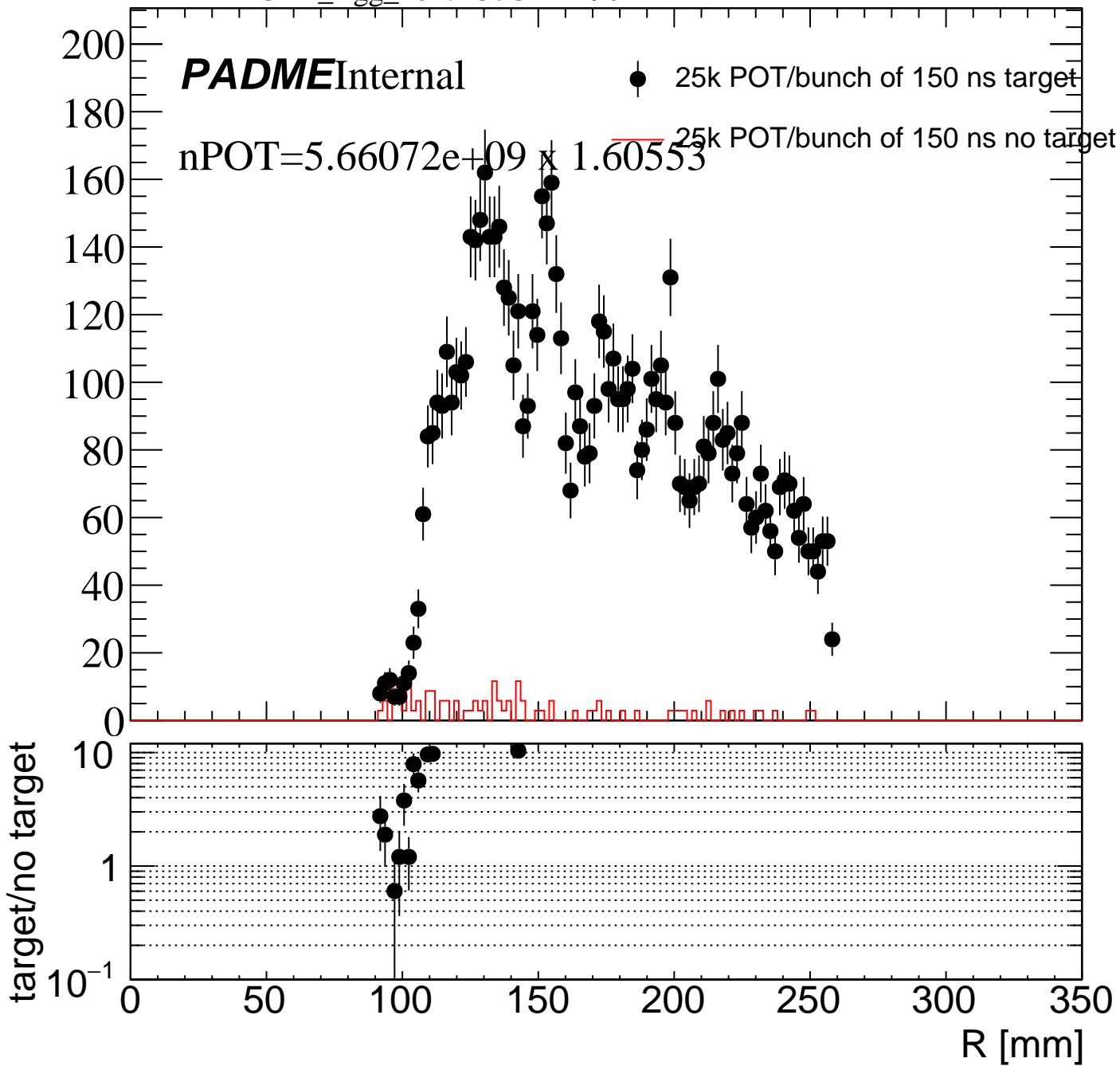


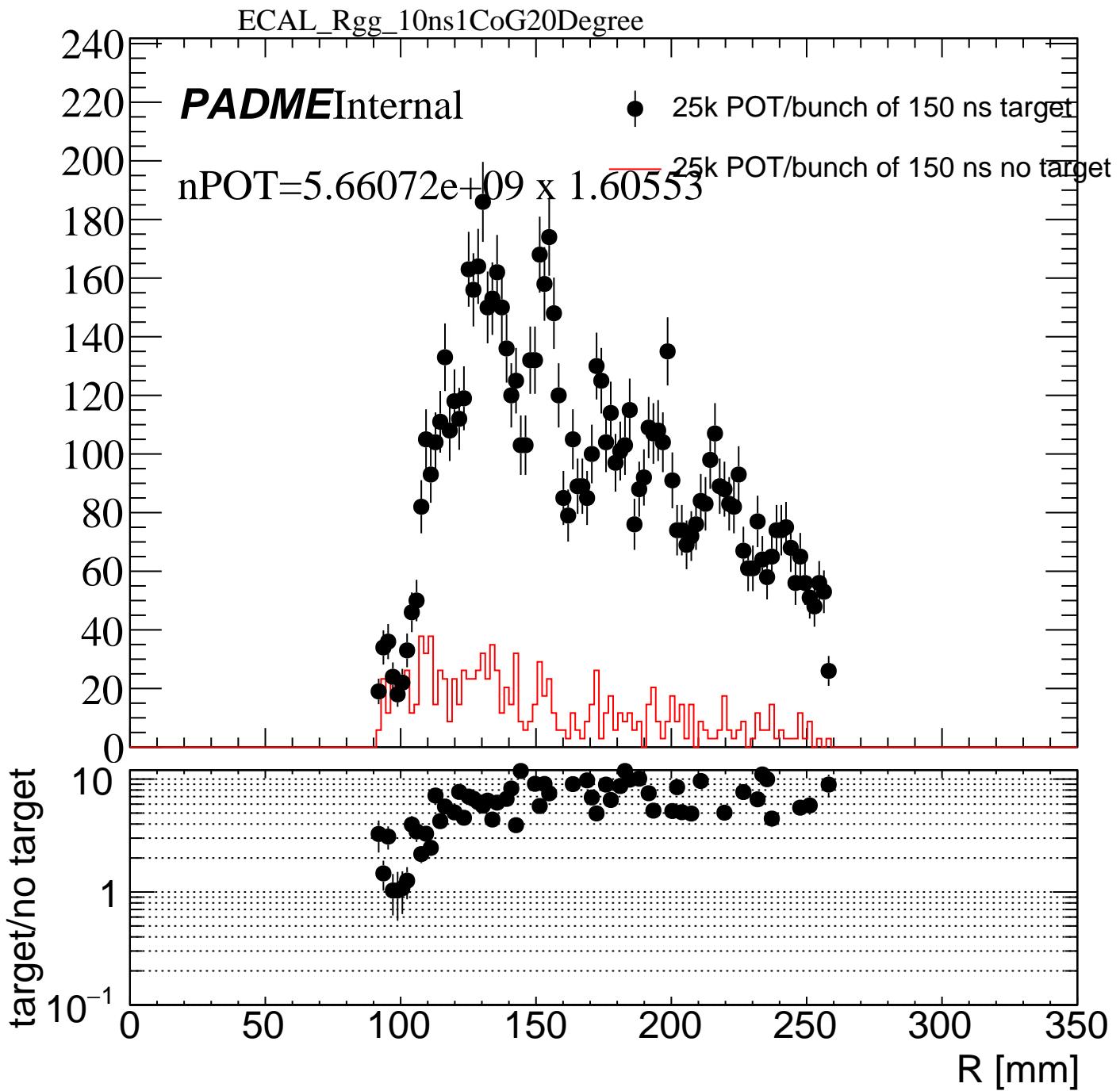
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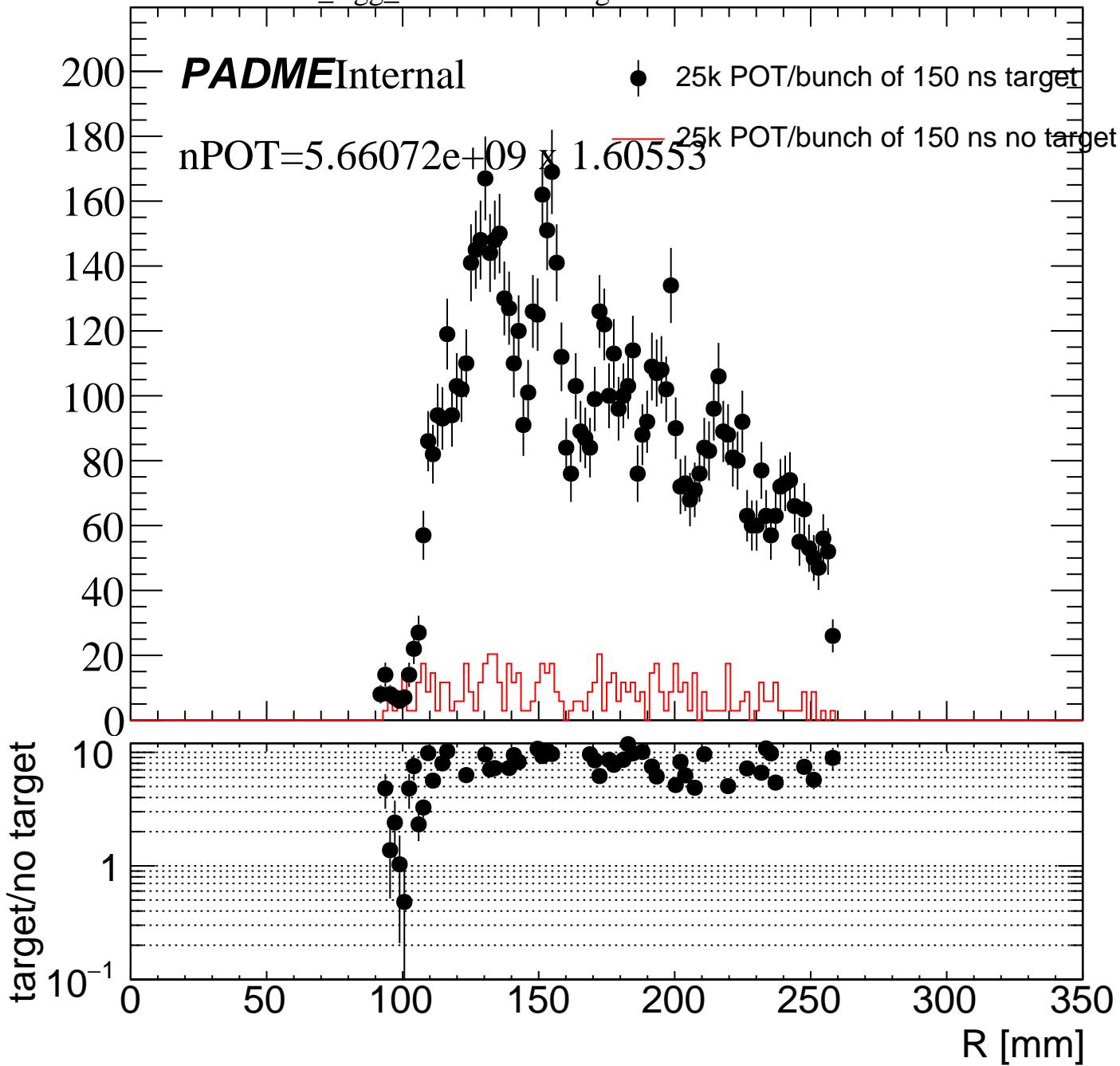


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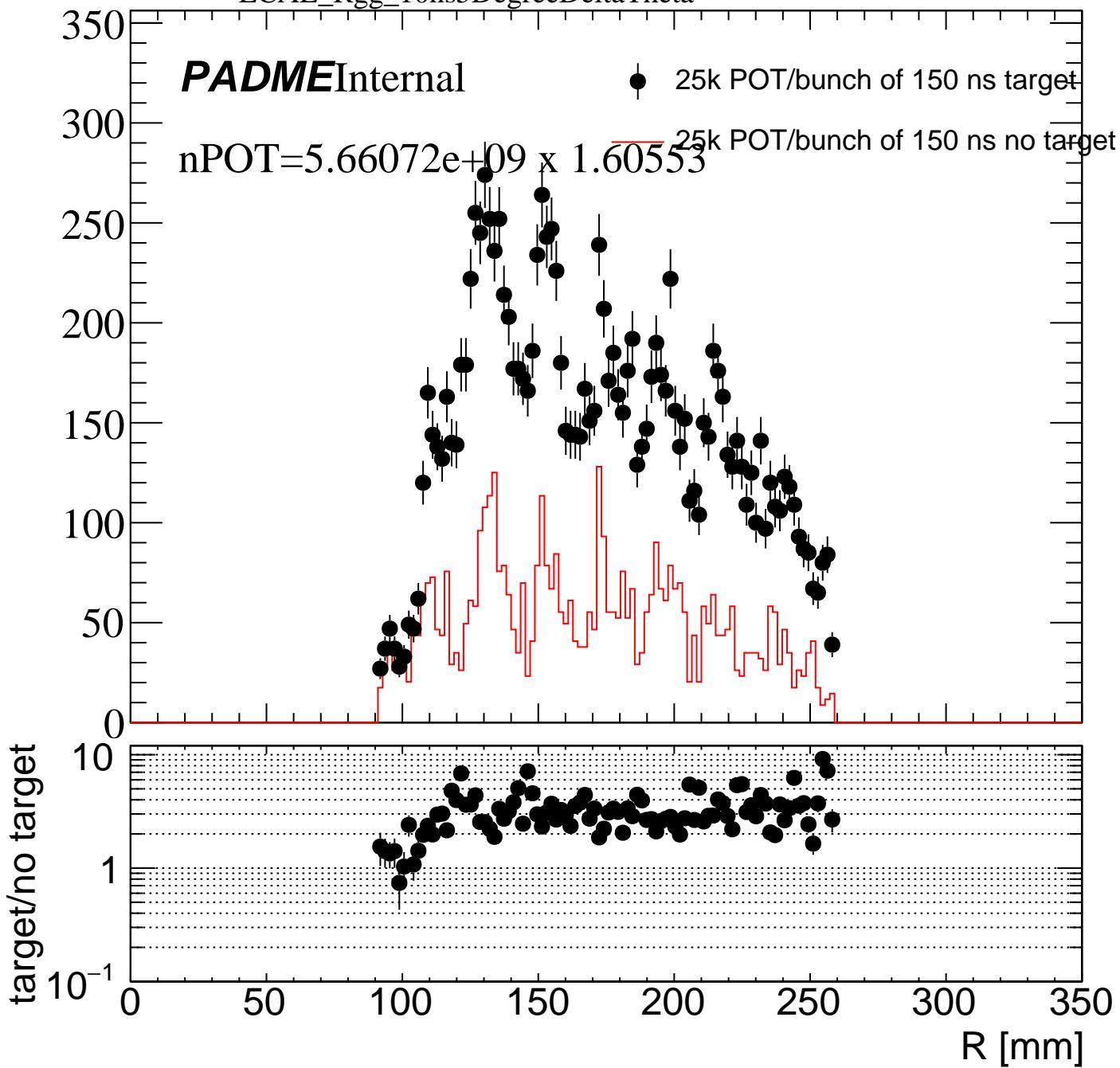




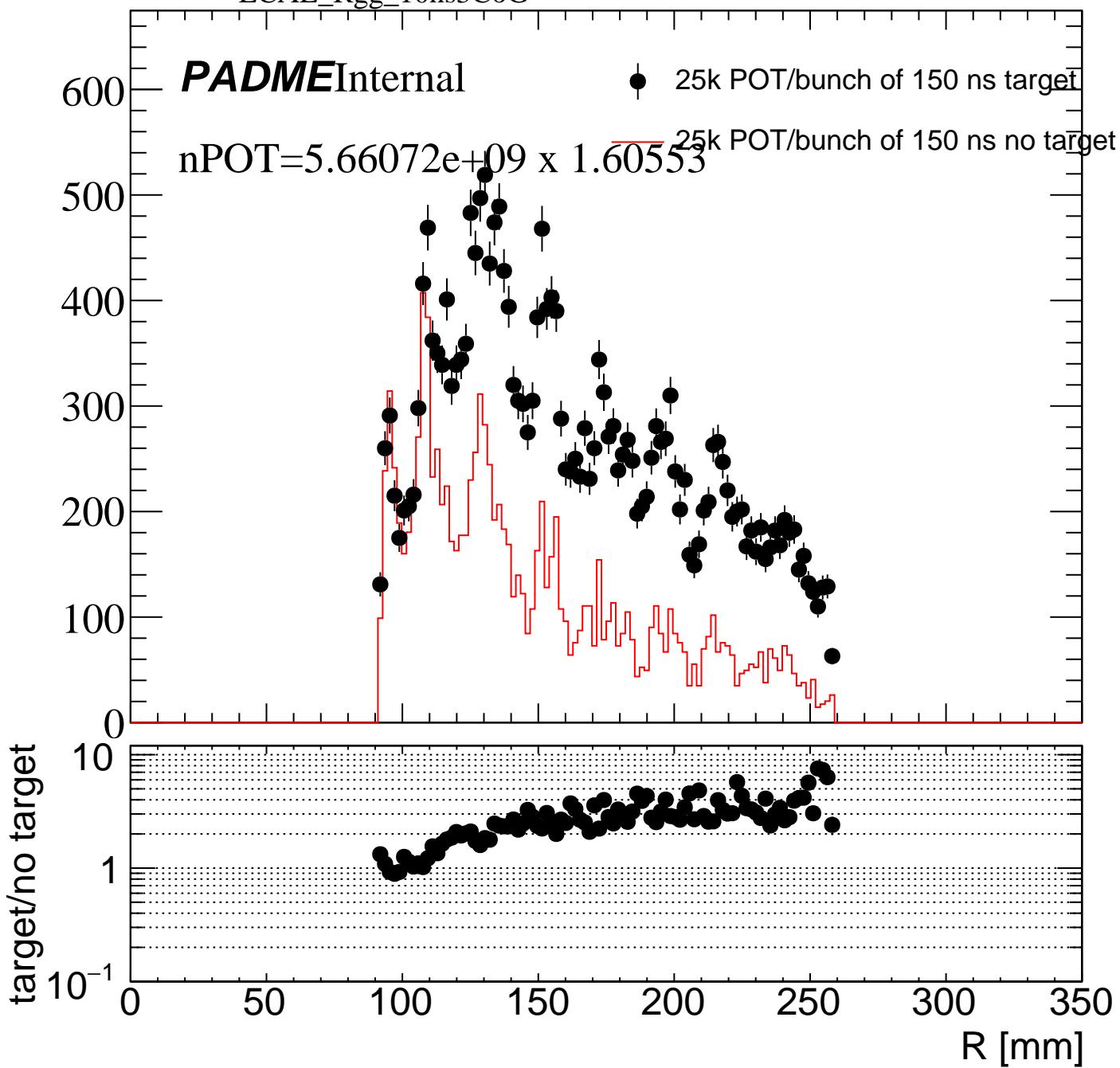
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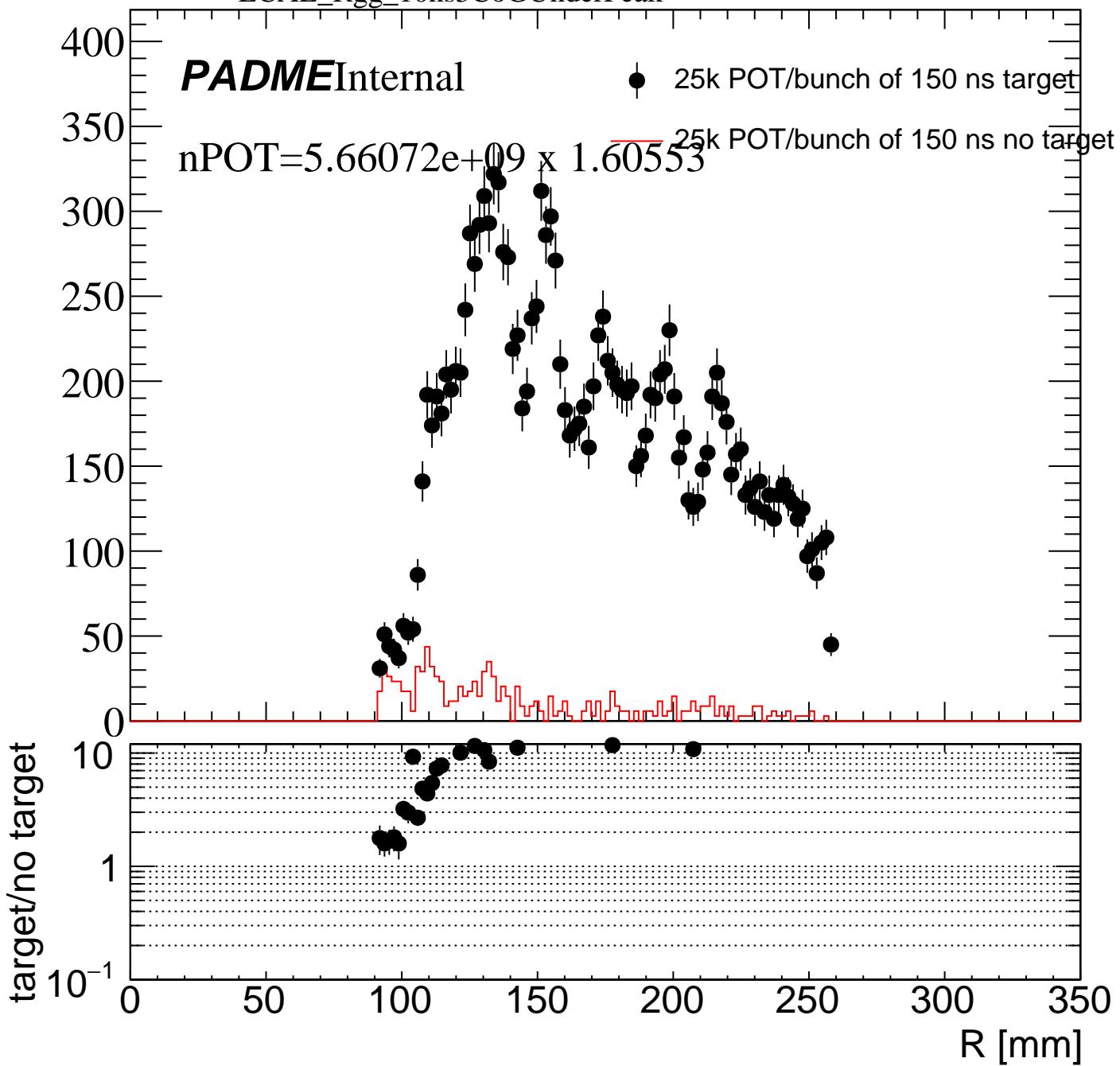
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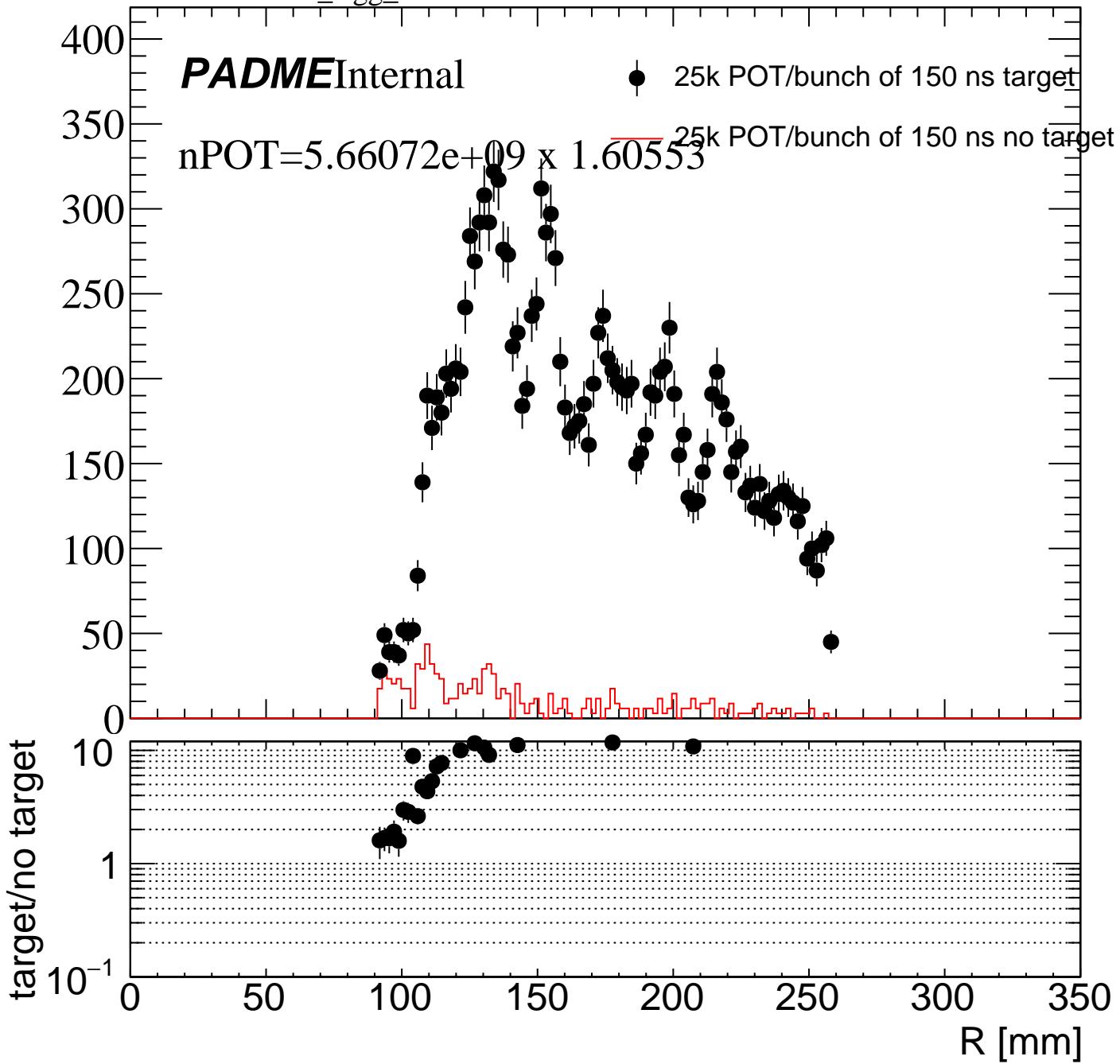
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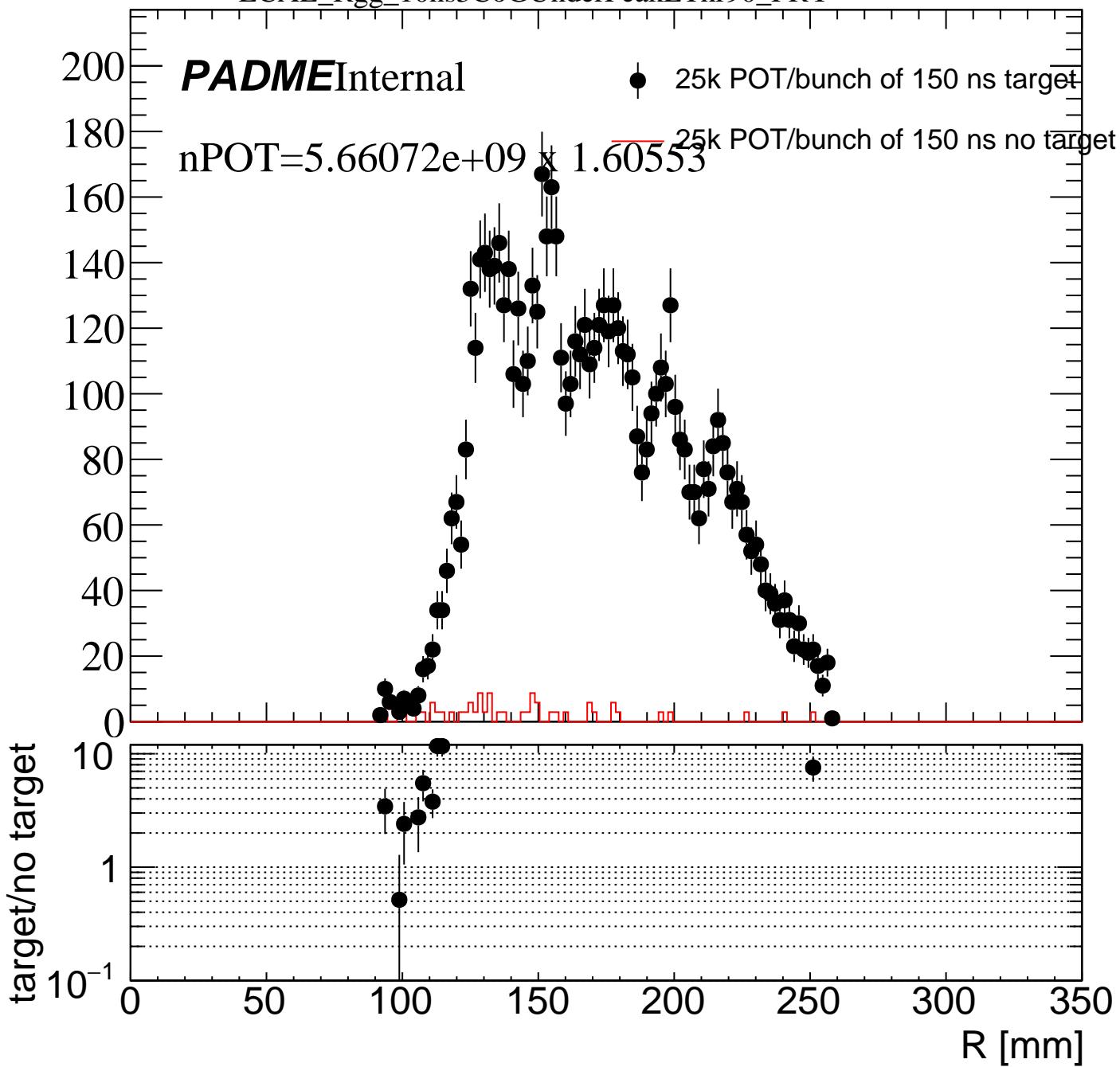
ECAL_Rgg_10ns3CoGUnderPeak



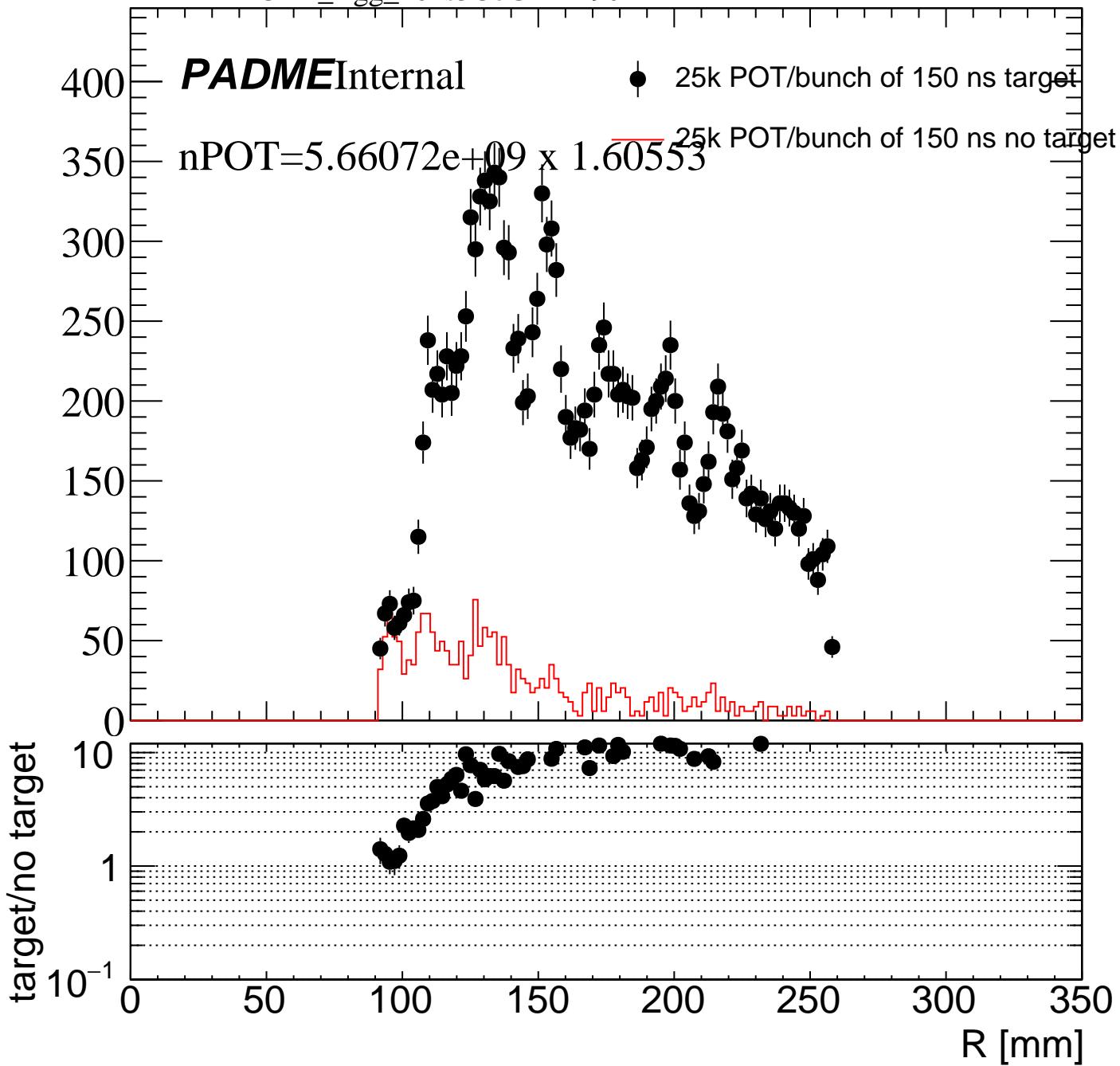
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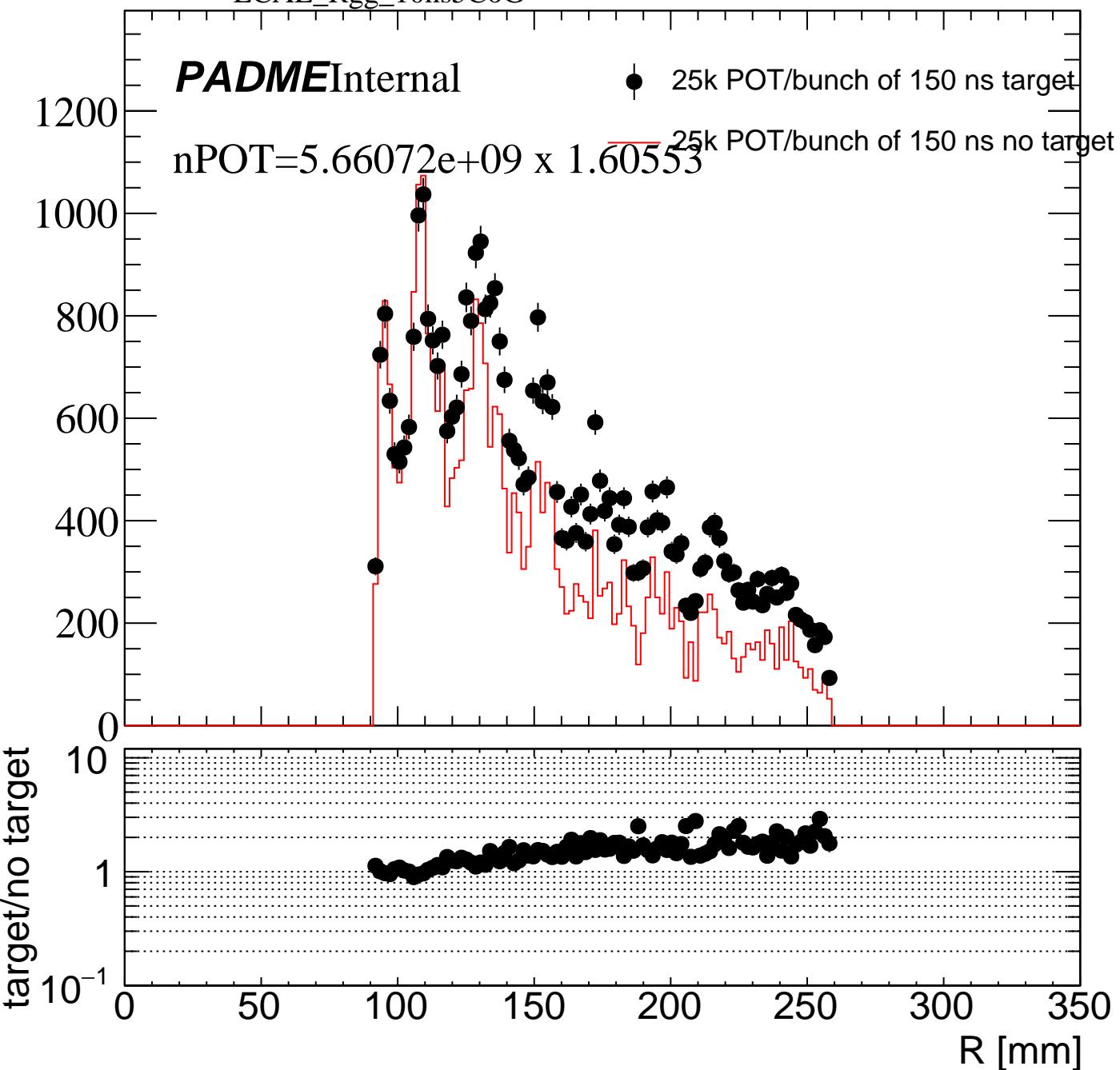
ECAL_Rgg_10ns3CoGUnderPeakEThr90_FRY



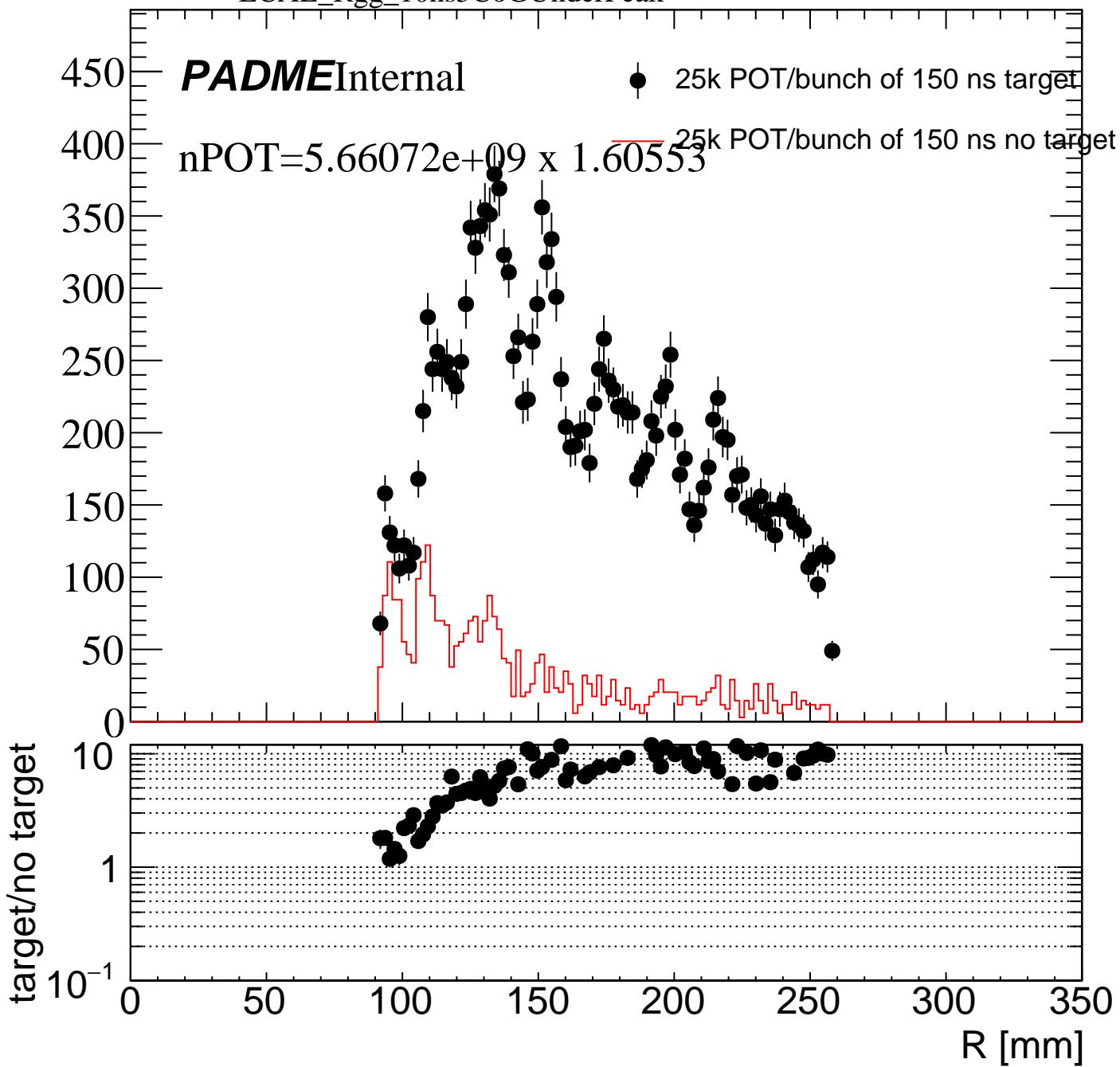
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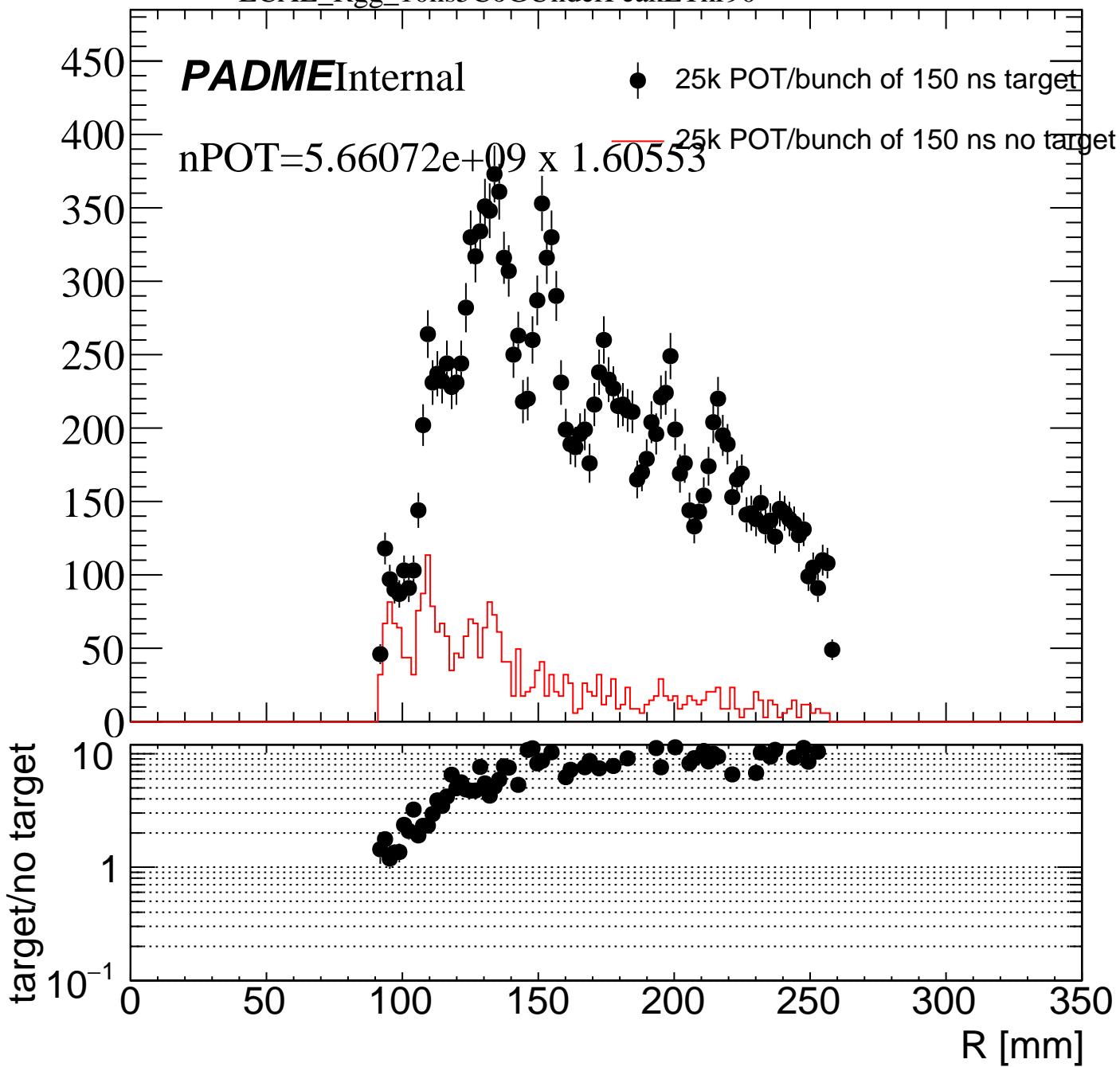
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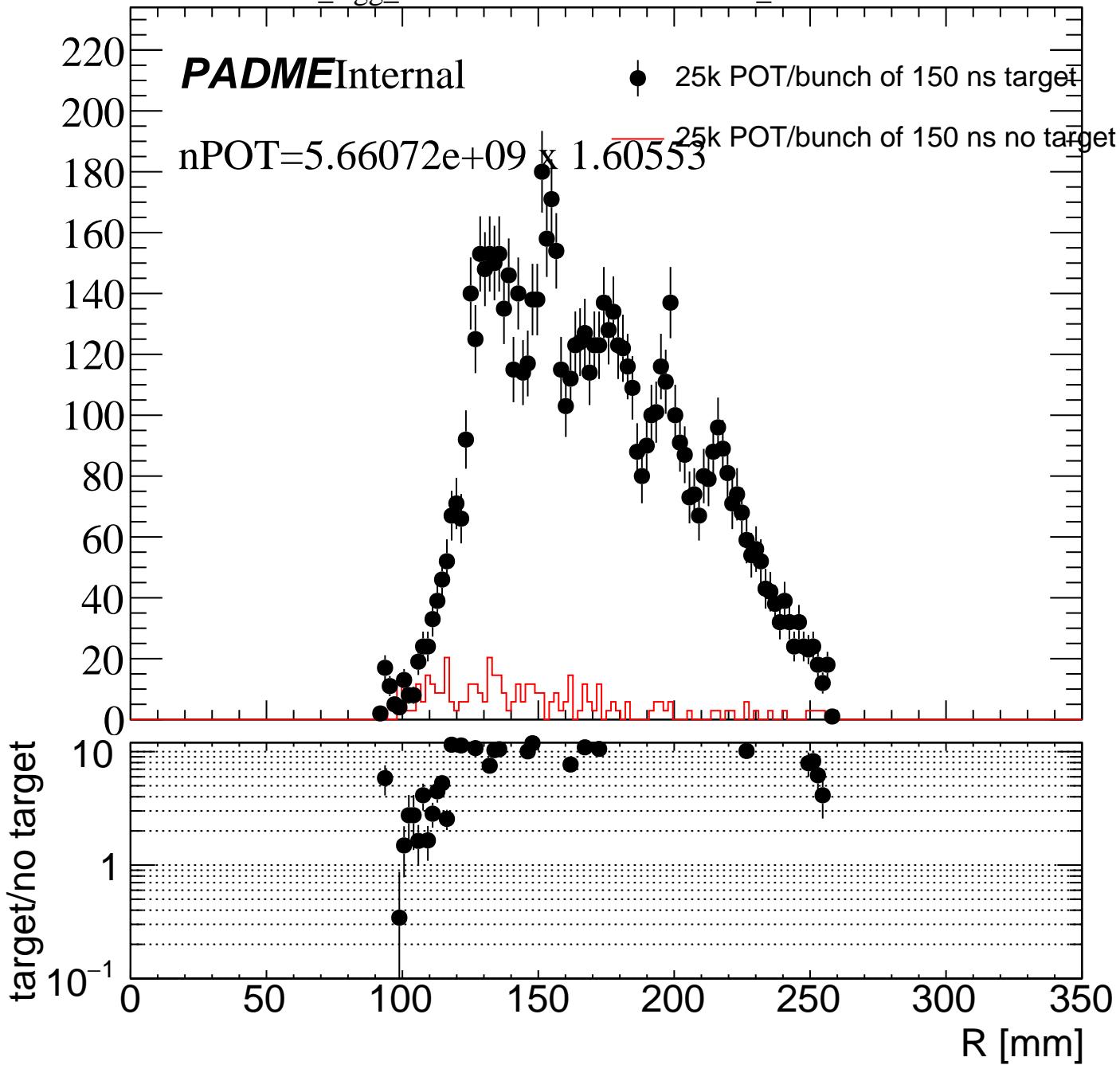
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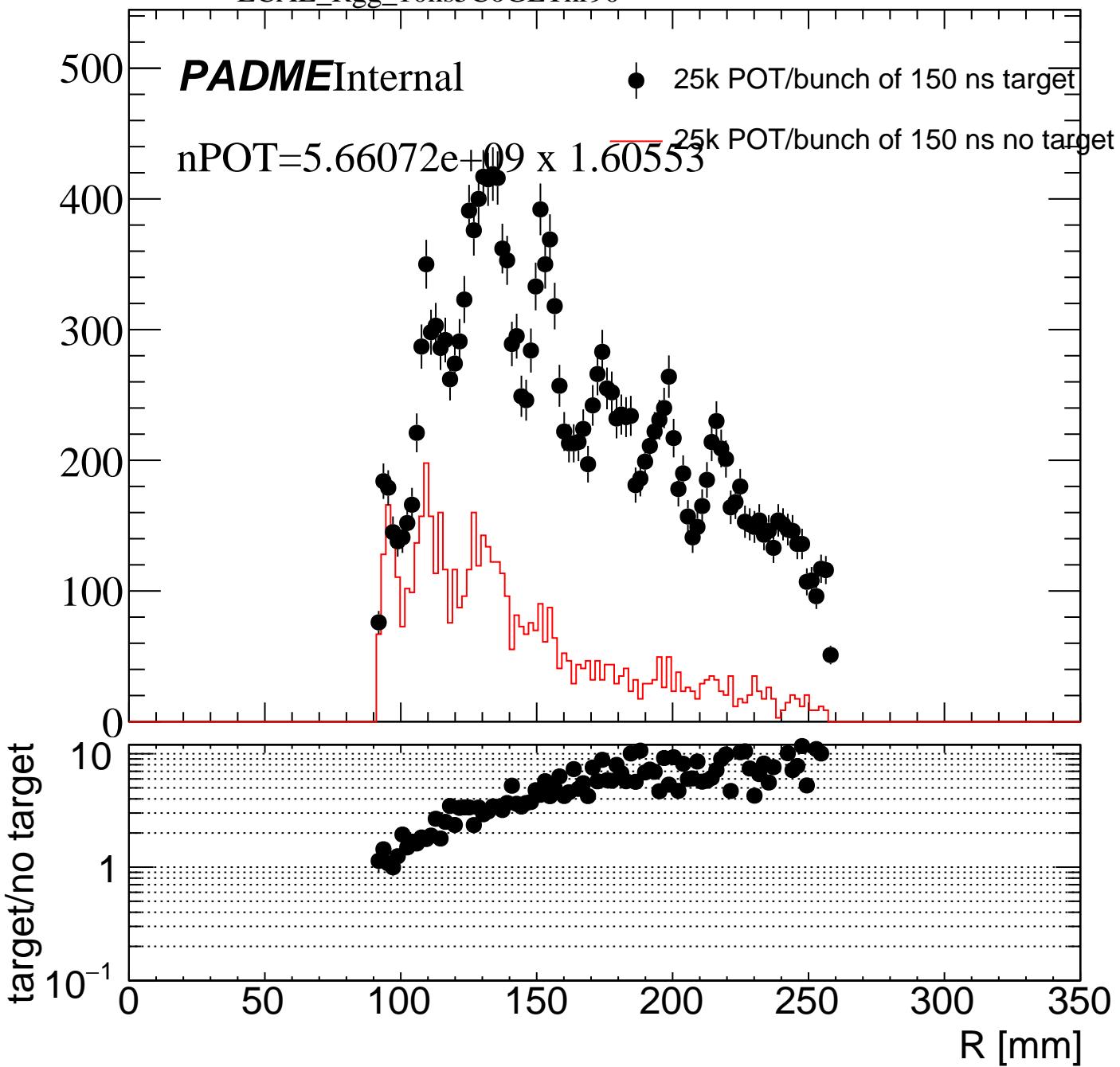
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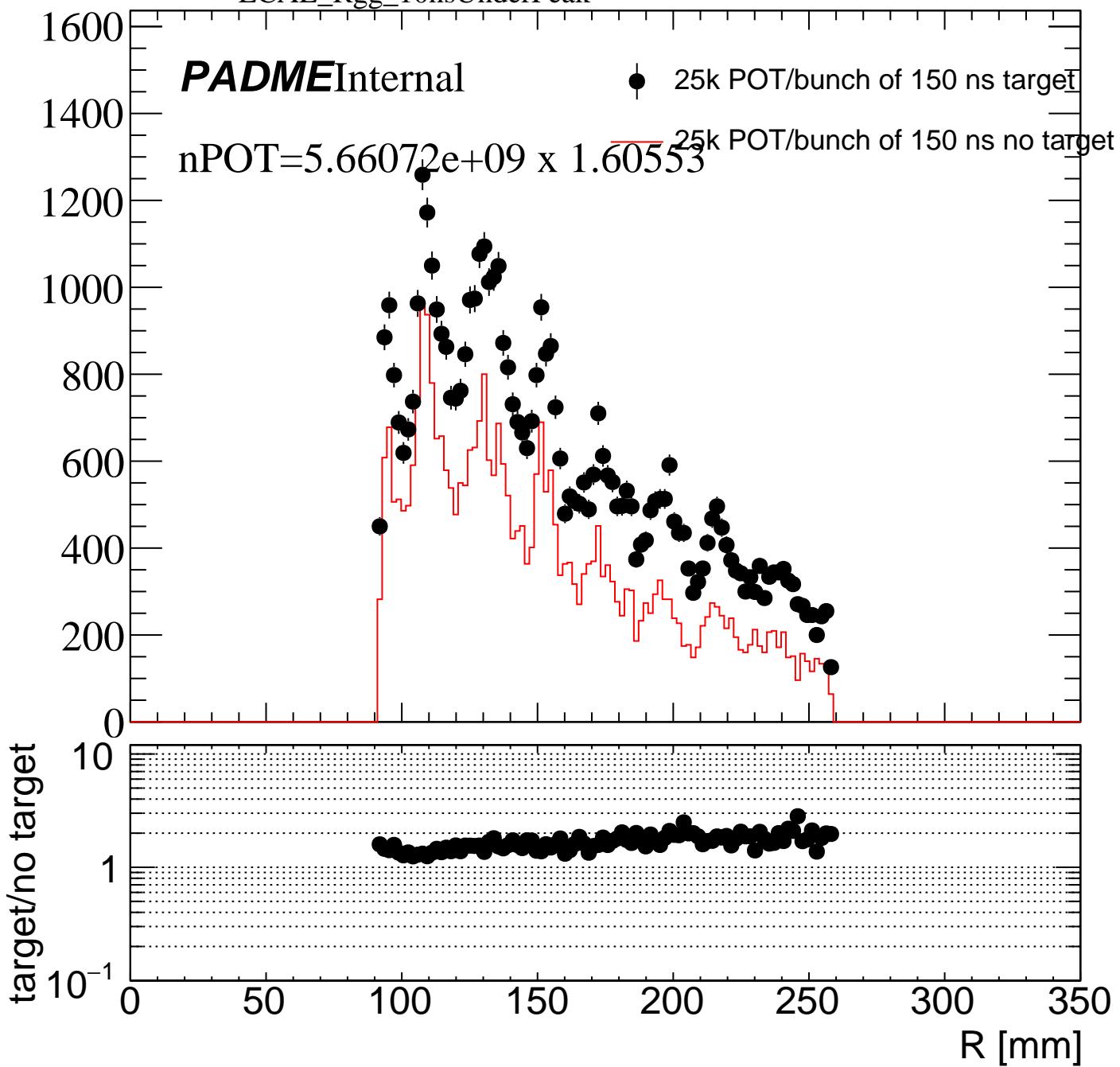
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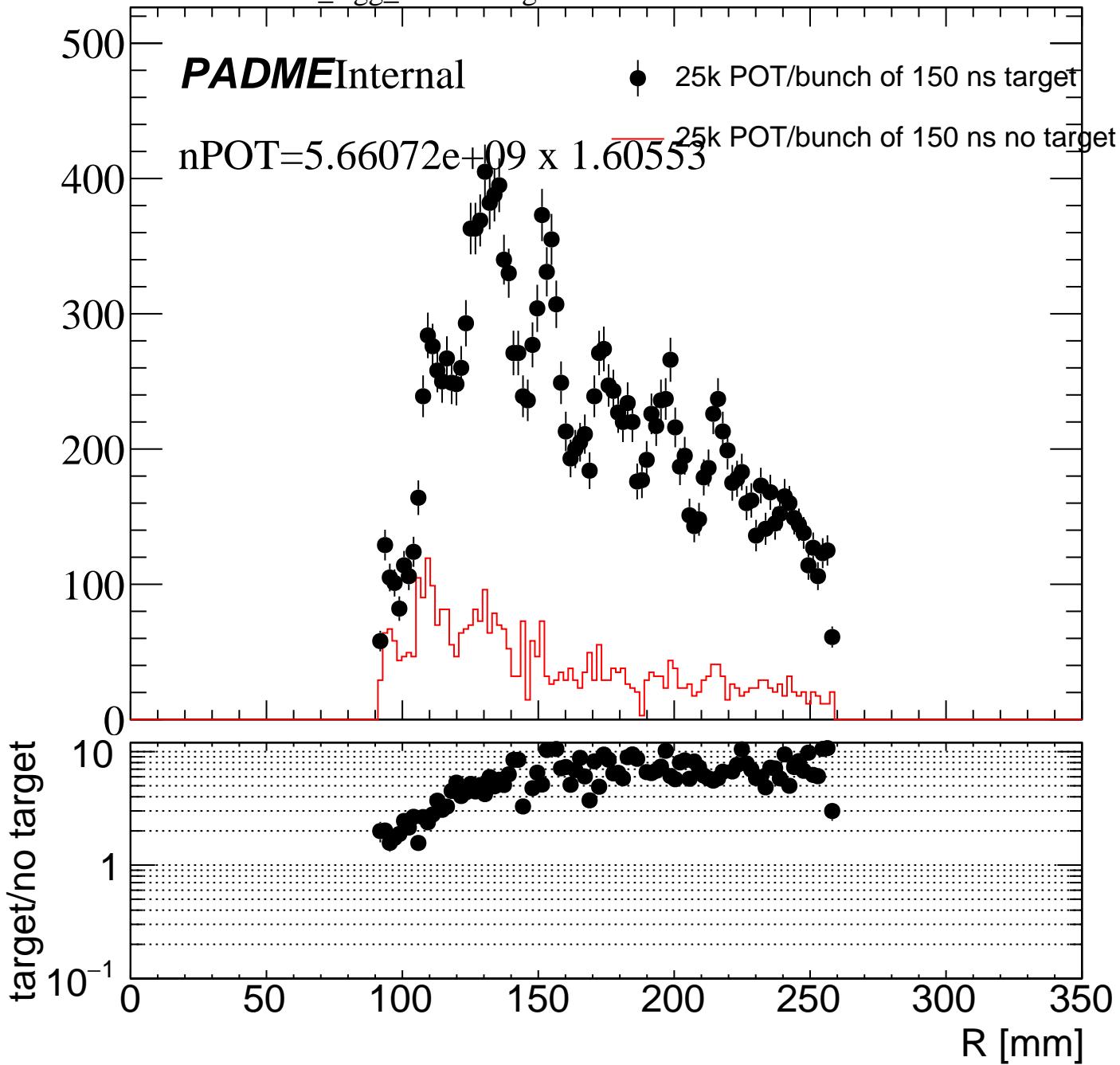
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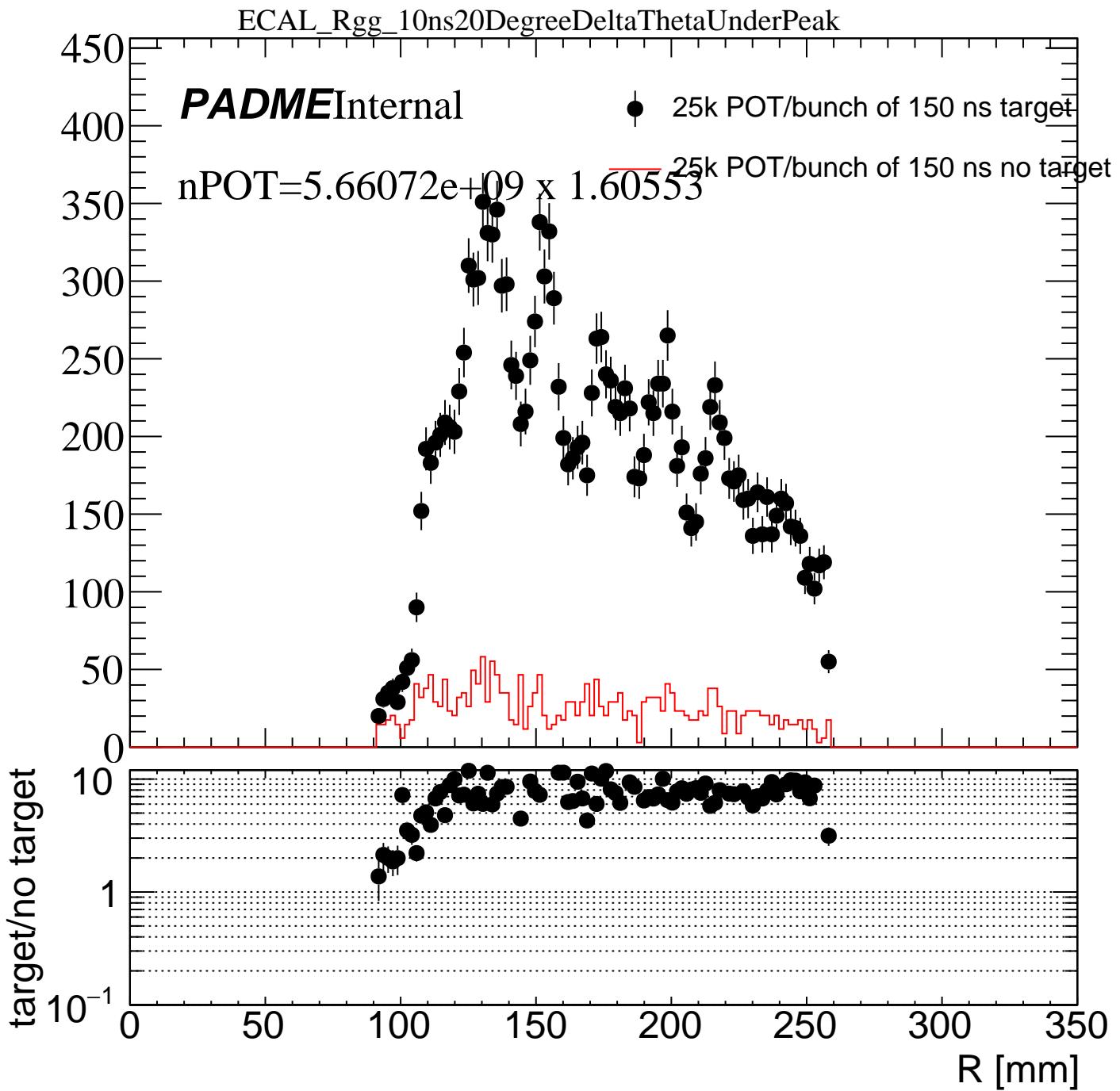


ECAL_Rgg_10nsUnderPeak

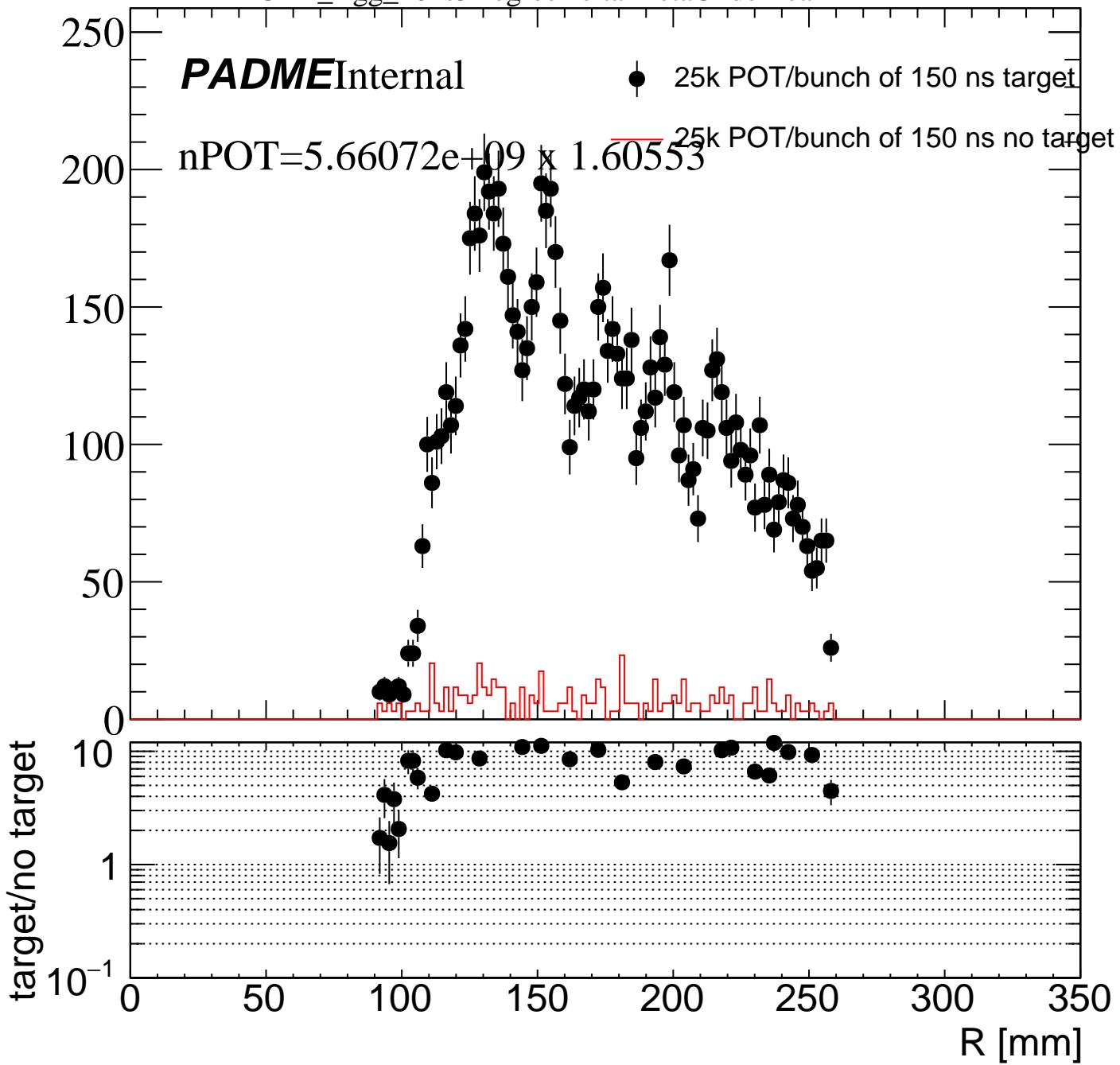


ECAL_Rgg_10ns20DegreeUnderPeak

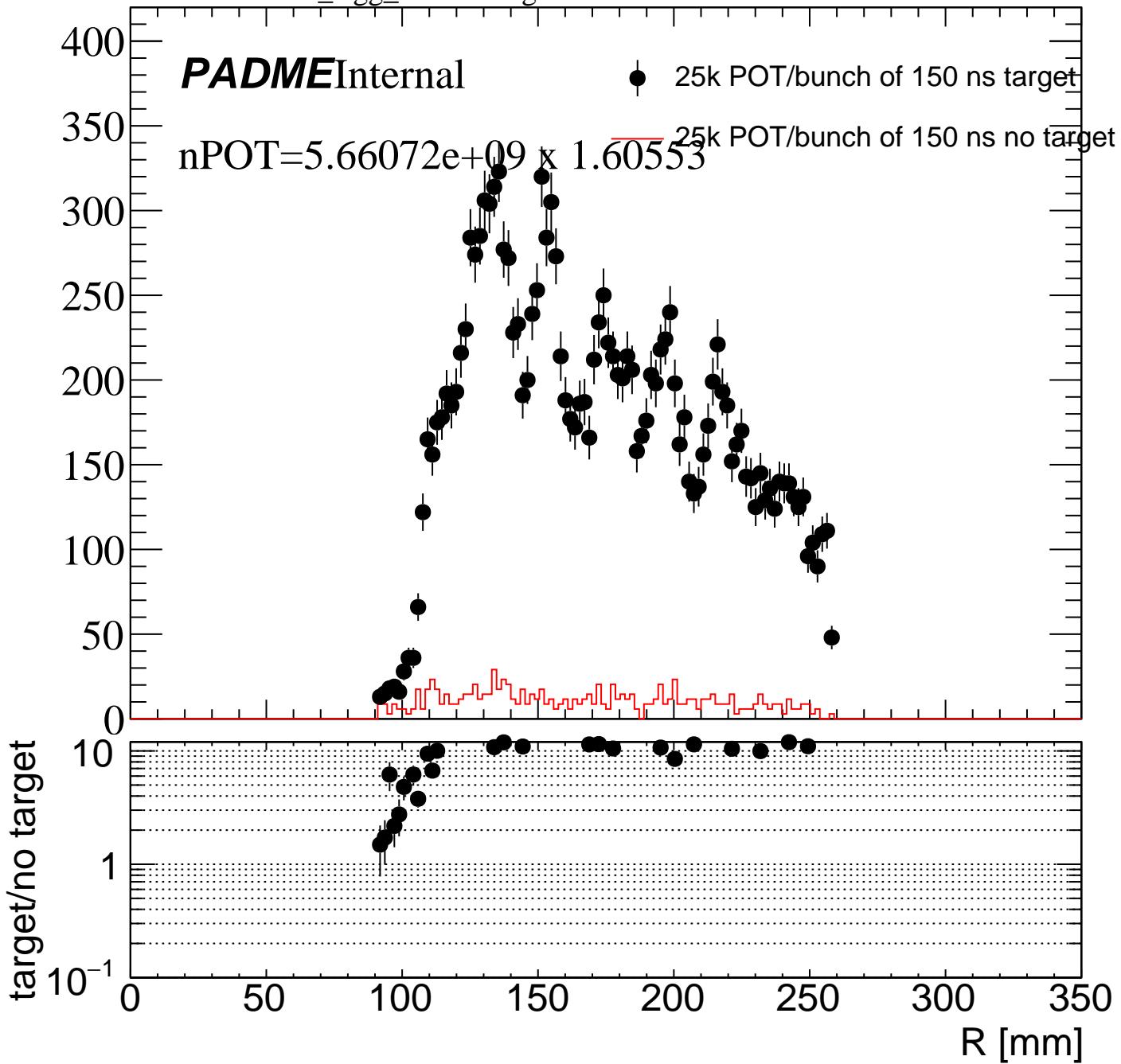




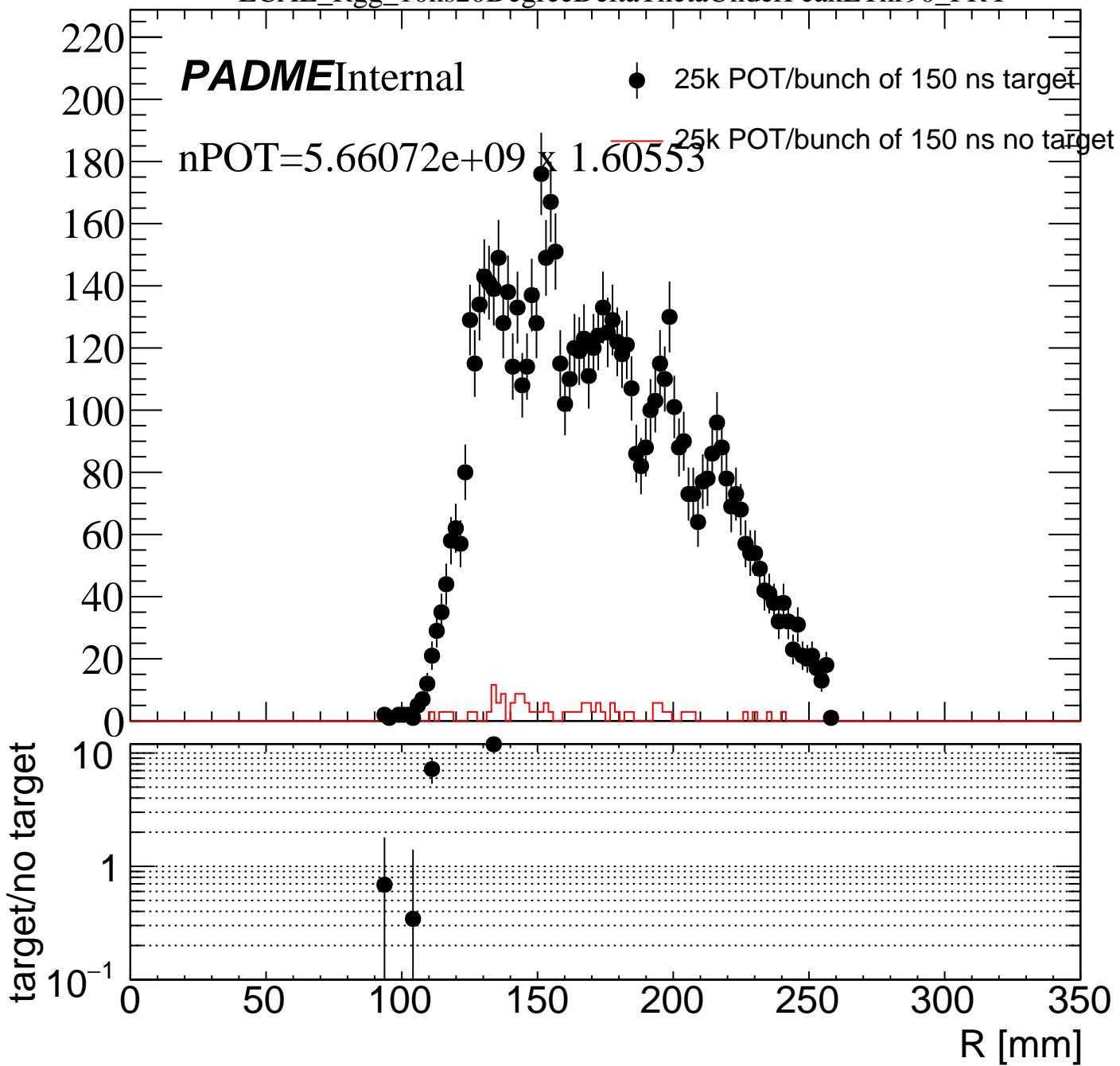
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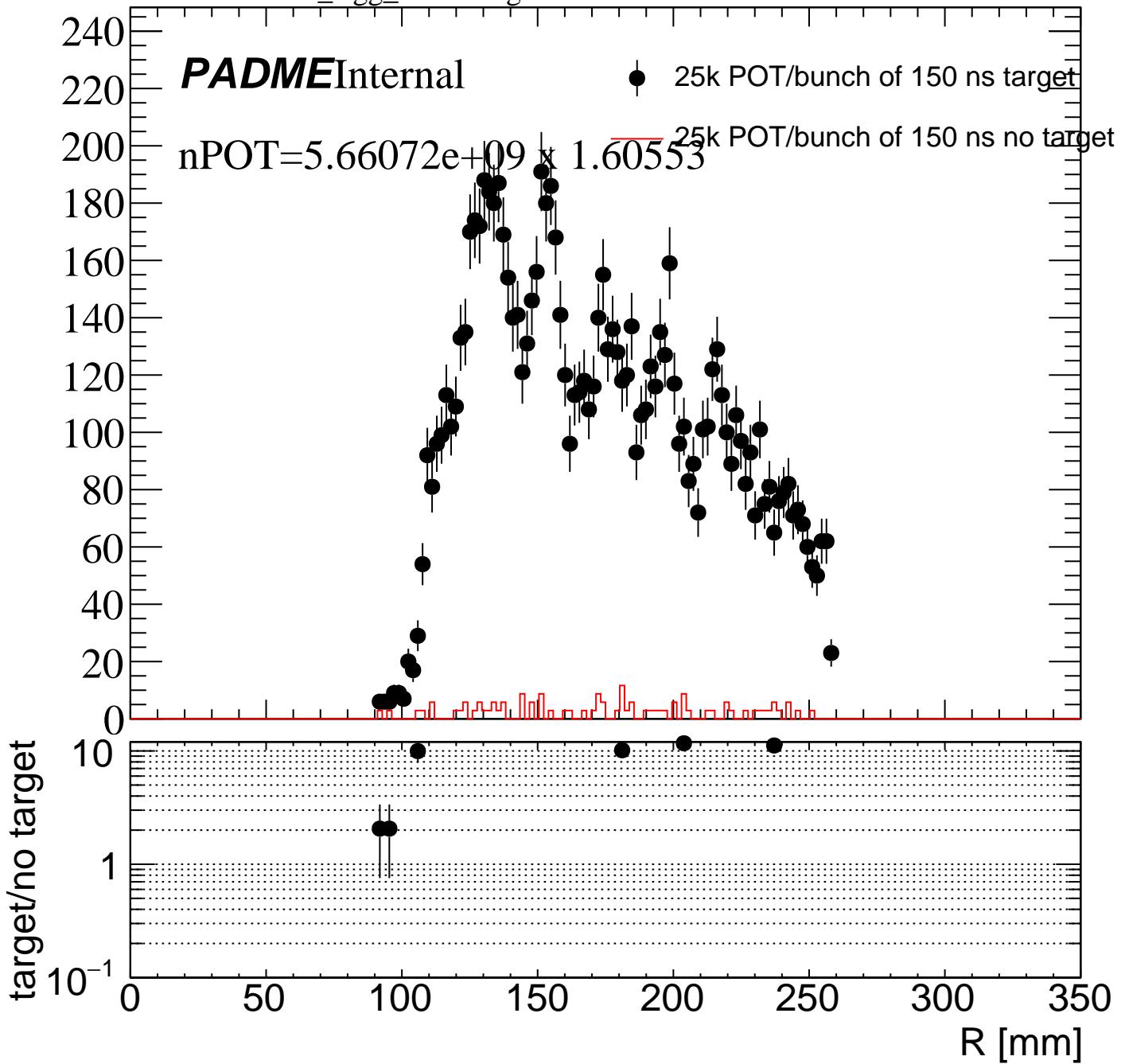
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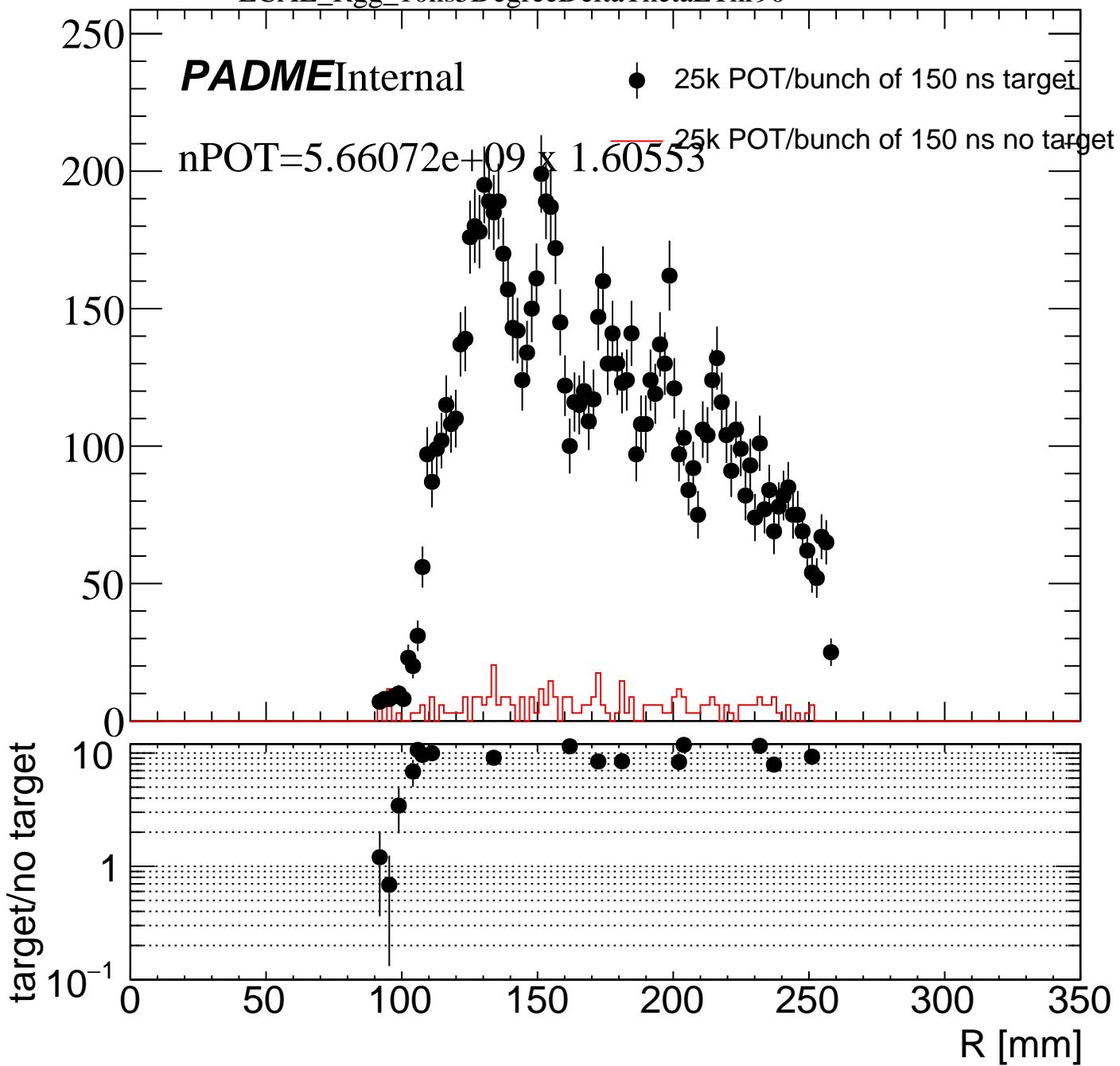
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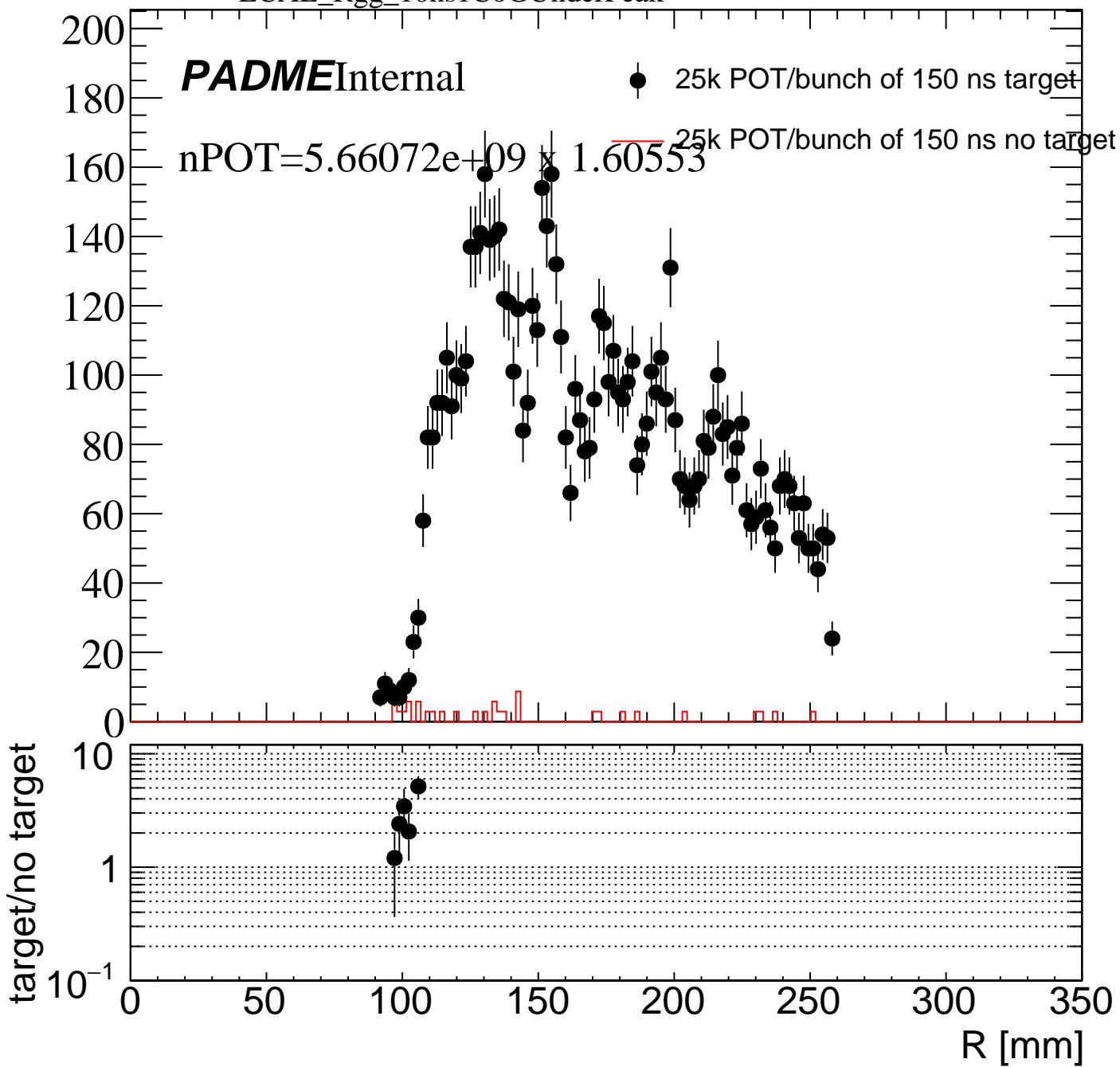
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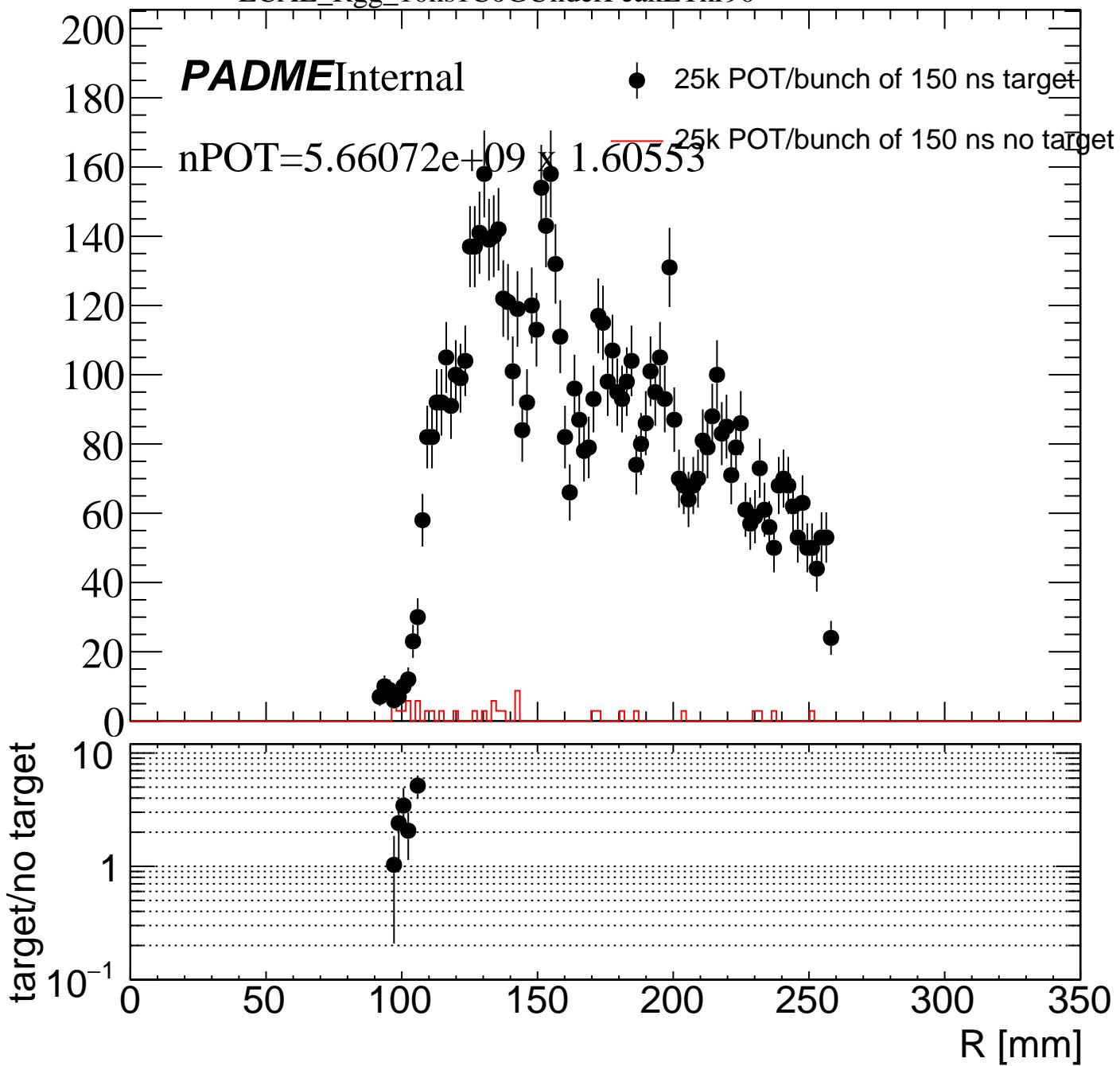
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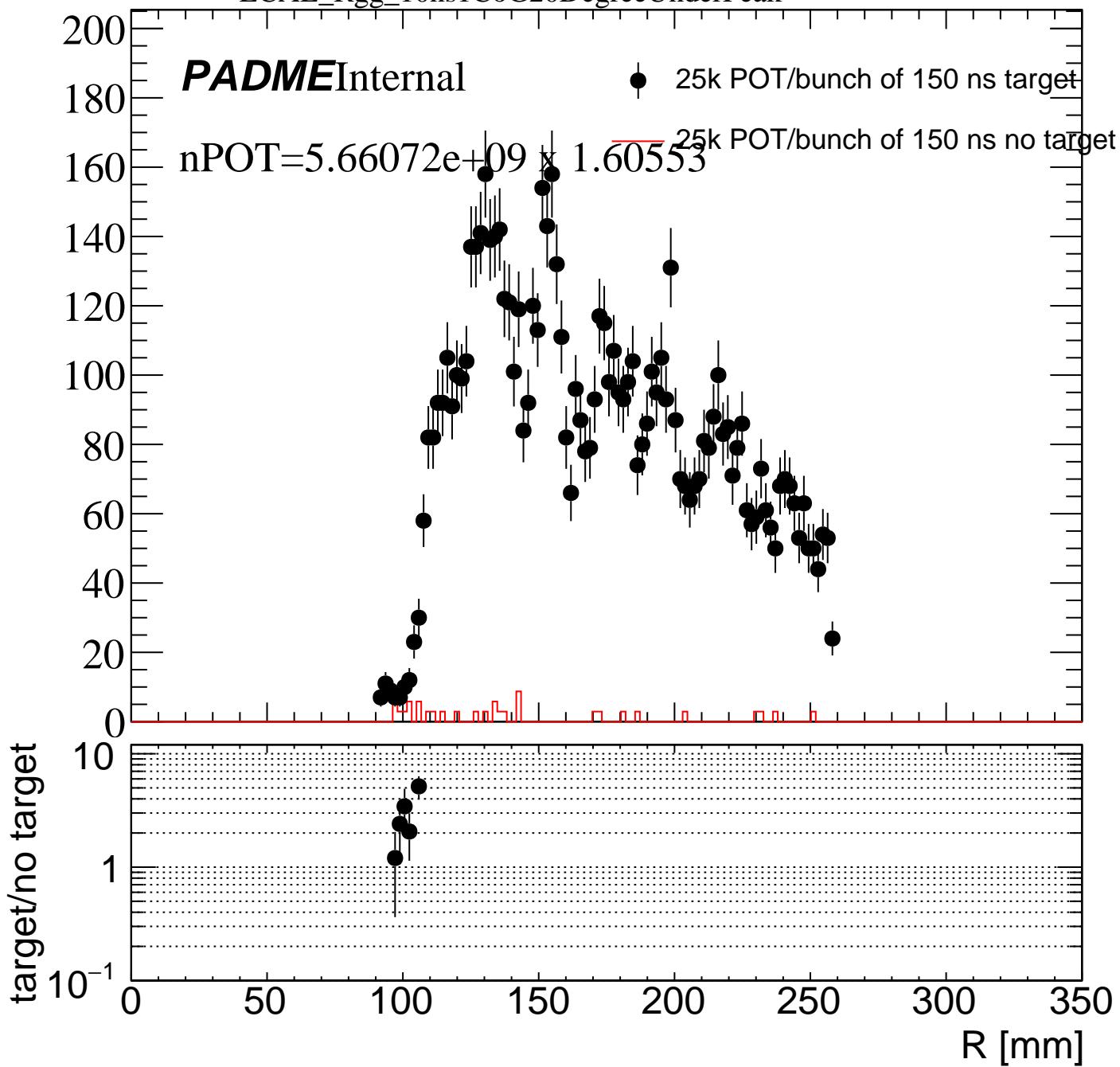
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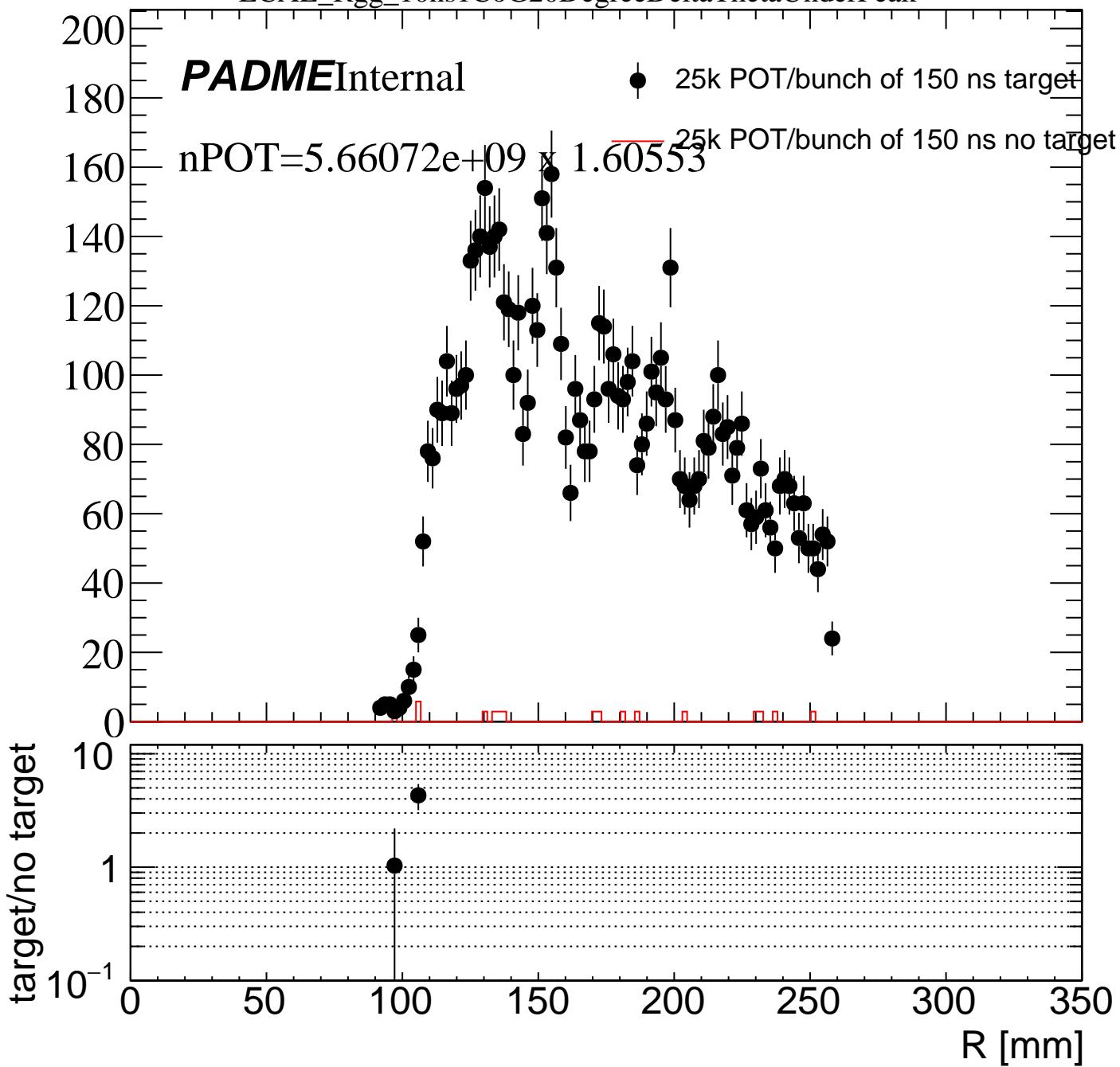
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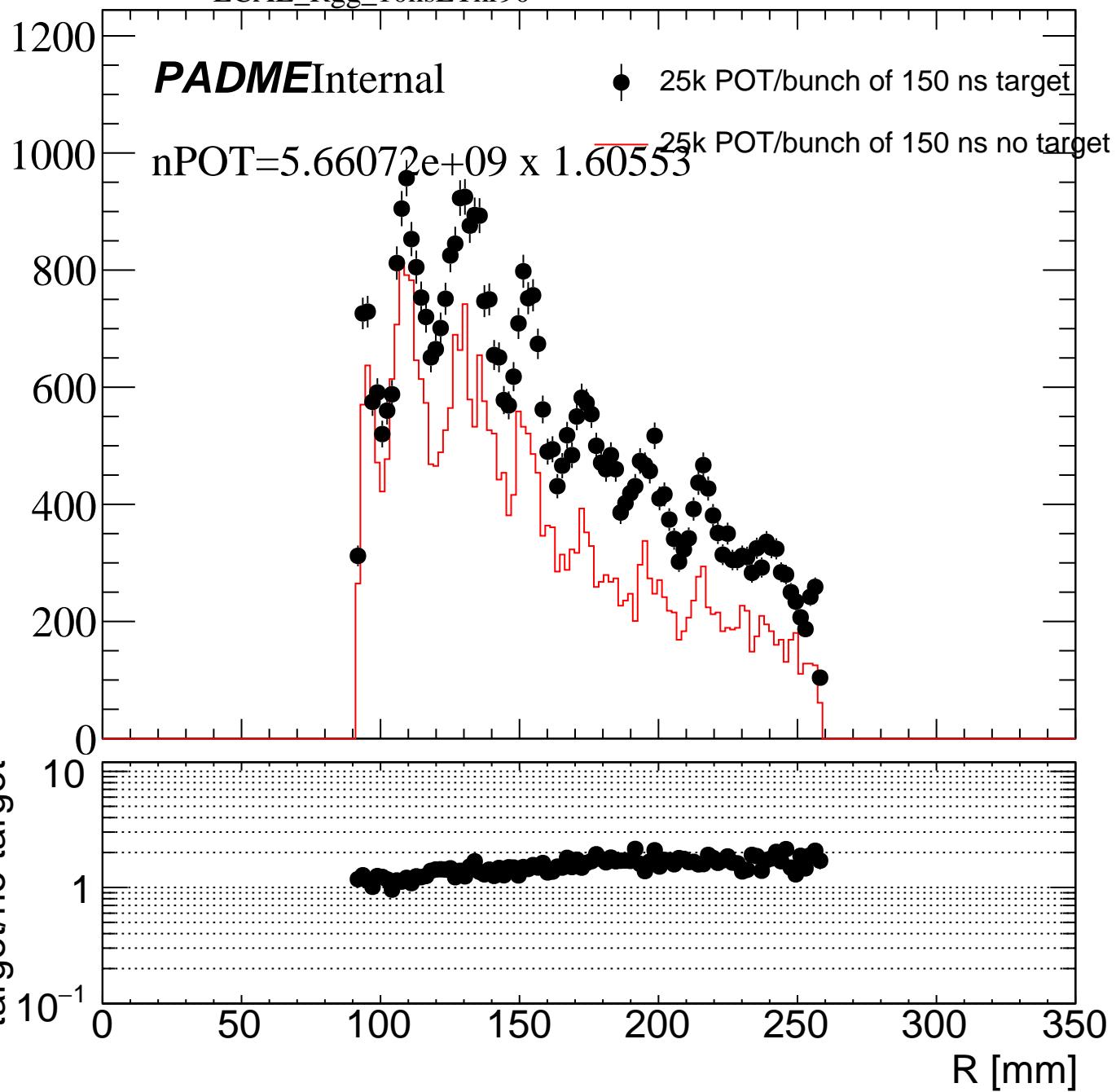
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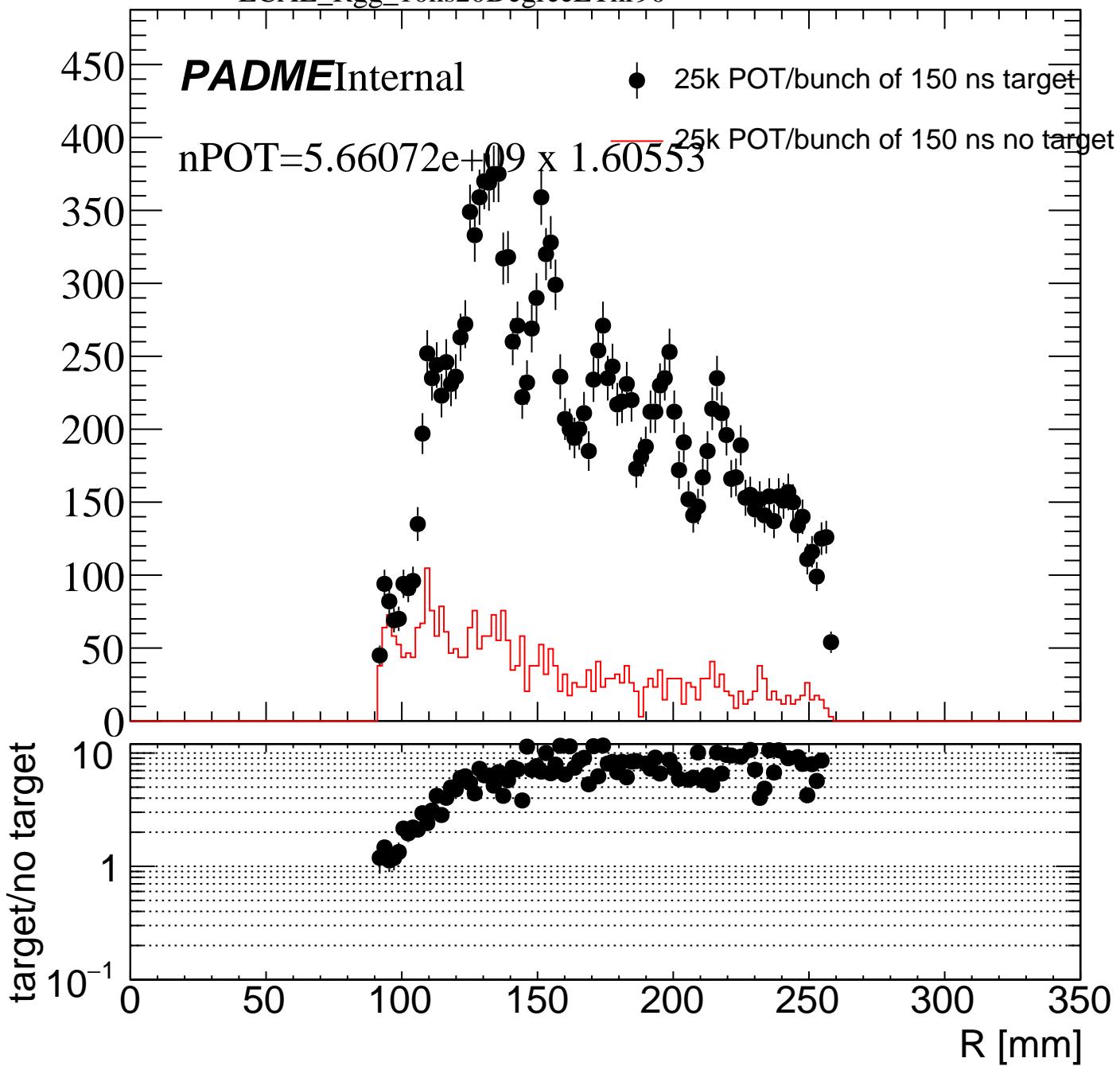
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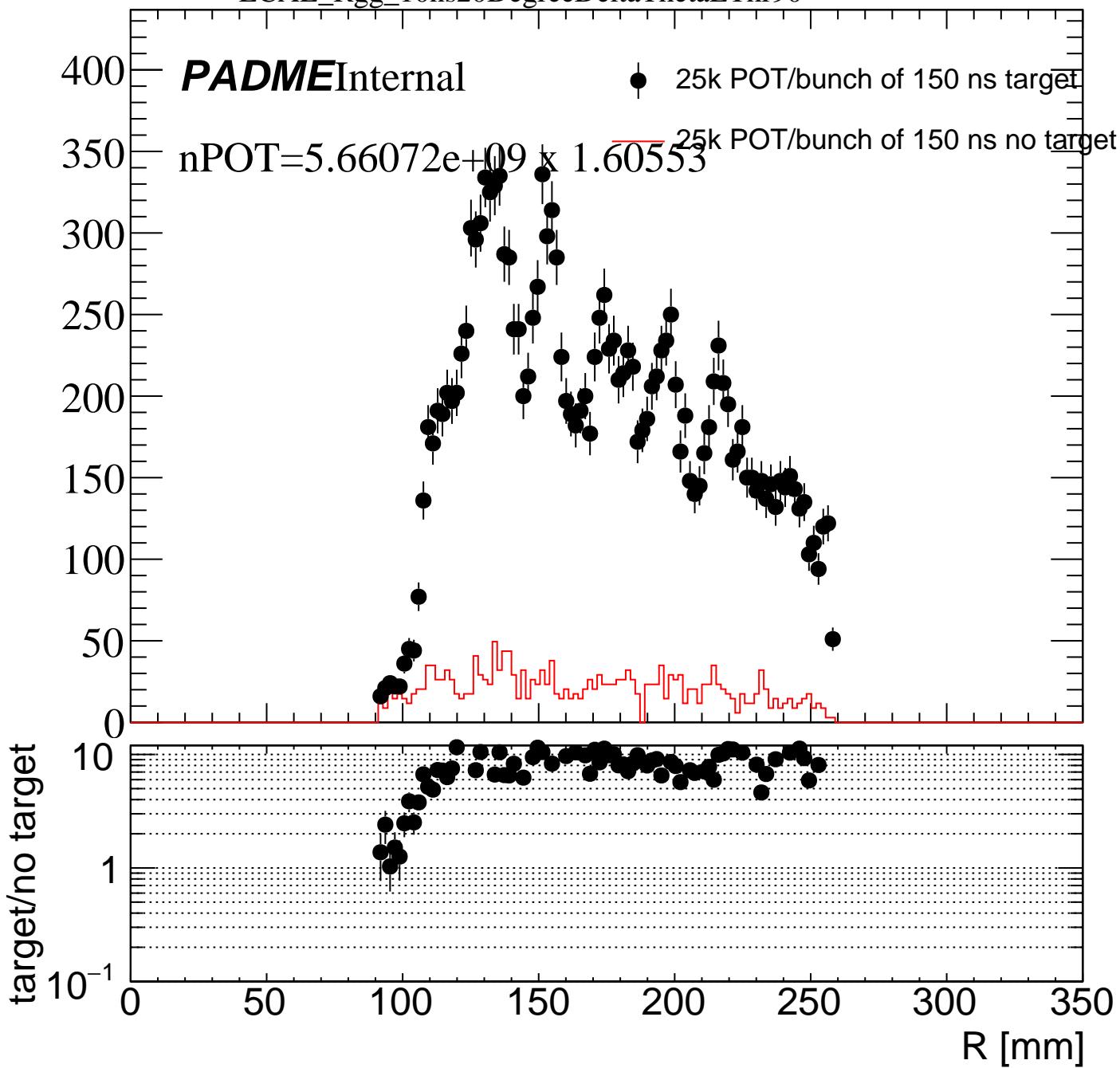
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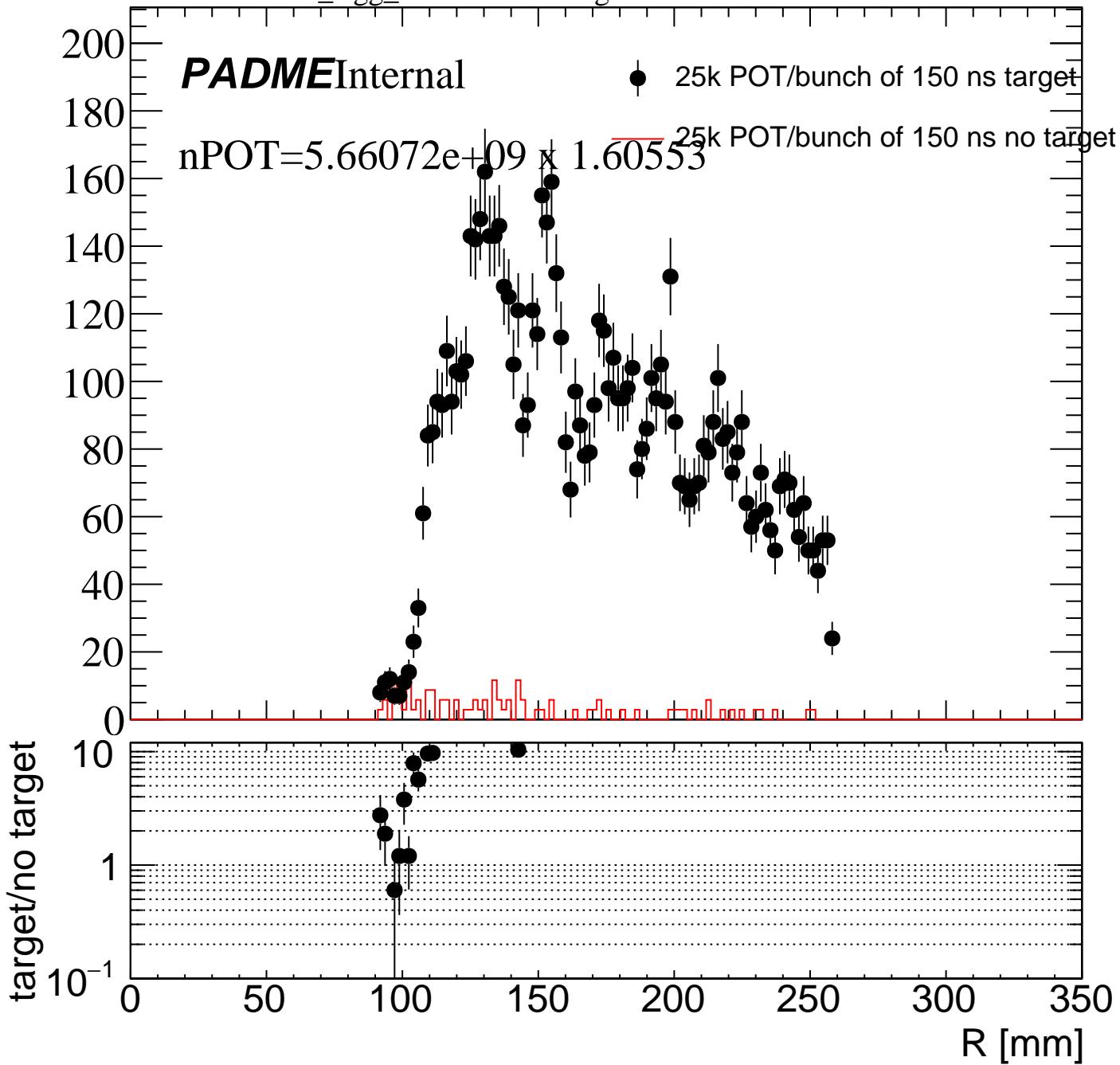
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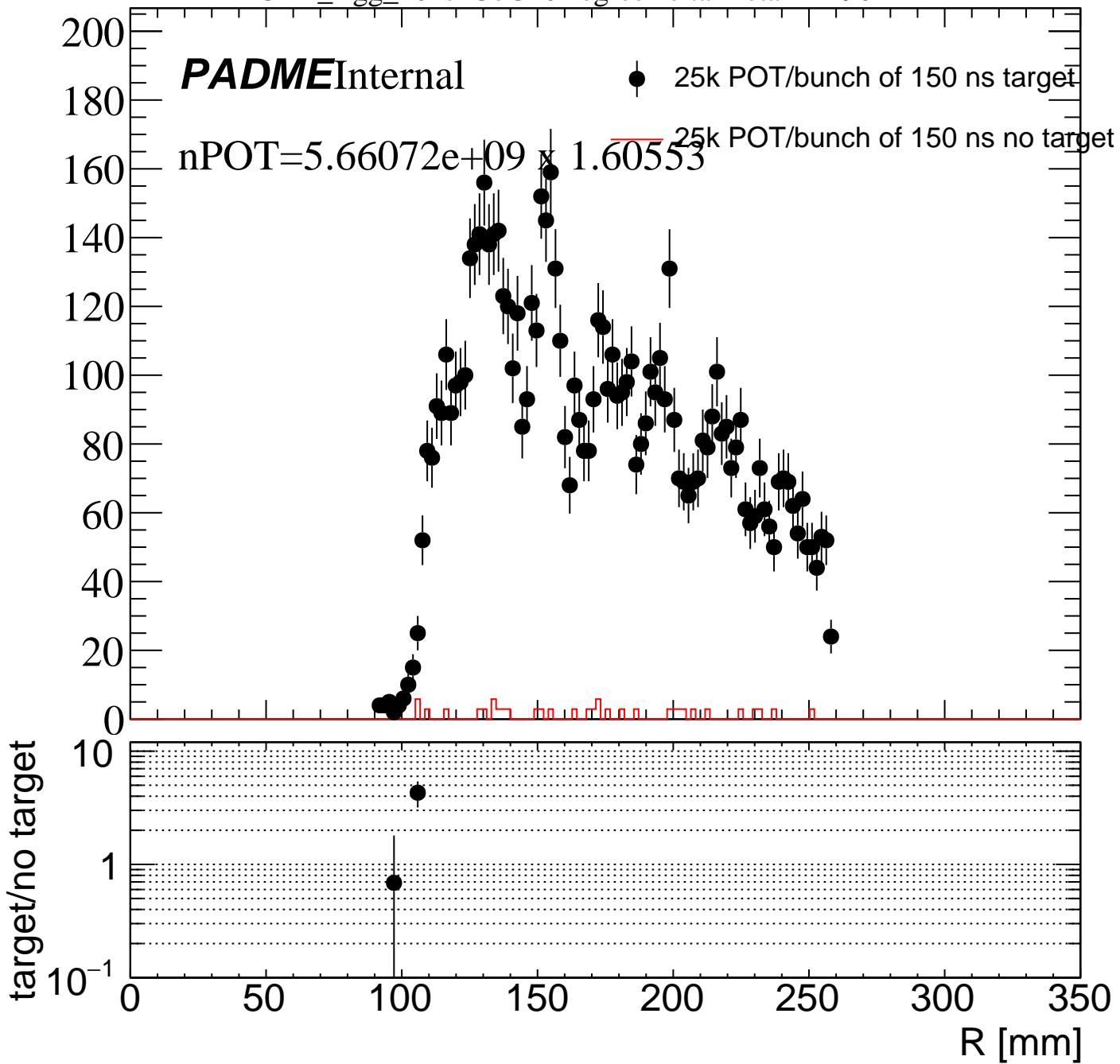
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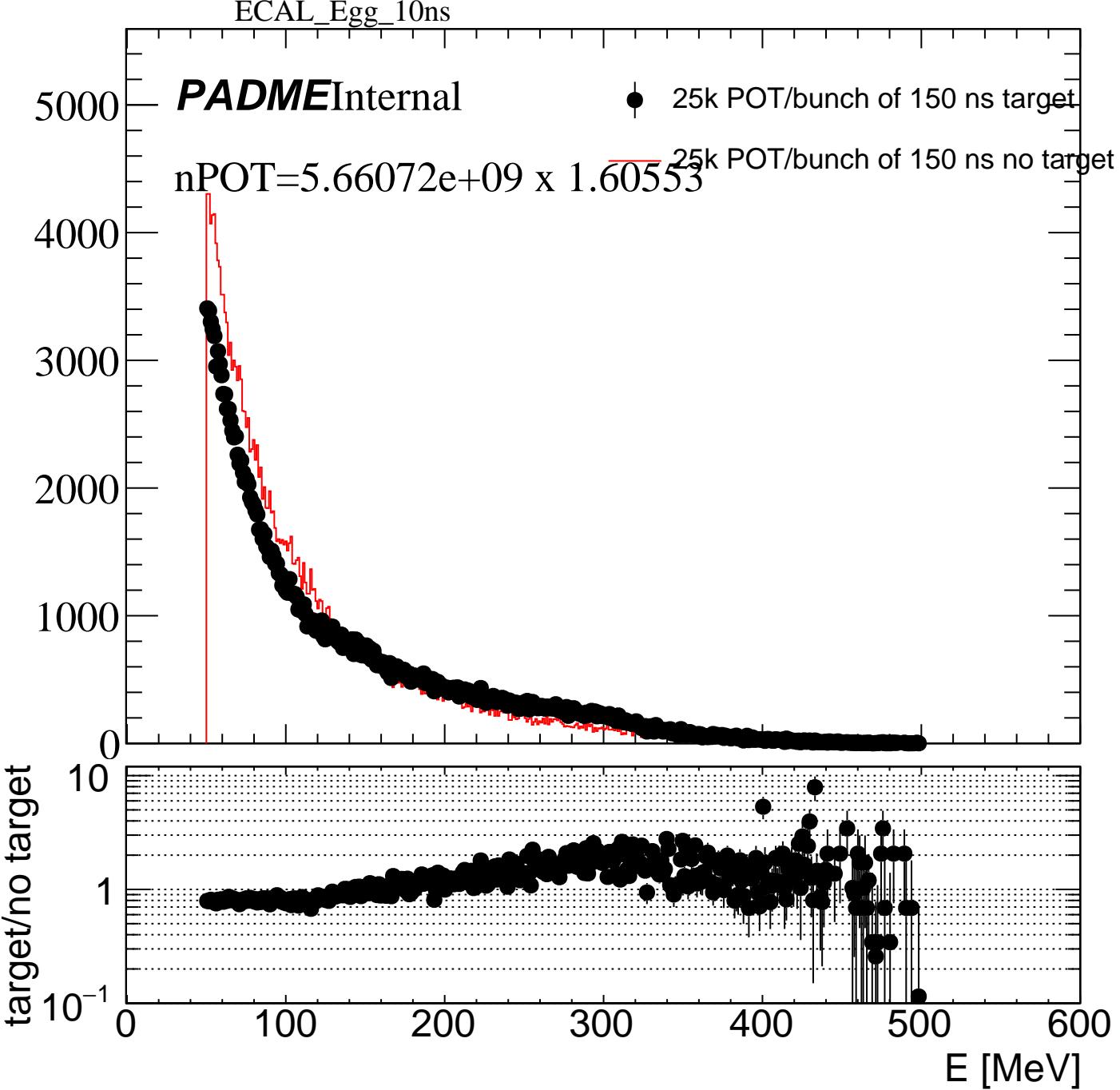
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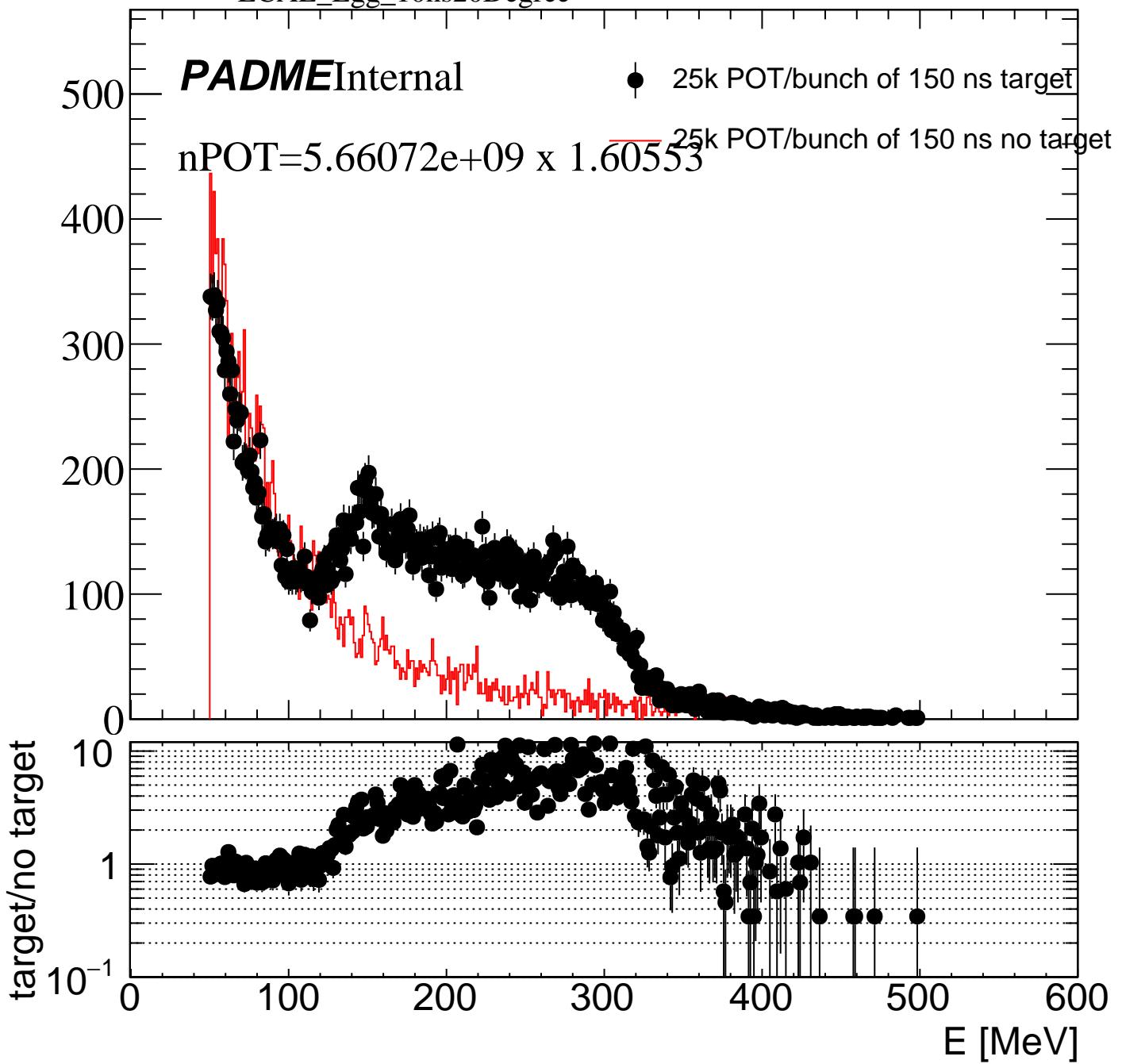
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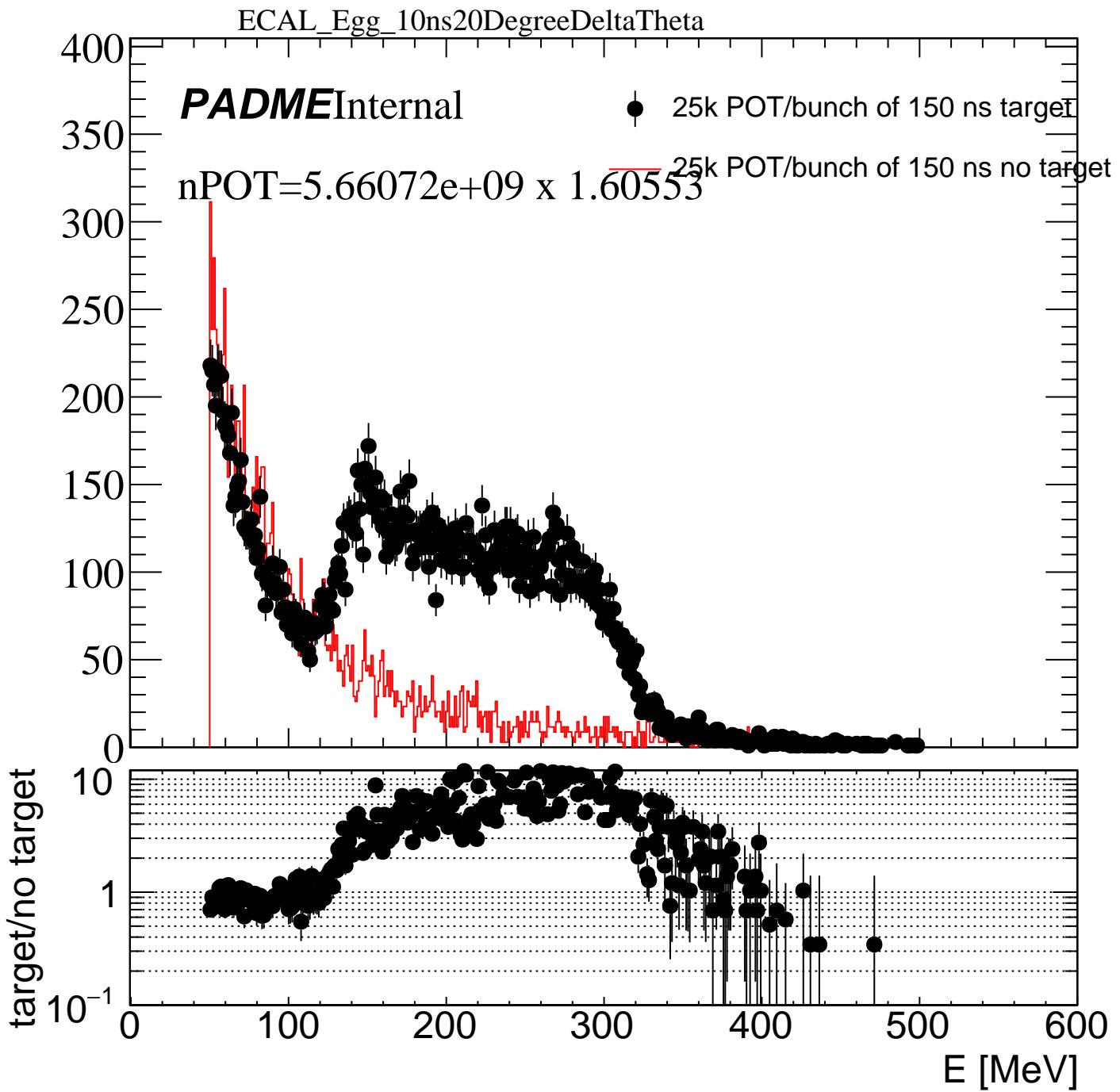


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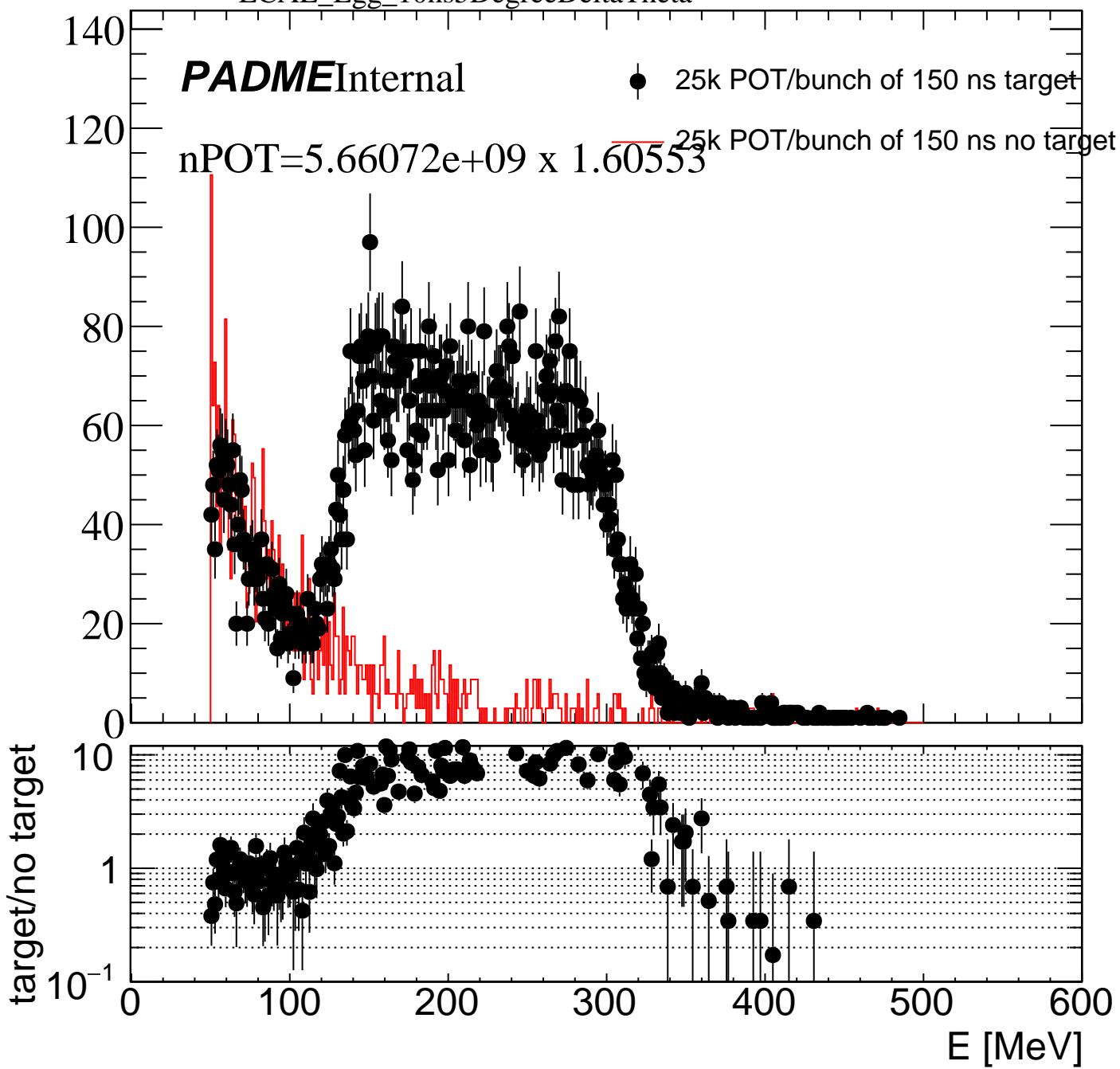


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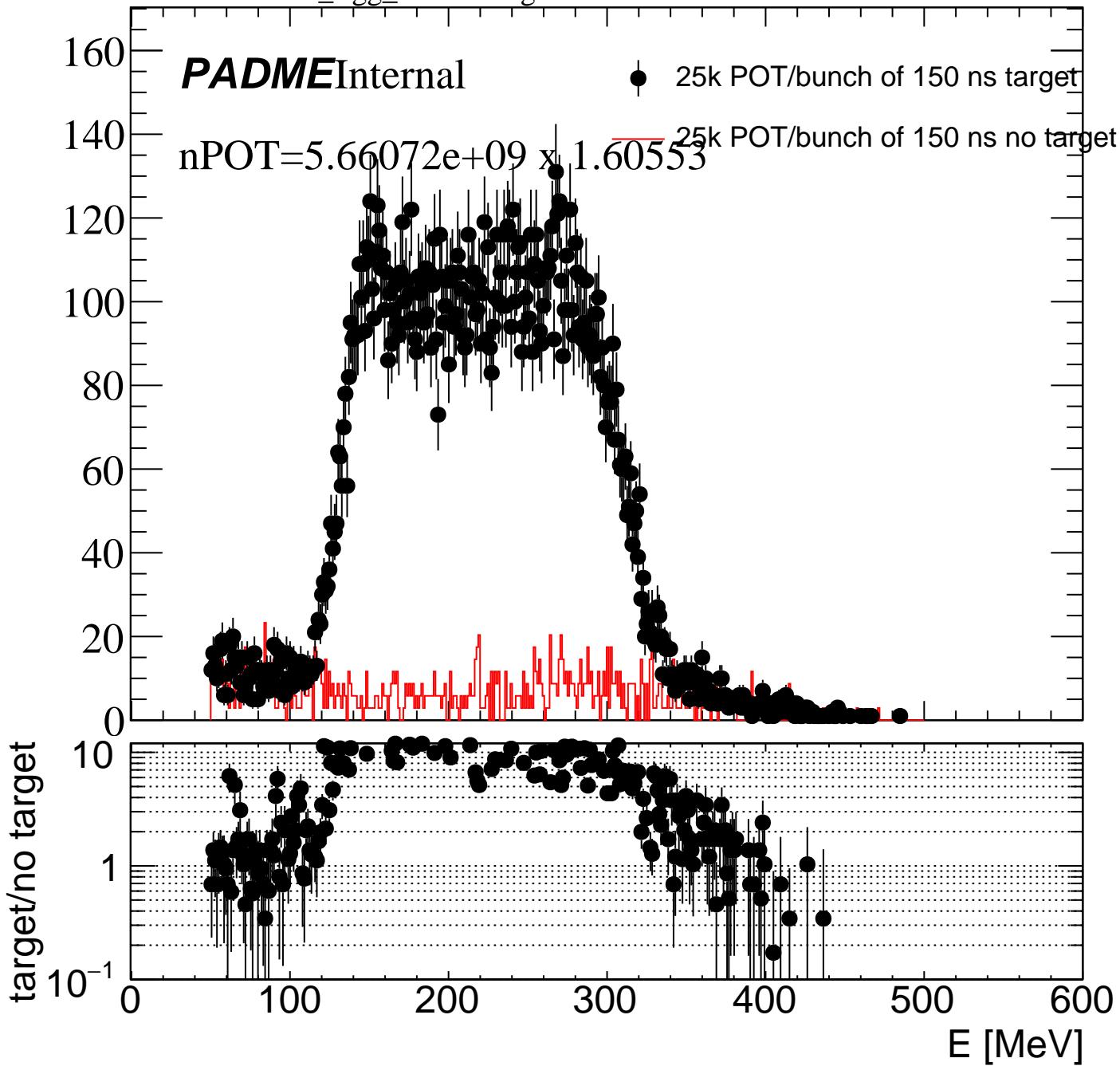




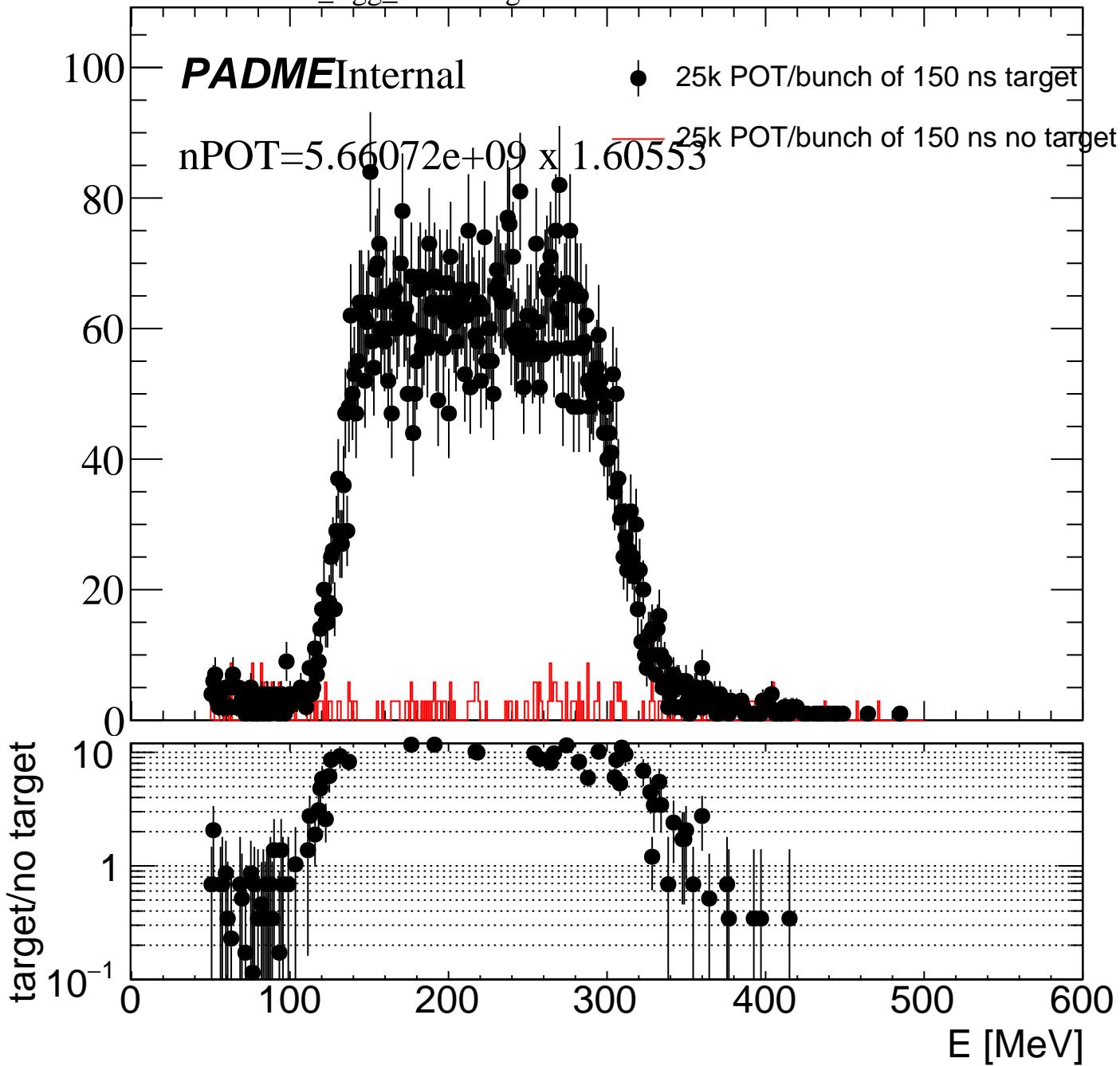
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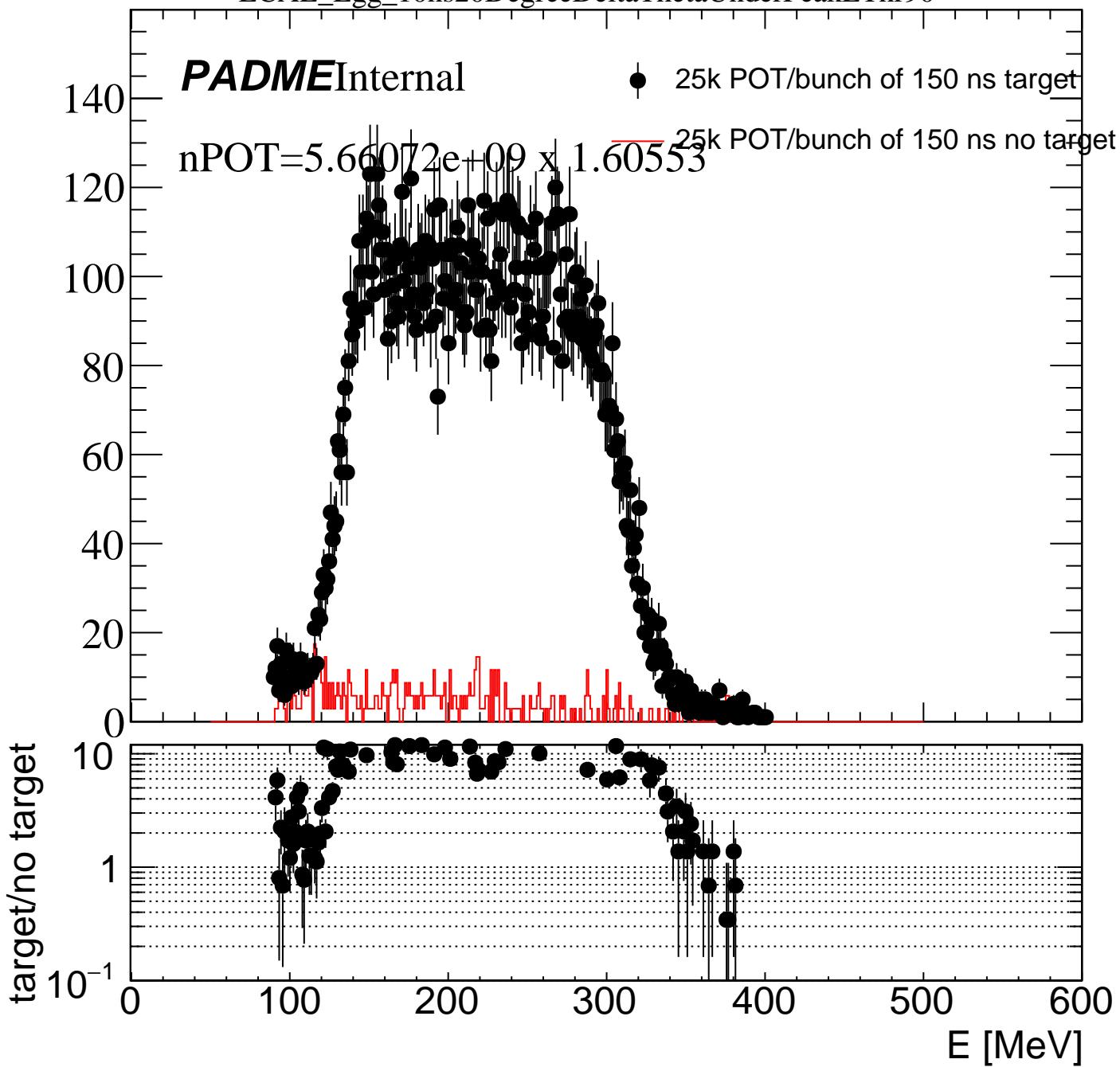
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak



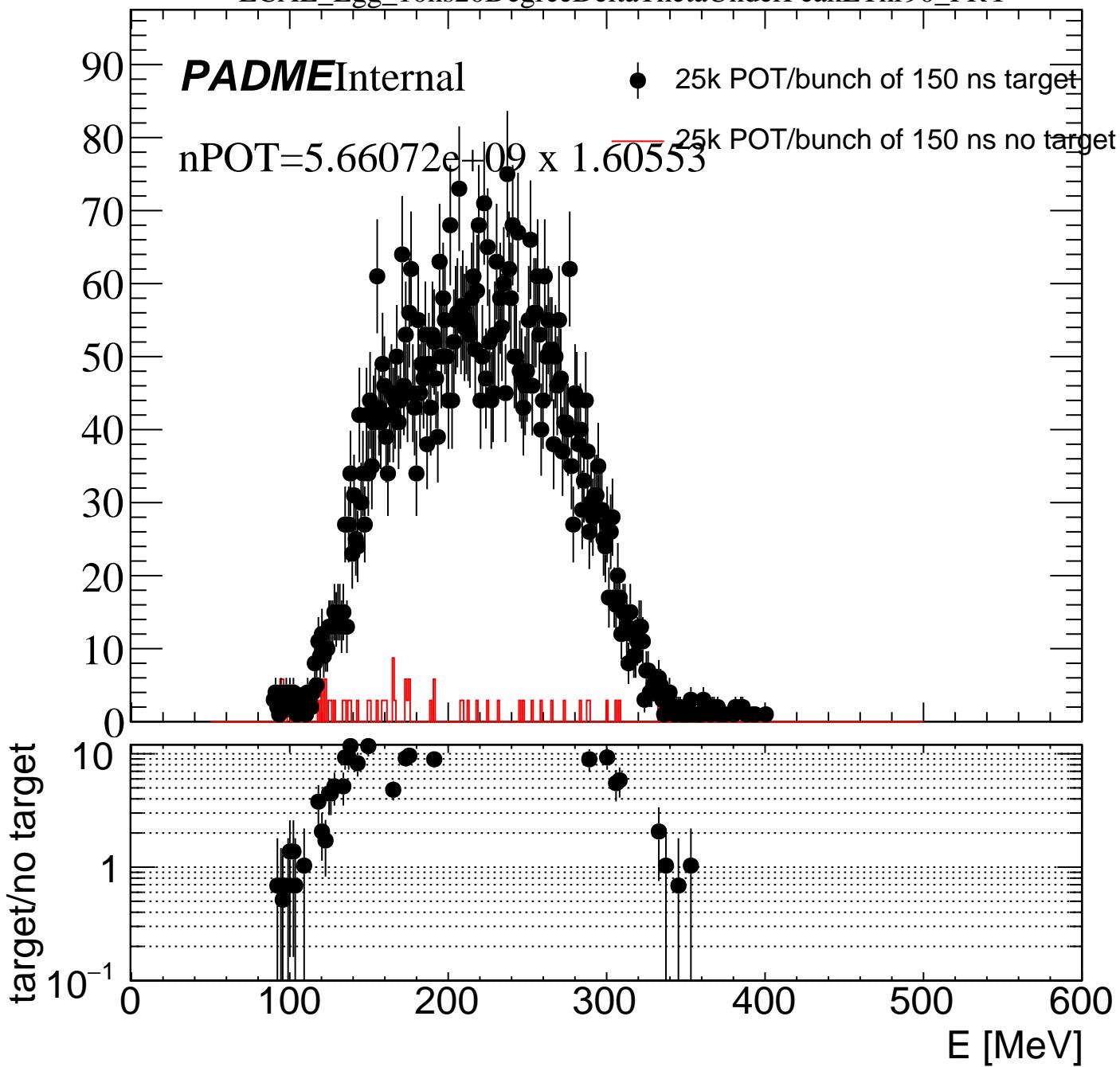
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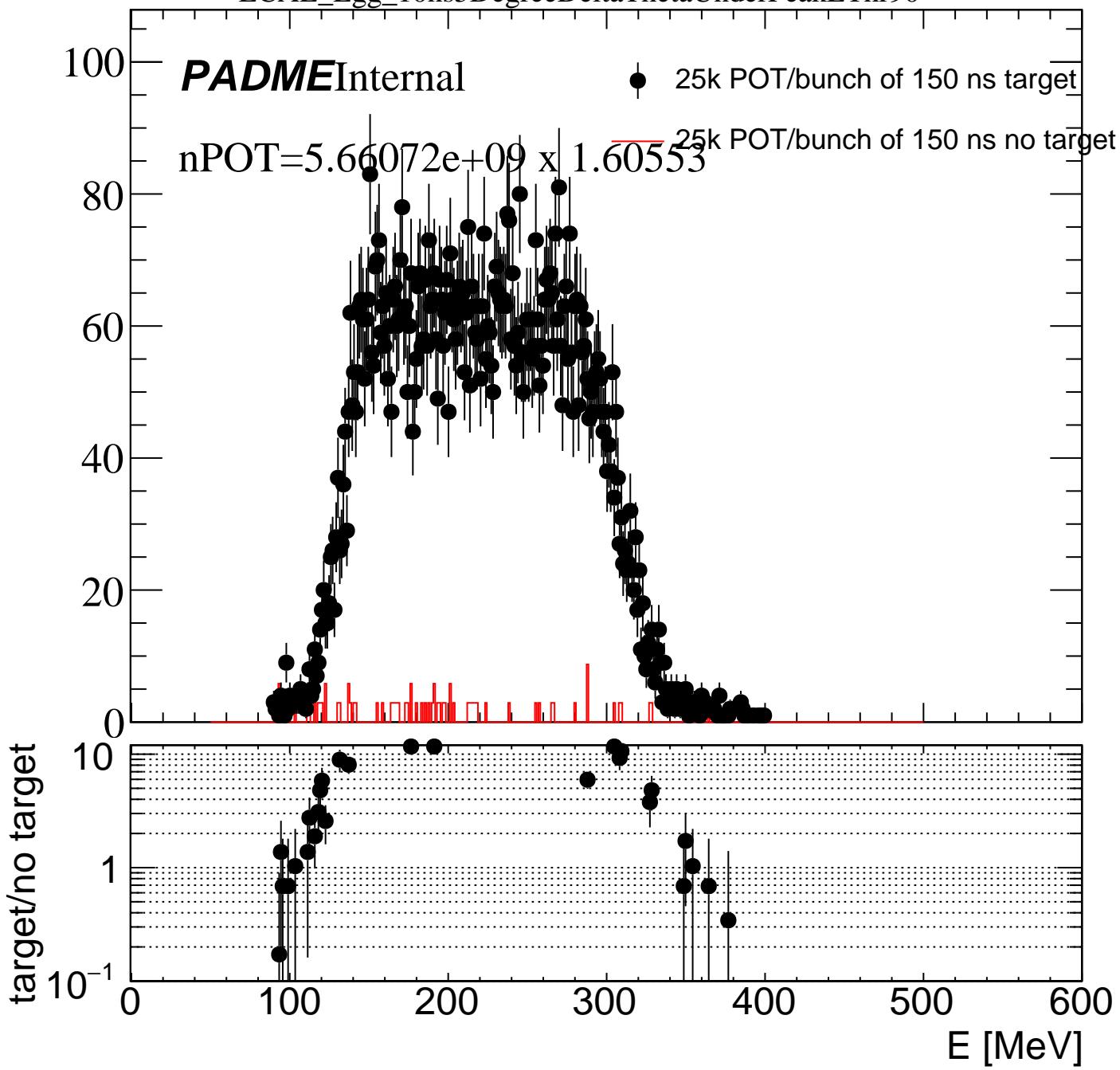
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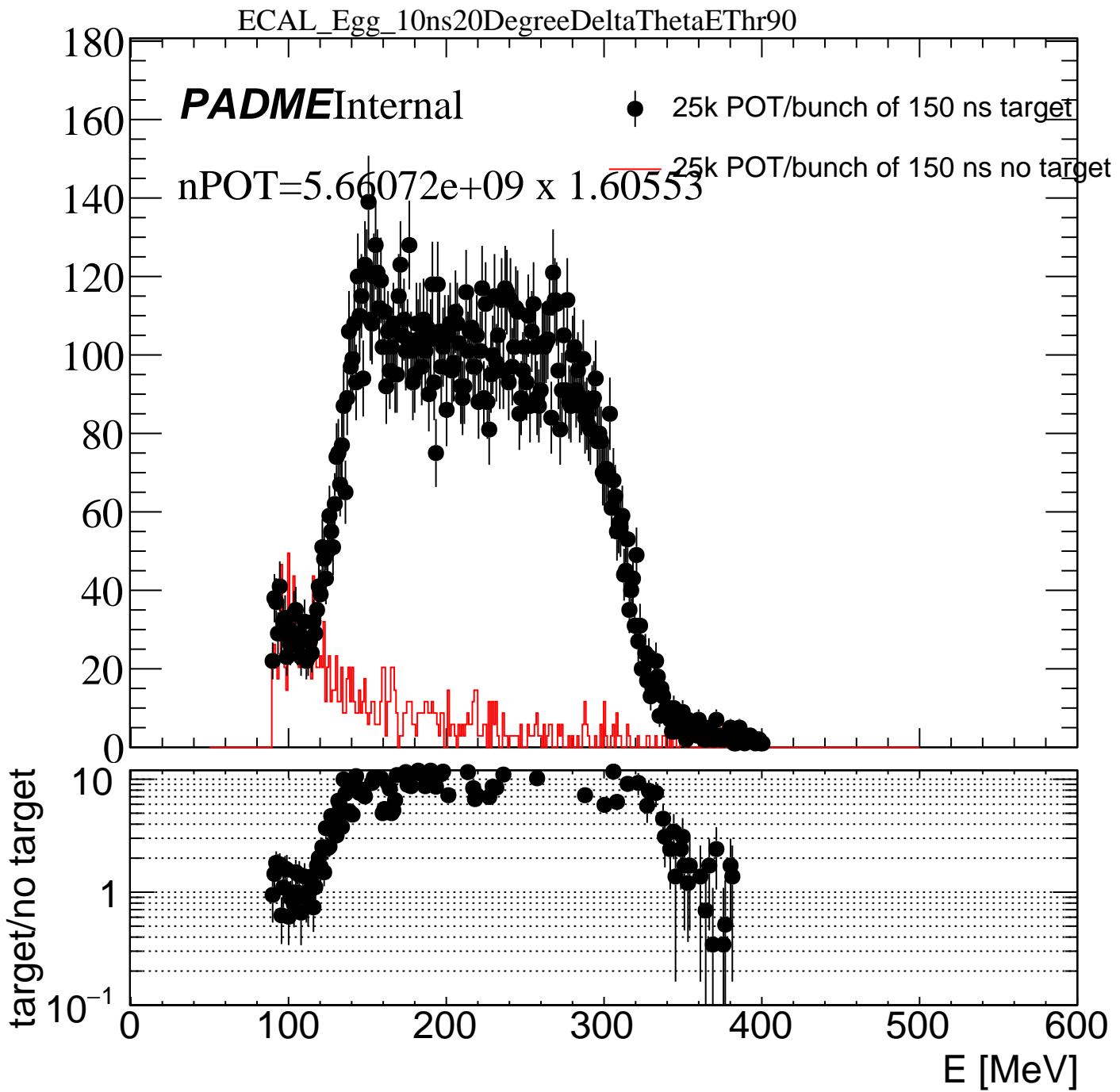


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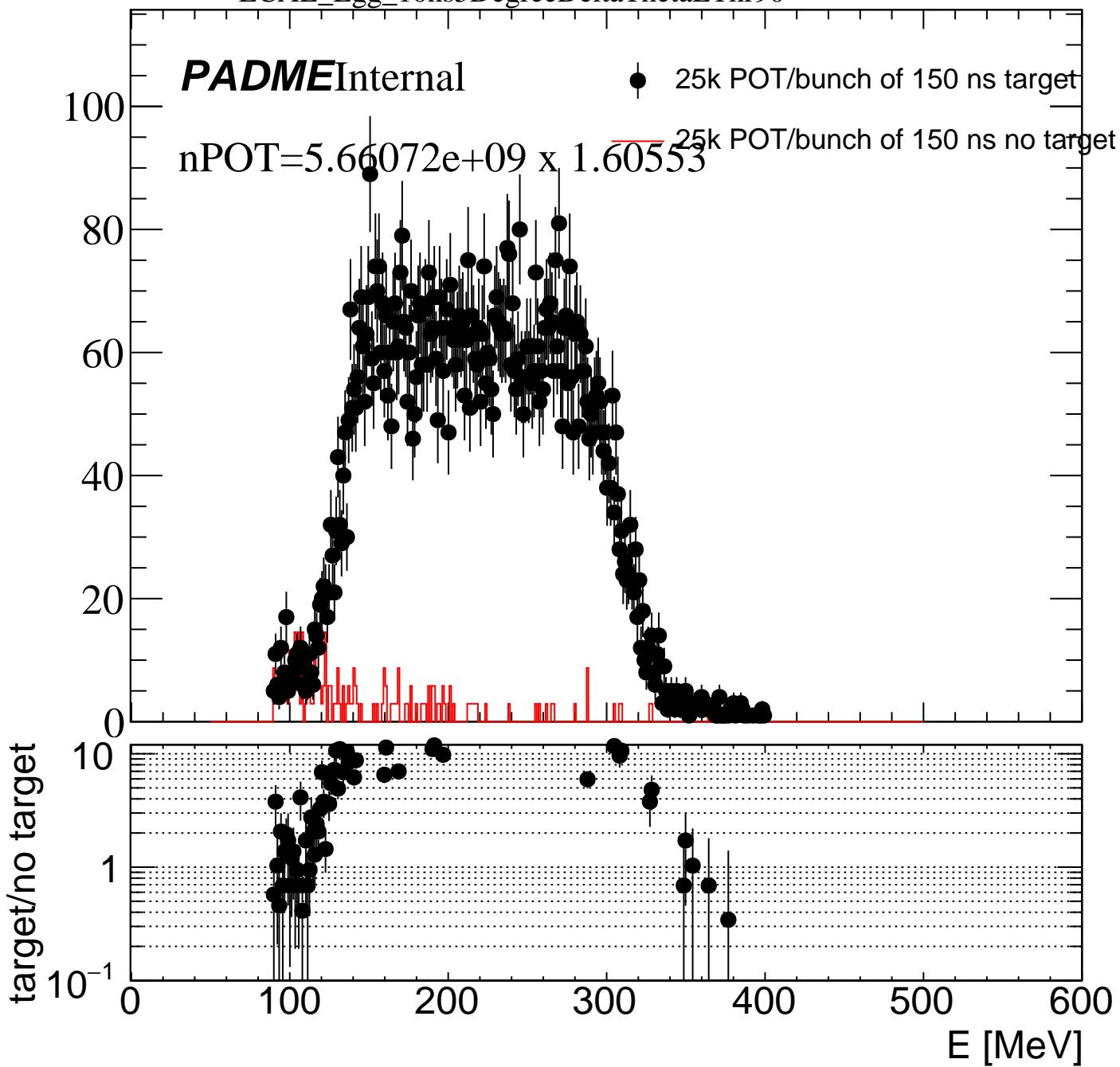


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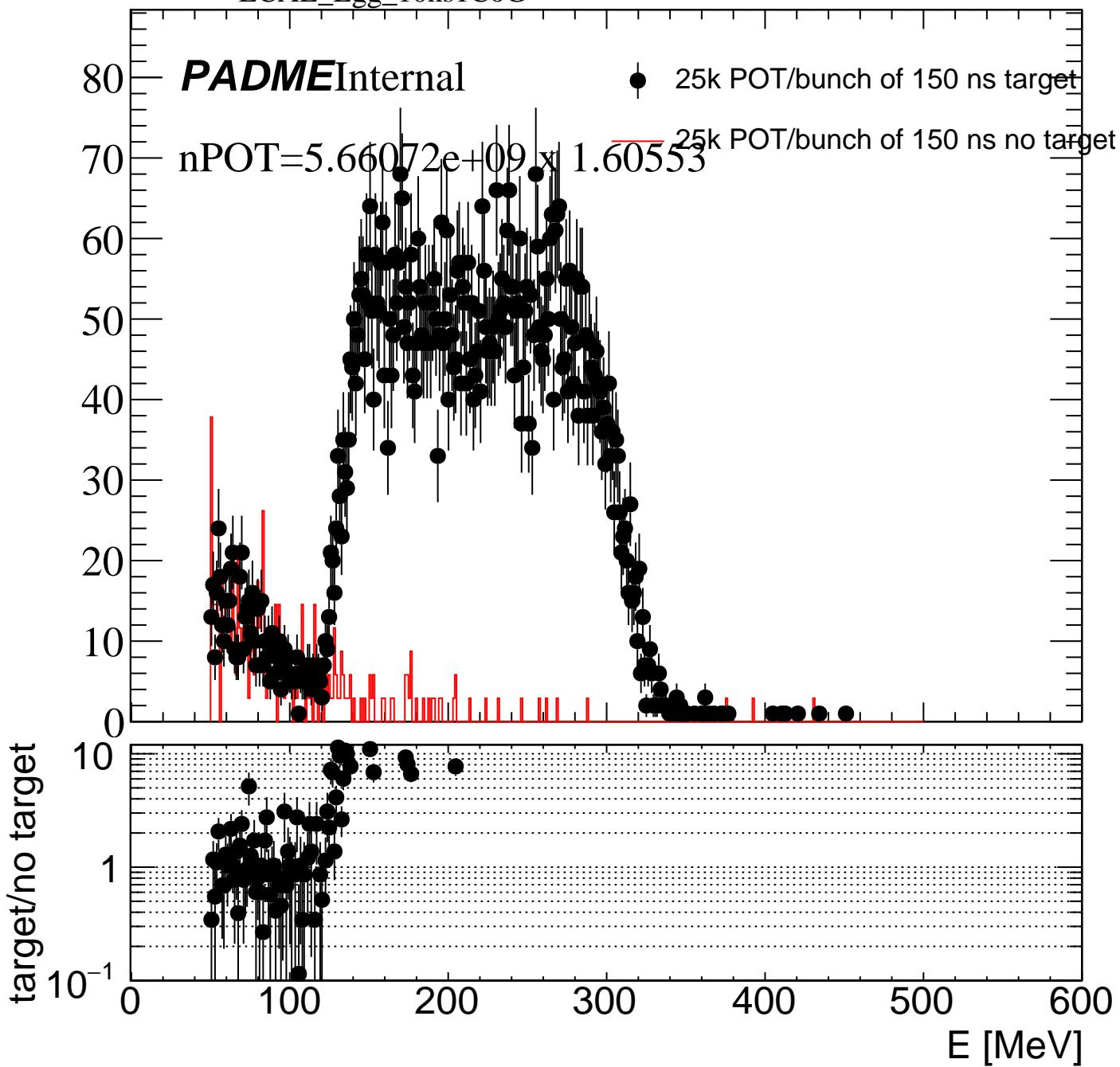




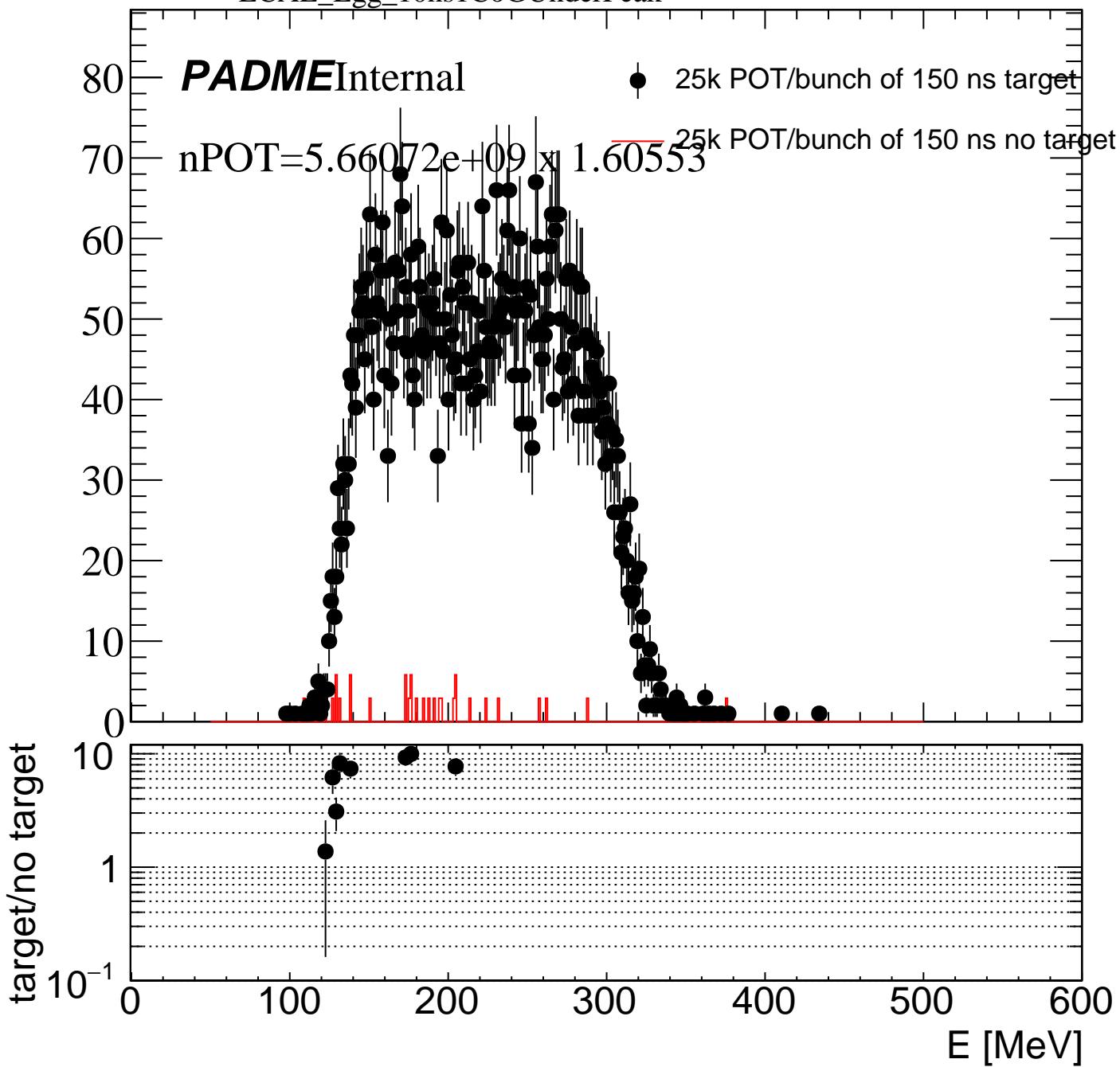
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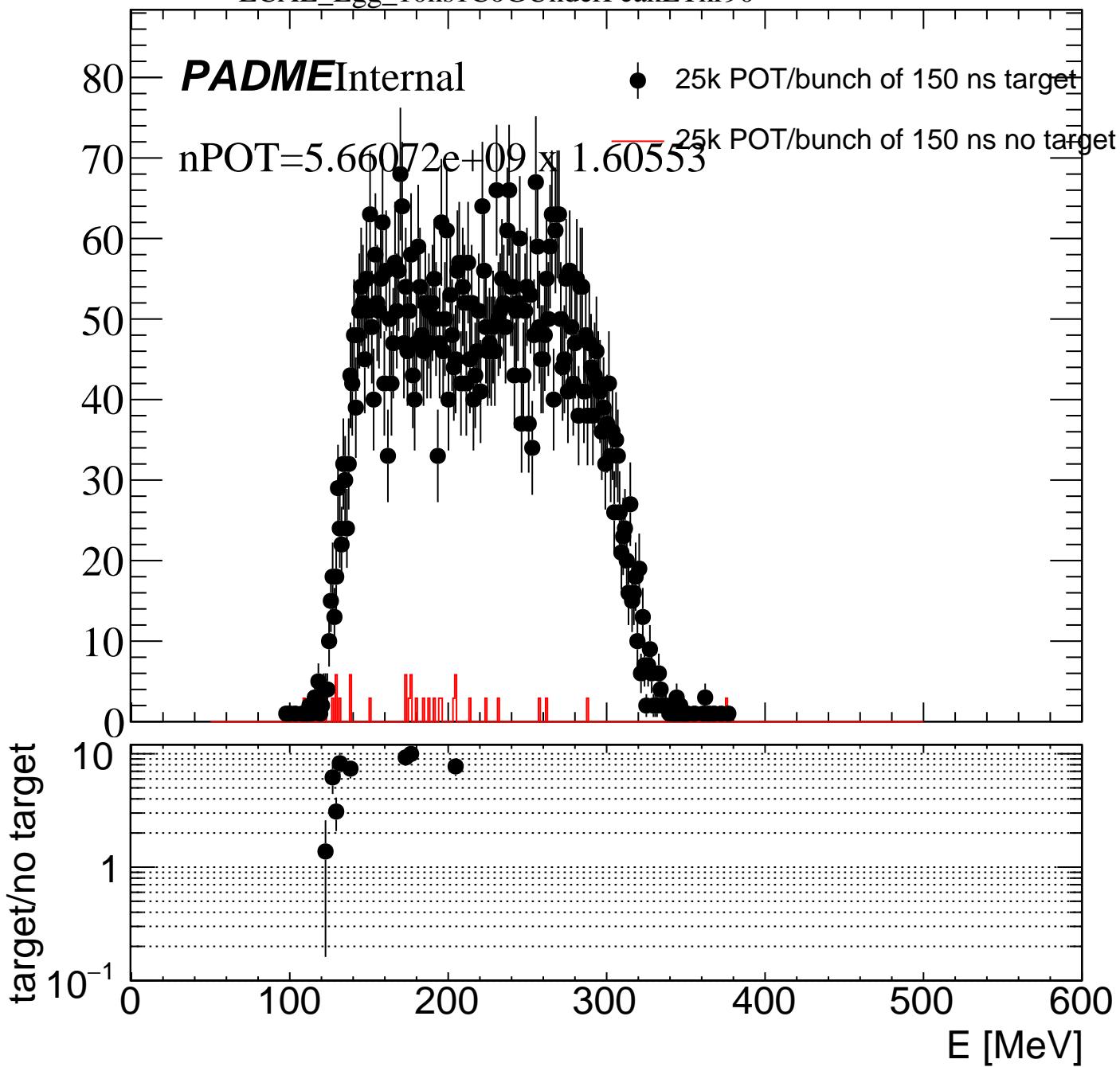
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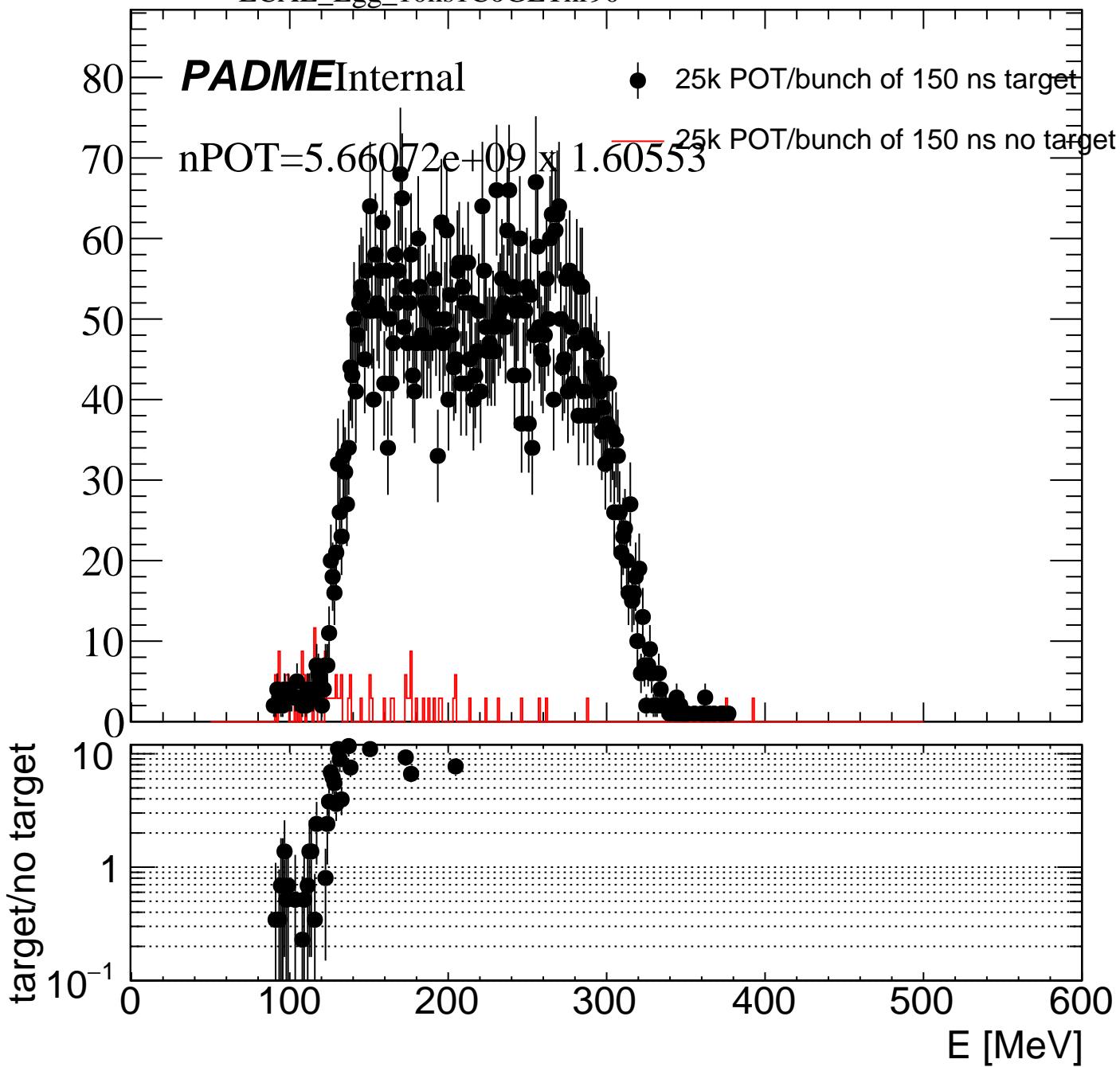
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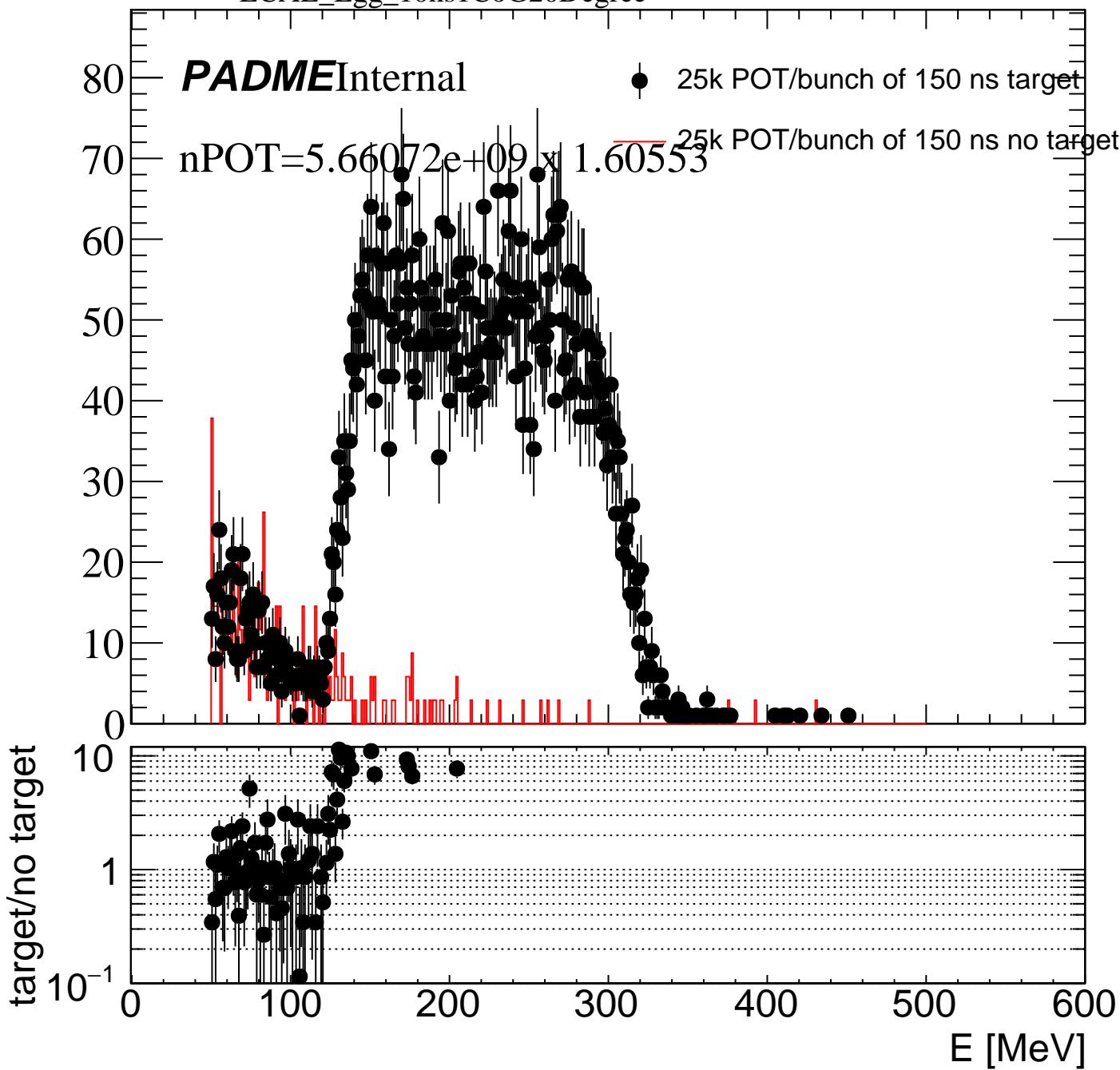
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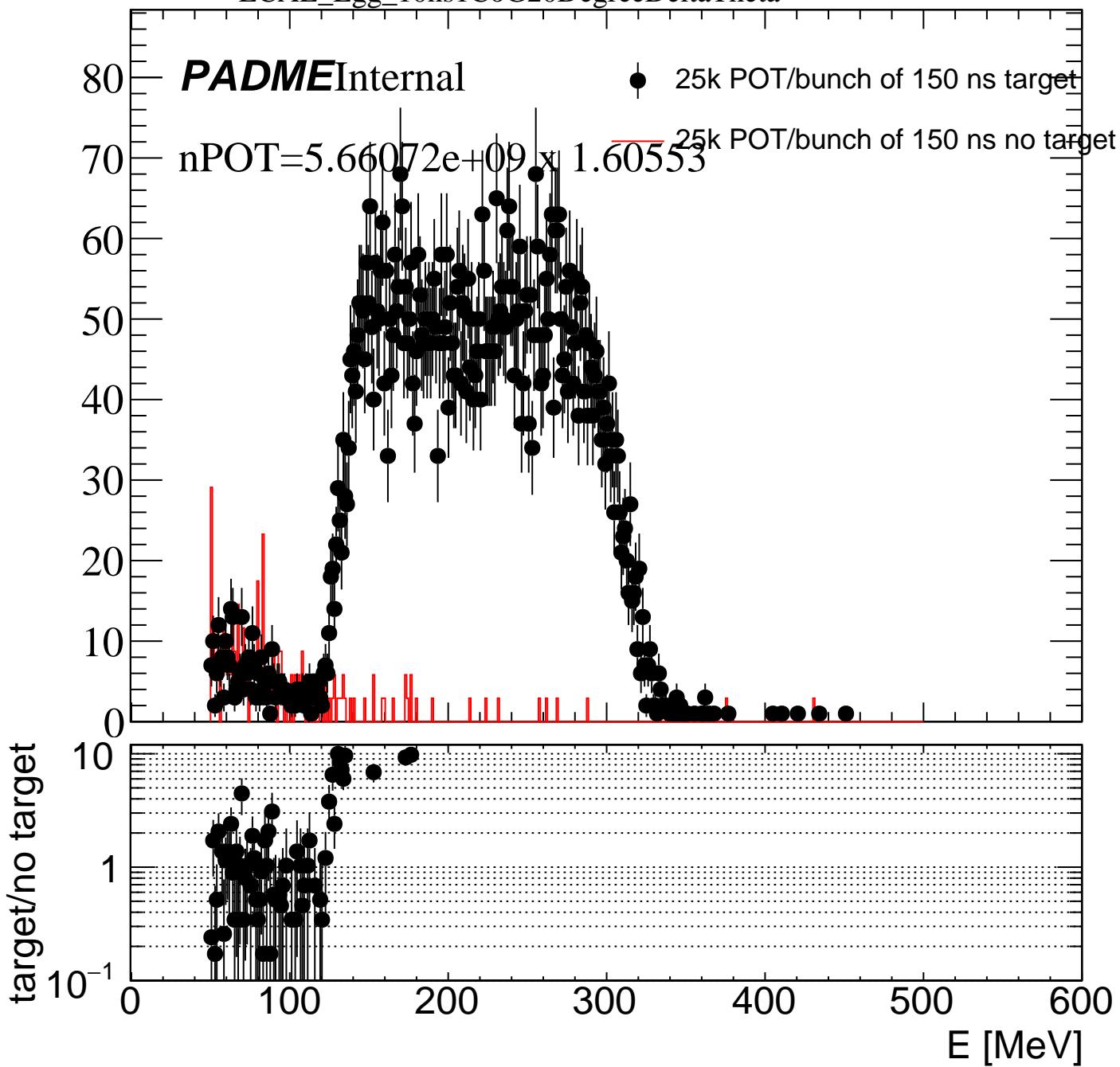
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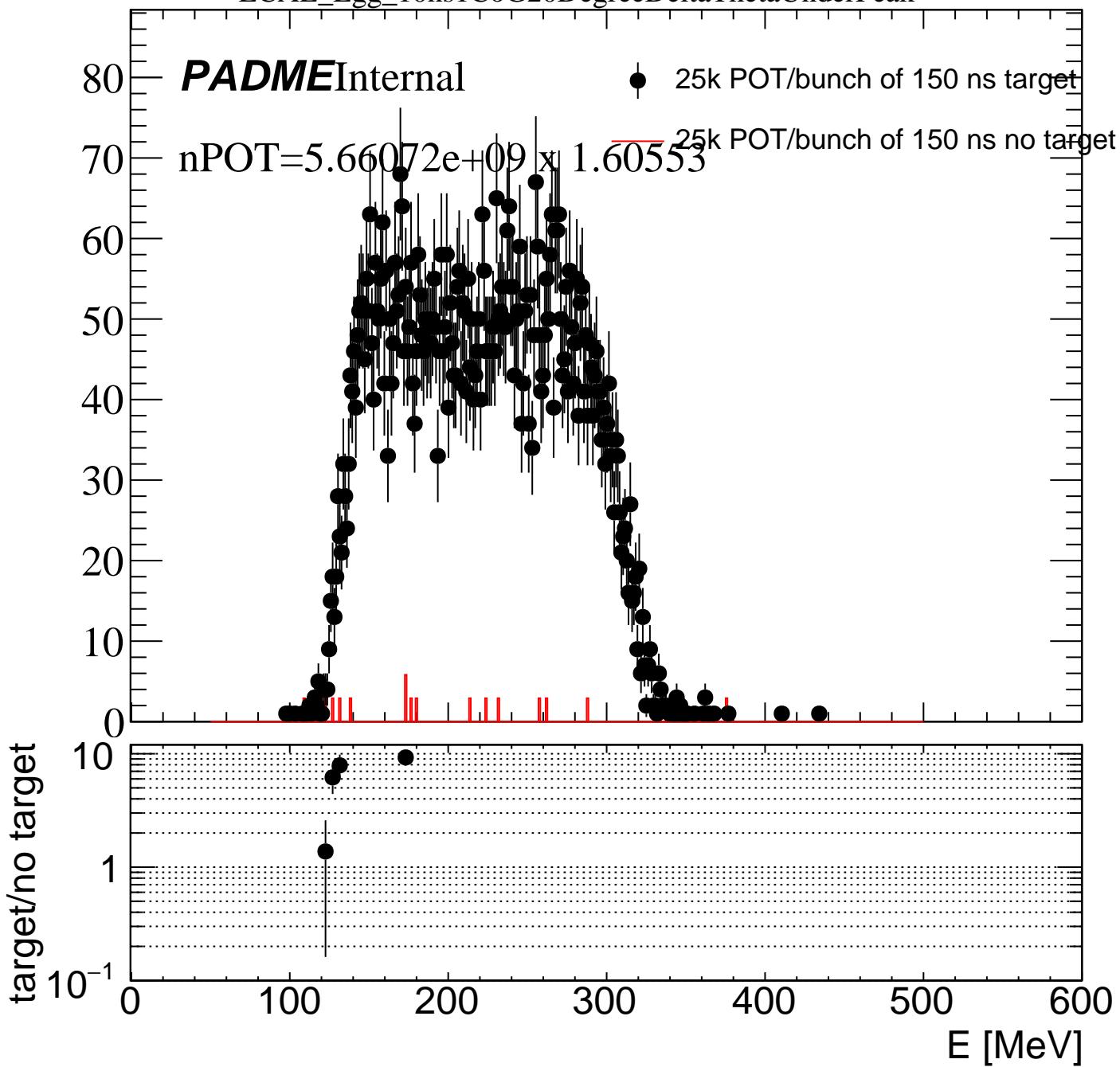
ECAL_Egg_10ns1CoG20Degree



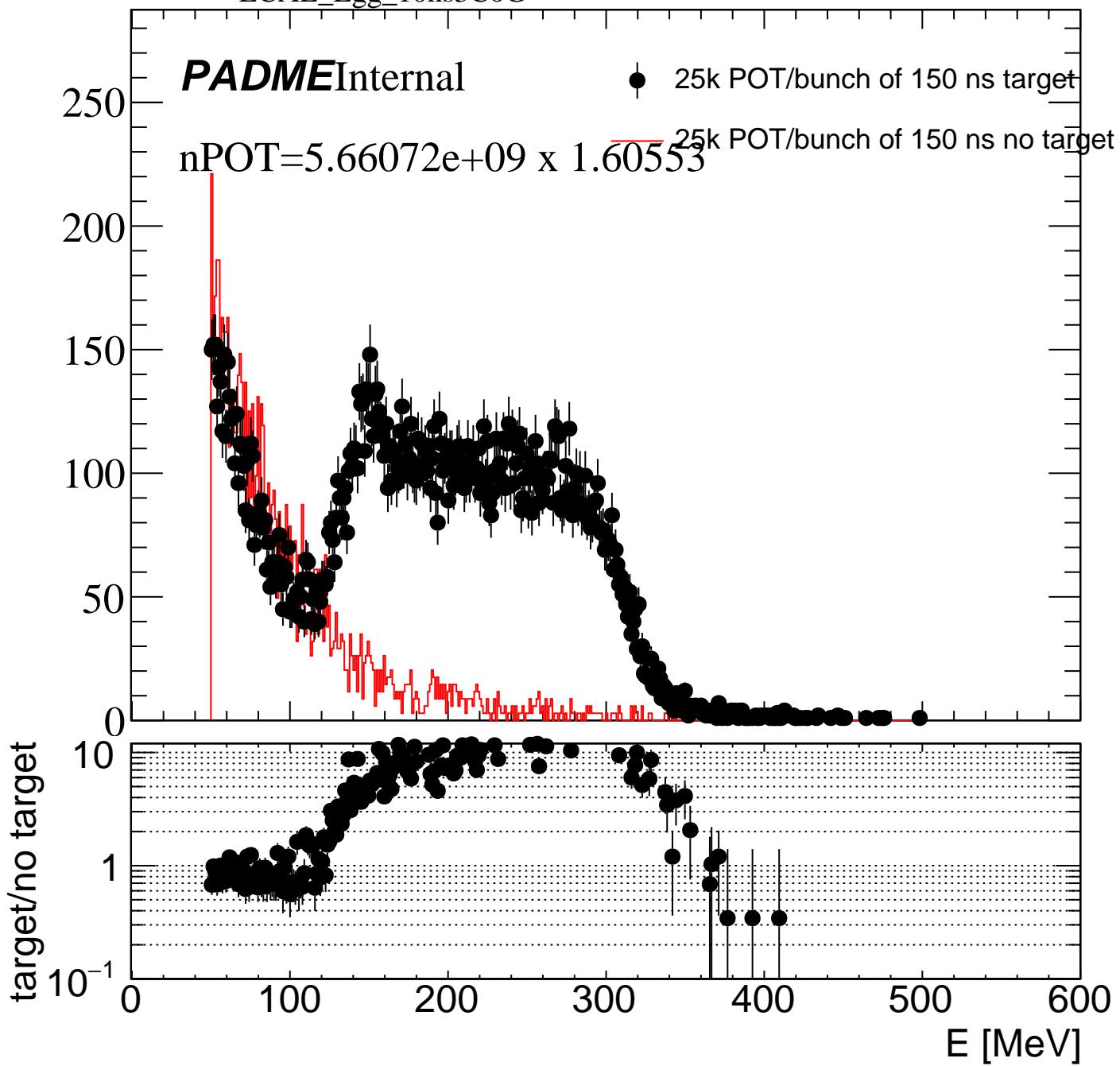
ECAL_Egg_10ns1CoG20DegreeDeltaTheta



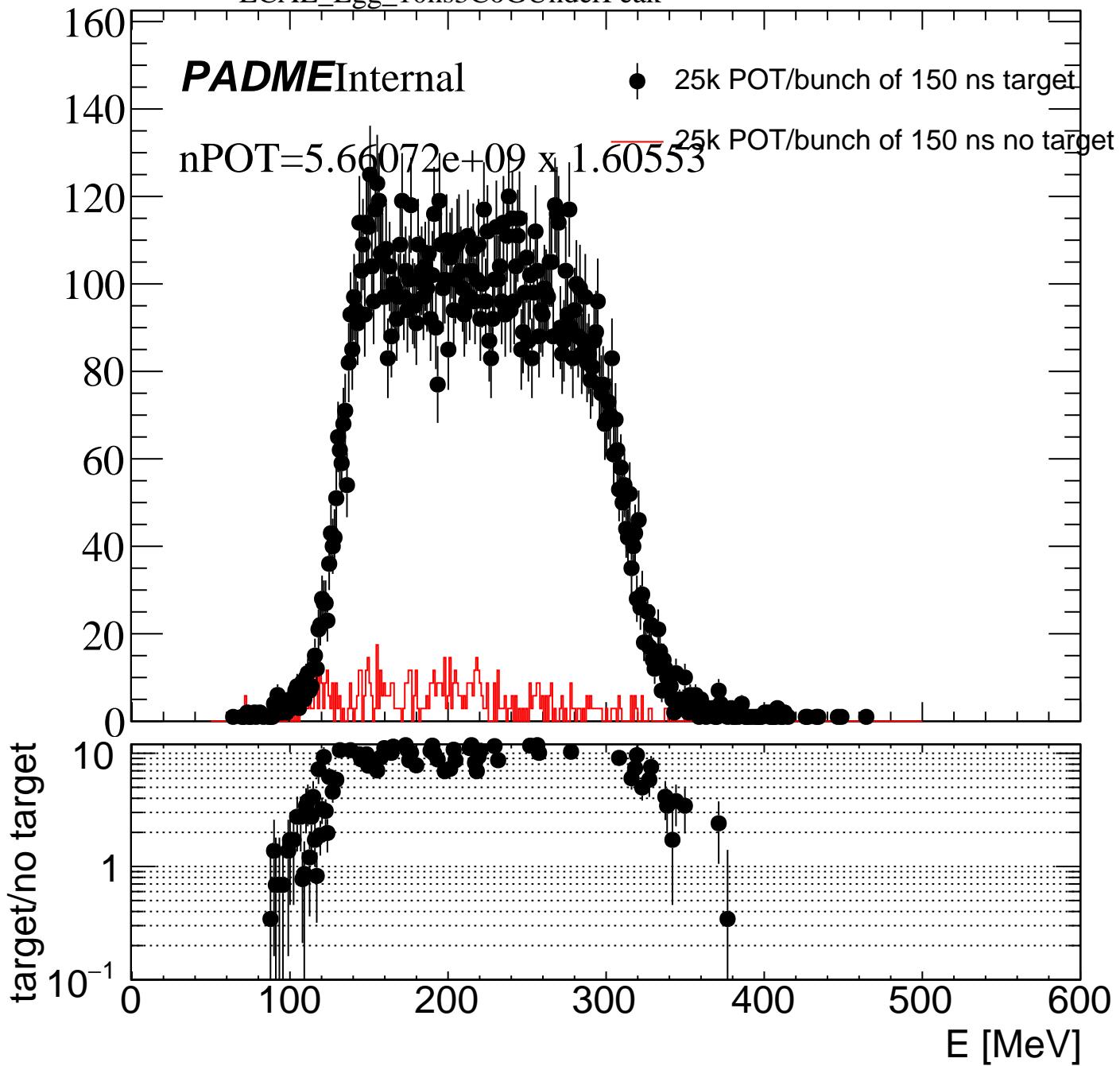
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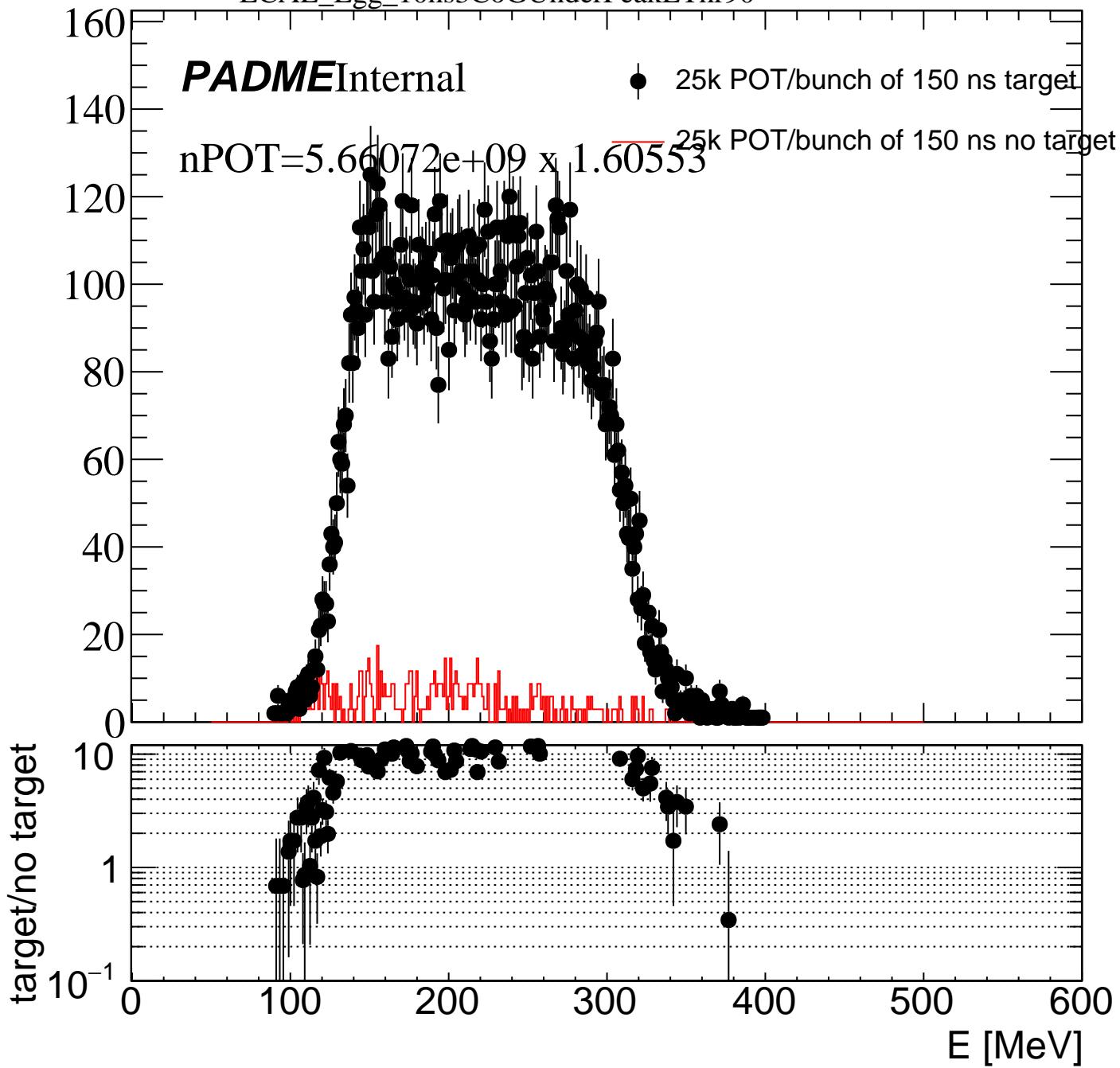
ECAL_Egg_10ns3CoG



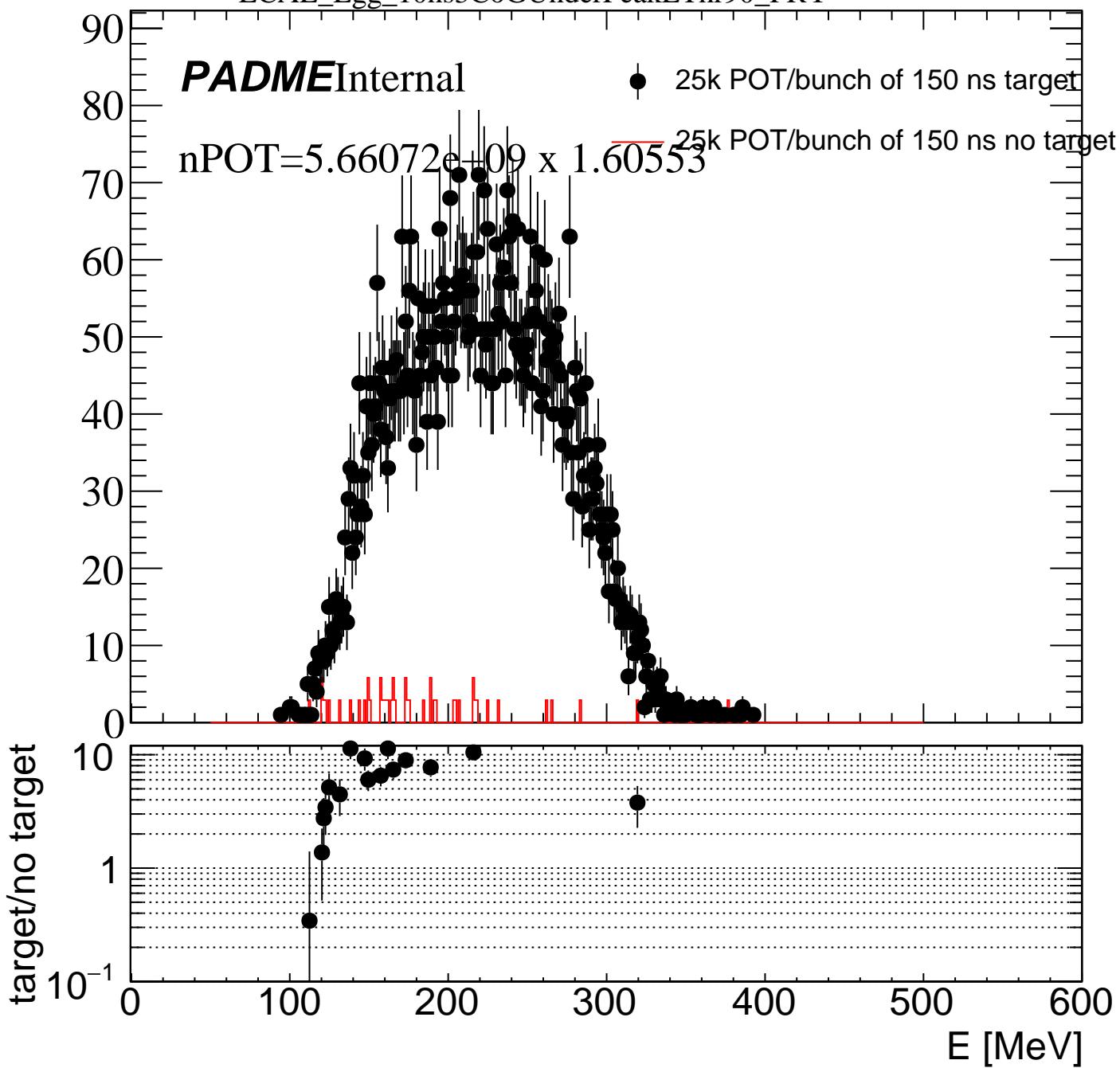
ECAL_Egg_10ns3CoGUnderPeak



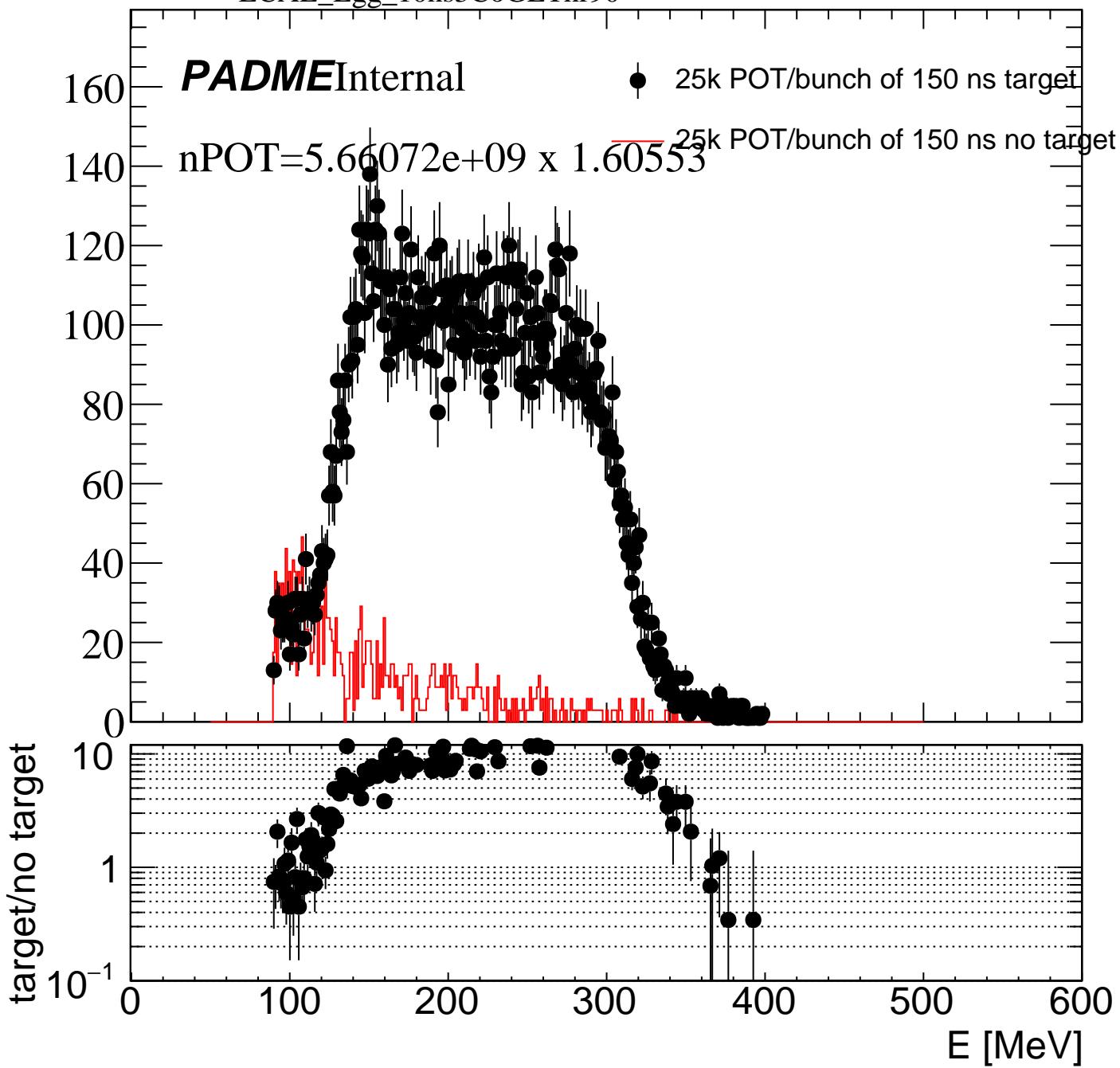
ECAL_Egg_10ns3CoGUnderPeakEThr90



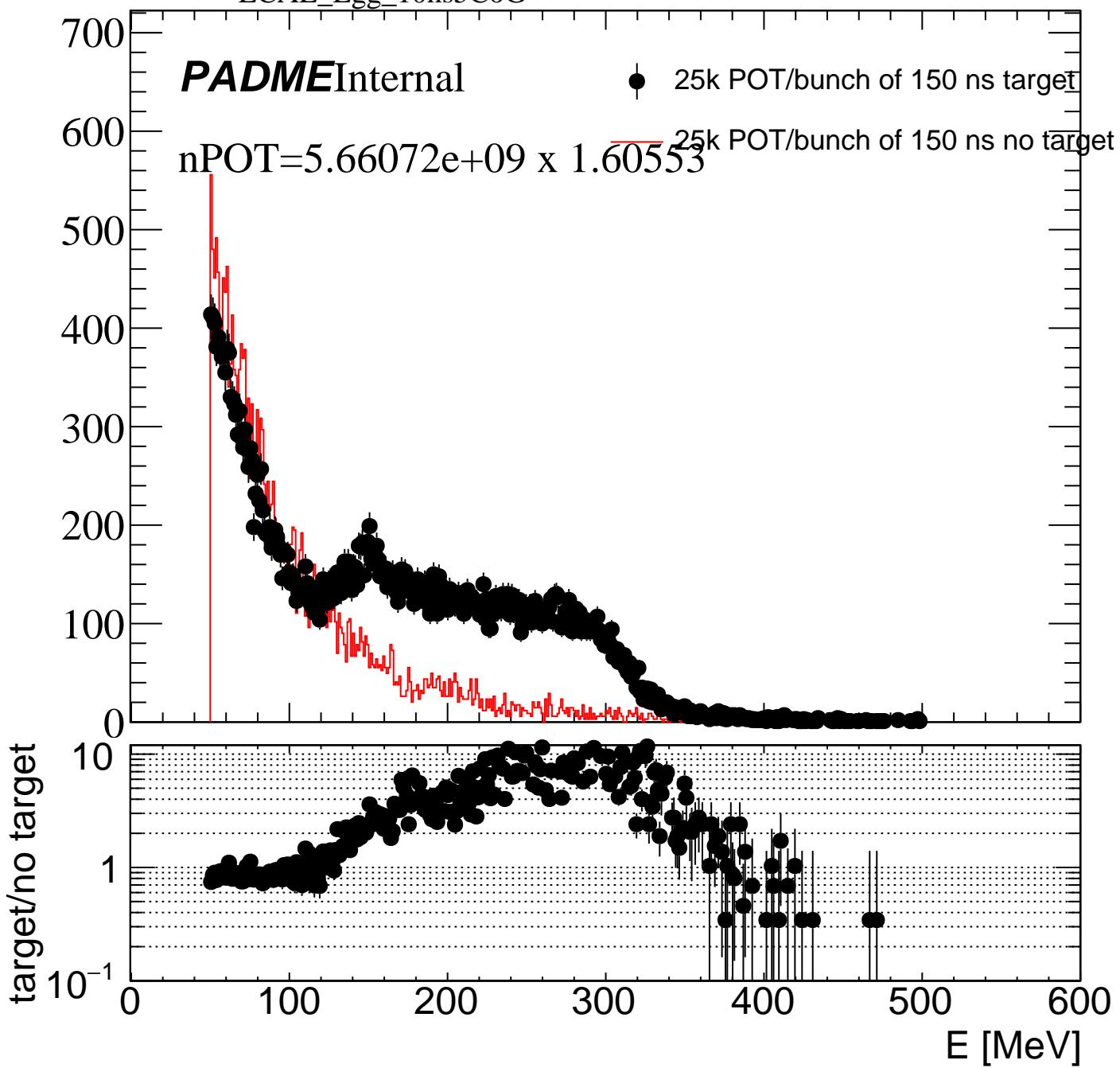
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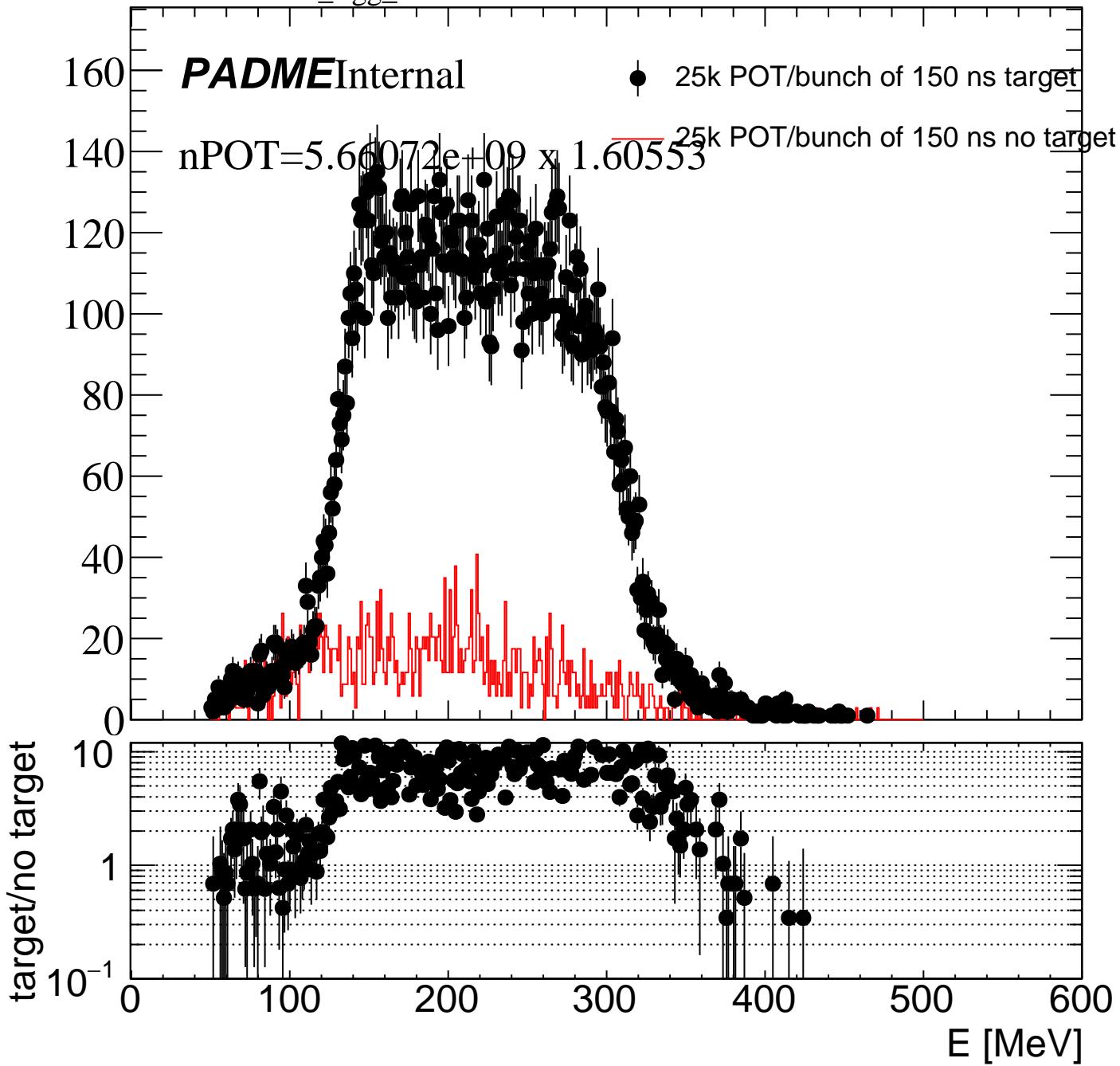
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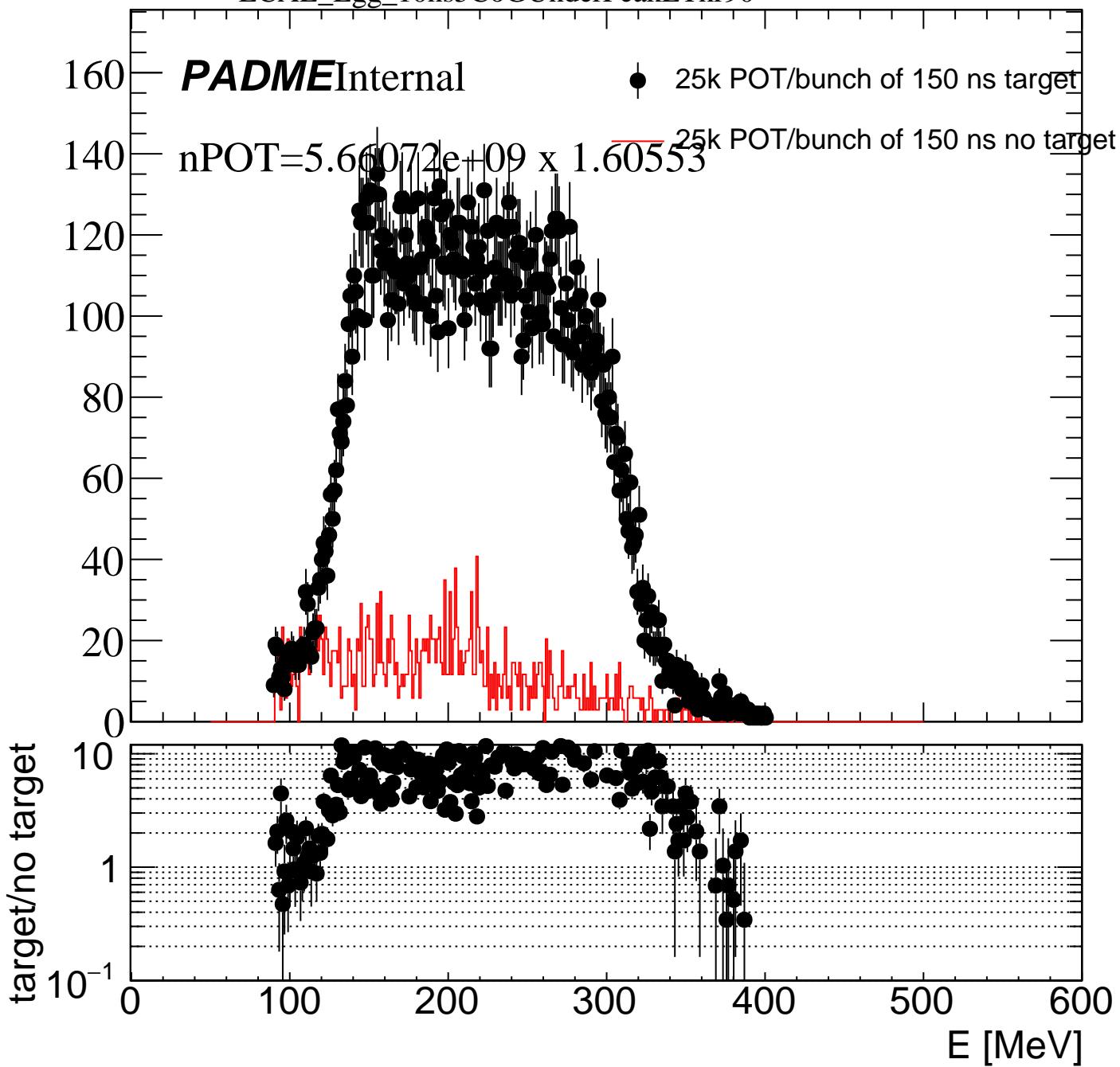
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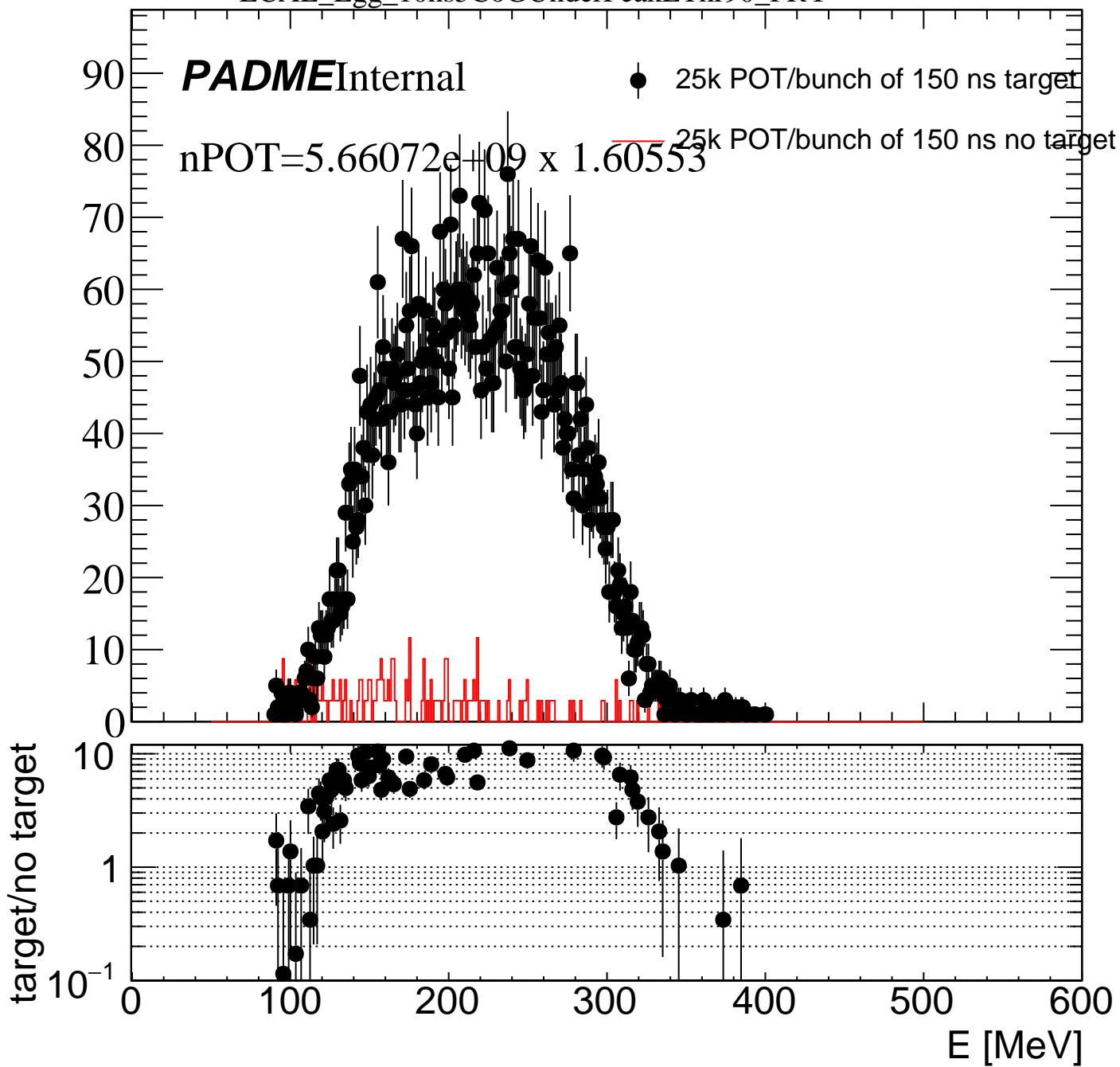
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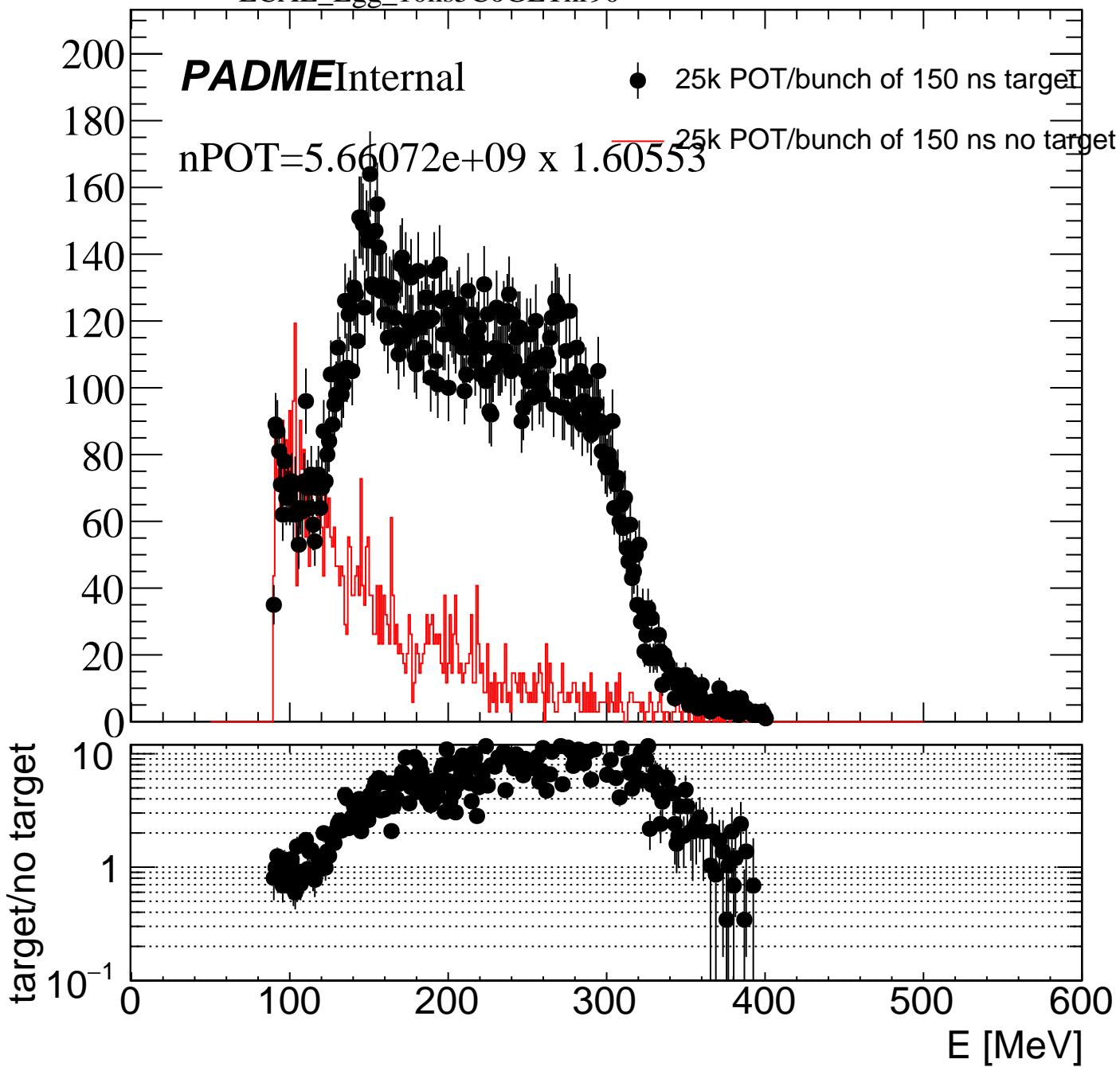
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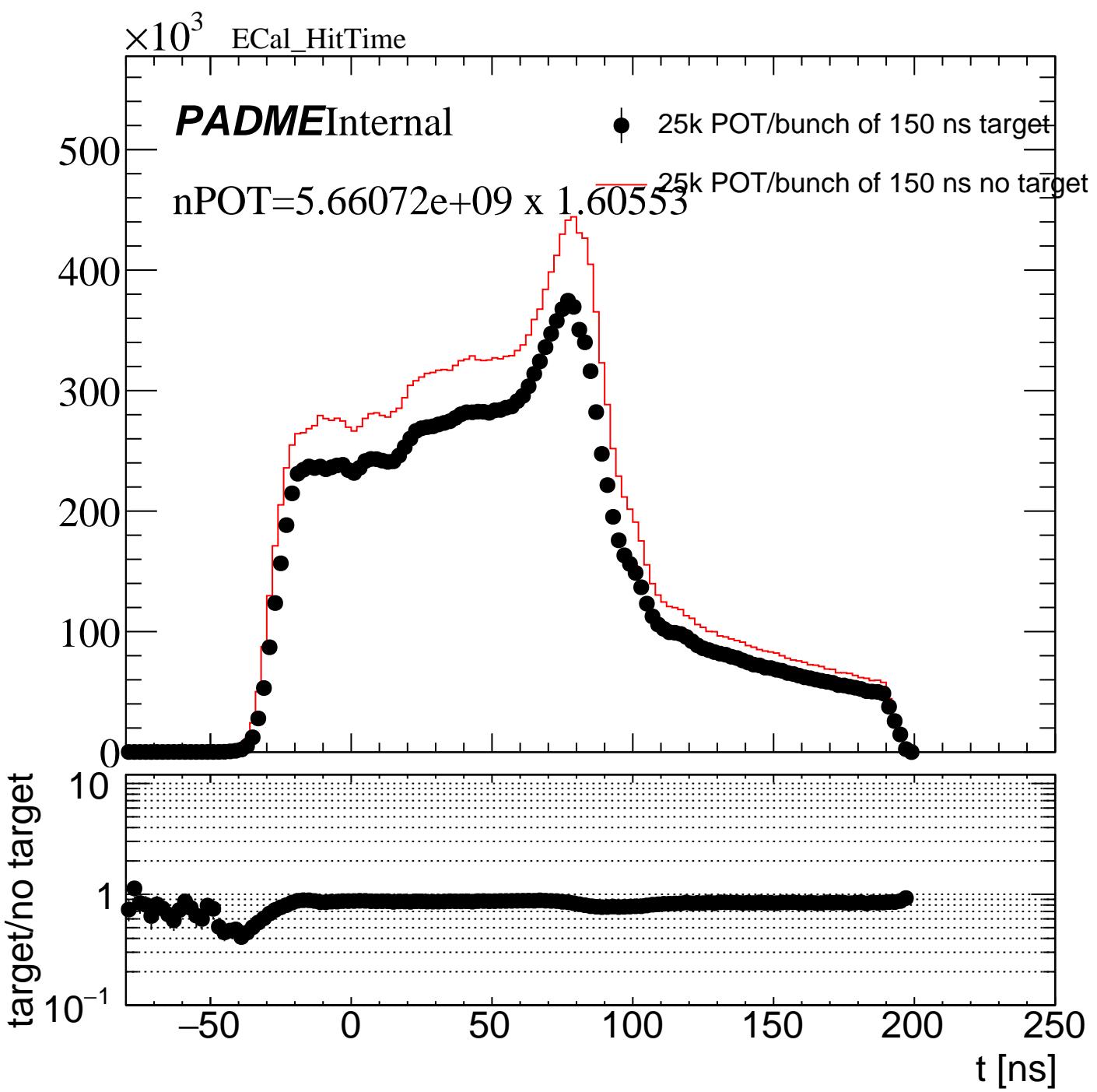


ECAL_Egg_10ns5CoGUnderPeakEThr90_FRY



ECAL_Egg_10ns5CoGEThr90



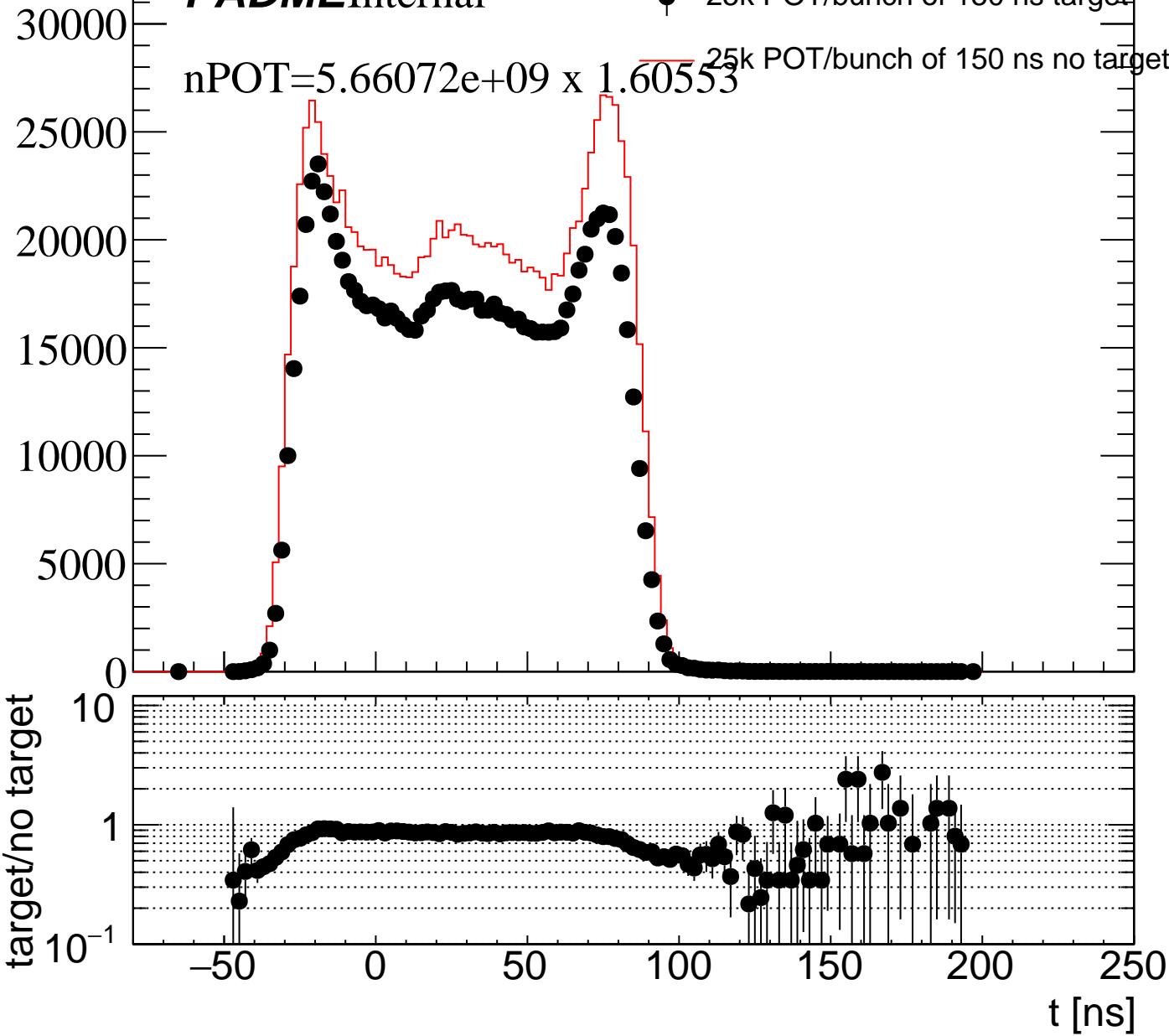


ECal_ClusterTime

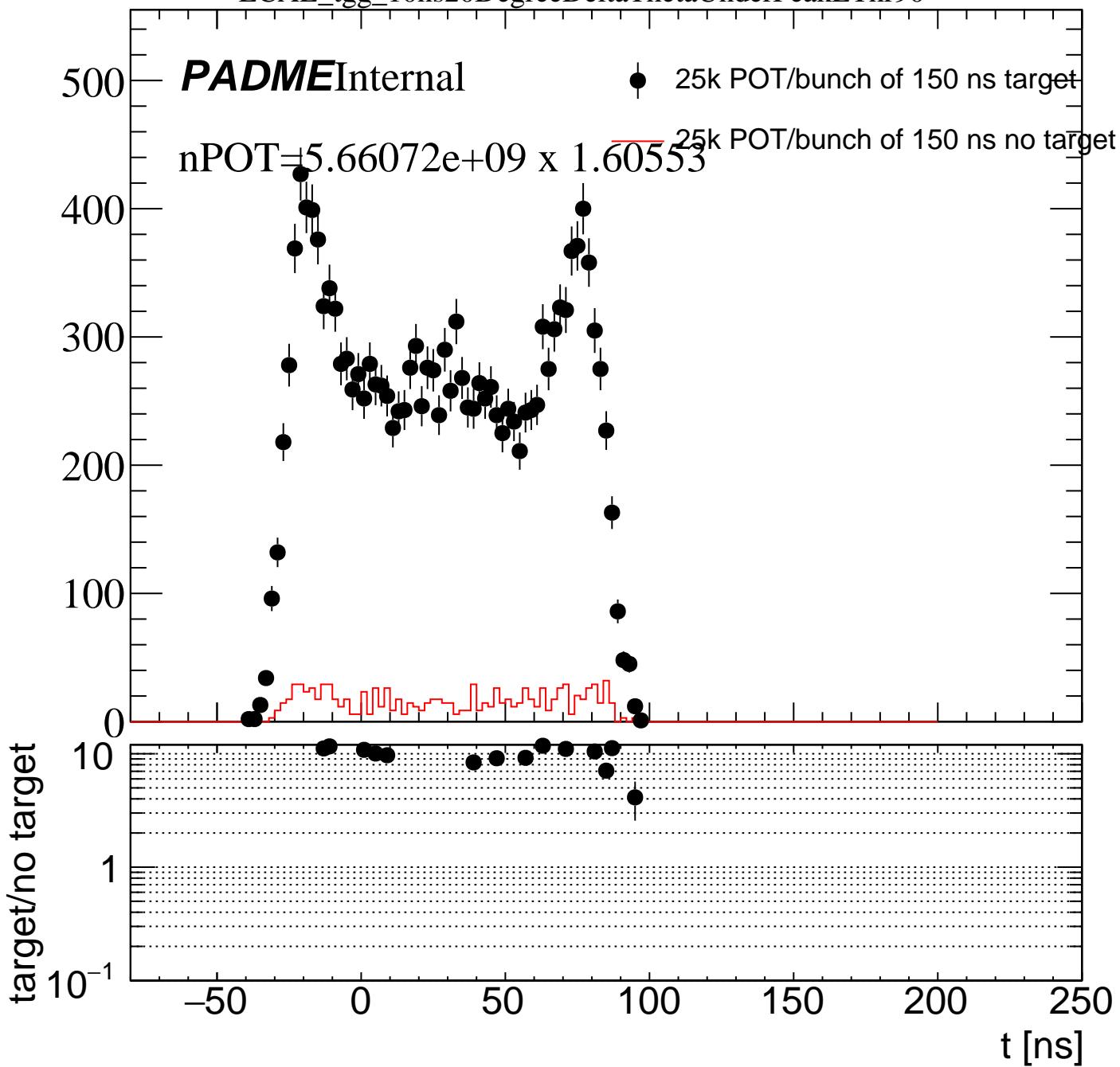
PADMEInternal

● 25k POT/bunch of 150 ns target

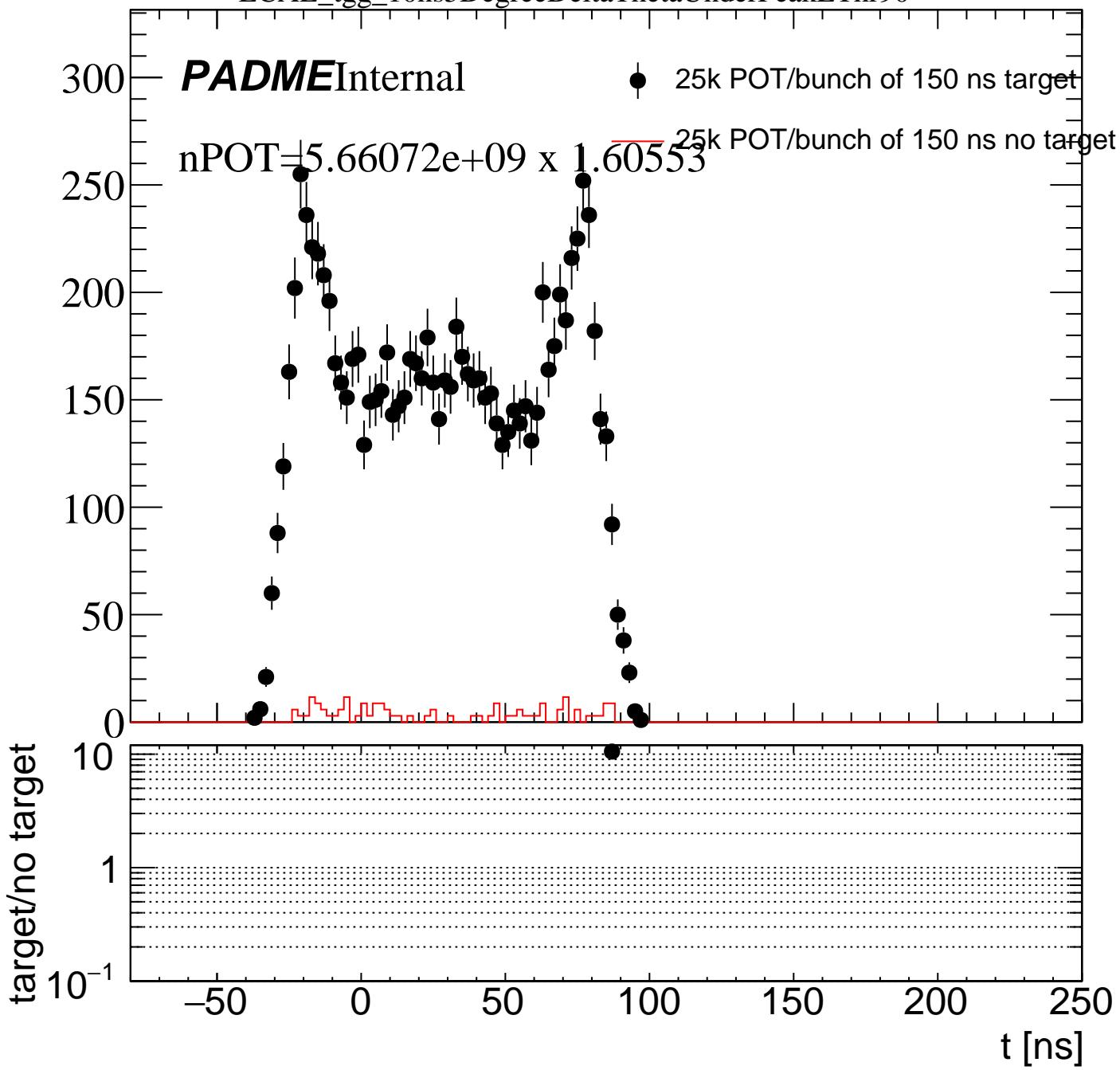
nPOT=5.66072e+09 x 1.60553
25k POT/bunch of 150 ns no target



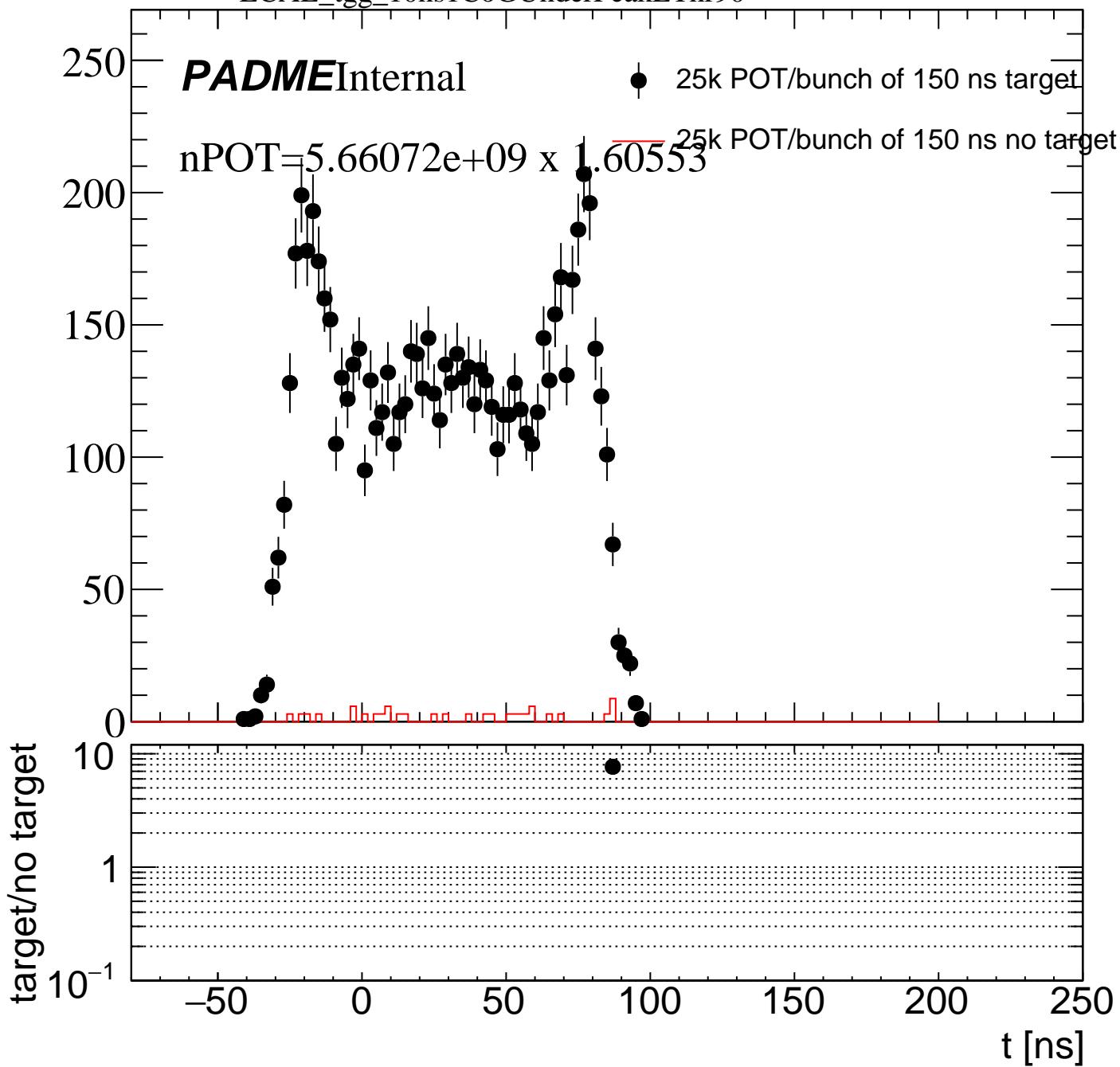
ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90



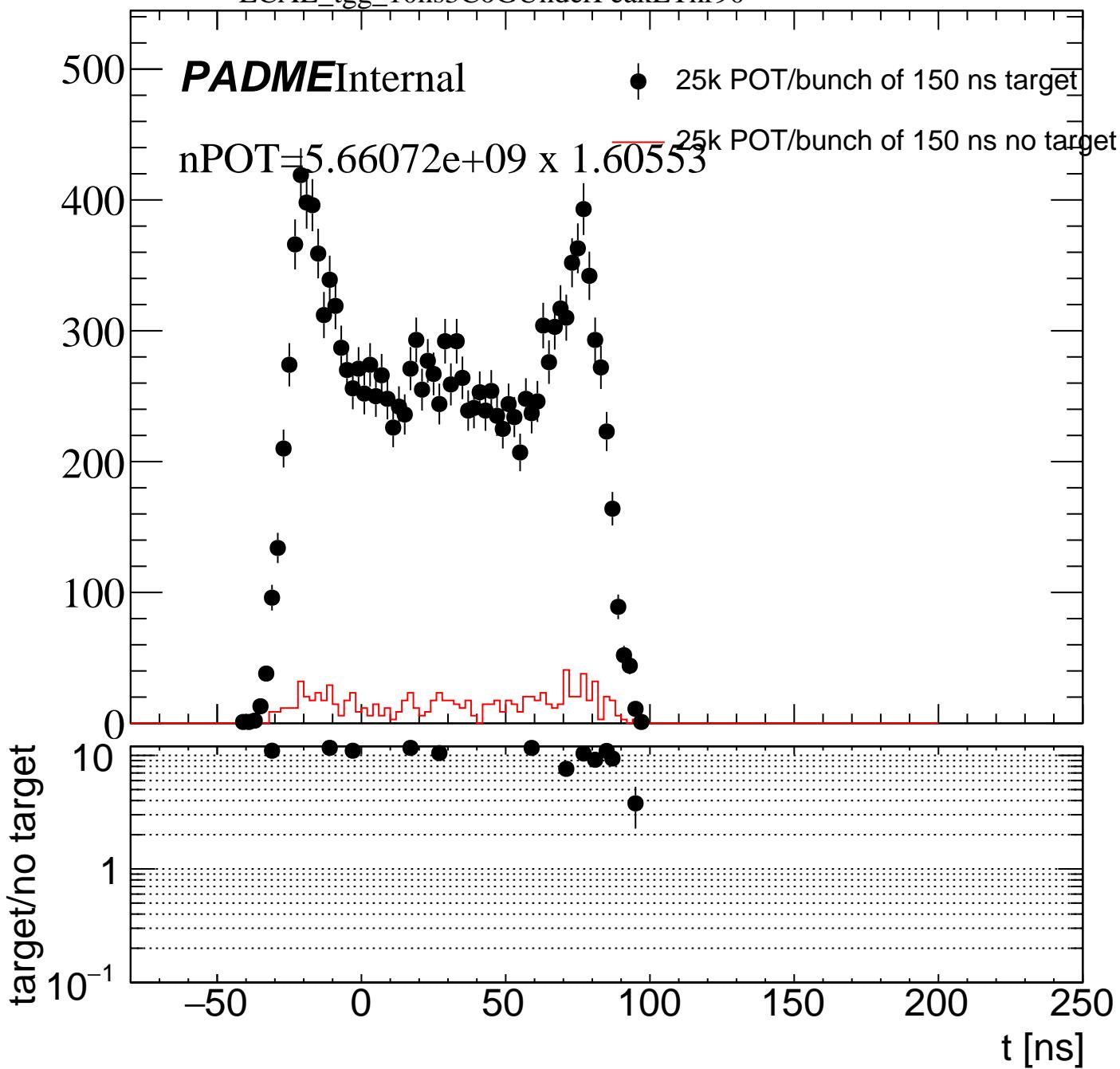
ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90



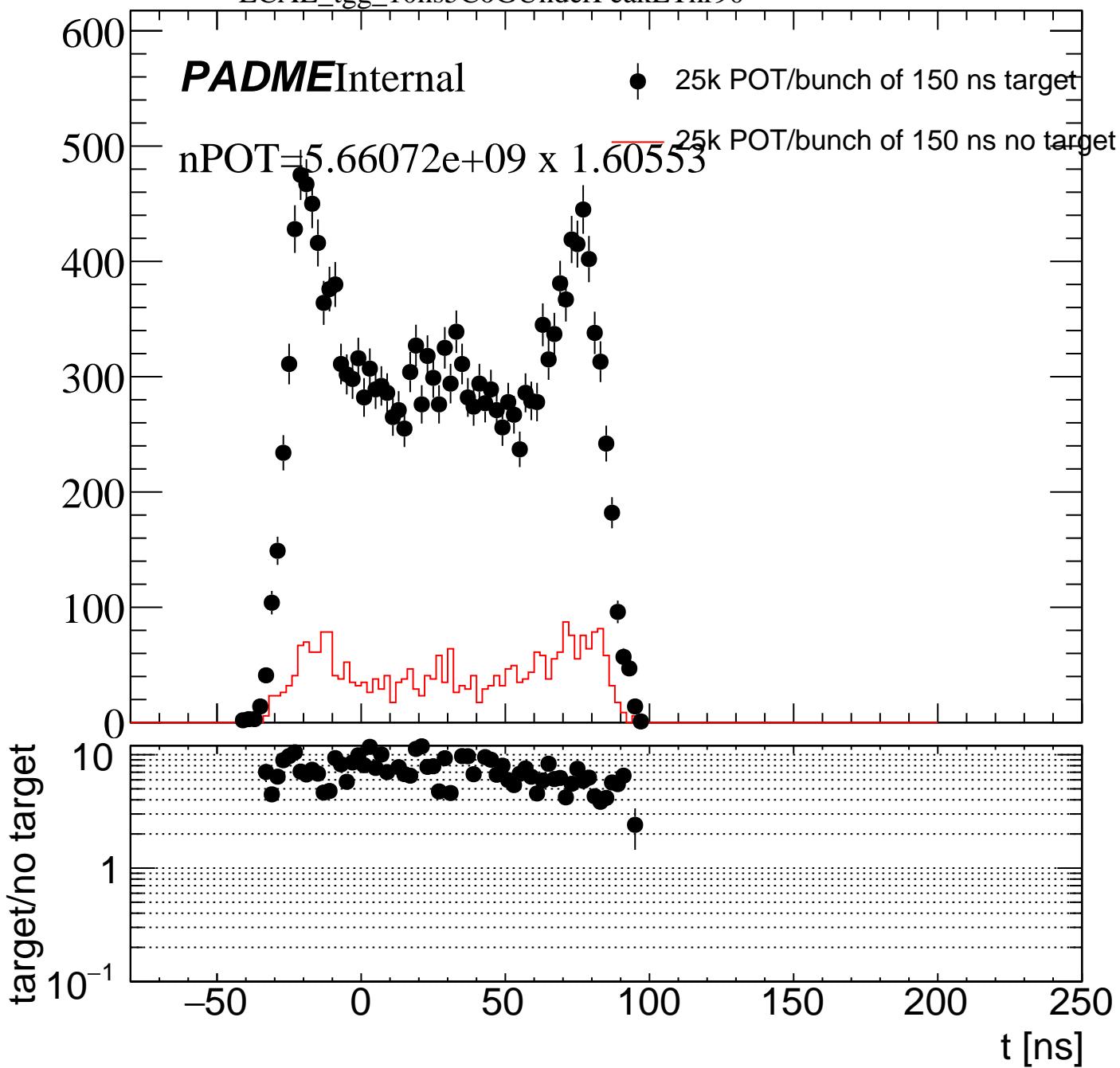
ECAL_tgg_10ns1CoGUnderPeakEThr90



ECAL_tgg_10ns3CoGUnderPeakEThr90



ECAL_tgg_10ns5CoGUnderPeakEThr90



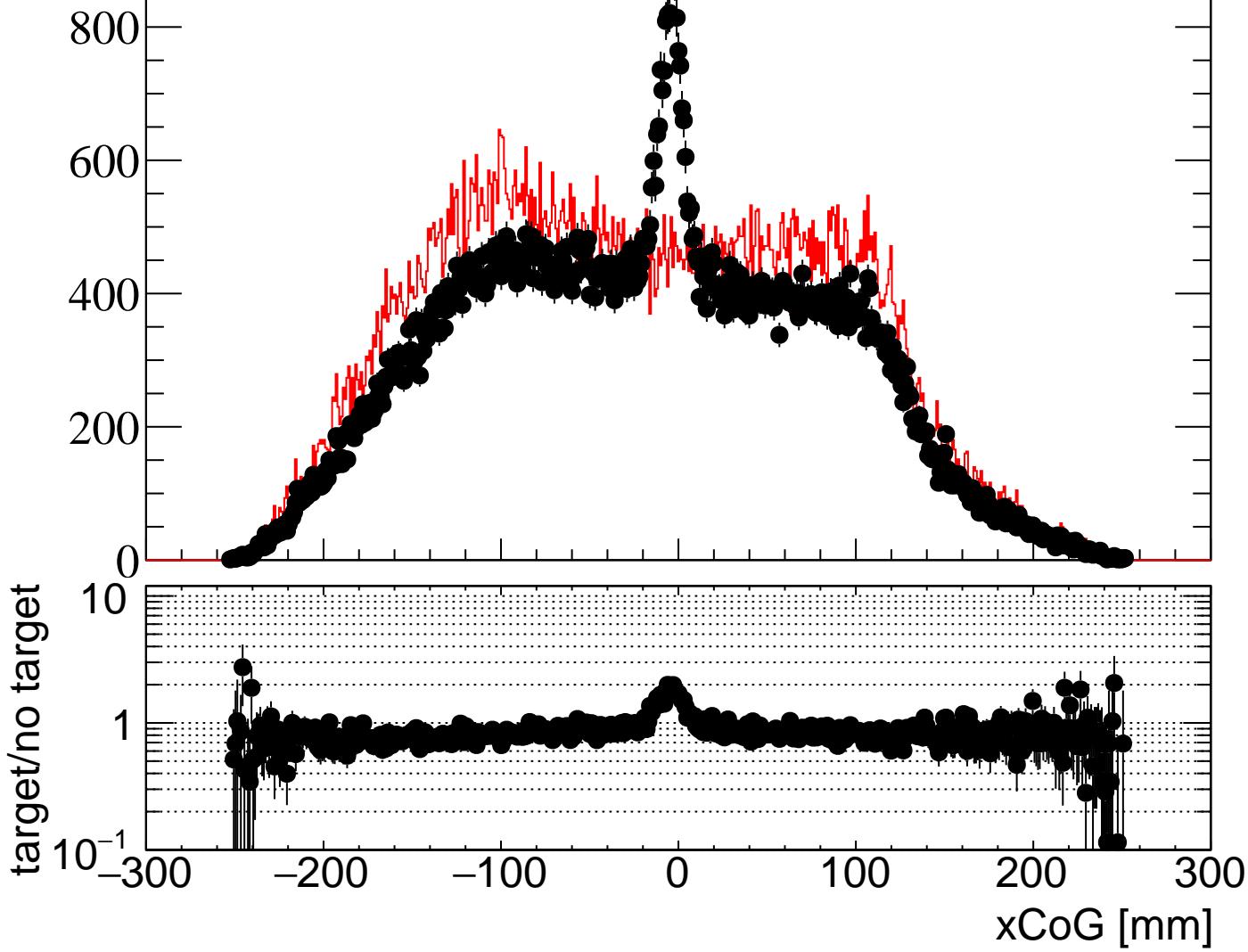
ECal_xCoG_10ns

PADMEInternal

● 25k POT/bunch of 150 ns target

1000
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns no target



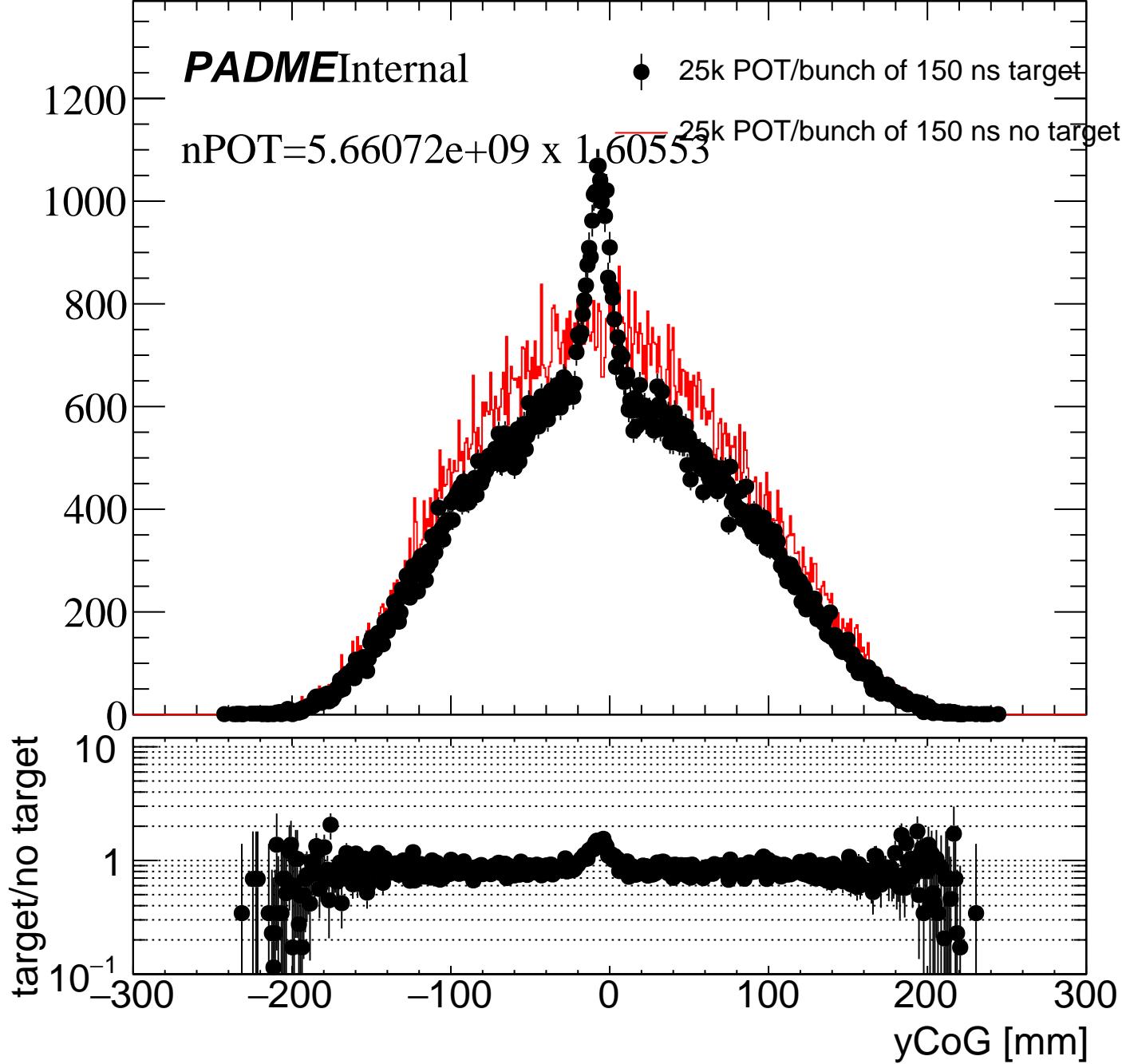
ECal_yCoG_10ns

PADMEInternal

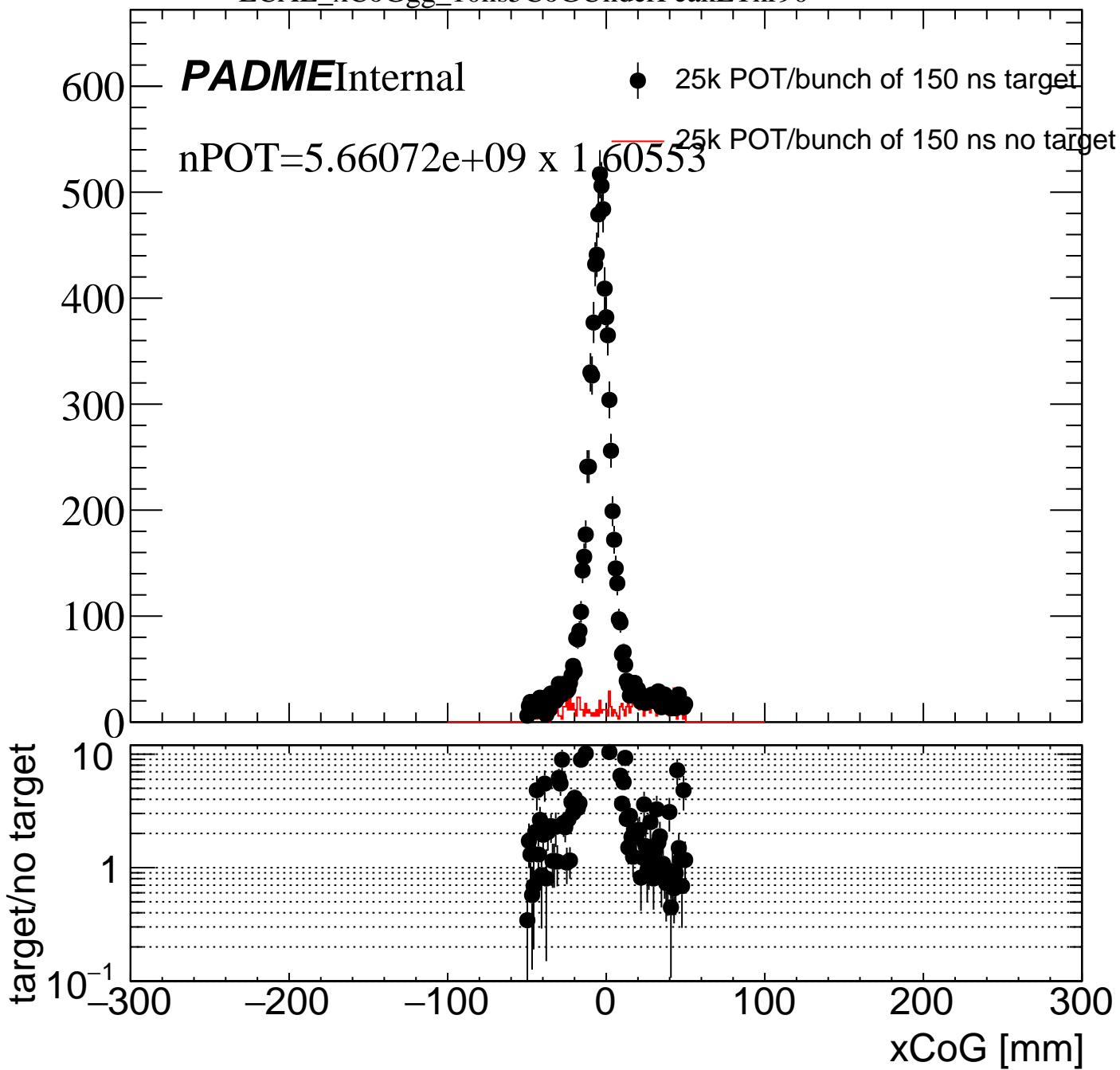
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

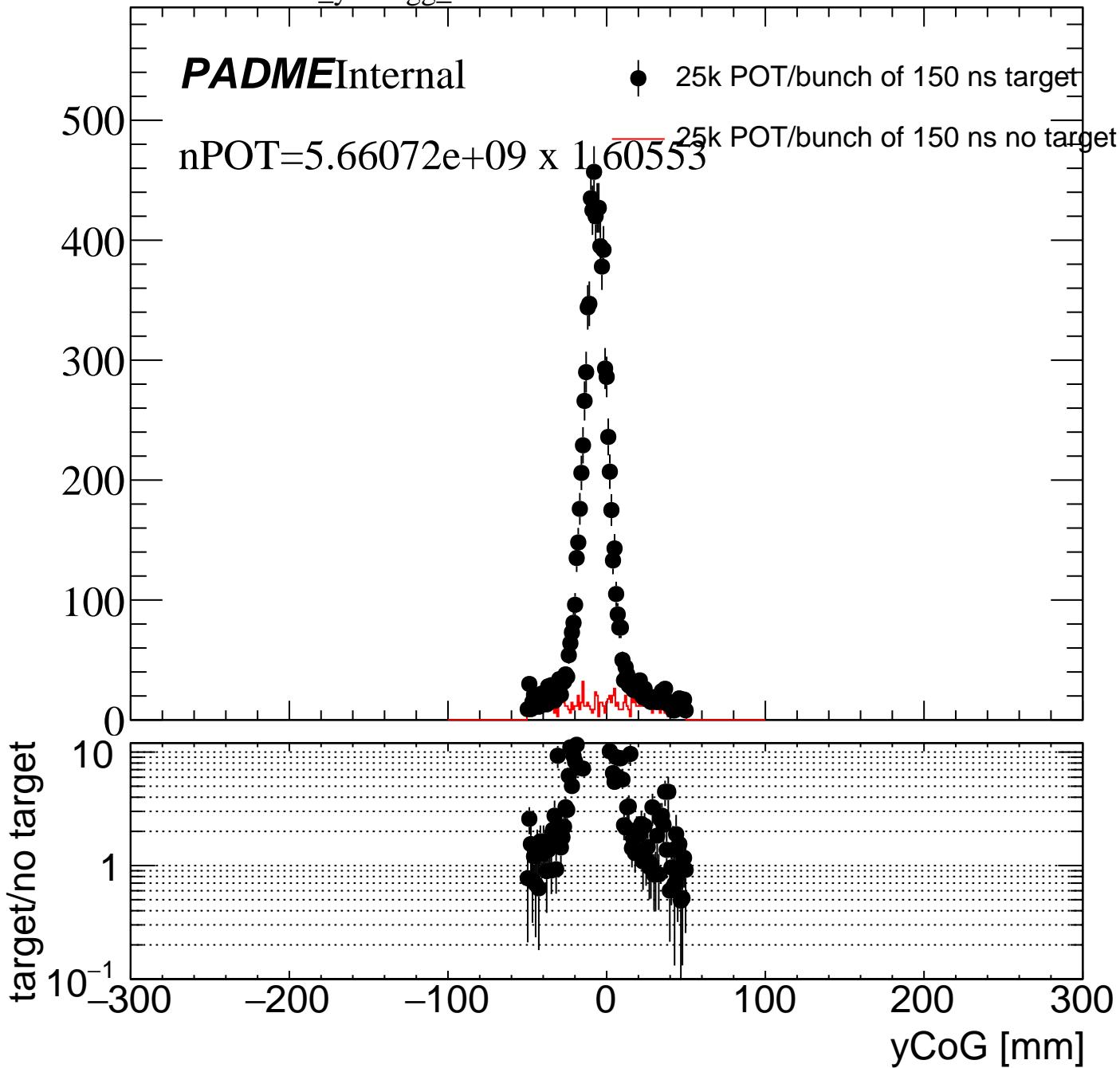
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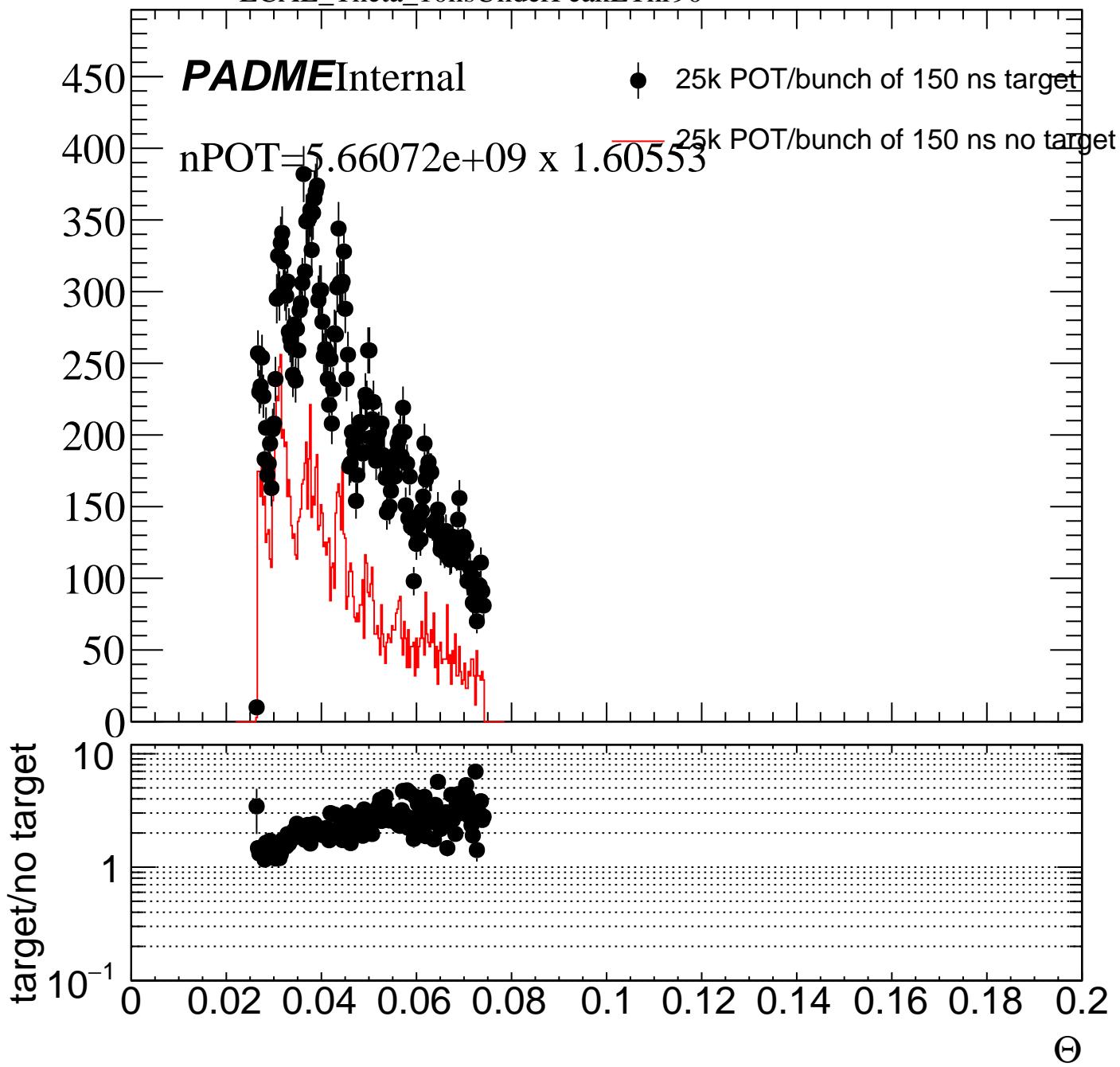
ECAL_xCoGgg_10ns5CoGUnderPeakEThr90



ECAL_yCoGgg_10ns5CoGUnderPeakEThr90



ECAL_Theta_10nsUnderPeakEThr90

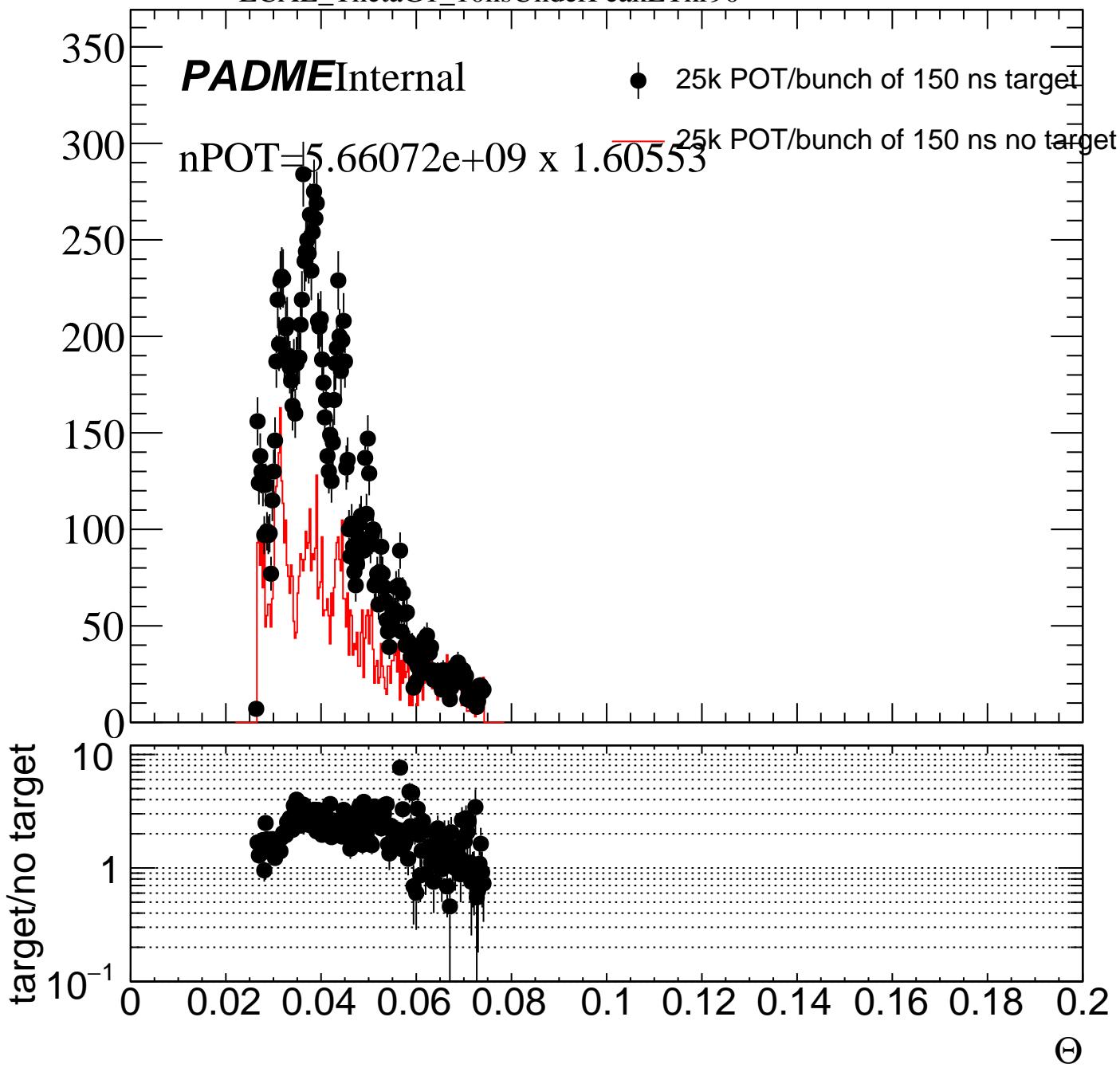


ECAL_ThetaG1_10nsUnderPeakEThr90

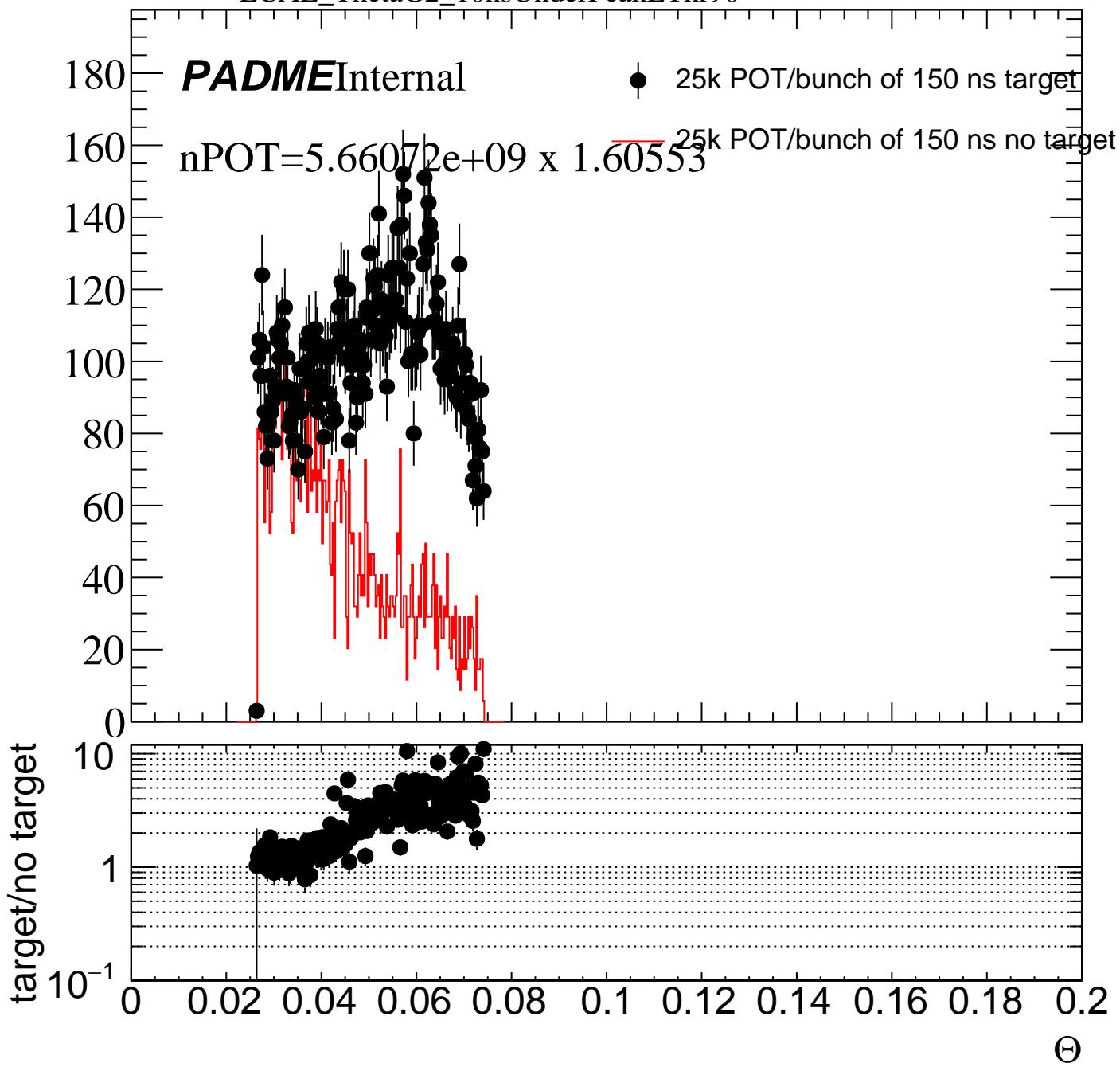
PADMEInternal

● 25k POT/bunch of 150 ns target

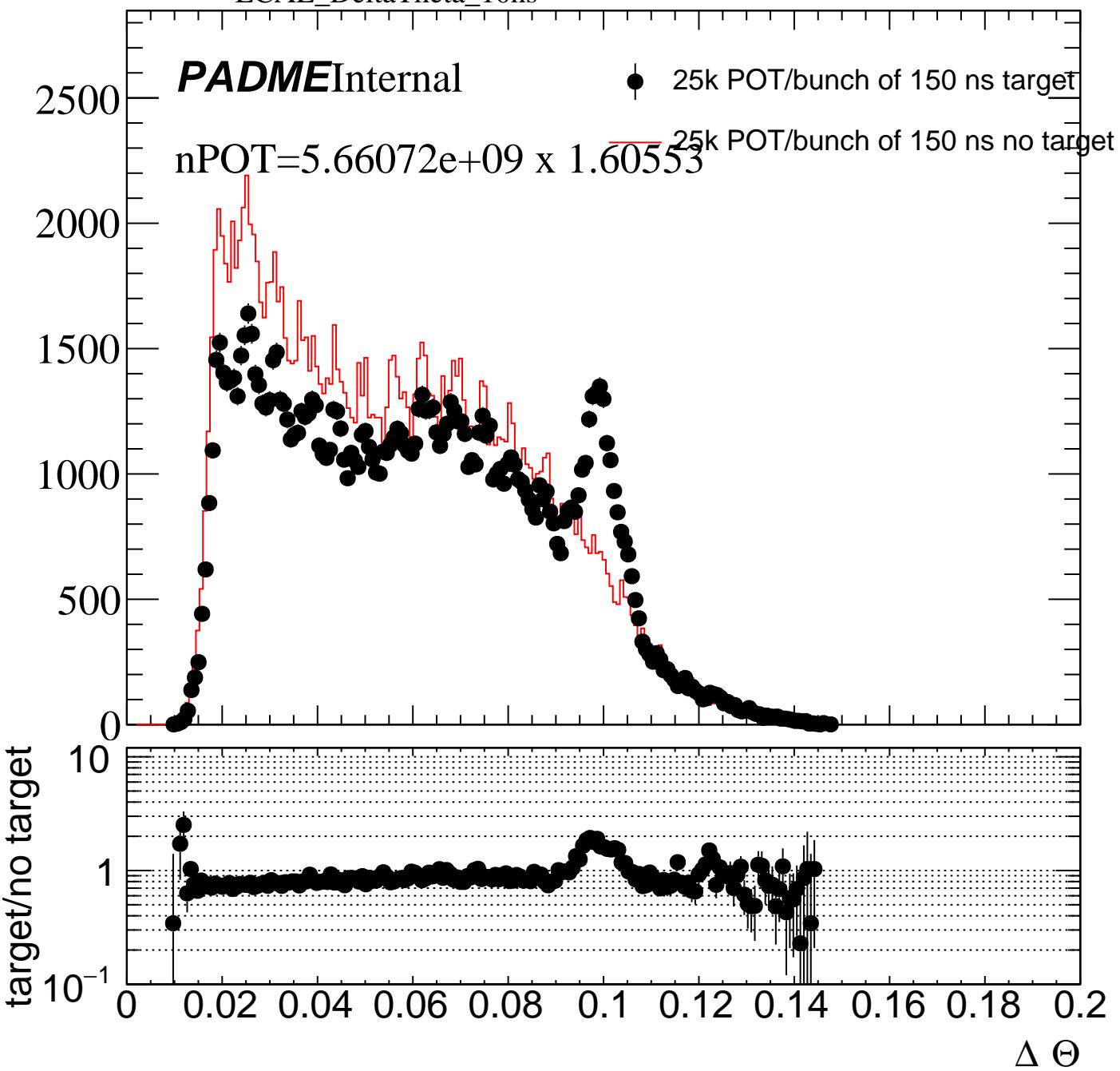
nPOT=5.66072e+09 x 1.60553



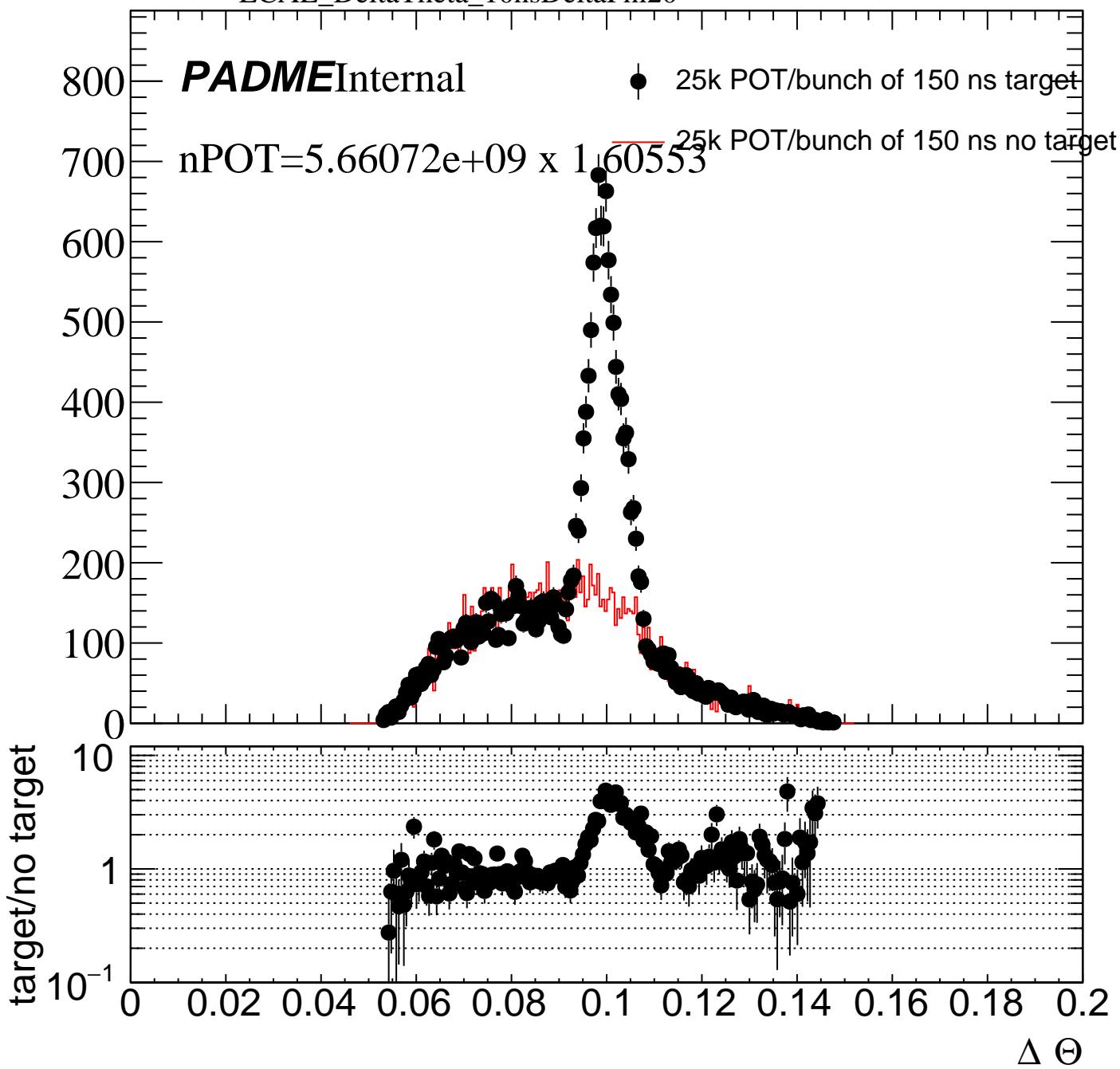
ECAL_ThetaG2_10nsUnderPeakEThr90



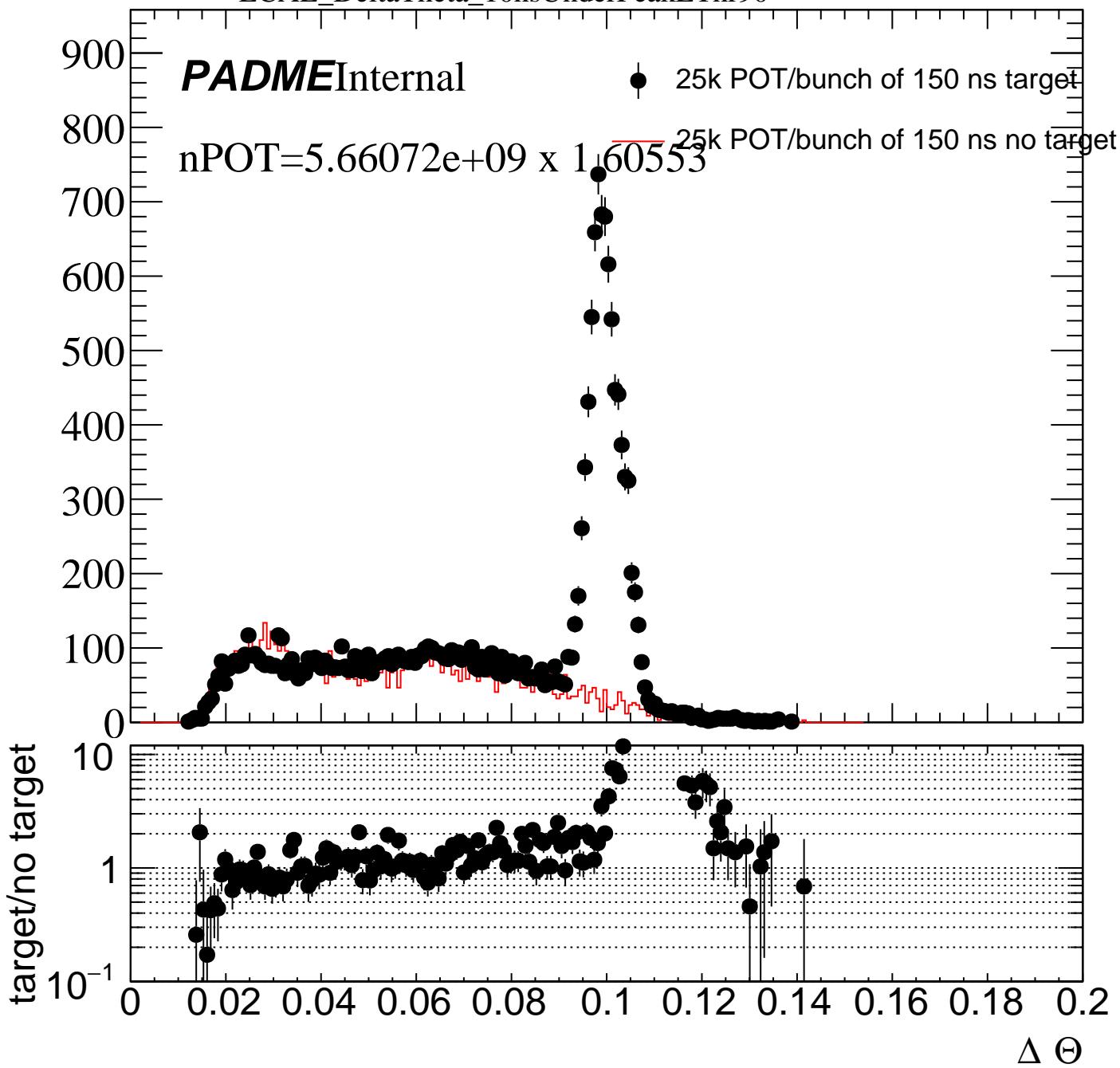
ECAL_DeltaTheta_10ns



ECAL_DeltaTheta_10nsDeltaPhi20



ECAL_DeltaTheta_10nsUnderPeakEThr90

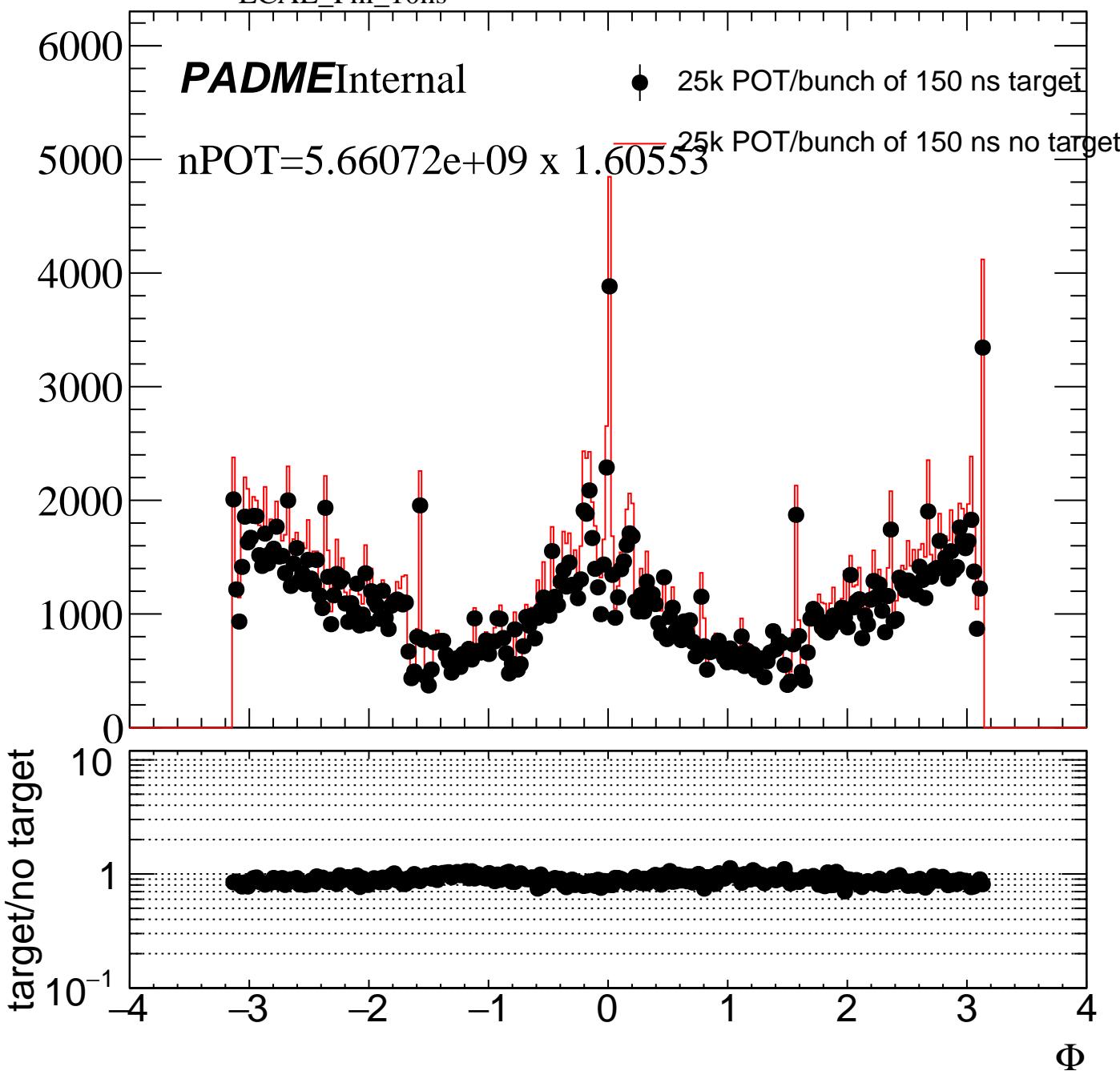


ECAL_Phi_10ns

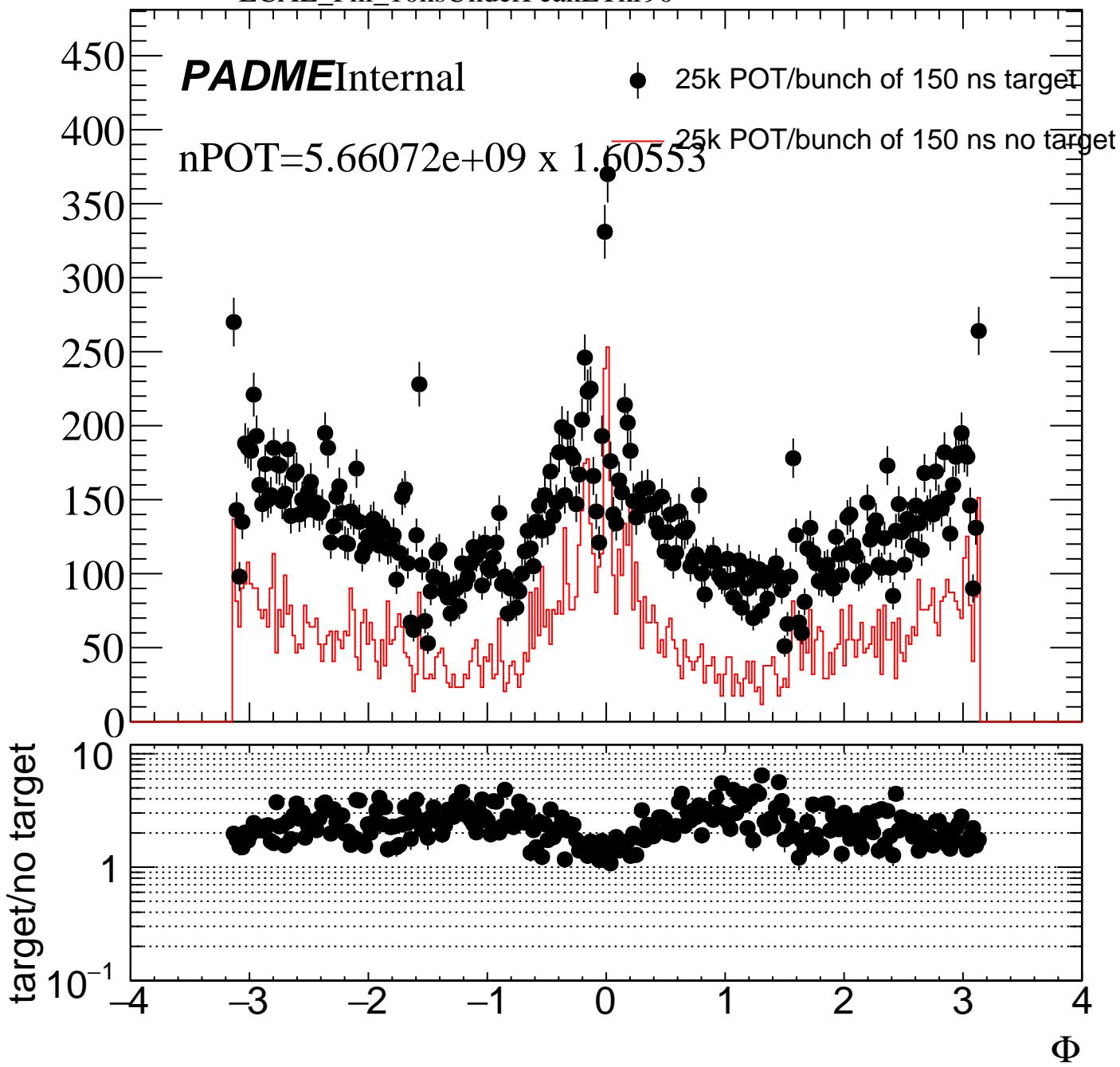
PADMEInternal

● 25k POT/bunch of 150 ns target

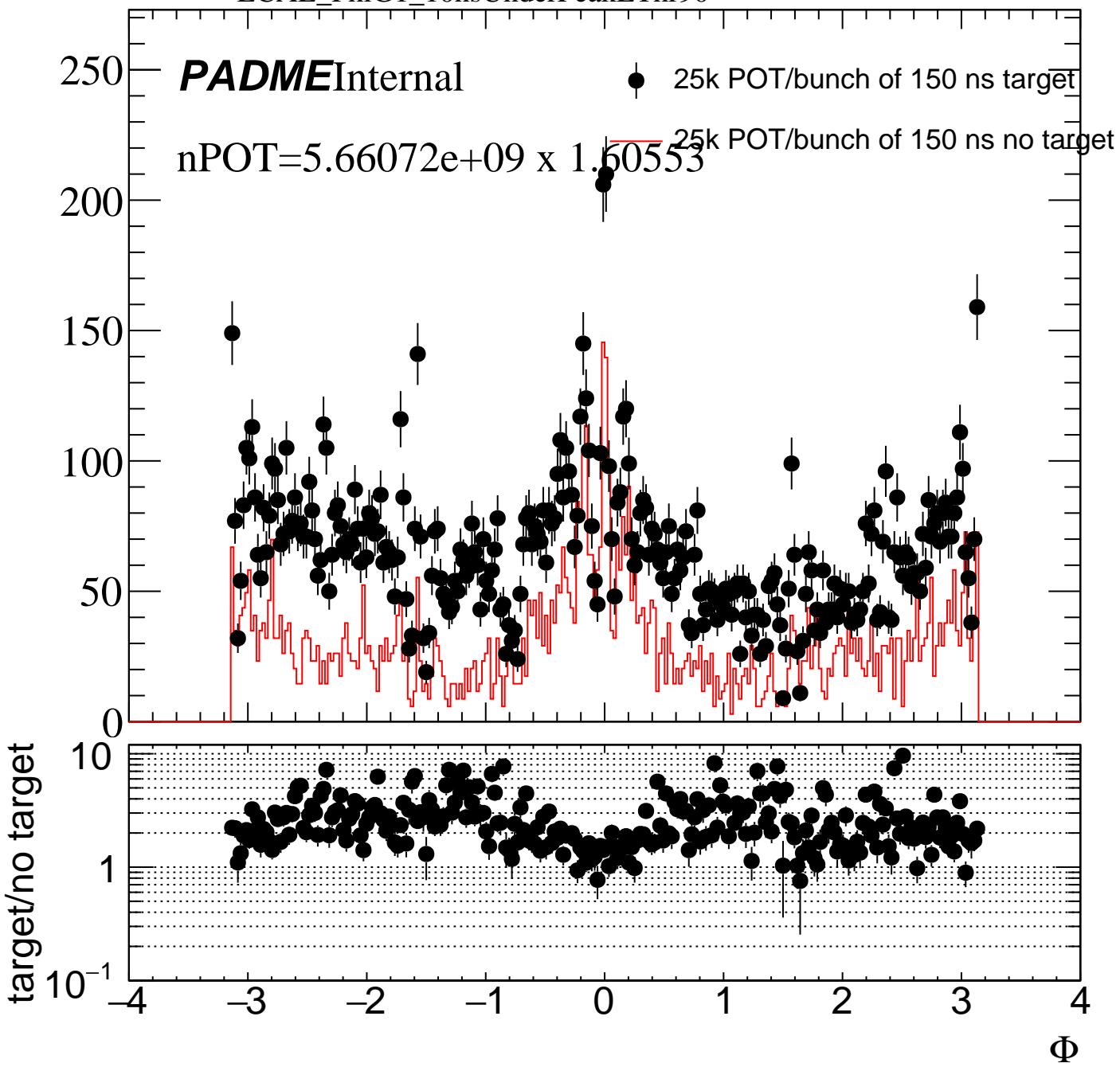
nPOT=5.66072e+09 x 1.60553 25k POT/bunch of 150 ns no target



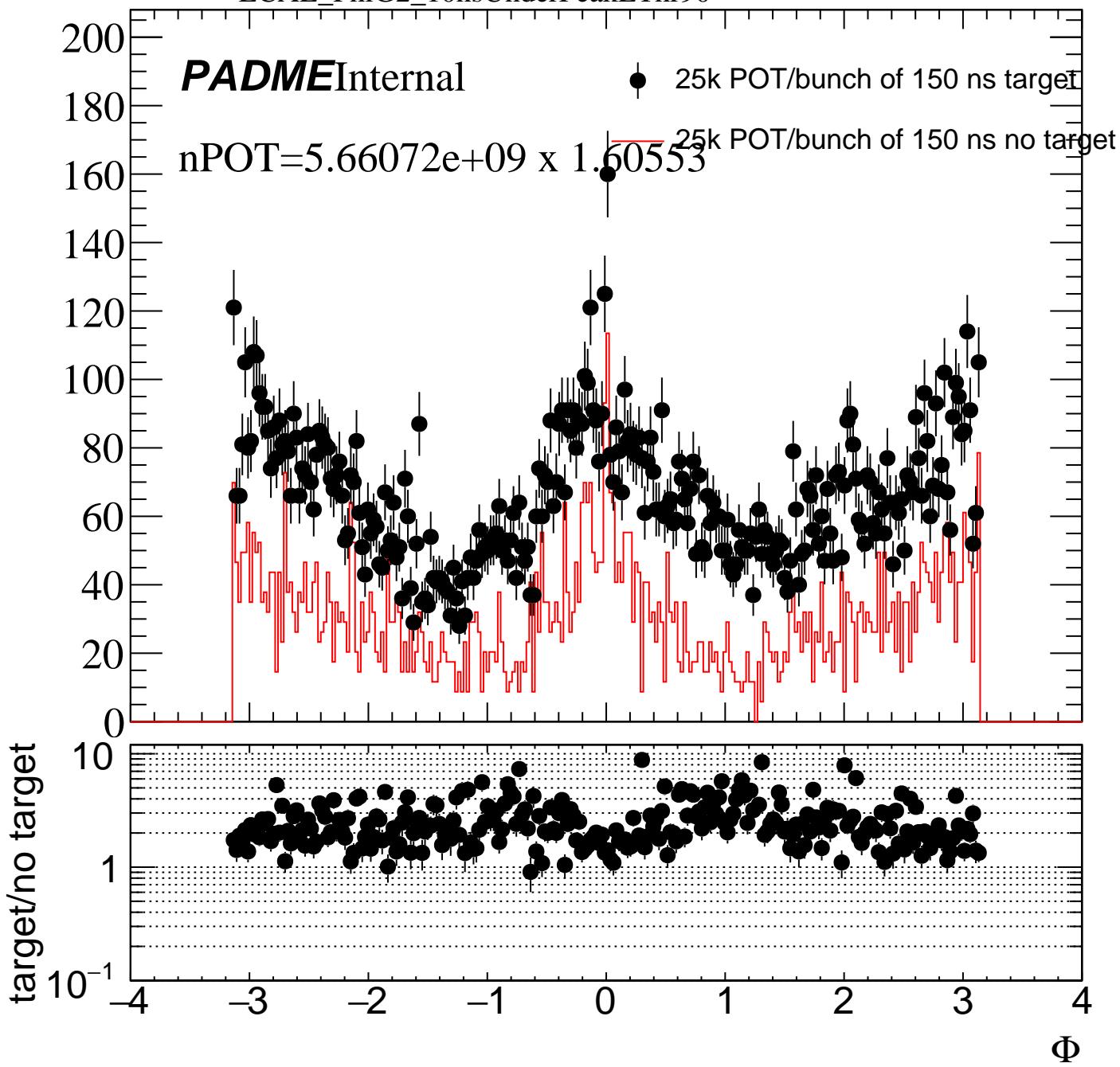
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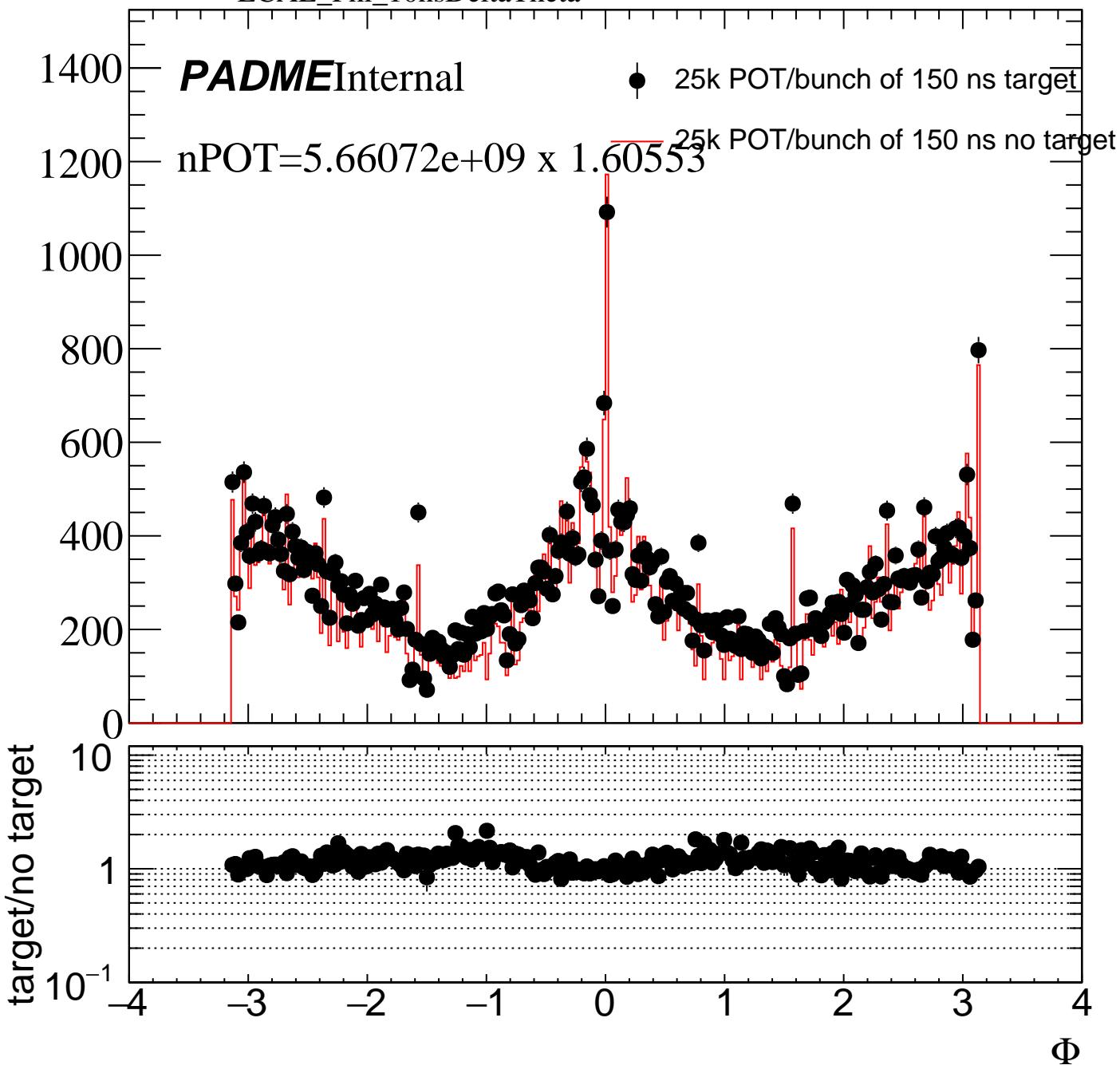
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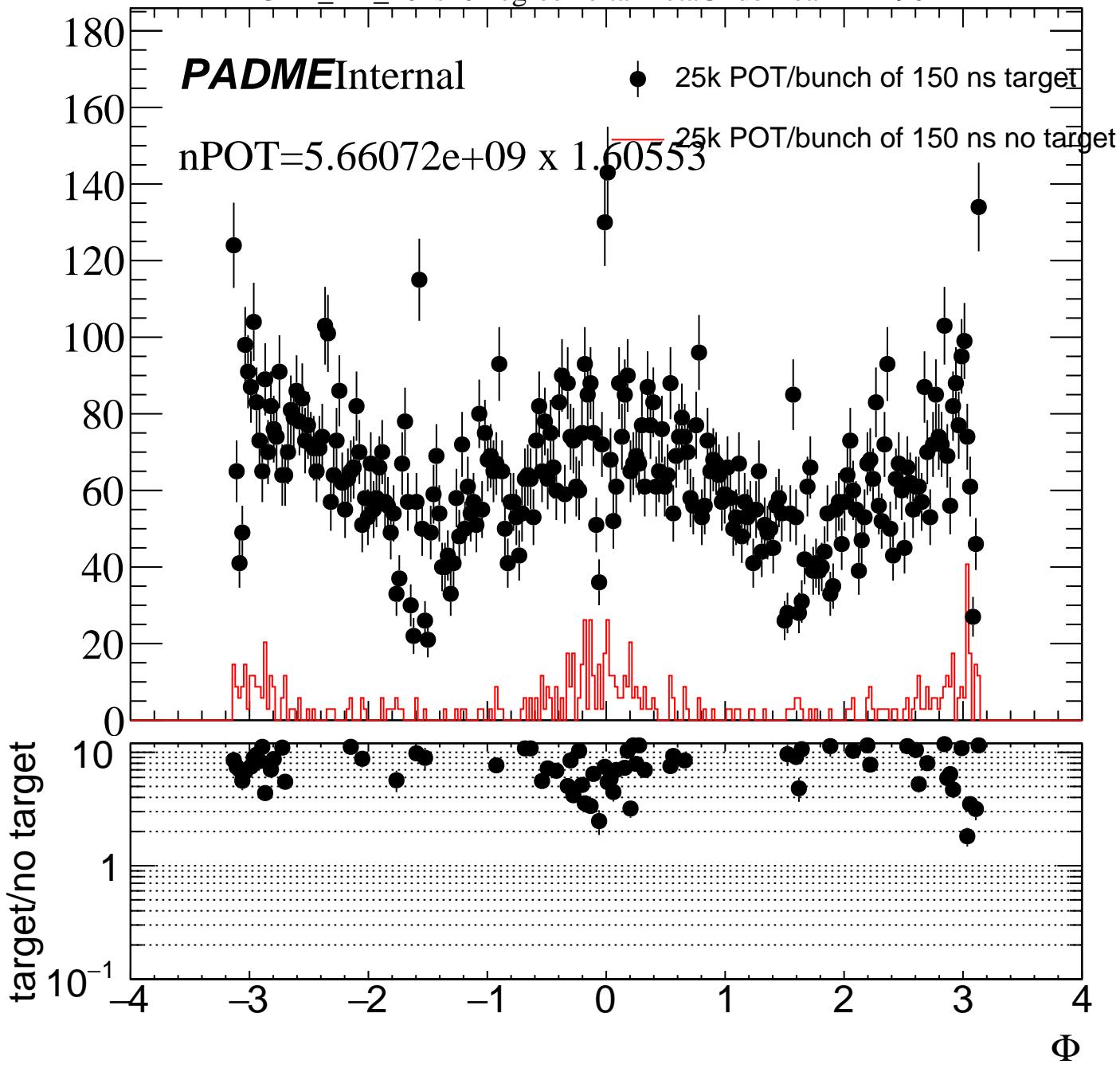
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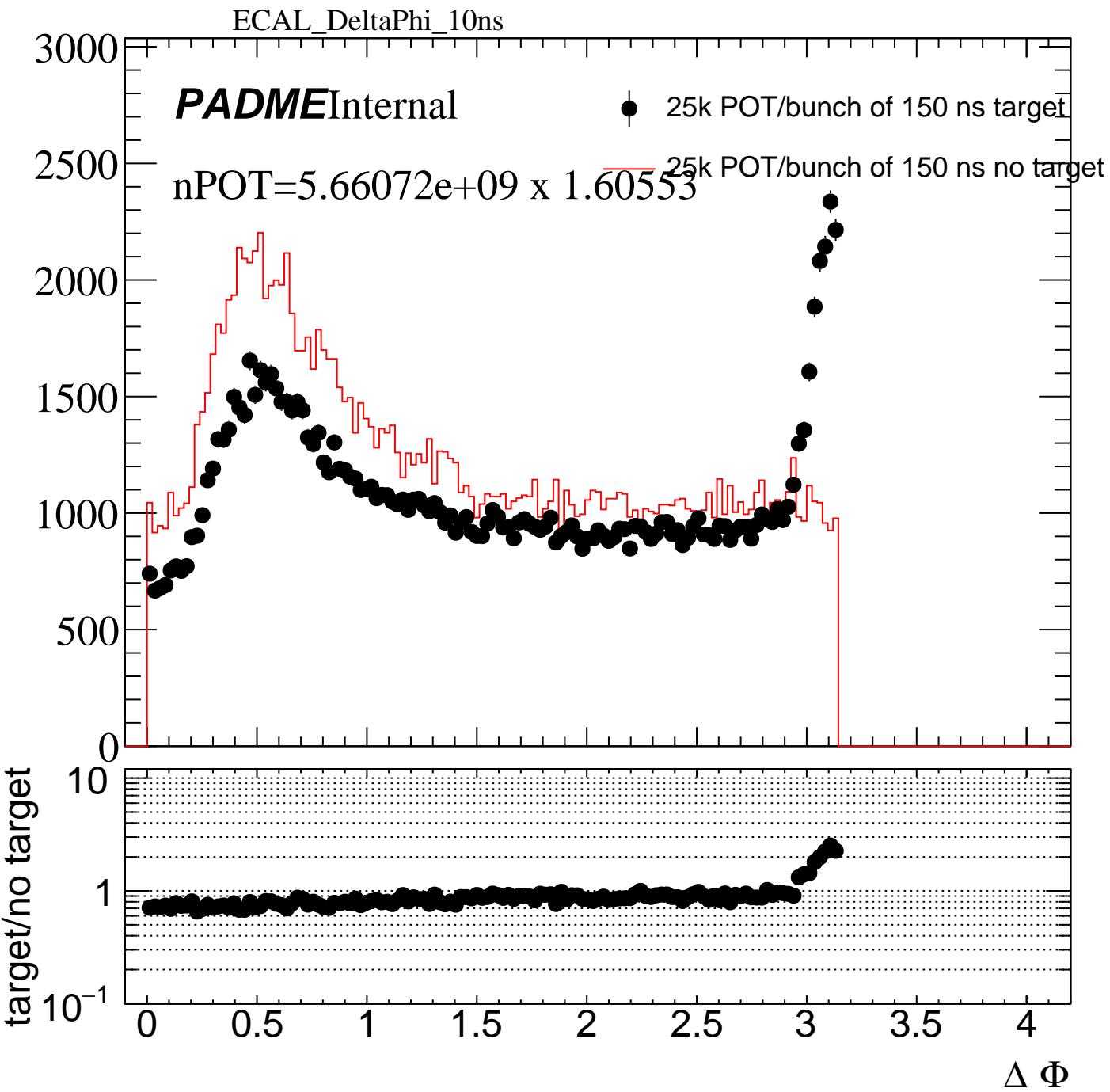


ECAL_Phi_10nsDeltaTheta

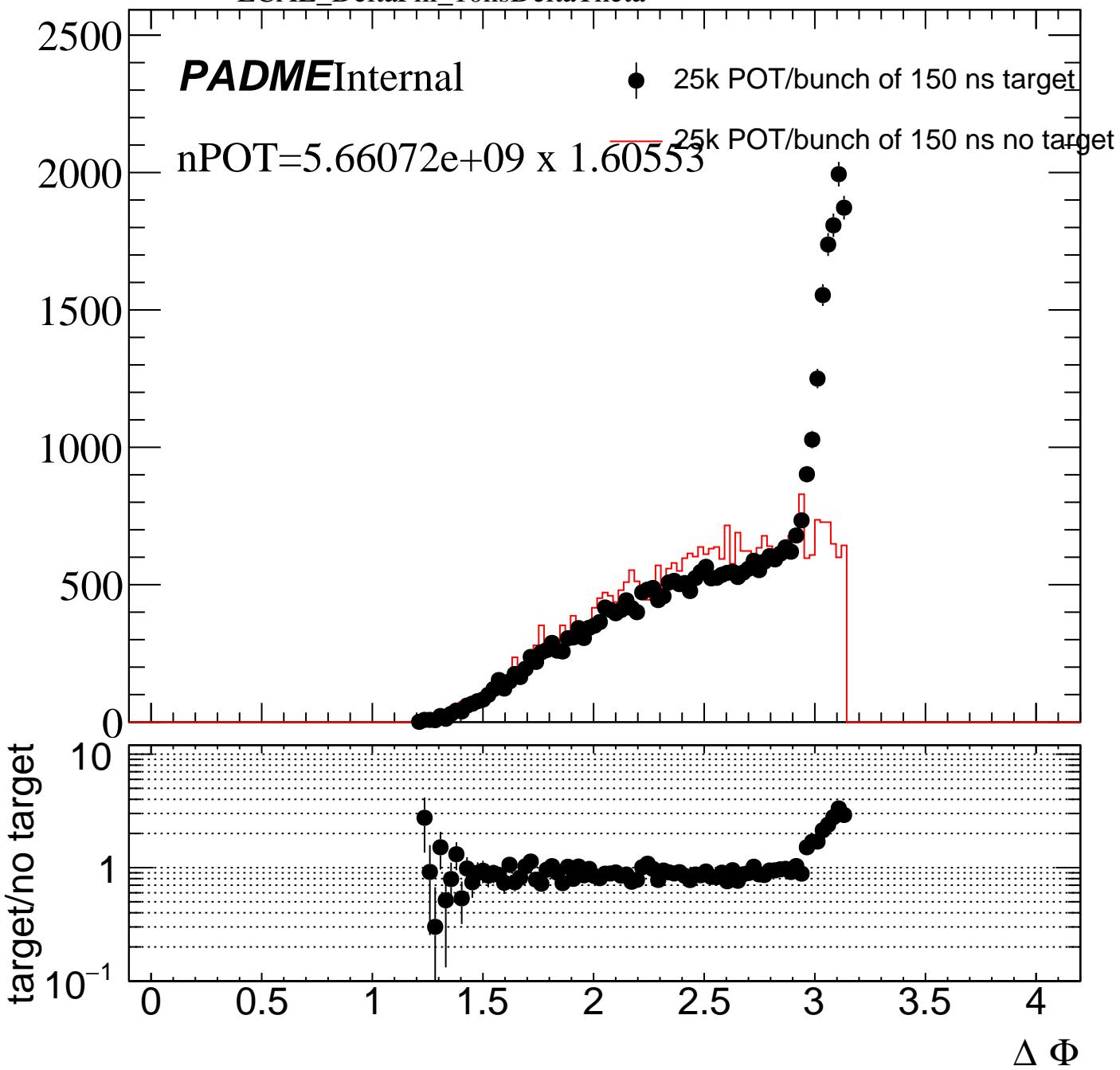


ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90

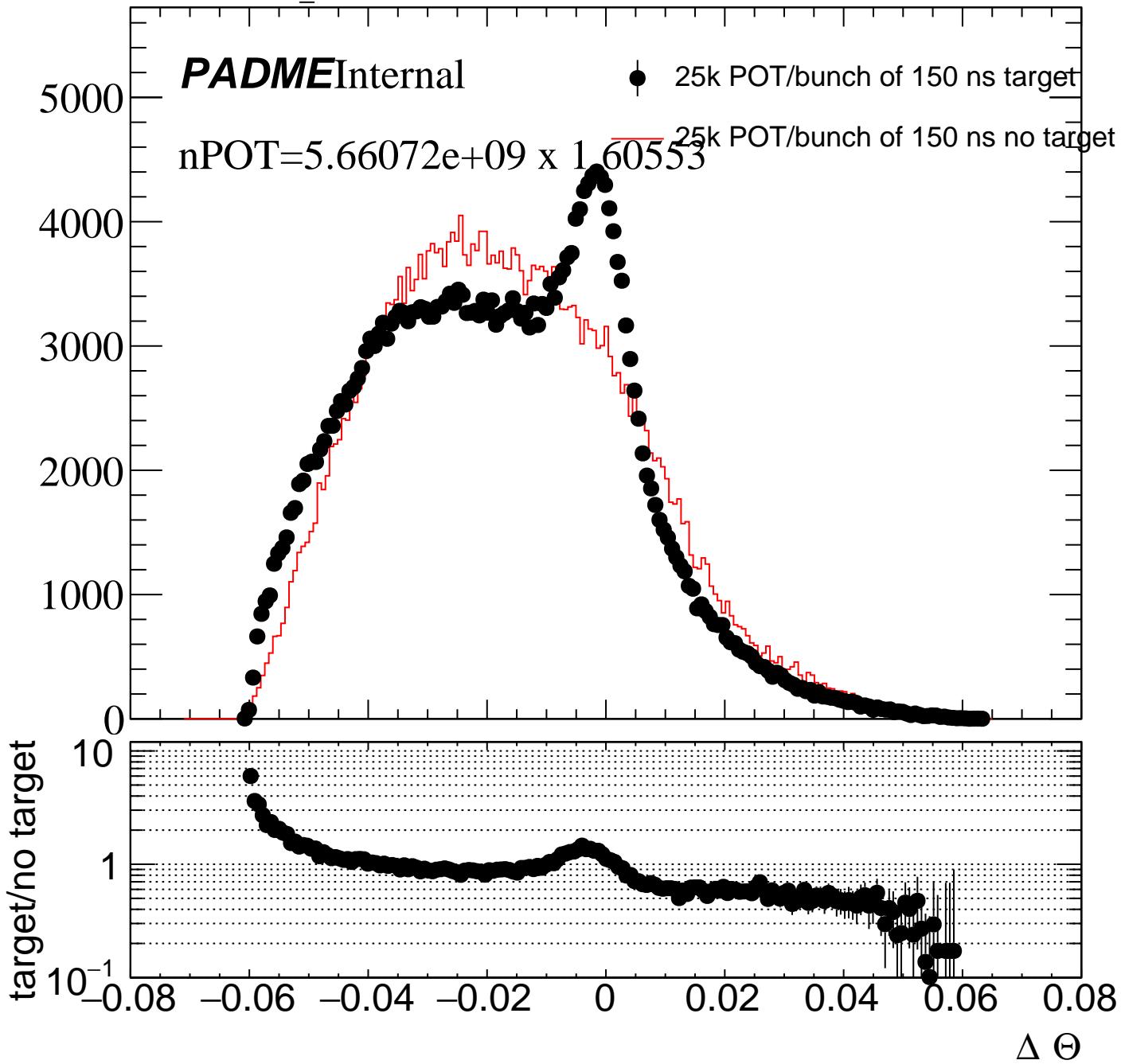




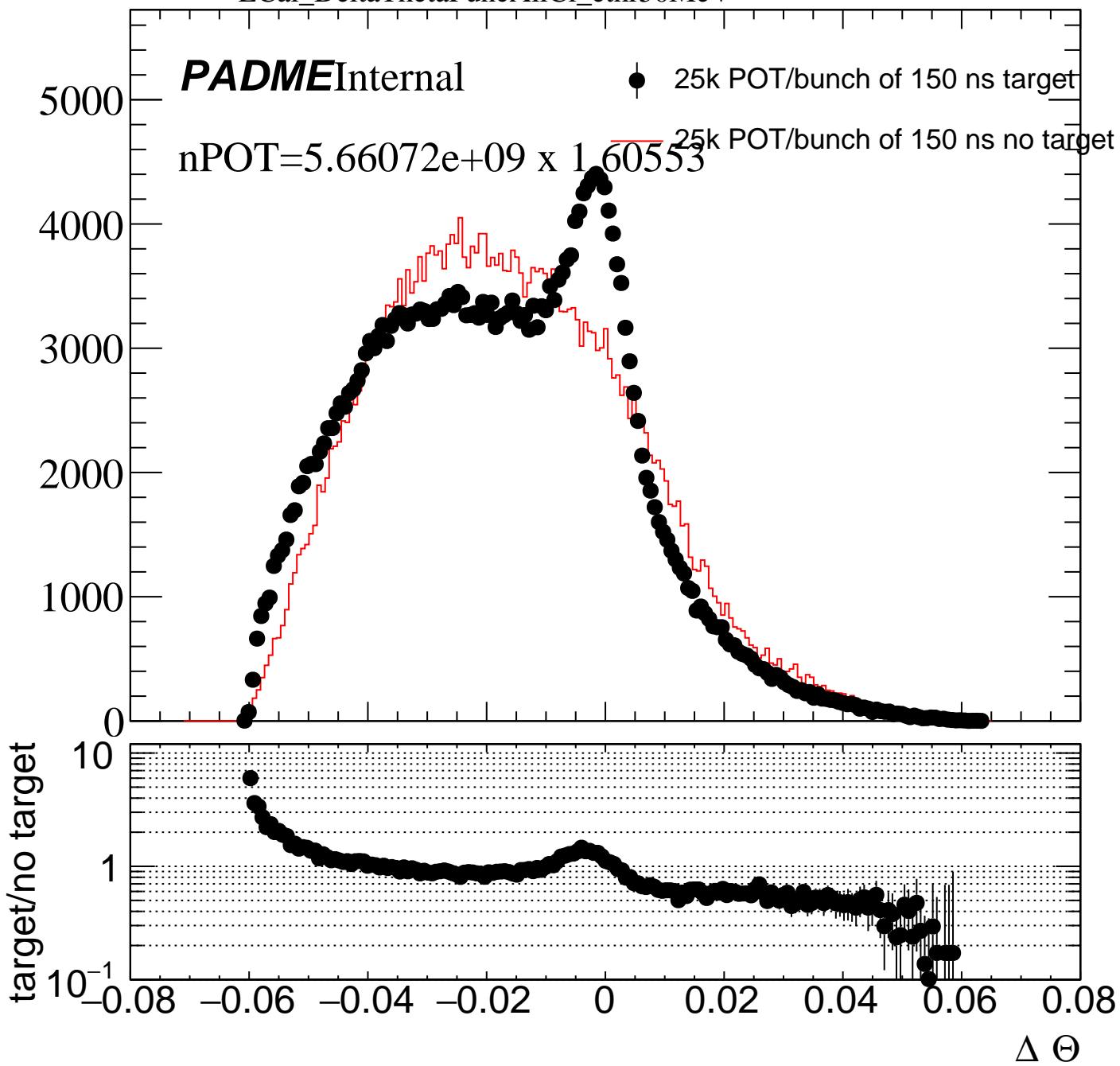
ECAL_DeltaPhi_10nsDeltaTheta



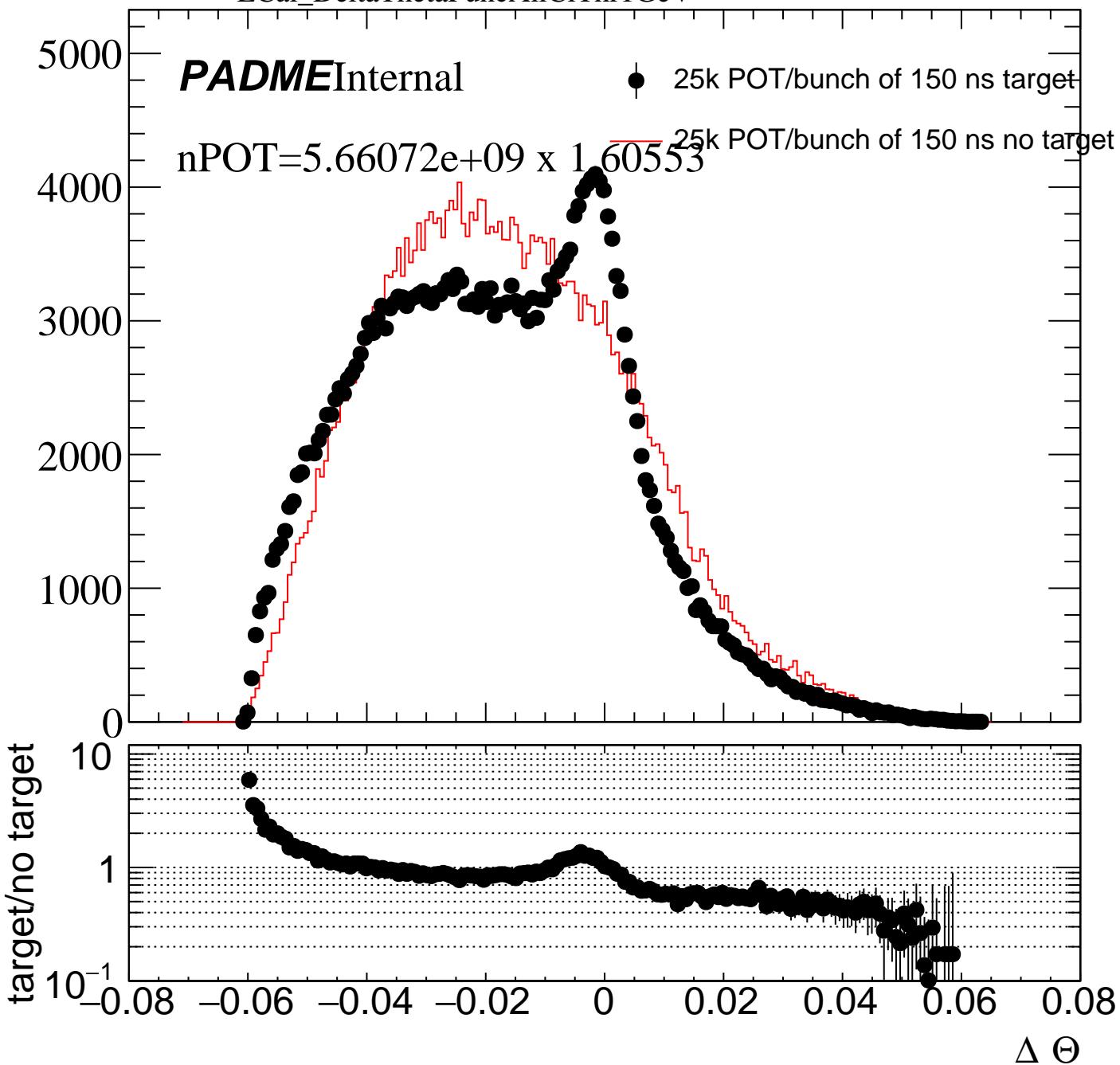
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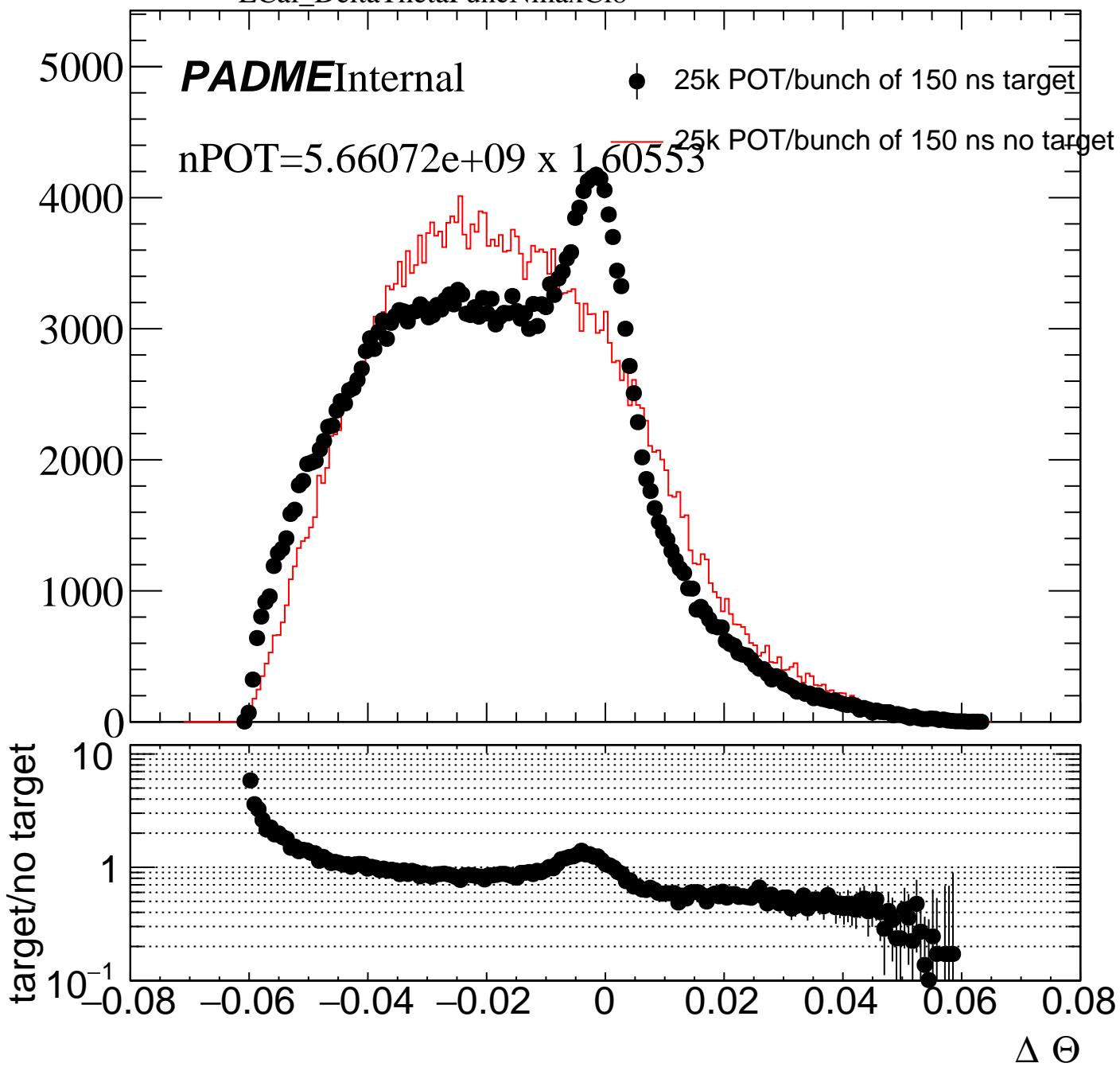
ECal_DeltaThetaFuncAllCl_ethyl50MeV



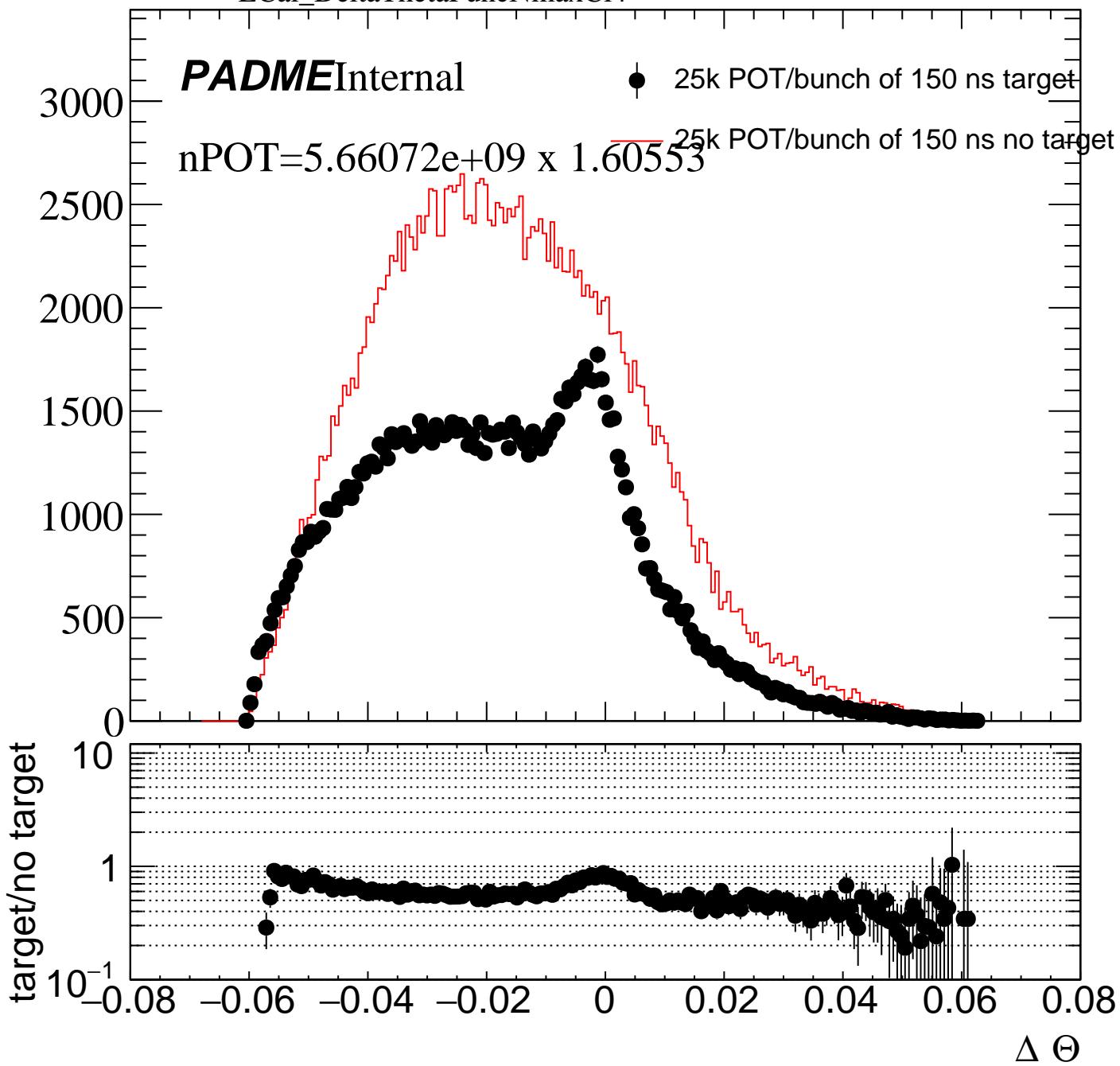
ECal_DeltaThetaFuncAllClThr1GeV



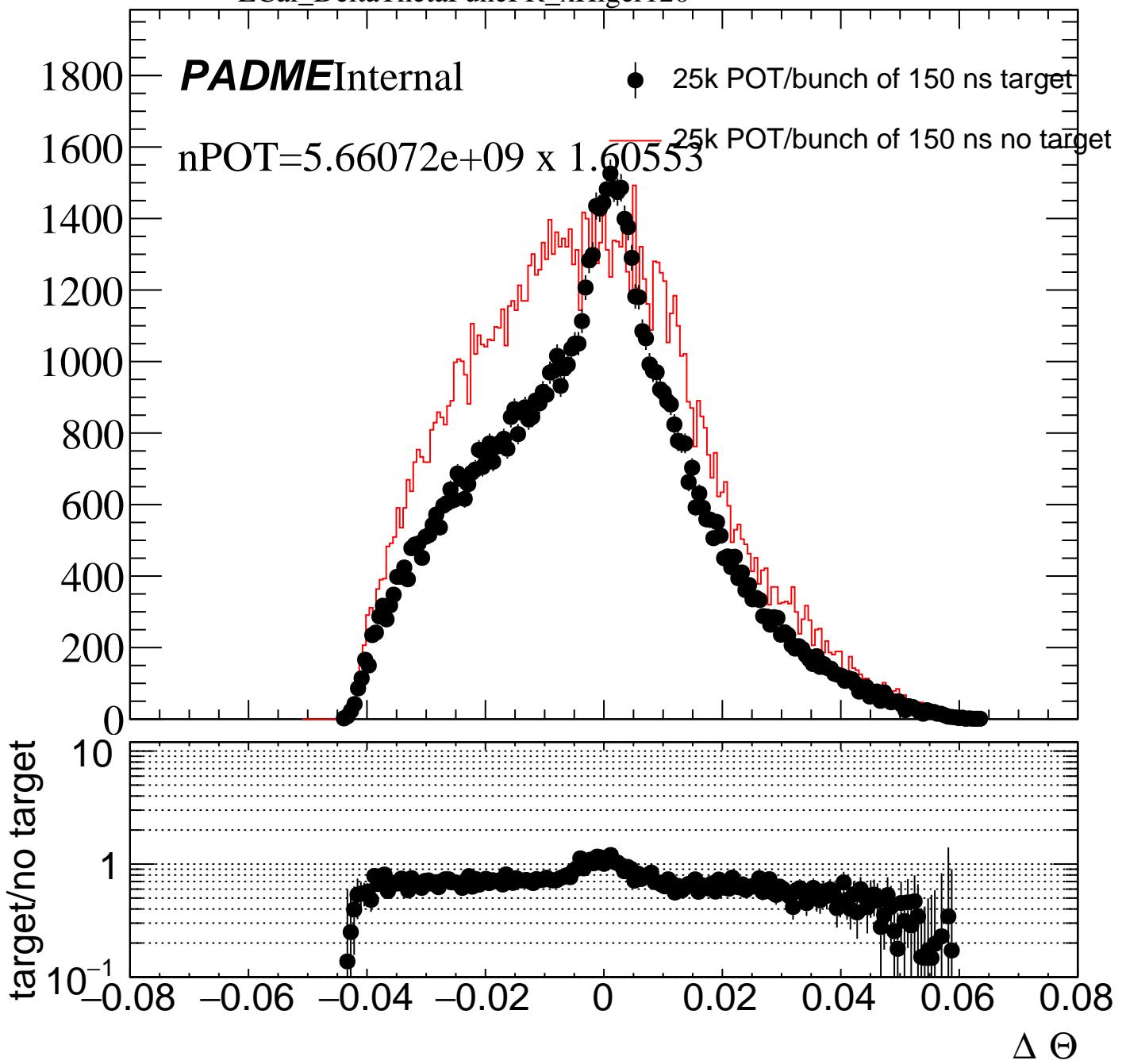
ECal_DeltaThetaFuncNmaxC18



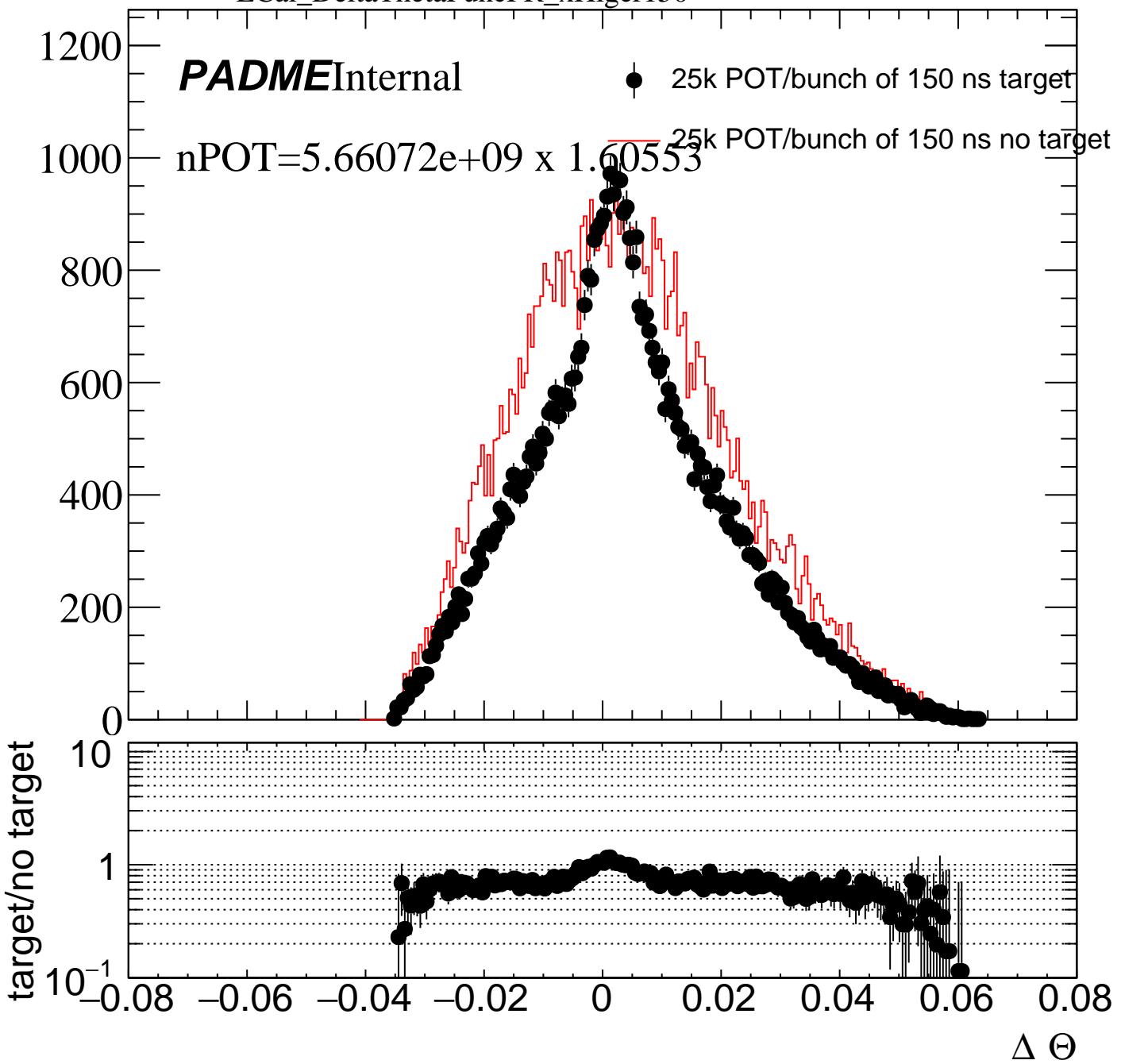
ECal_DeltaThetaFuncNmaxC14

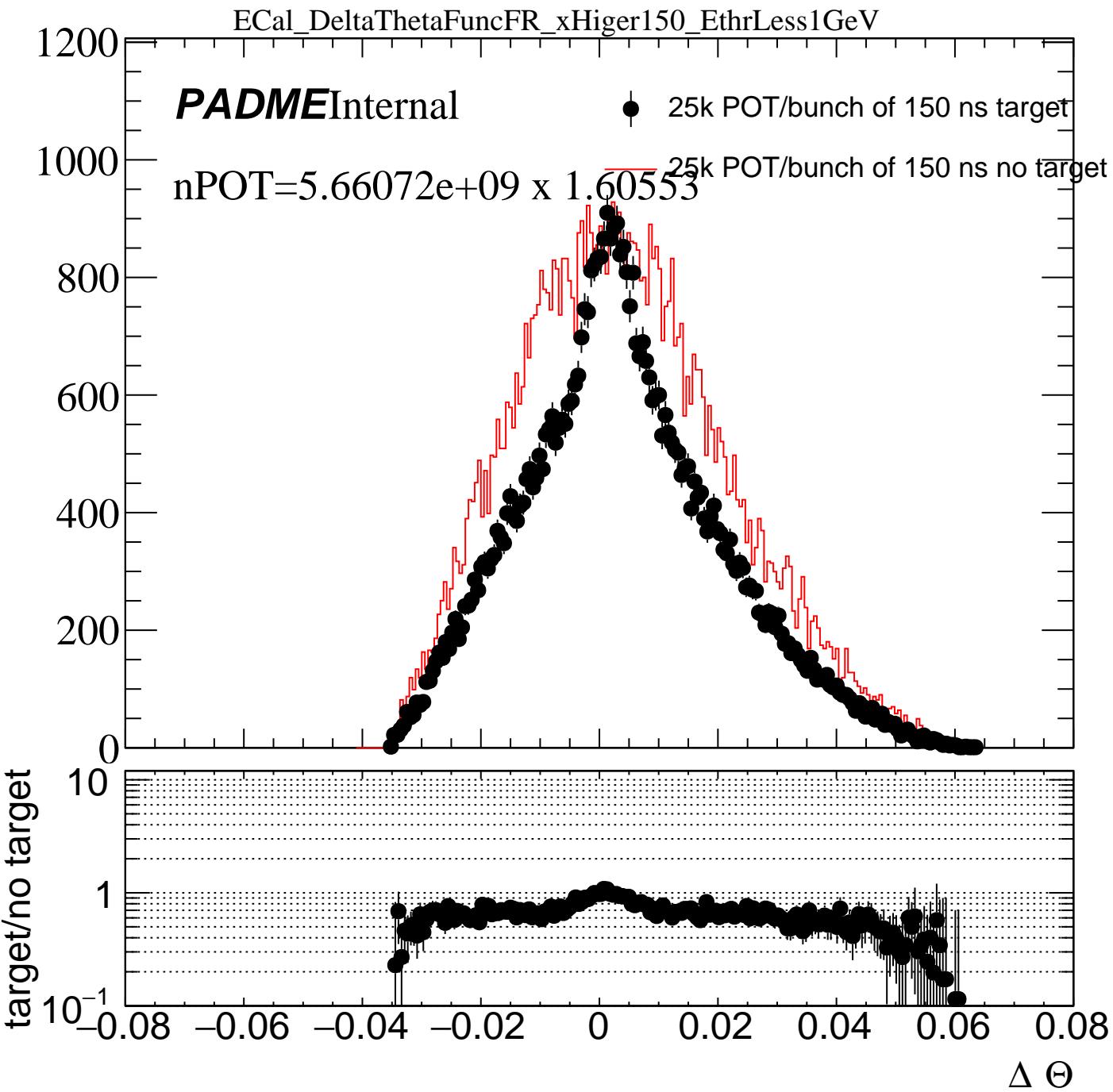


ECal_DeltaThetaFuncFR_xHiger120

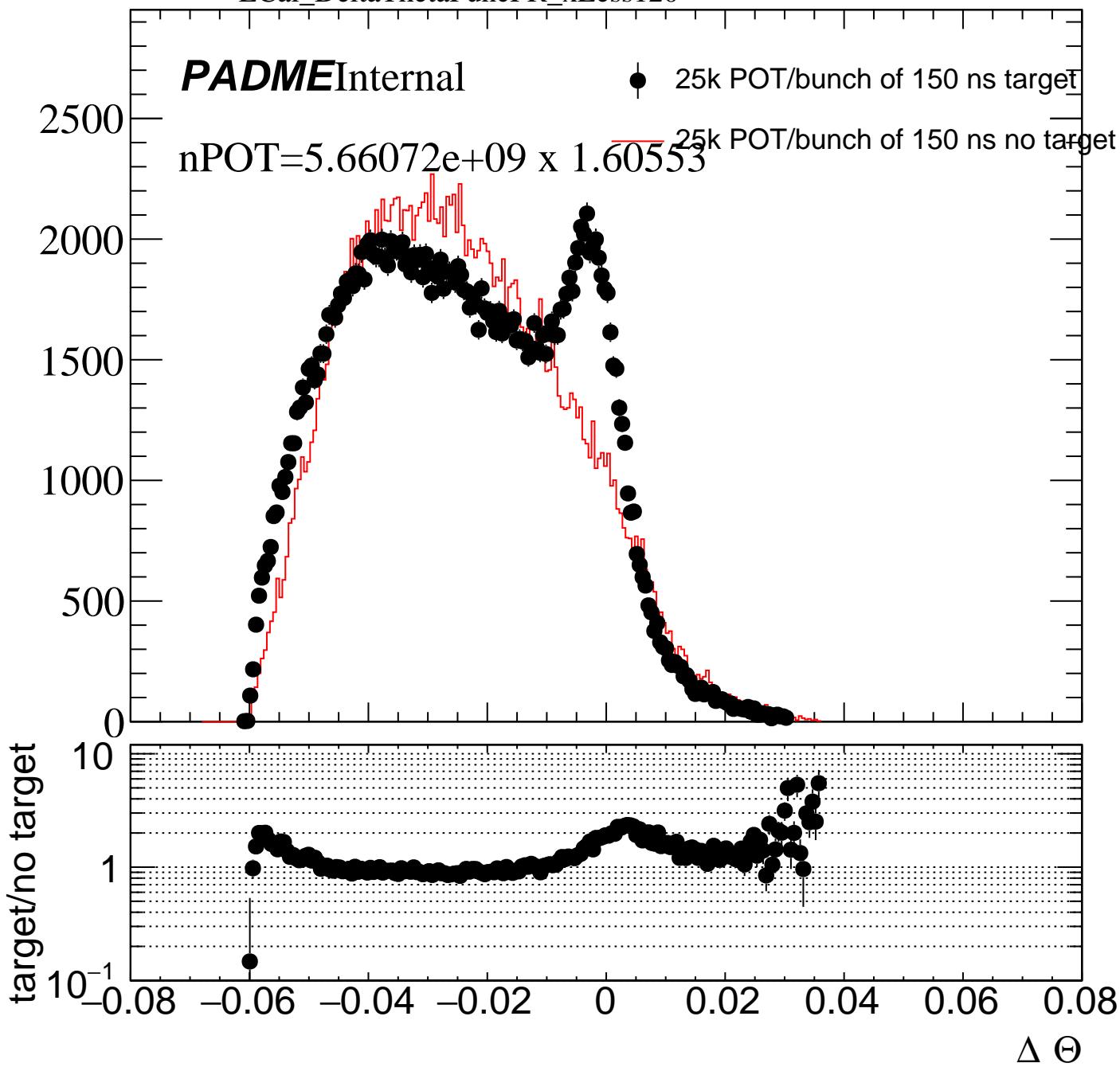


ECal_DeltaThetaFuncFR_xHiger150

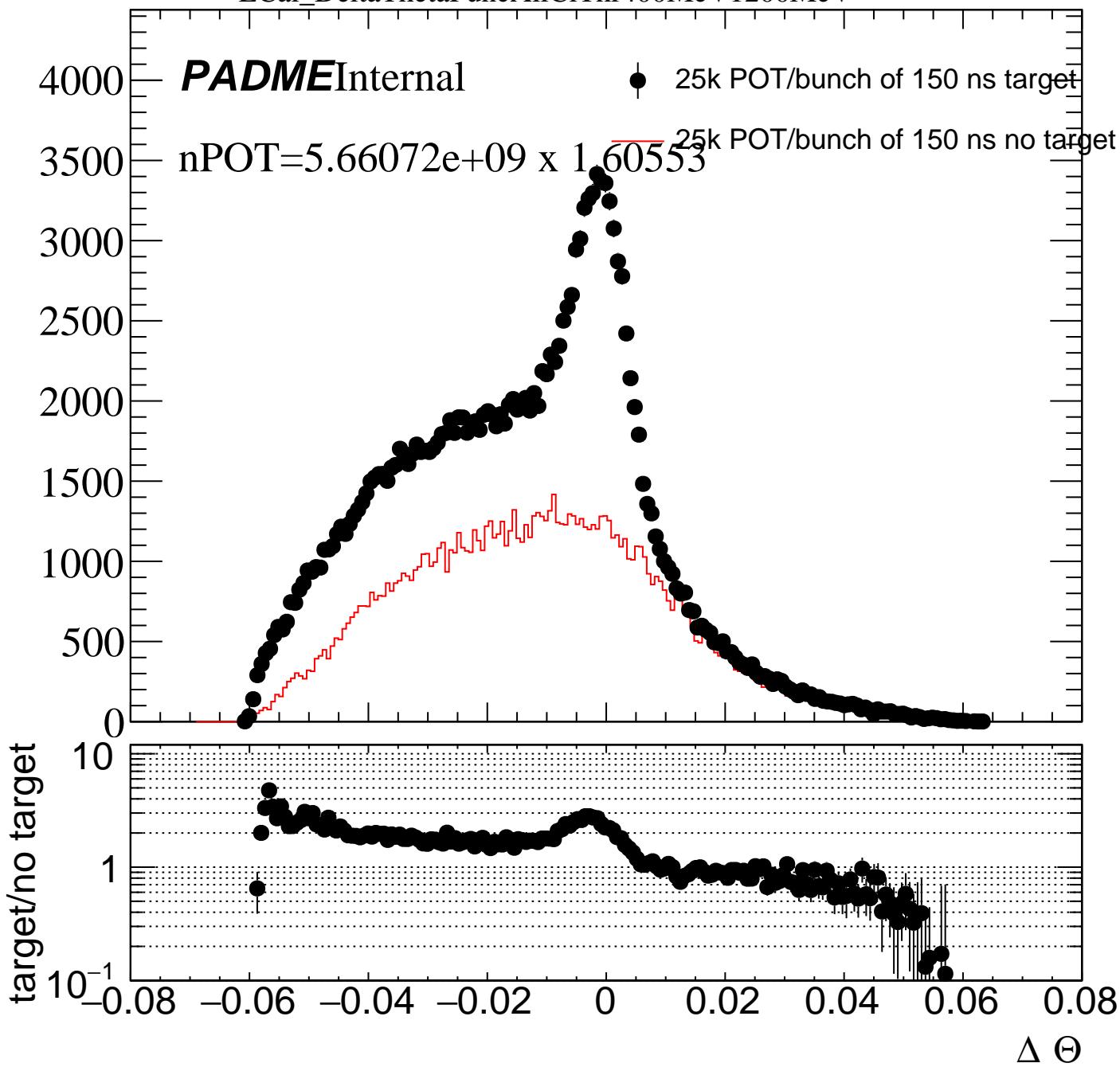




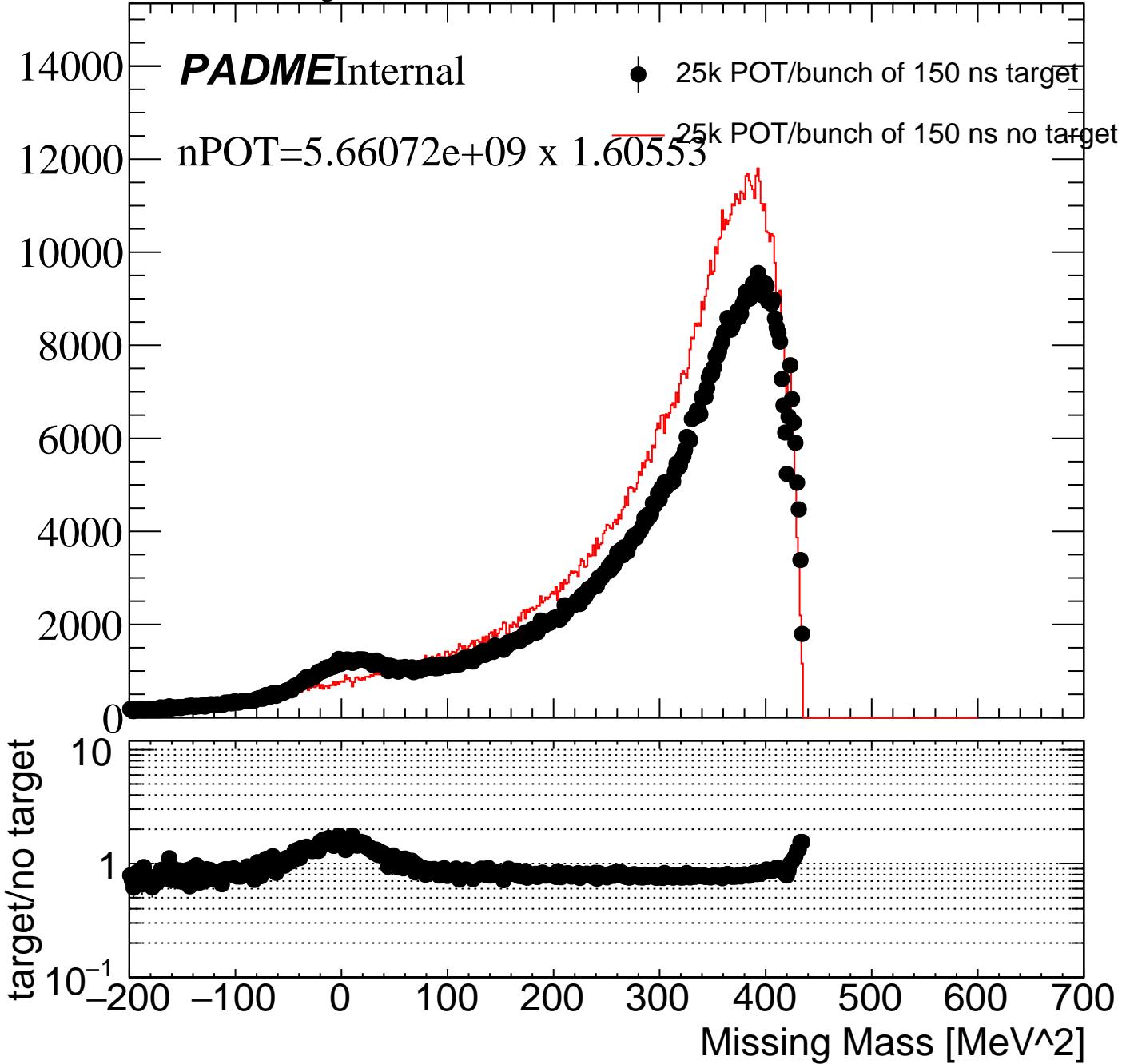
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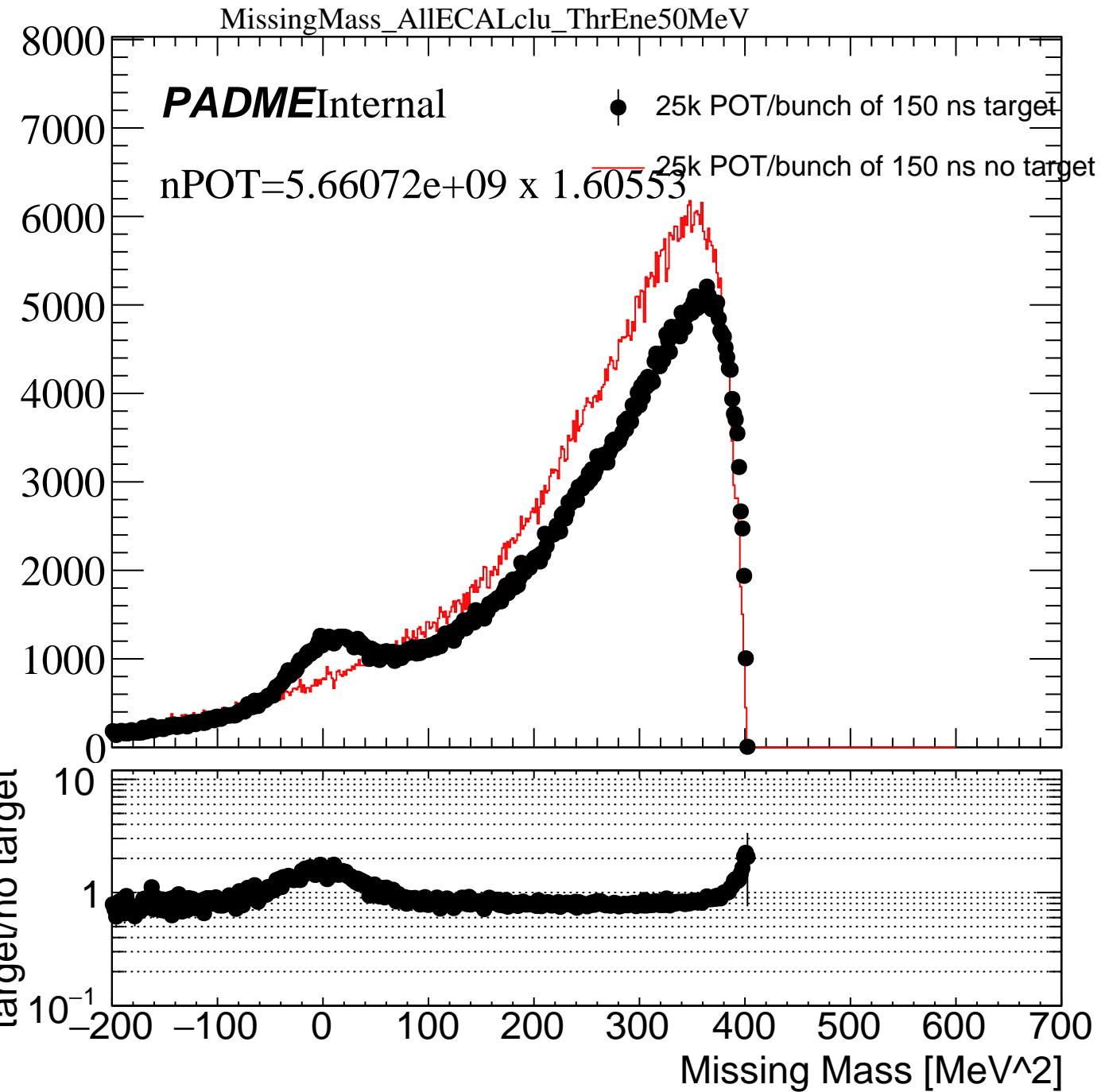


ECal_DeltaThetaFuncAllClThr400MeV1200MeV

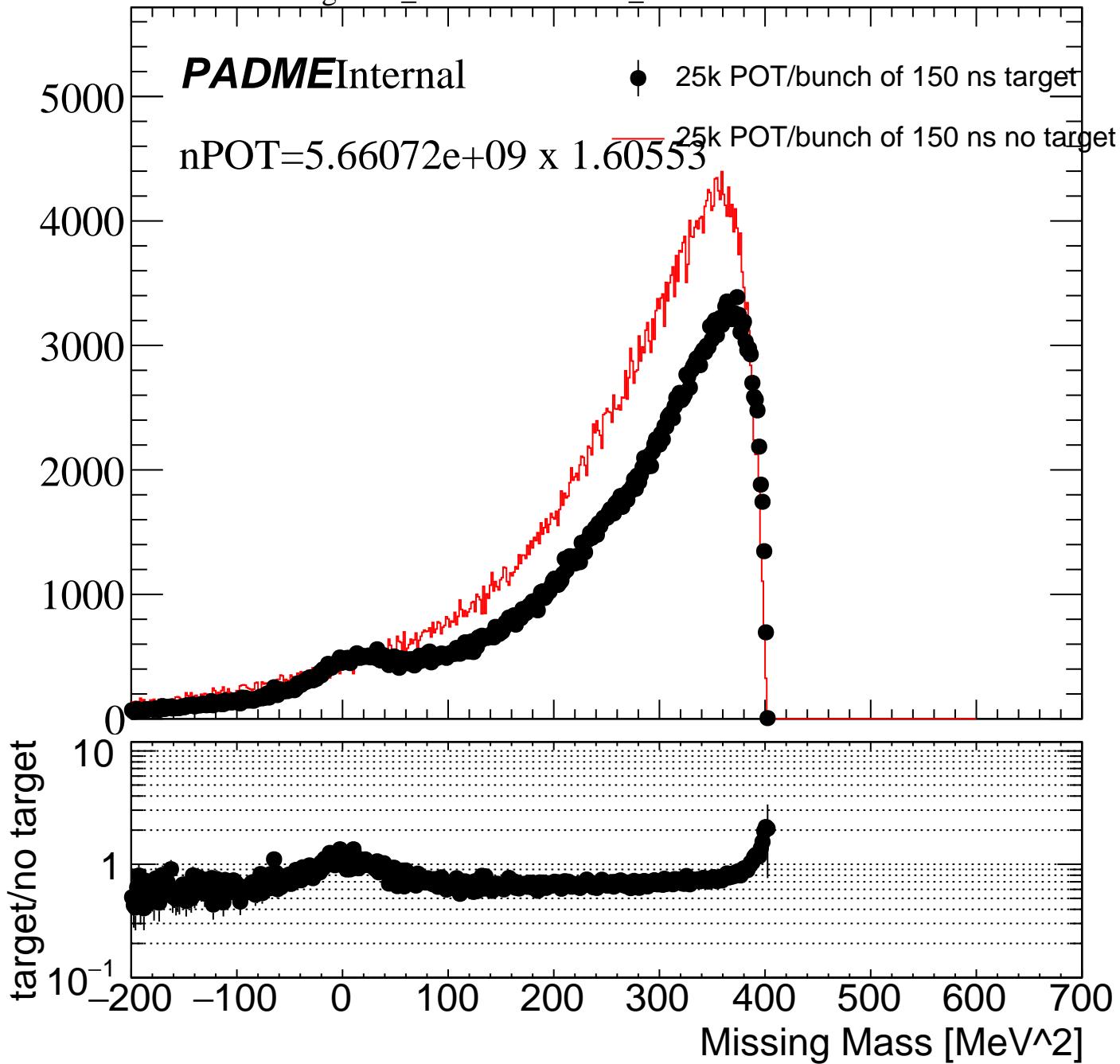


MissingMass_AllECALclu

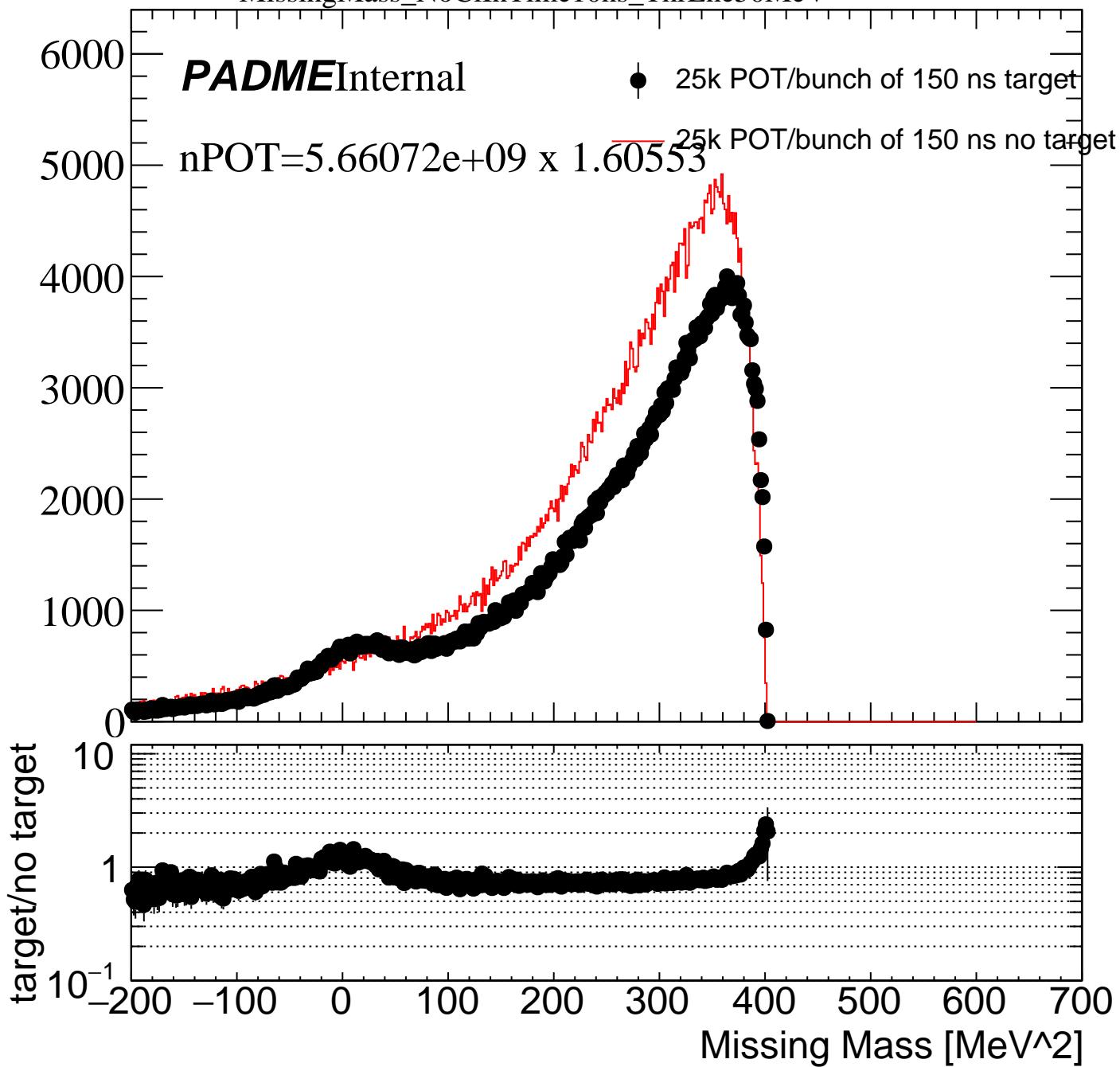




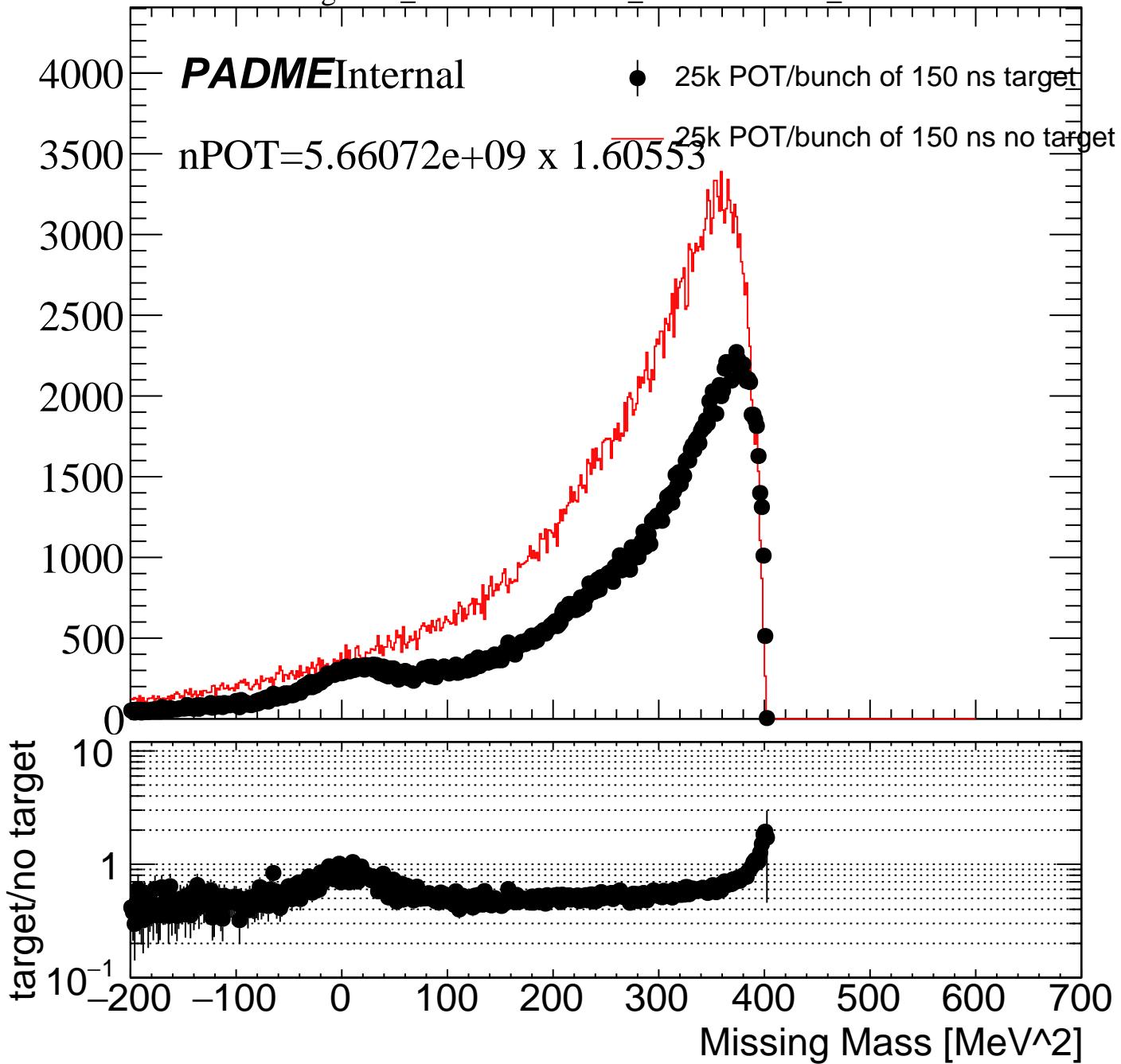
MissingMass_NoClInTime20ns_ThrEne50MeV

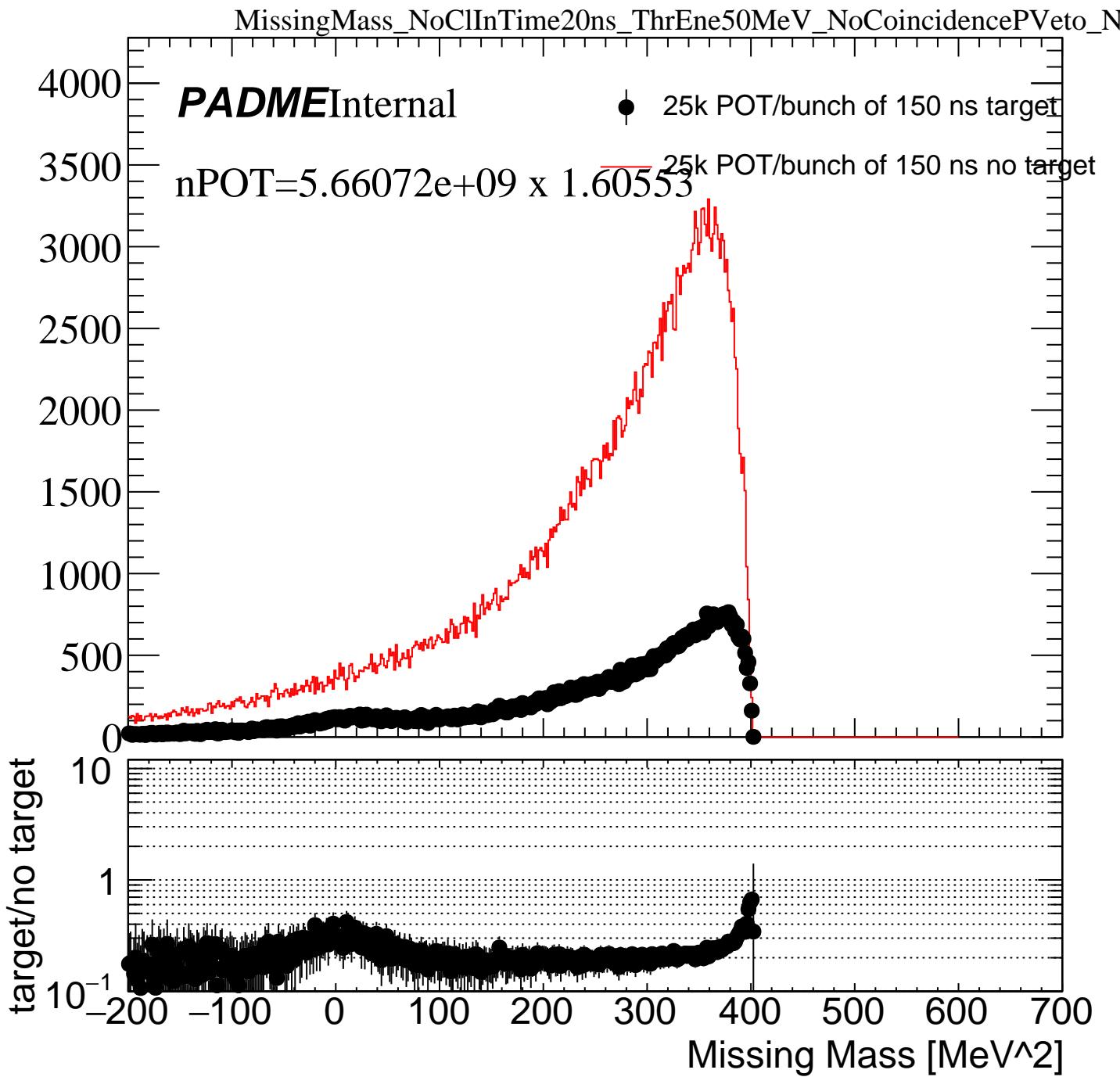


MissingMass_NoClInTime10ns_ThrEne50MeV

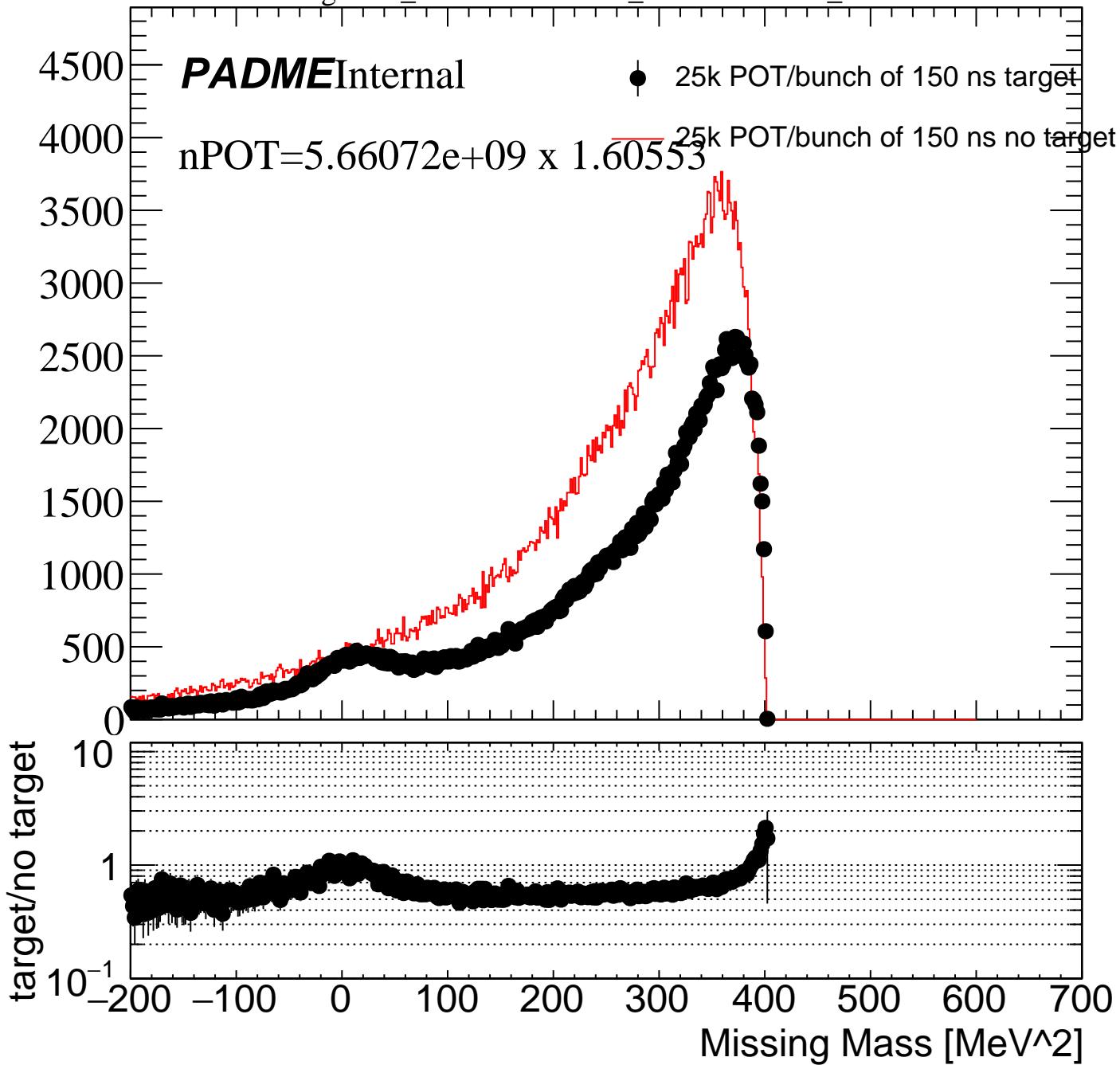


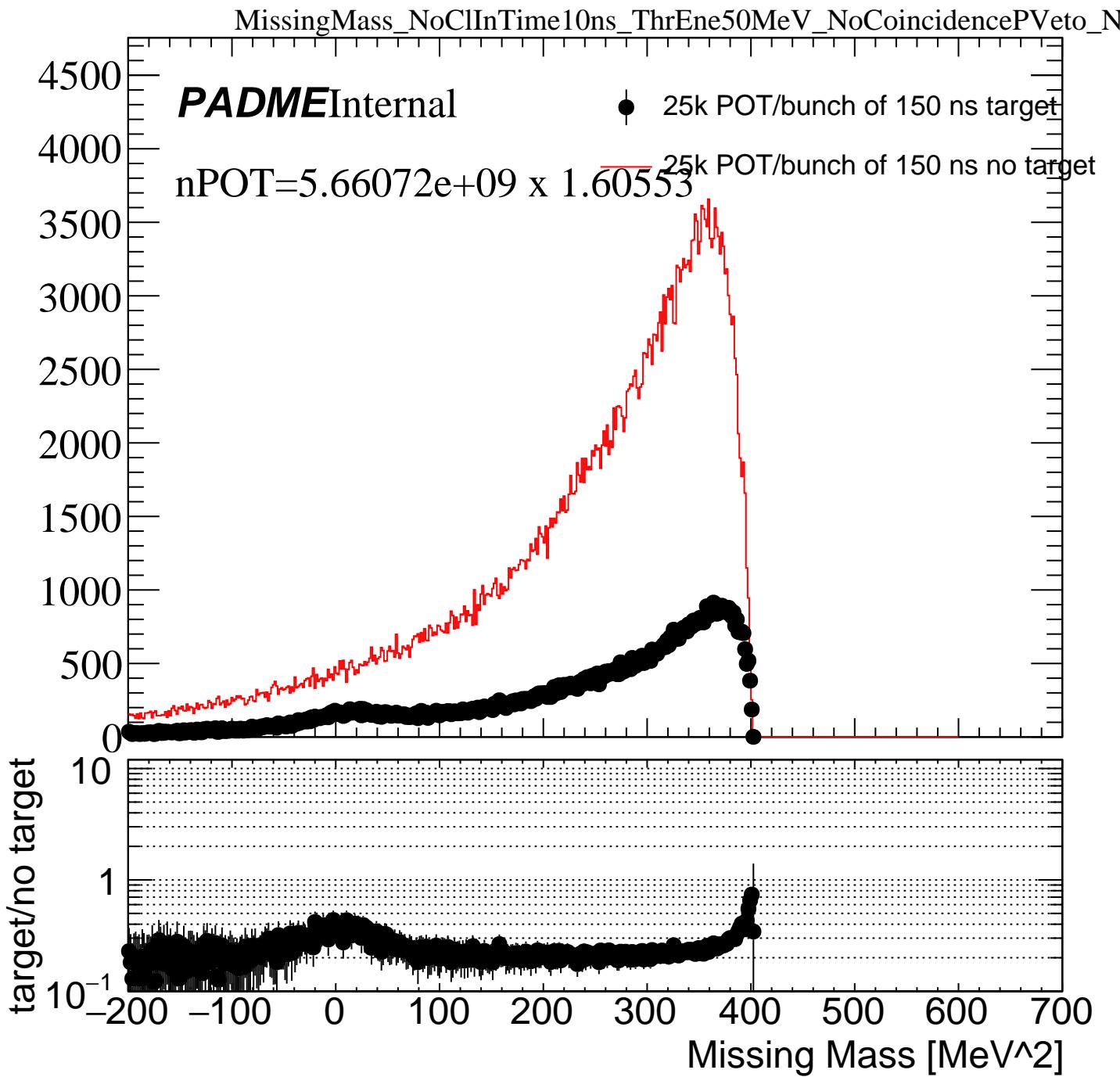
MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto



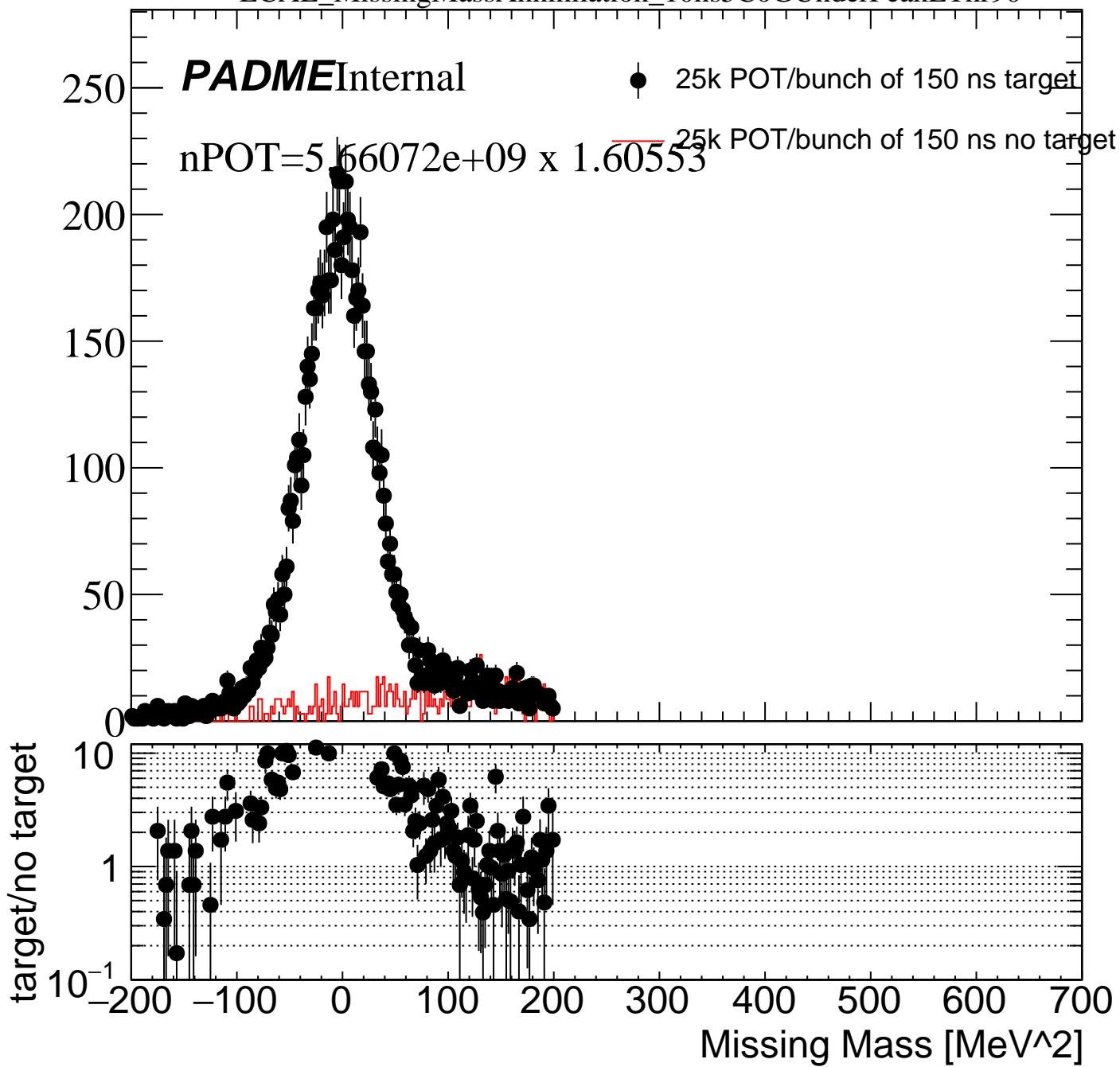


MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto





ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90



ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90

