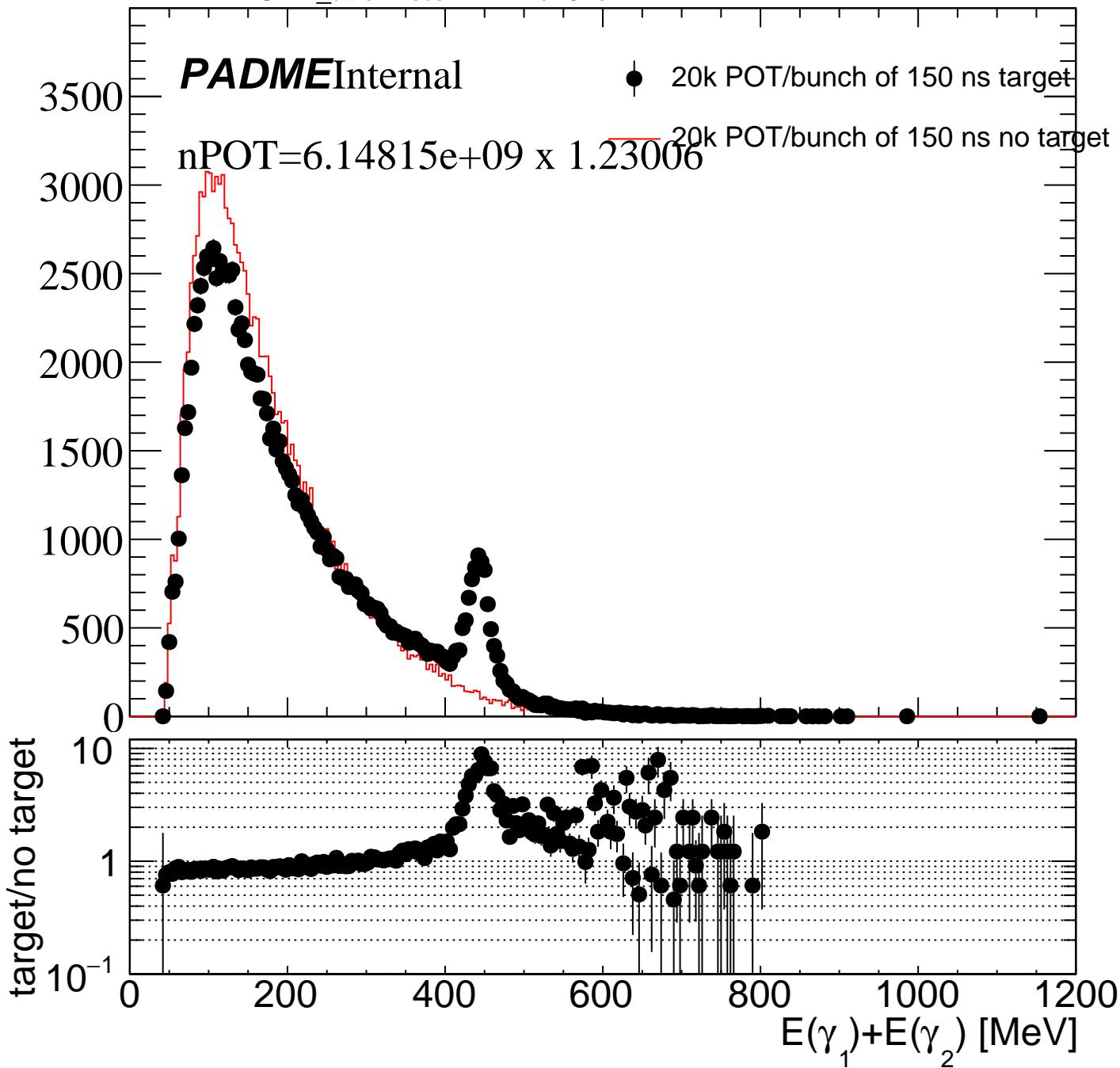
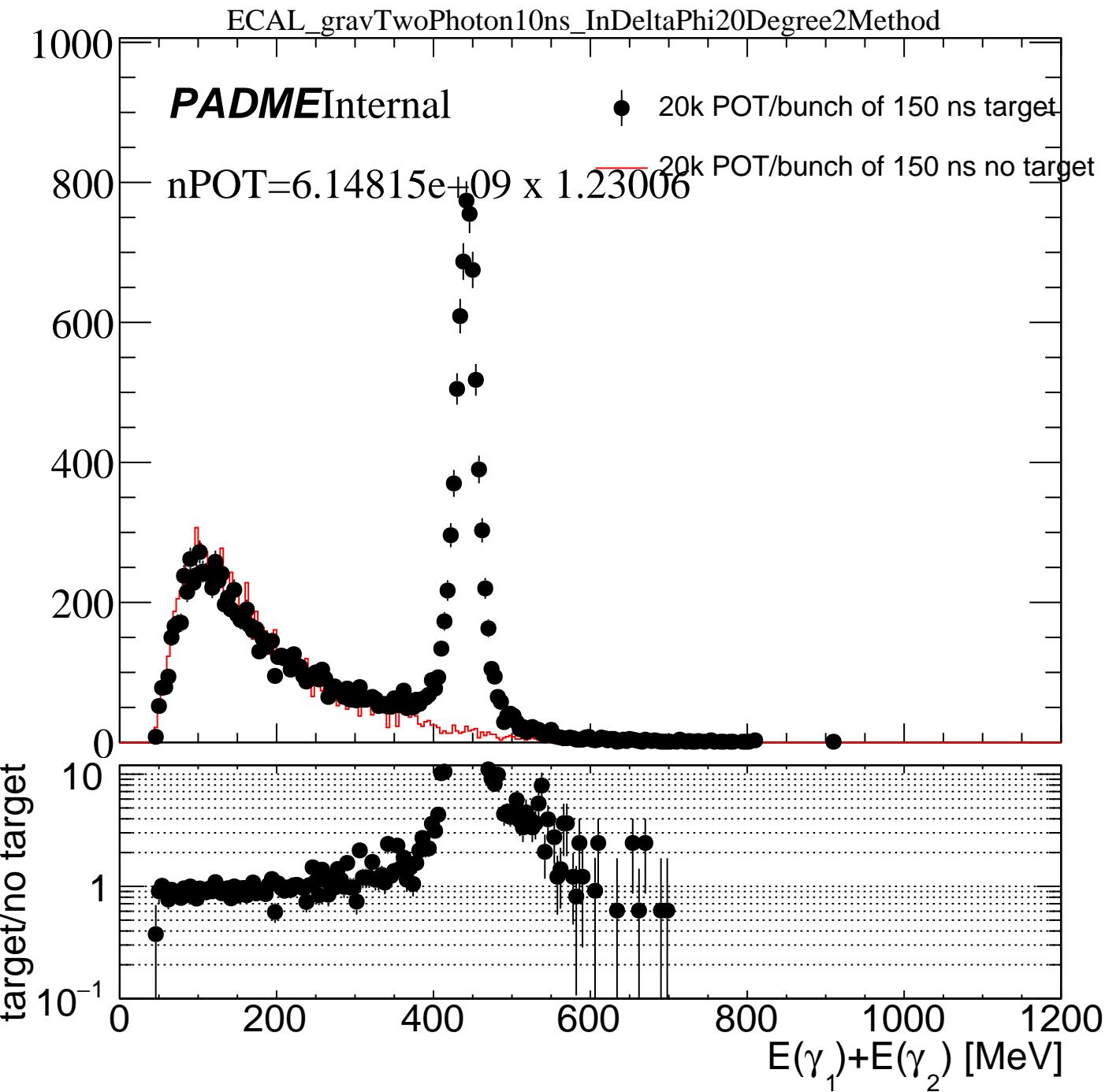
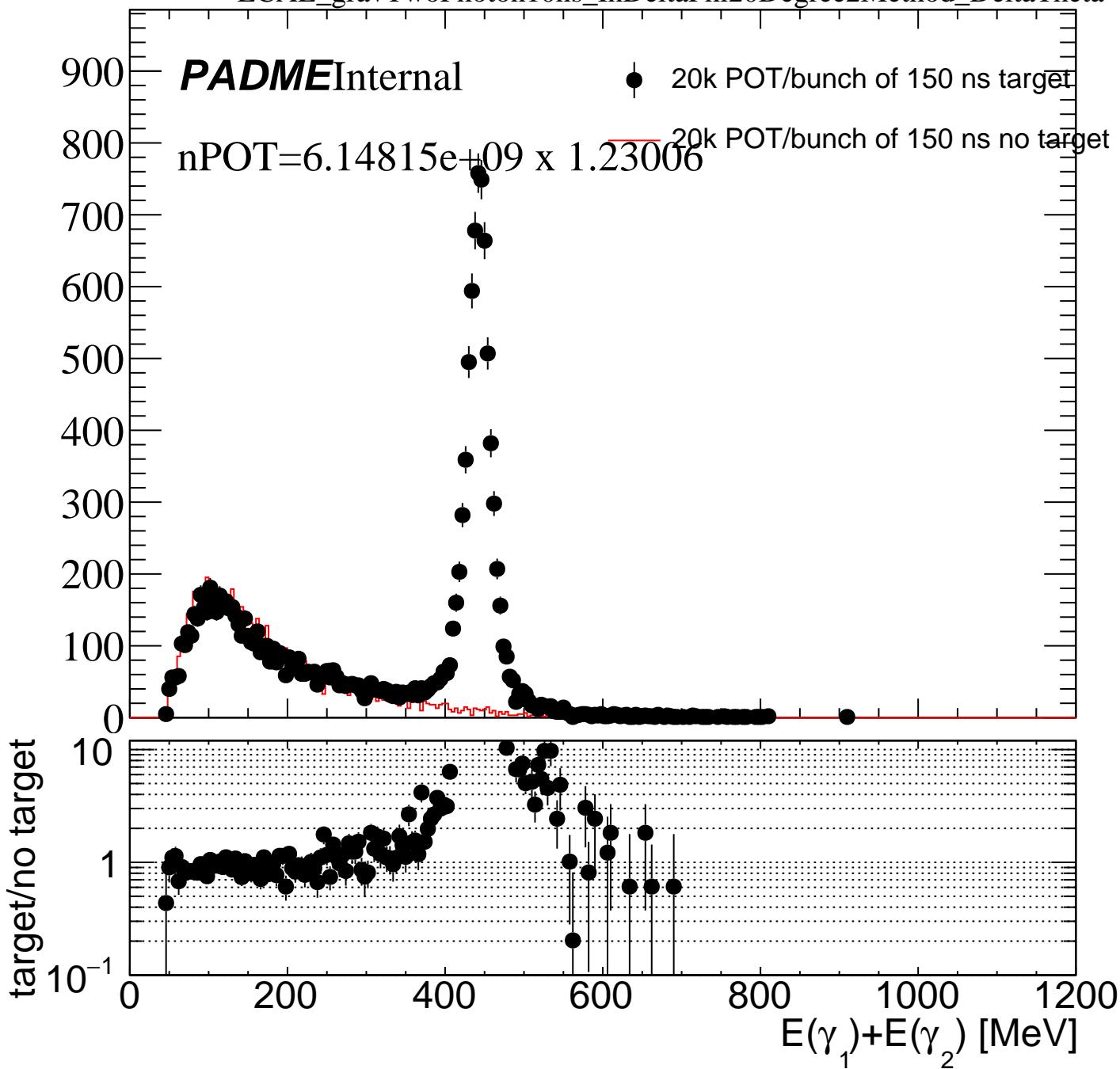


ECAL_twoPhotonInTime10ns

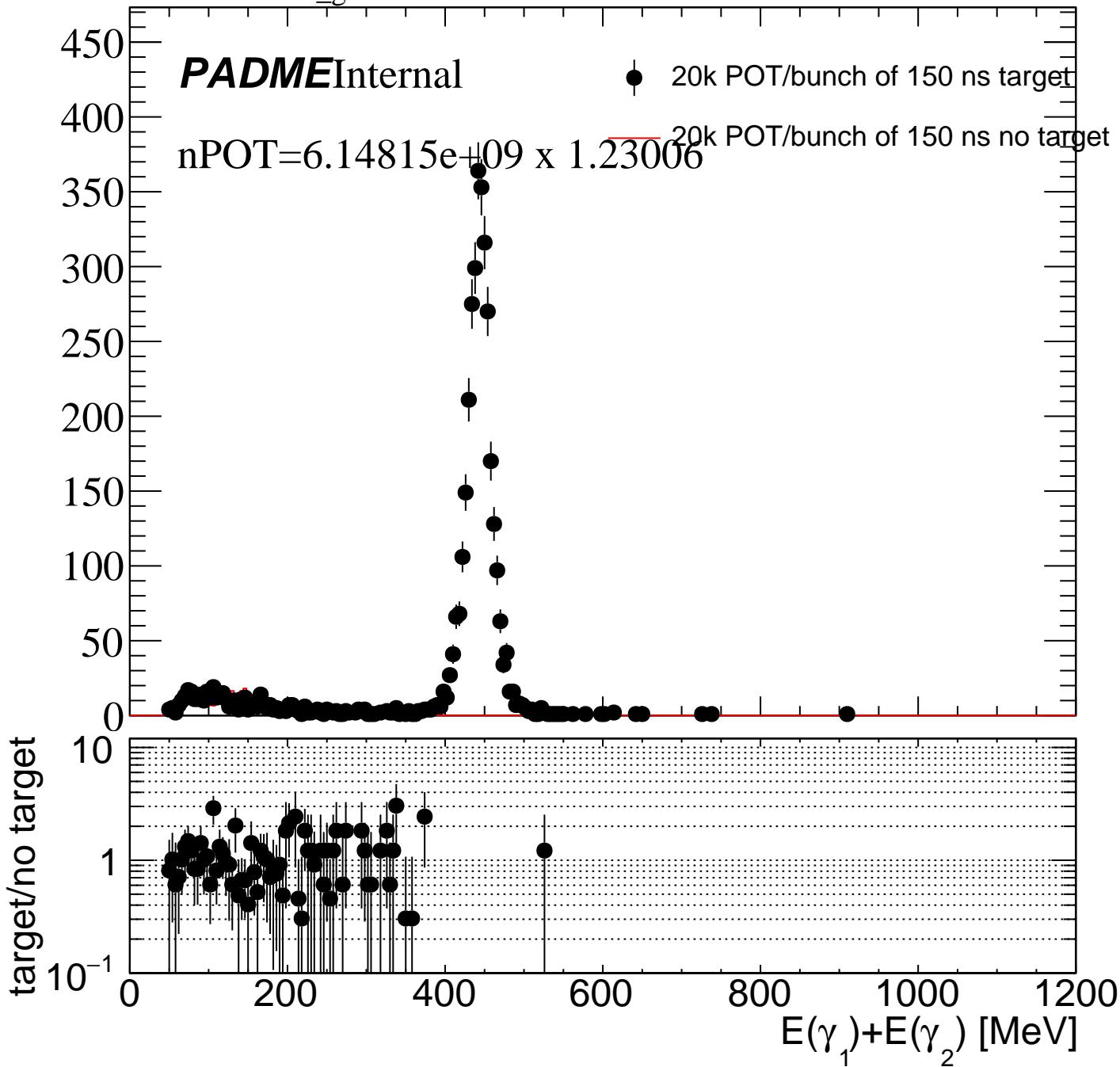




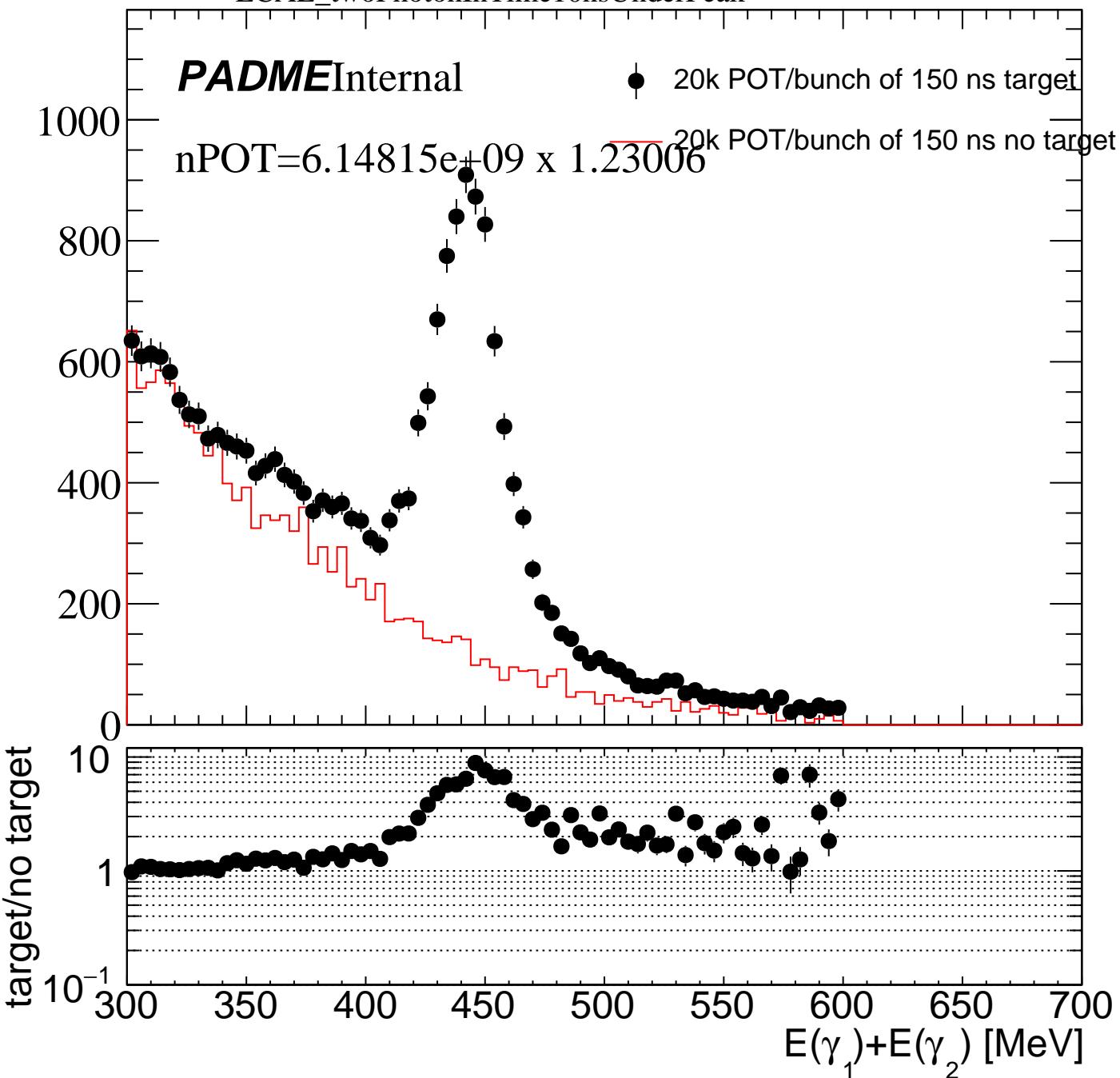
ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method_DeltaTheta

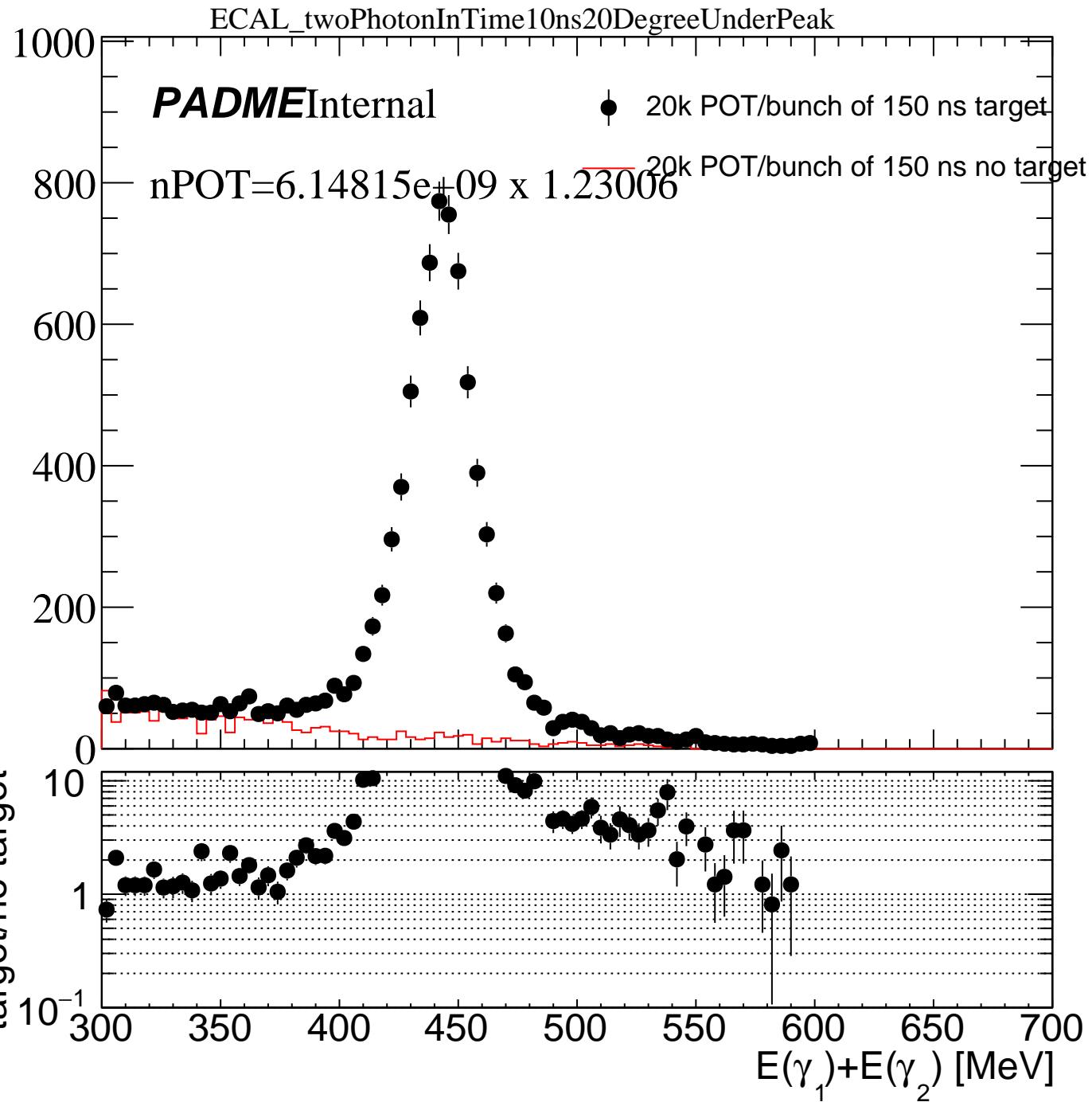


ECAL_gravTwoPhoton10ns1cm

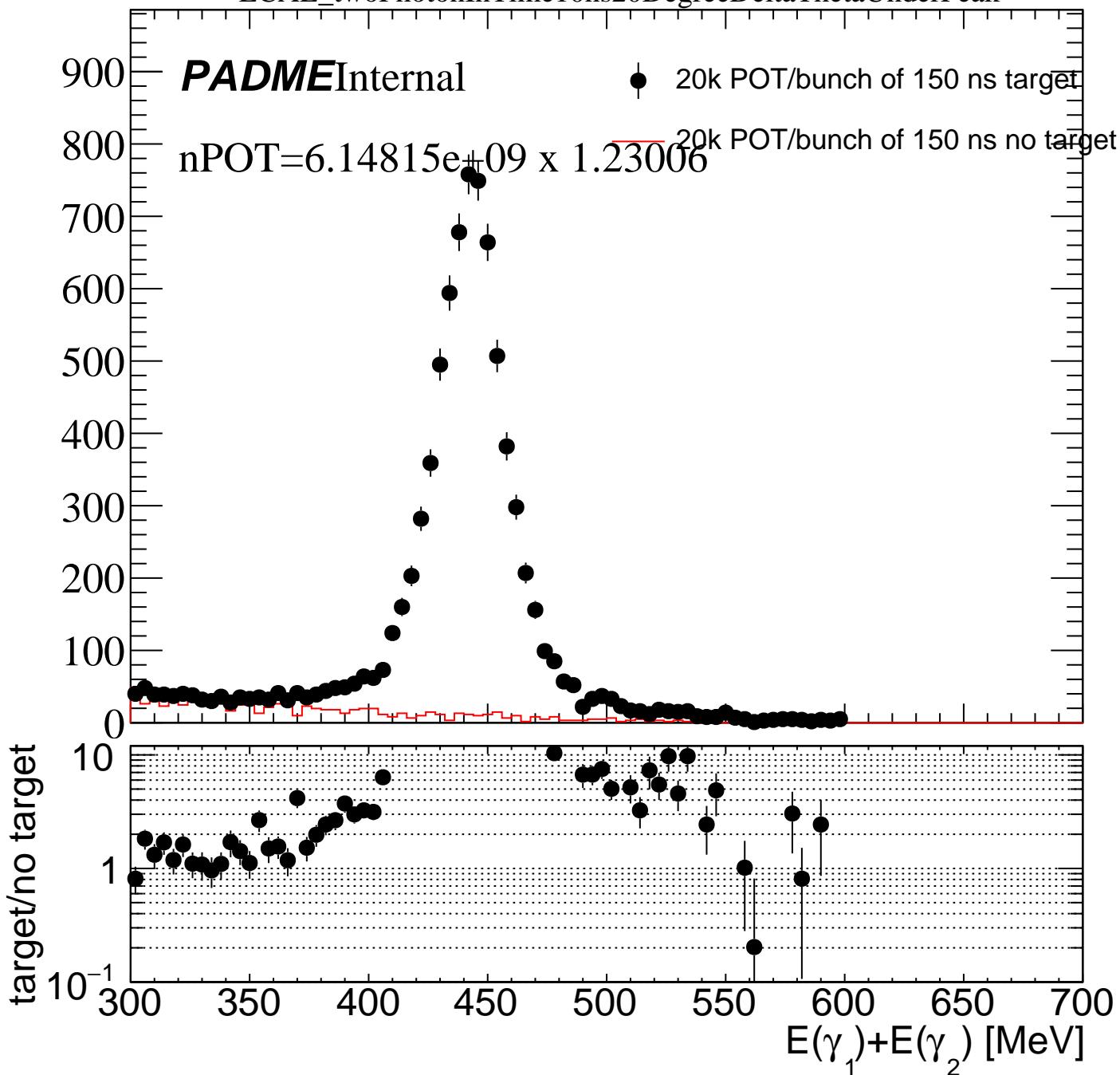


ECAL_twoPhotonInTime10nsUnderPeak

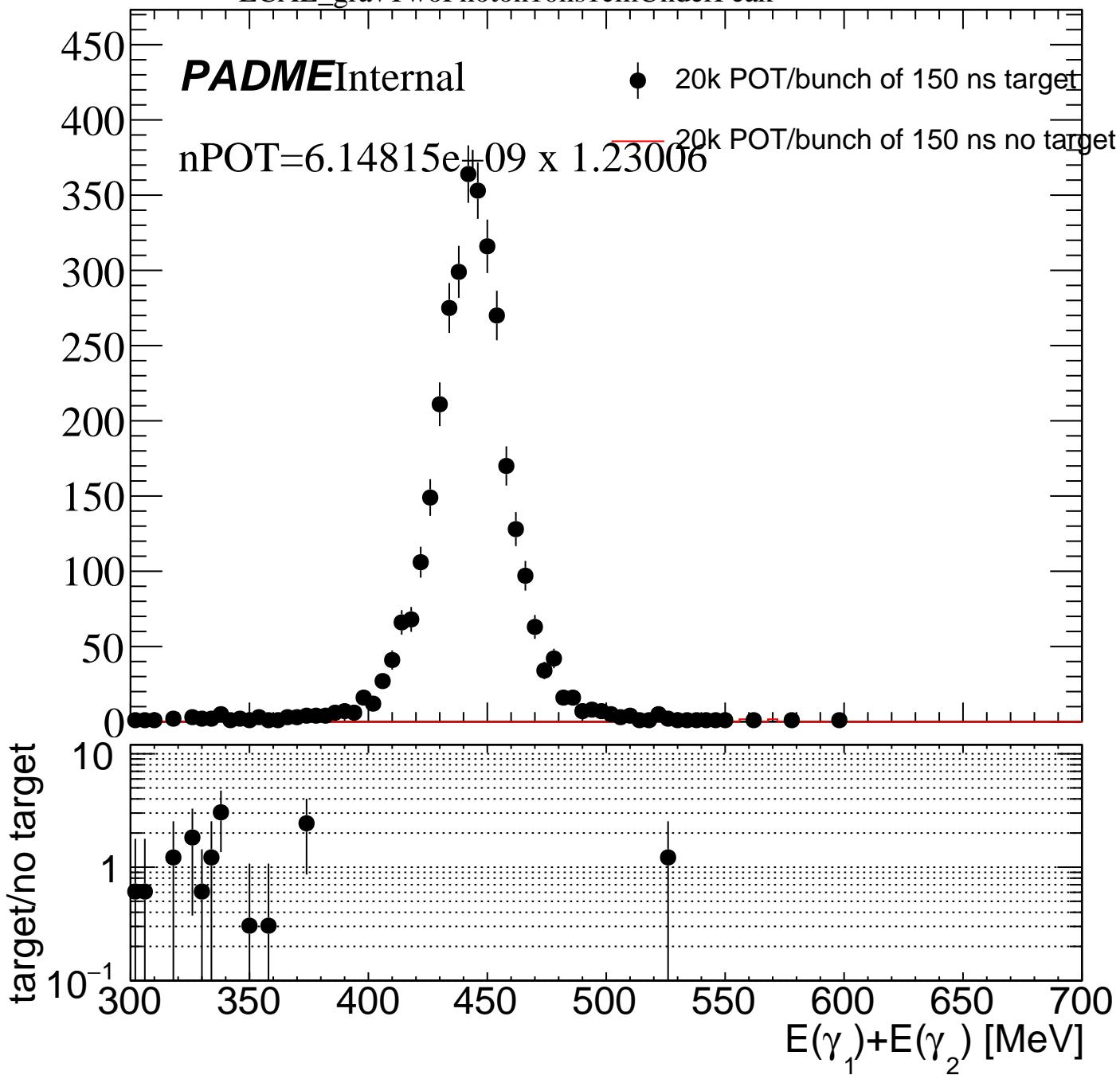




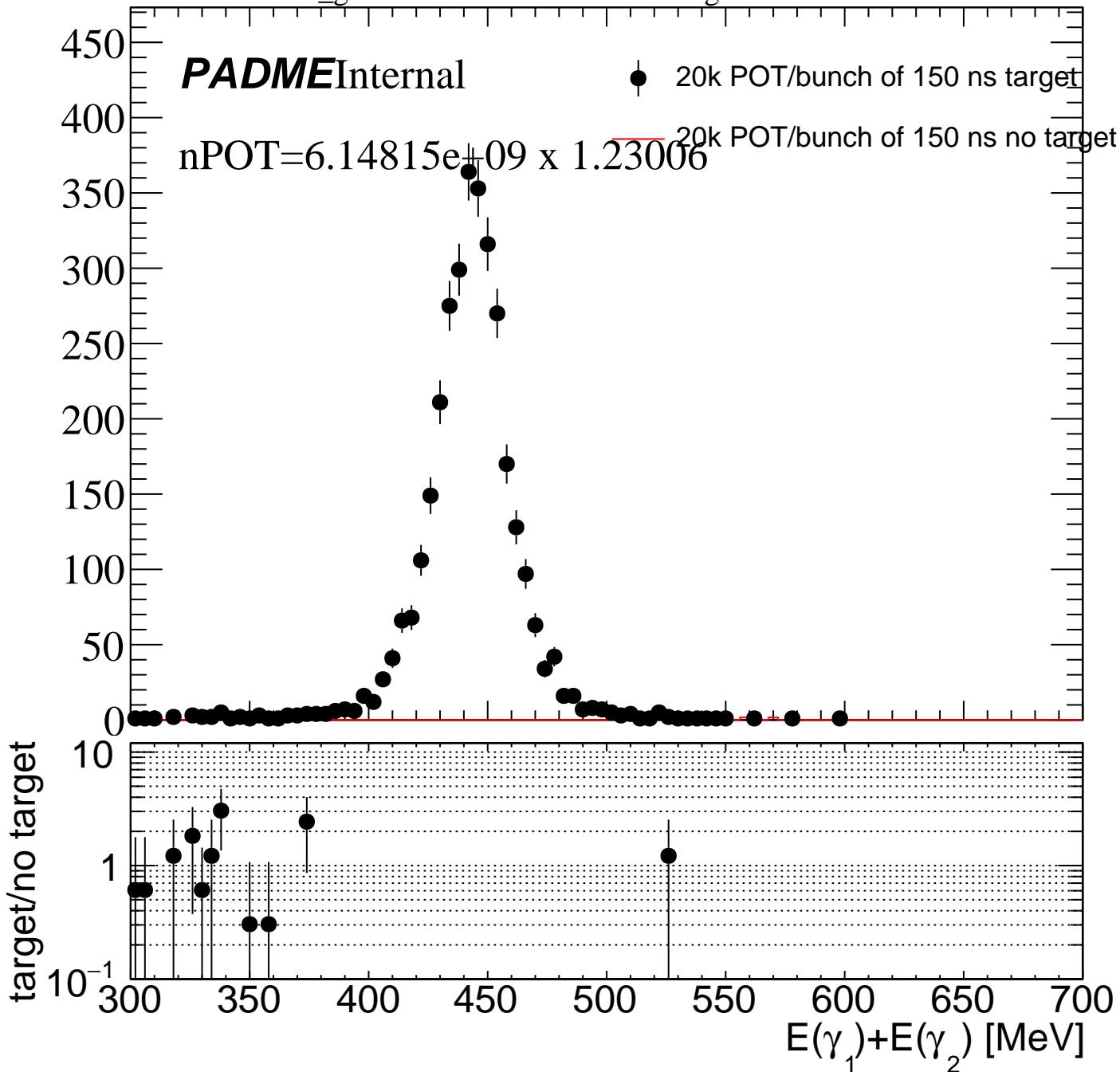
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak



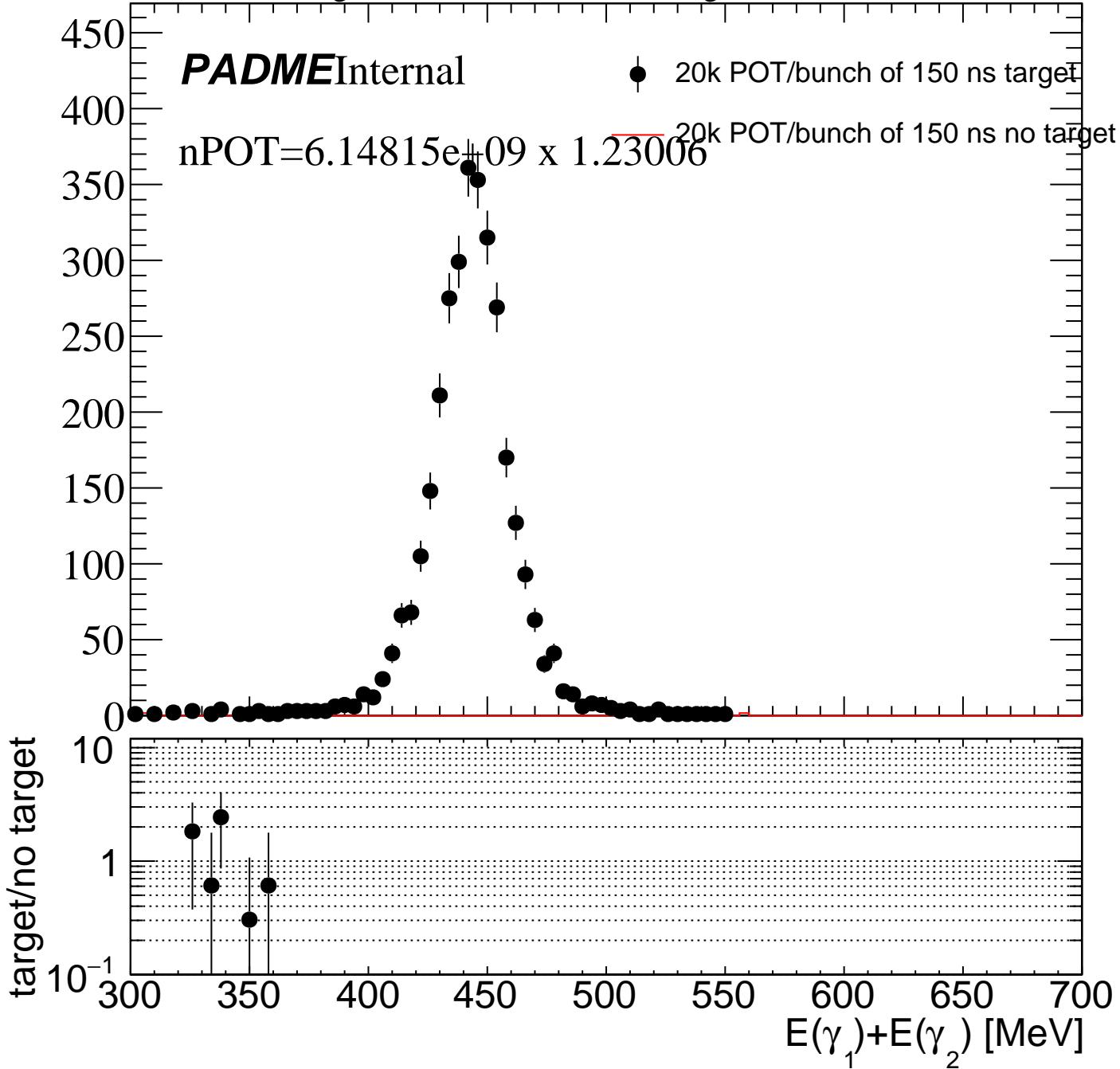
ECAL_gravTwoPhoton10ns1cmUnderPeak



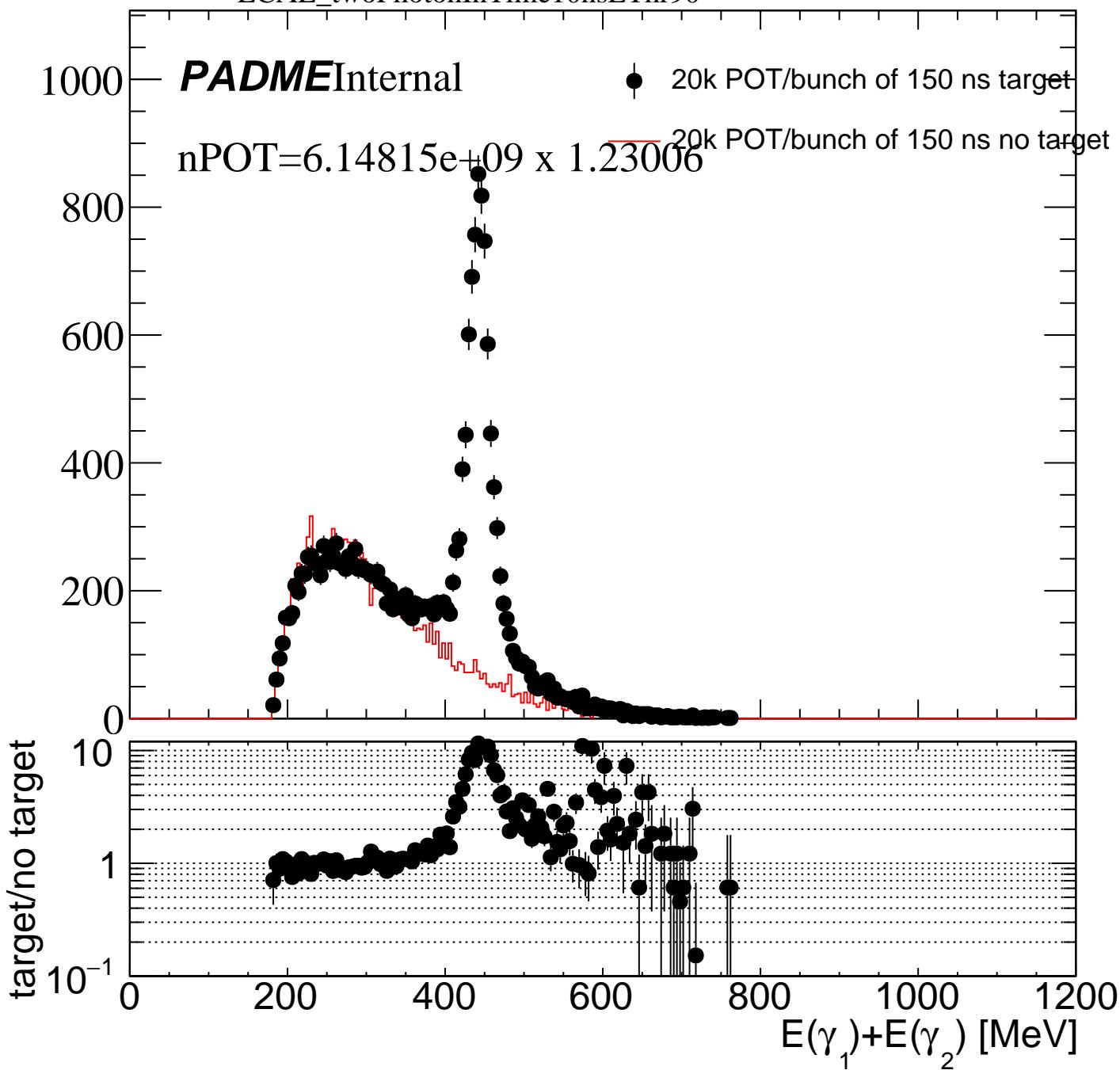
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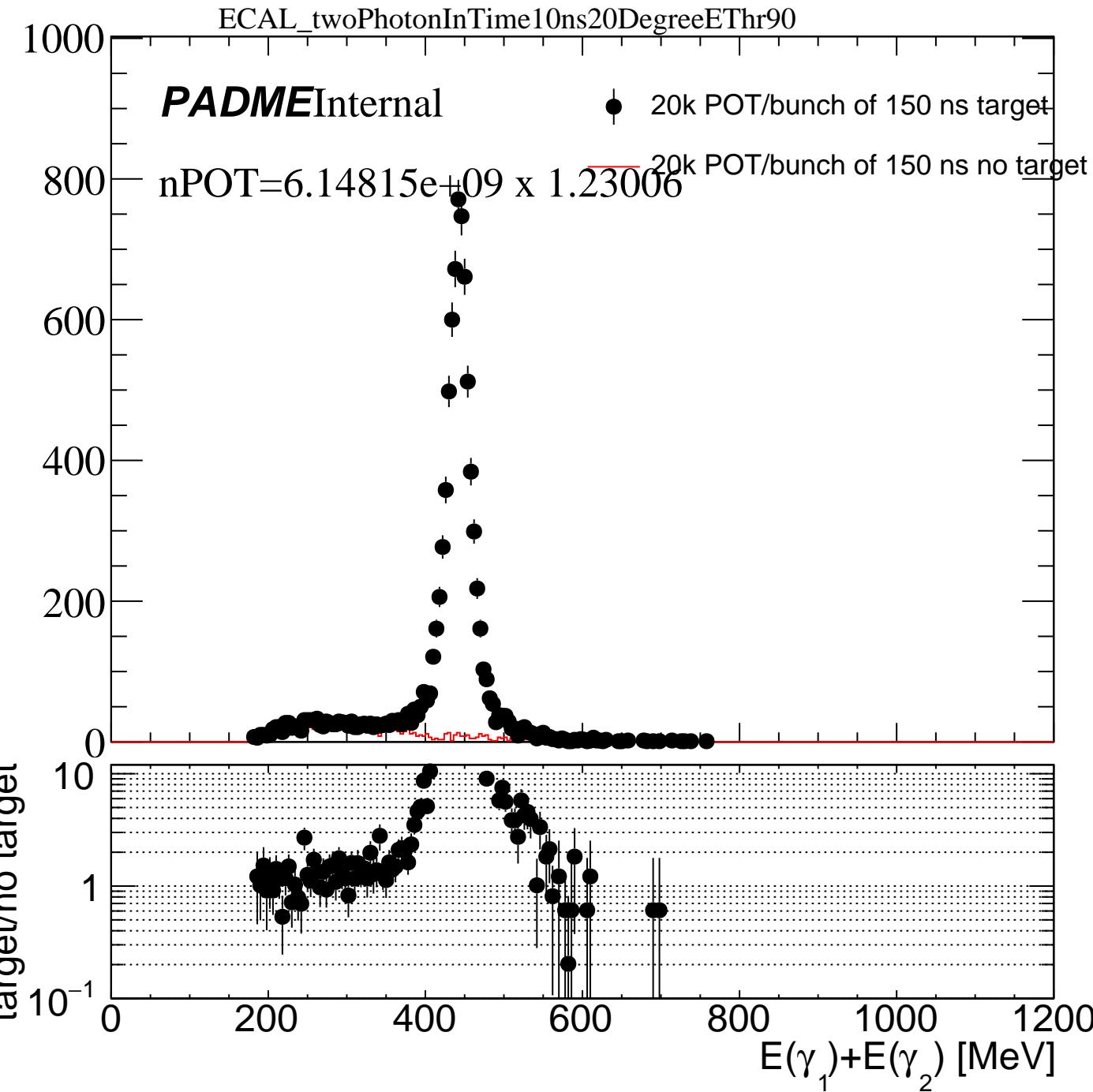


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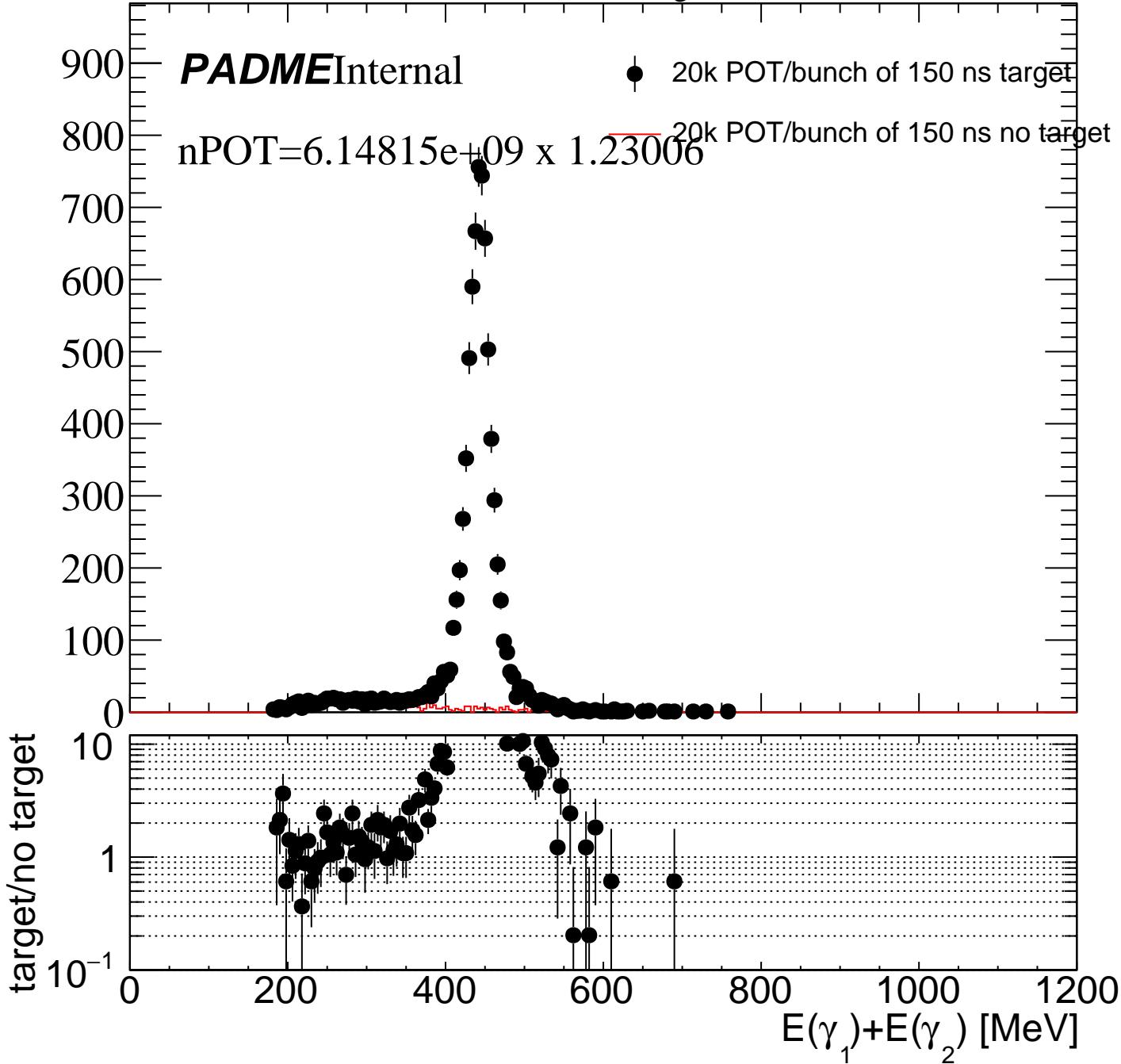


ECAL_twoPhotonInTime10nsEThr90

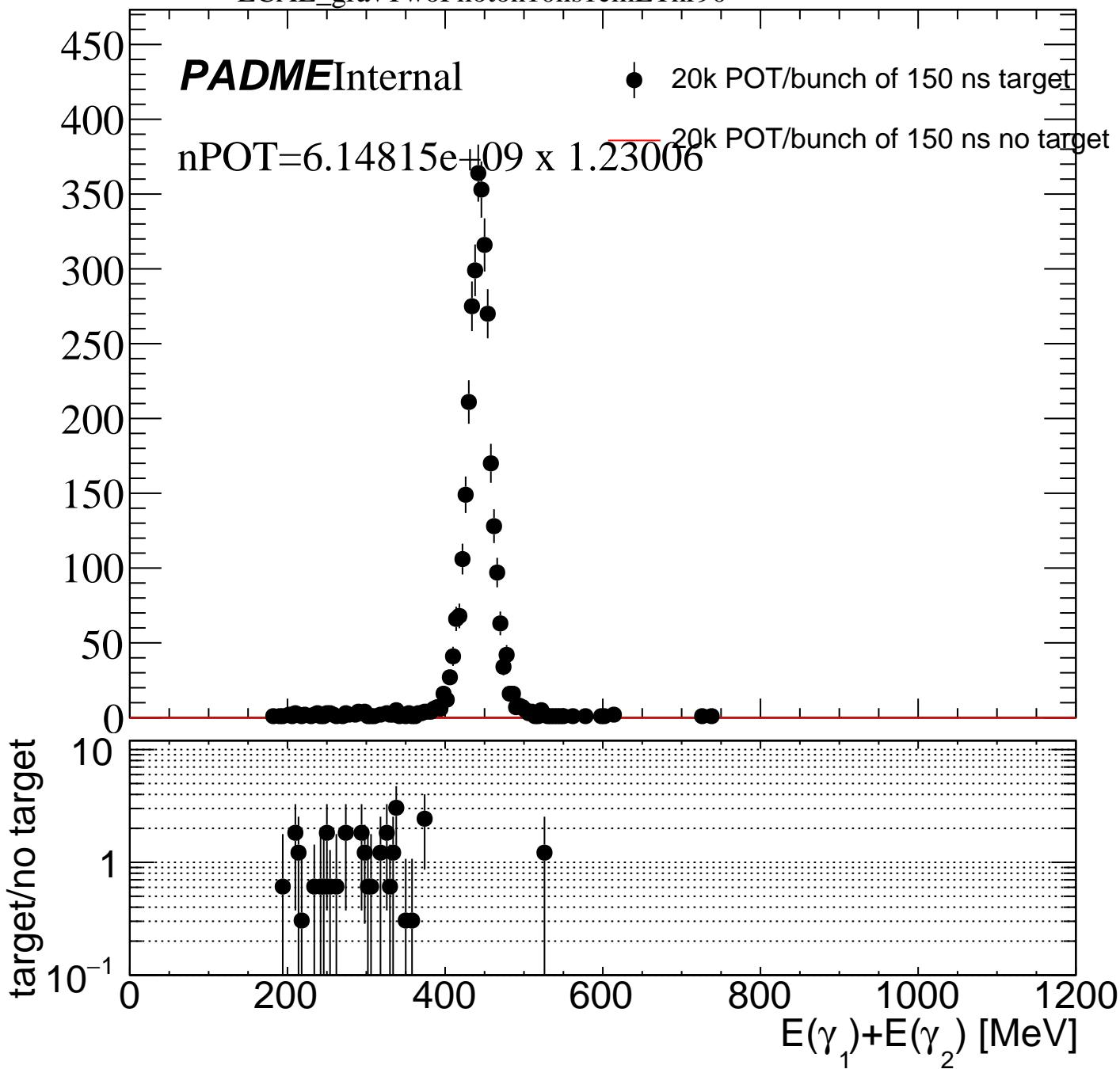




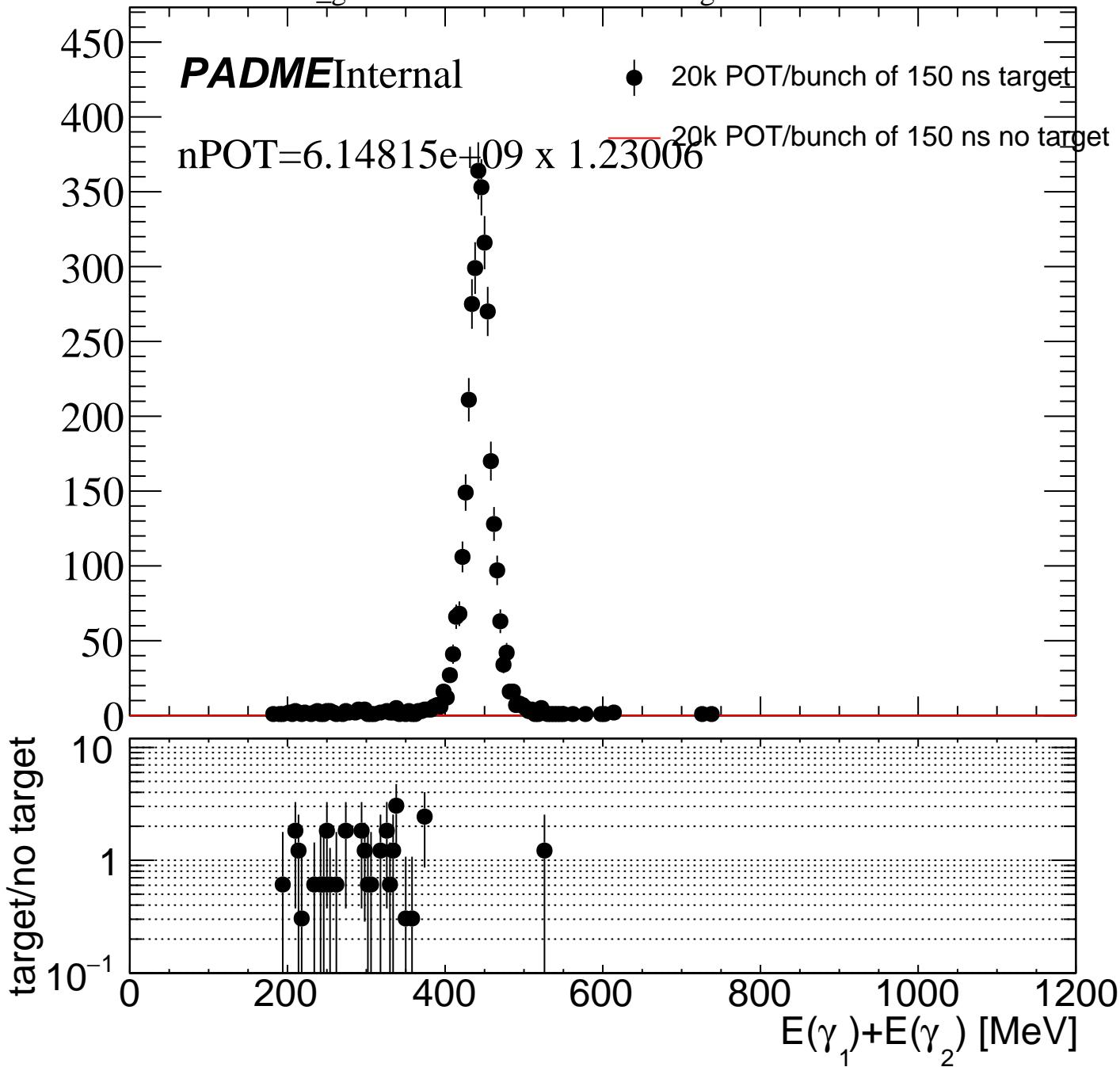
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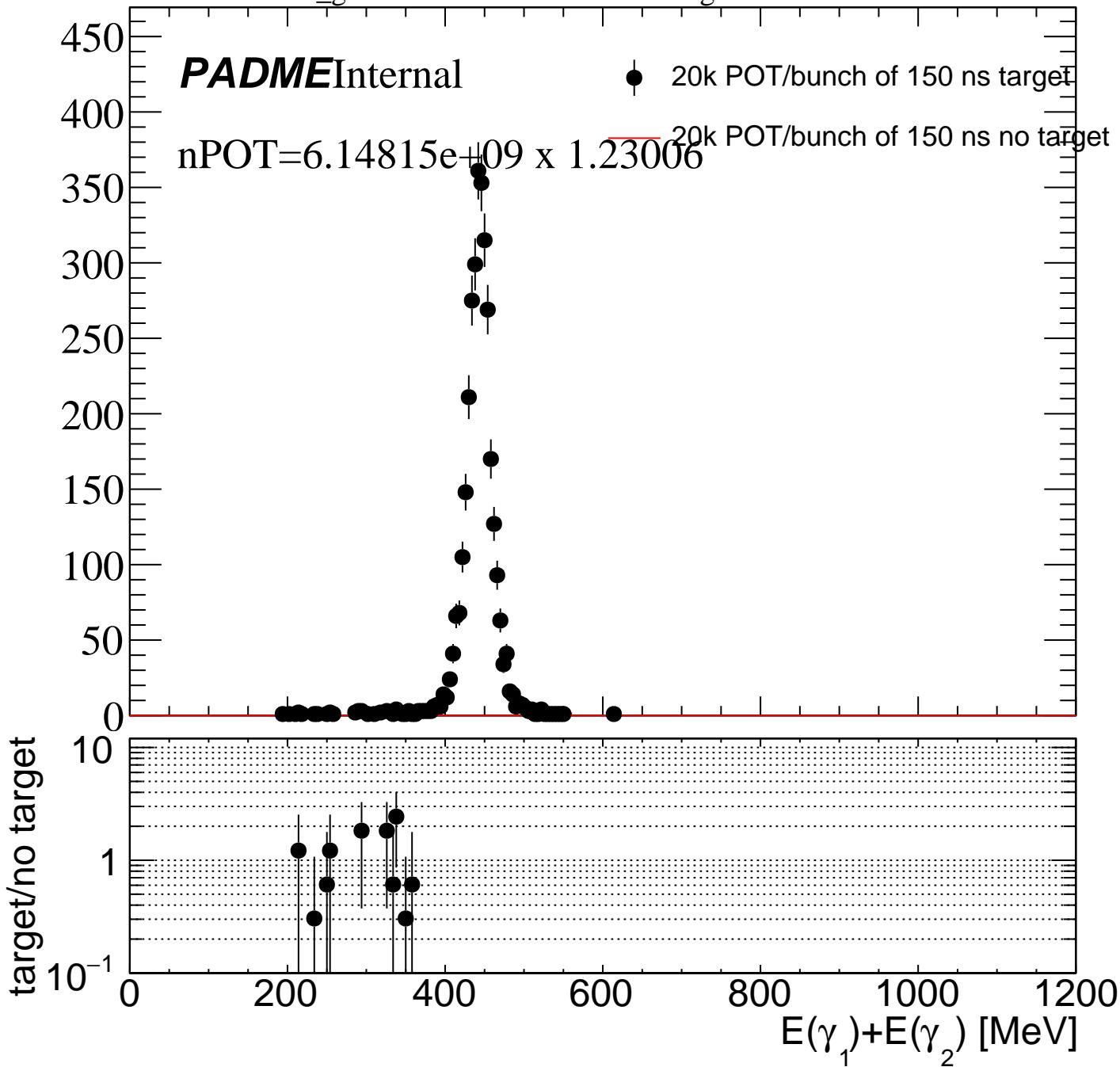
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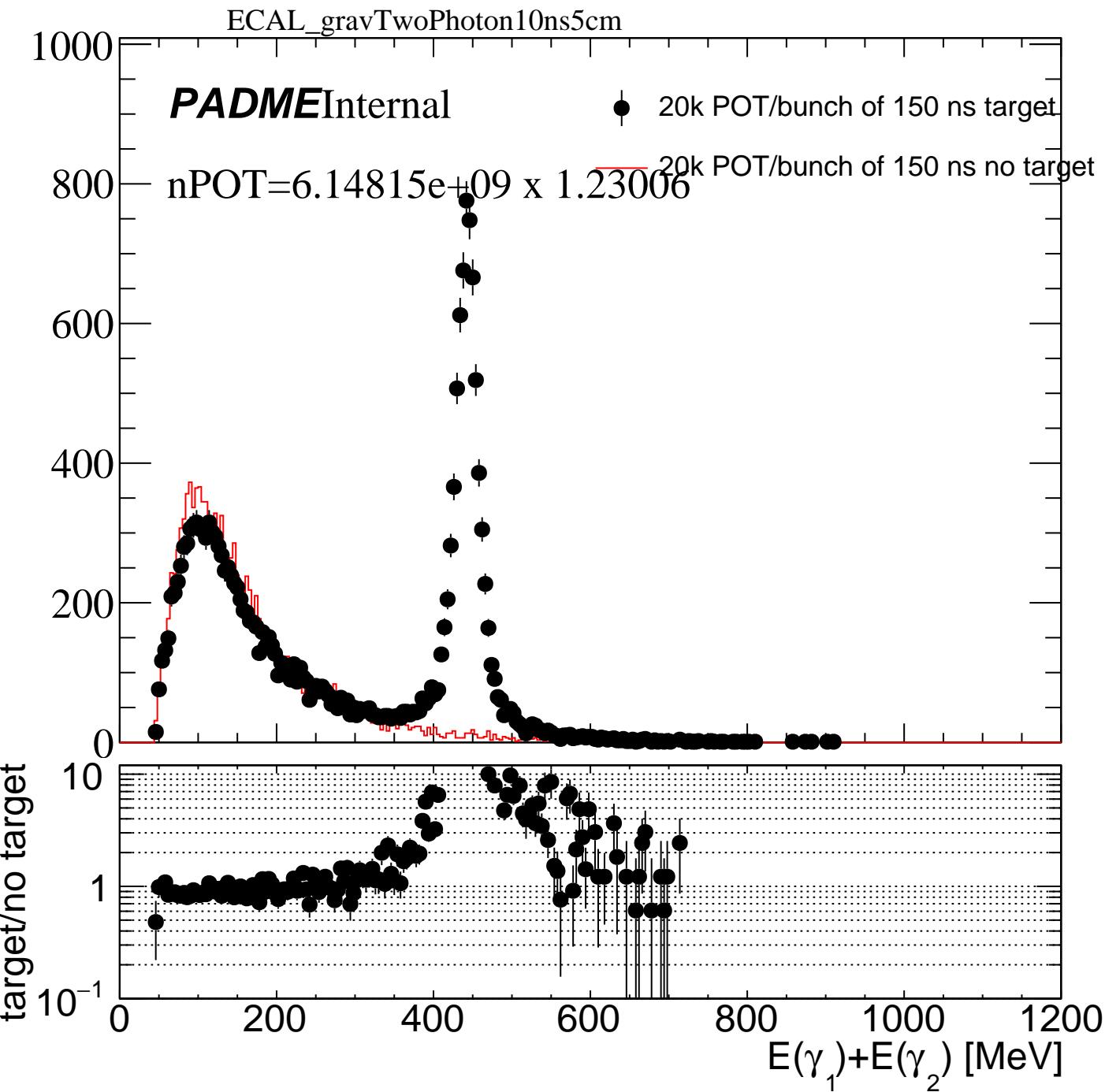


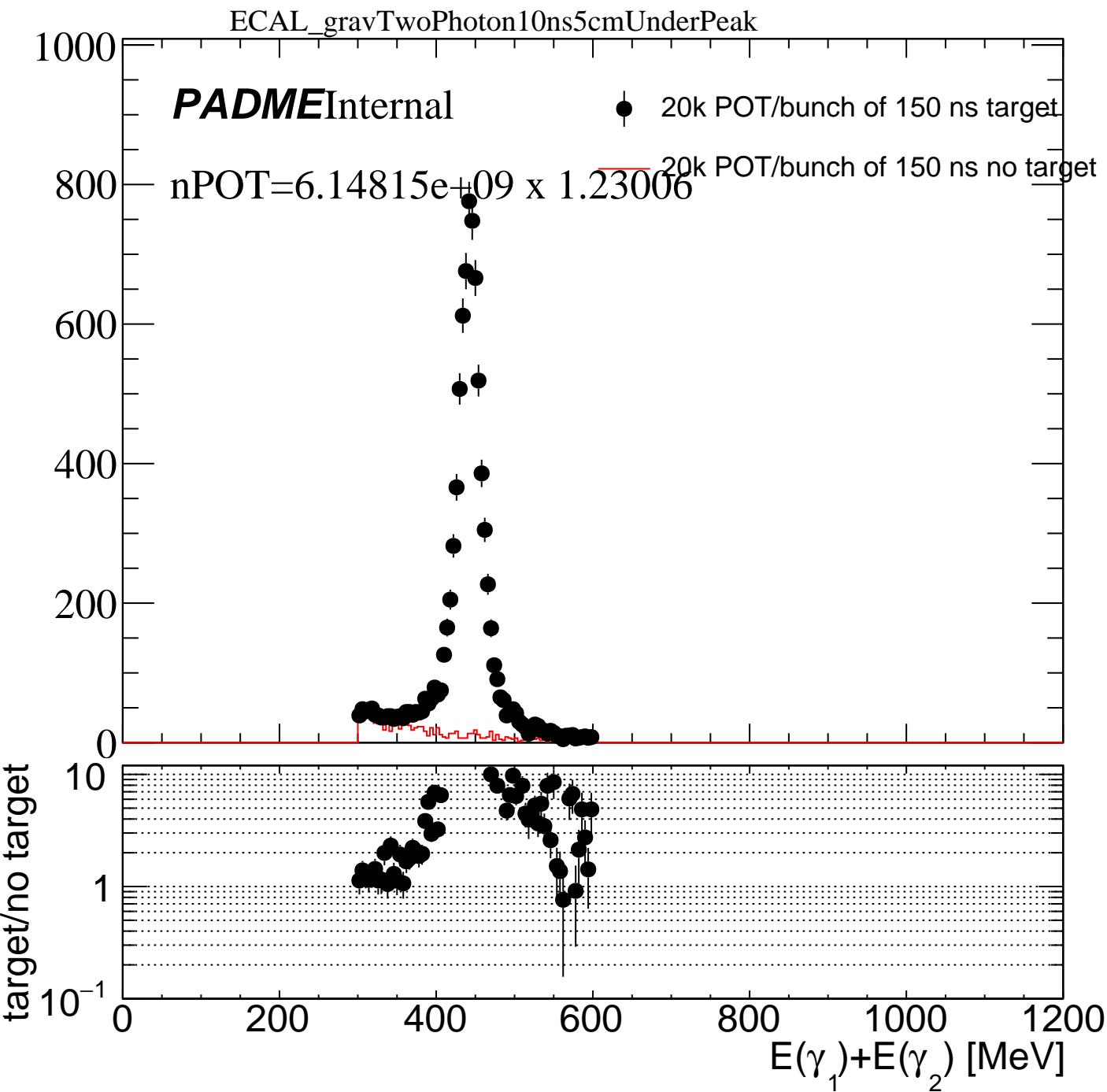
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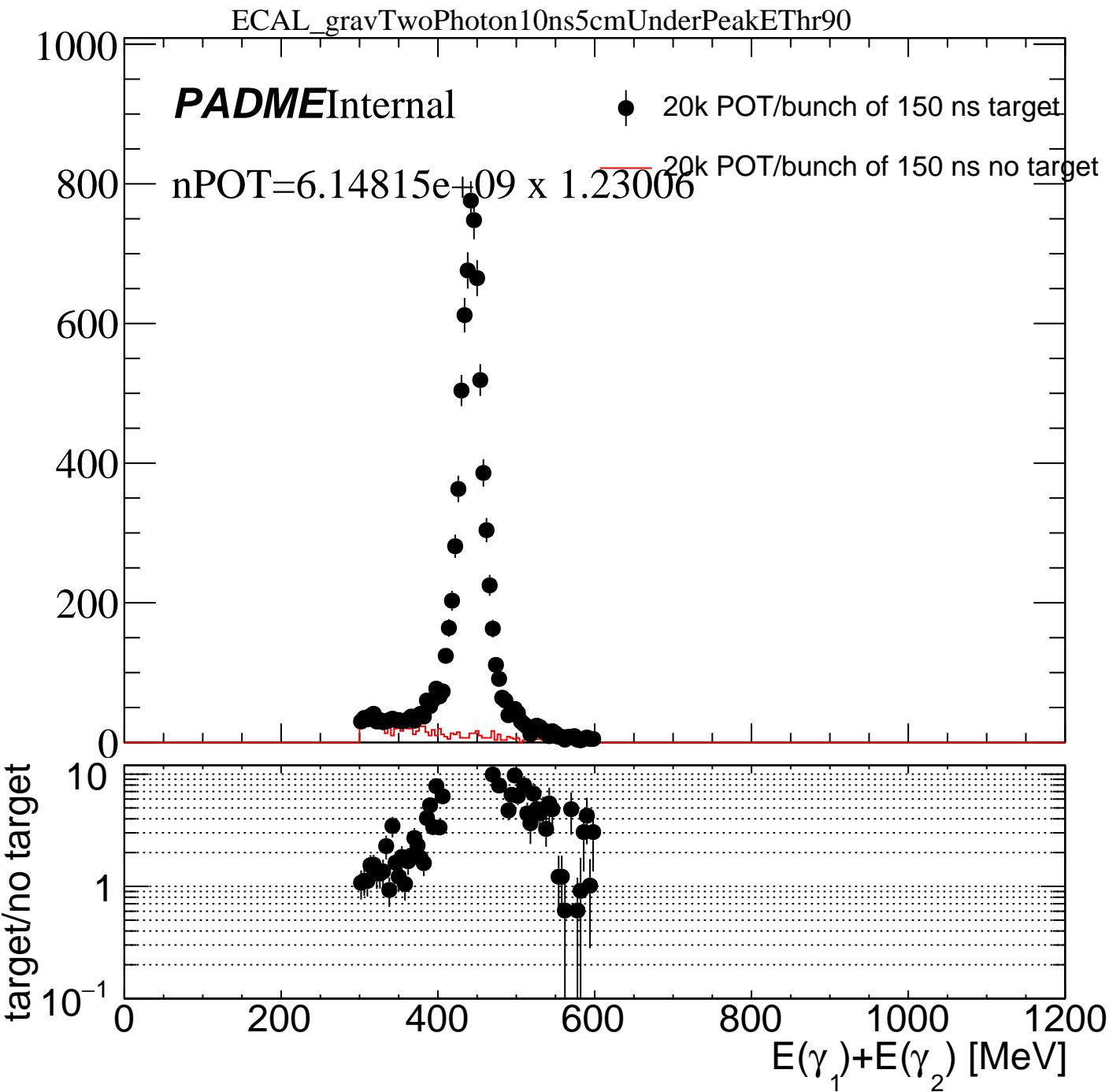


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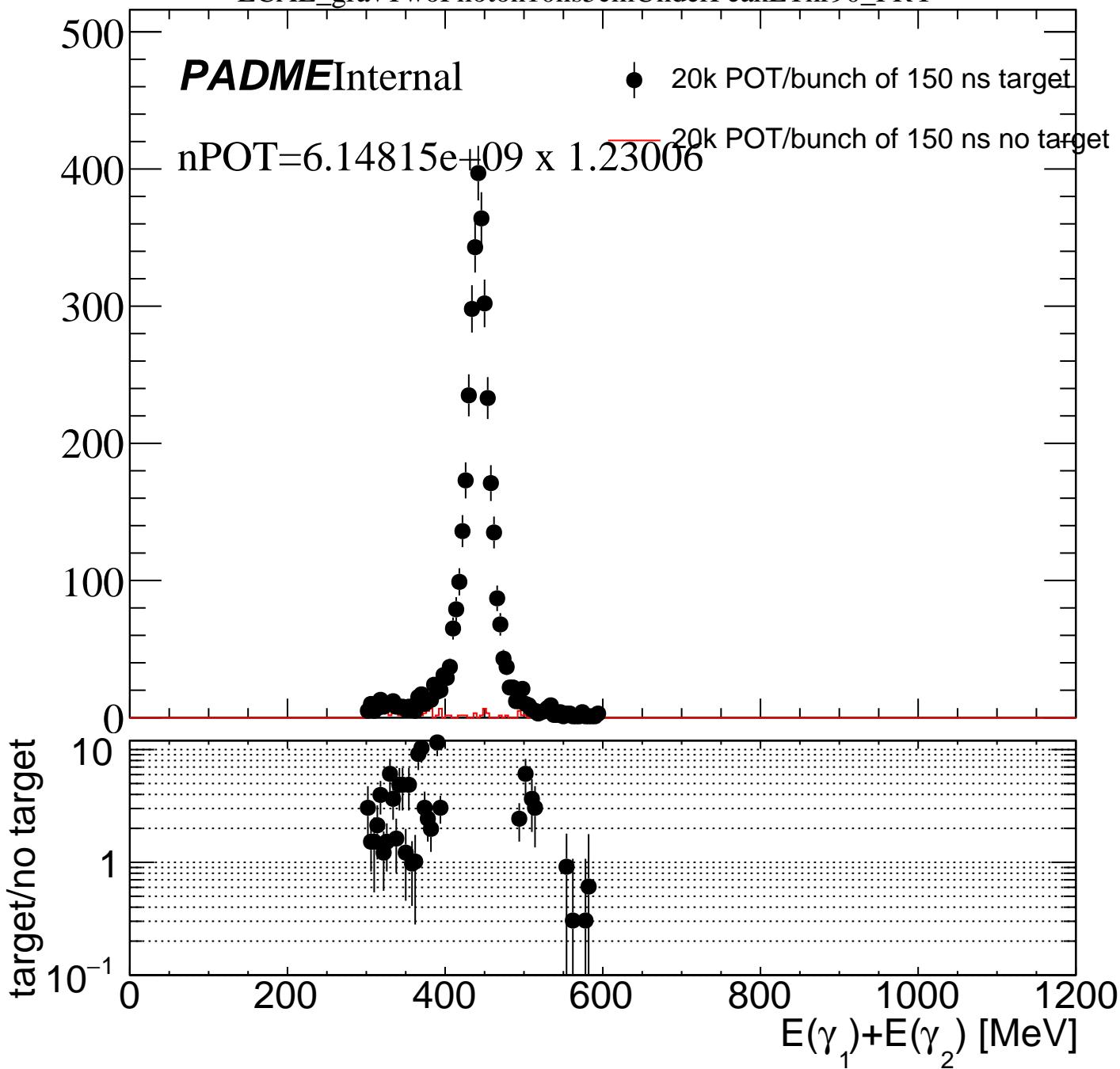


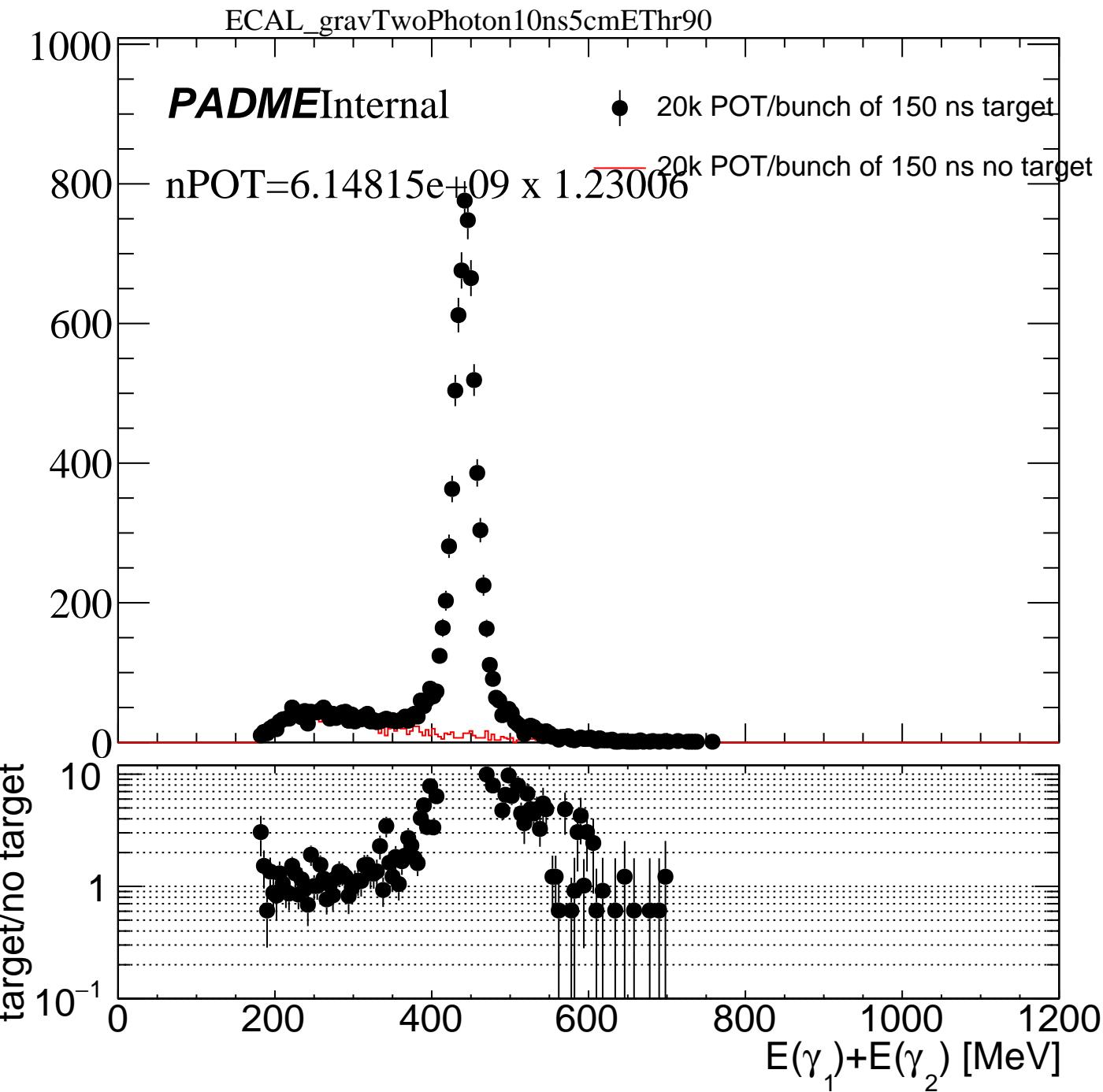




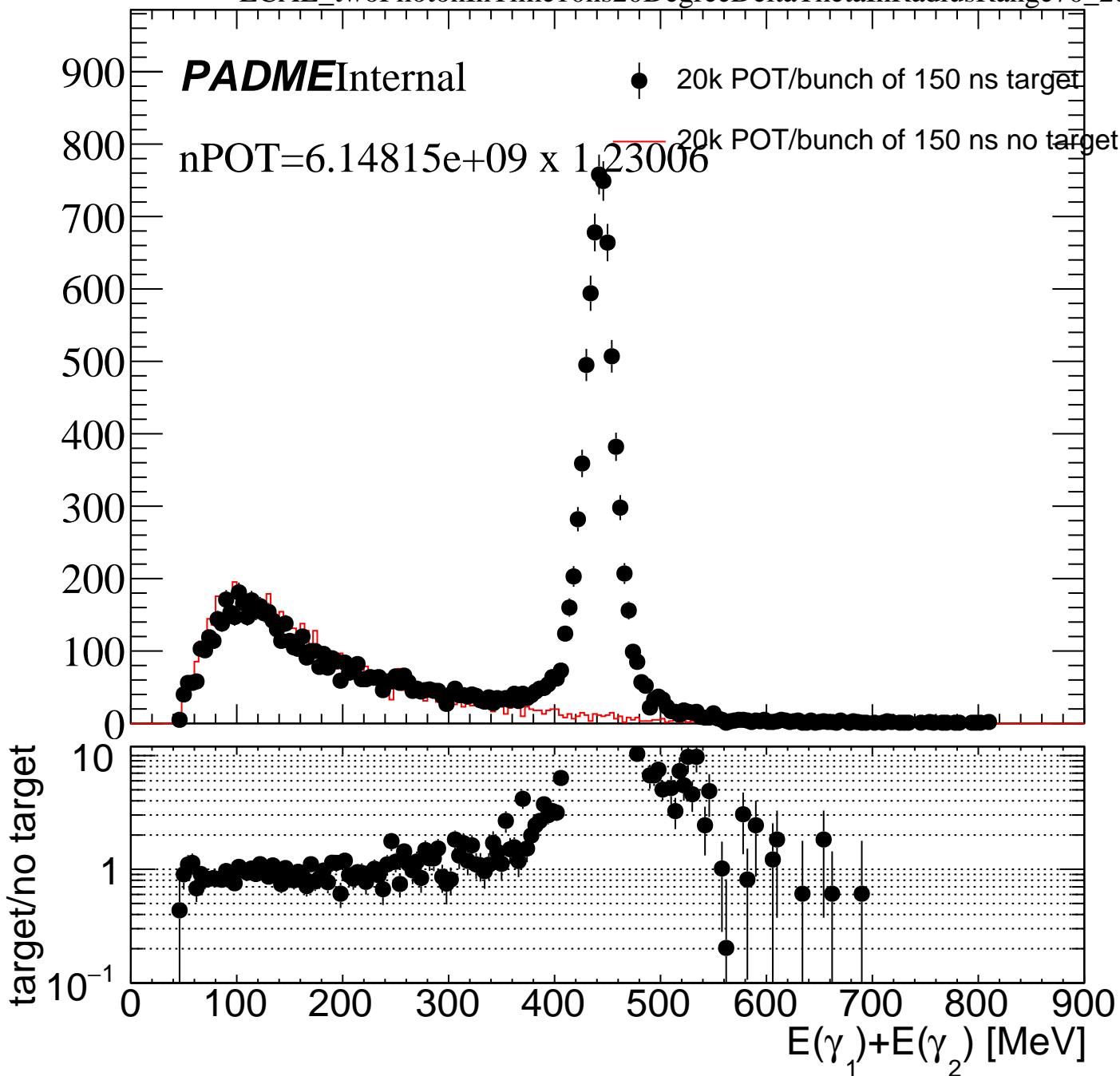


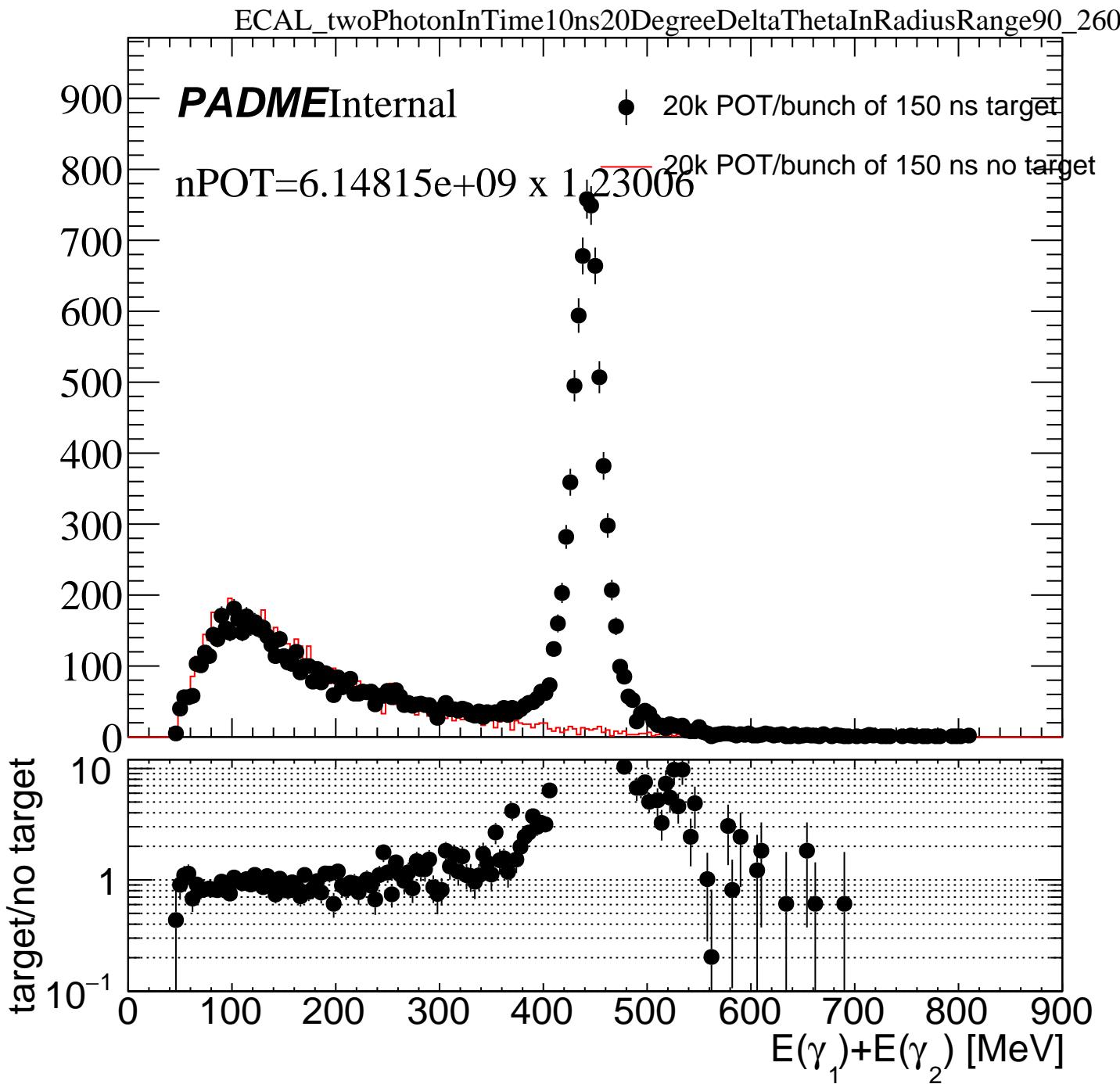
ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90_FRY

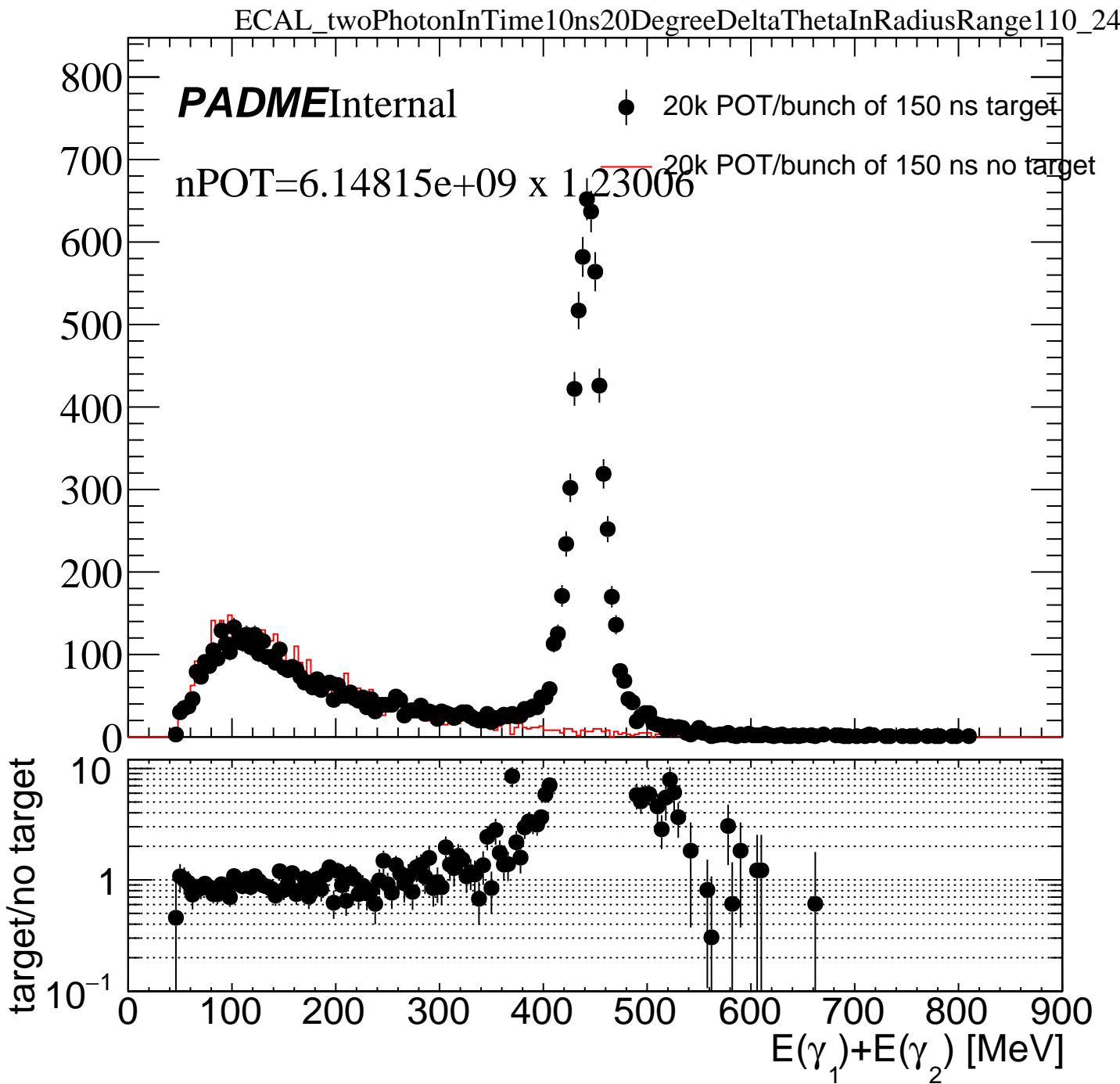




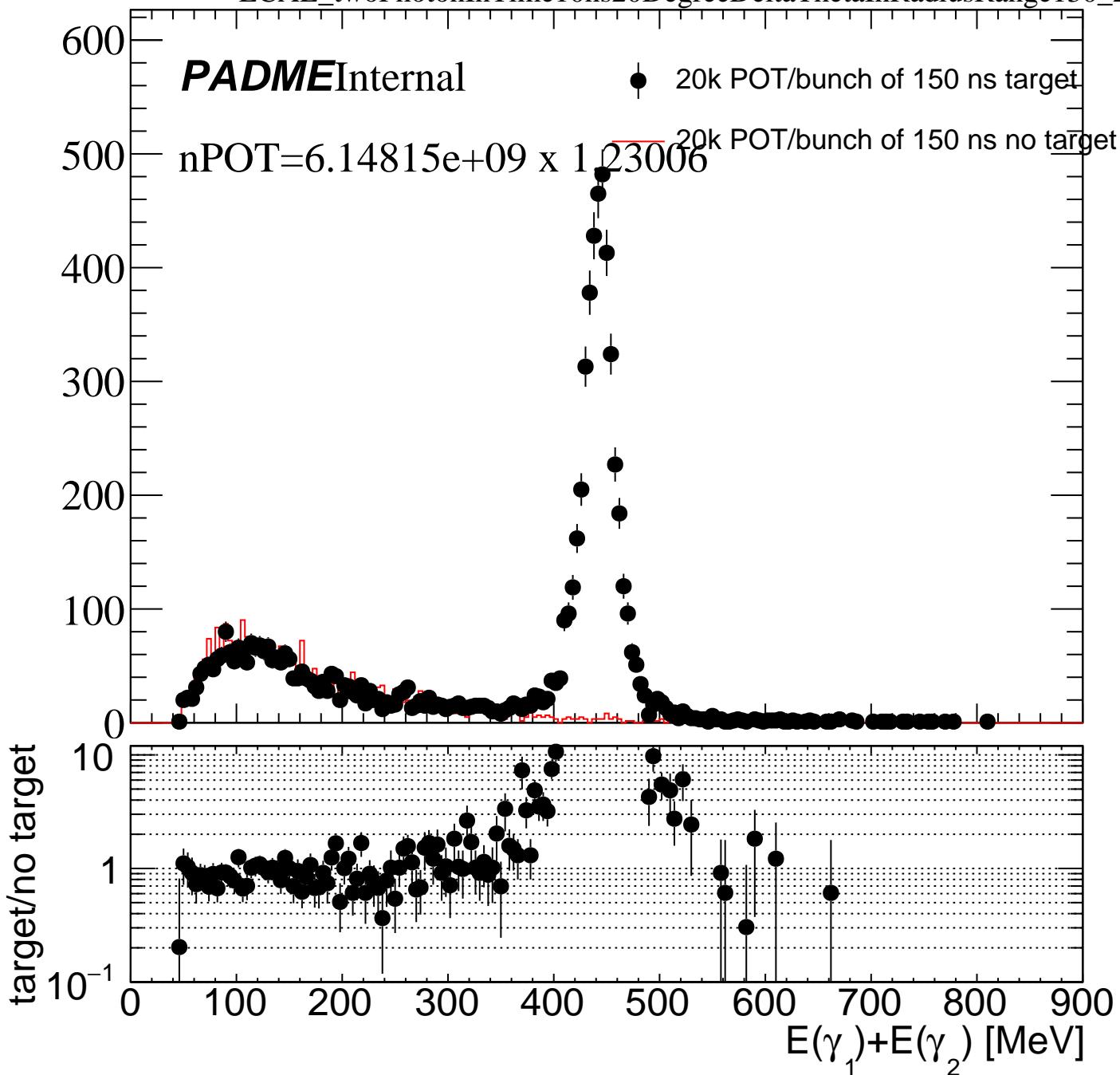
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280

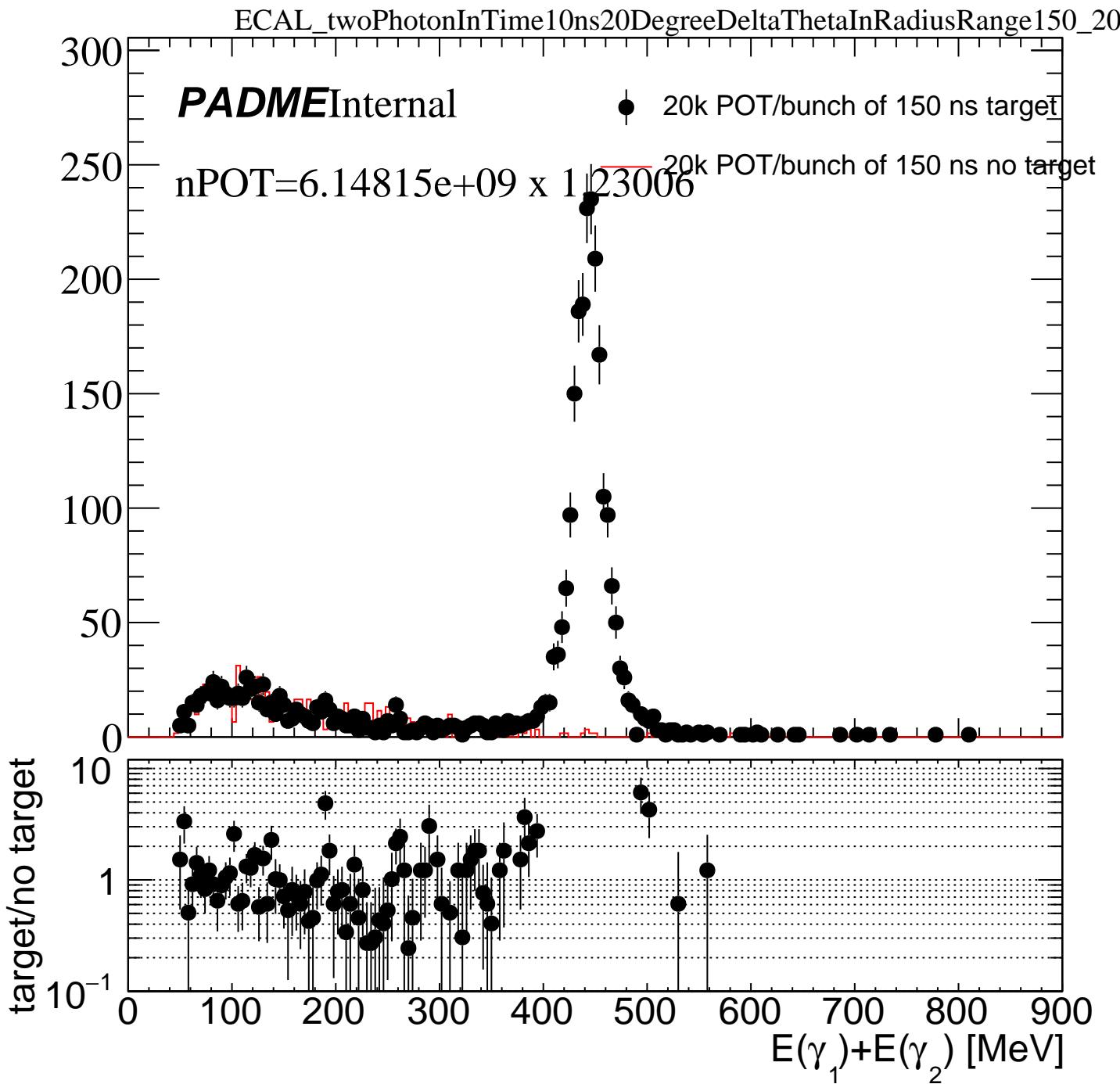


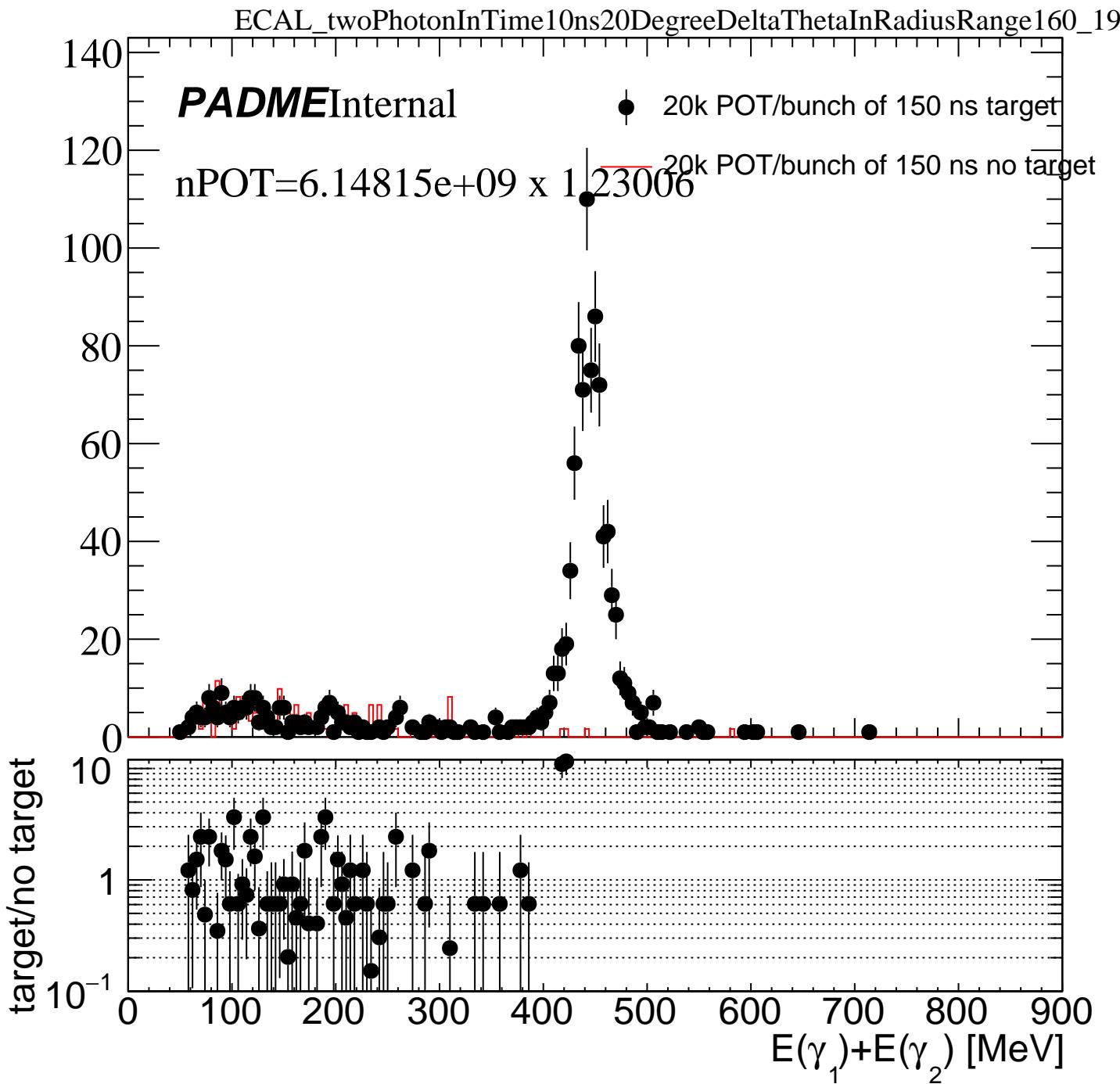




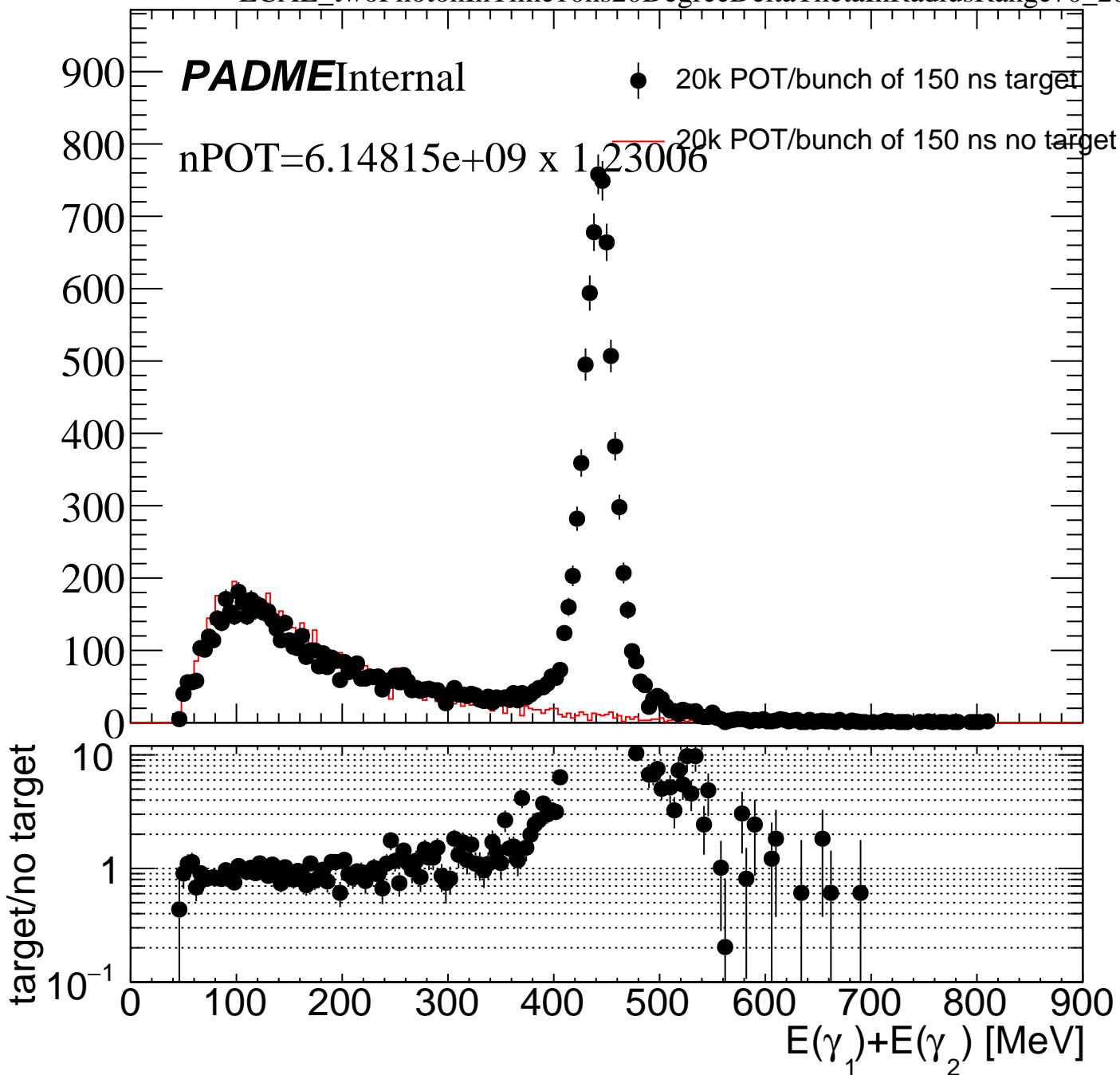
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22

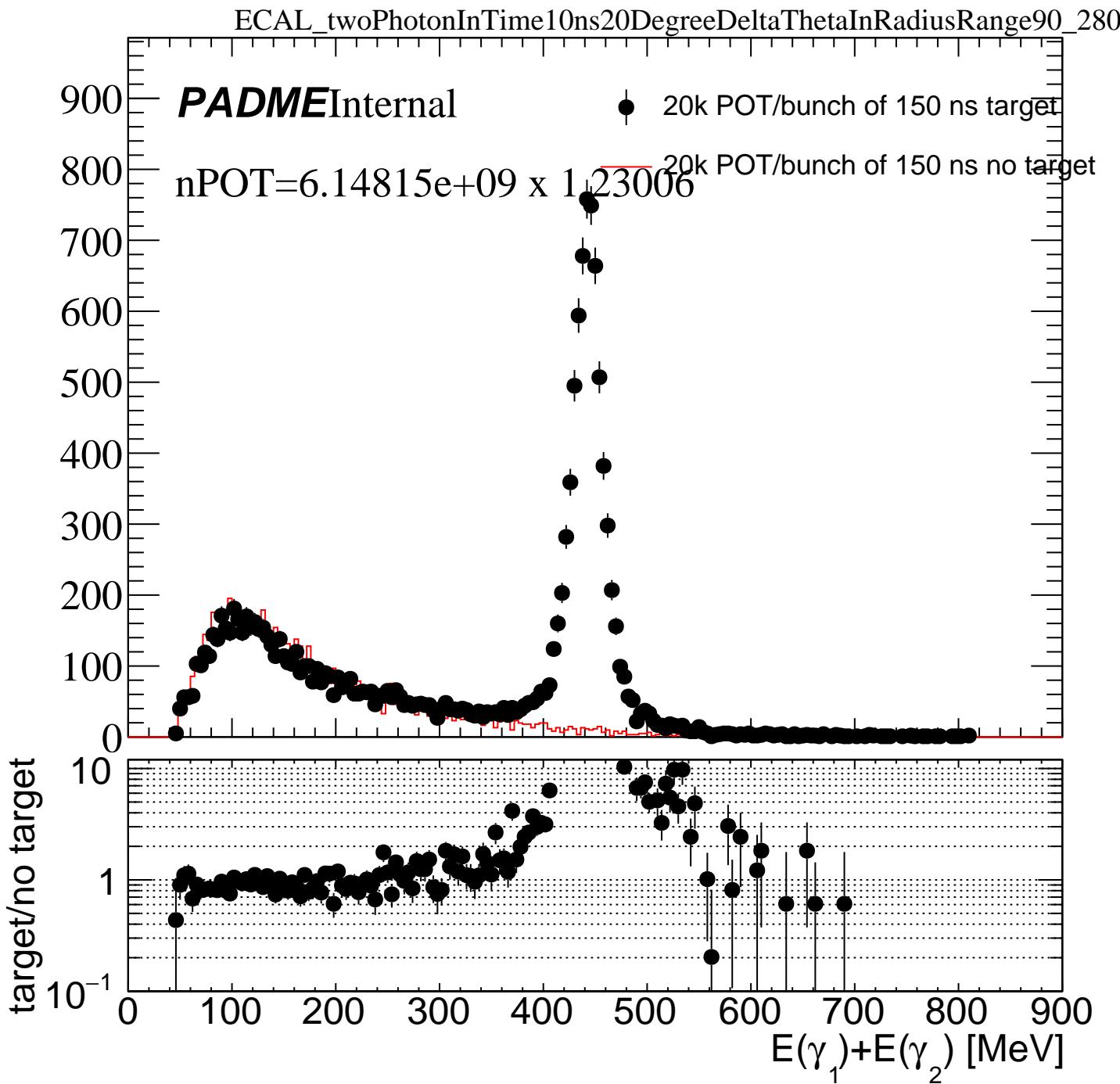




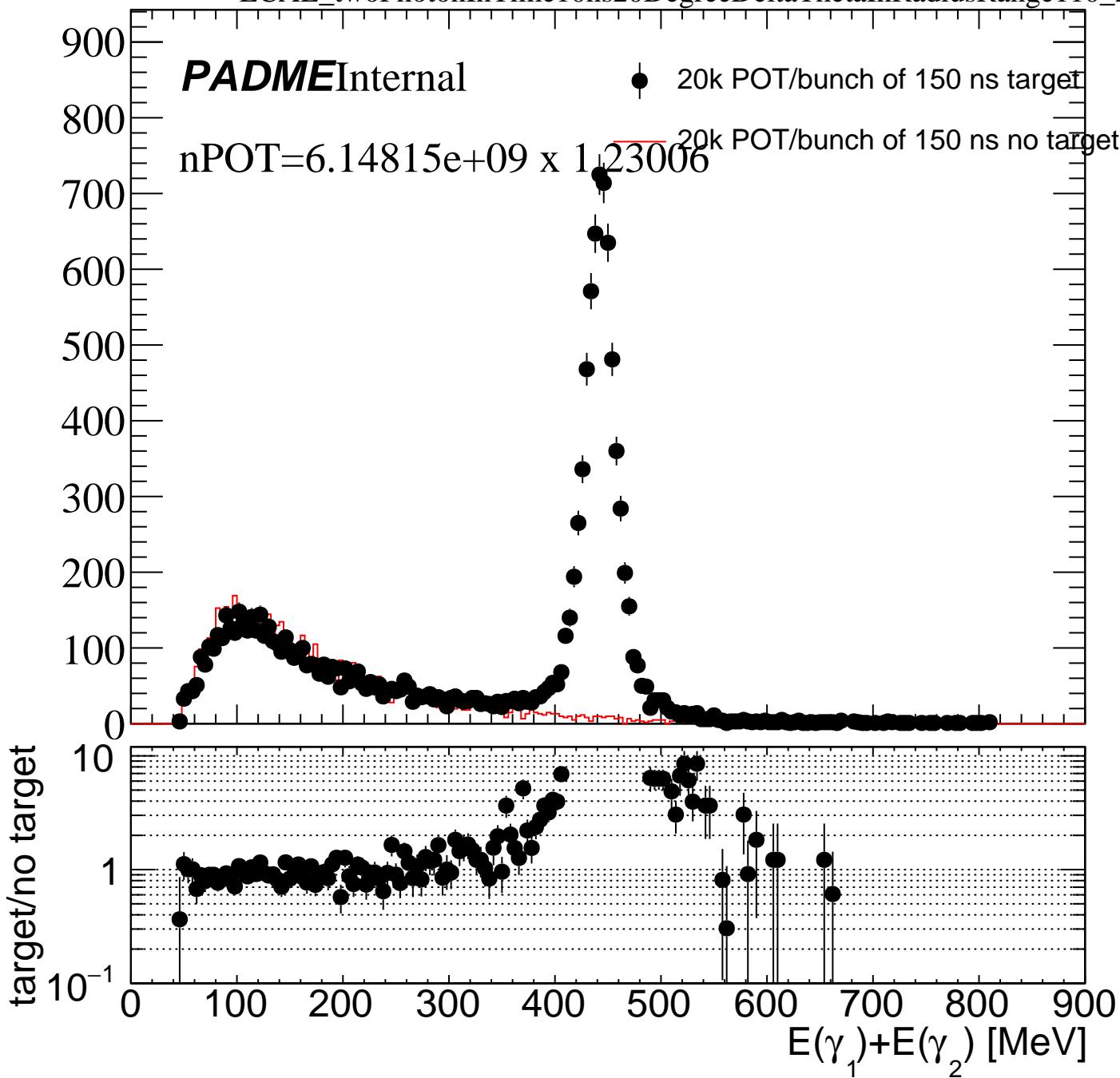


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280

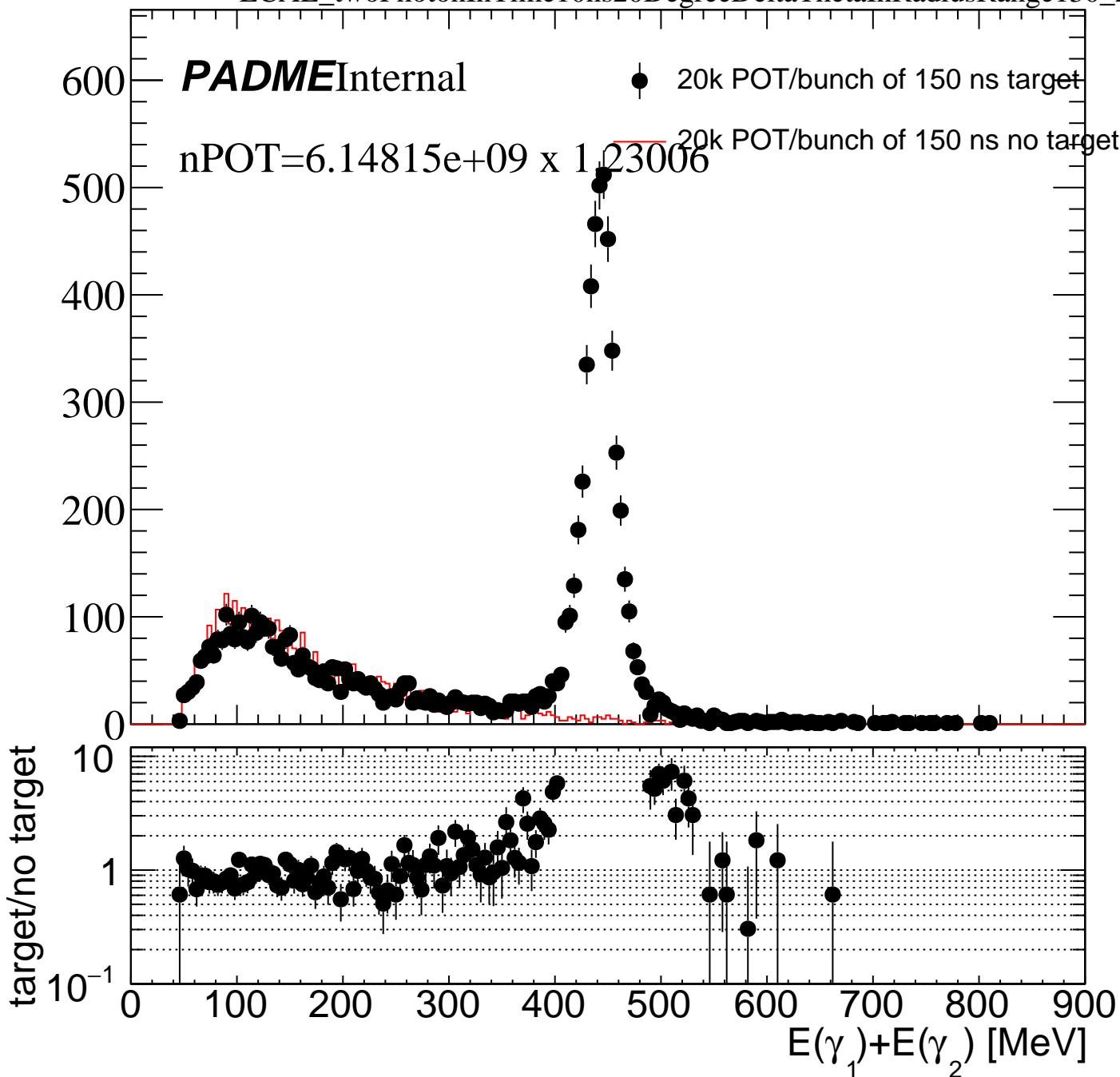


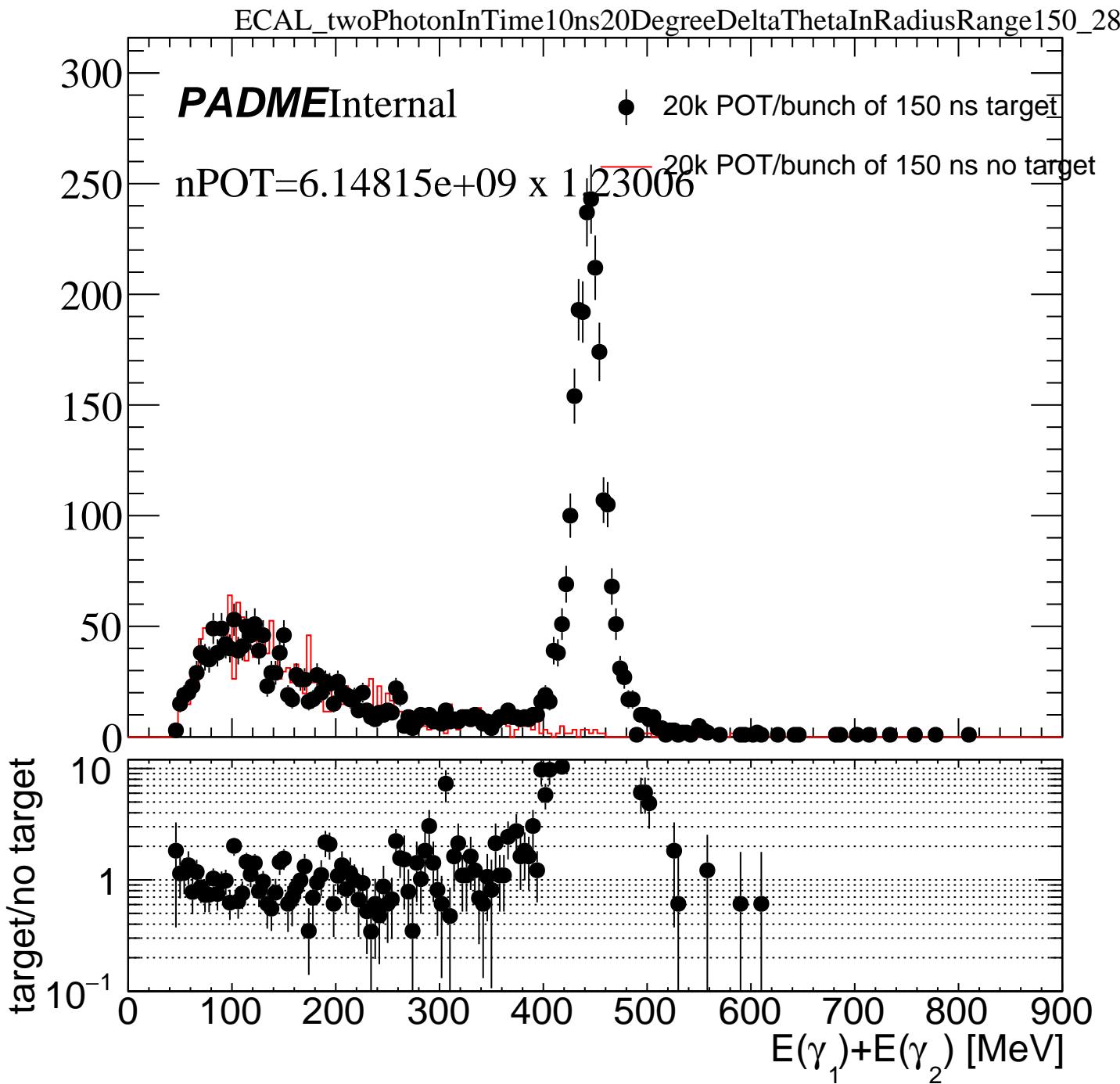


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28

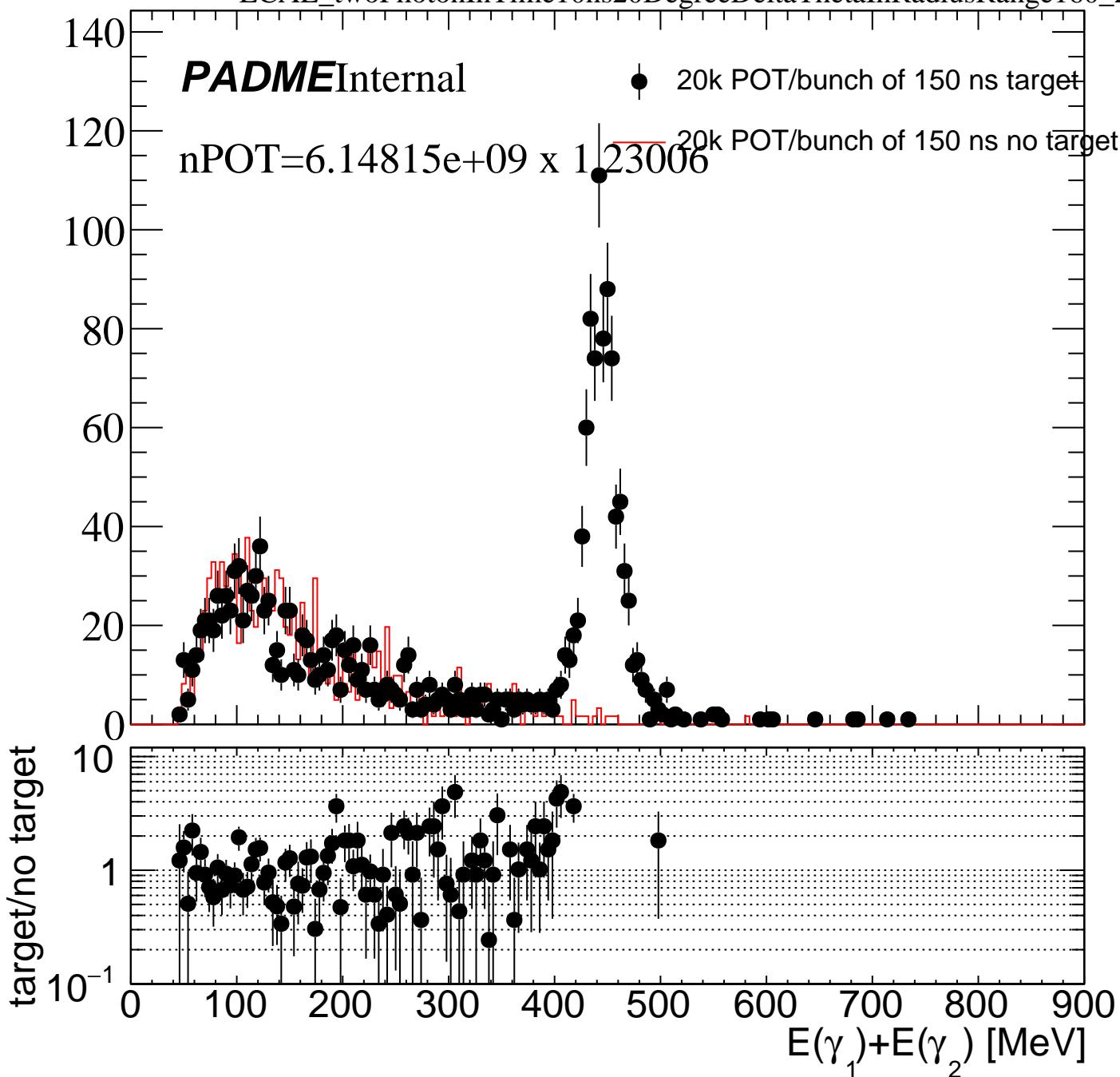


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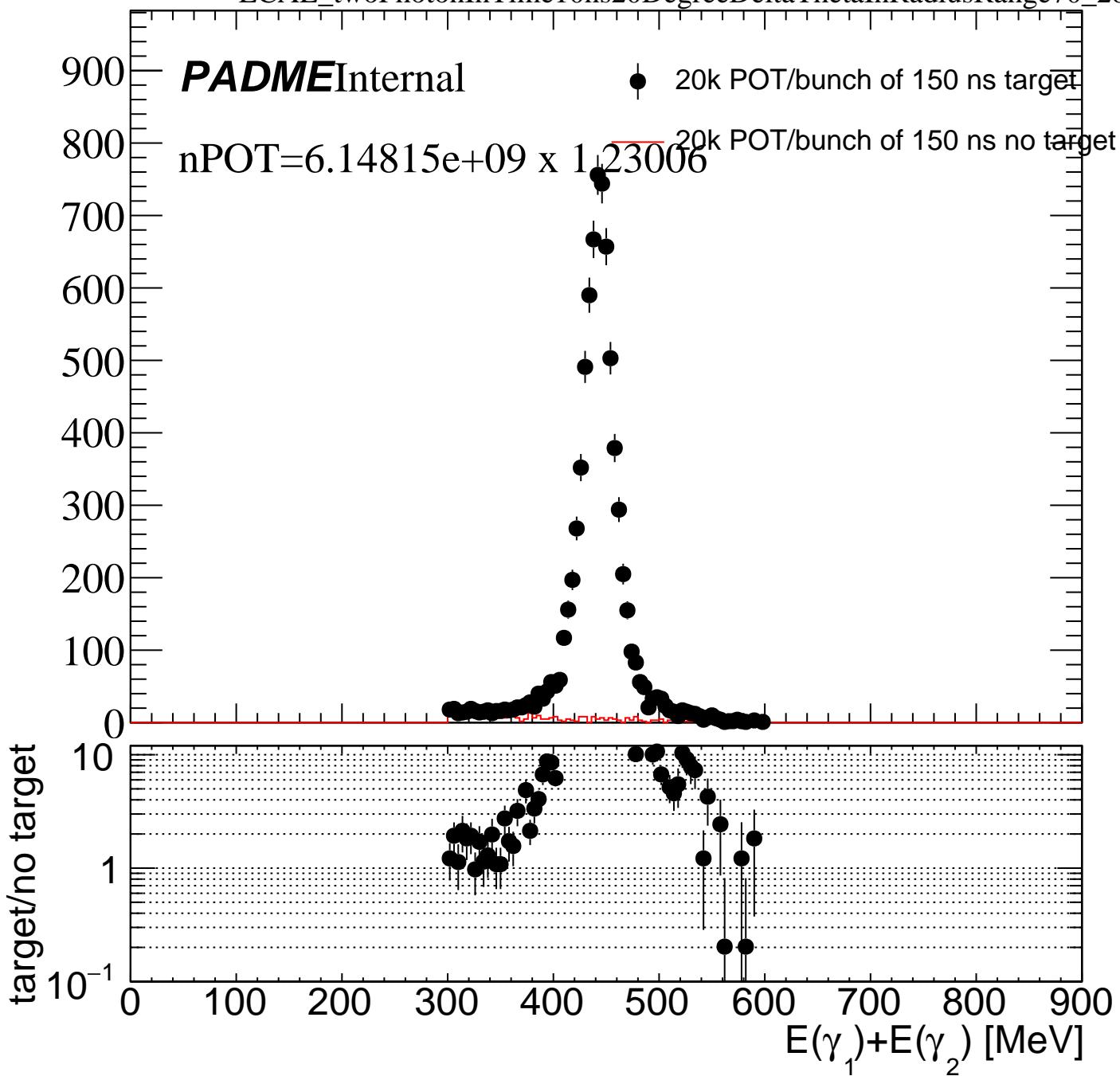




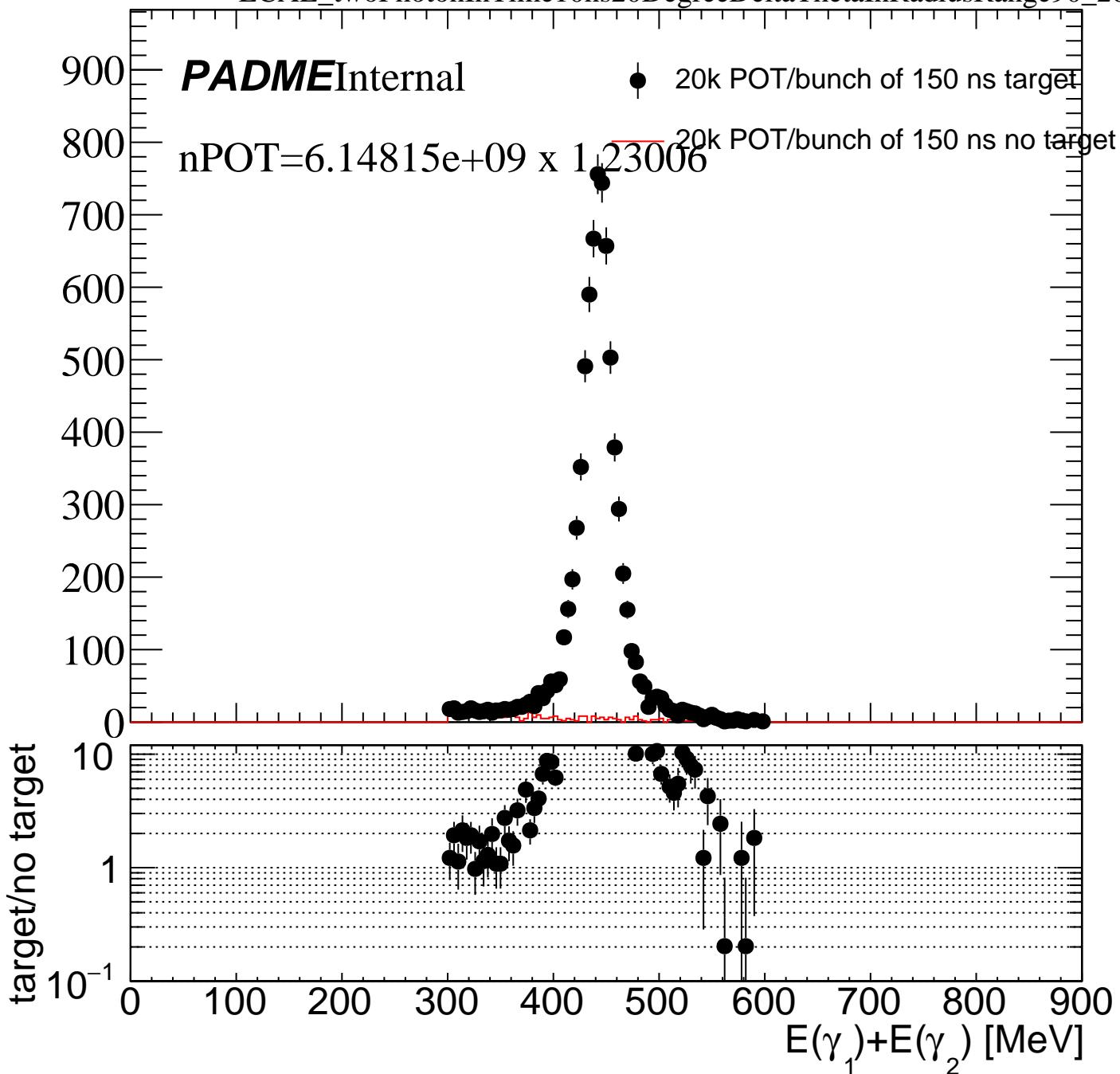
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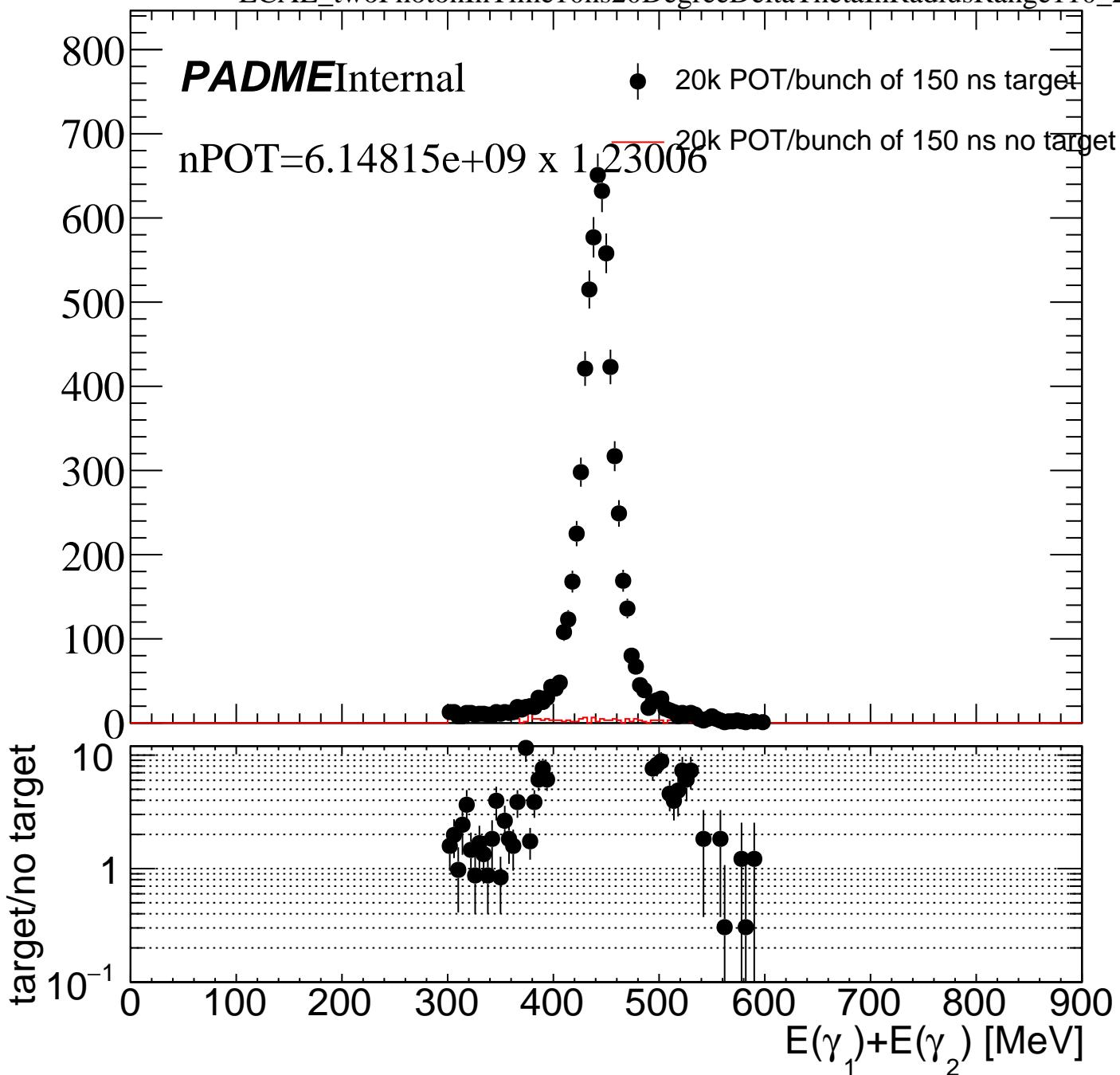
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280



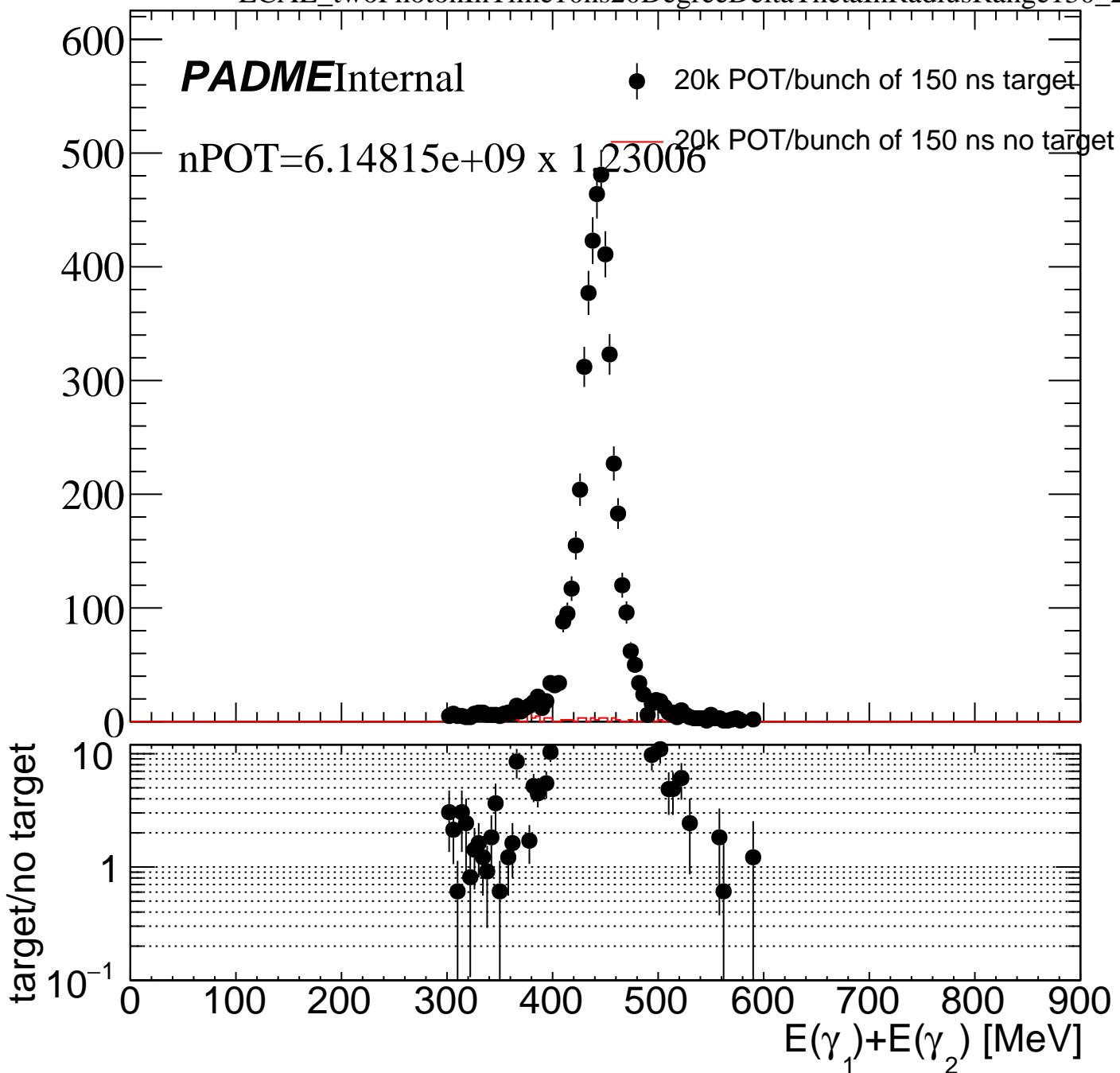
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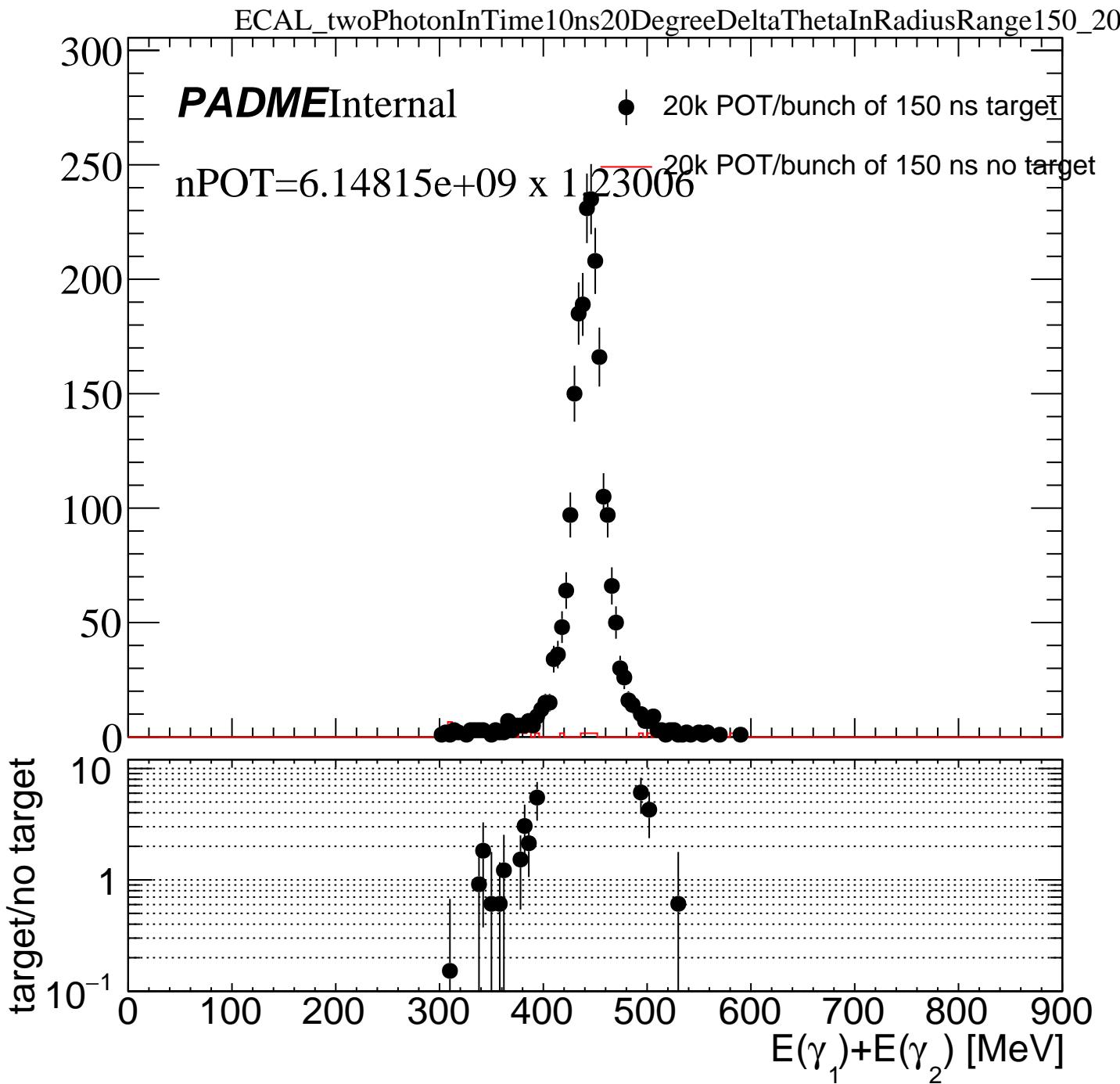


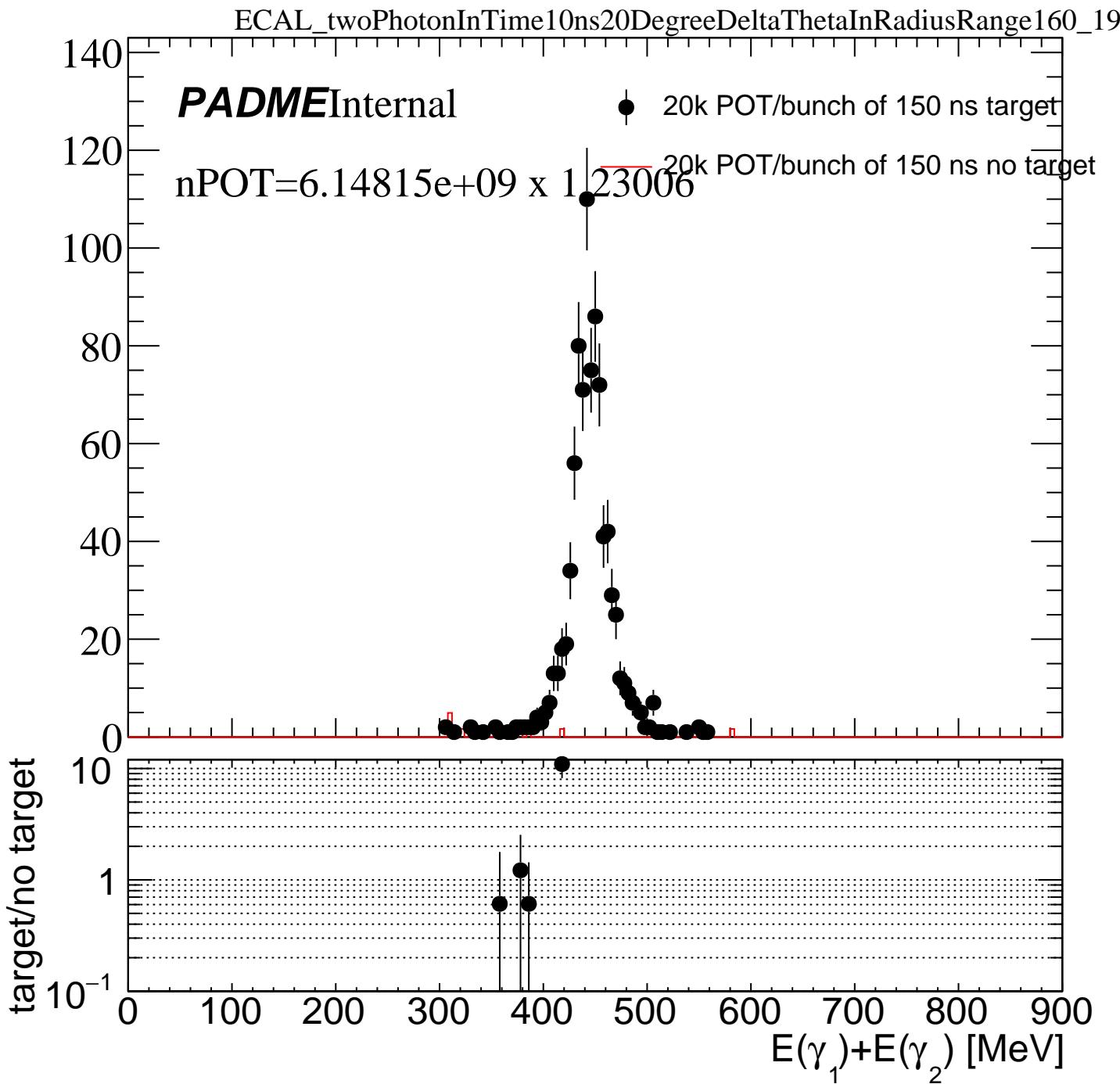
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24



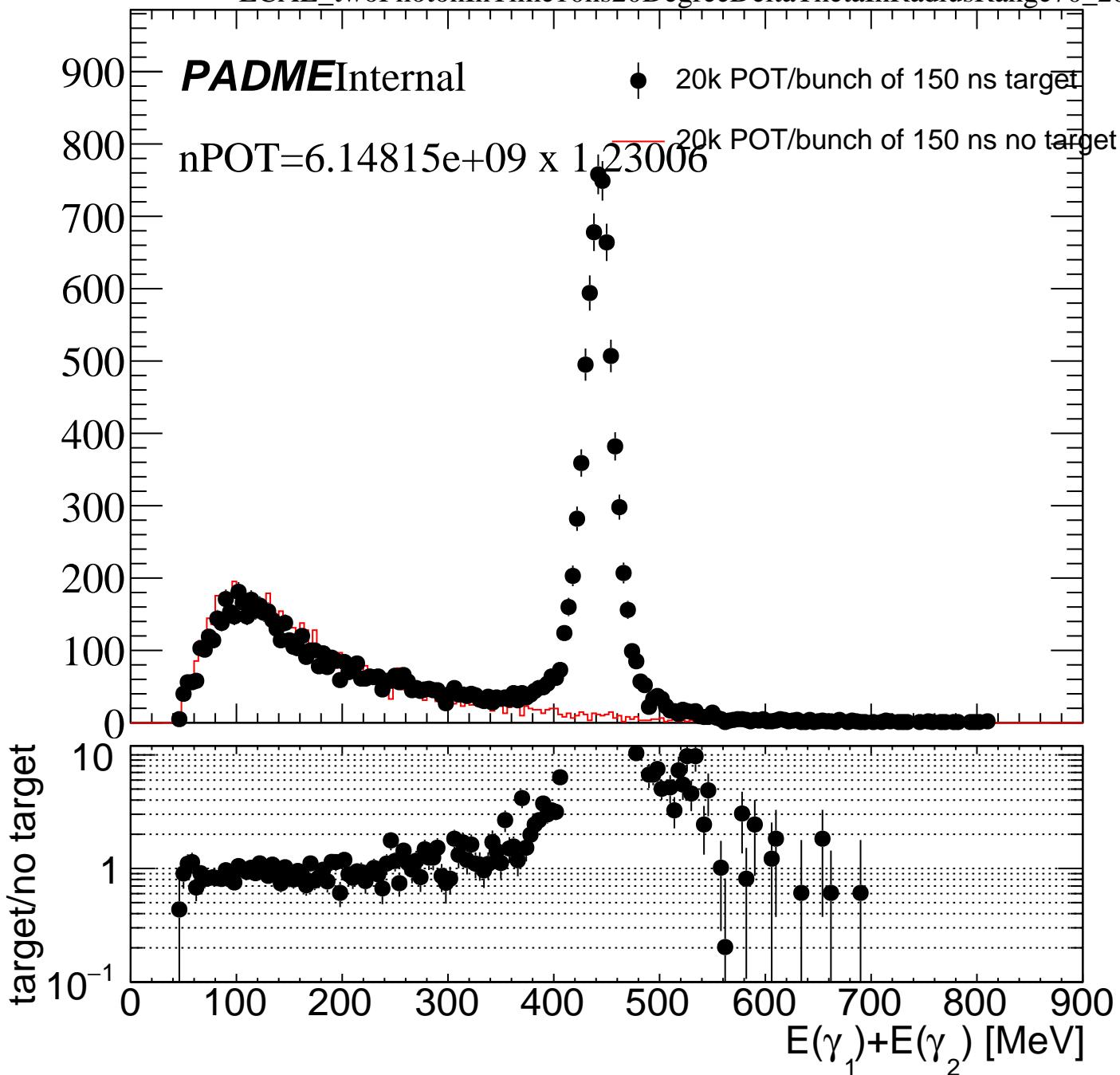
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22



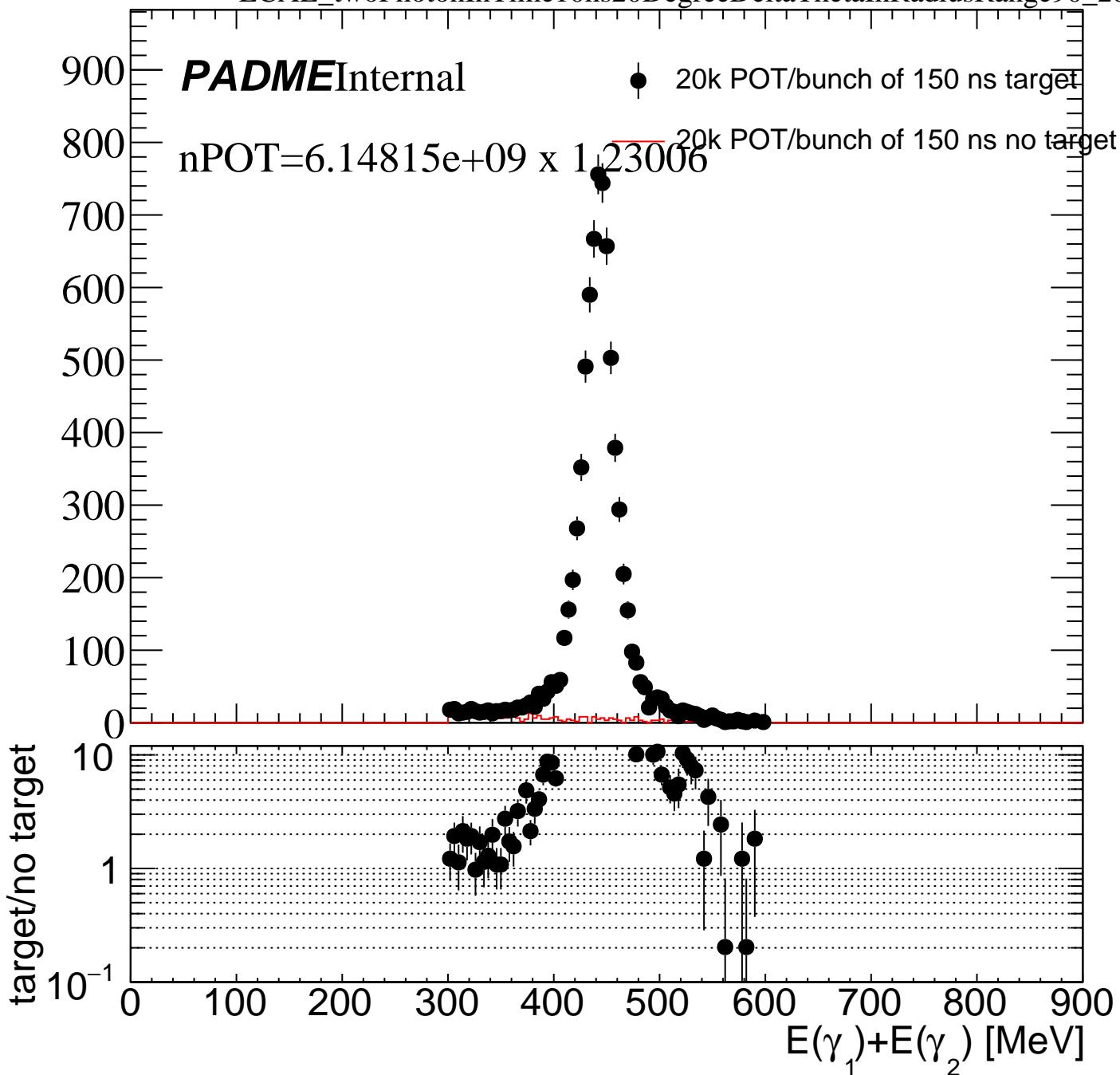




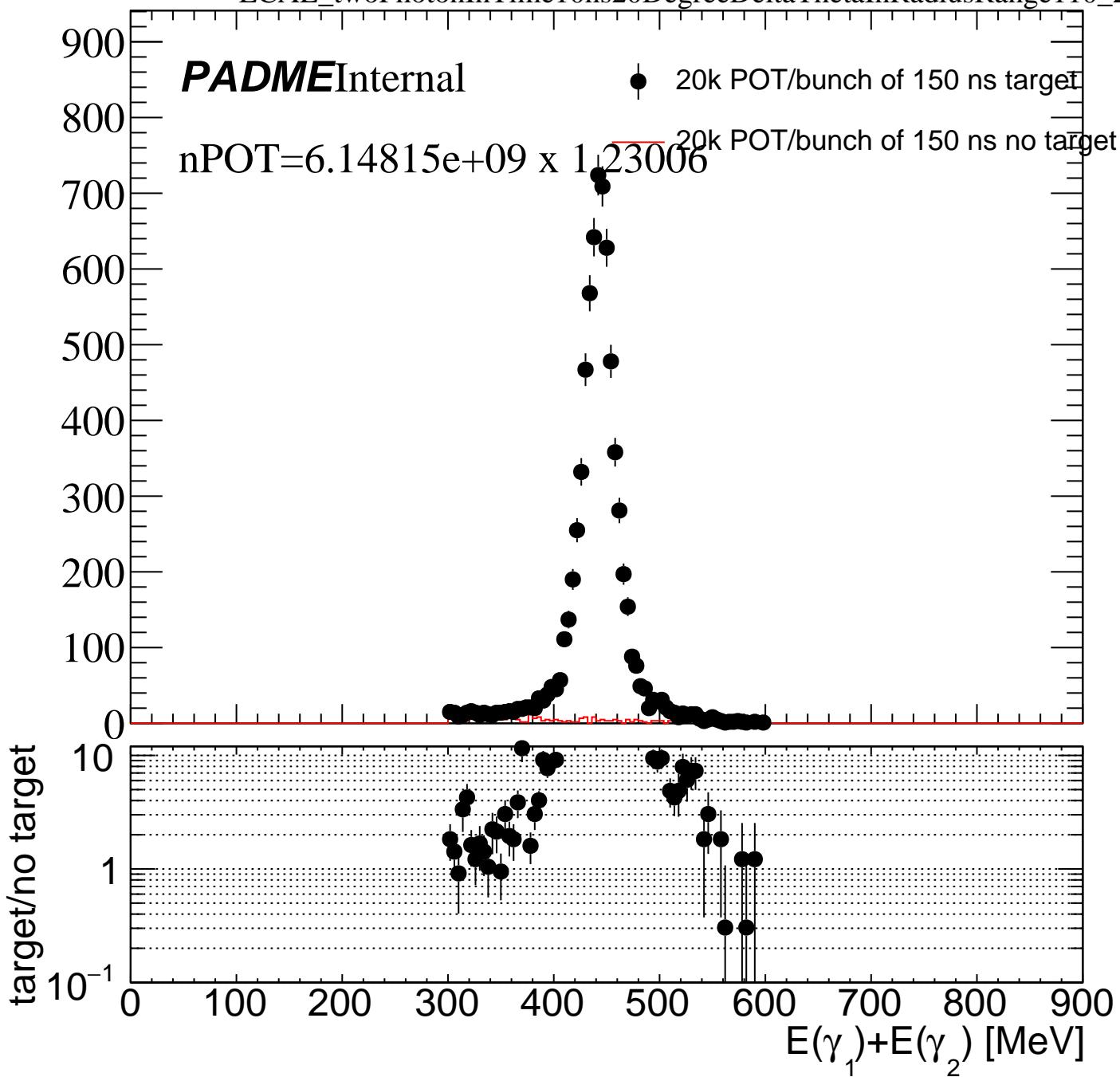
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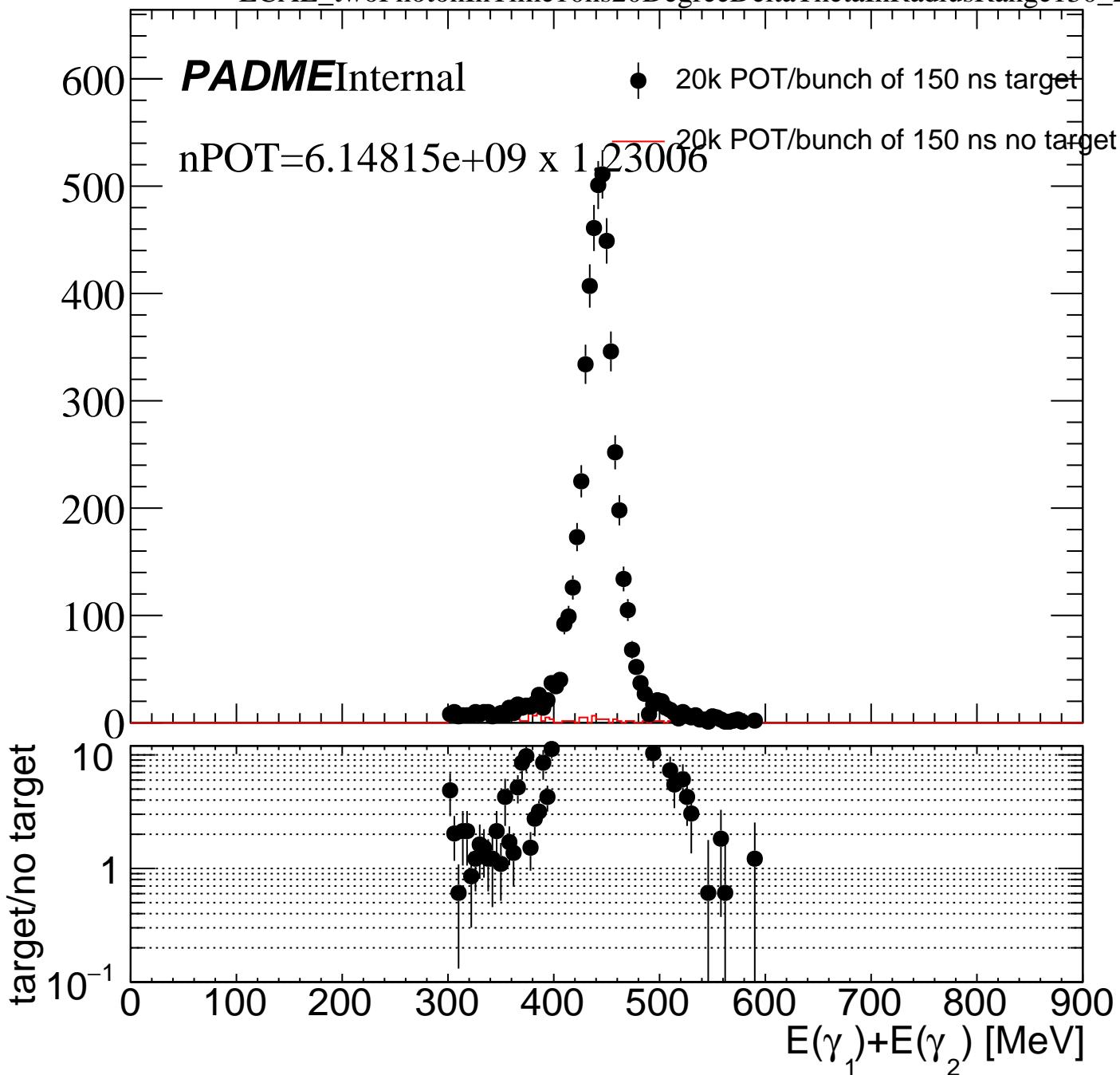
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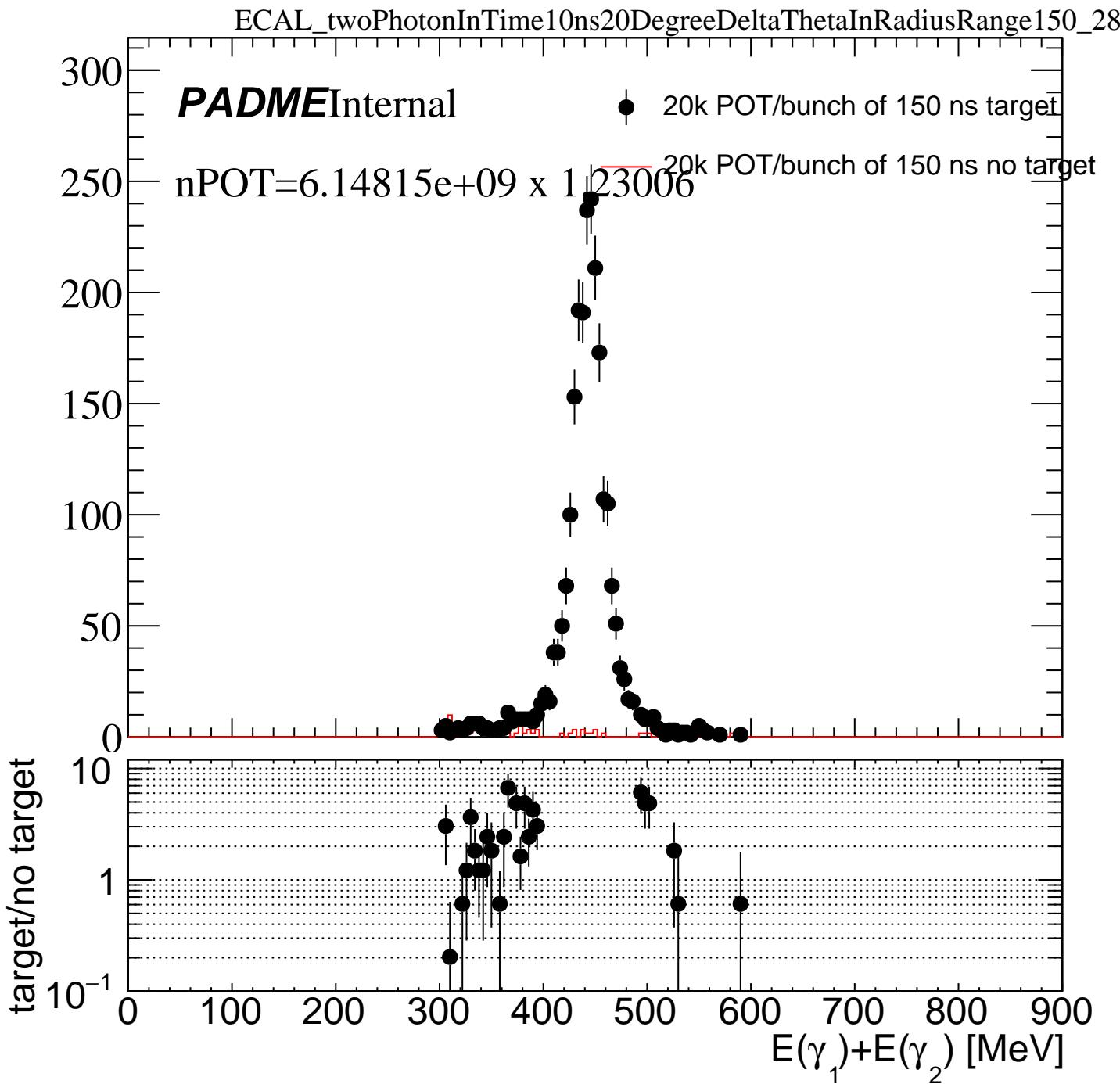


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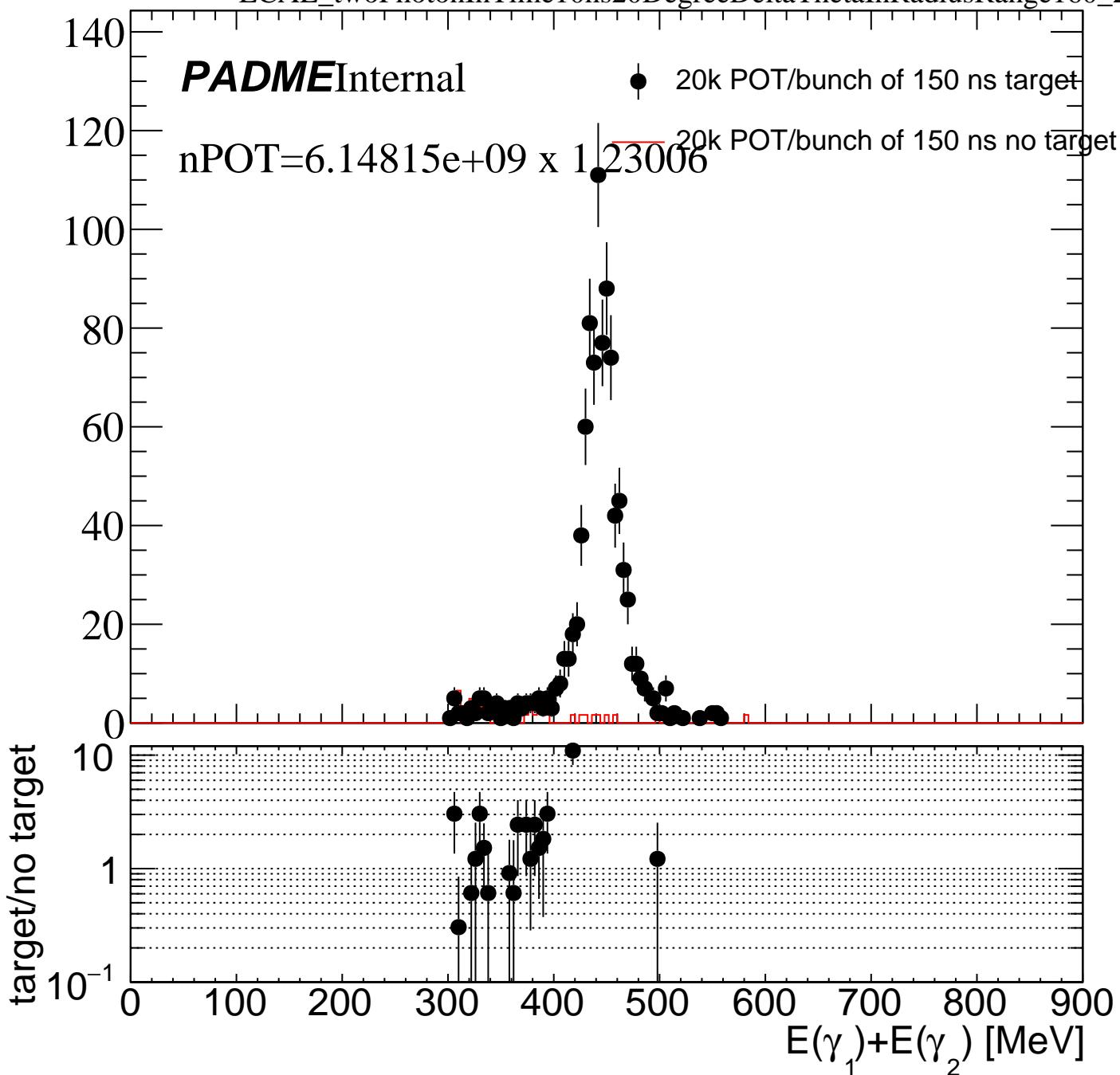


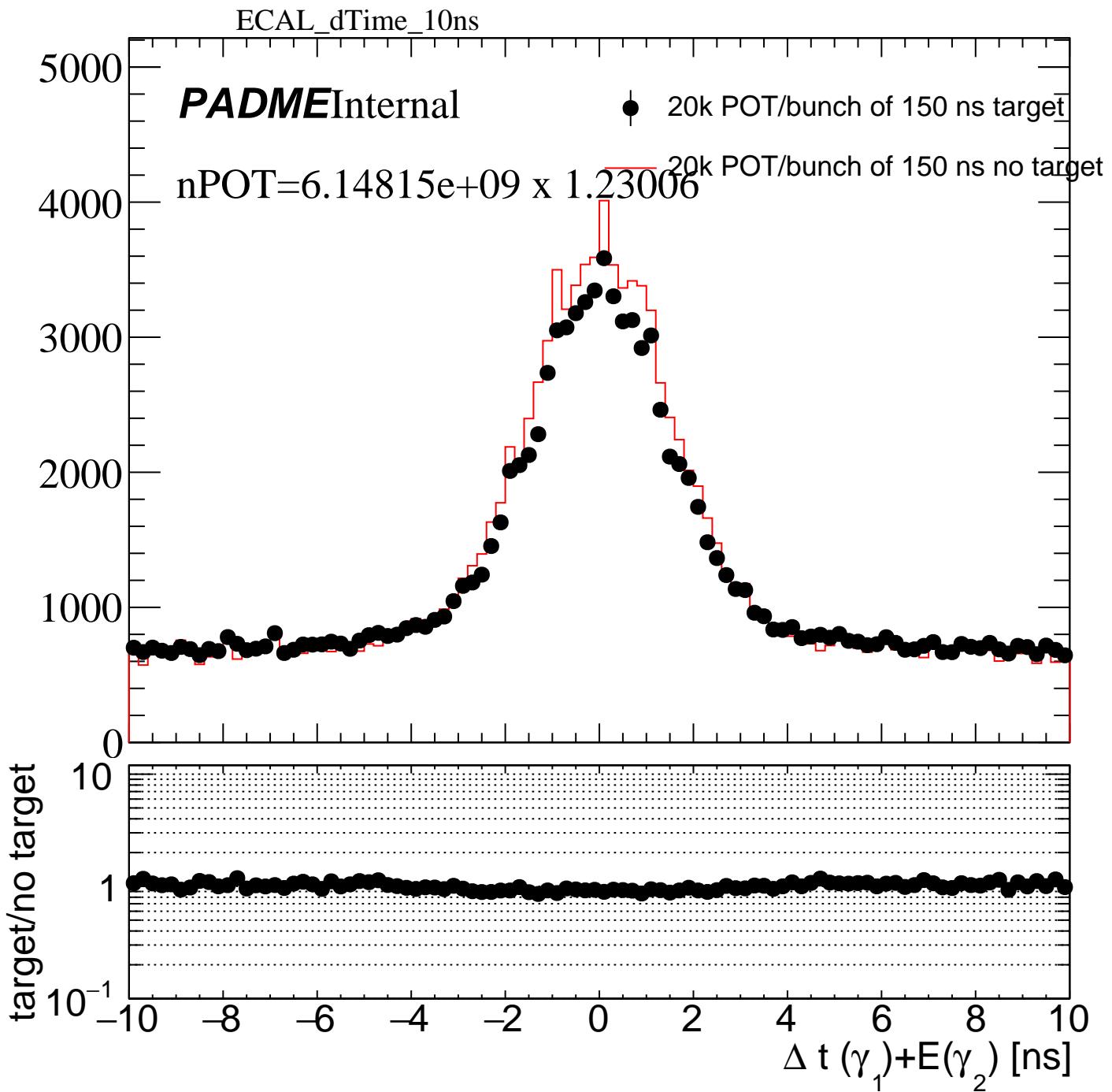
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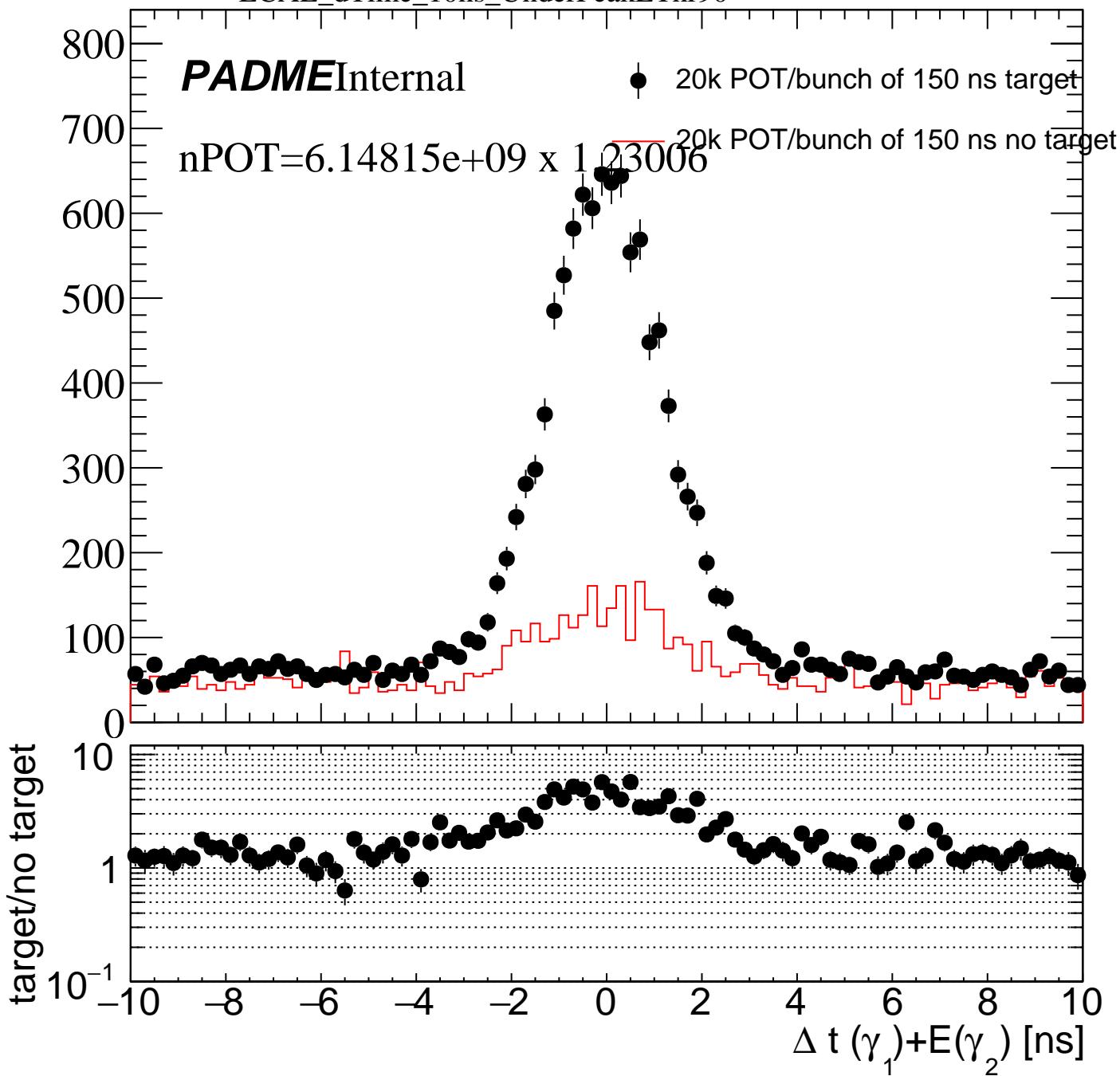


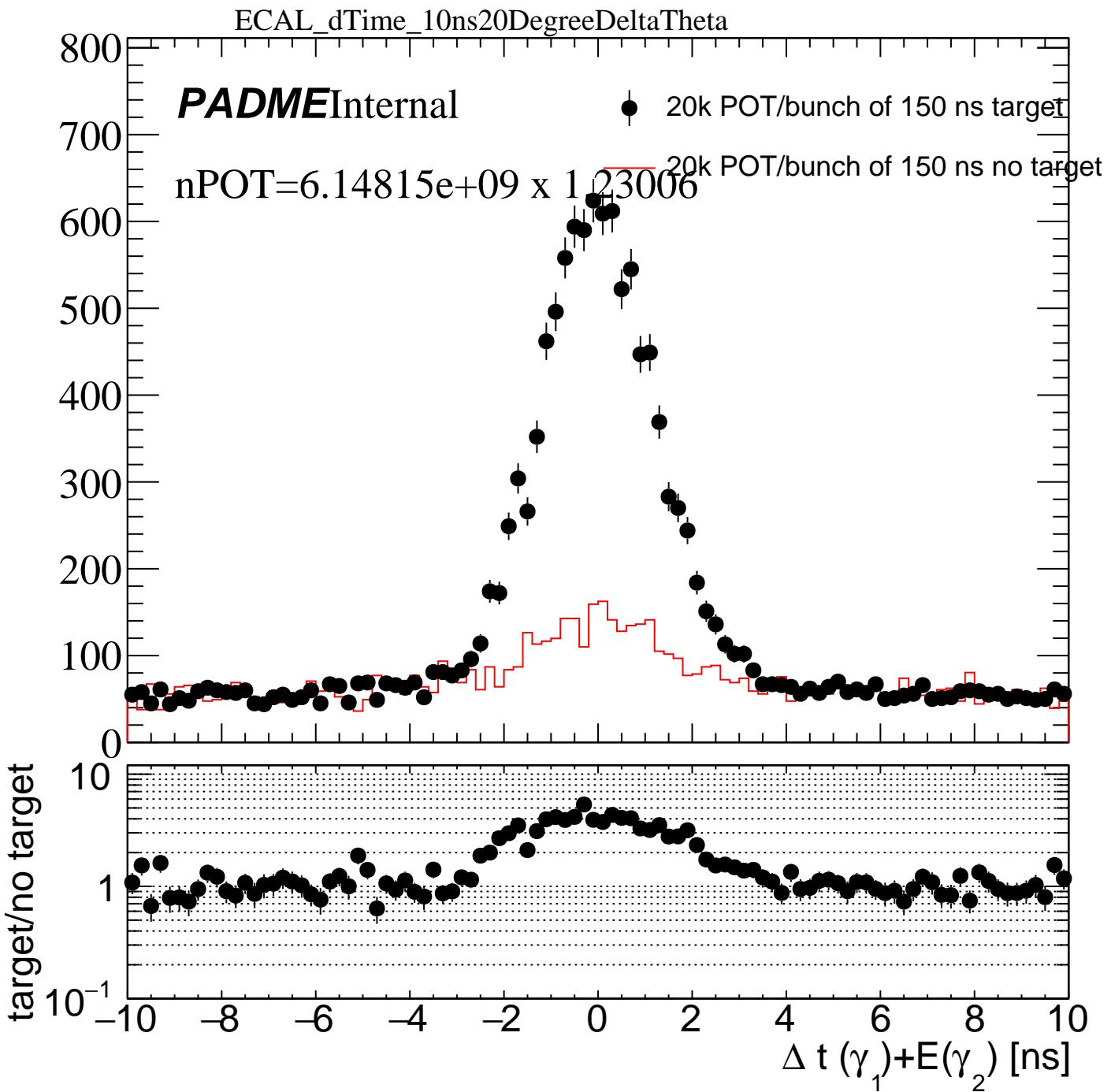
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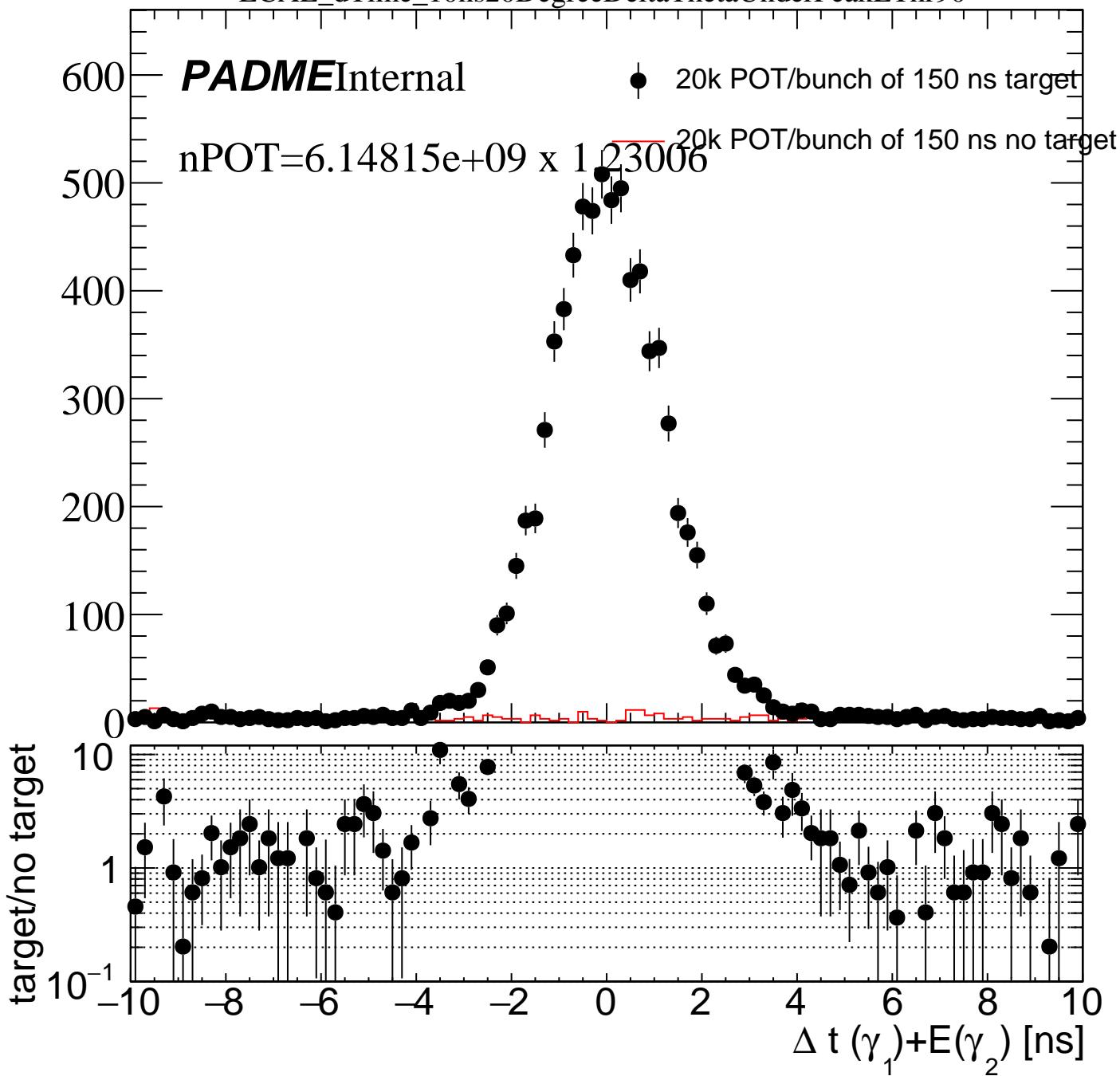


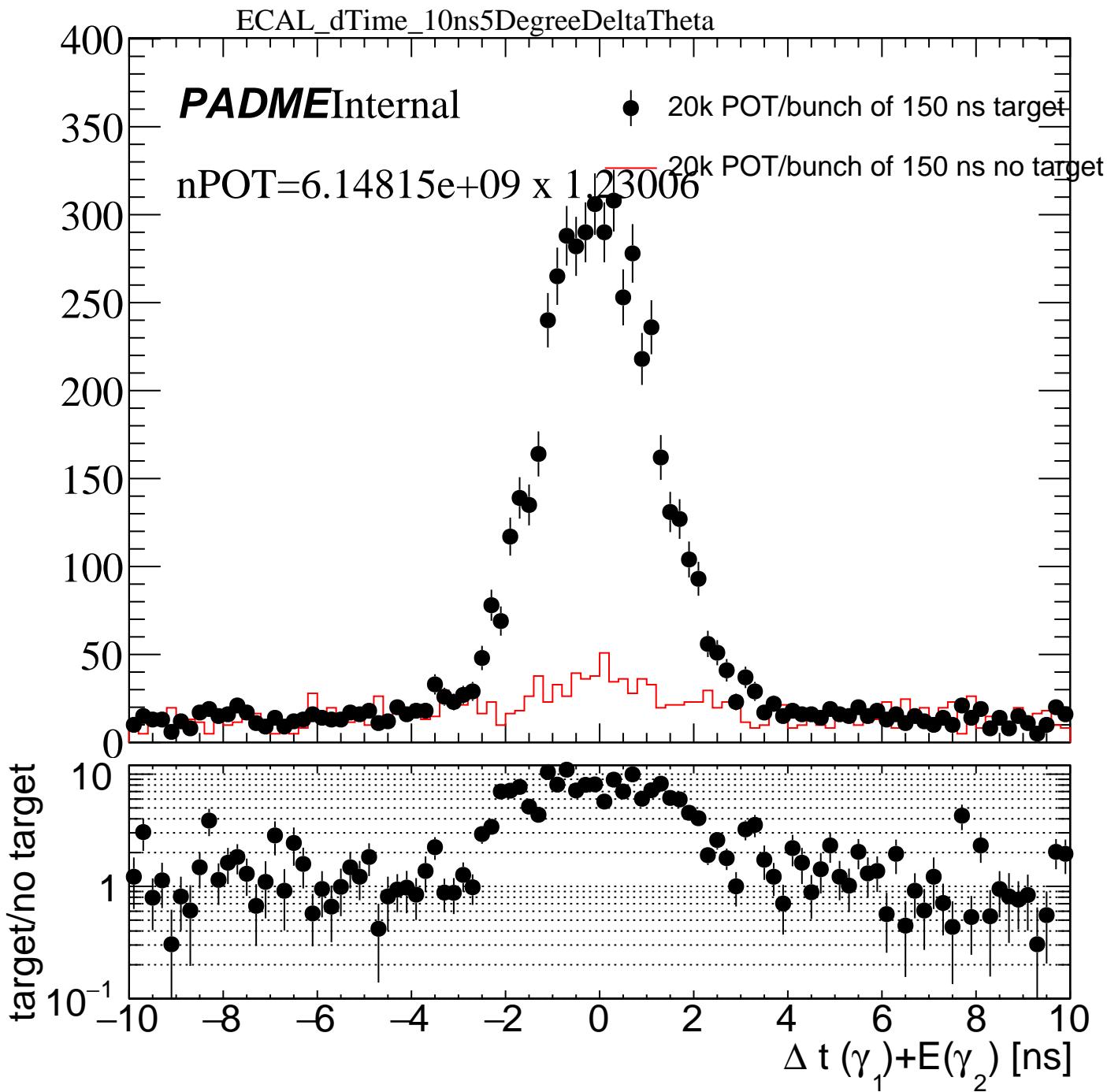
ECAL_dTime_10ns_UnderPeakETHr90

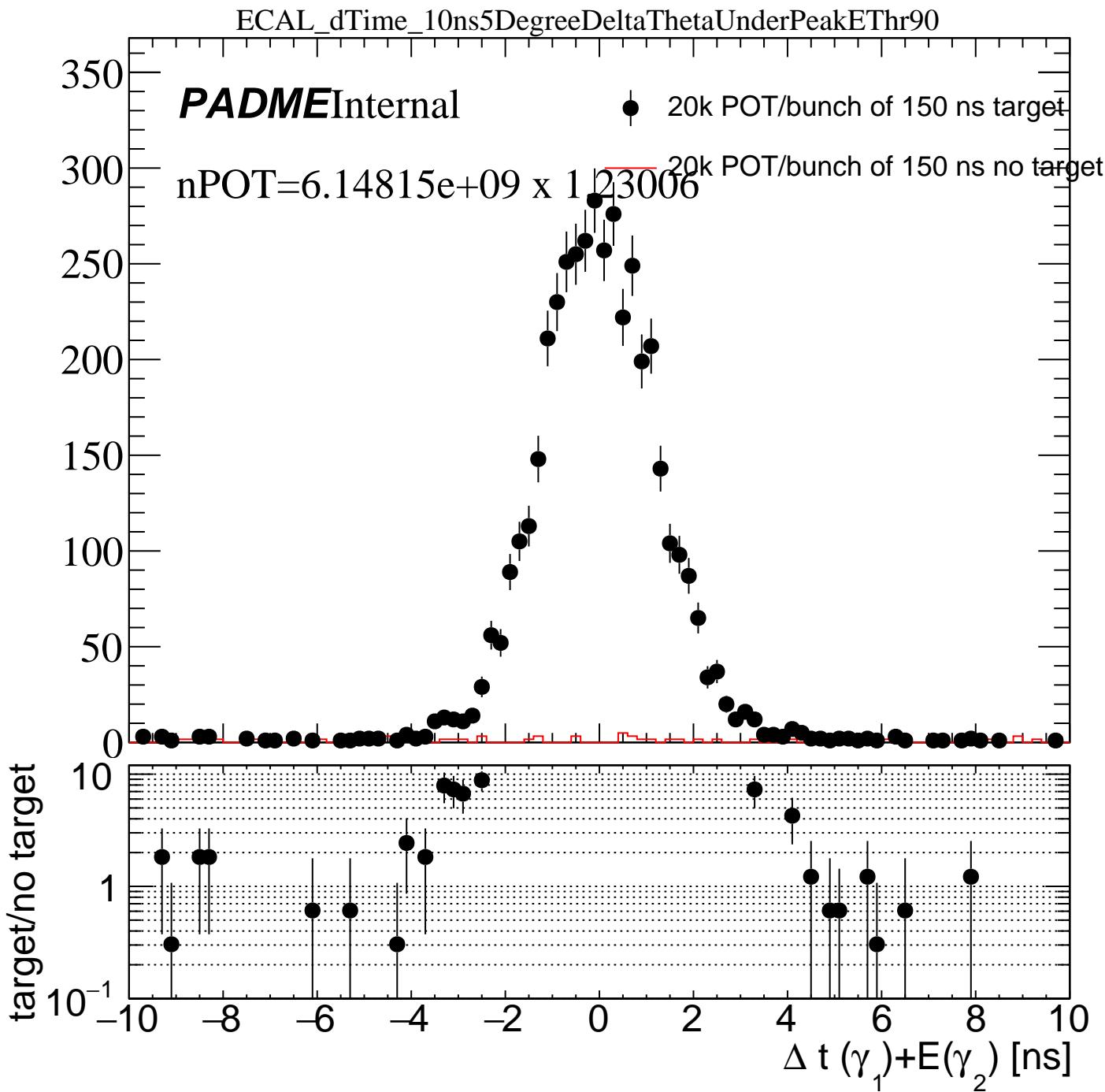


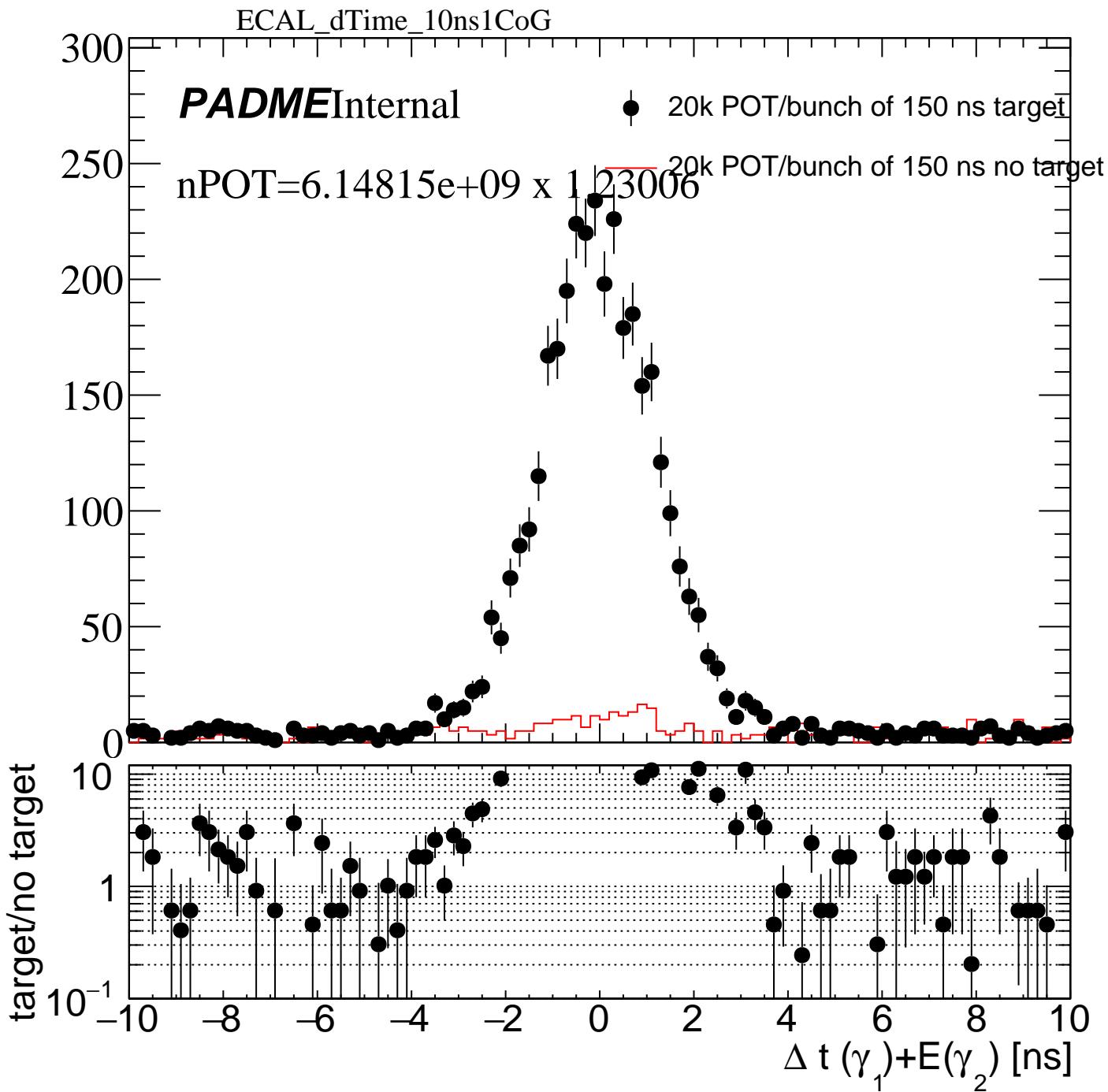


ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90

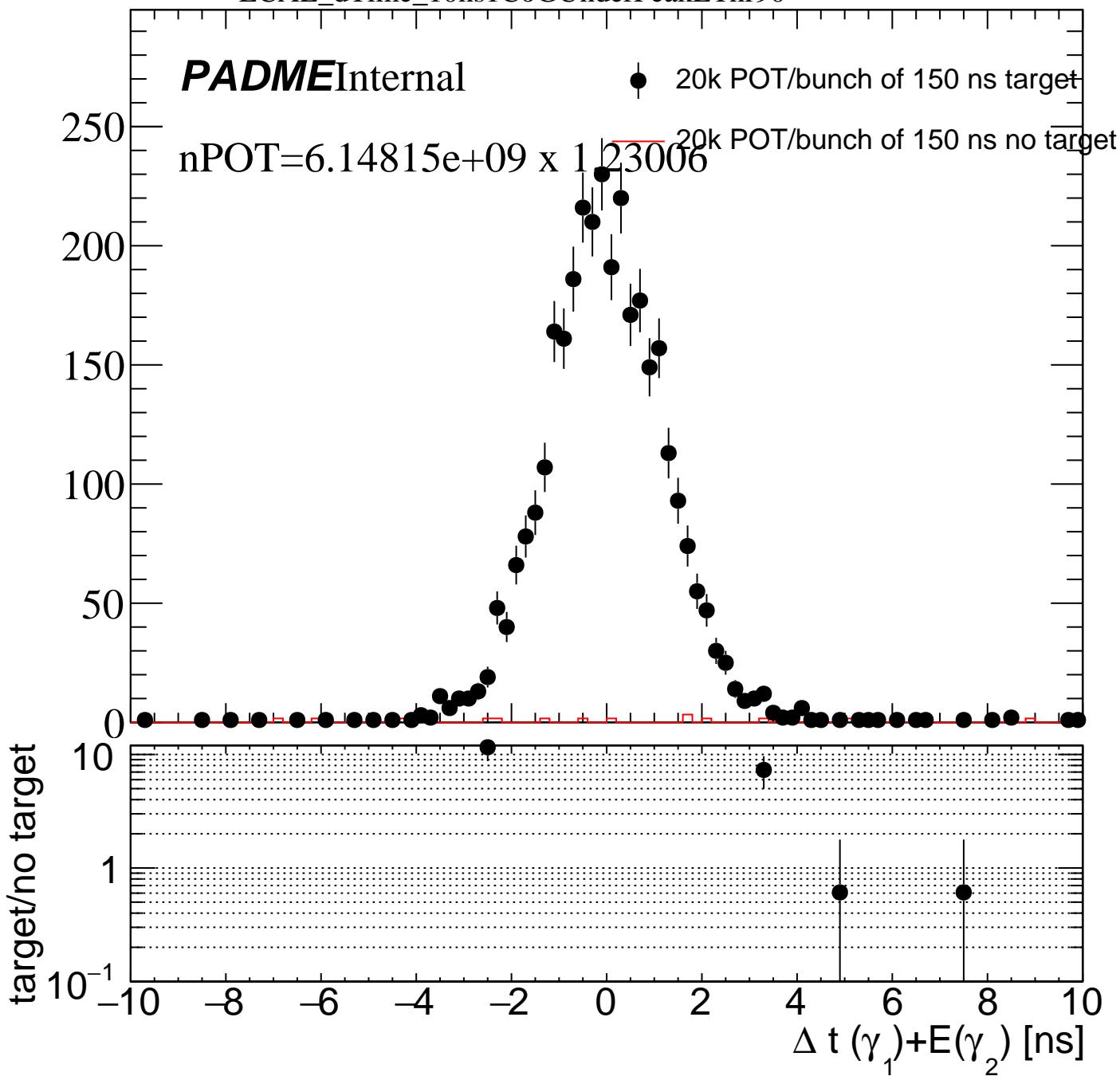


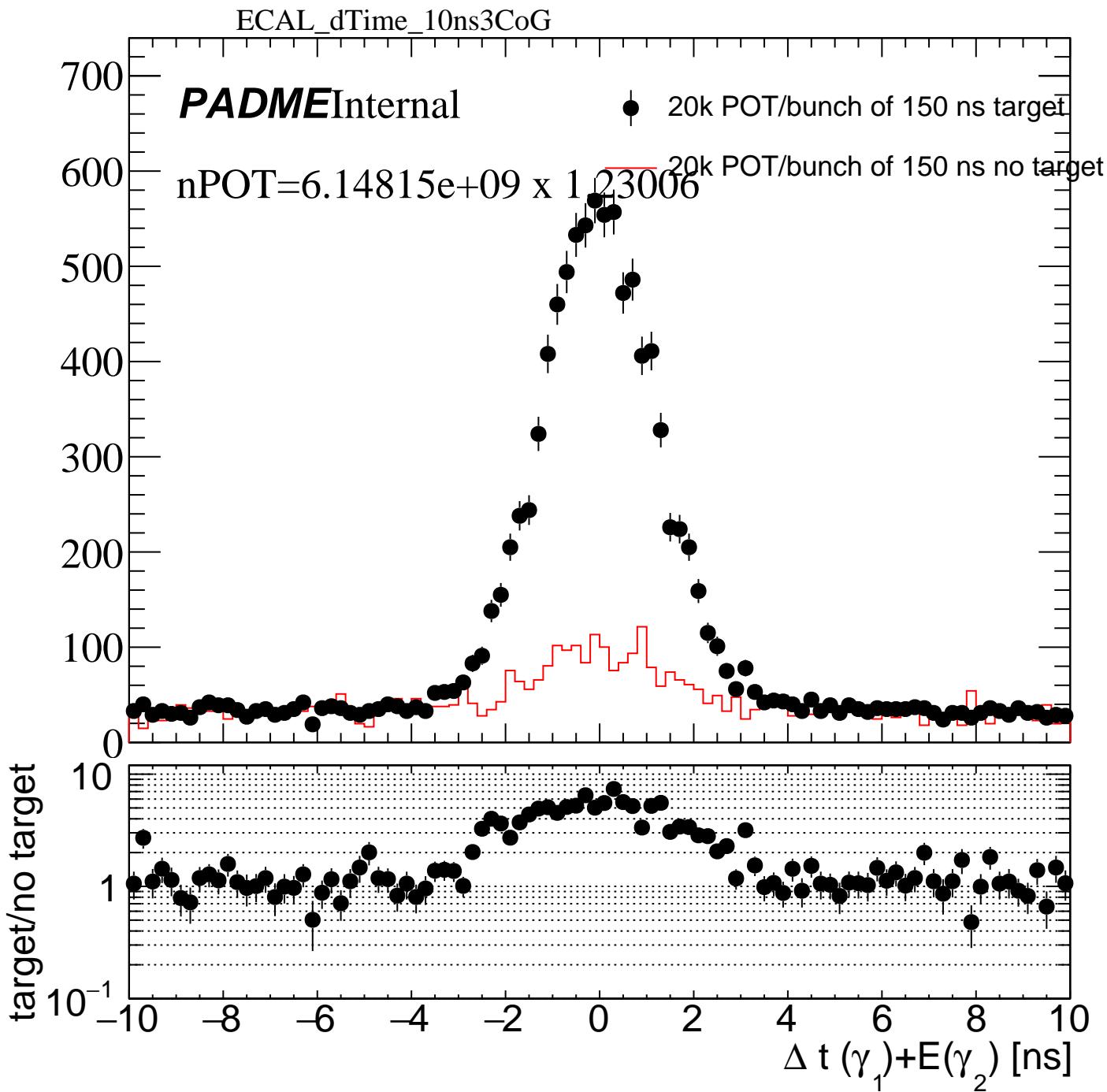




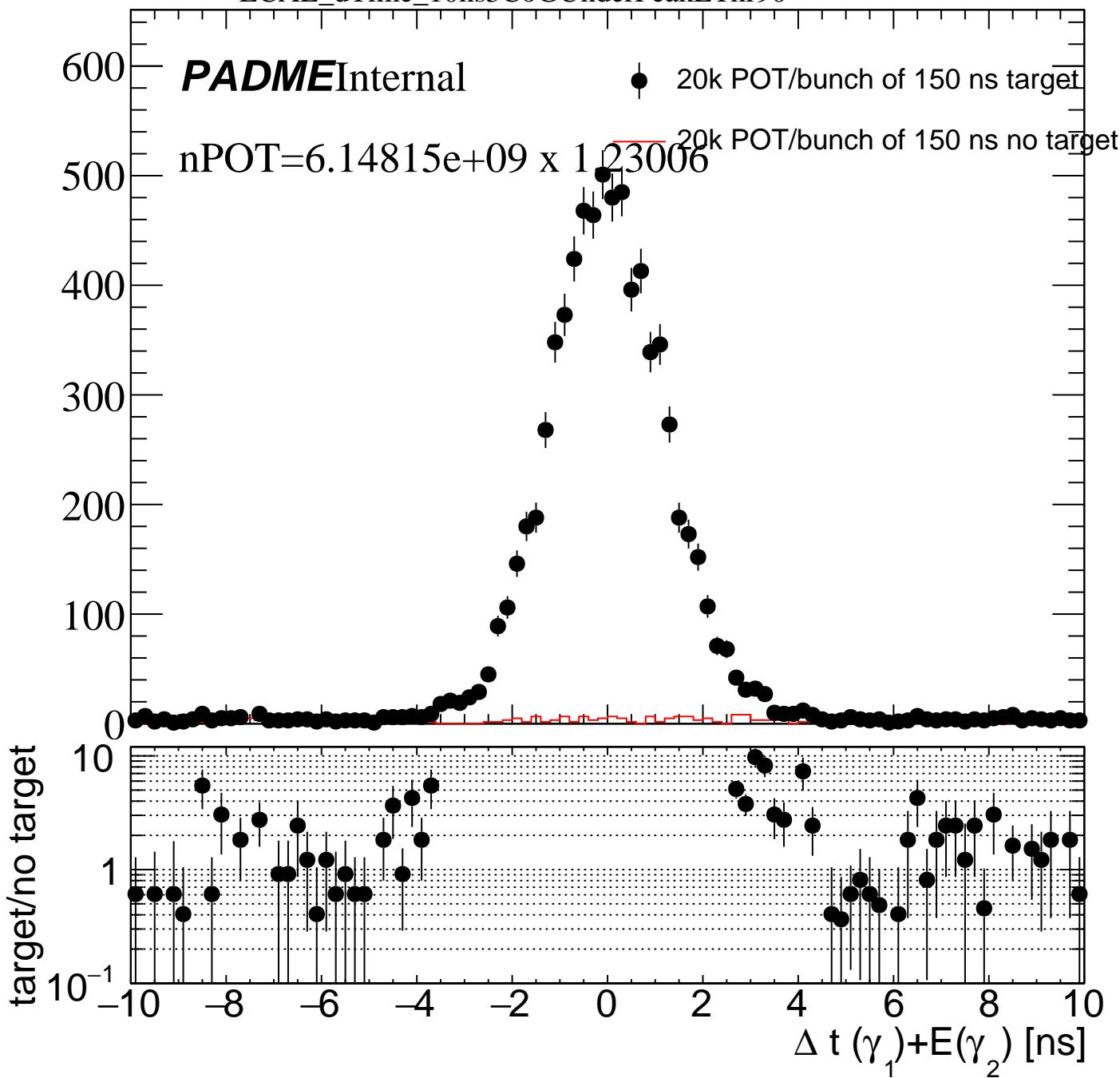


ECAL_dTime_10ns1CoGUnderPeakEThr90

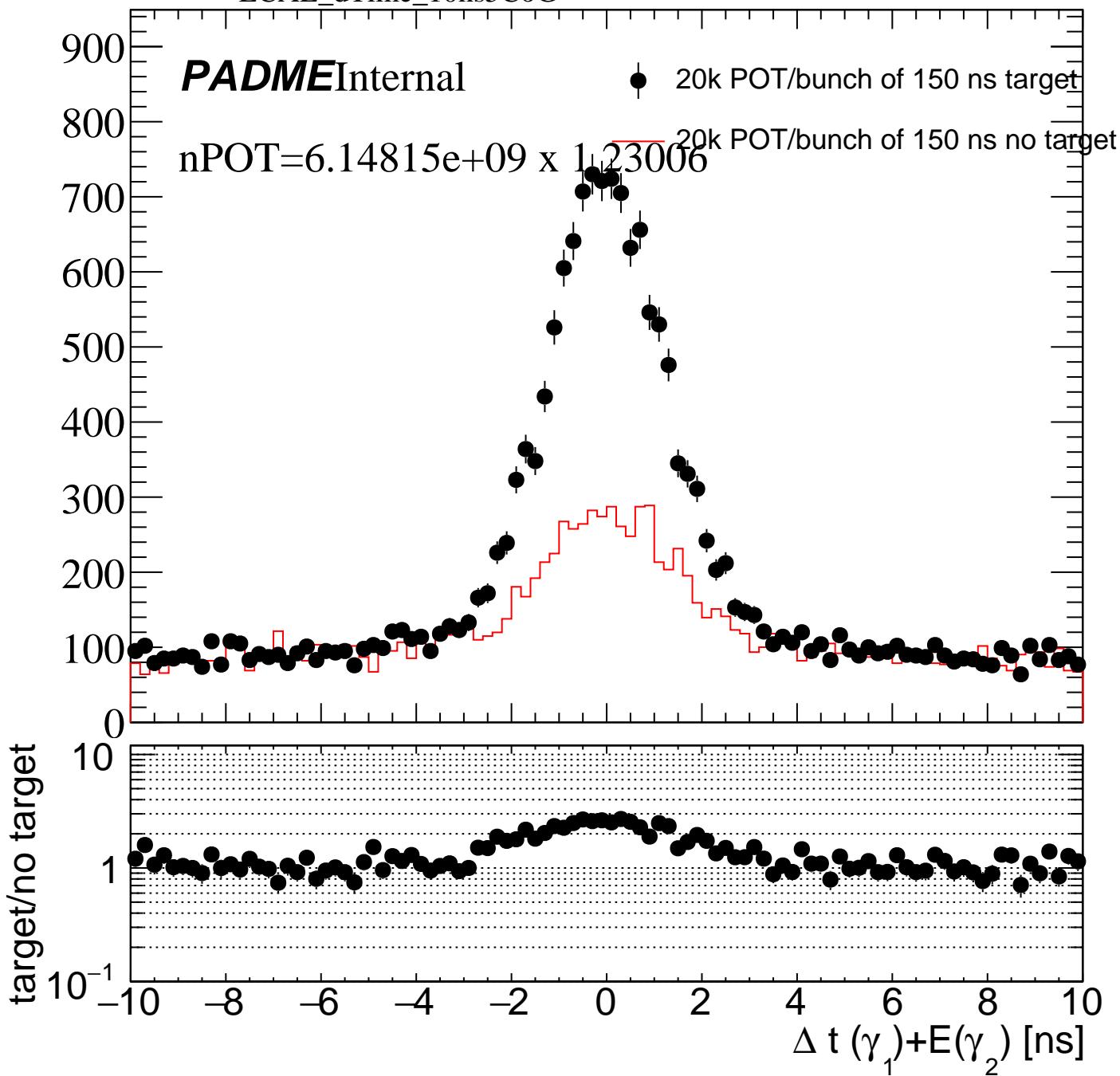




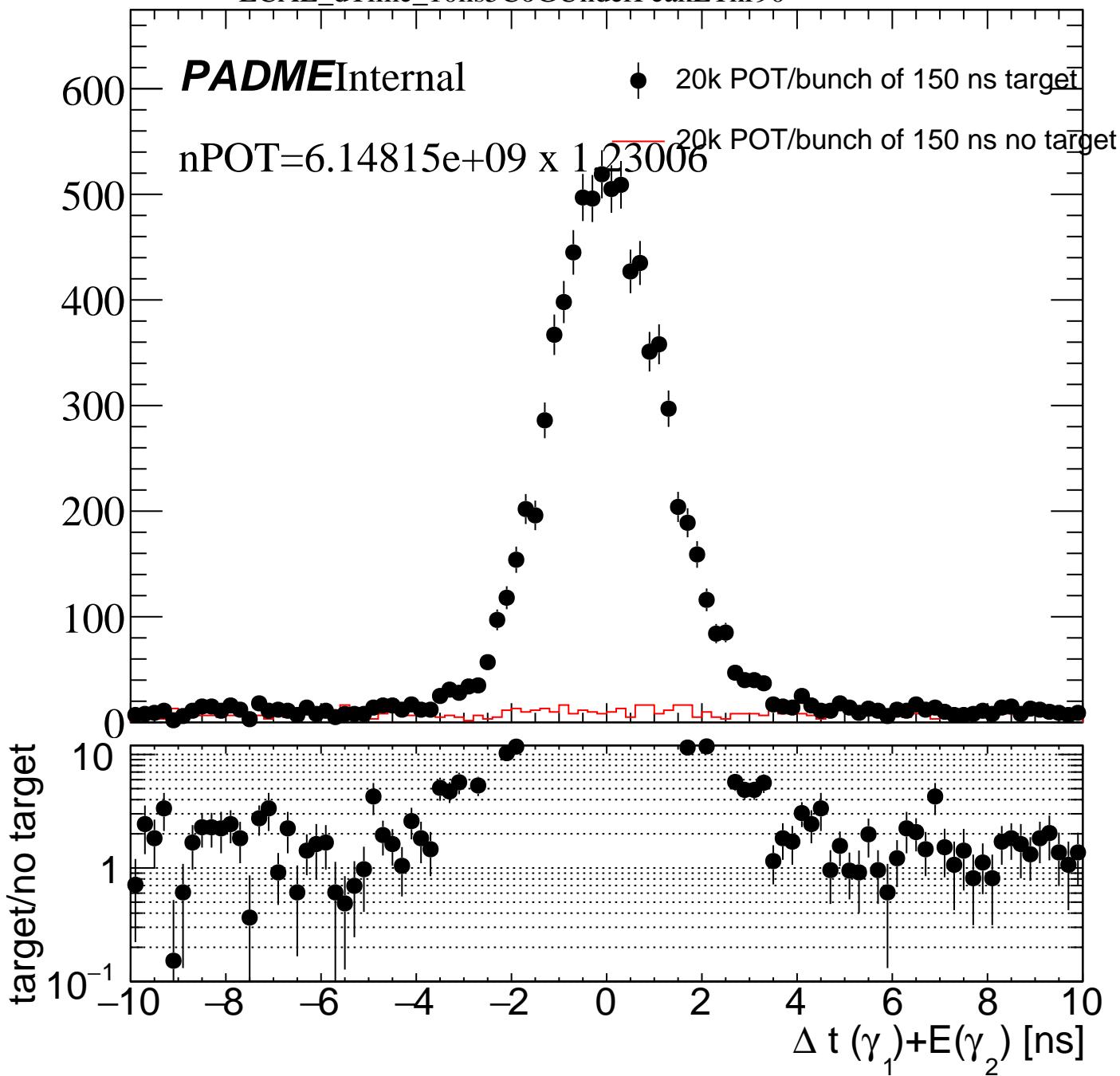
ECAL_dTime_10ns3CoGUnderPeakEThr90

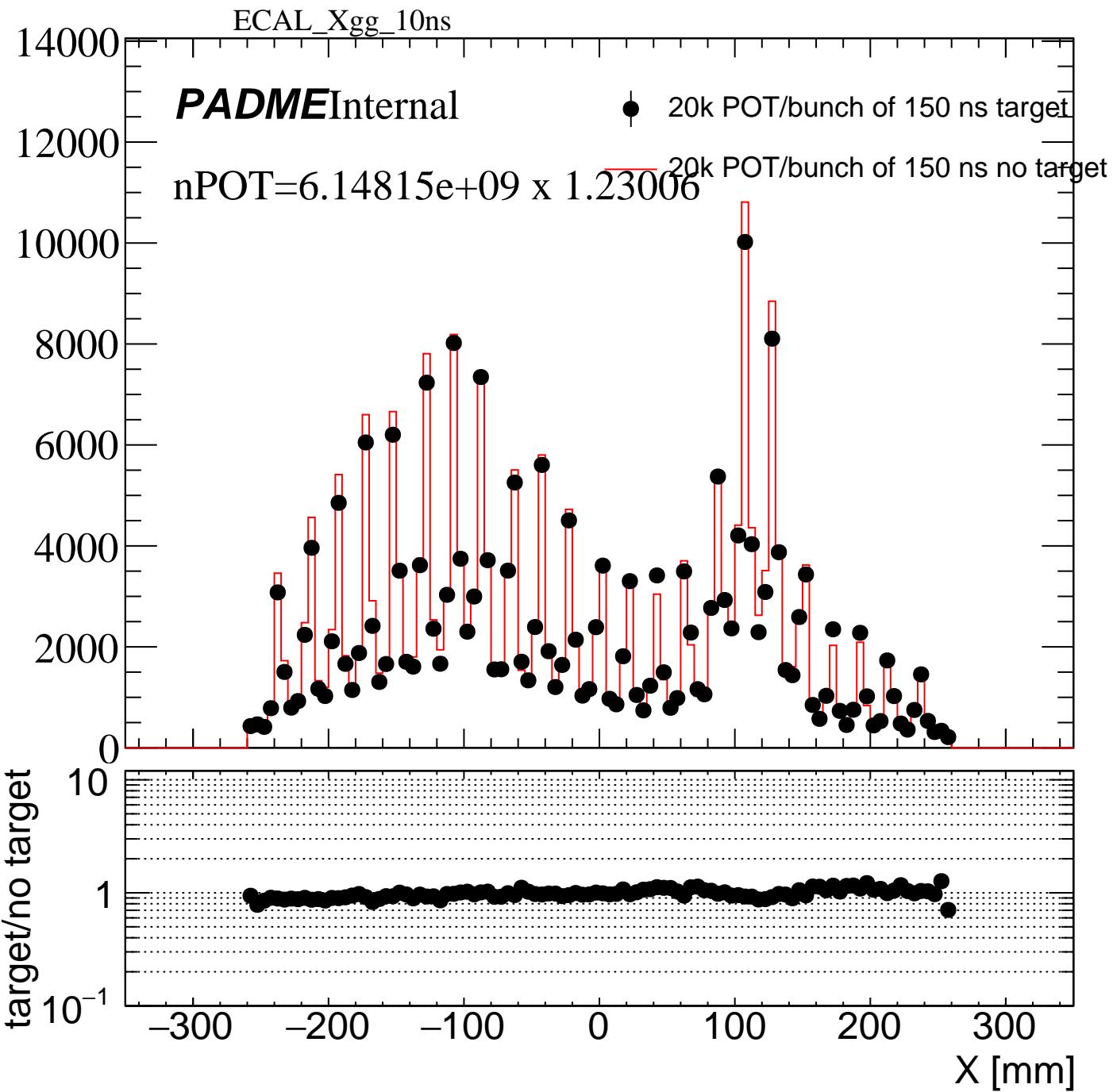


ECAL_dTime_10ns5CoG

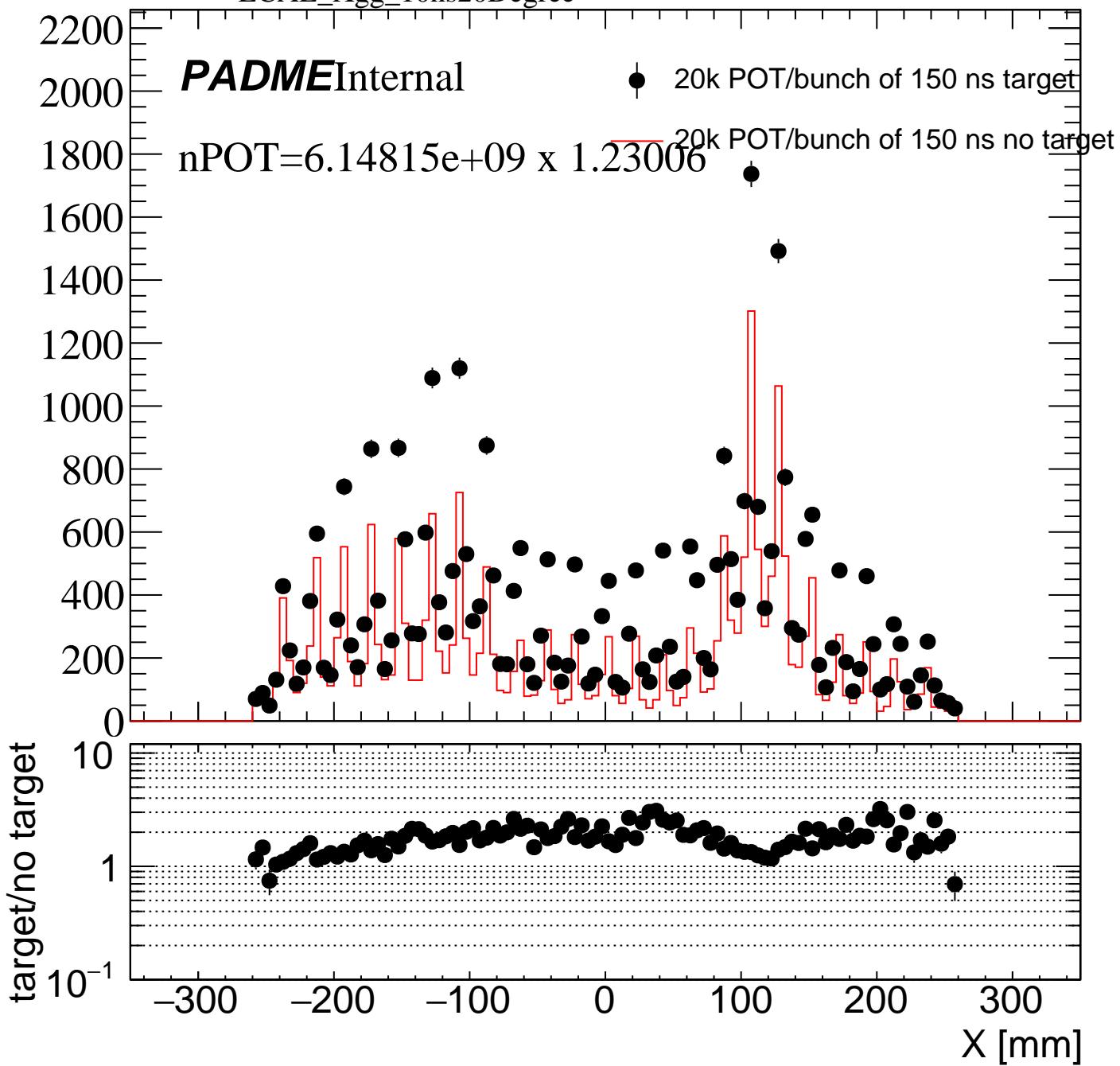


ECAL_dTime_10ns5CoGUnderPeakEThr90

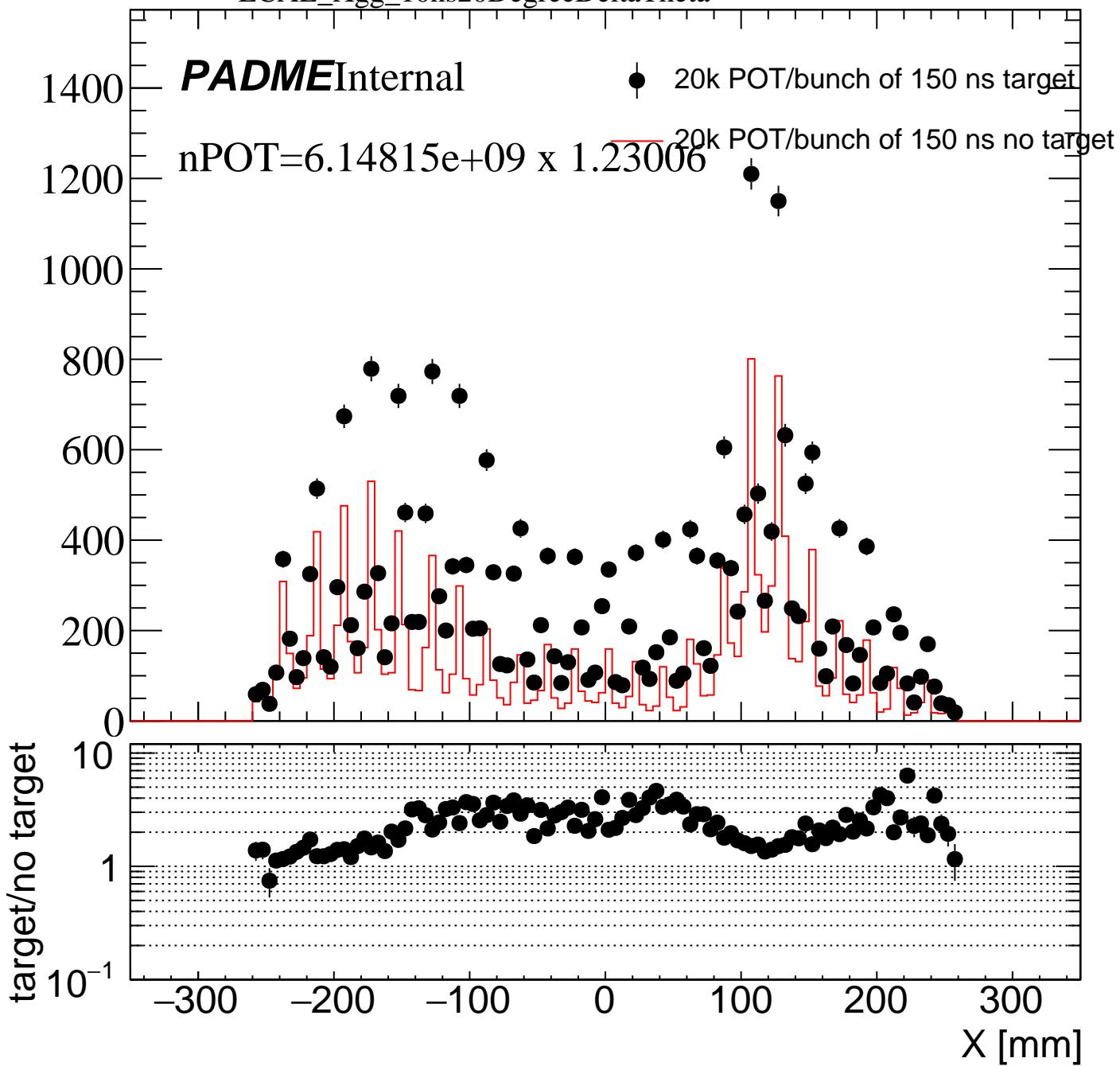




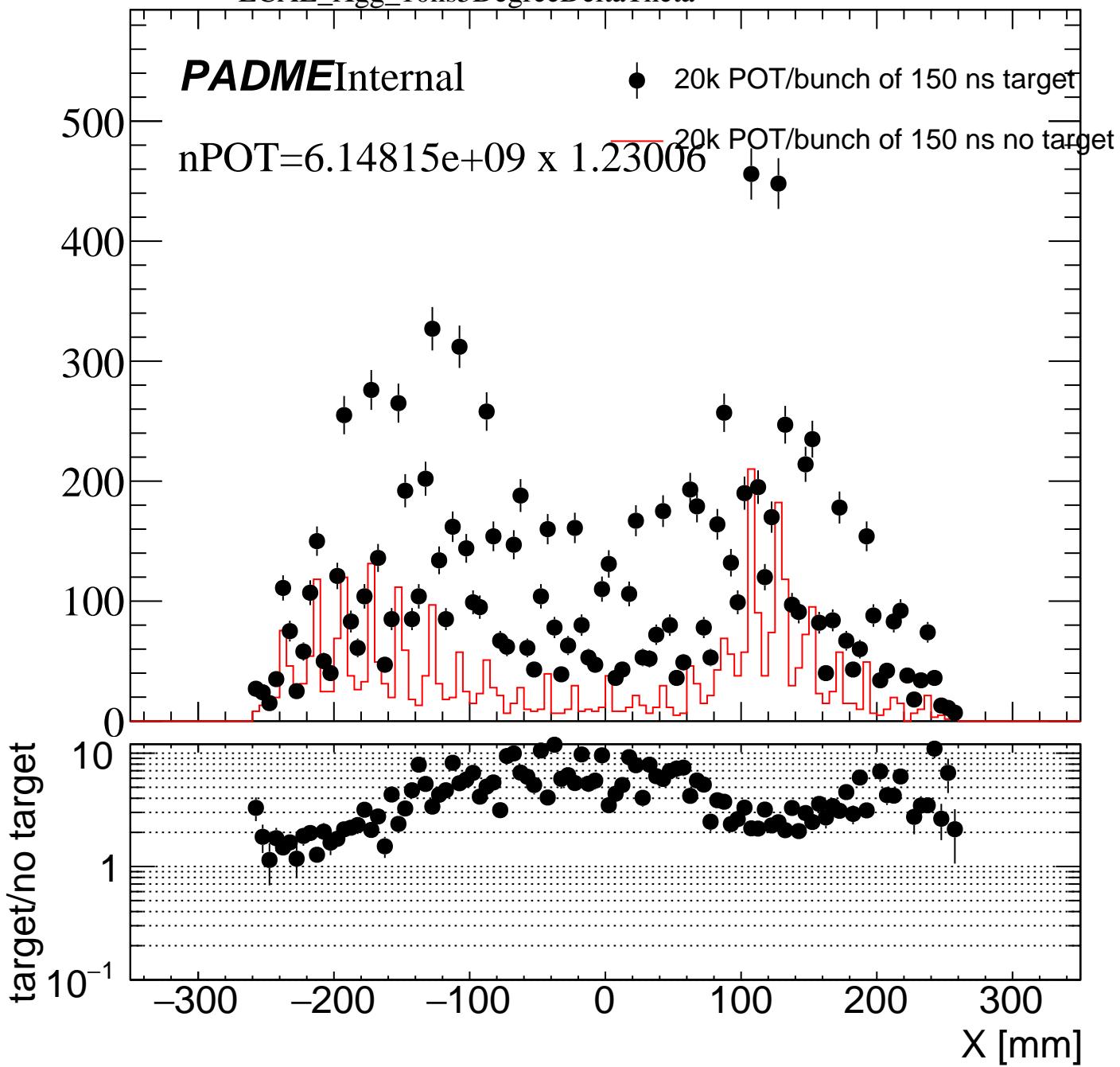
ECAL_Xgg_10ns20Degree



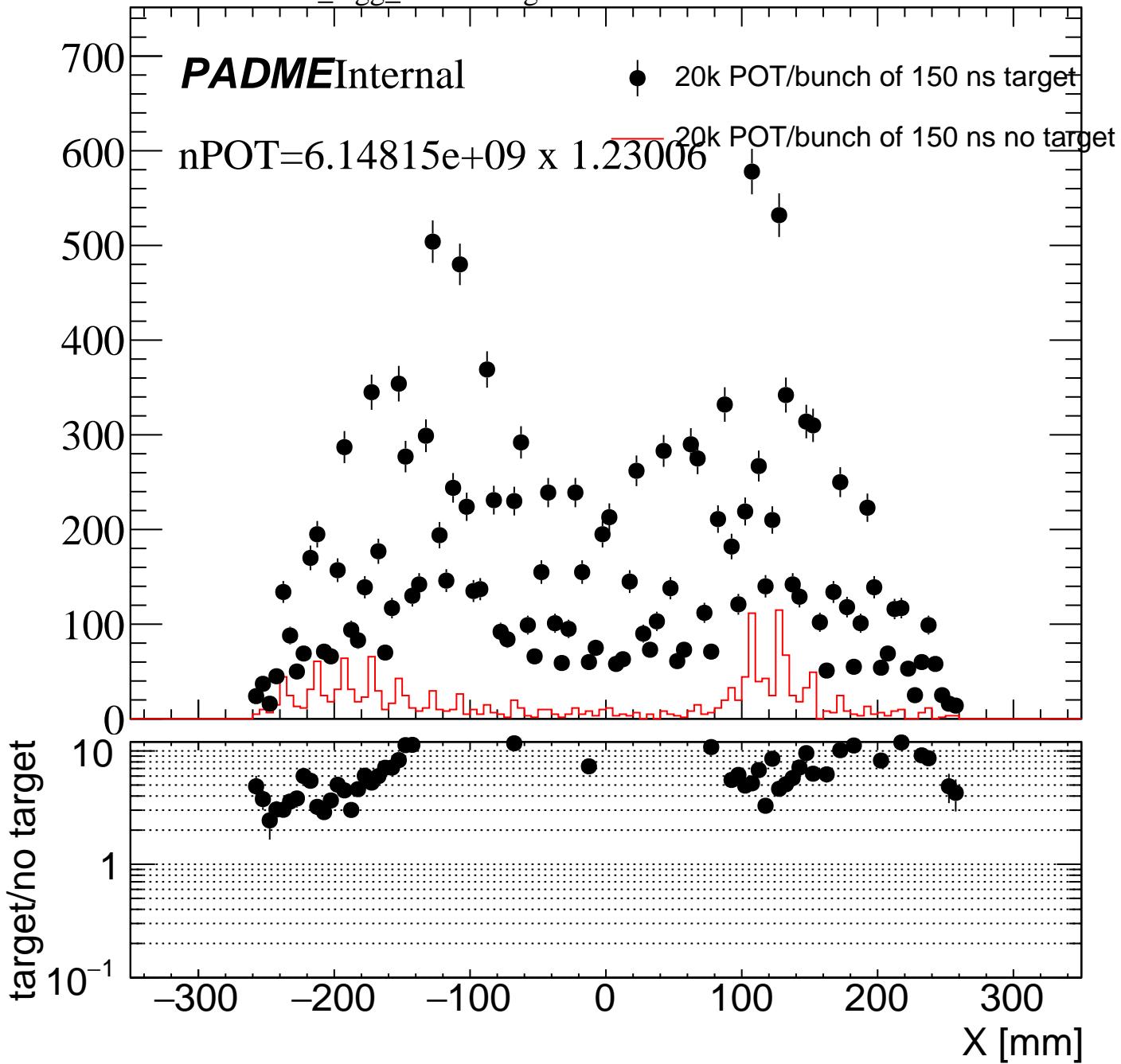
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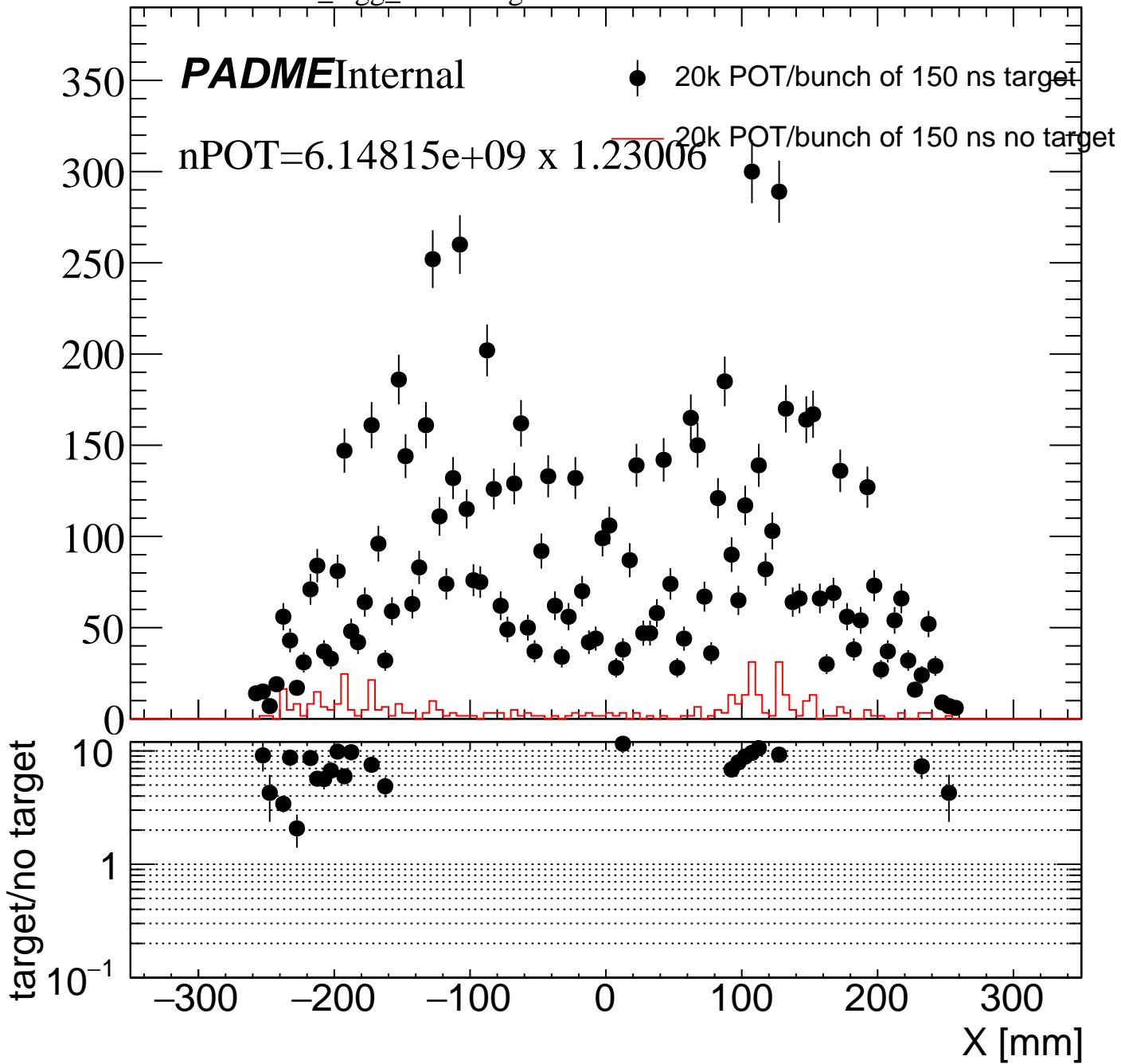
ECAL_Xgg_10ns5DegreeDeltaTheta



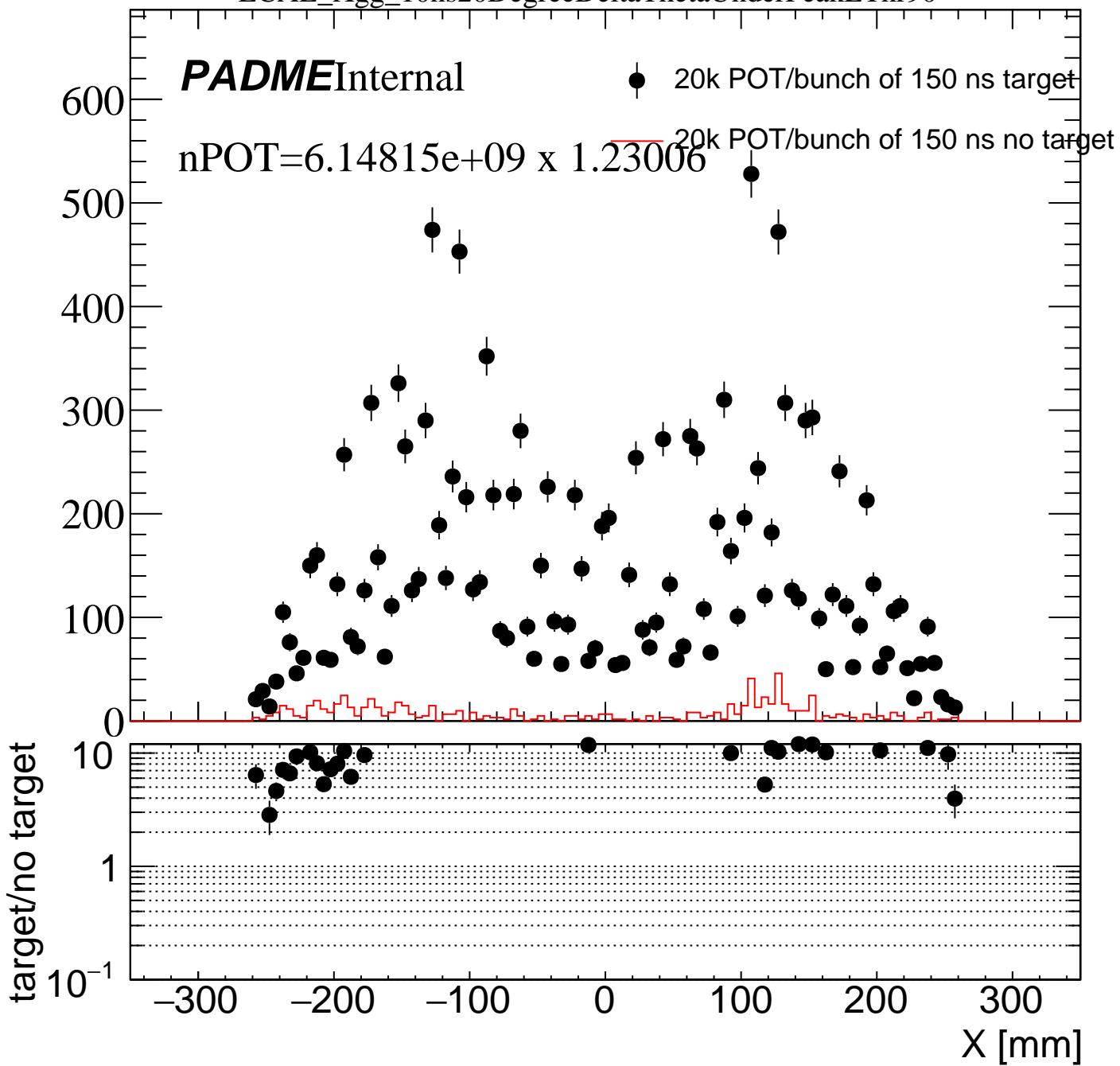
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak



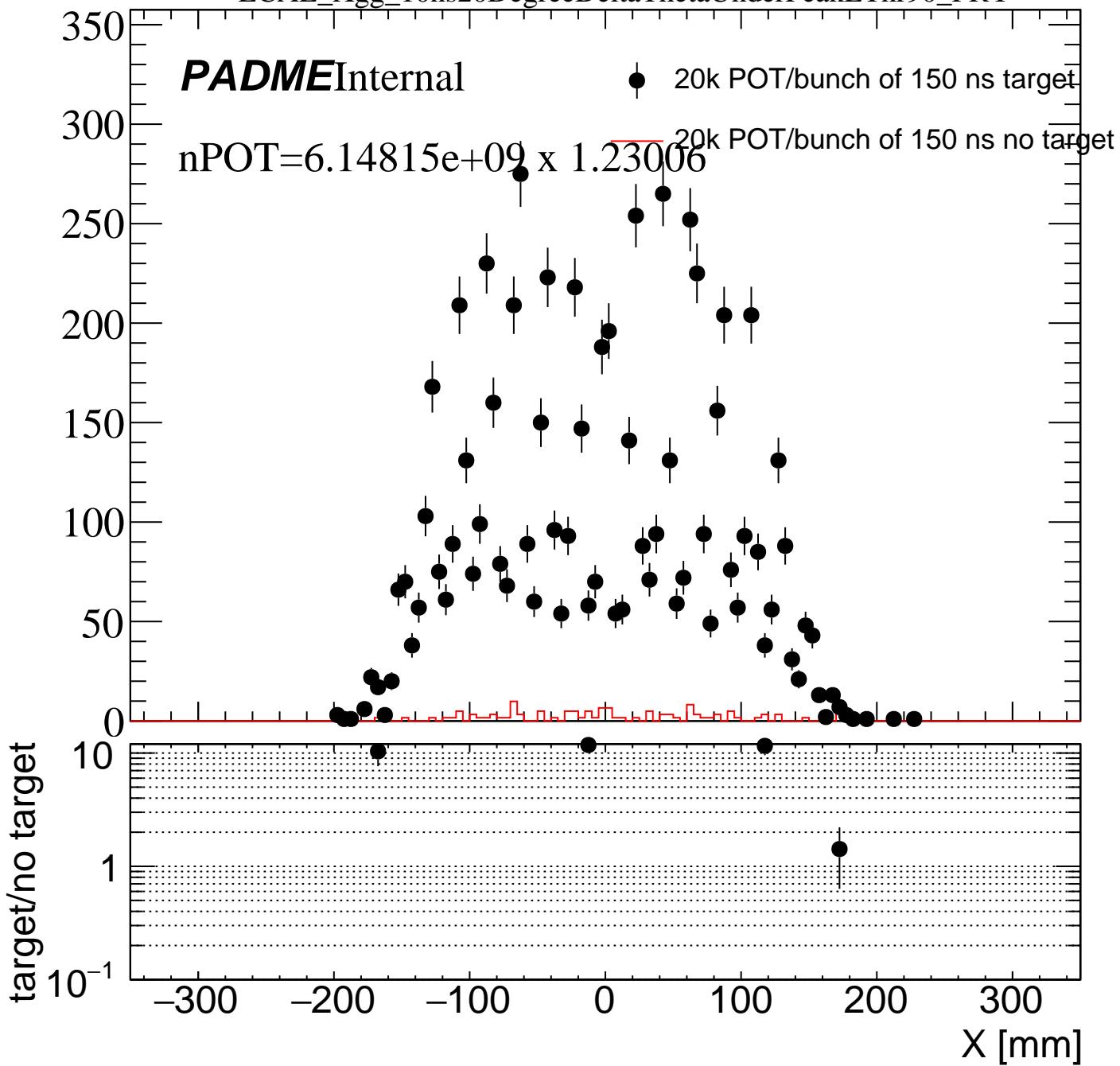
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak



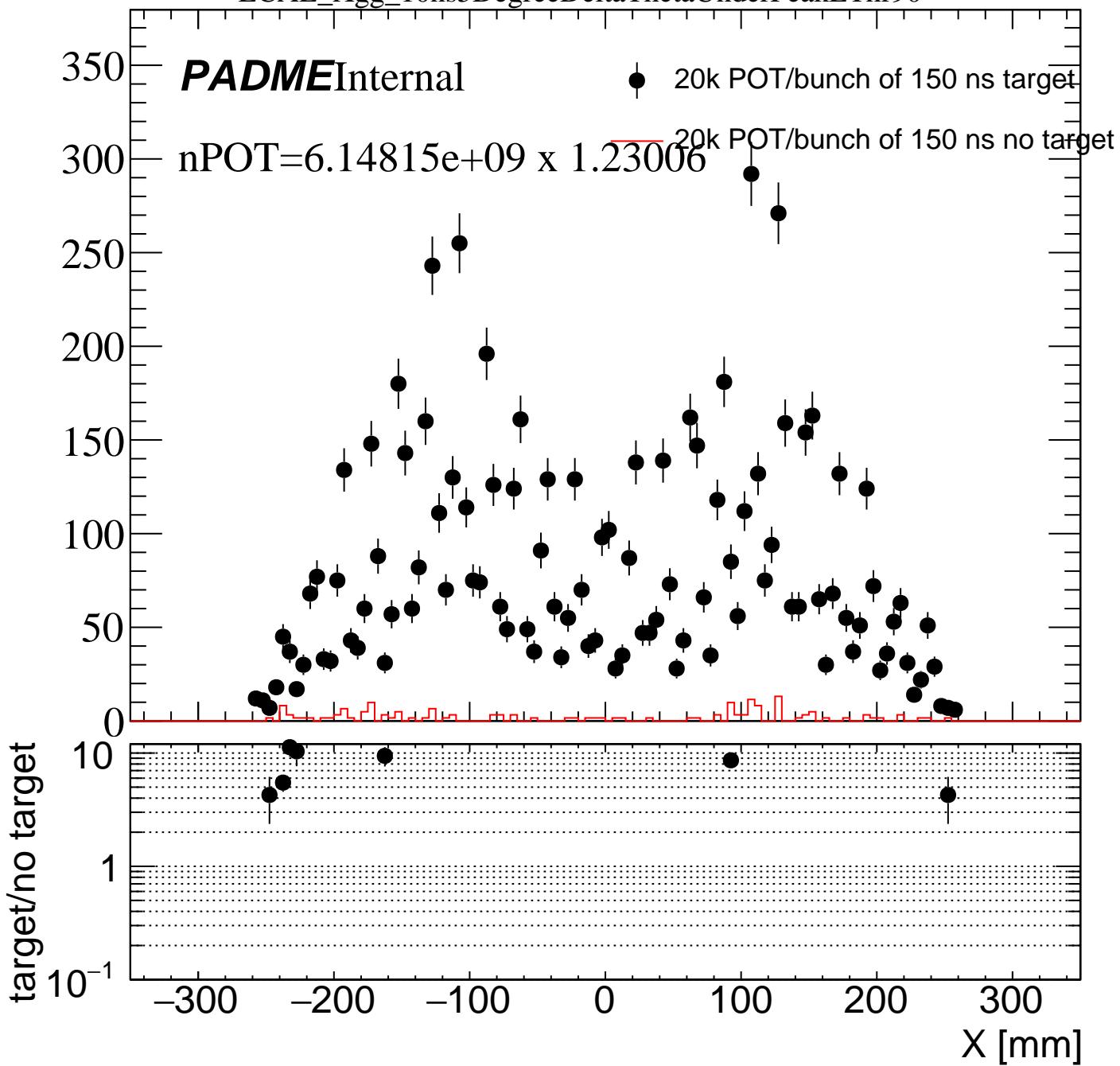
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90



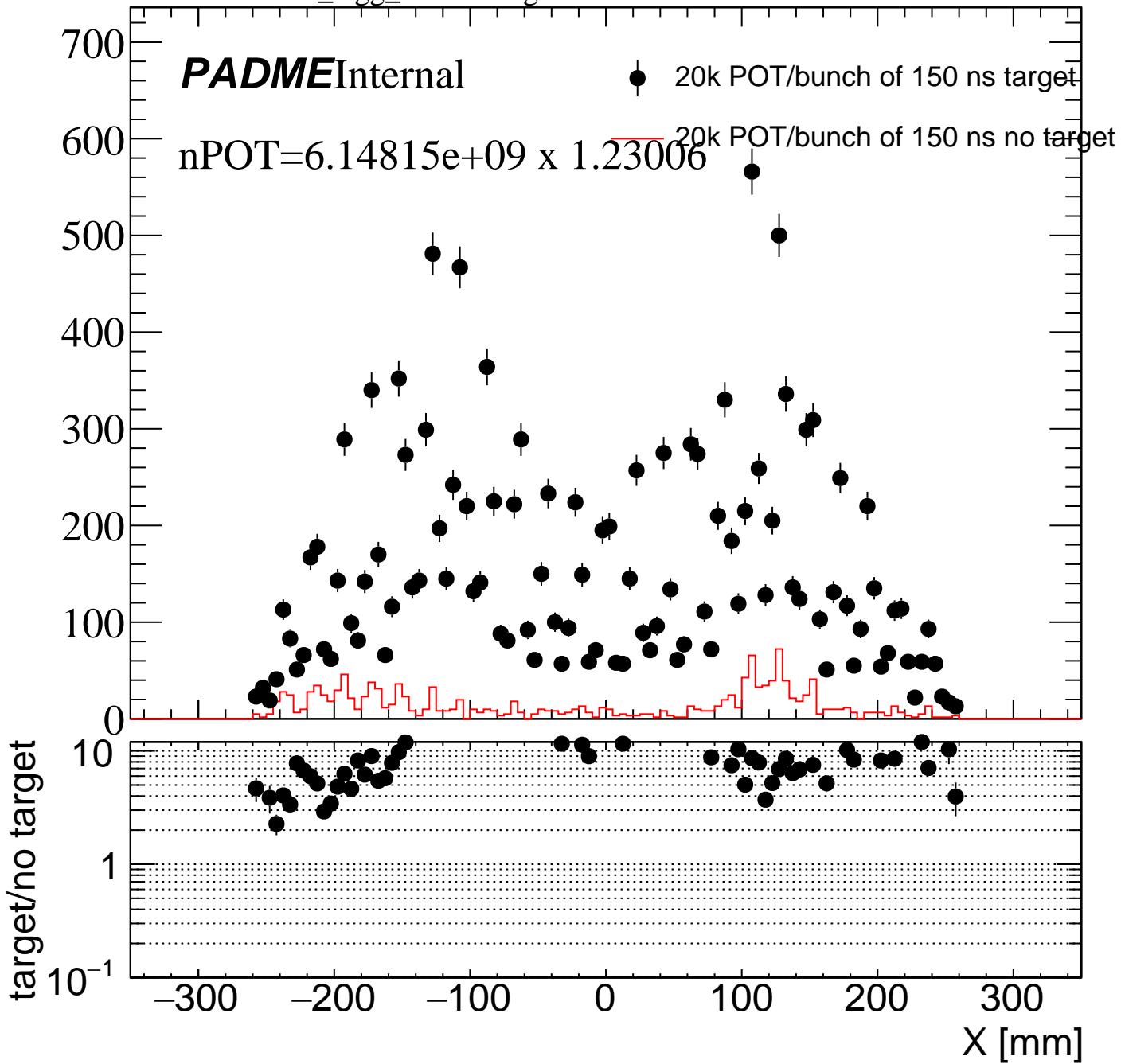
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



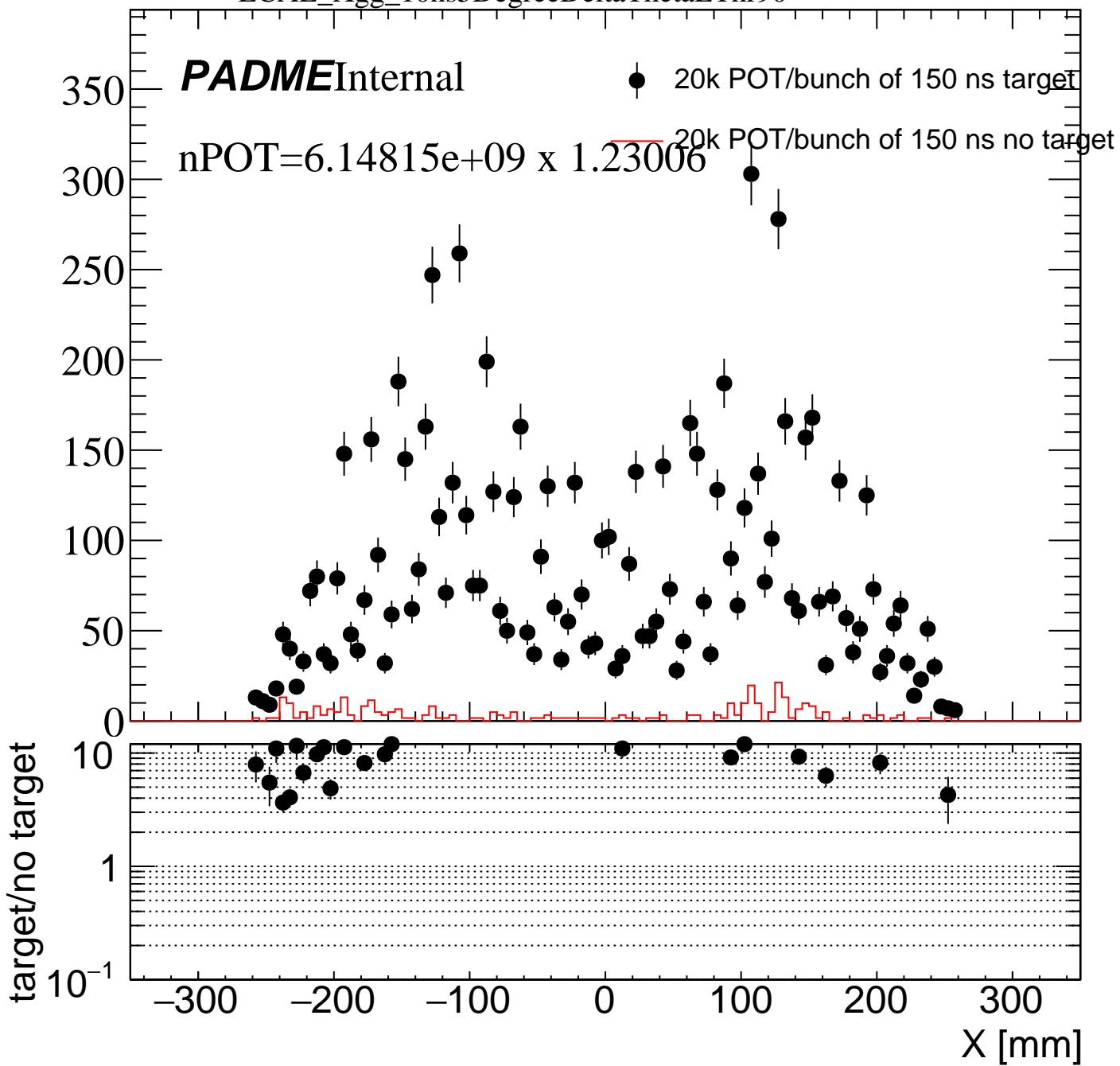
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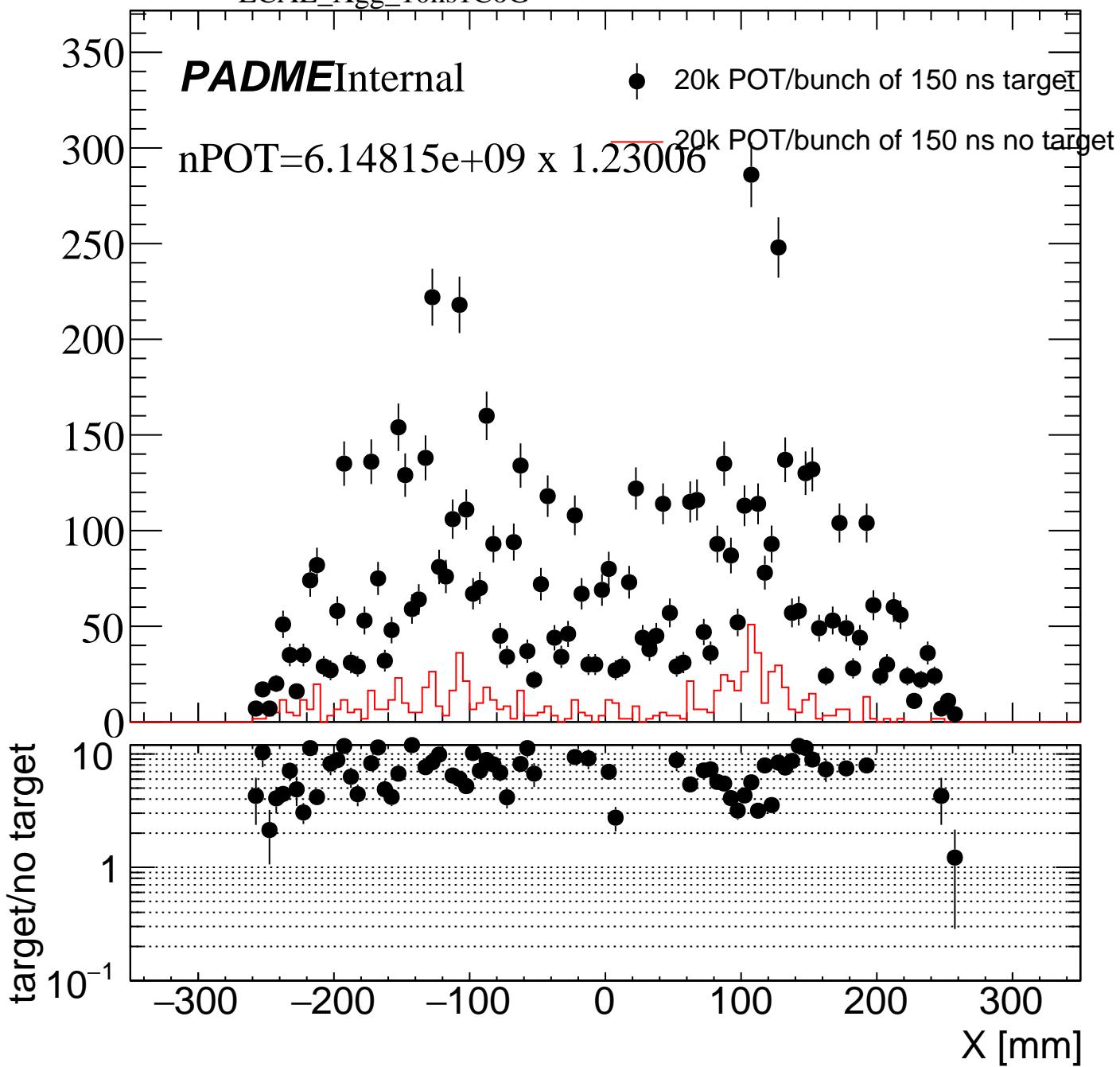
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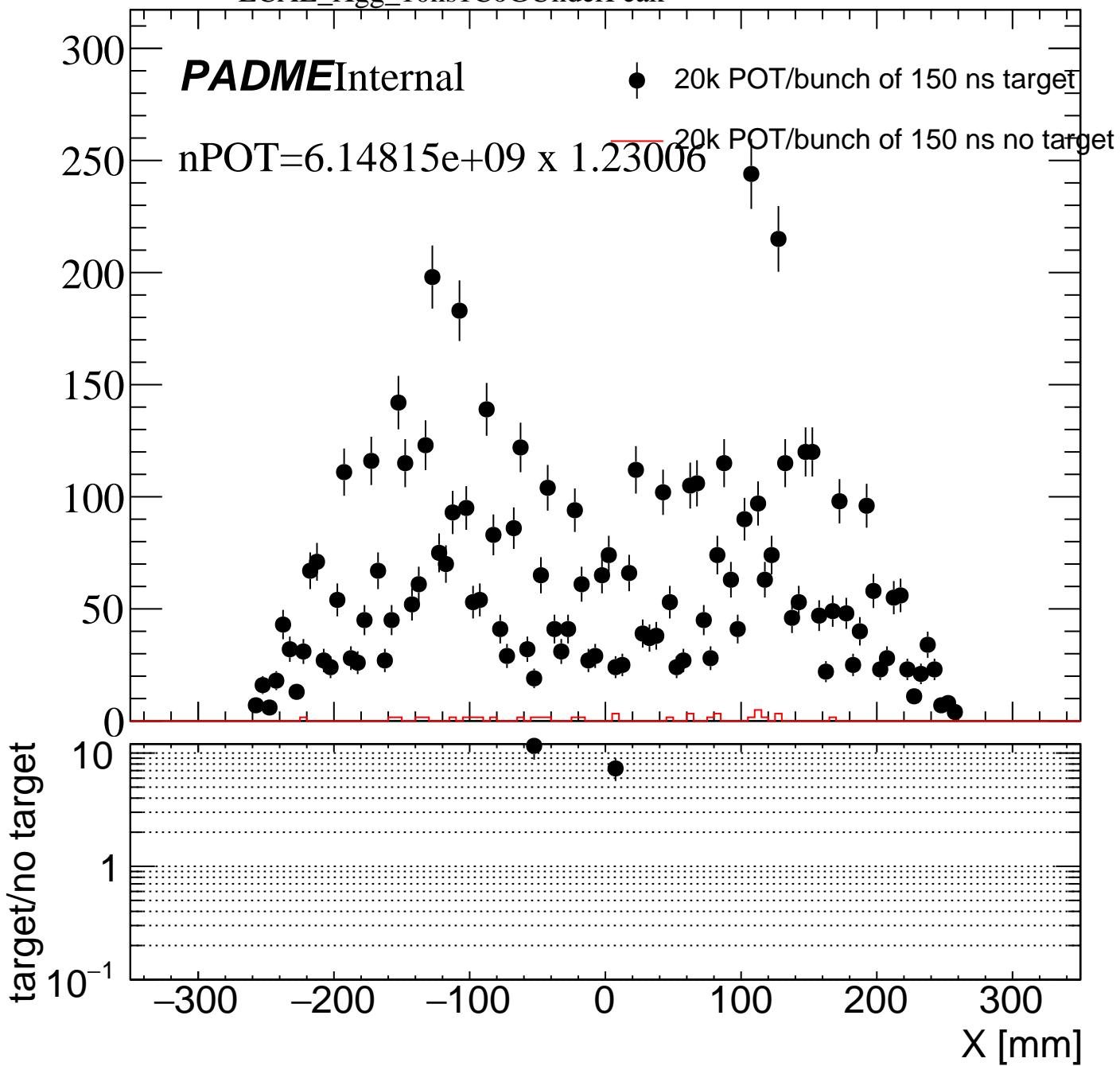
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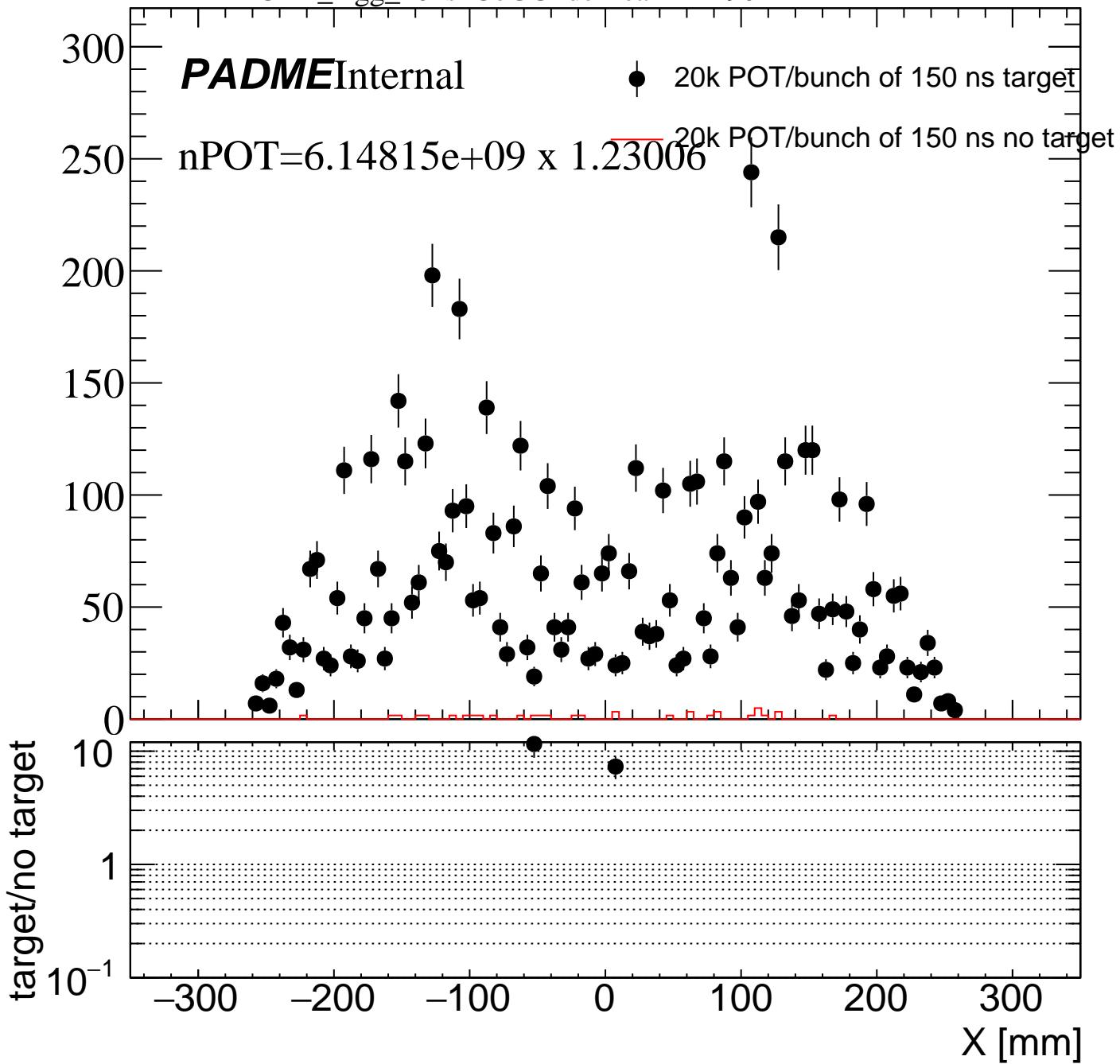
ECAL_Xgg_10ns1CoG



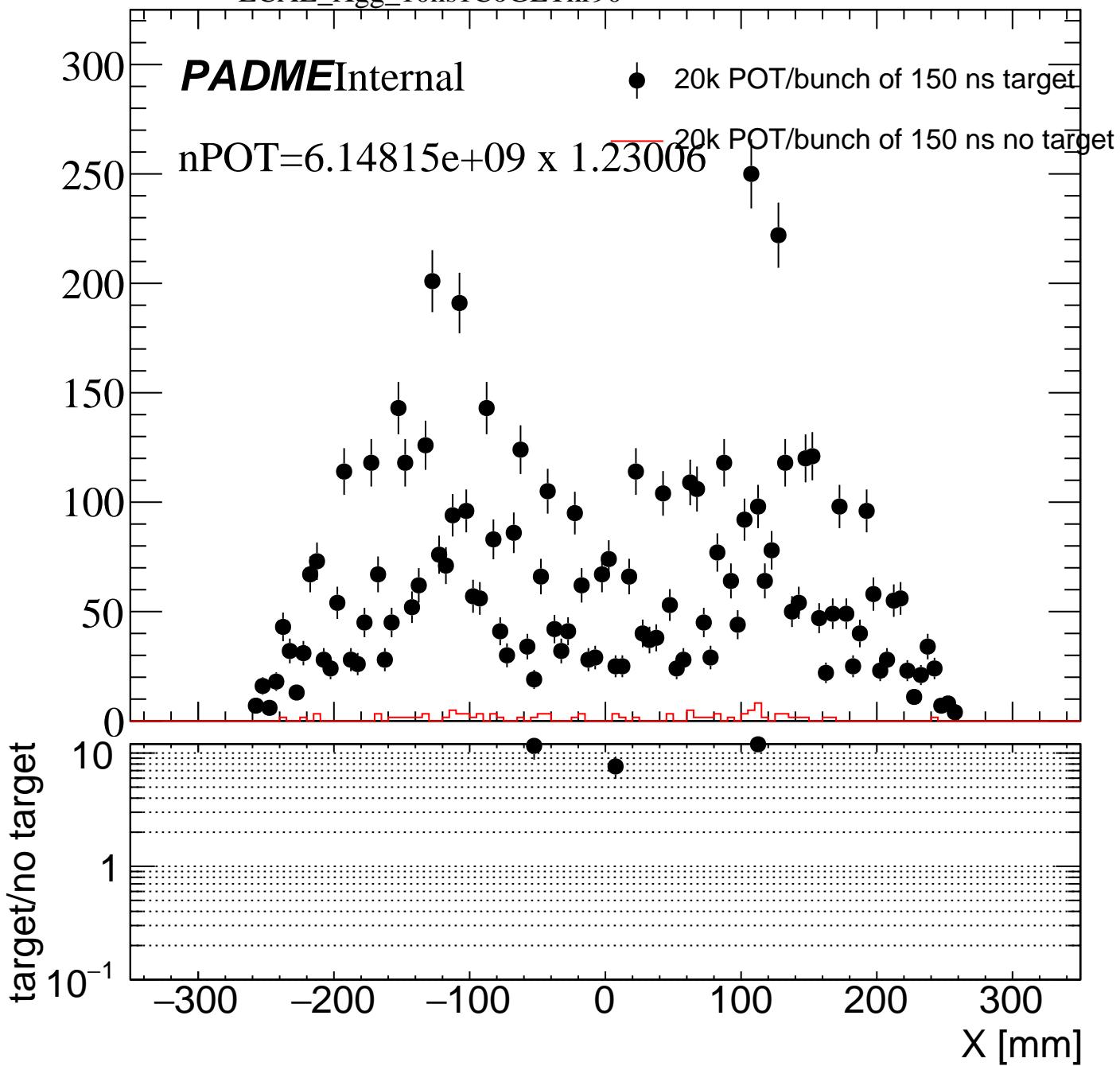
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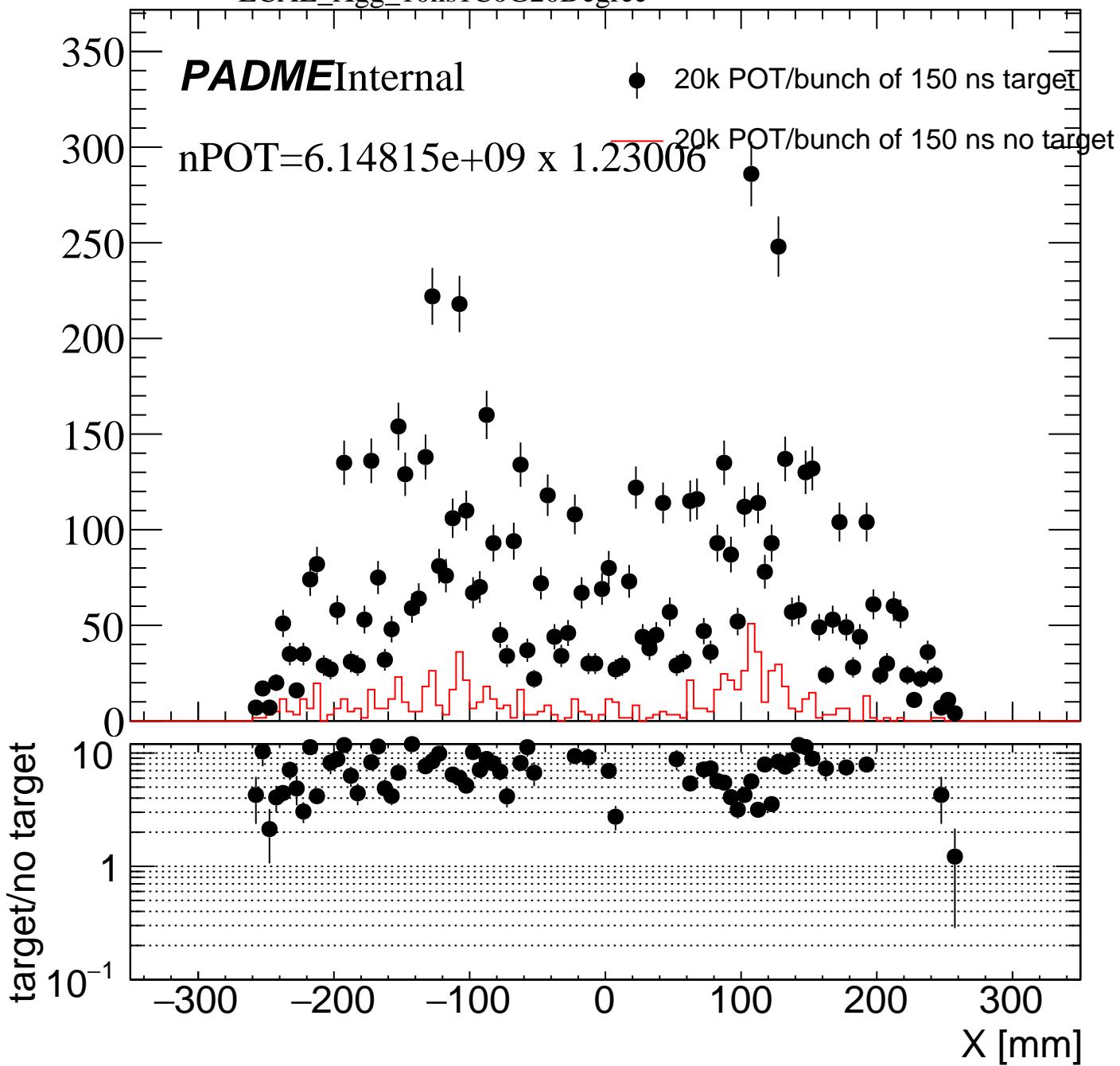
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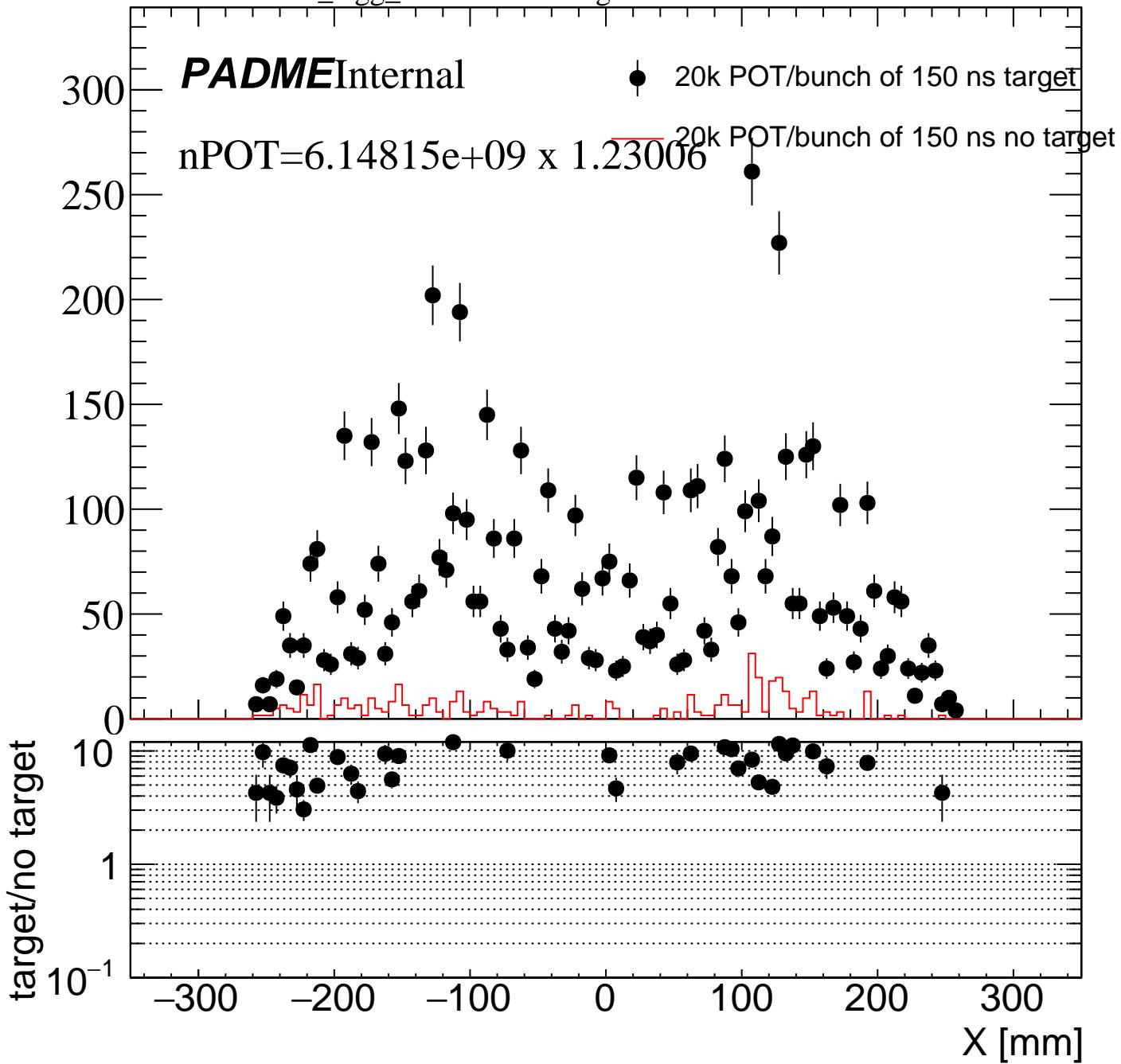
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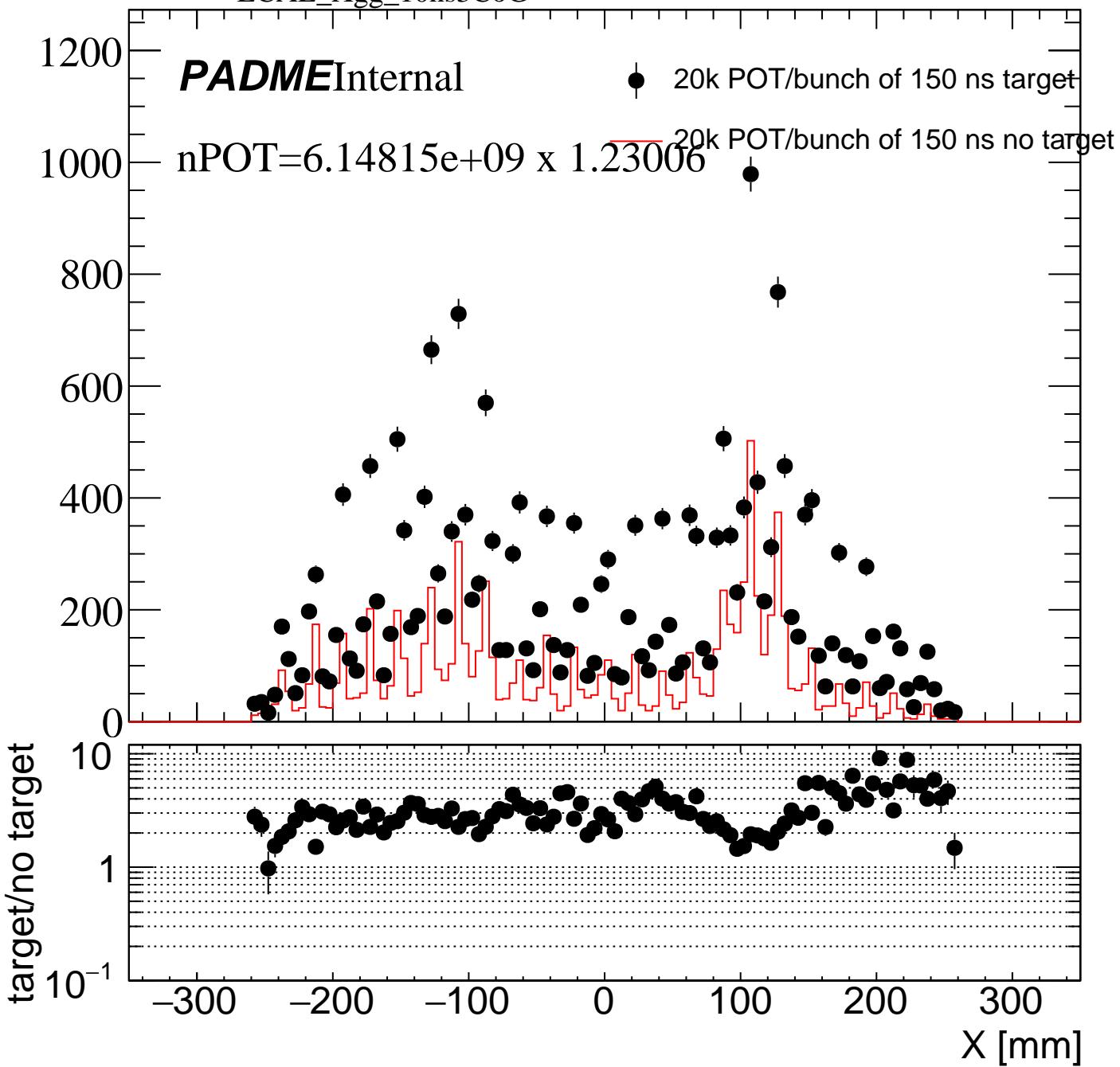
ECAL_Xgg_10ns1CoG20Degree



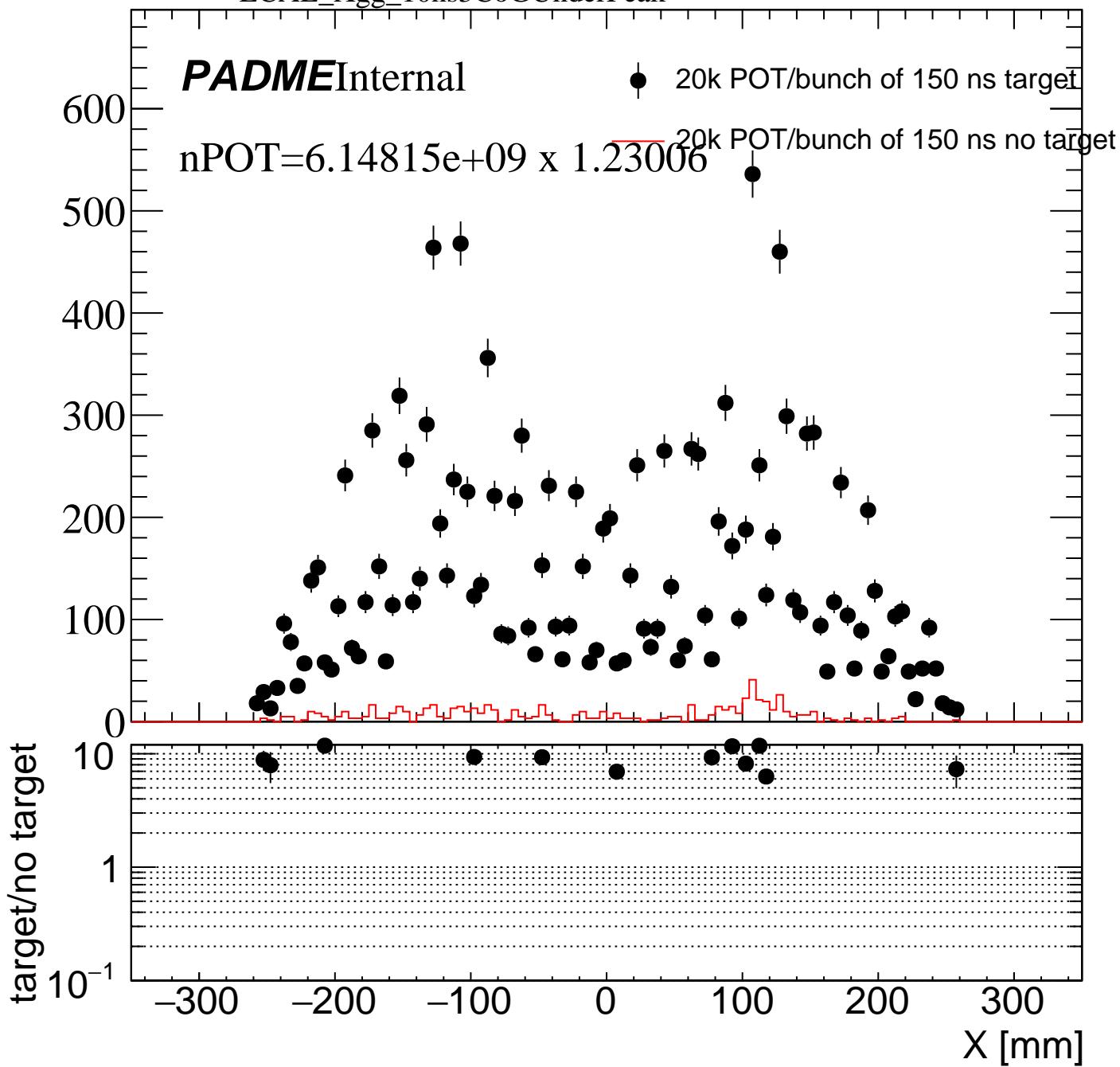
ECAL_Xgg_10ns1CoG20DegreeDeltaTheta



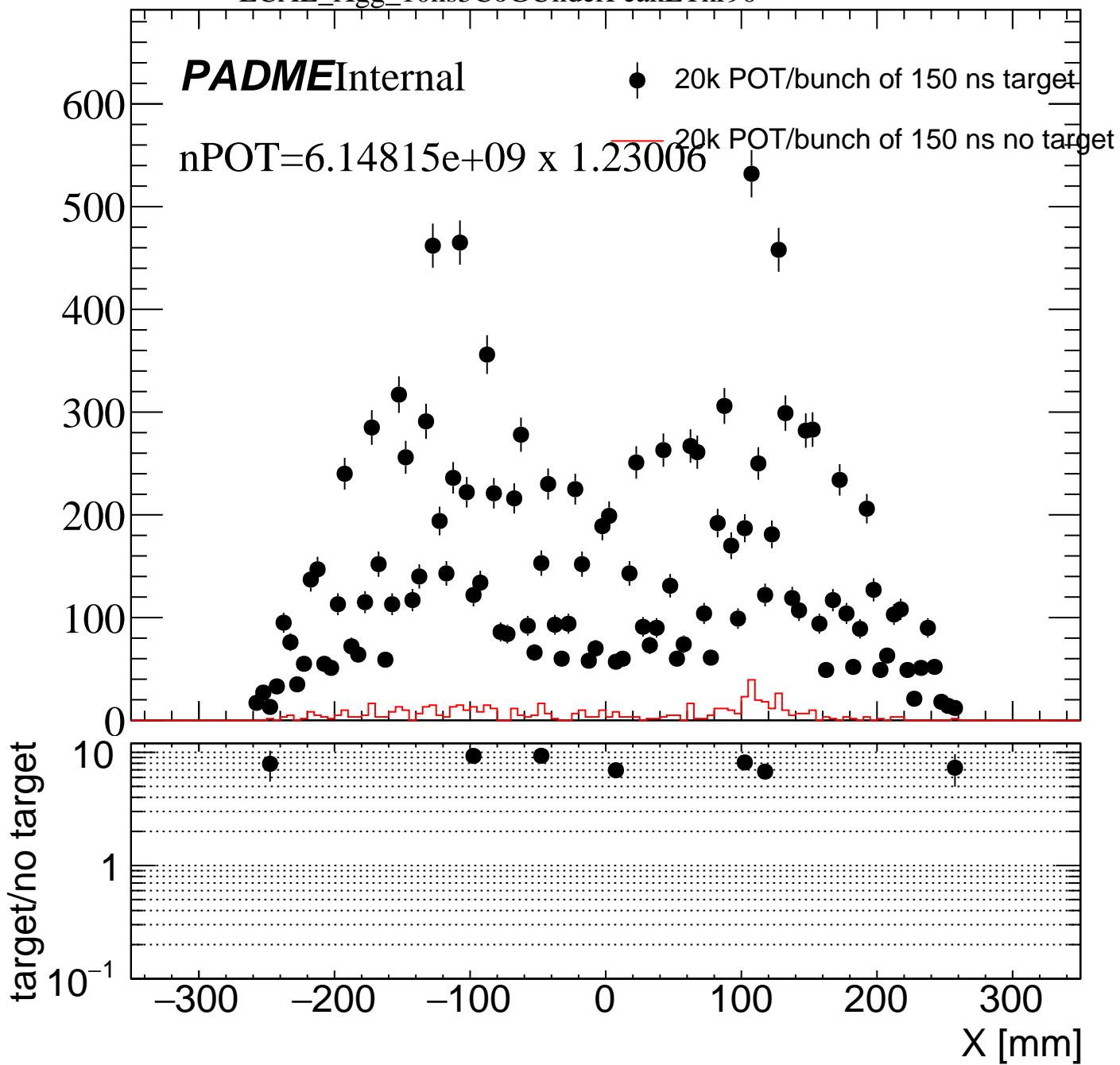
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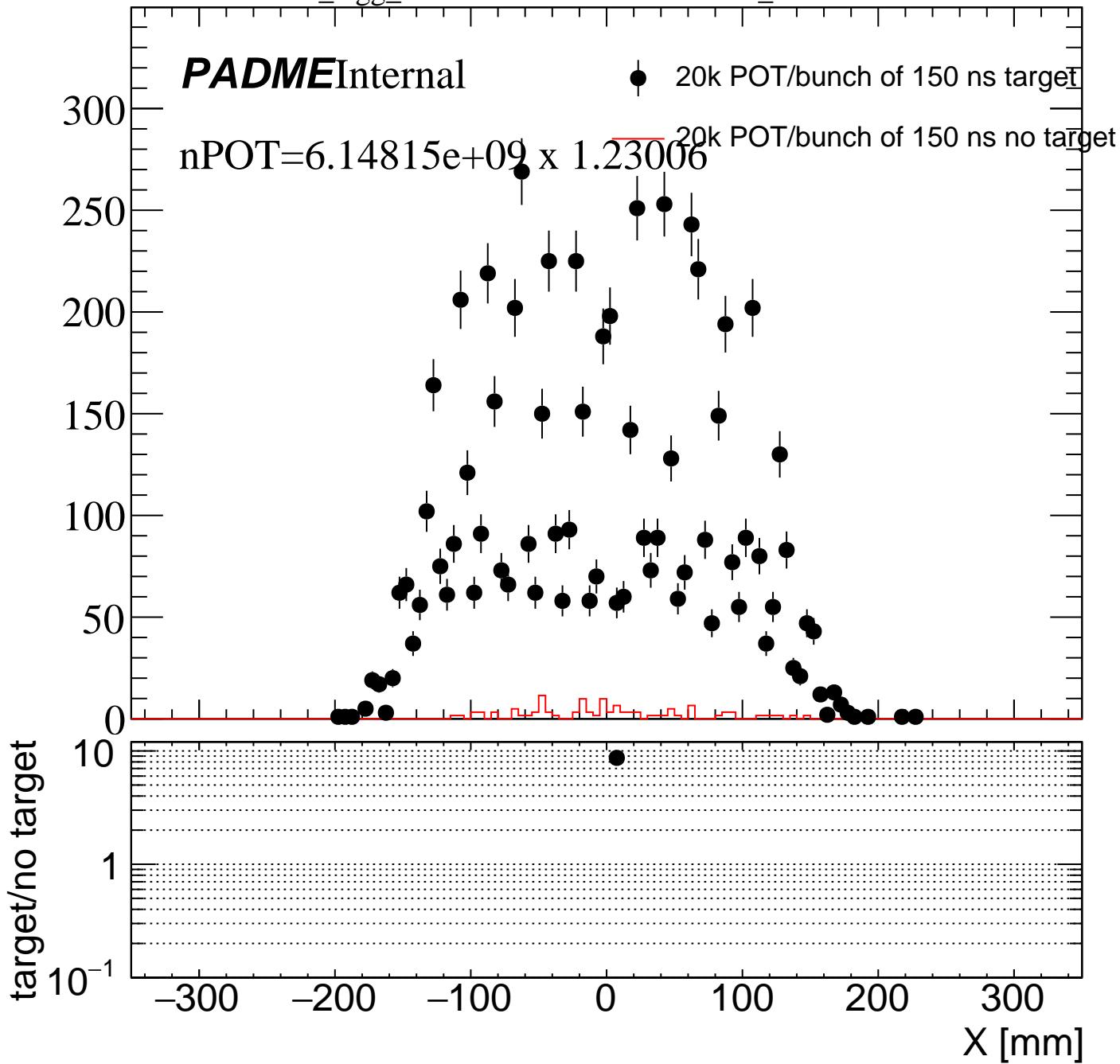
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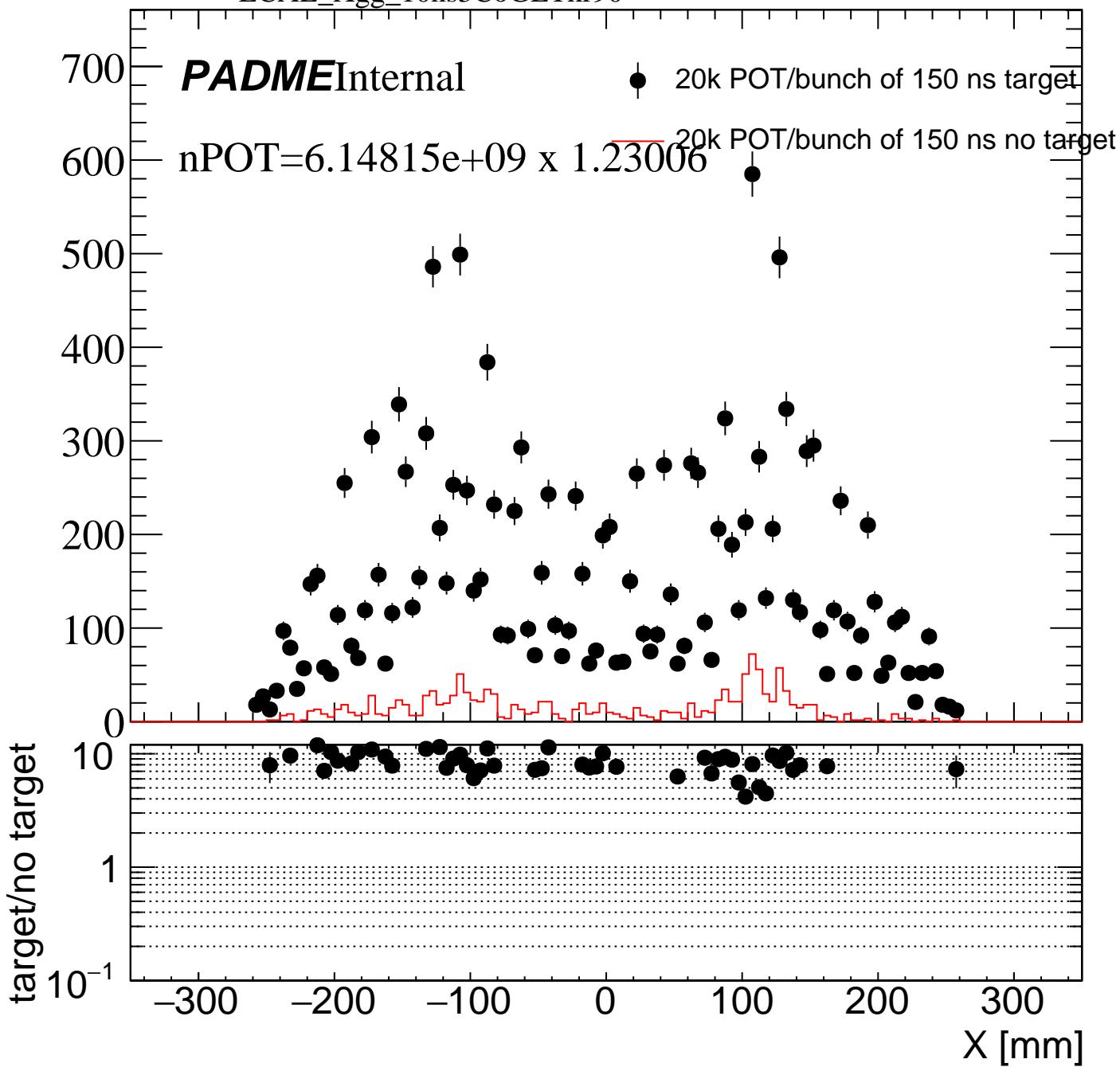
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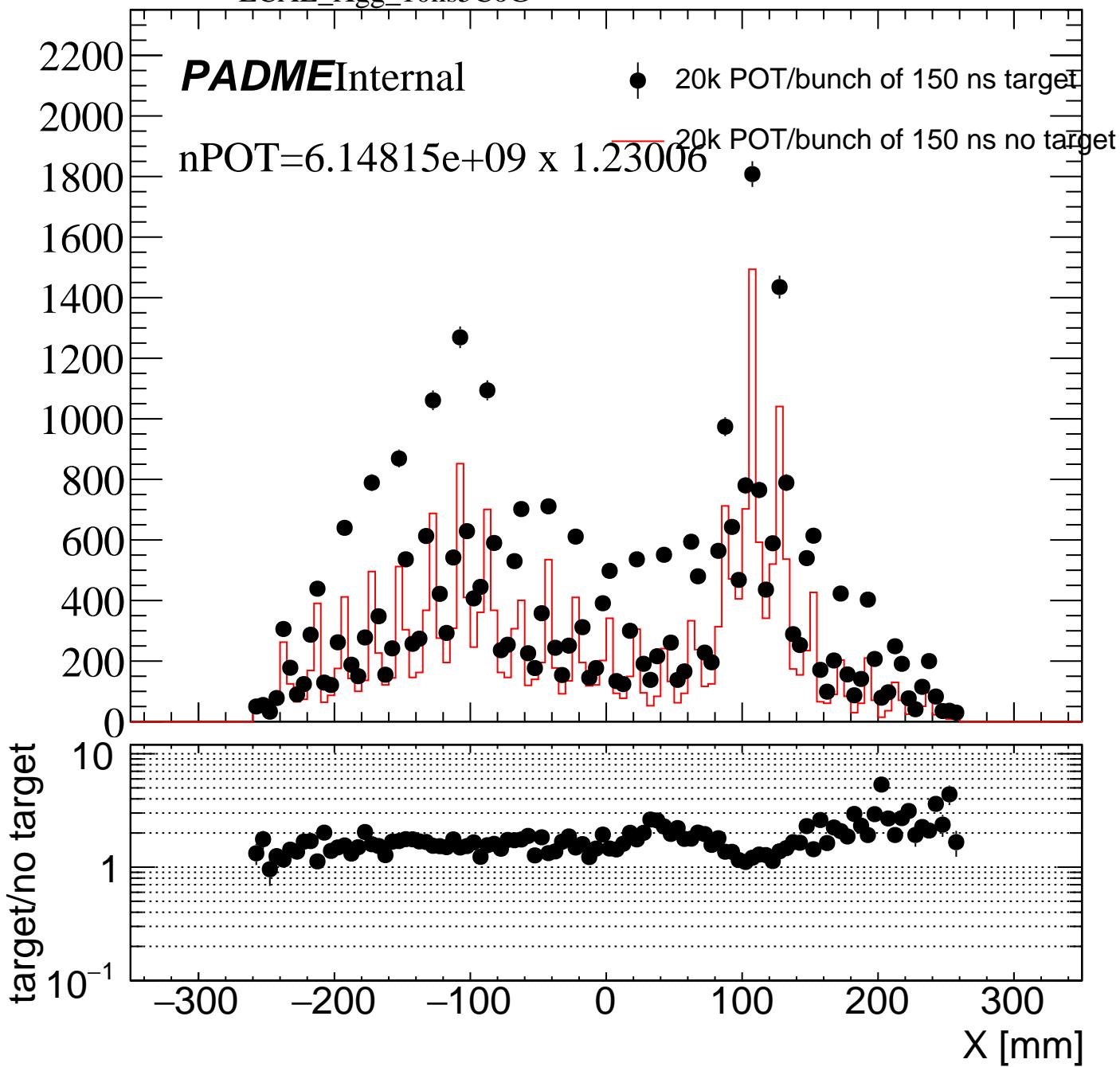
ECAL_Xgg_10ns3CoGUnderPeakEThr90_FRY



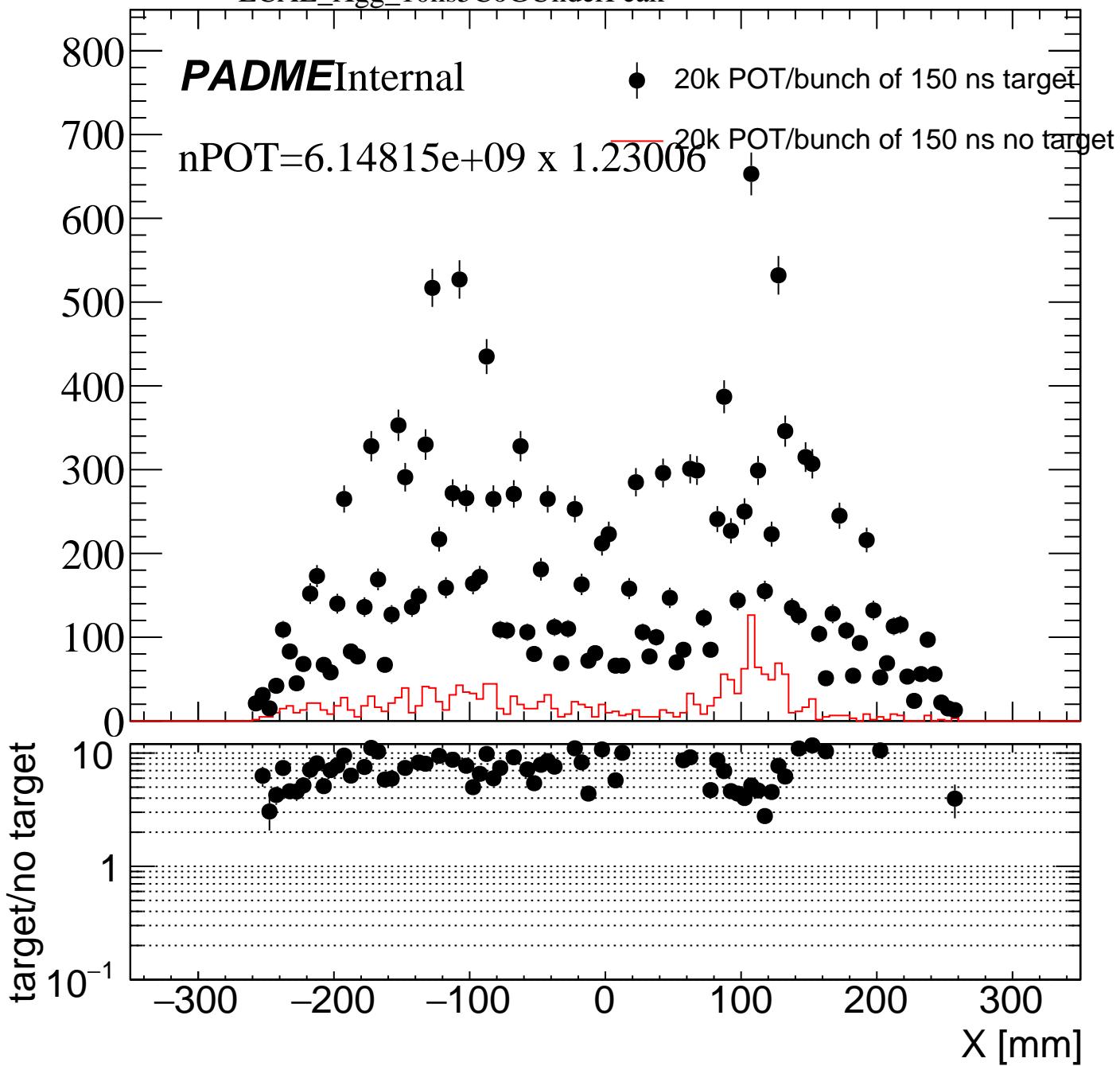
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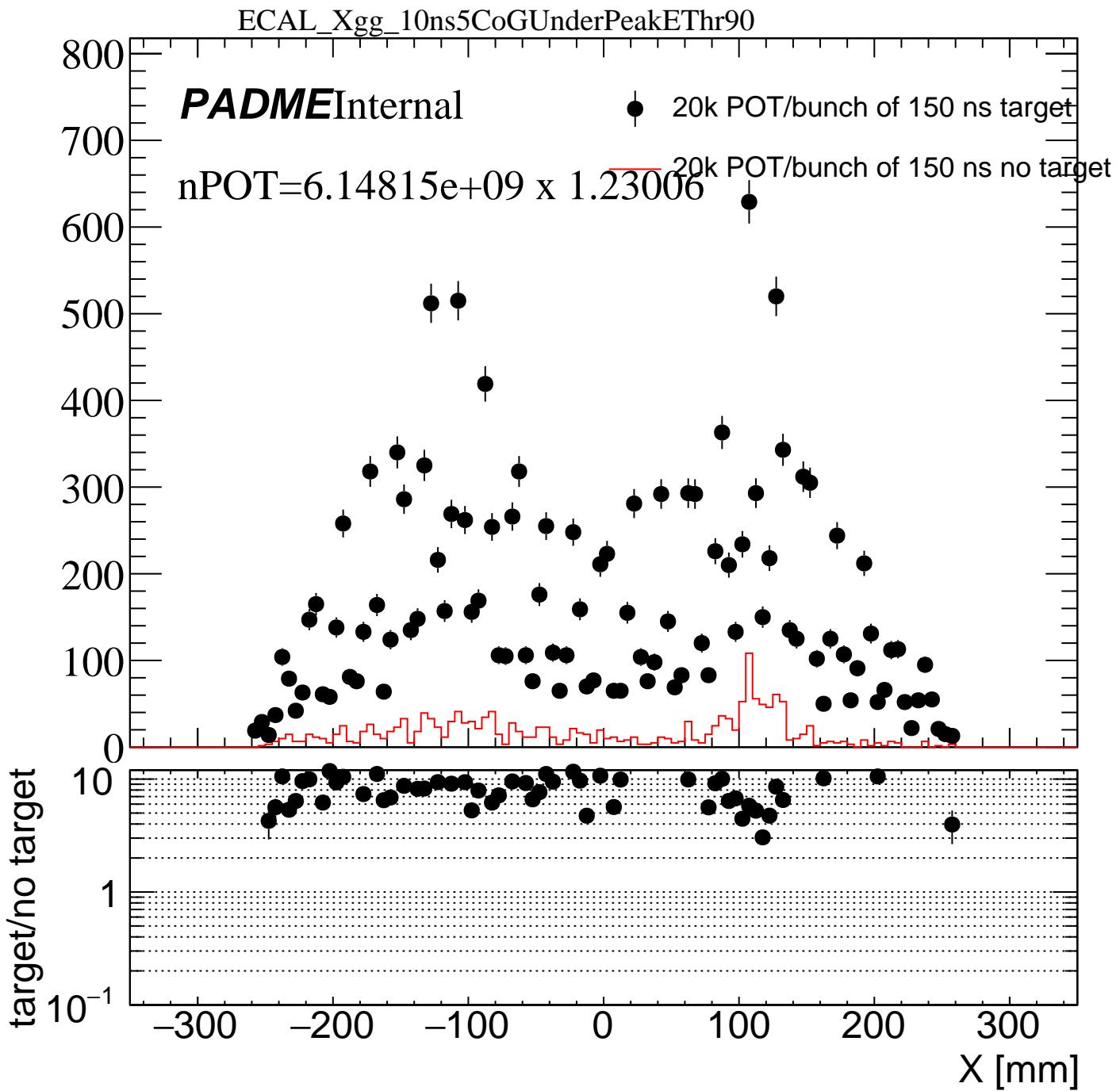


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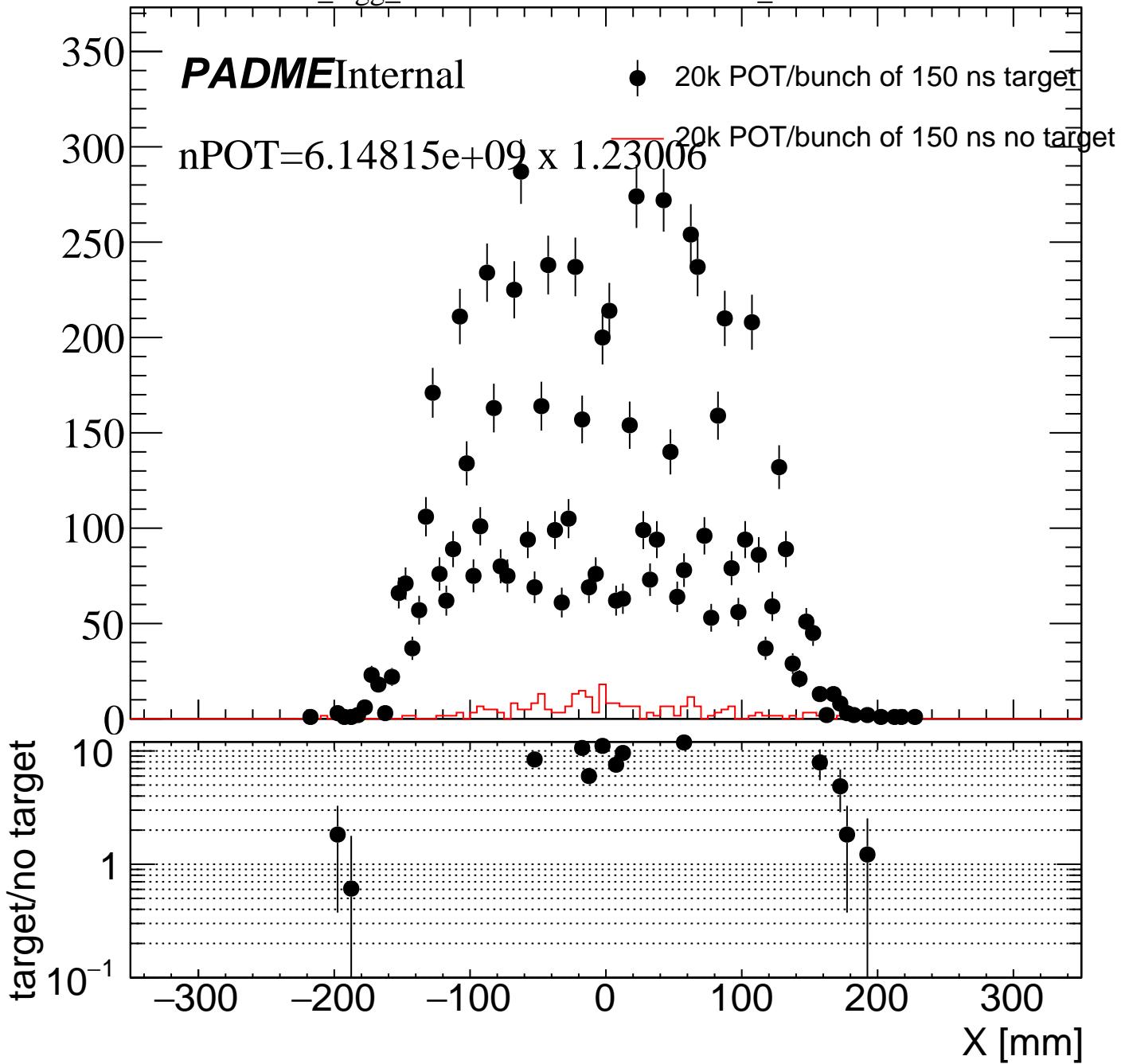


ECAL_Xgg_10ns5CoGUnderPeak

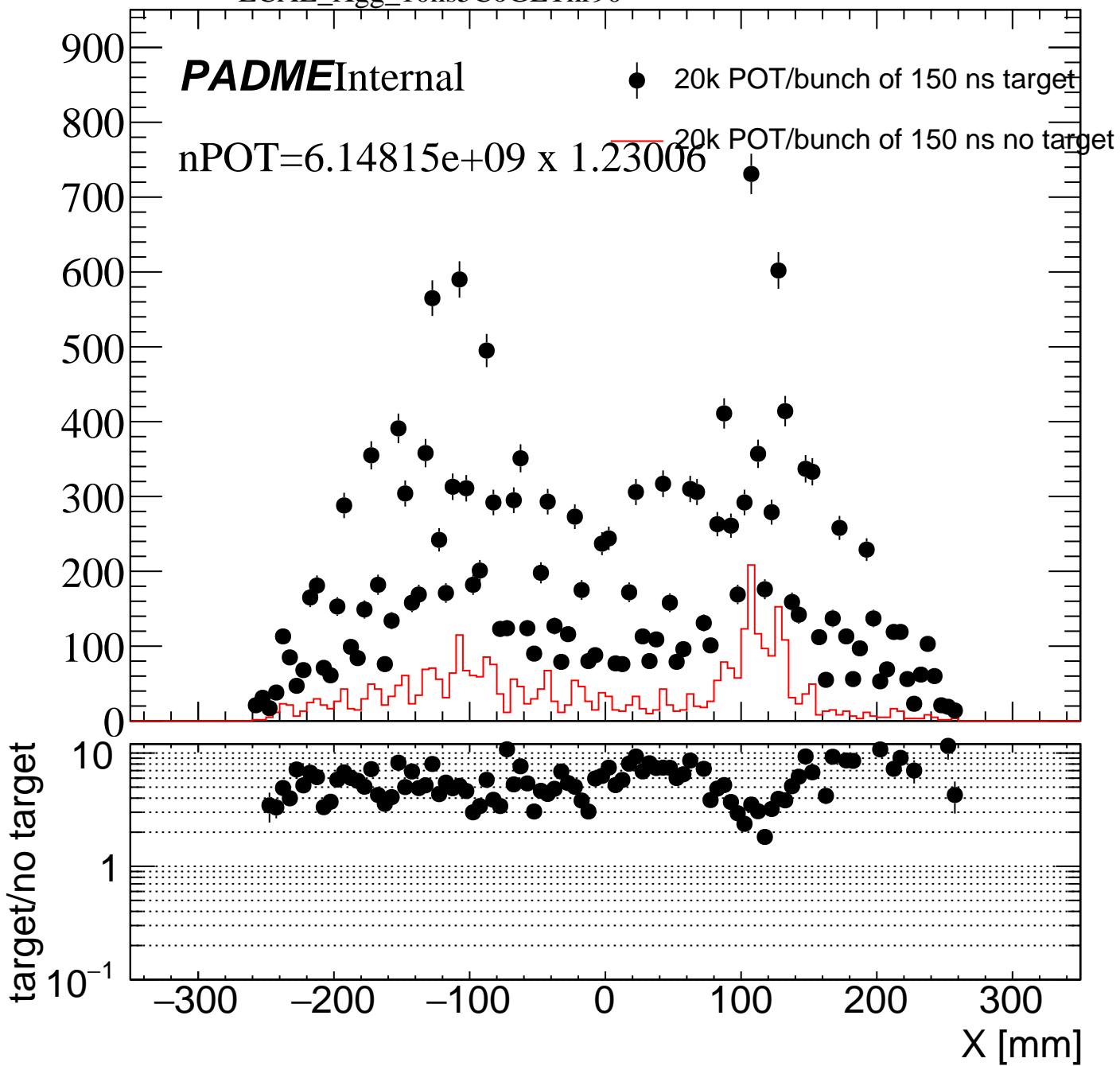




ECAL_Xgg_10ns5CoGUnderPeakEThr90_FRY



ECAL_Xgg_10ns5CoGEThr90



ECAL_Ygg_10ns

10000

PADME Internal

• 20k POT/bunch of 150 ns target

8000

nPOT=6.14815e+09 x 1.23006

20k POT/bunch of 150 ns no target

6000

4000

2000

0

target/no target

10

1

10⁻¹

-300

-200

-100

0

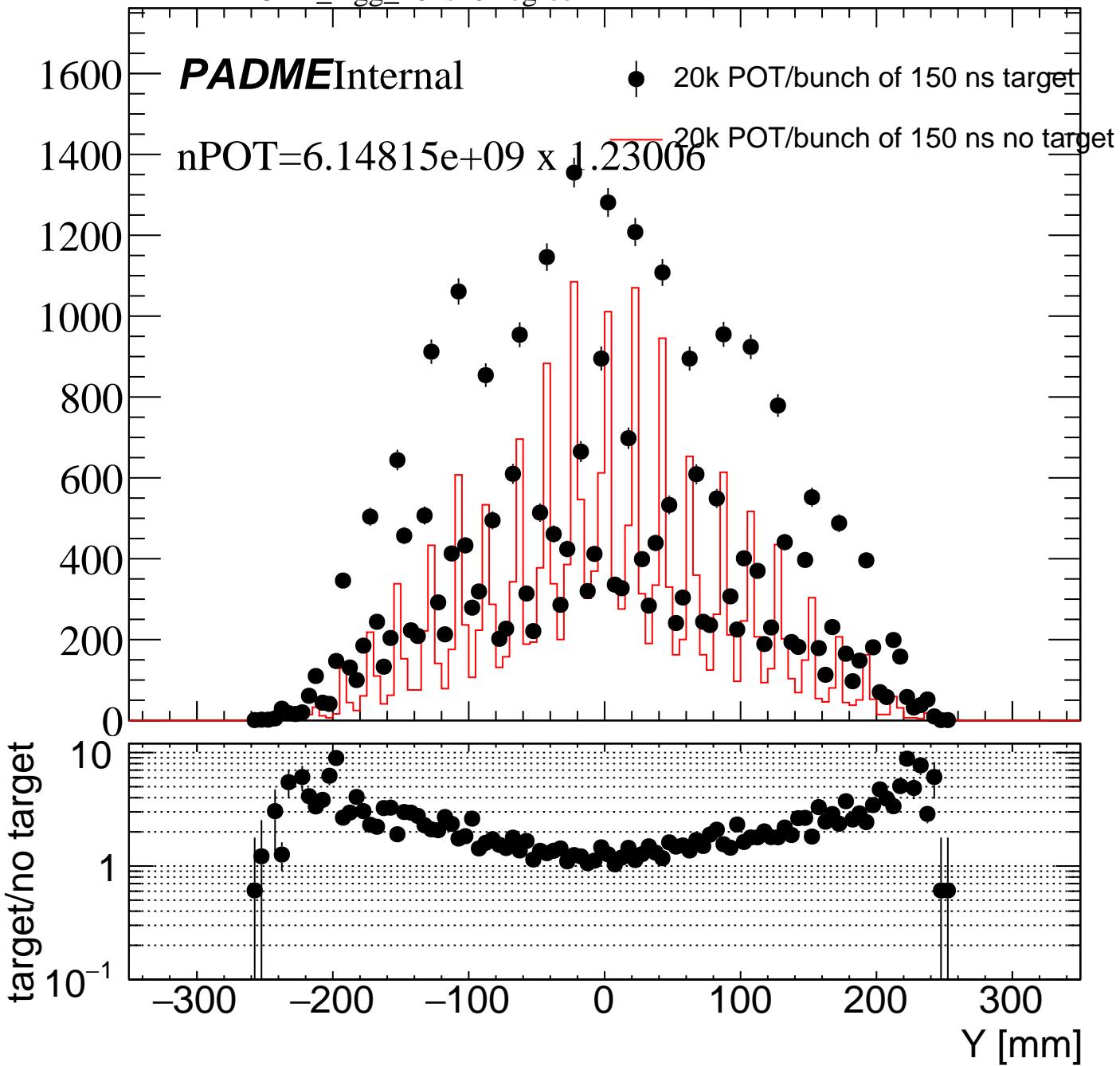
100

200

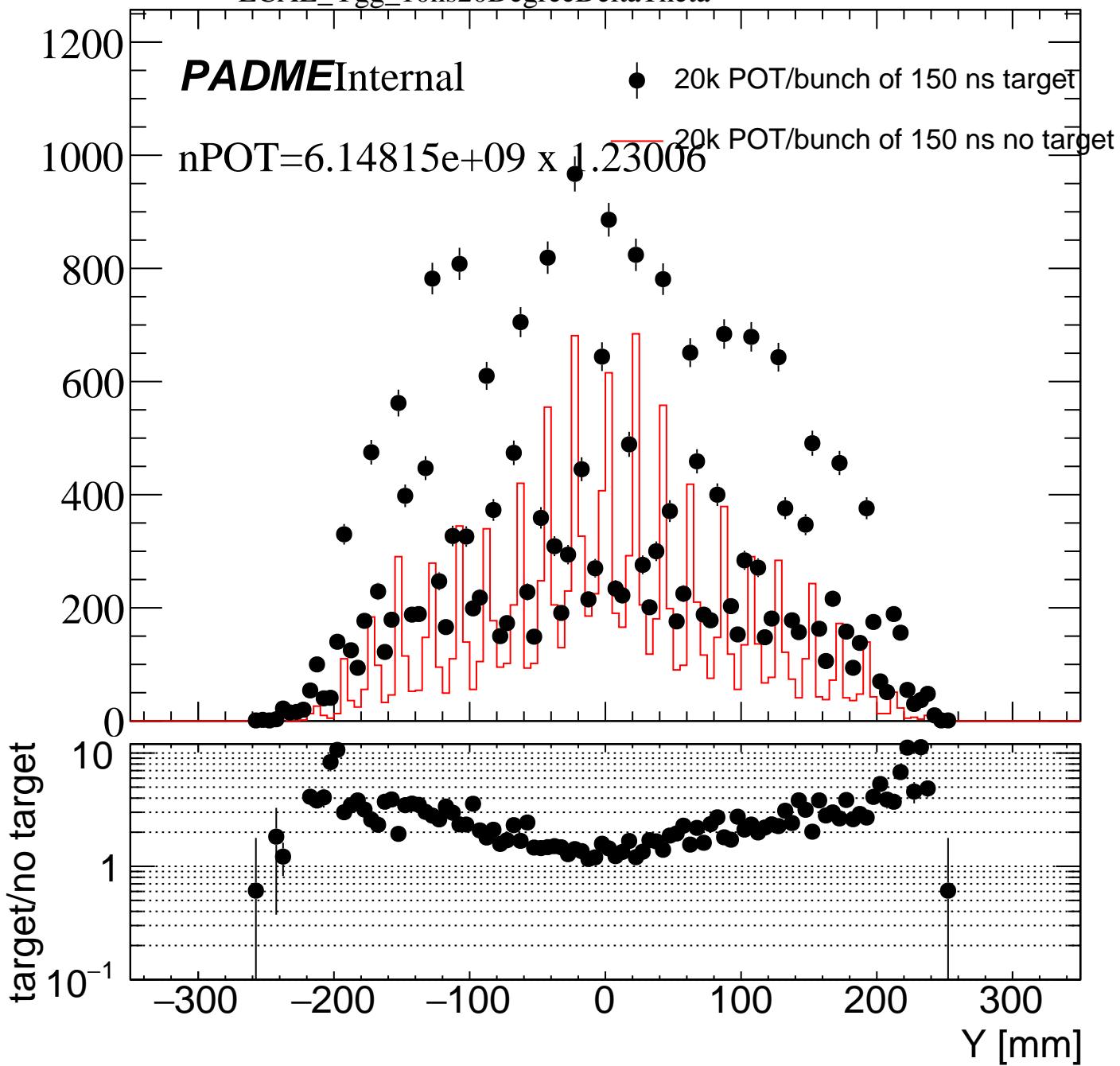
300

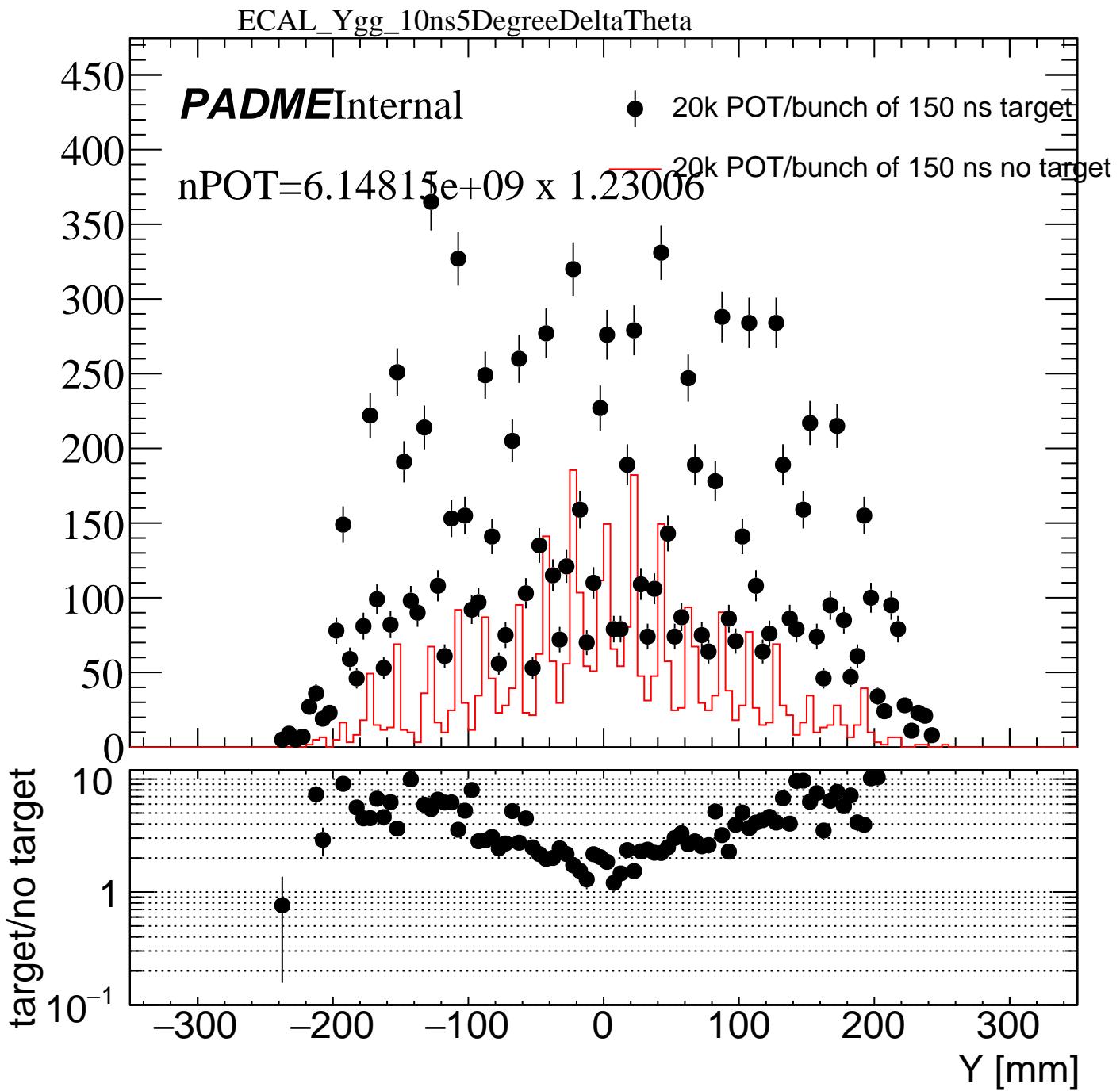
Y [mm]

ECAL_Ygg_10ns20Degree

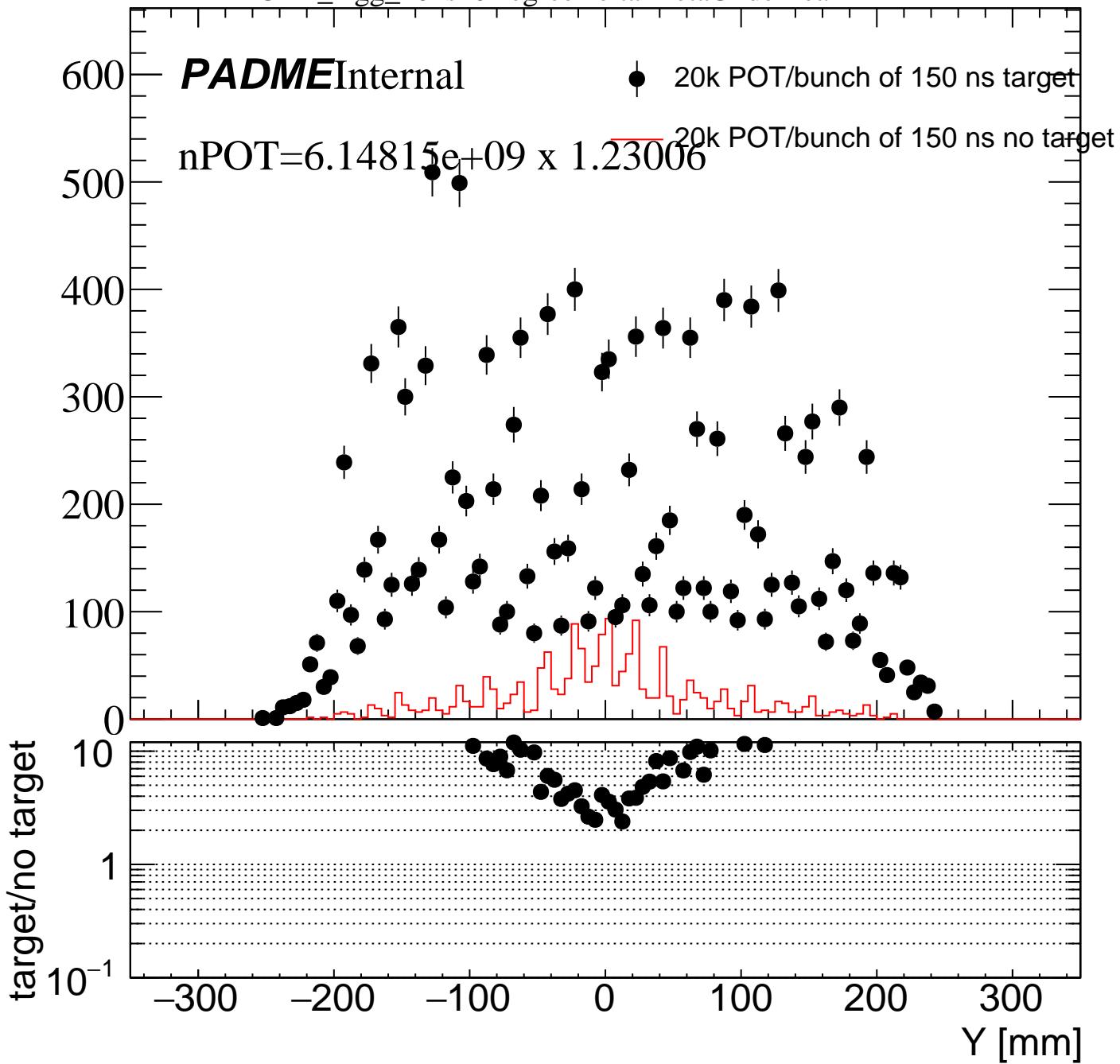


ECAL_Ygg_10ns20DegreeDeltaTheta

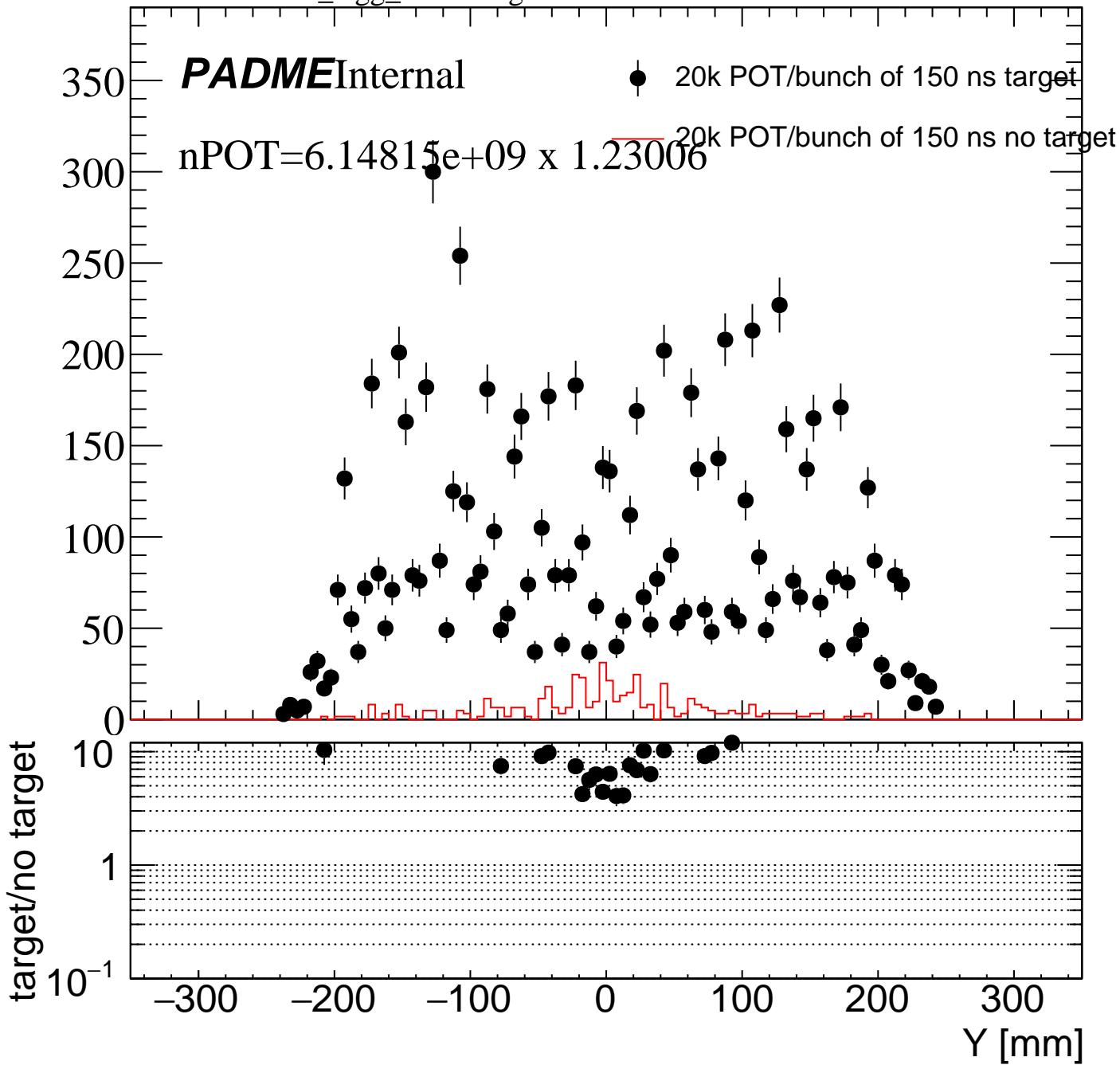




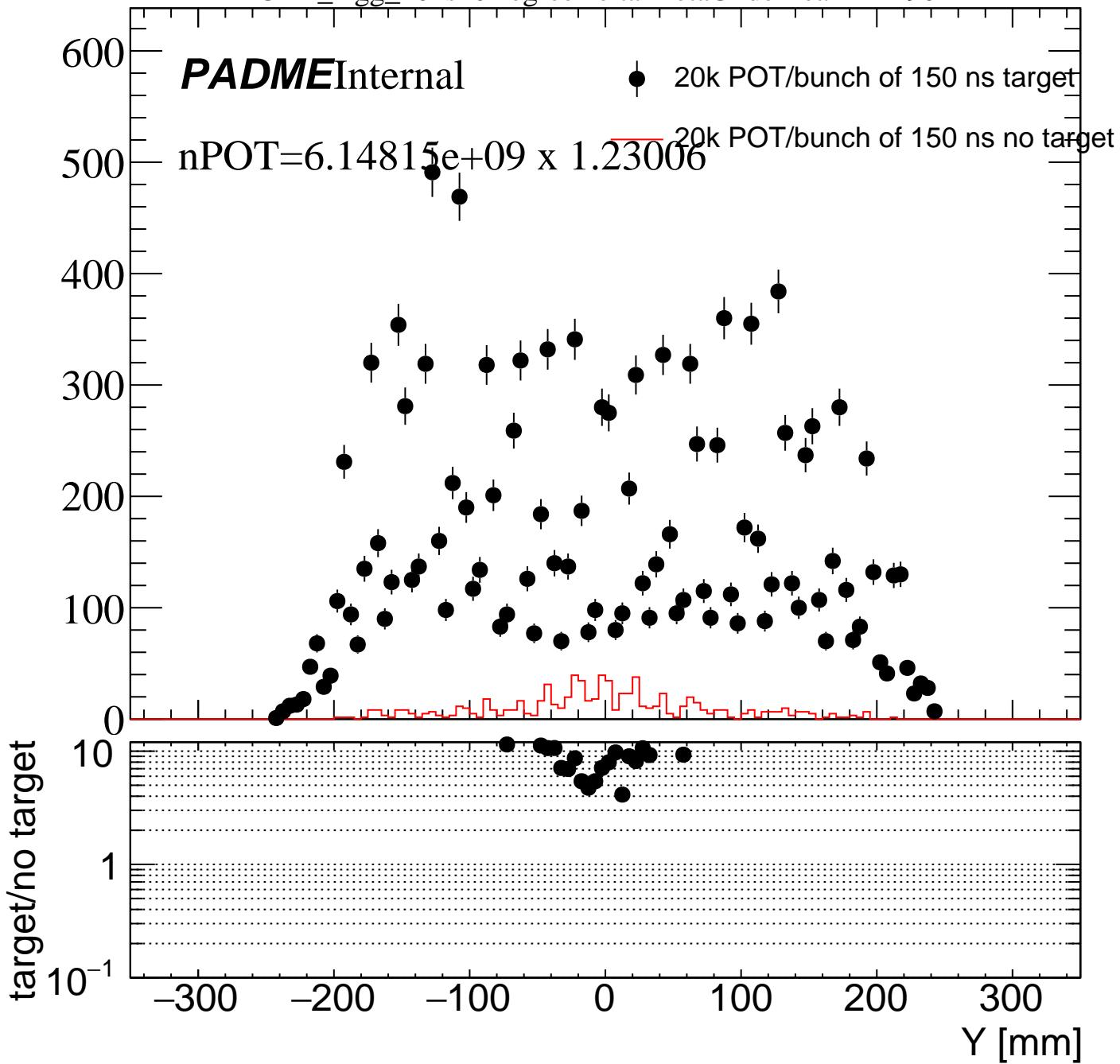
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak

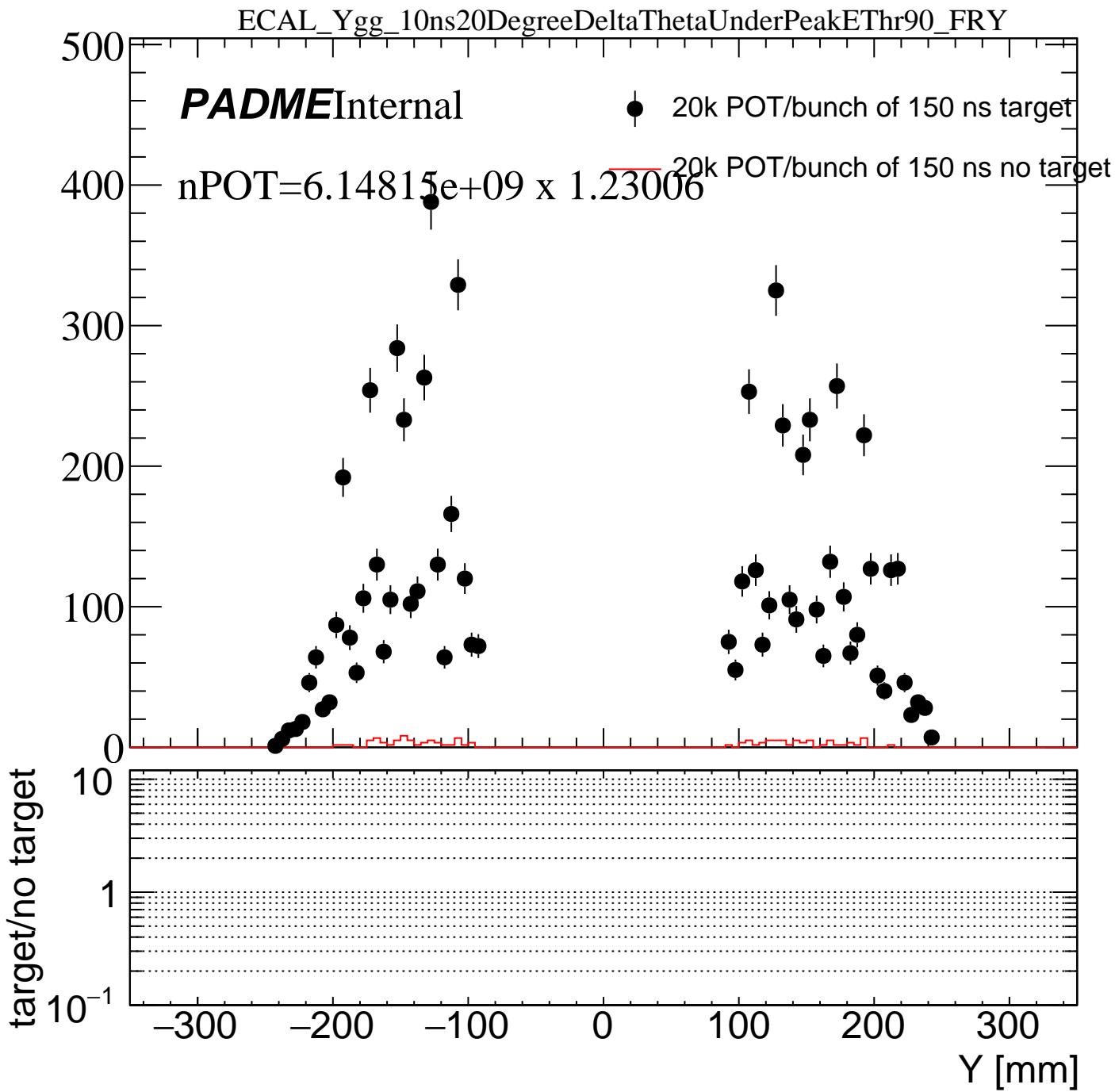


ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak

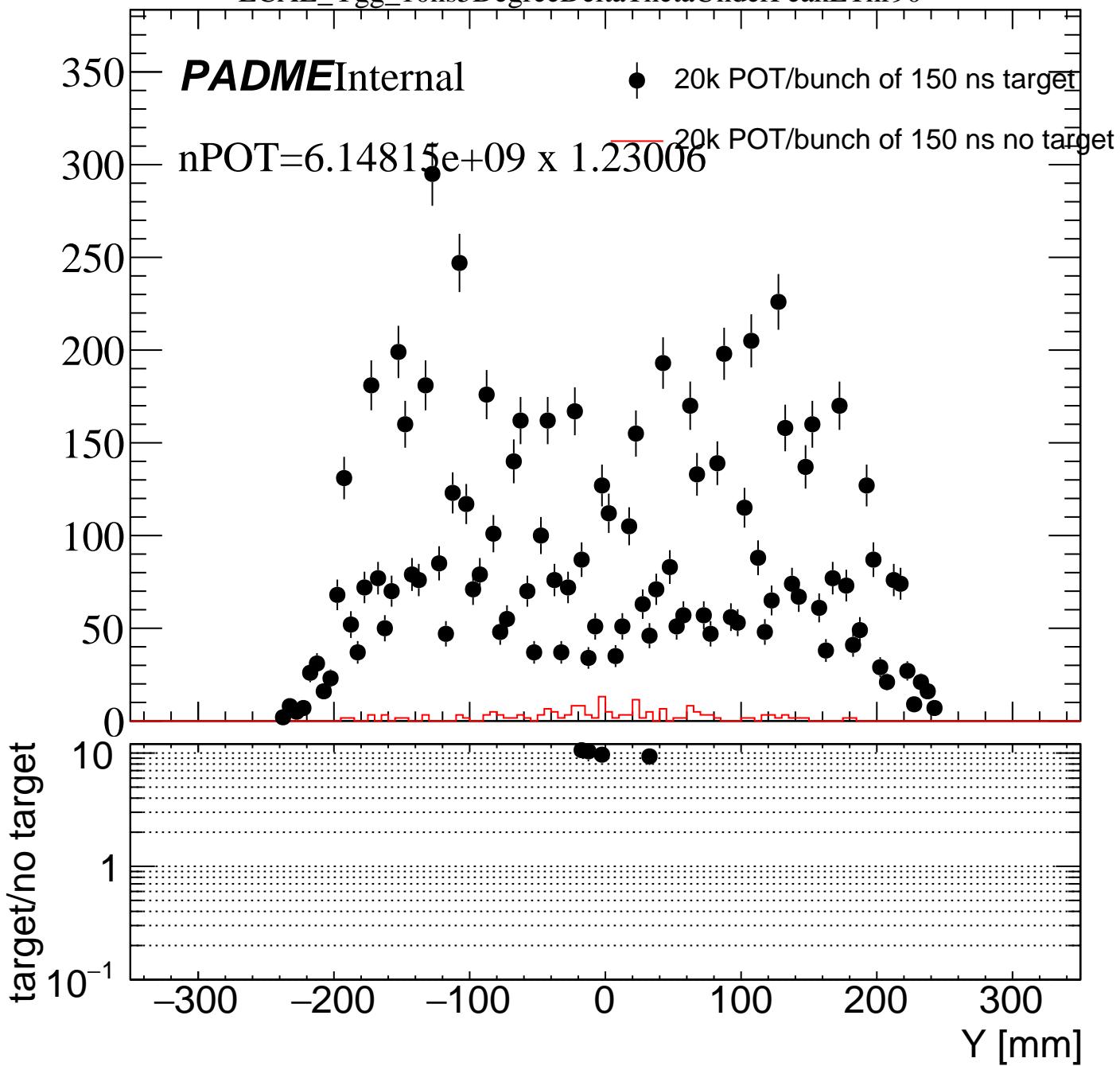


ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90

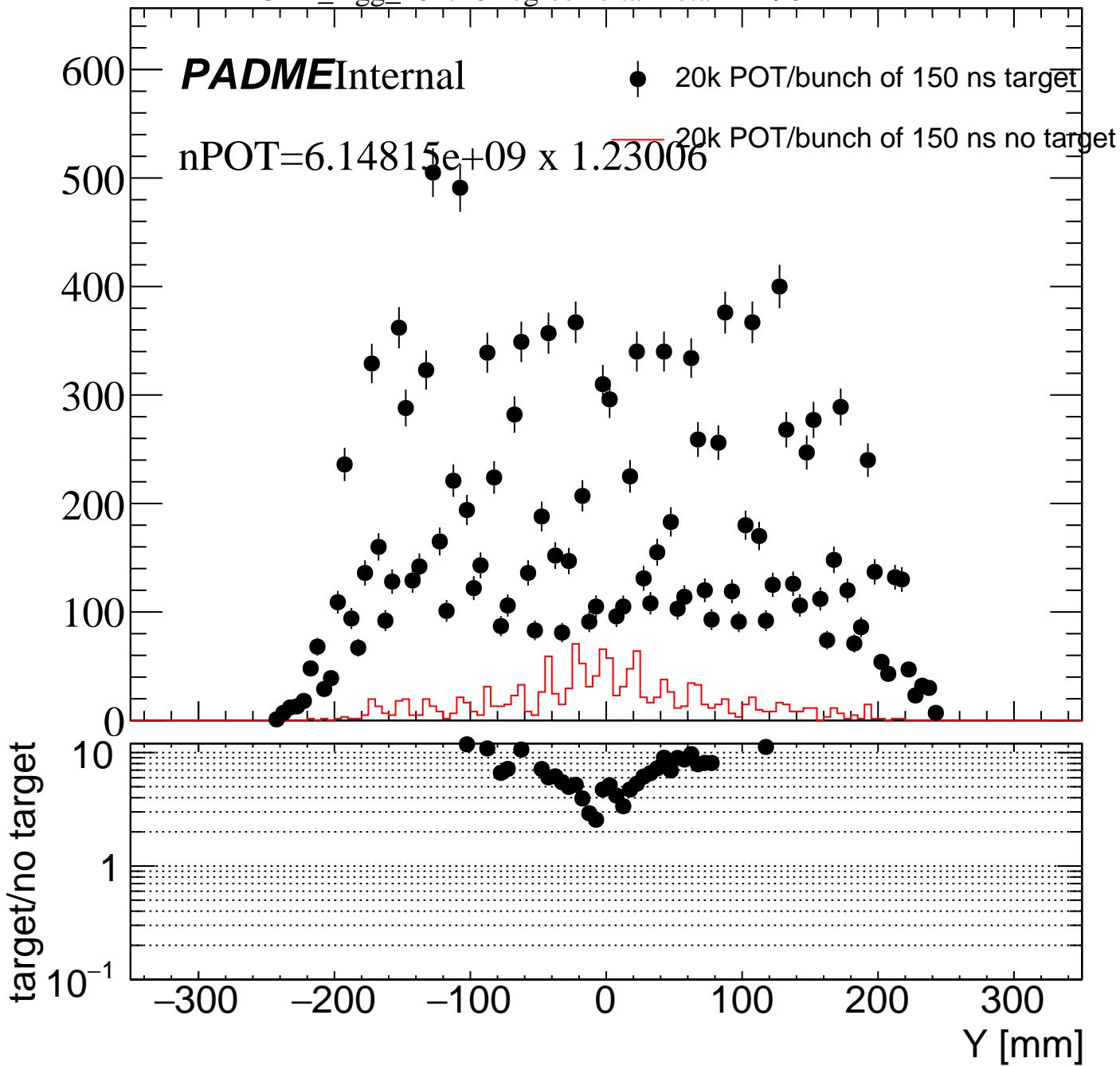




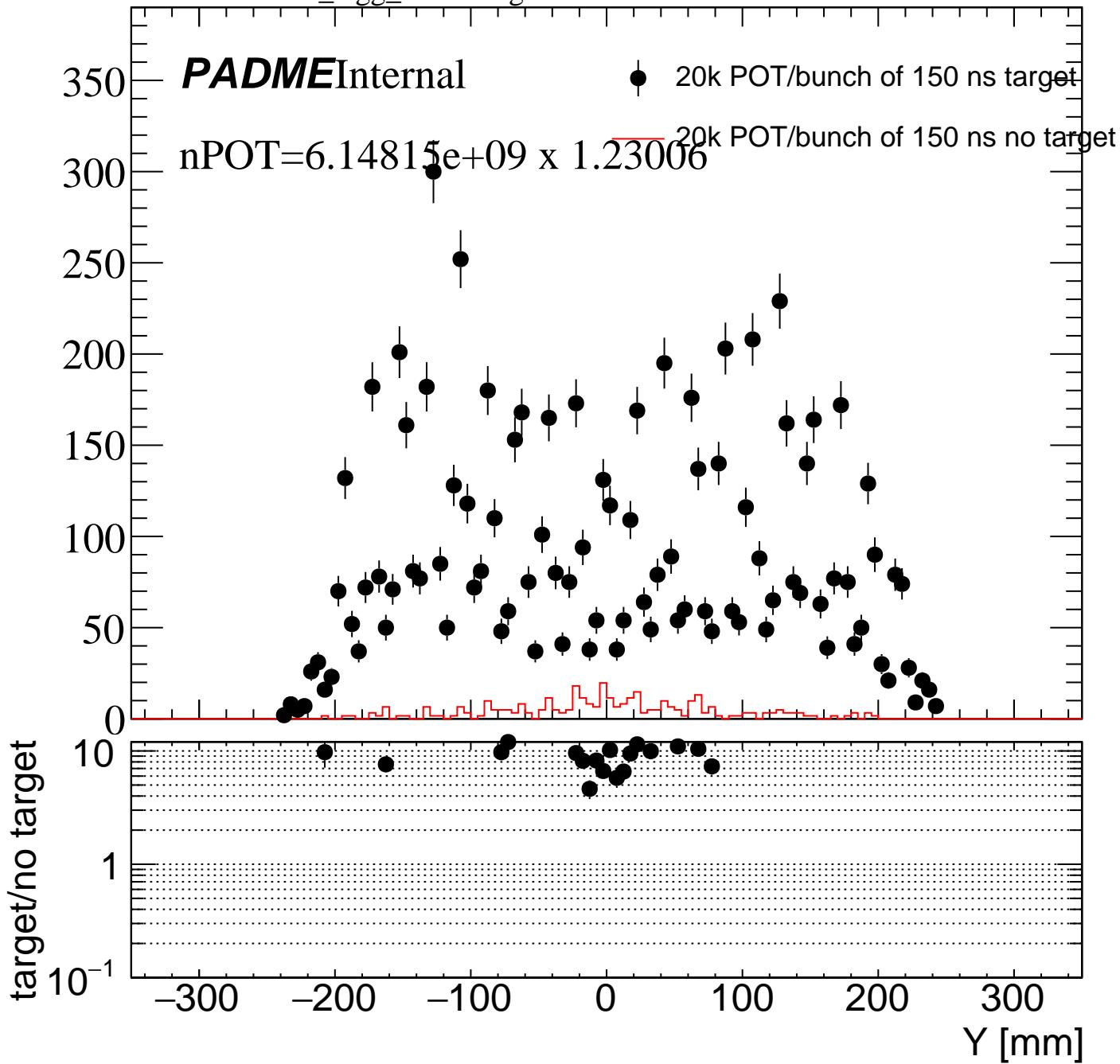
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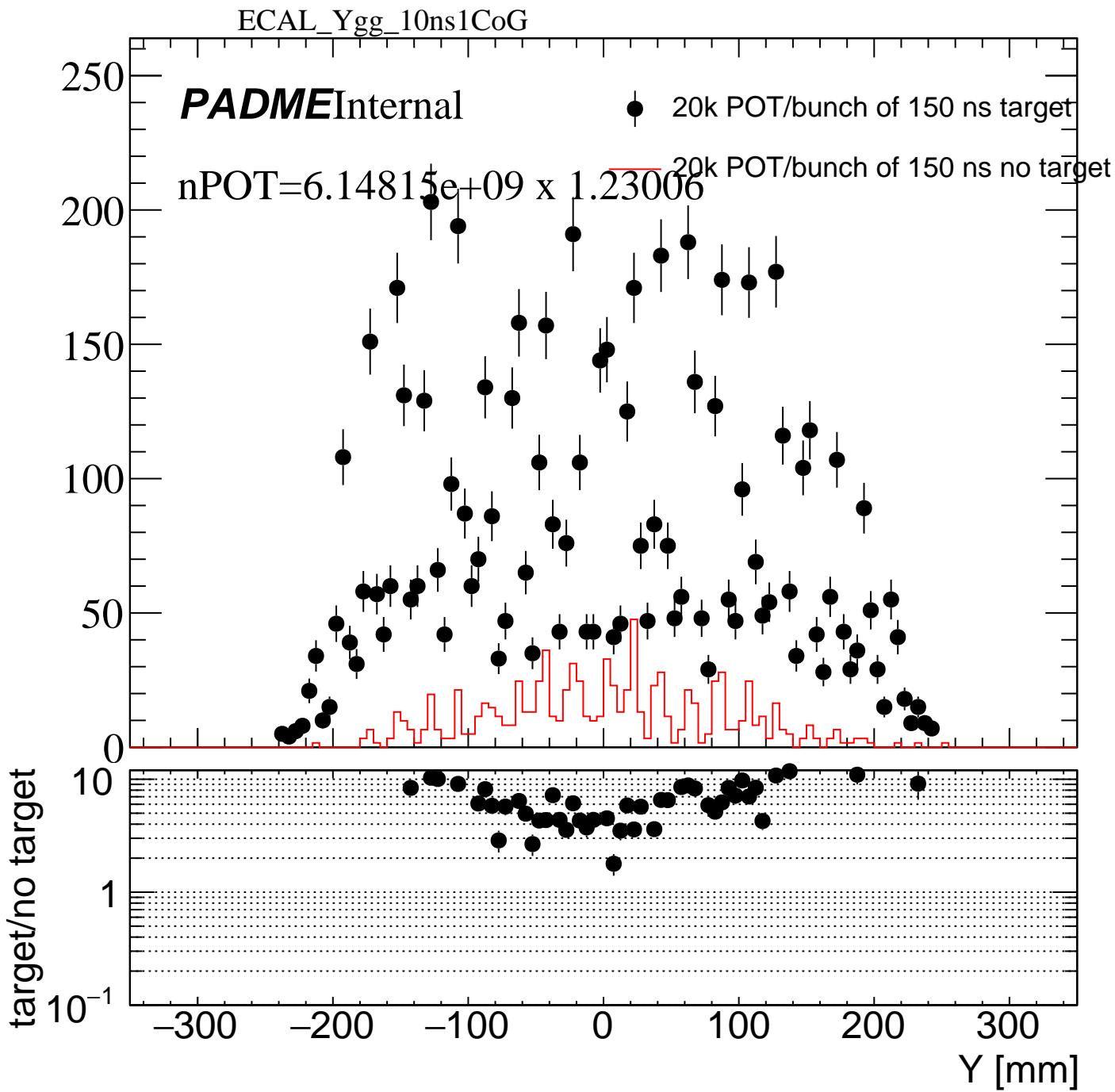


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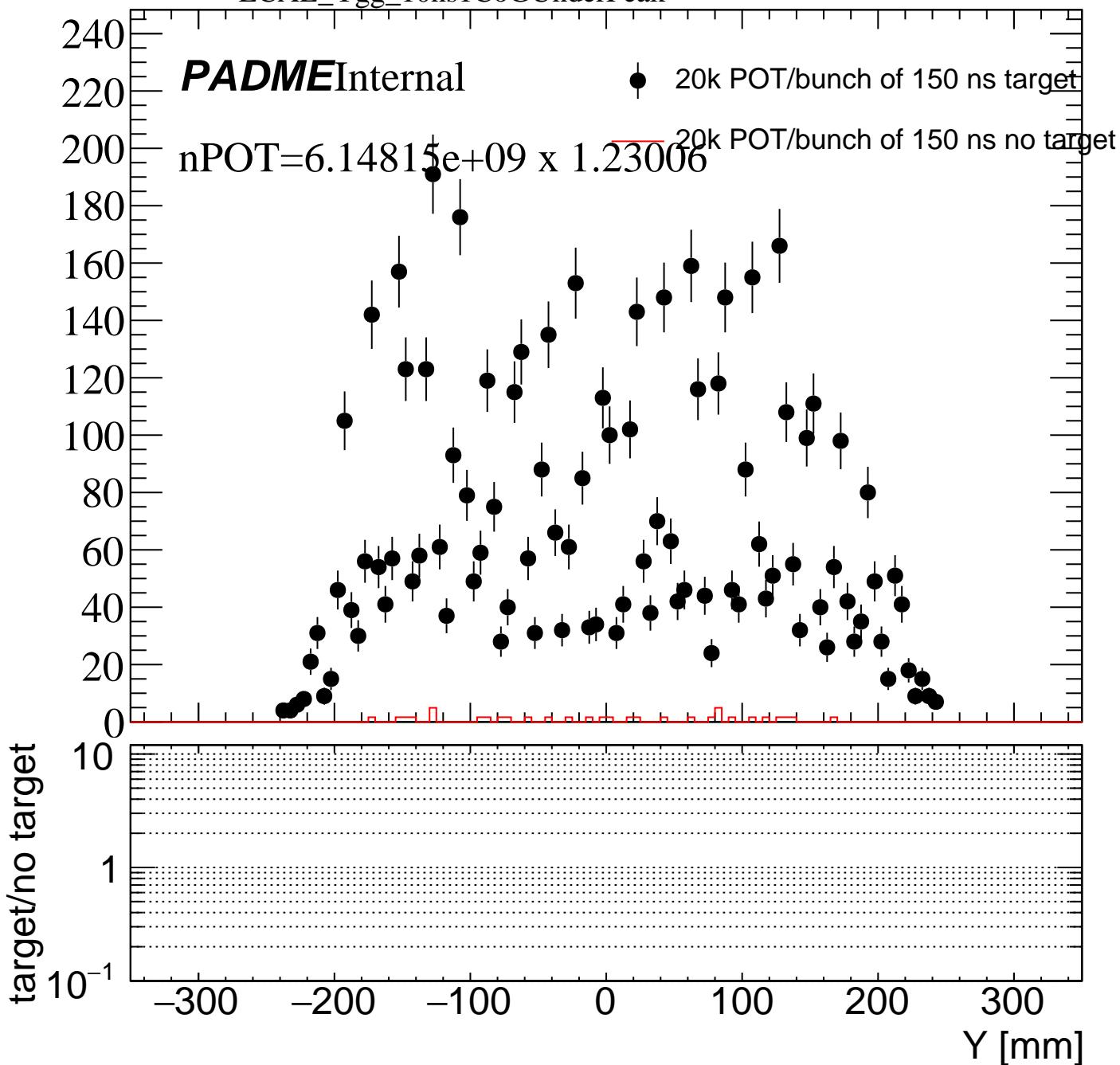


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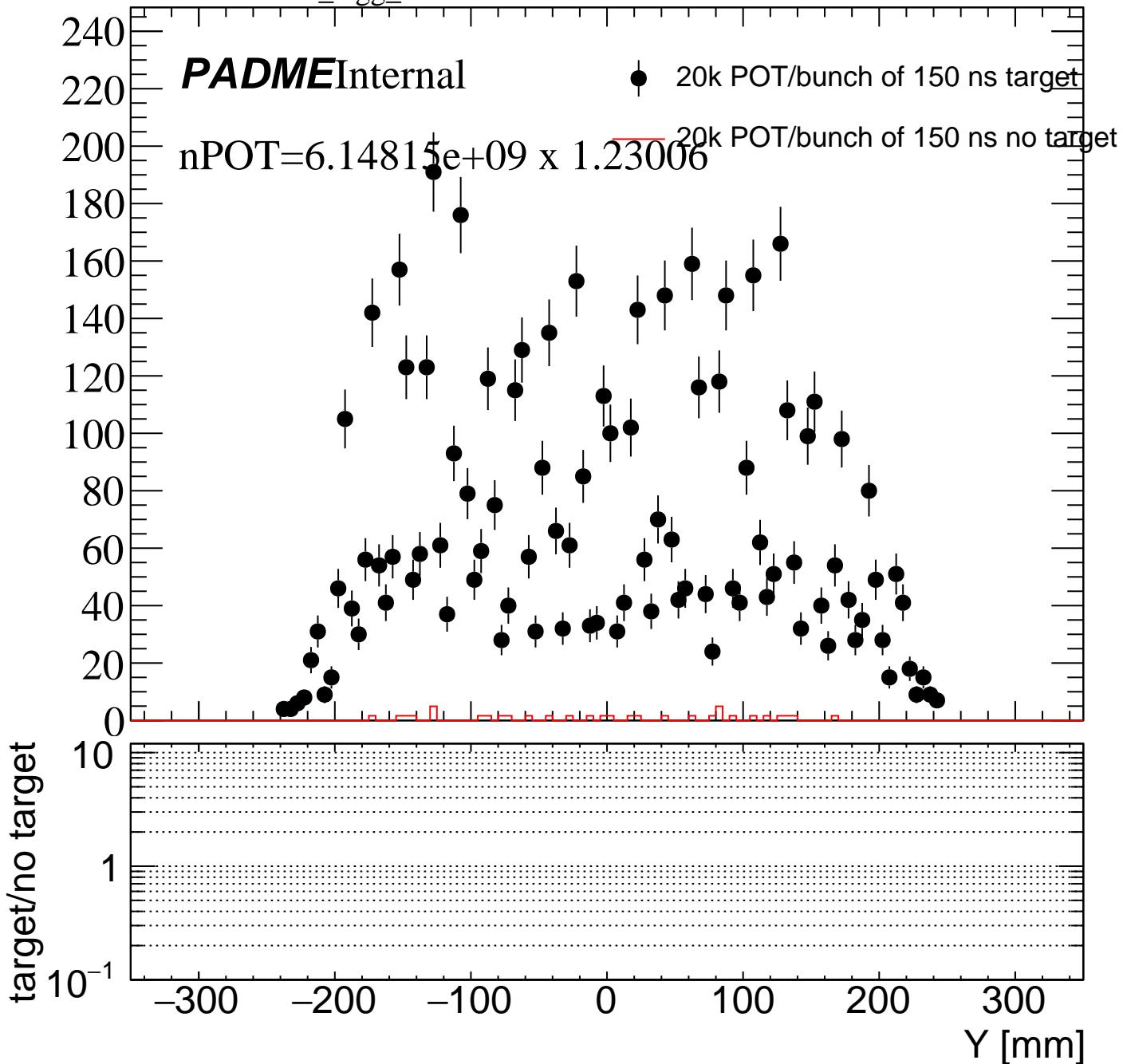


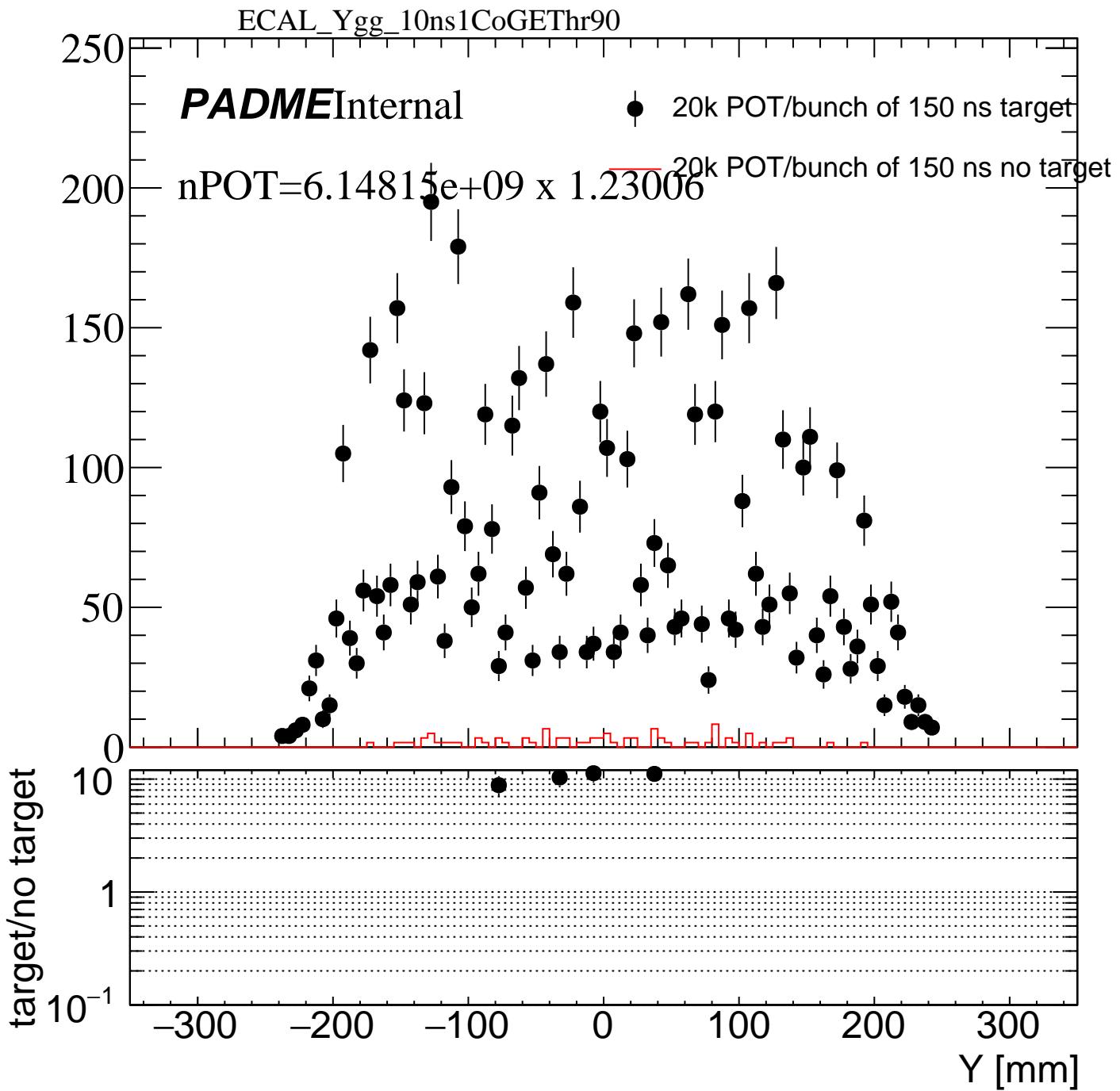


ECAL_Ygg_10ns1CoGUnderPeak

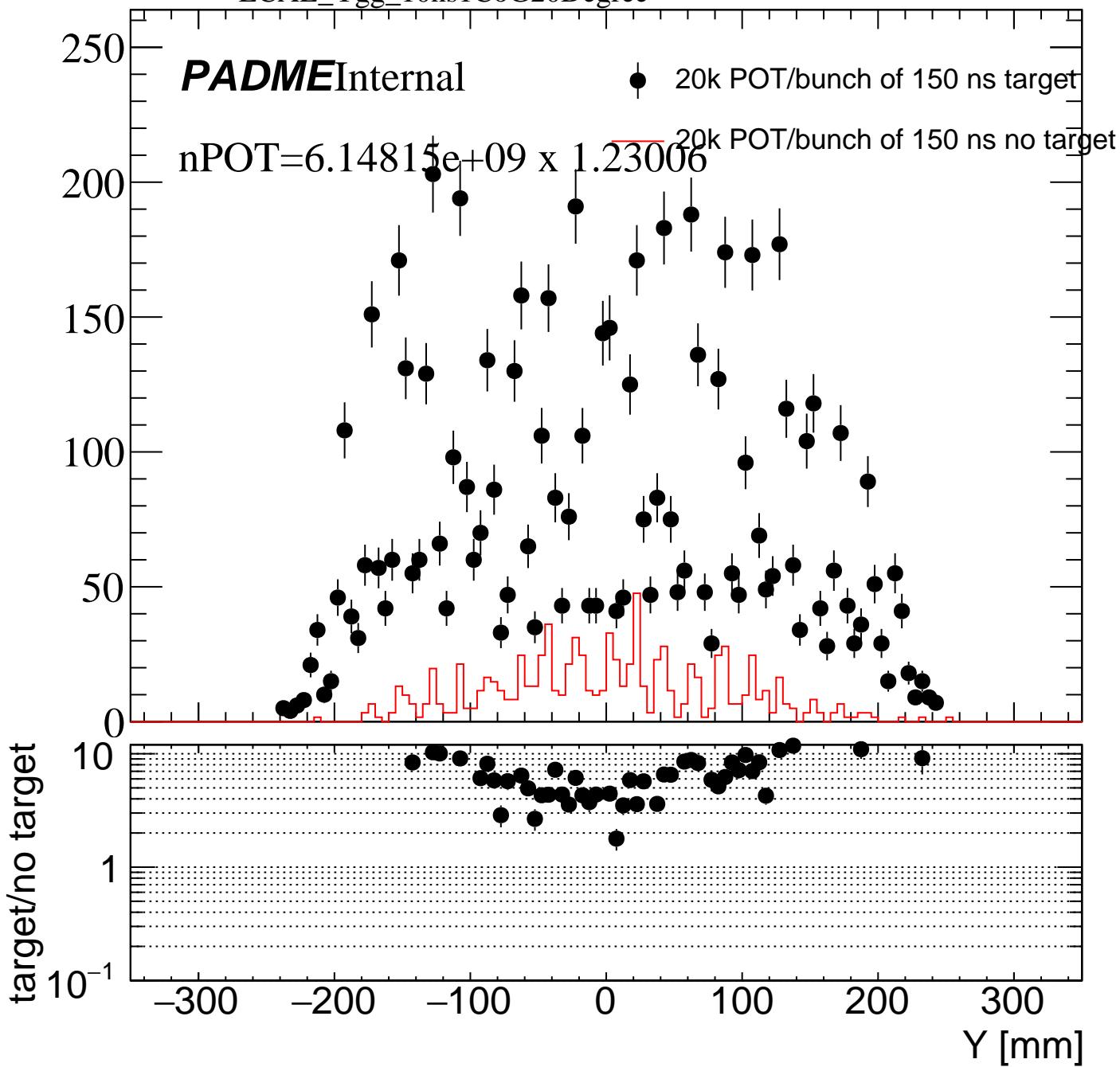


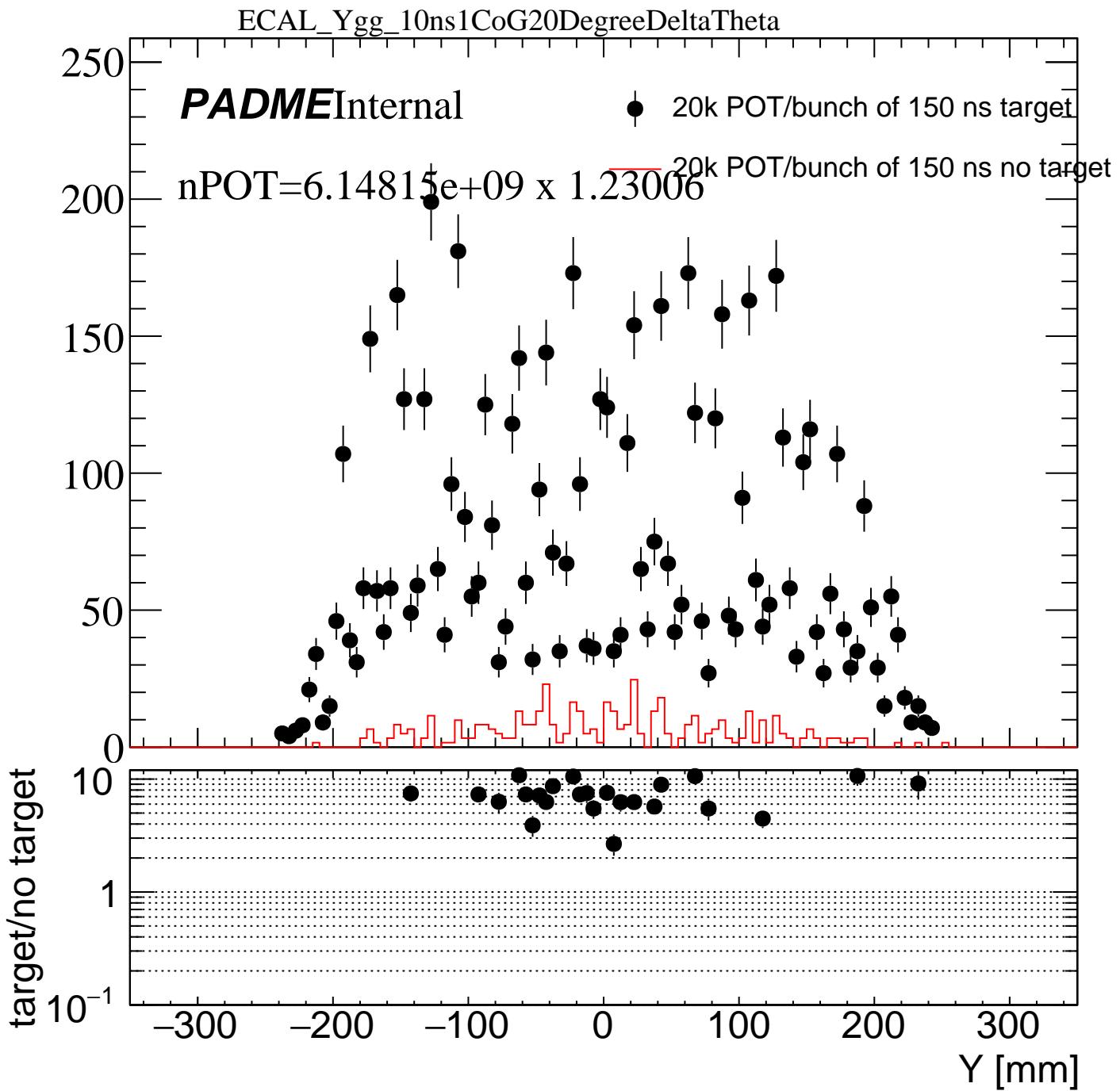
ECAL_Ygg_10ns1CoGUnderPeakETHr90



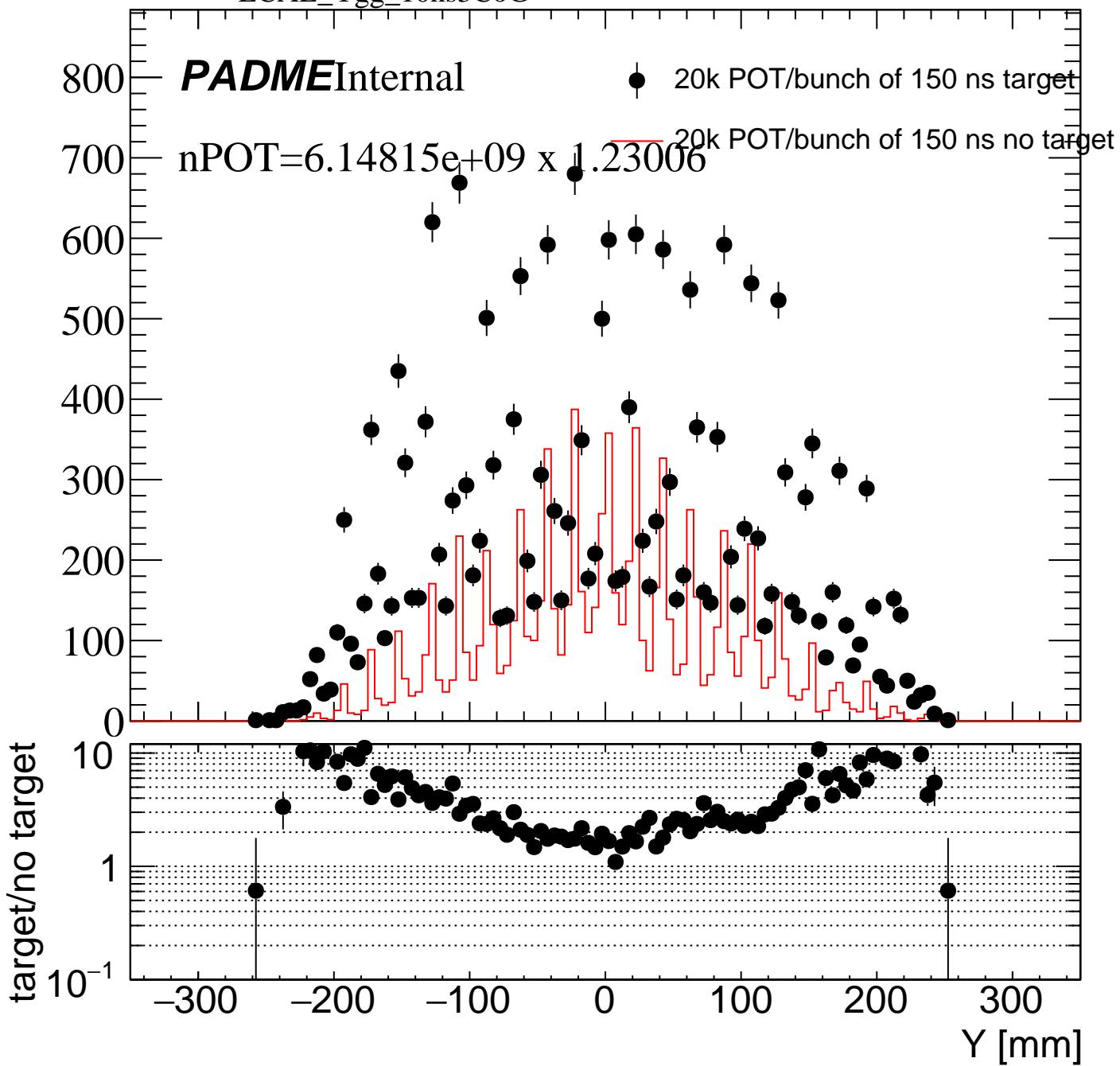


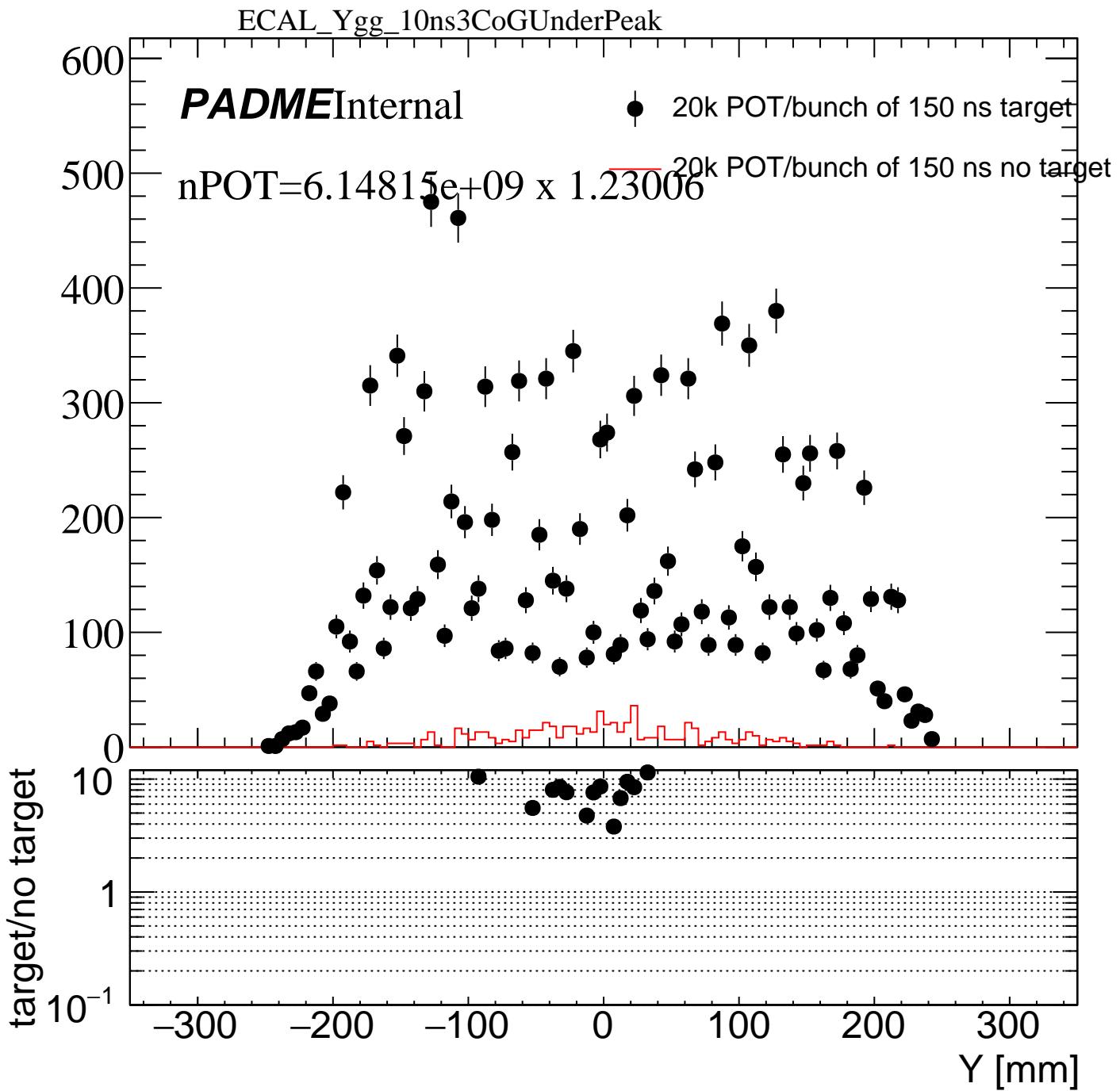
ECAL_Ygg_10ns1CoG20Degree



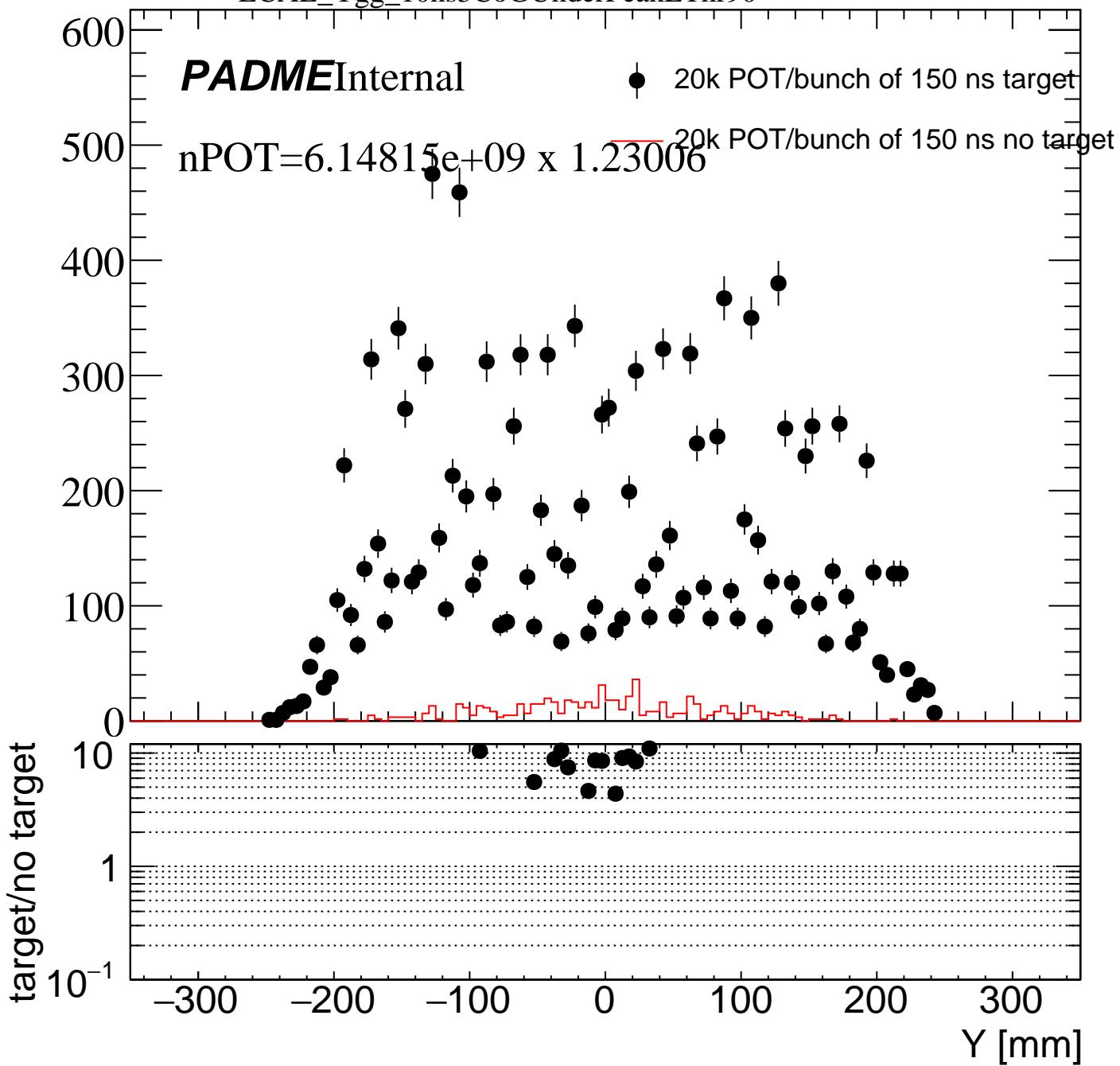


ECAL_Ygg_10ns3CoG

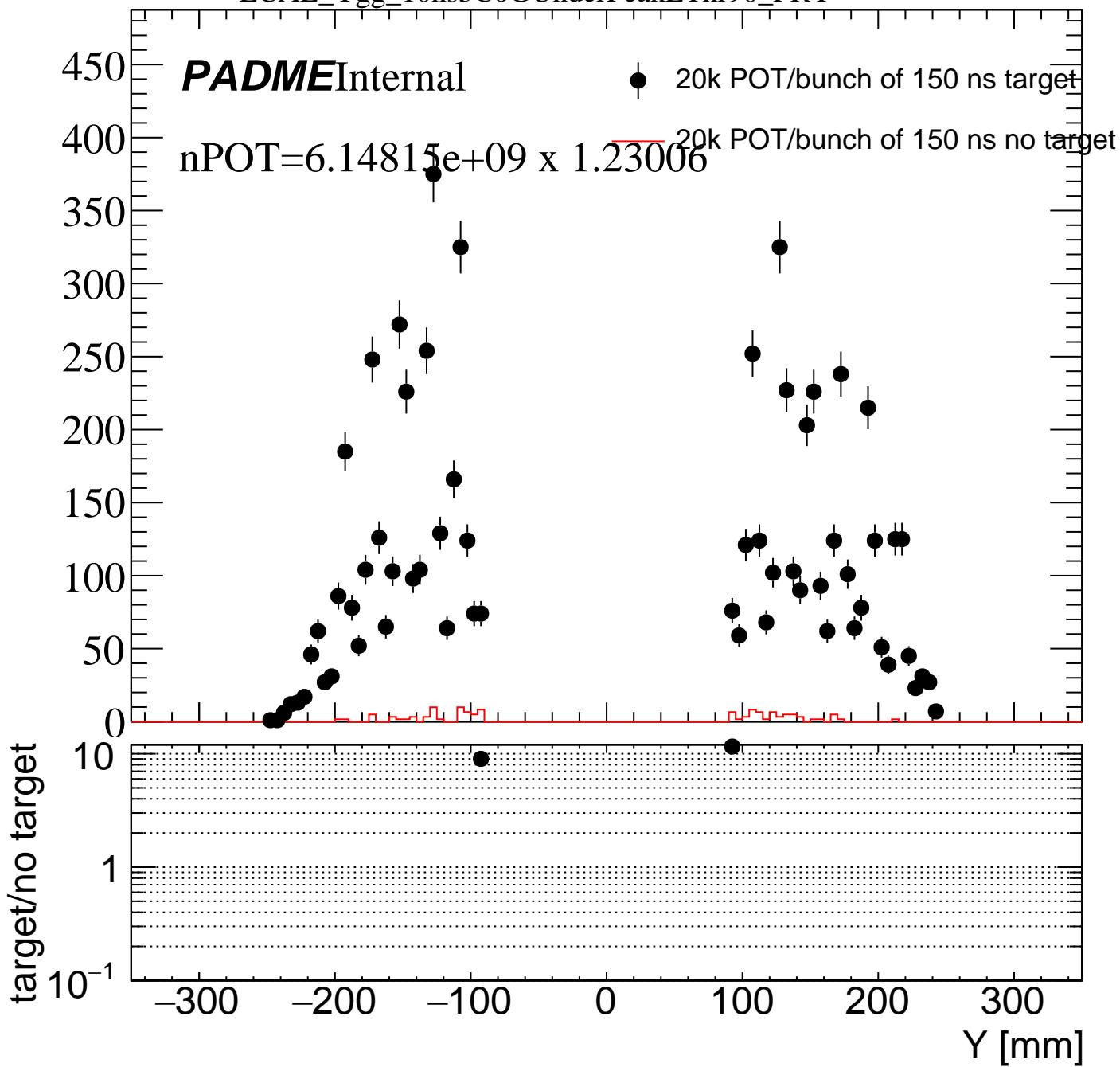




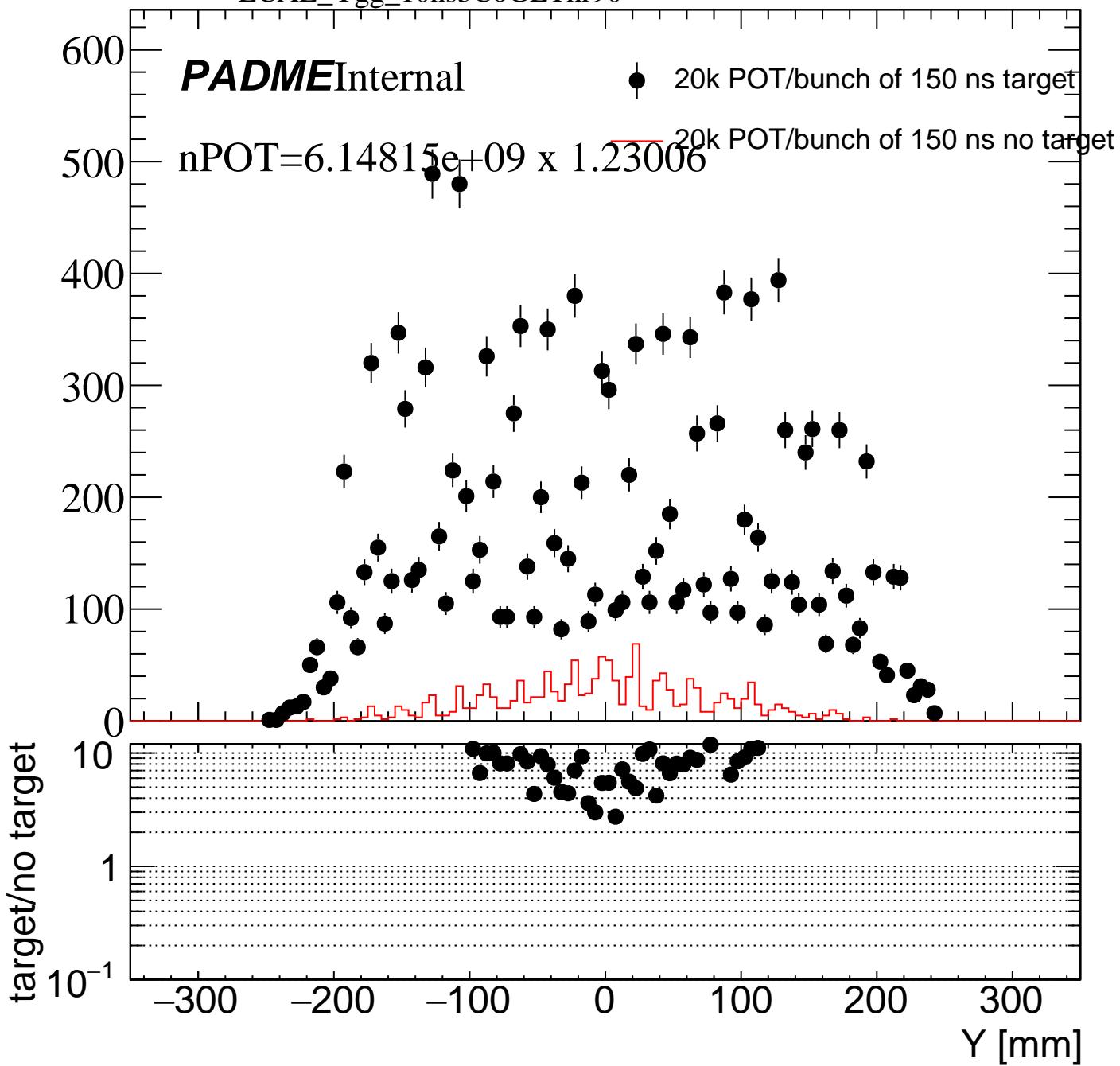
ECAL_Ygg_10ns3CoGUnderPeakETHr90



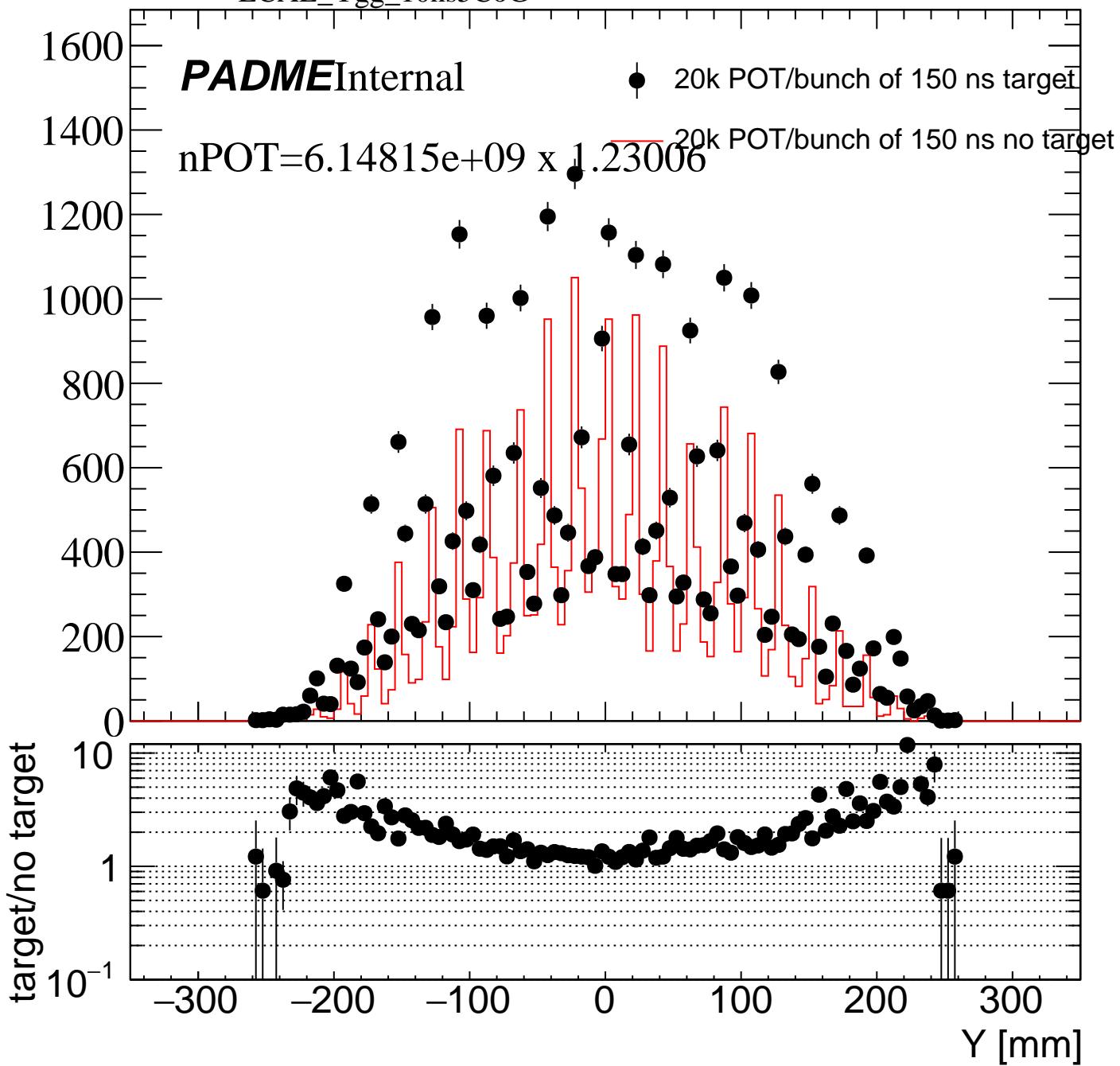
ECAL_Ygg_10ns3CoGUnderPeakEThr90_FRY



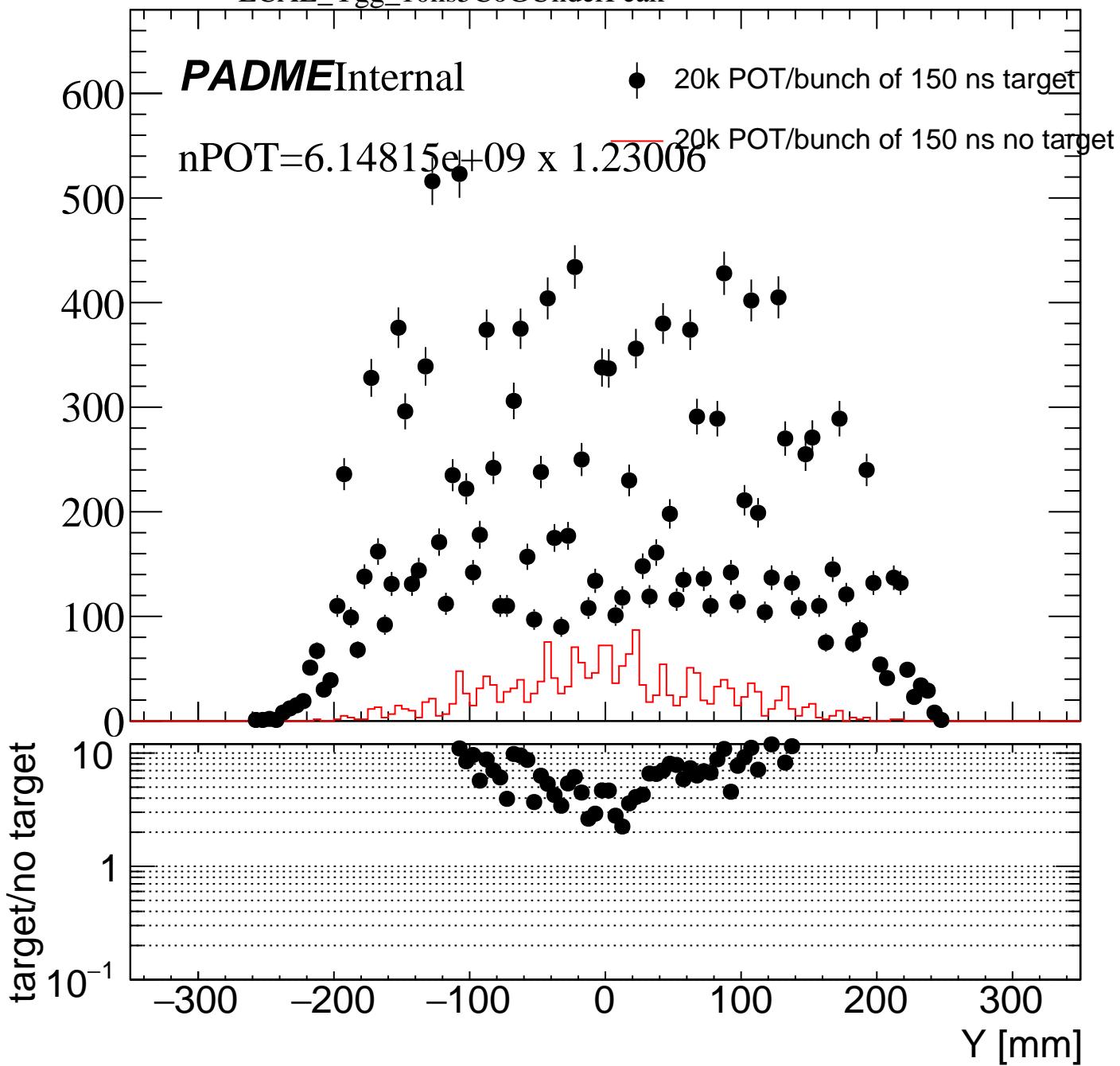
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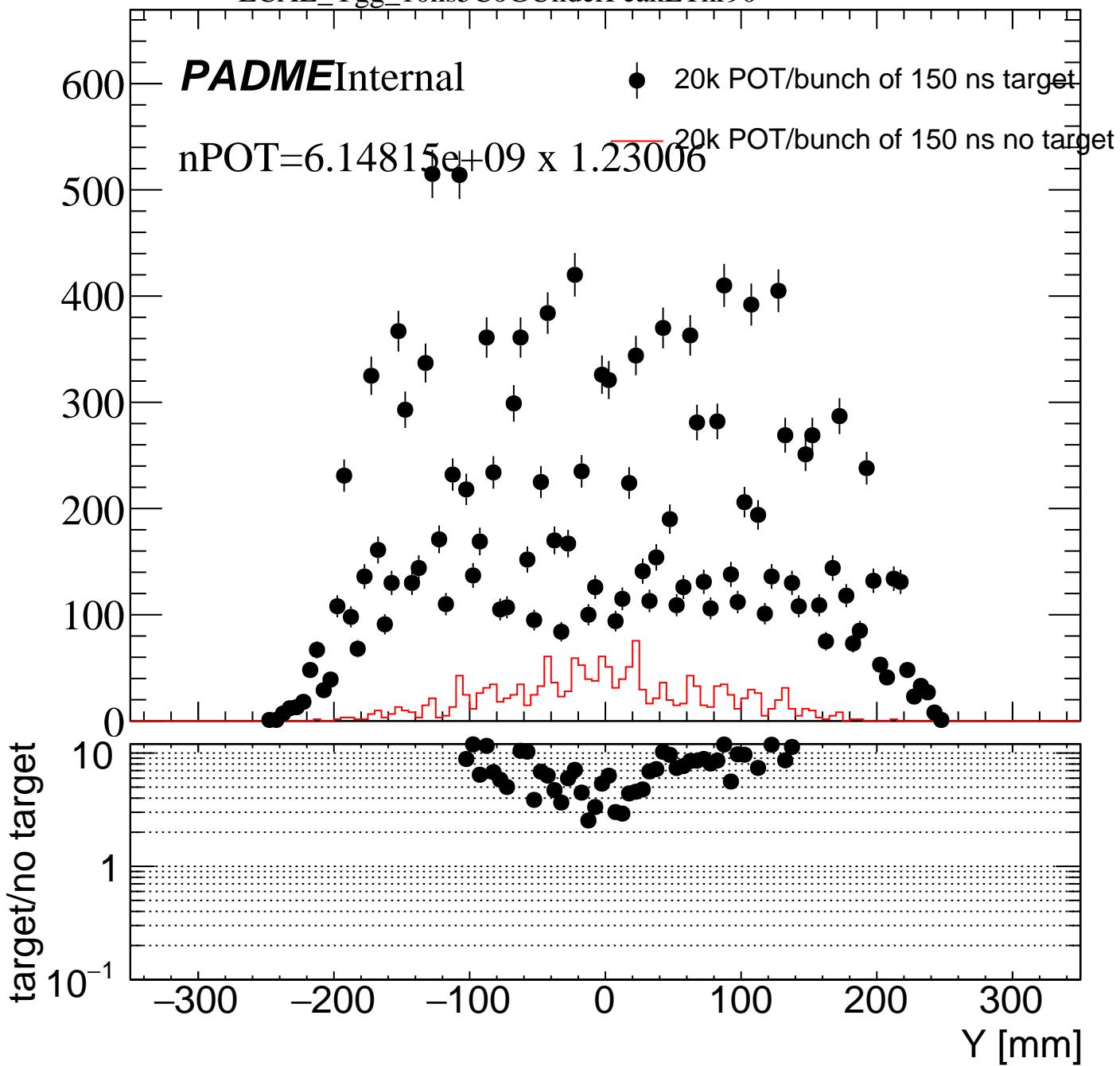
ECAL_Ygg_10ns5CoG



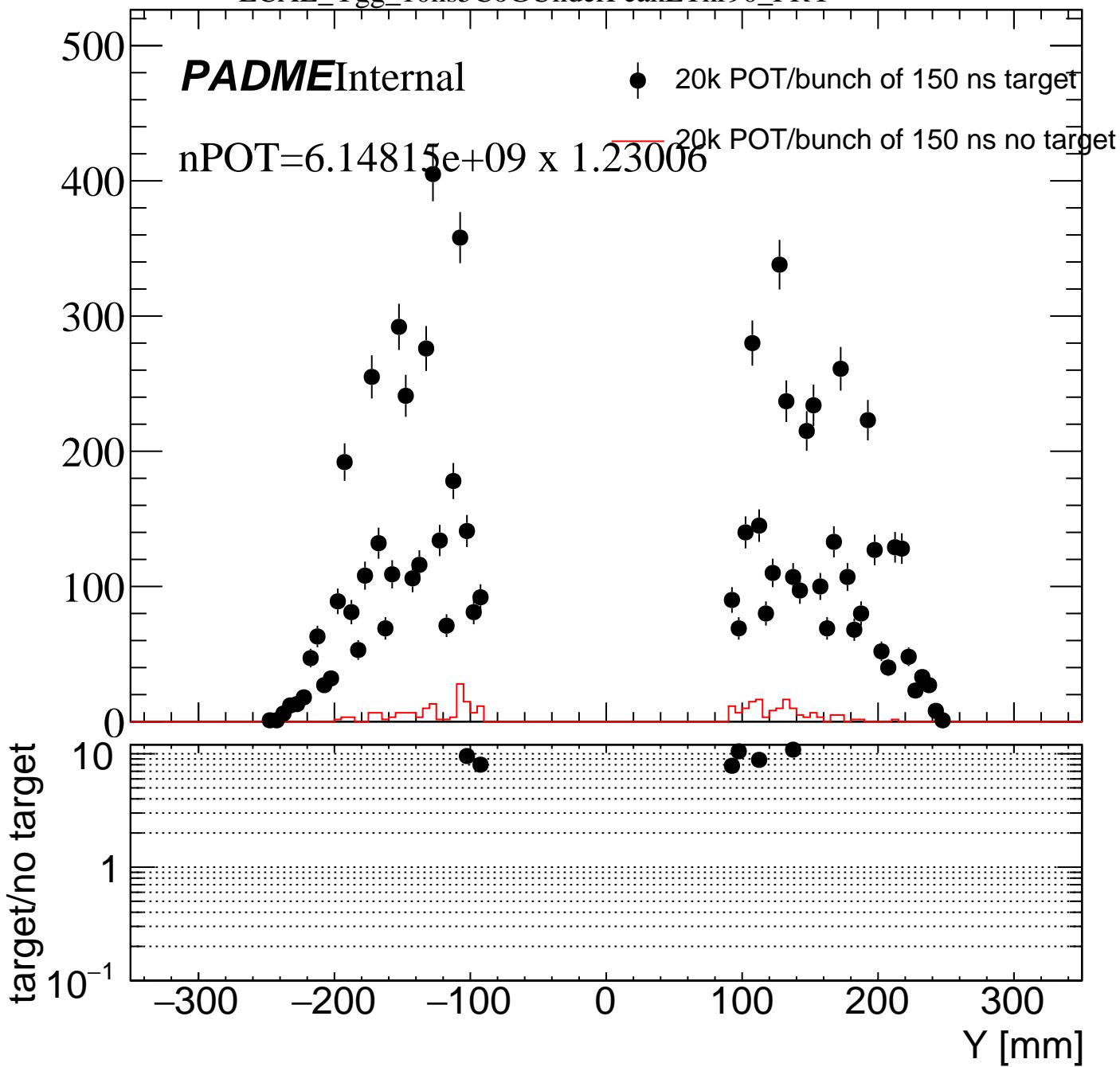
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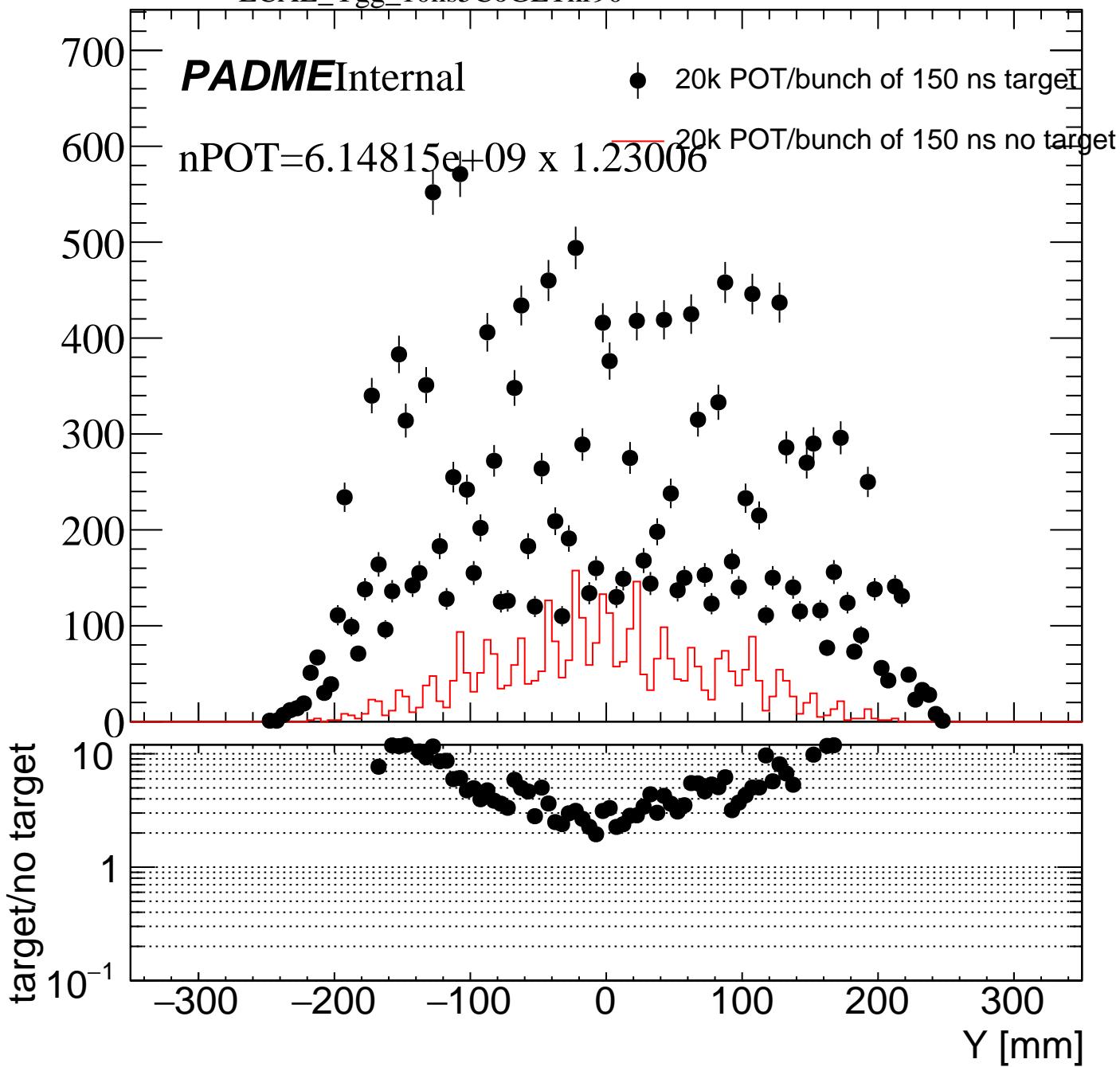
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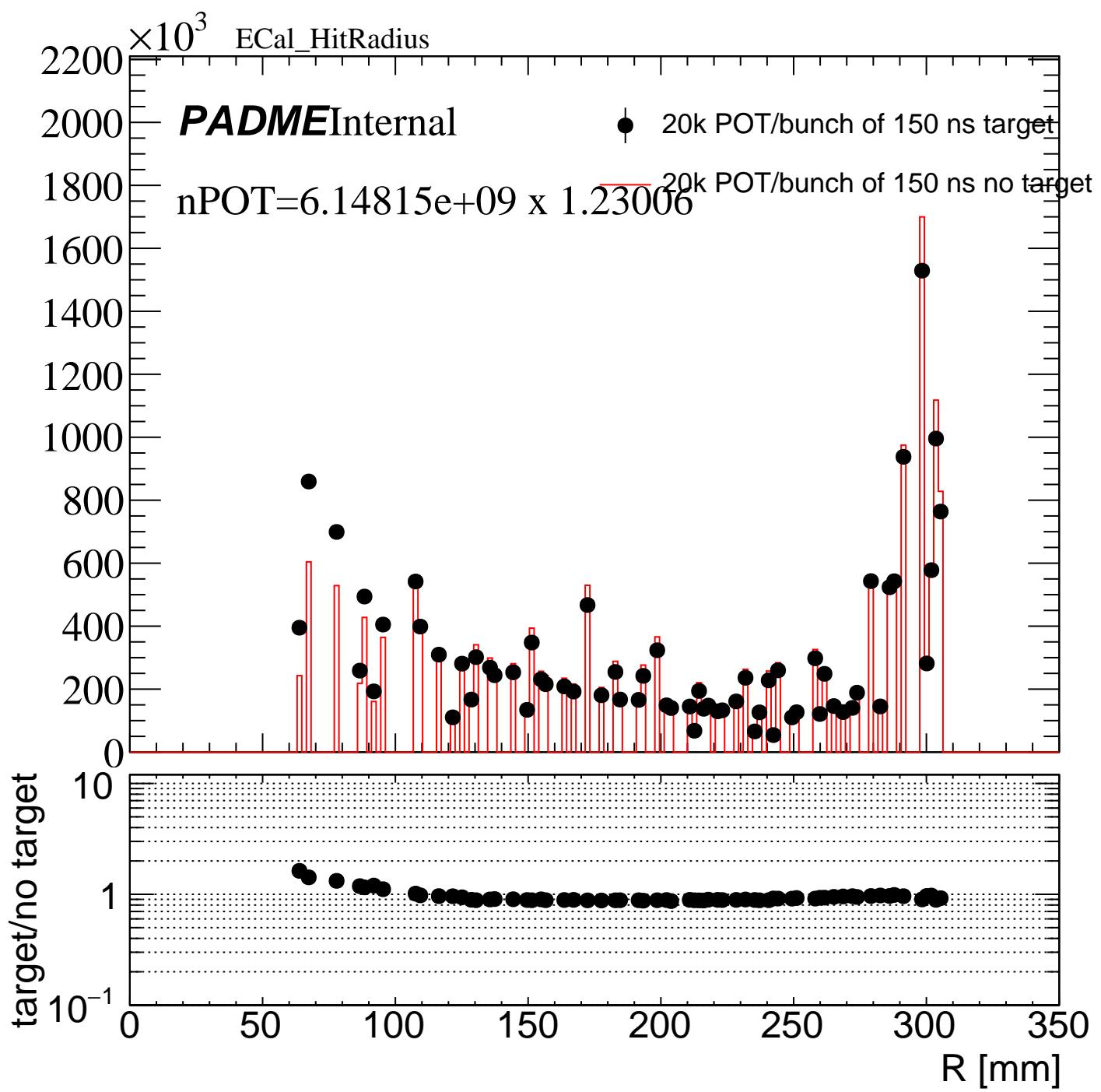


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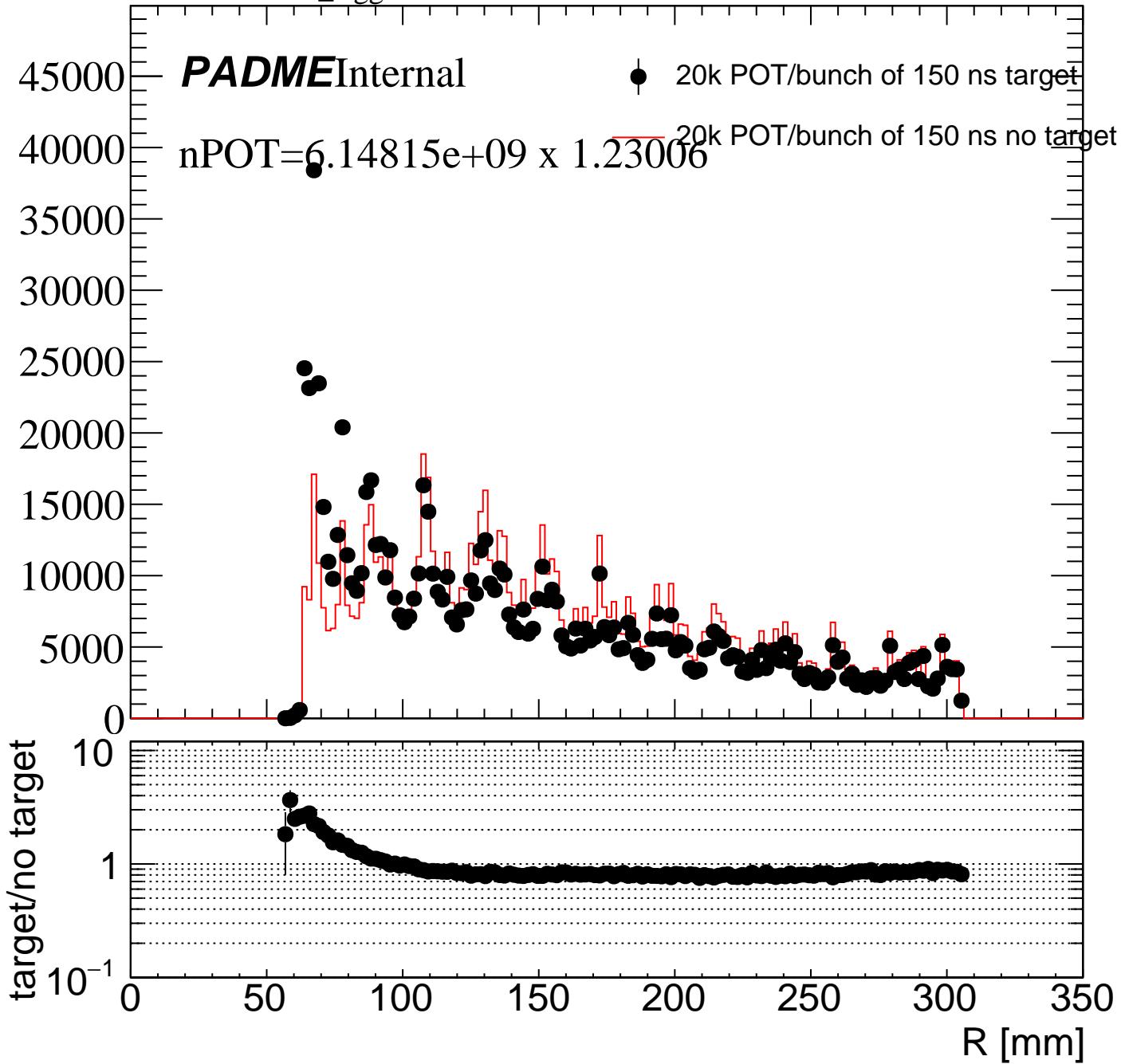


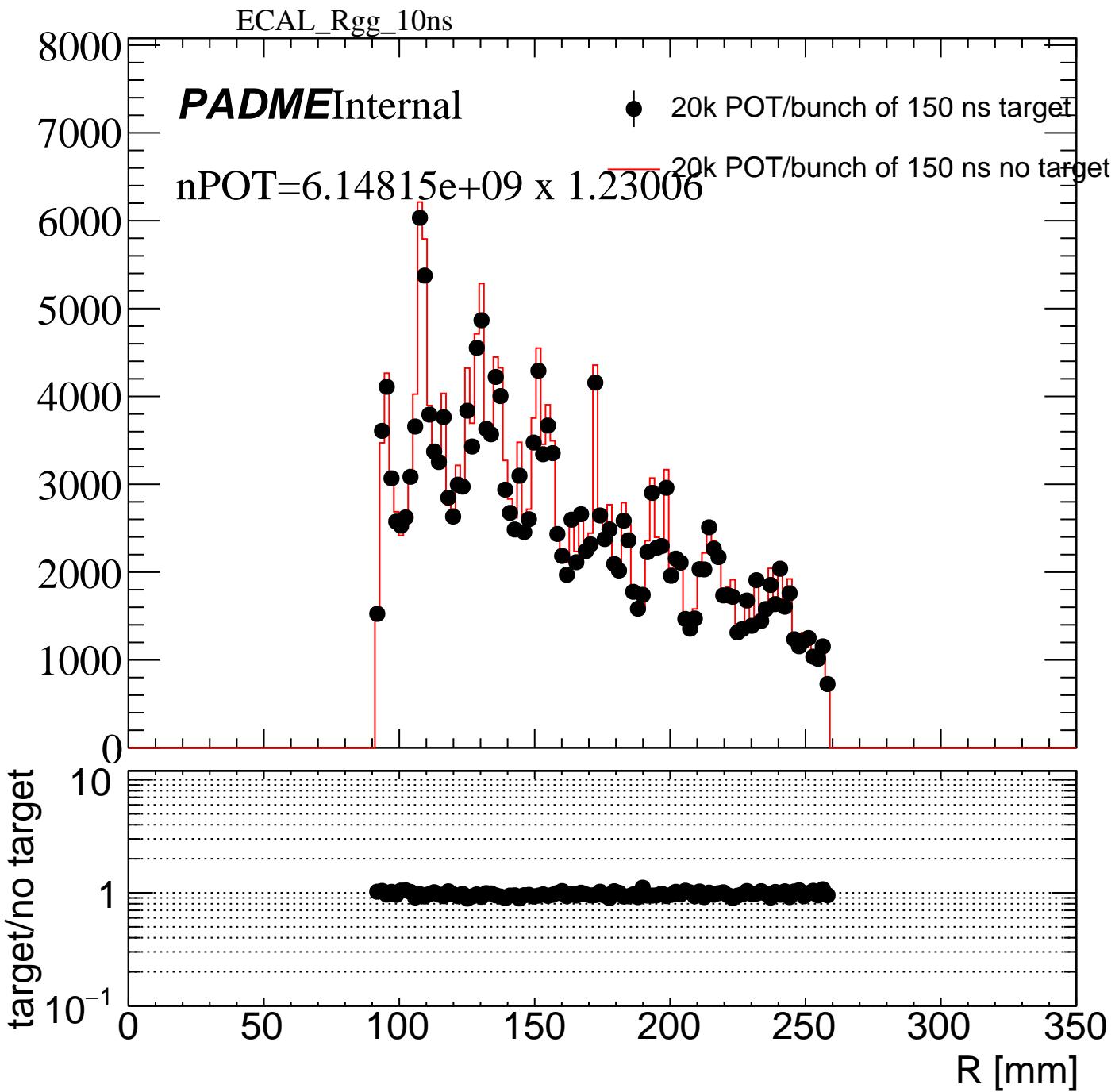
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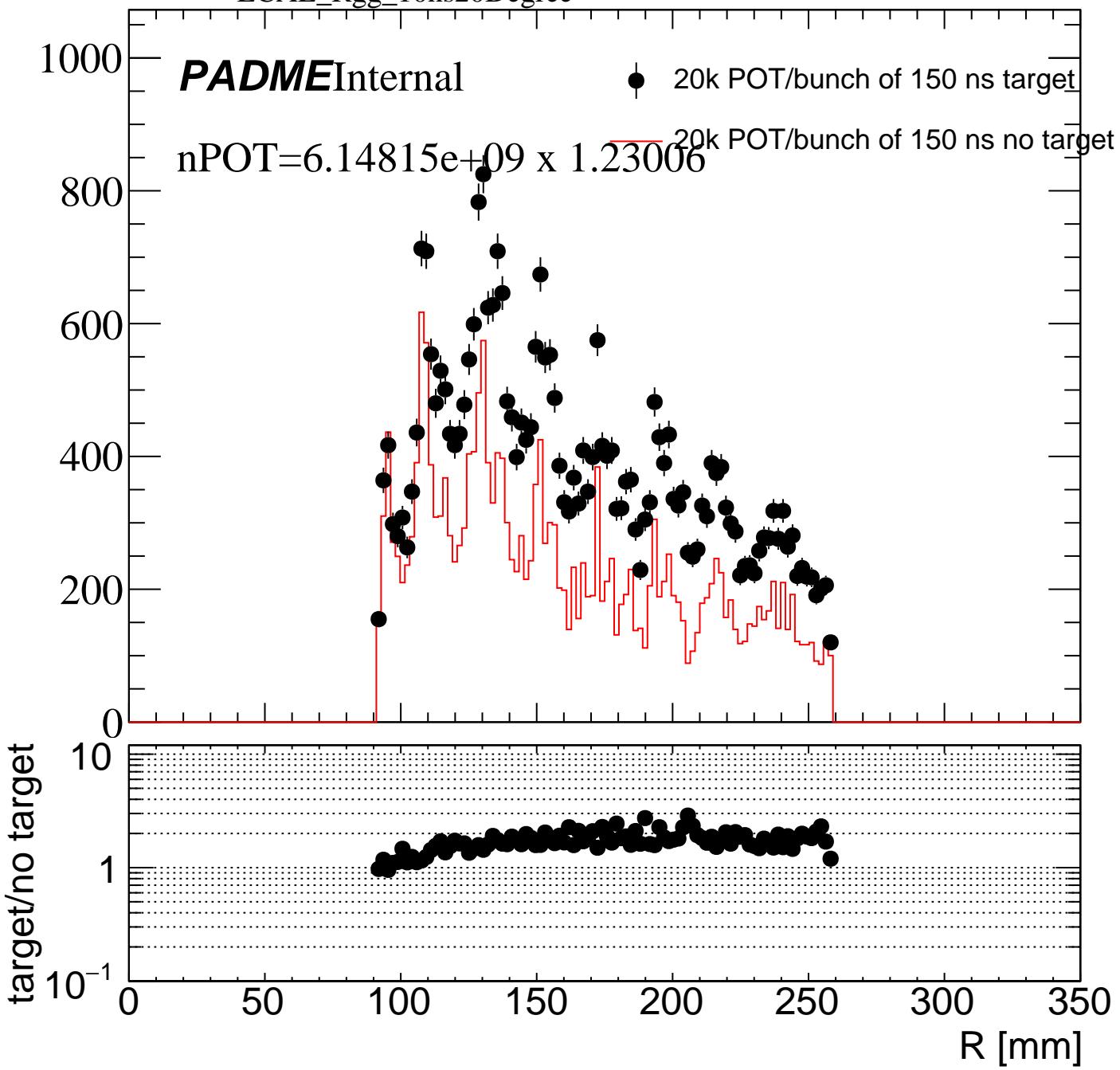


ECAL_RggAllClusters

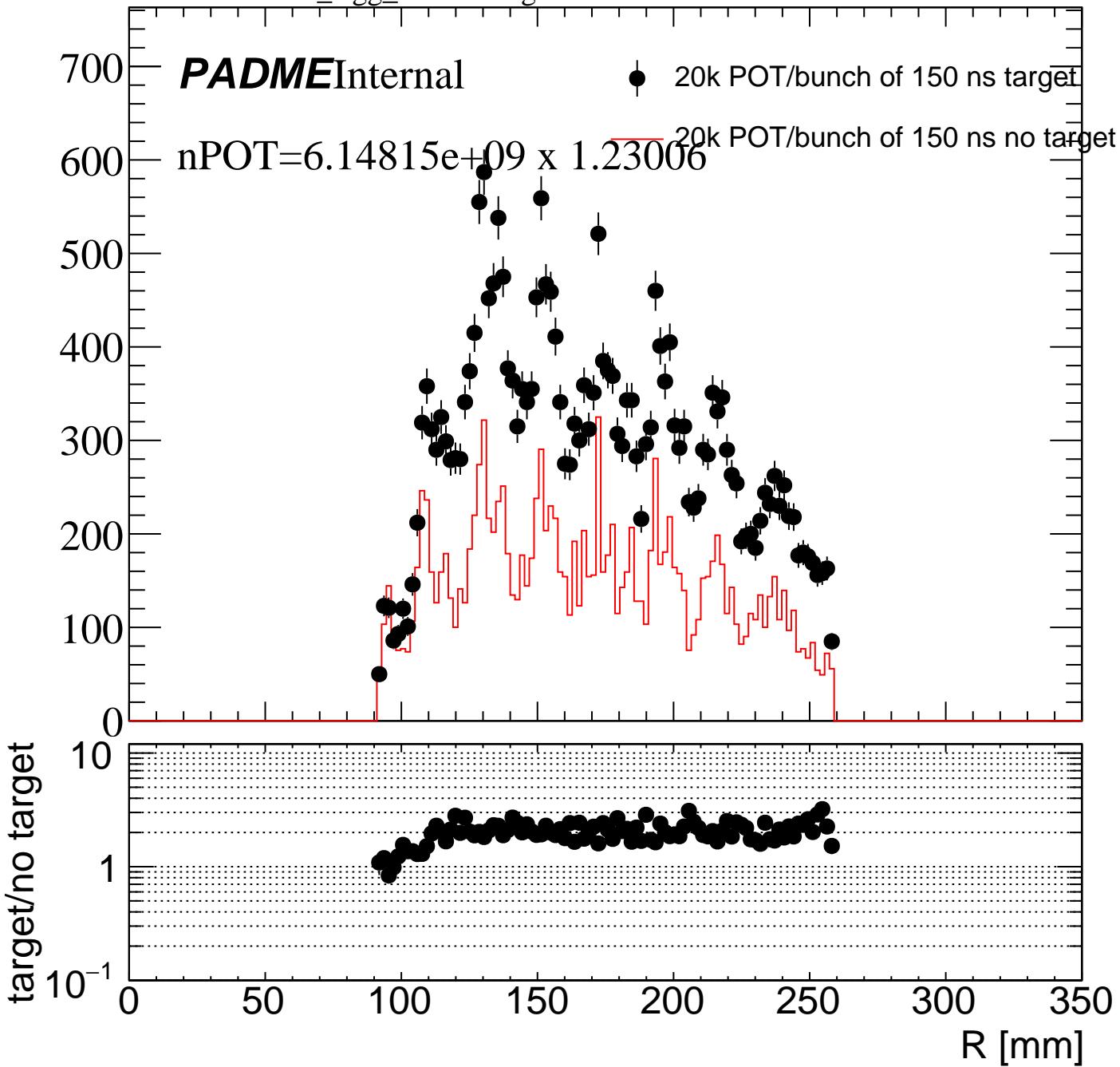


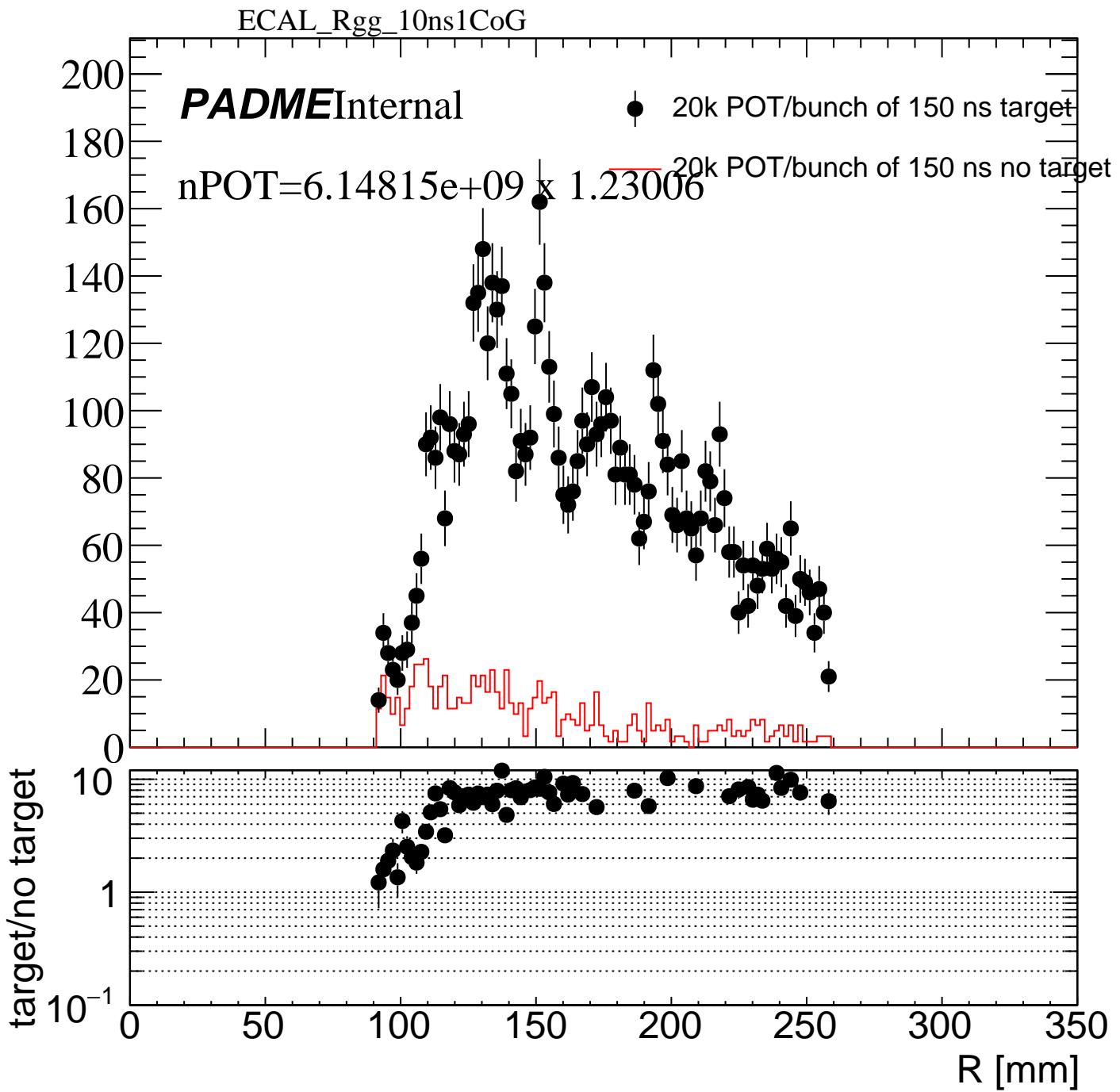


ECAL_Rgg_10ns20Degree

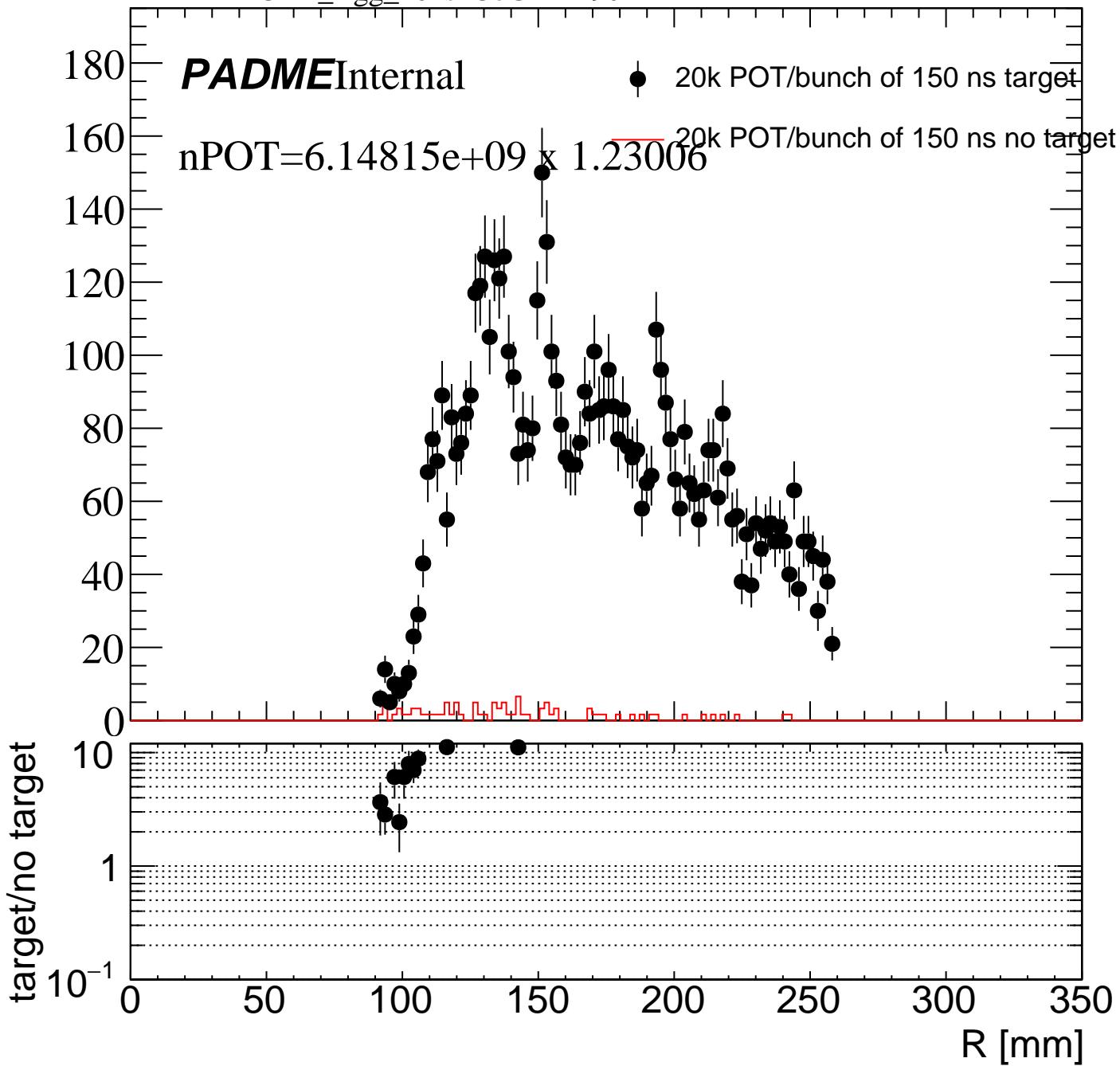


ECAL_Rgg_10ns20DegreeDeltaTheta

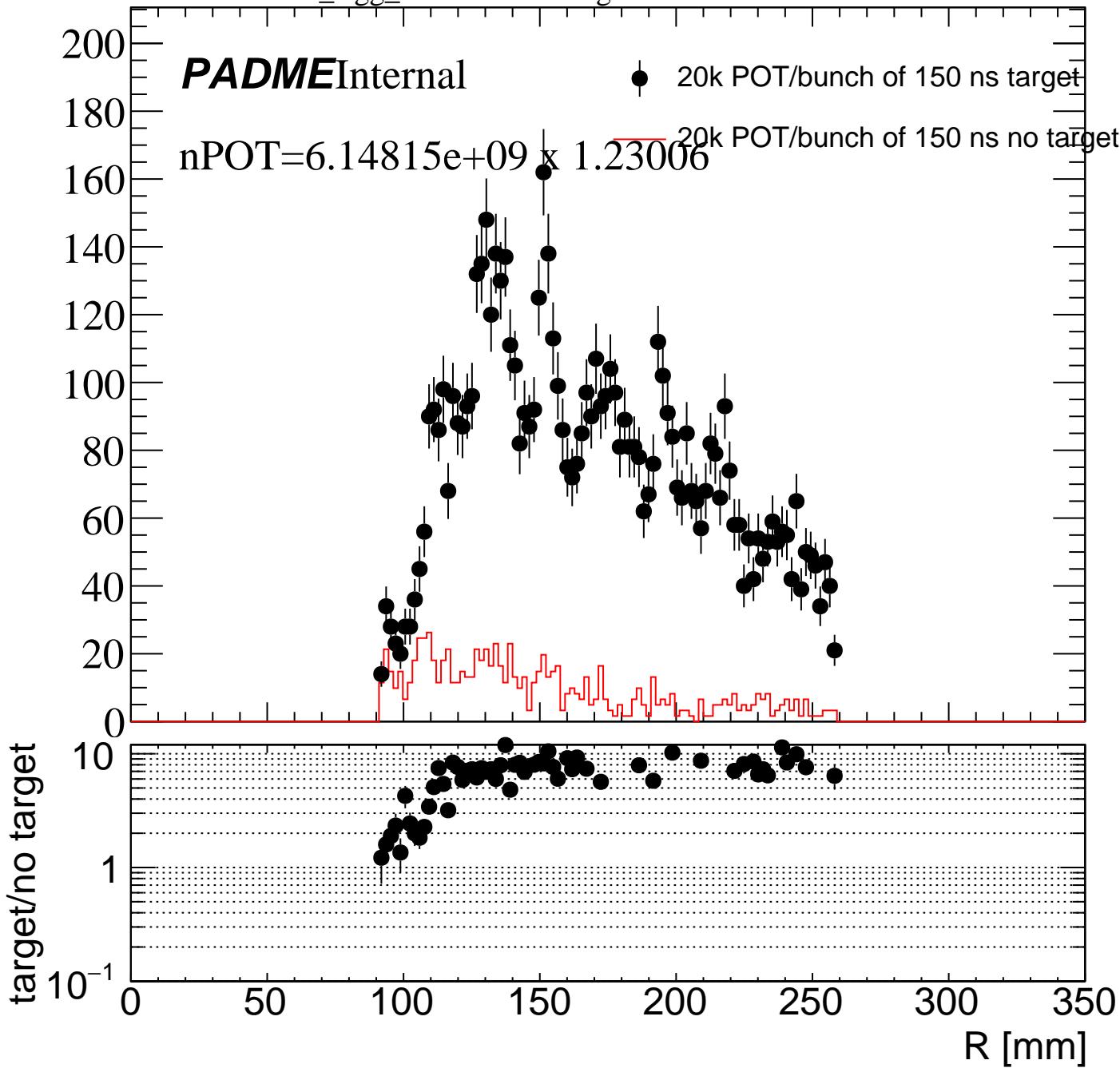




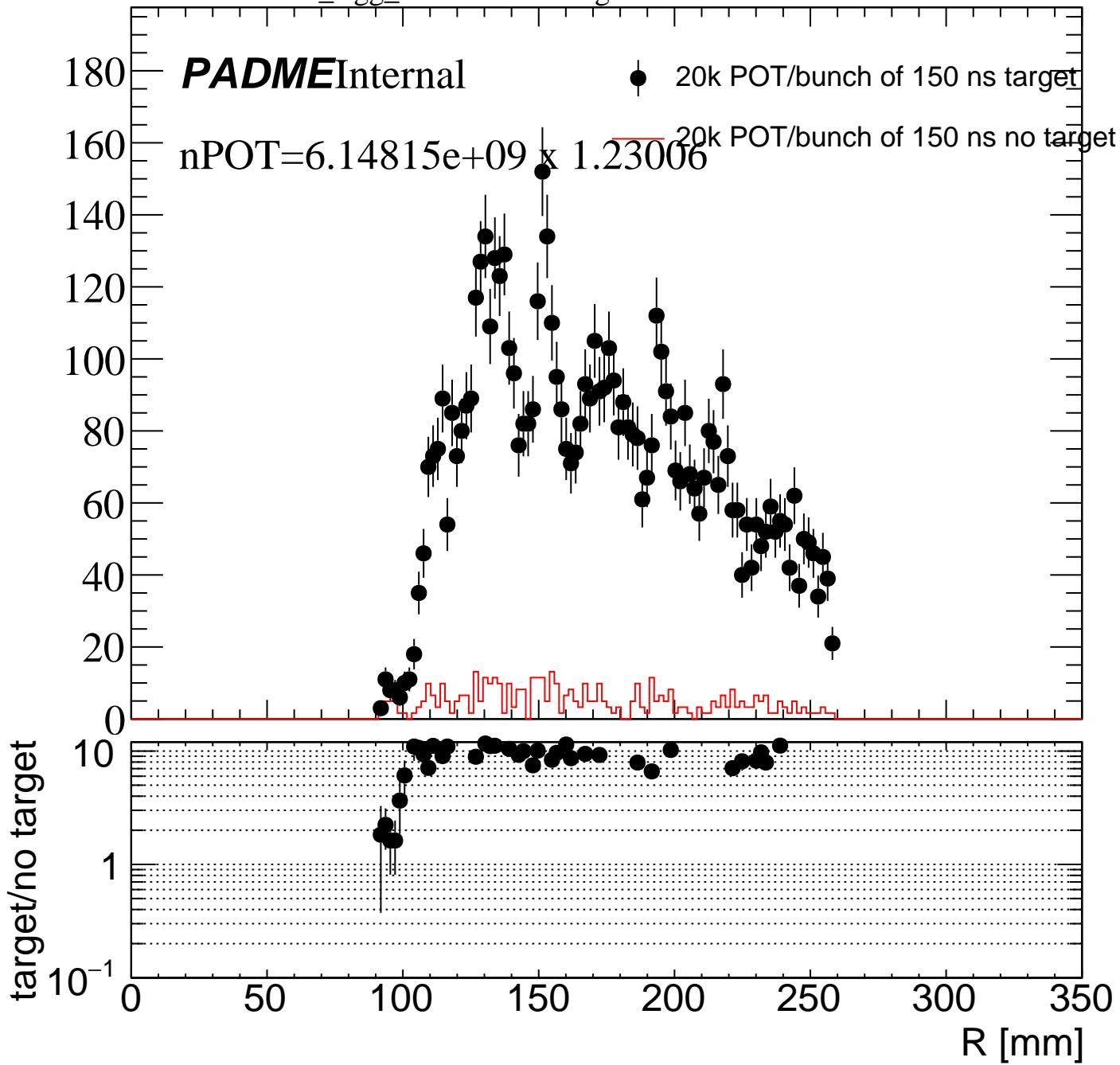
ECAL_Rgg_10ns1CoGEThr90



ECAL_Rgg_10ns1CoG20Degree



ECAL_Rgg_10ns1CoG20DegreeDeltaTheta

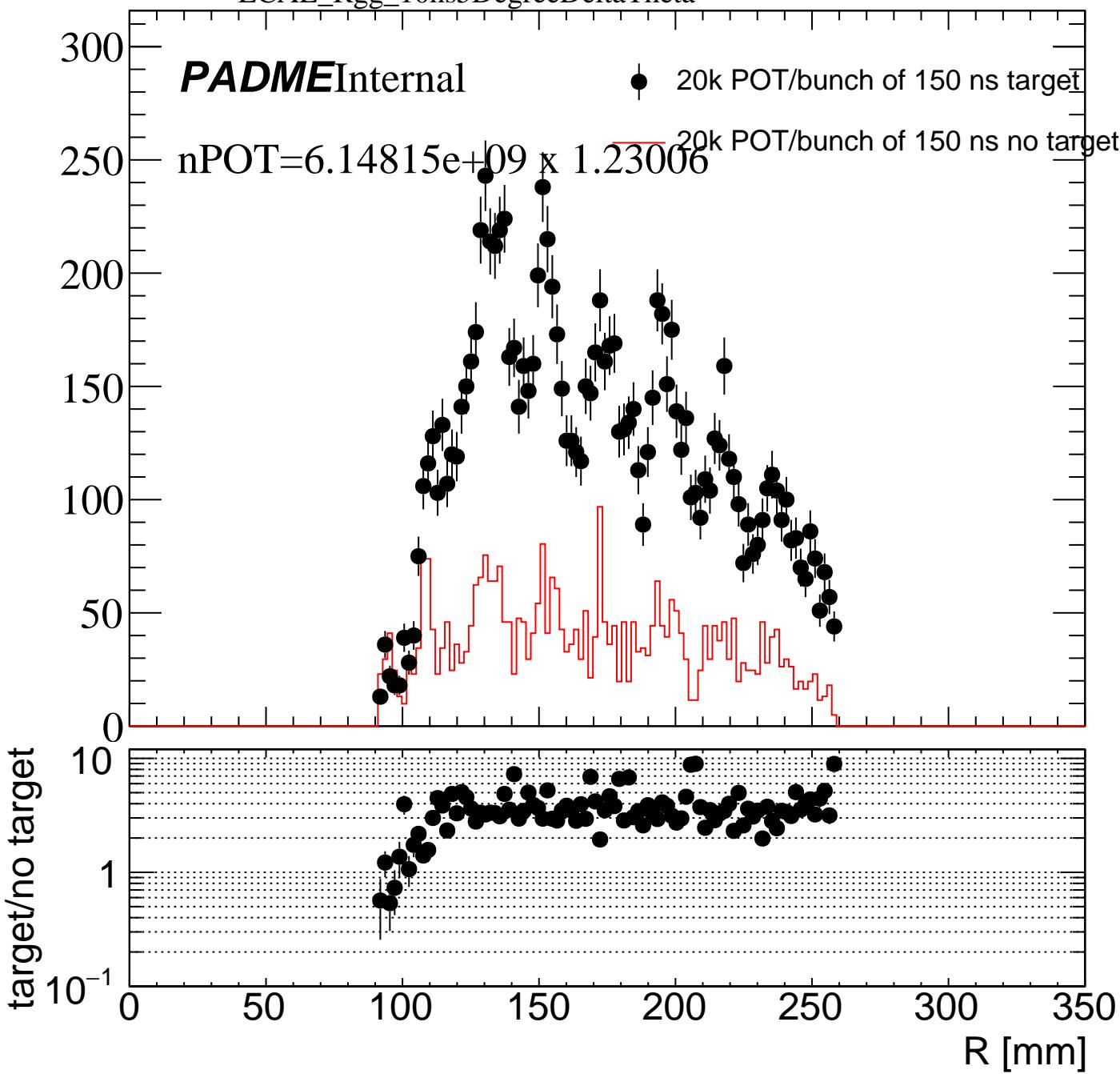


ECAL_Rgg_10ns5DegreeDeltaTheta

PADME Internal

• 20k POT/bunch of 150 ns target

nPOT=6.14815e+09 x 1.23006
20k POT/bunch of 150 ns no target



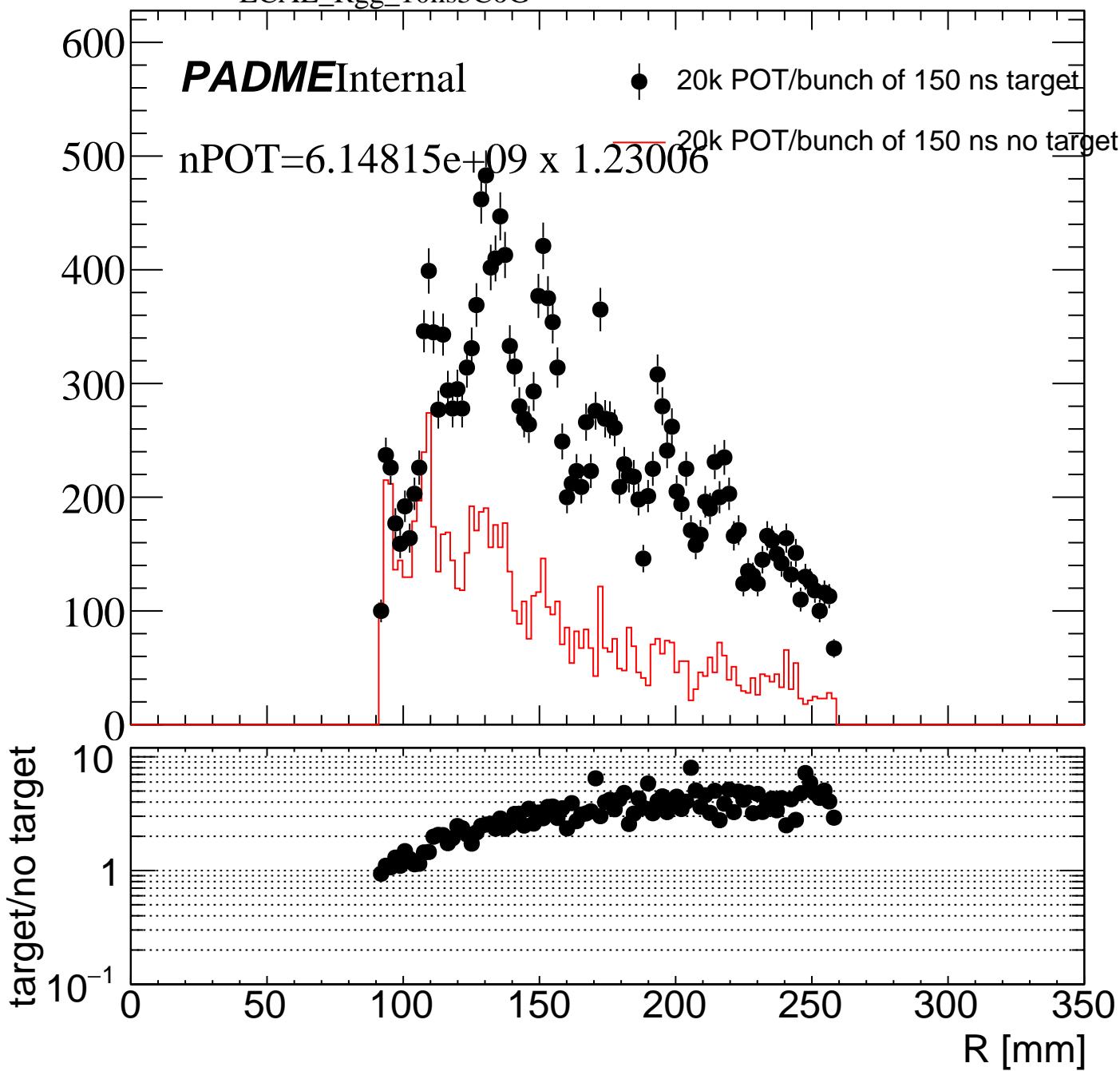
ECAL_Rgg_10ns3CoG

PADMEInternal

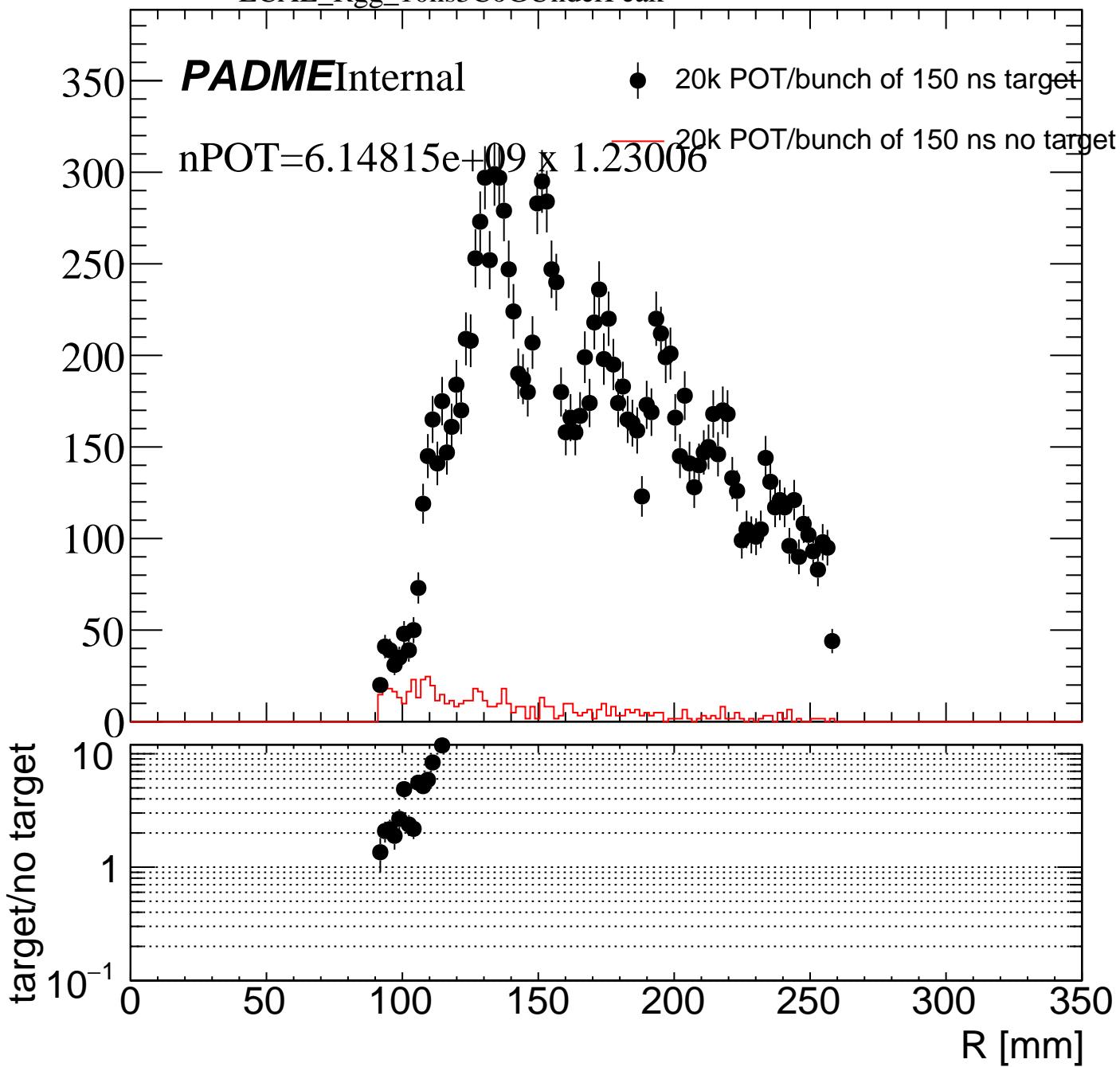
• 20k POT/bunch of 150 ns target

nPOT=6.14815e+09 x 1.23006

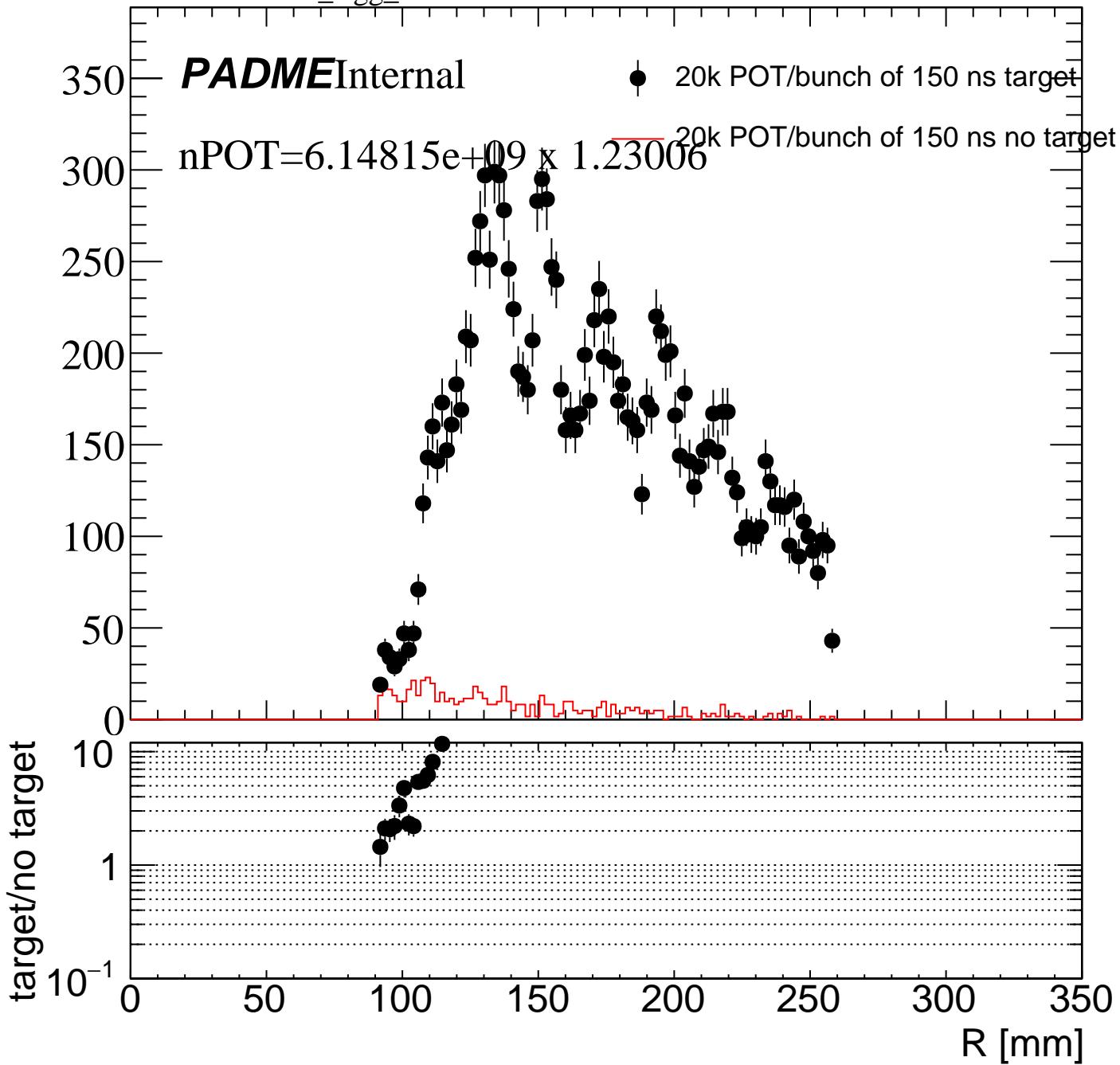
20k POT/bunch of 150 ns no target

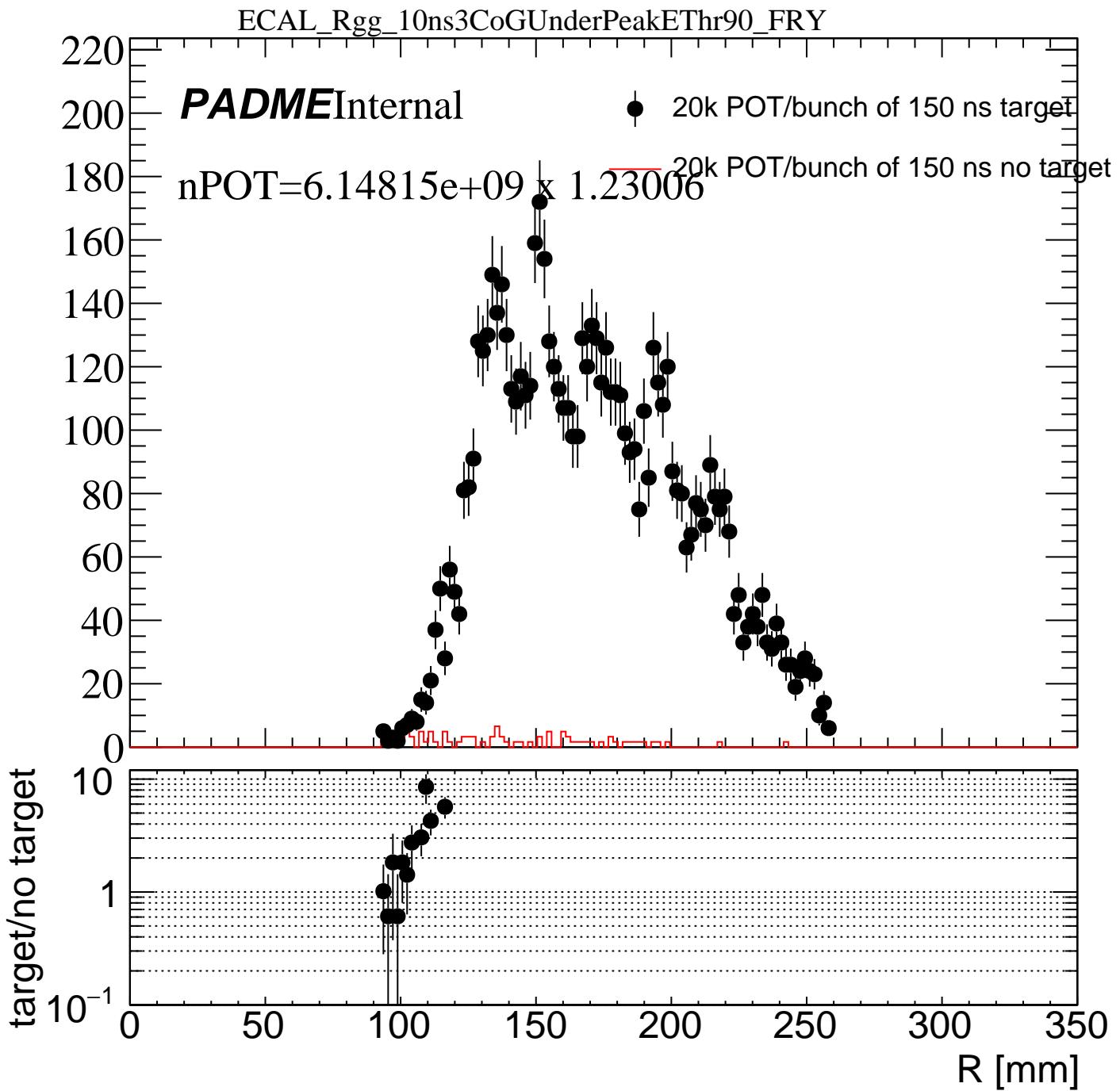


ECAL_Rgg_10ns3CoGUnderPeak

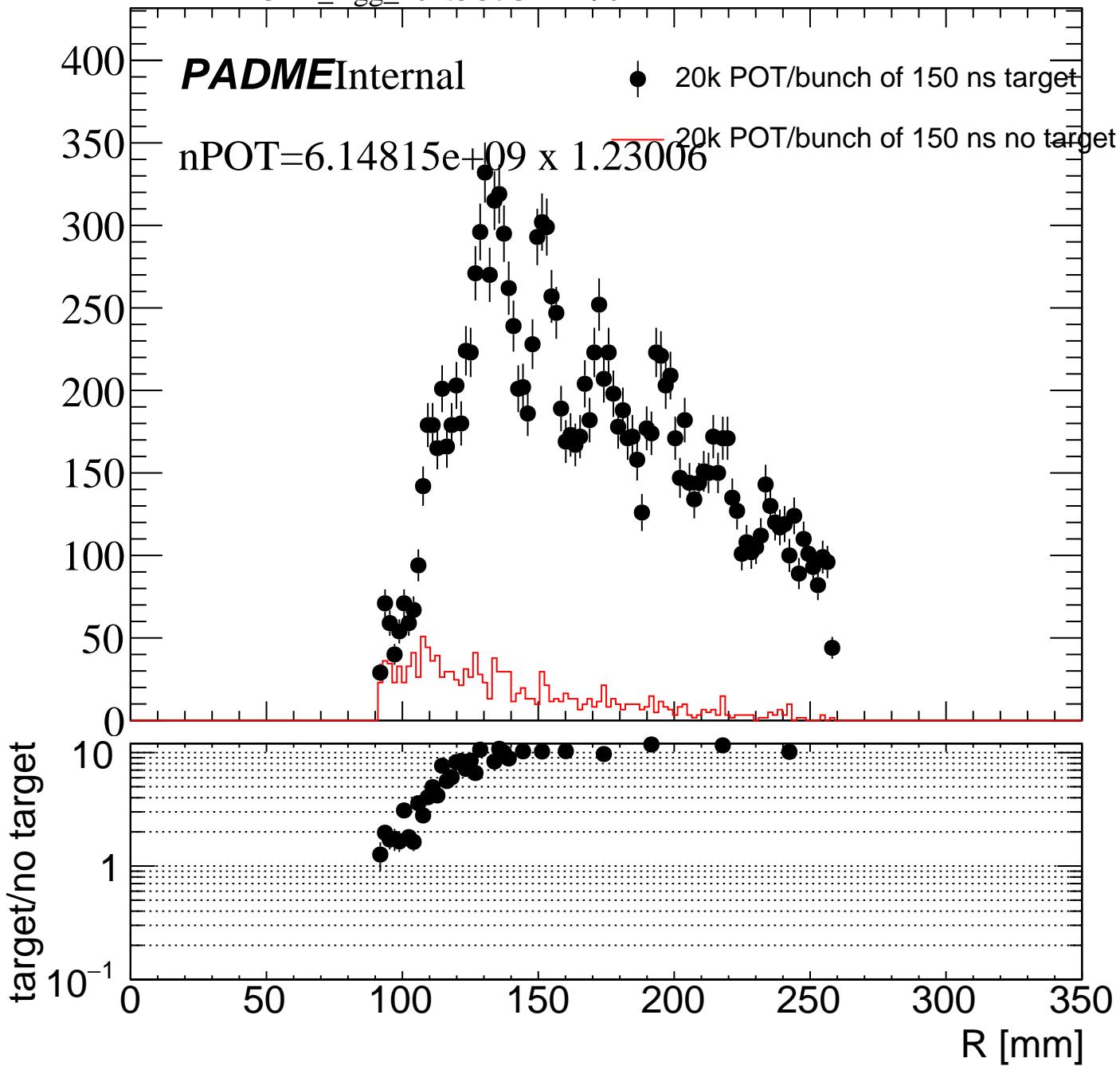


ECAL_Rgg_10ns3CoGUnderPeakEThr90





ECAL_Rgg_10ns3CoGEThr90

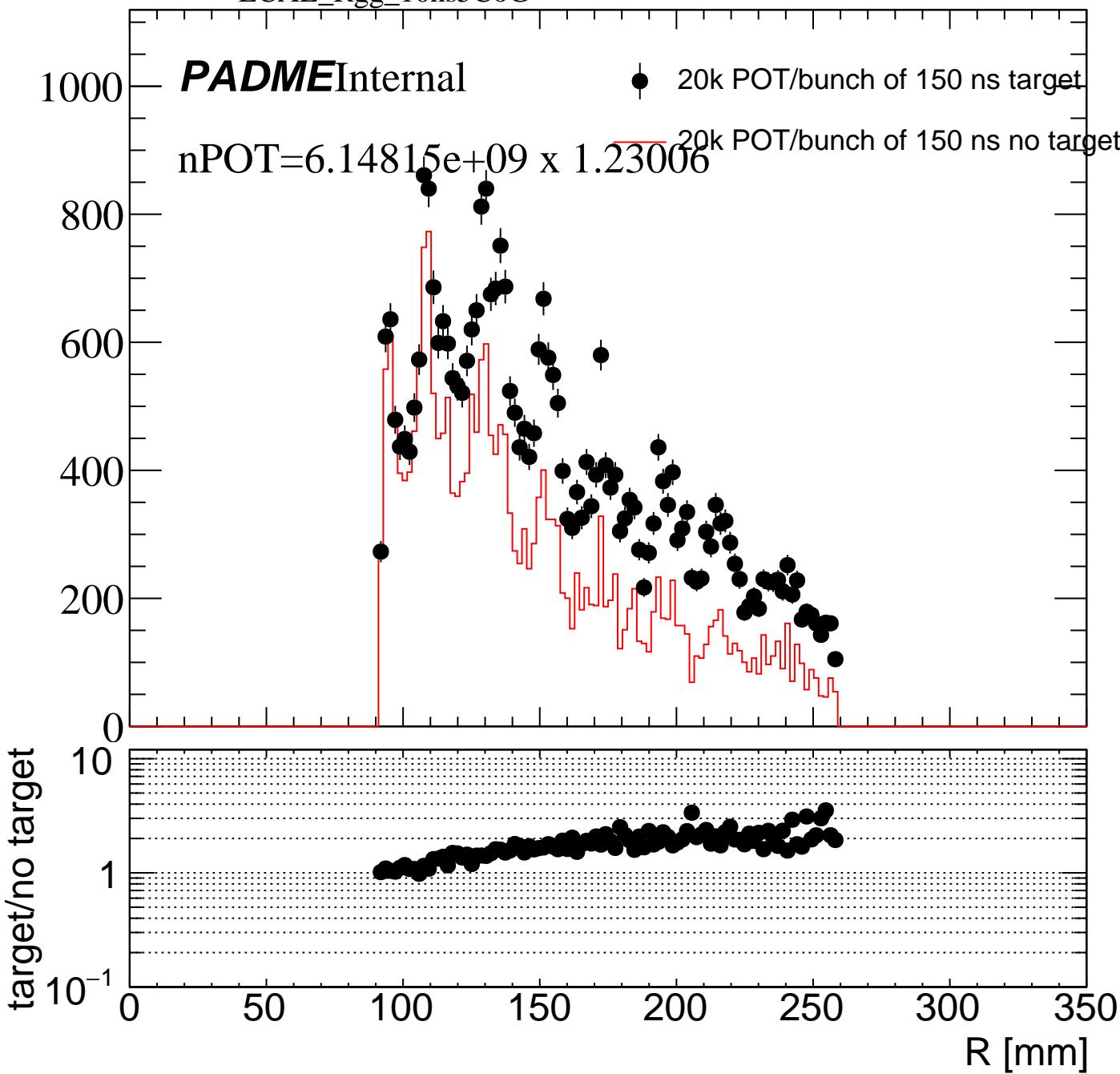


ECAL_Rgg_10ns5CoG

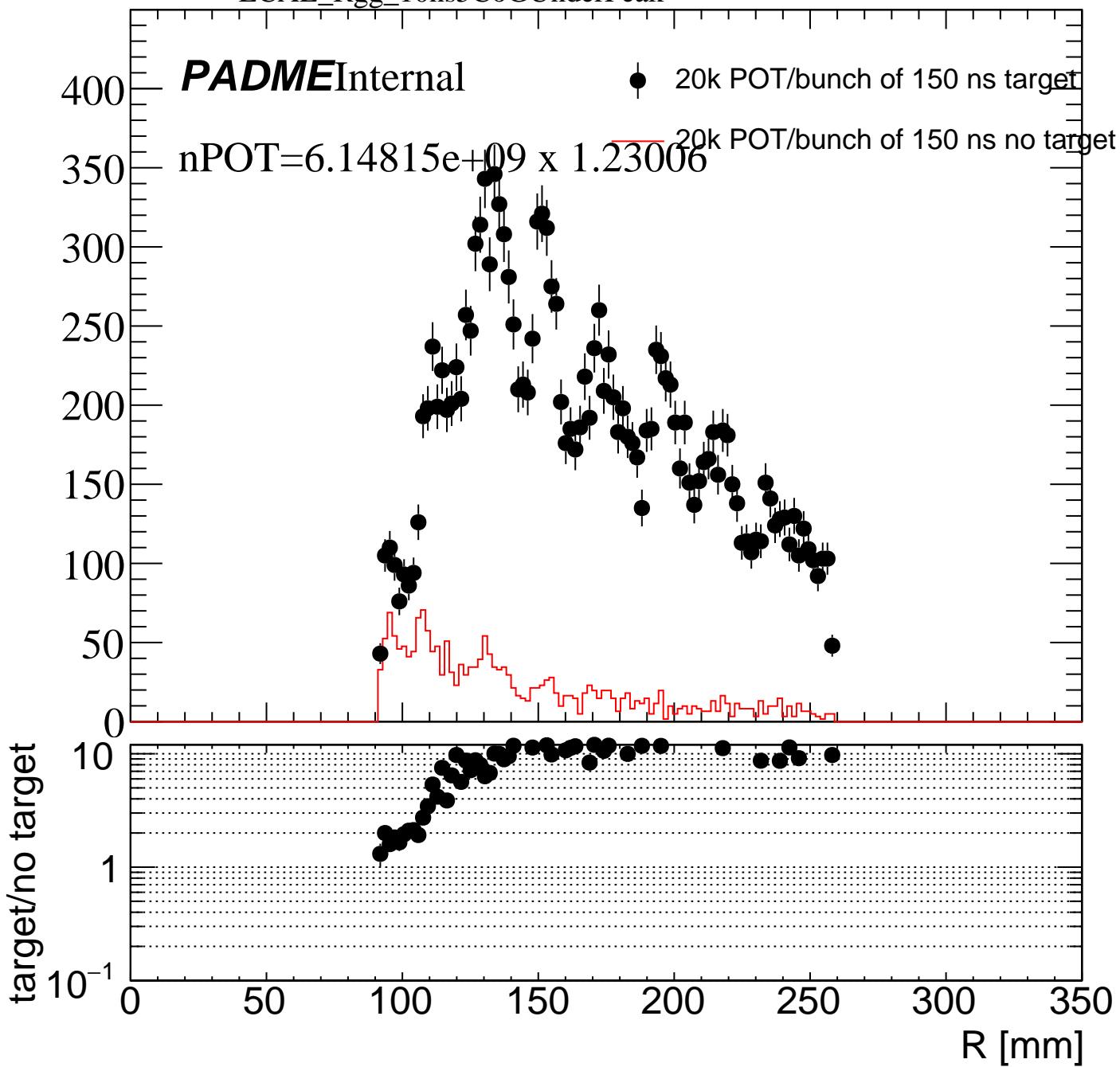
PADME Internal

• 20k POT/bunch of 150 ns target

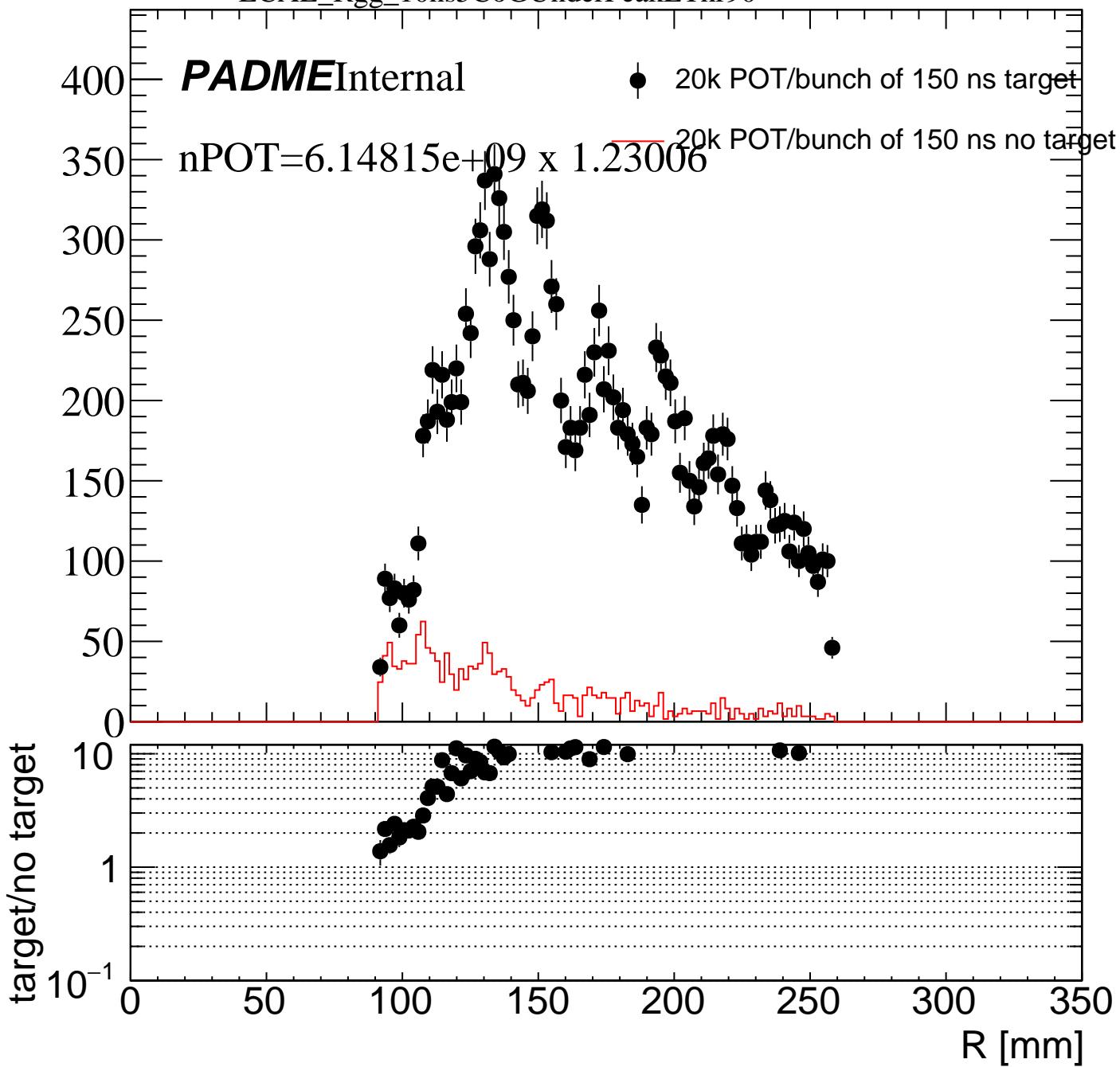
nPOT=6.14815e+09 x 1.23006
20k POT/bunch of 150 ns no target



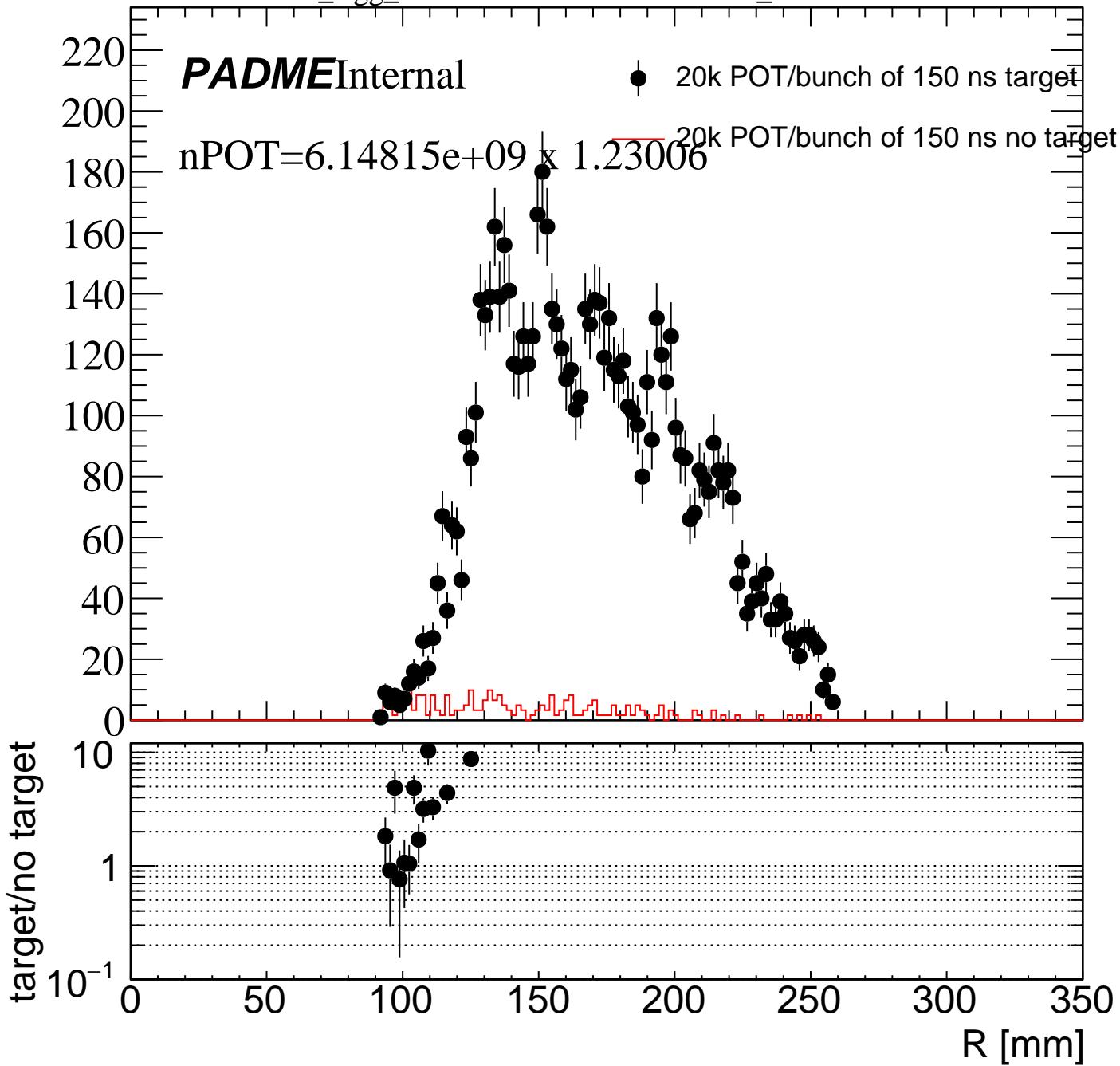
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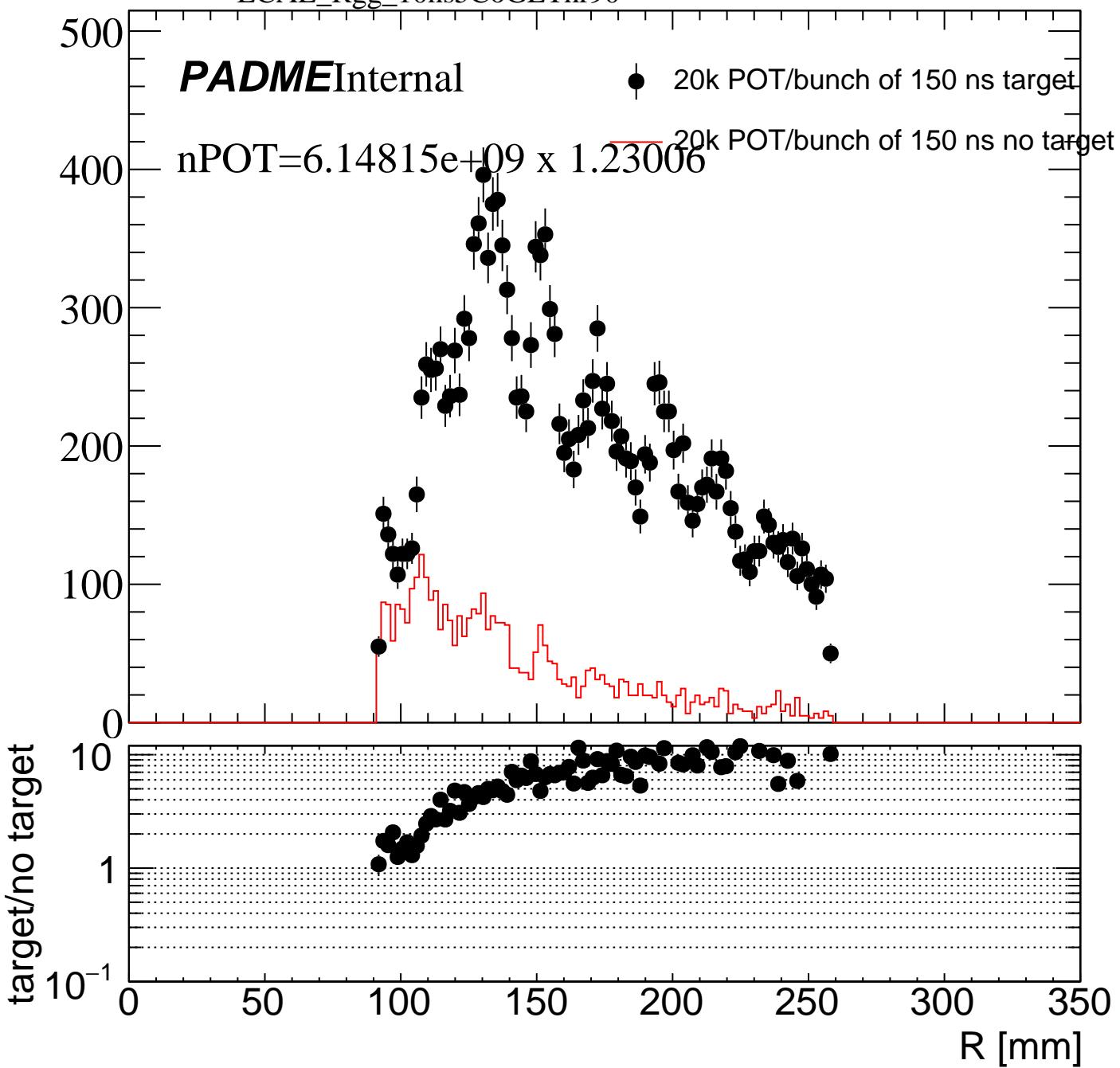
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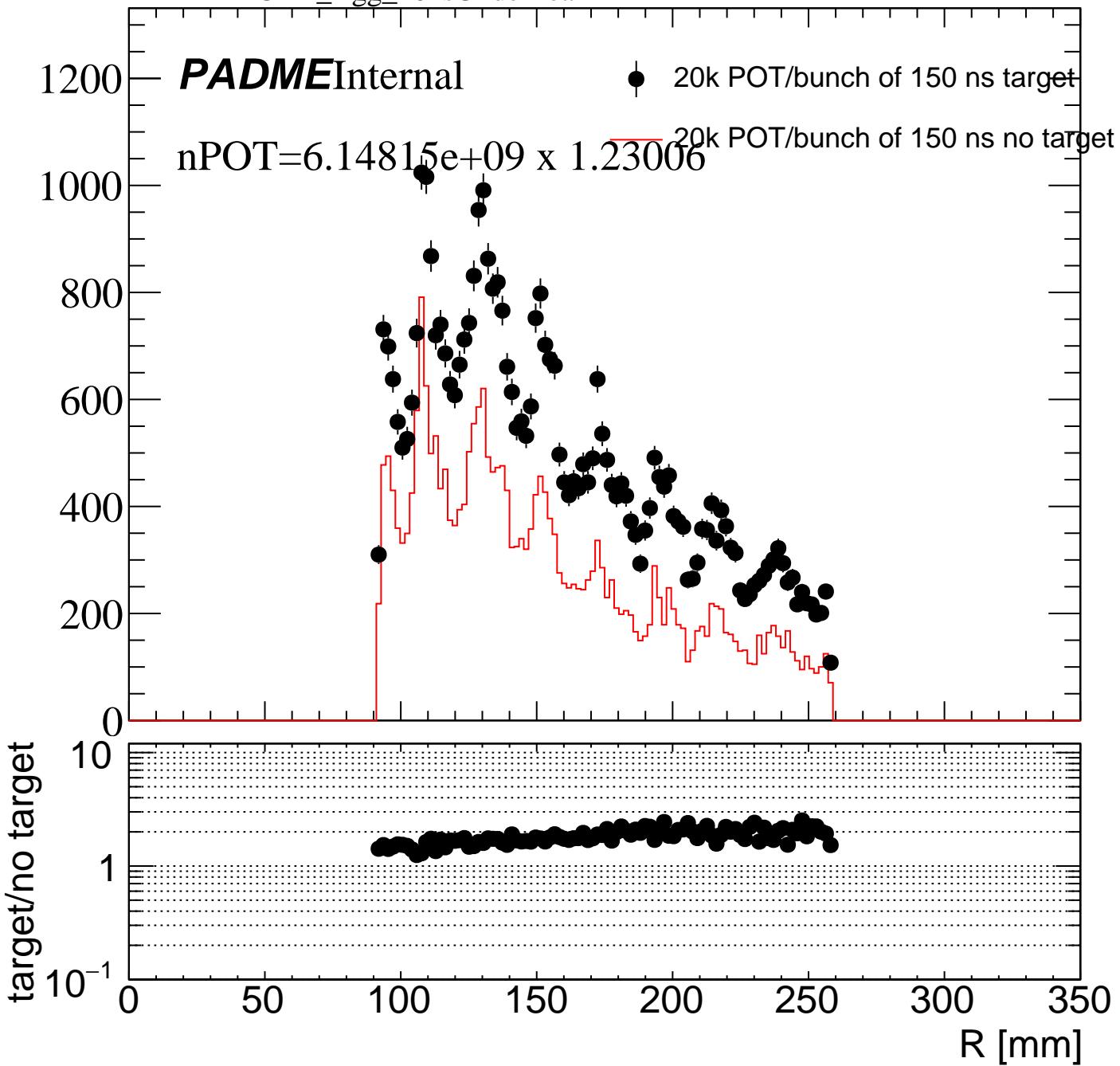
ECAL_Rgg_10ns5CoGUnderPeakEThr90_FRY



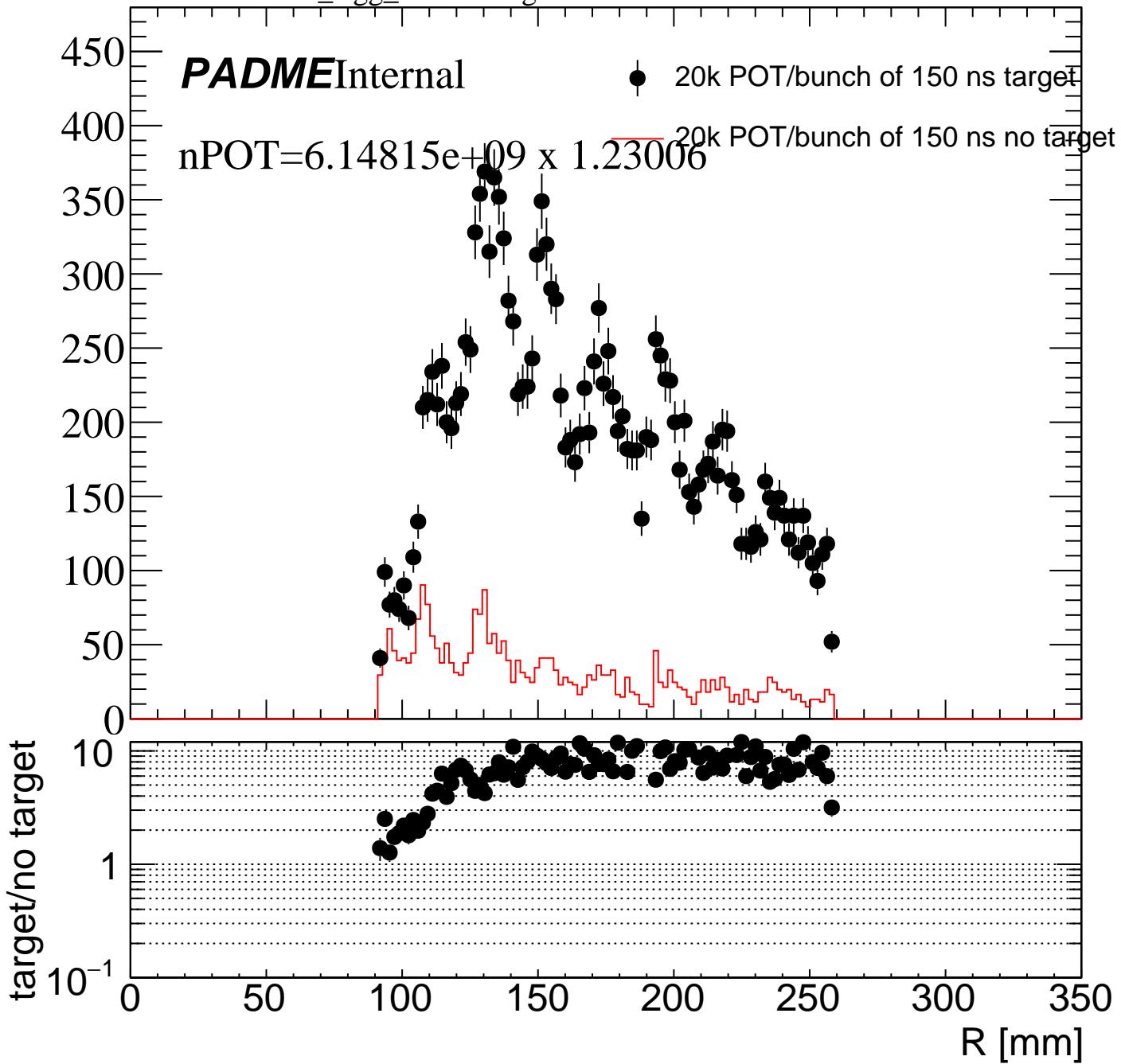
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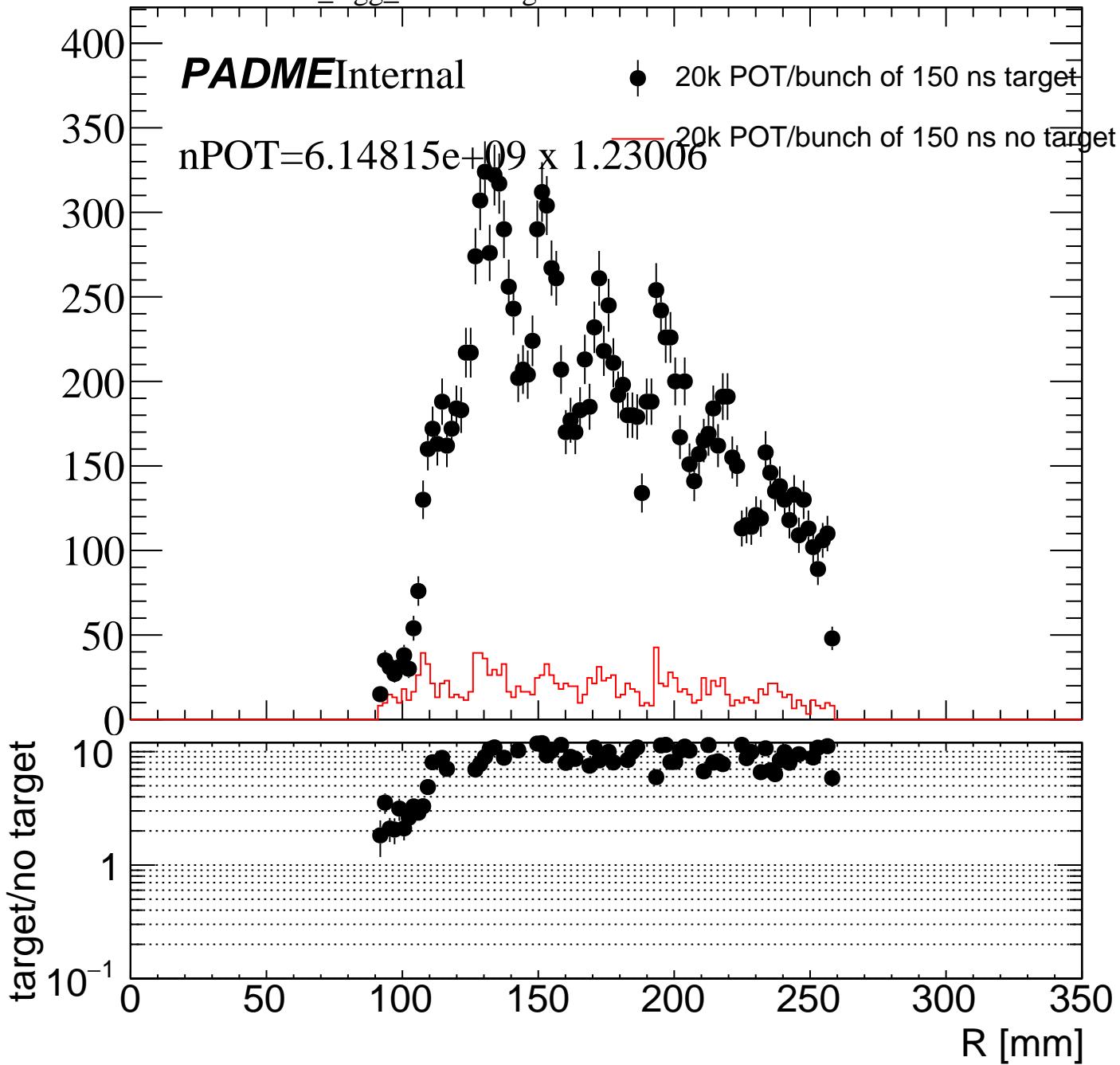
ECAL_Rgg_10nsUnderPeak



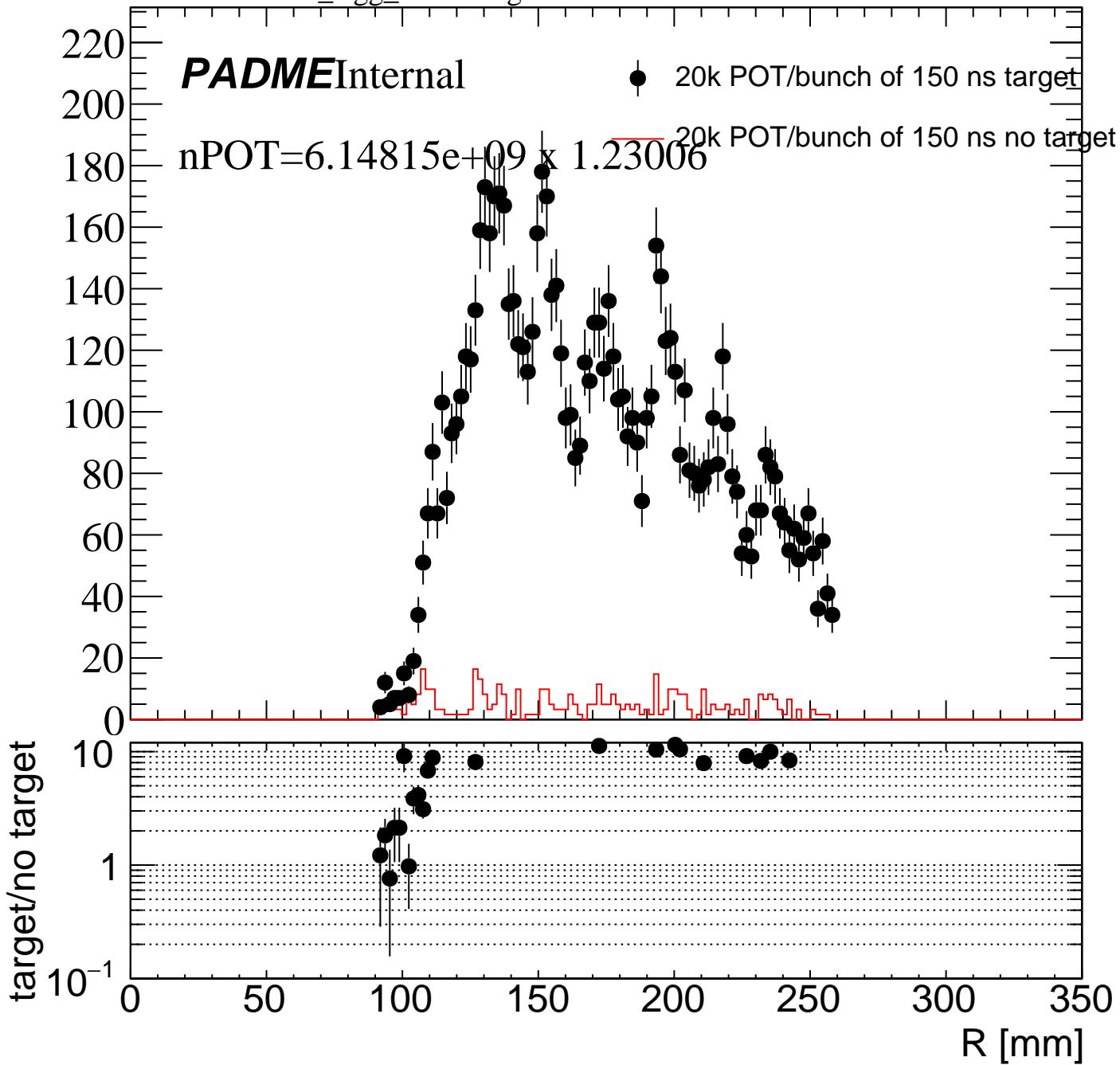
ECAL_Rgg_10ns20DegreeUnderPeak



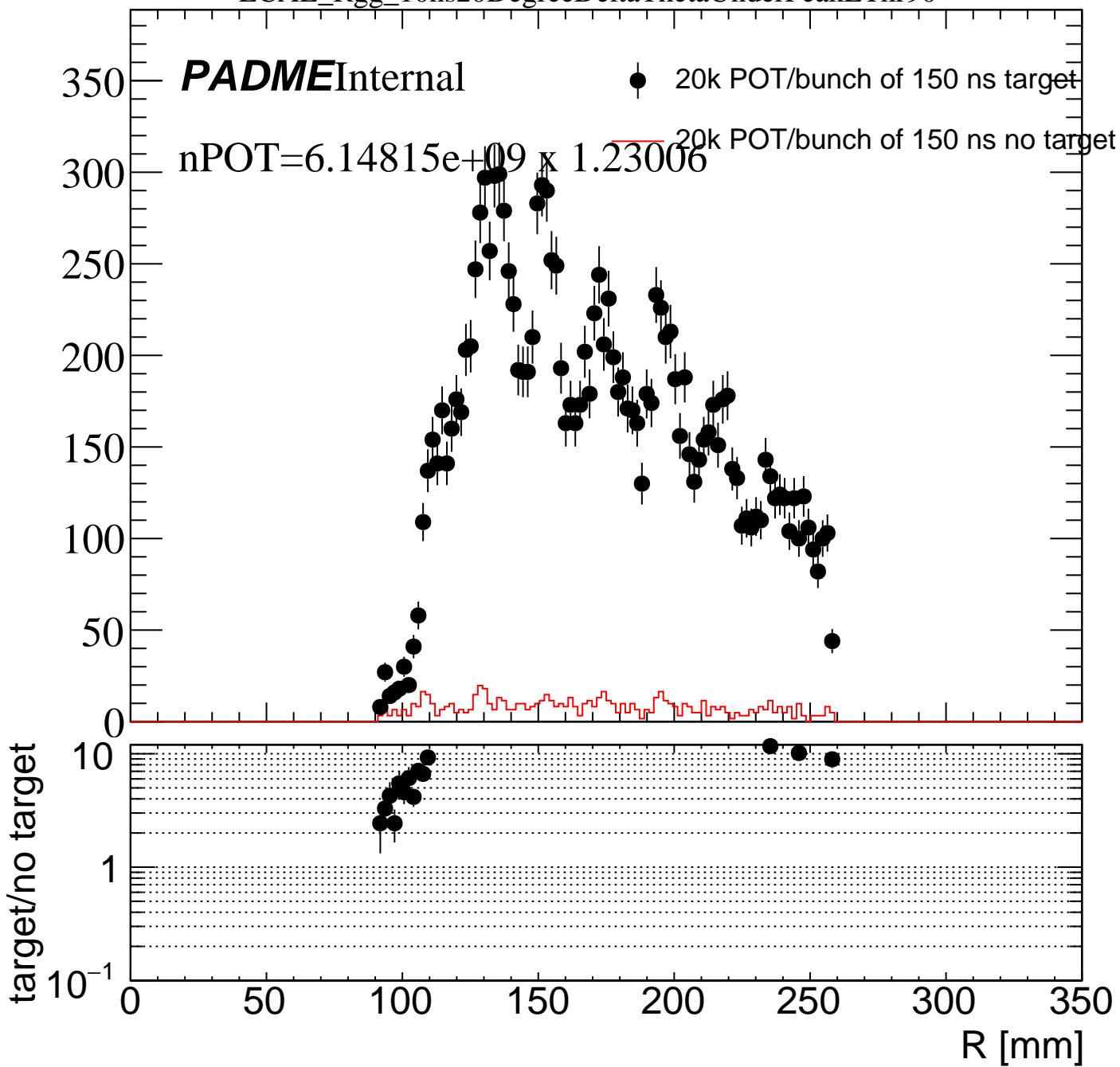
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak

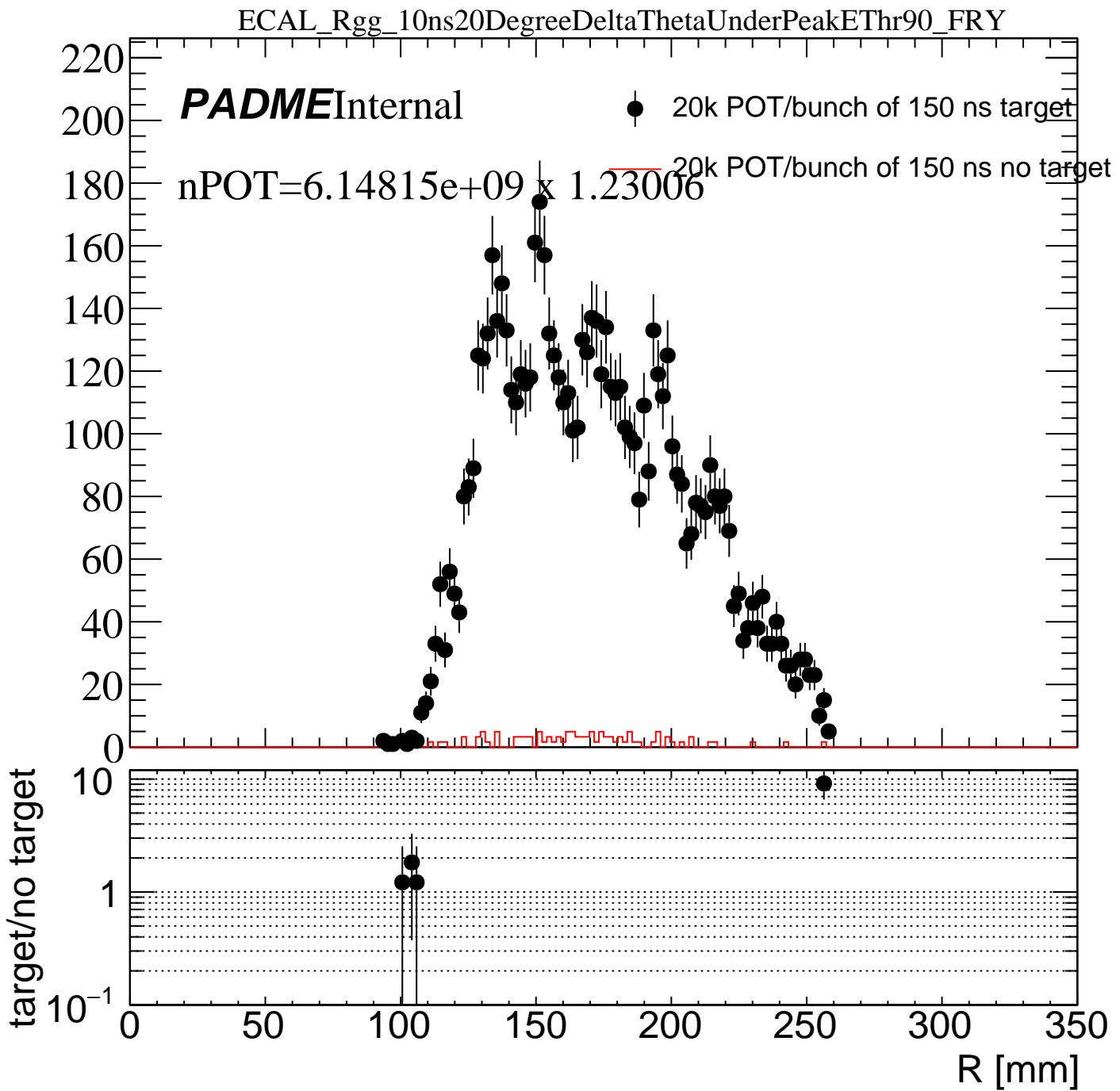


ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak

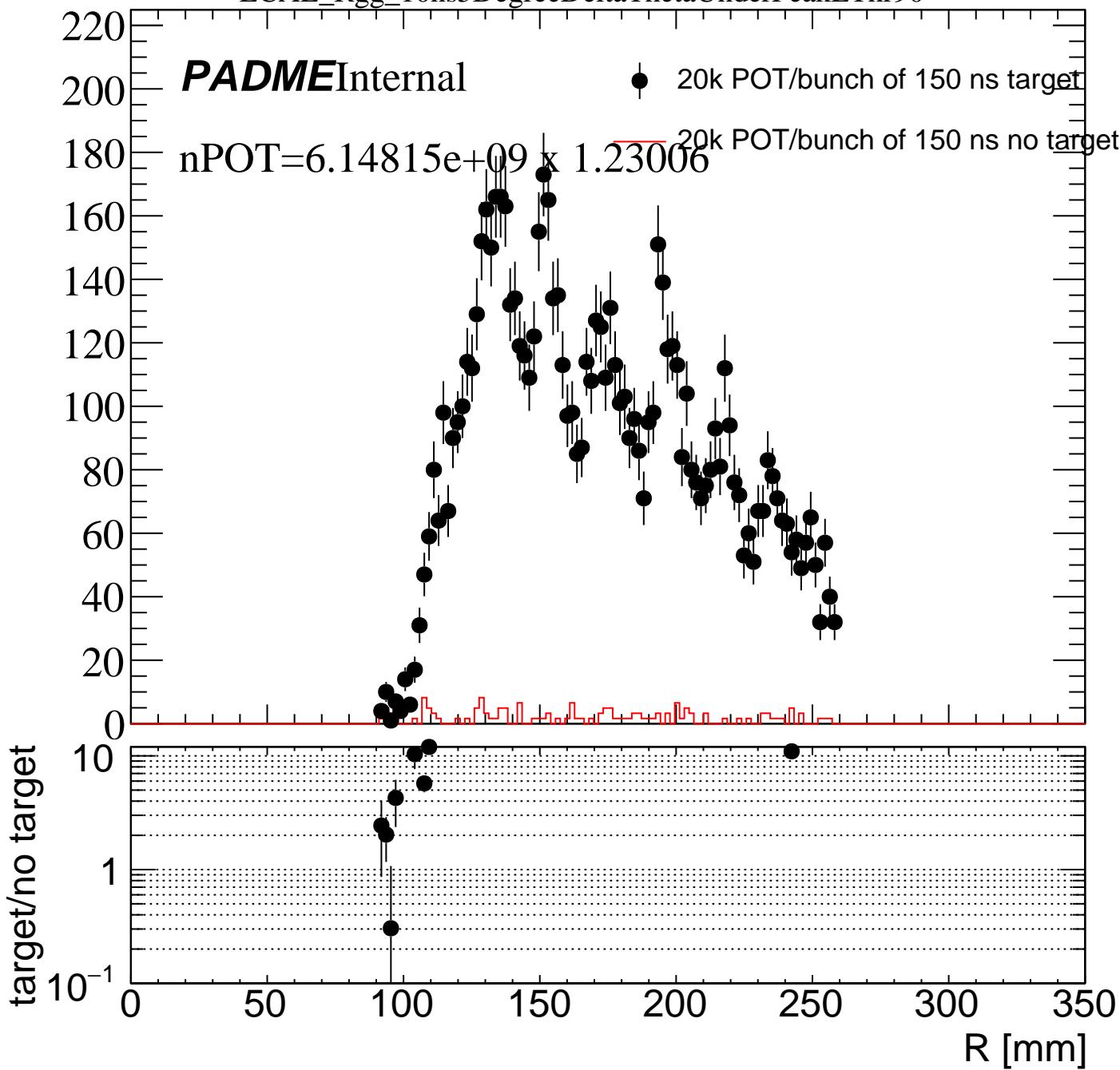


ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90

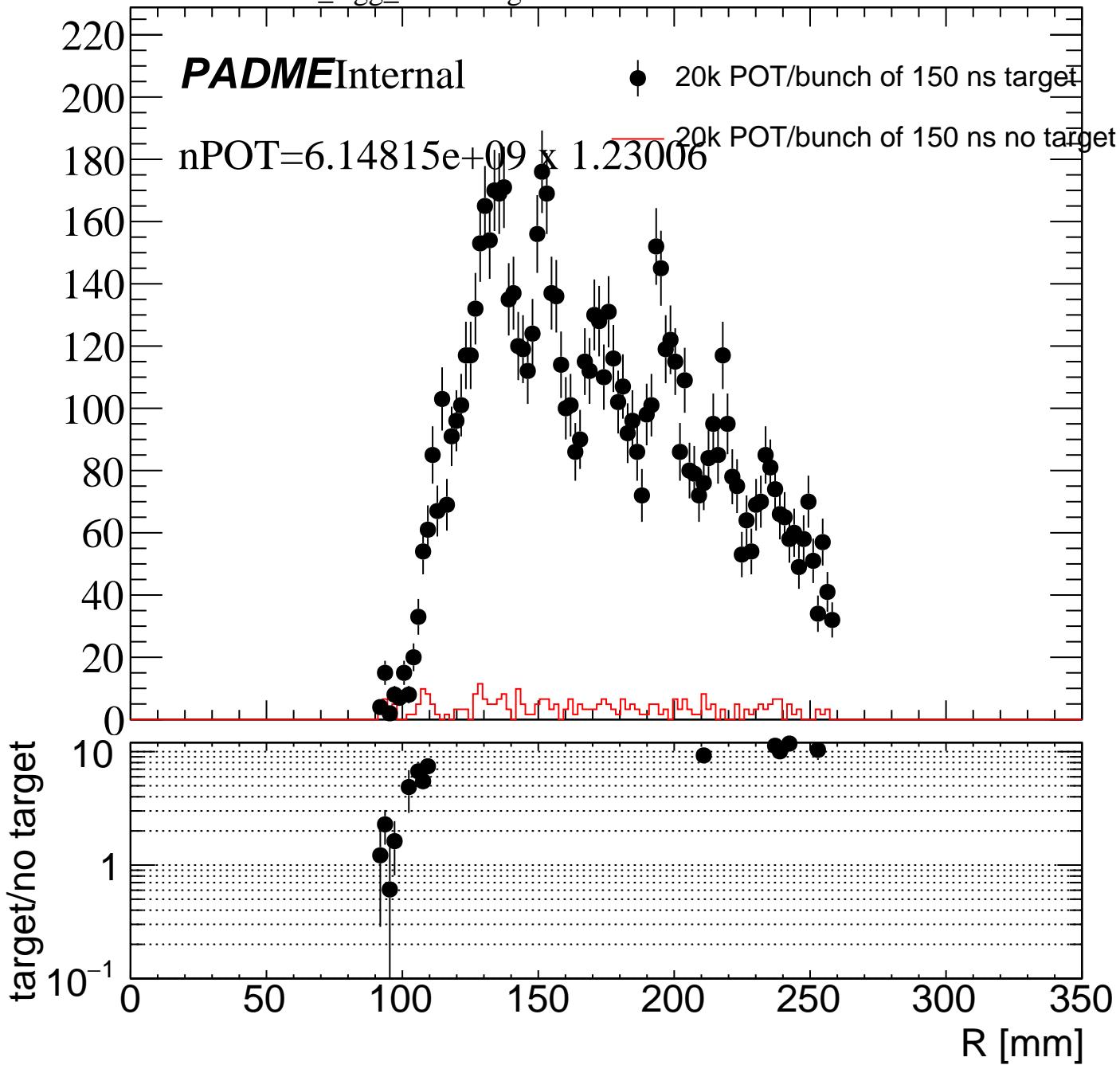




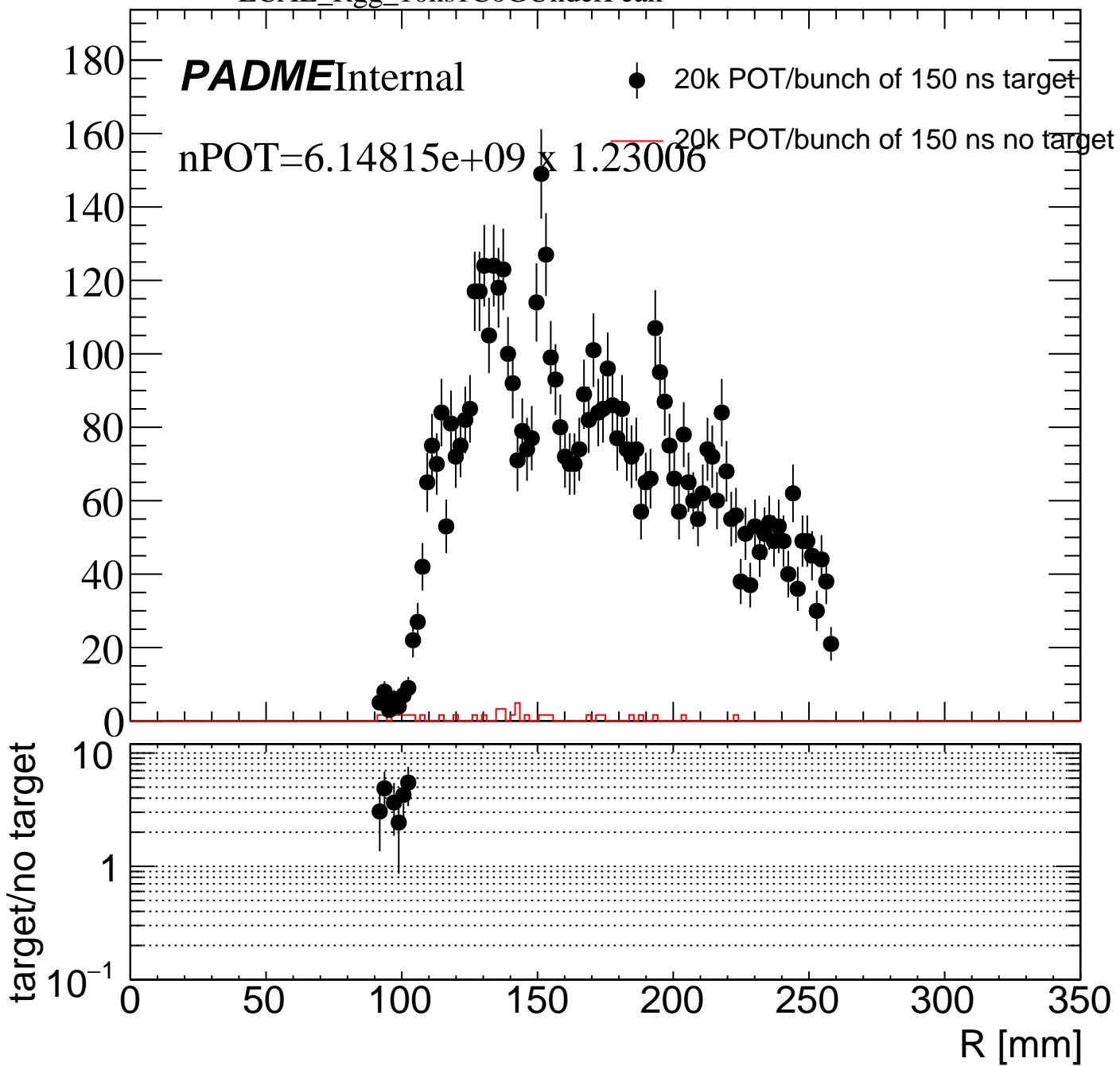
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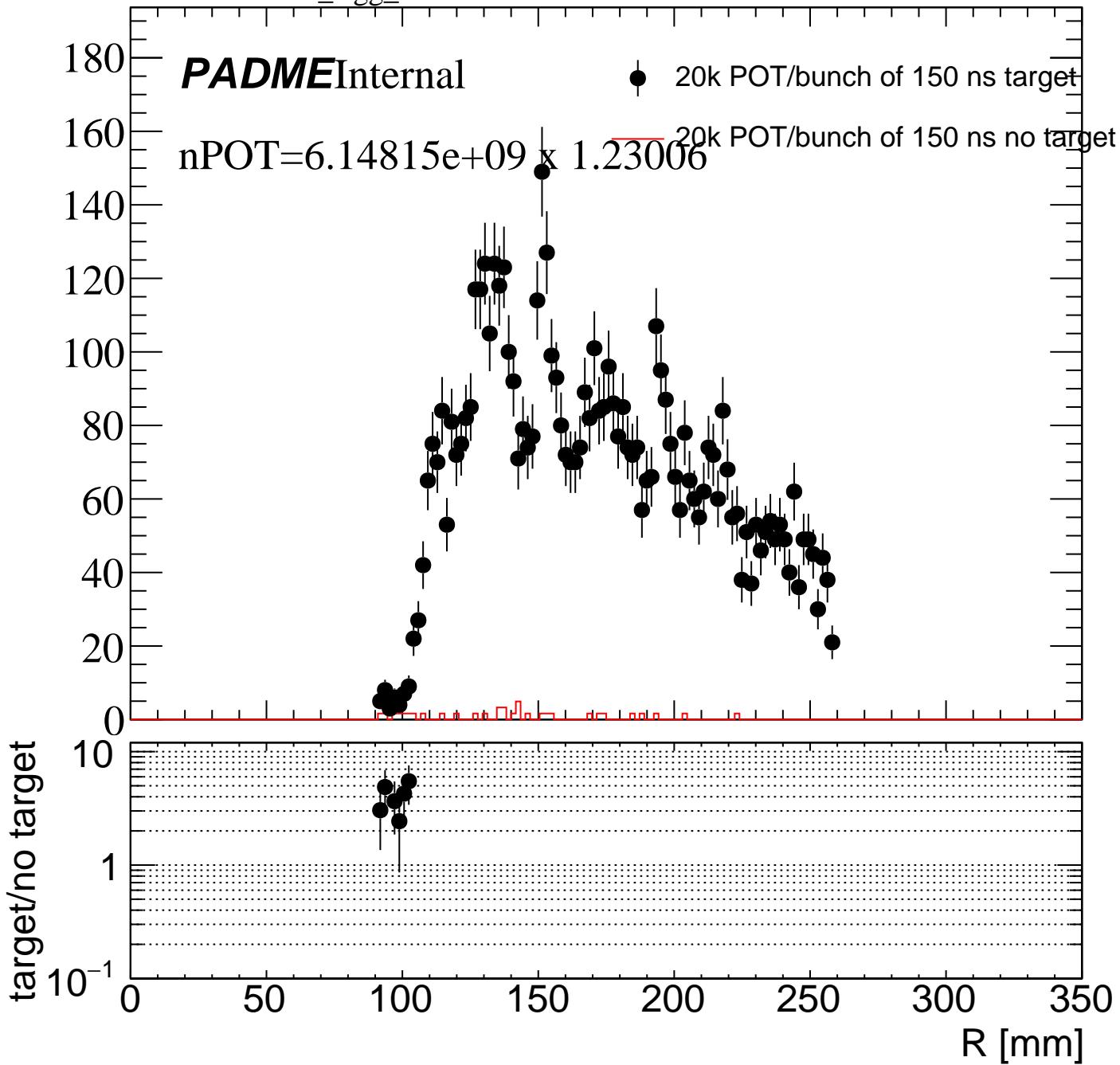
ECAL_Rgg_10ns5DegreeDeltaThetaETHr90



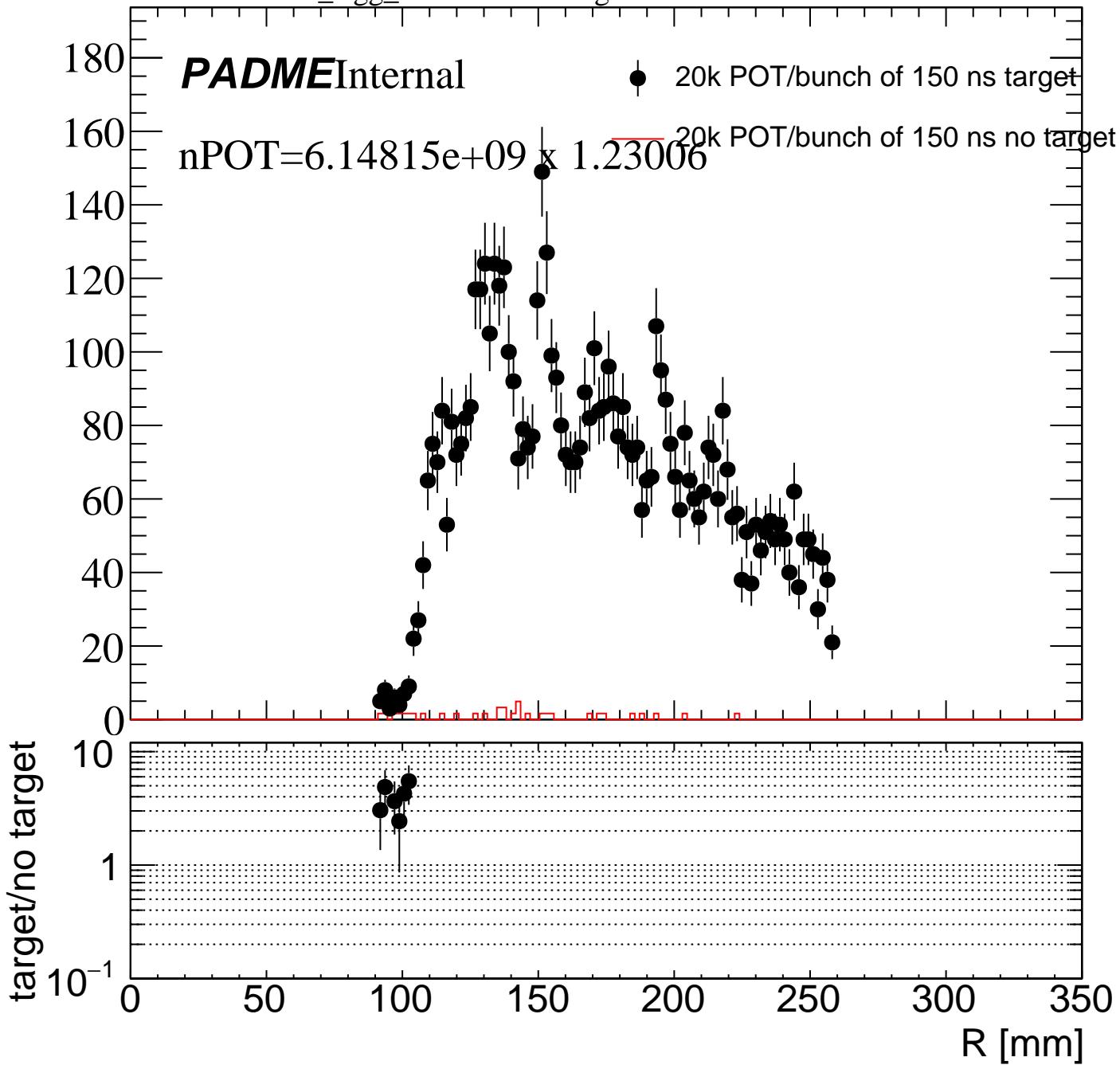
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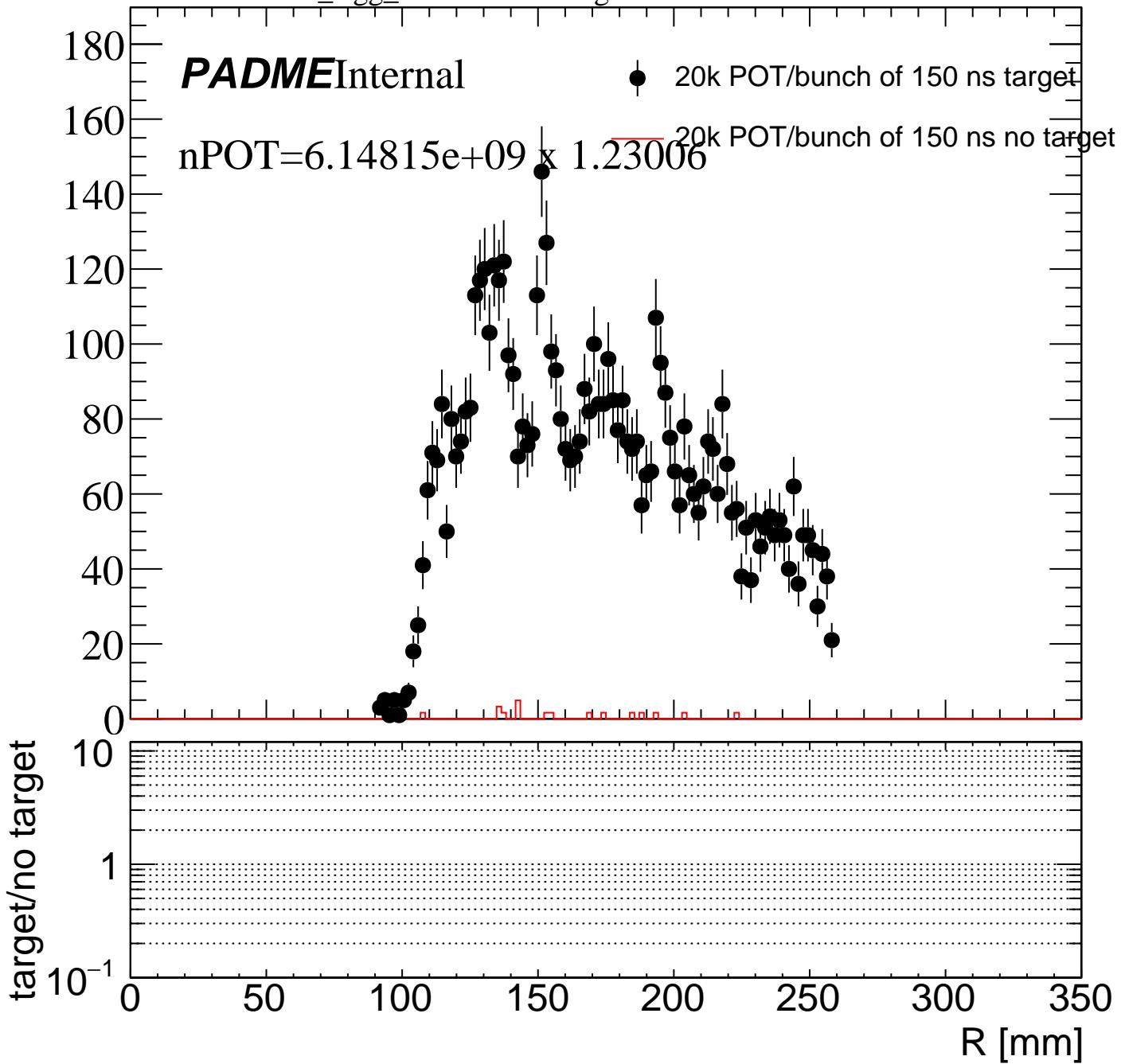
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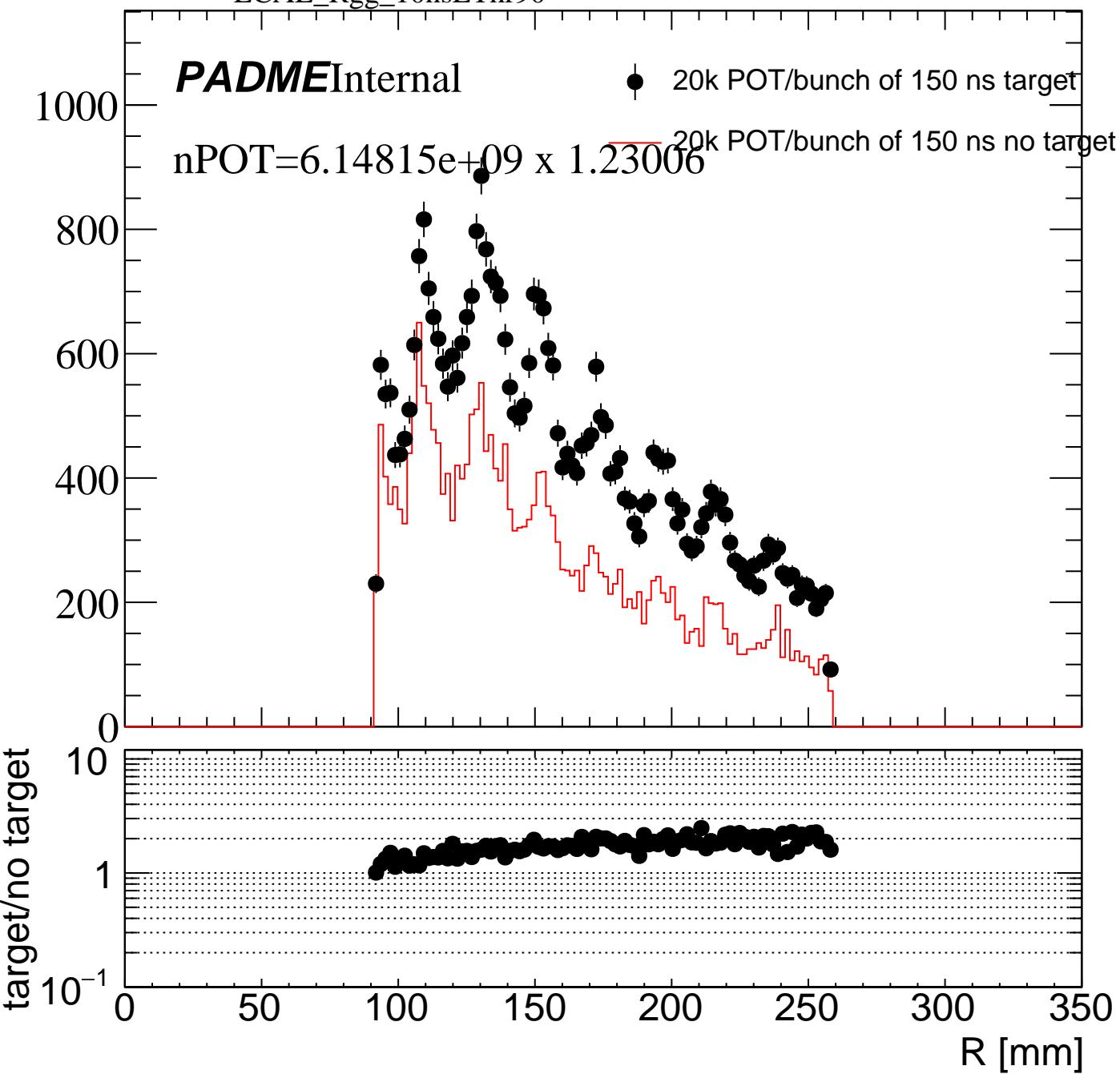
ECAL_Rgg_10ns1CoG20DegreeUnderPeak



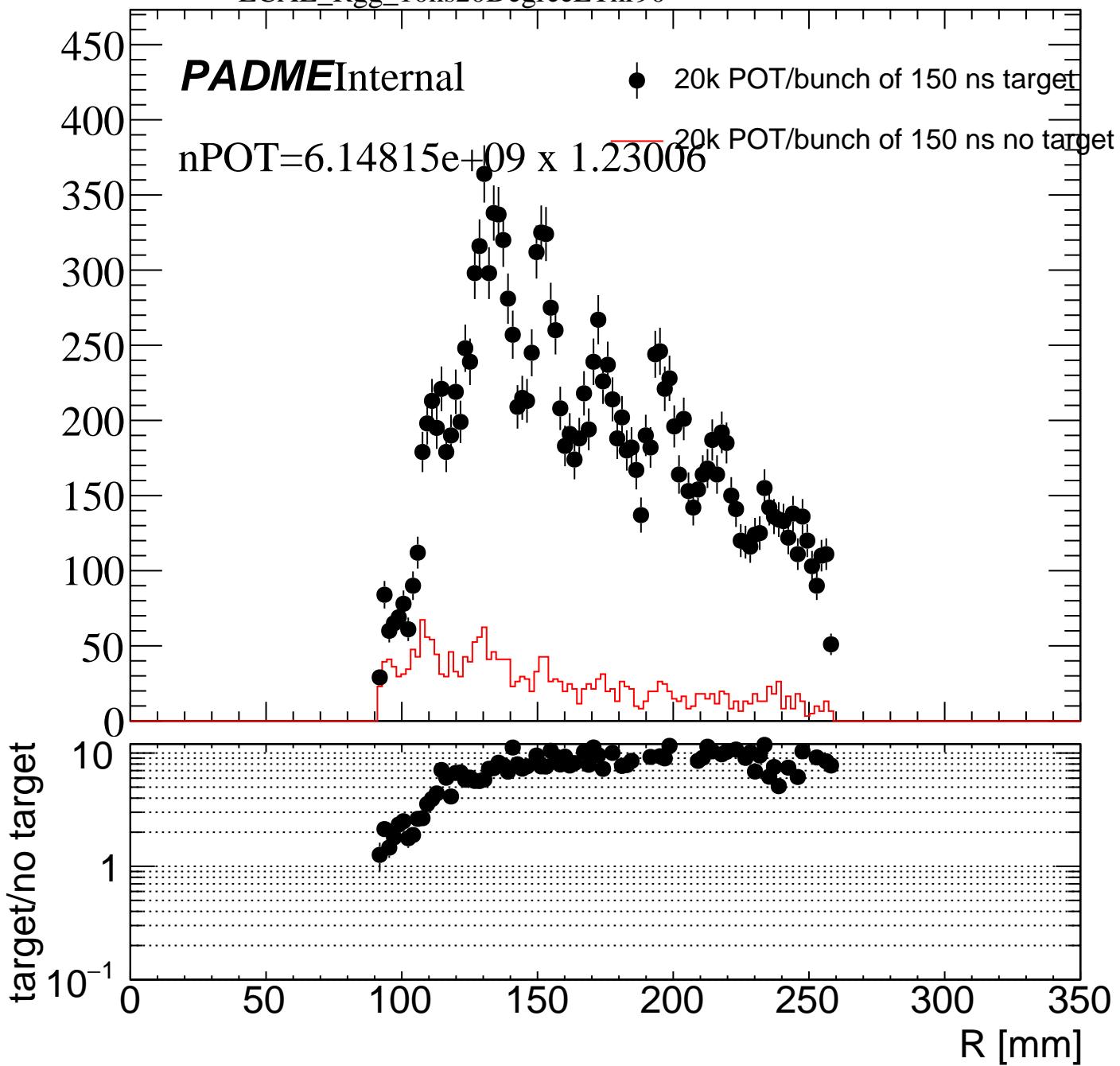
ECAL_Rgg_10ns1CoG20DegreeDeltaThetaUnderPeak



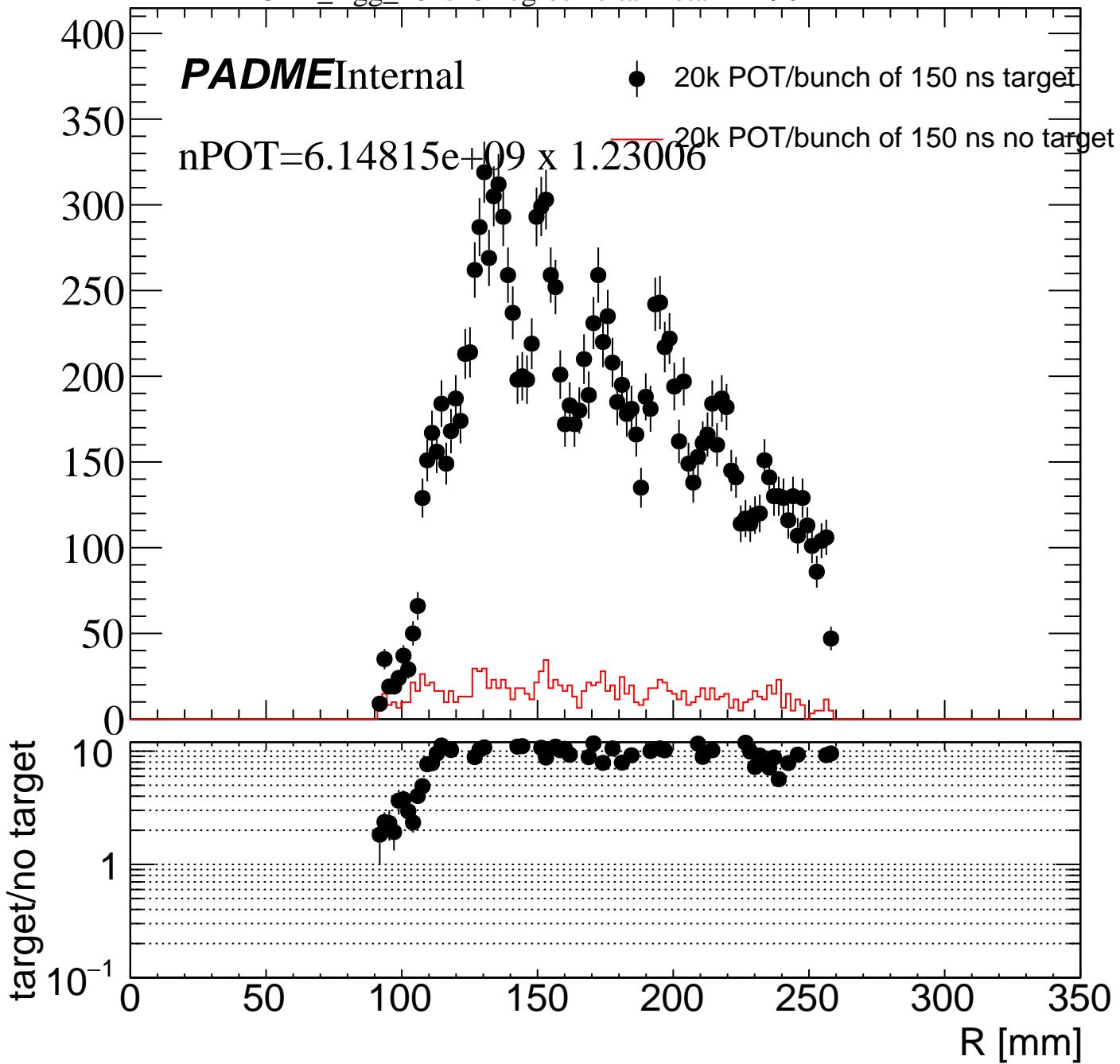
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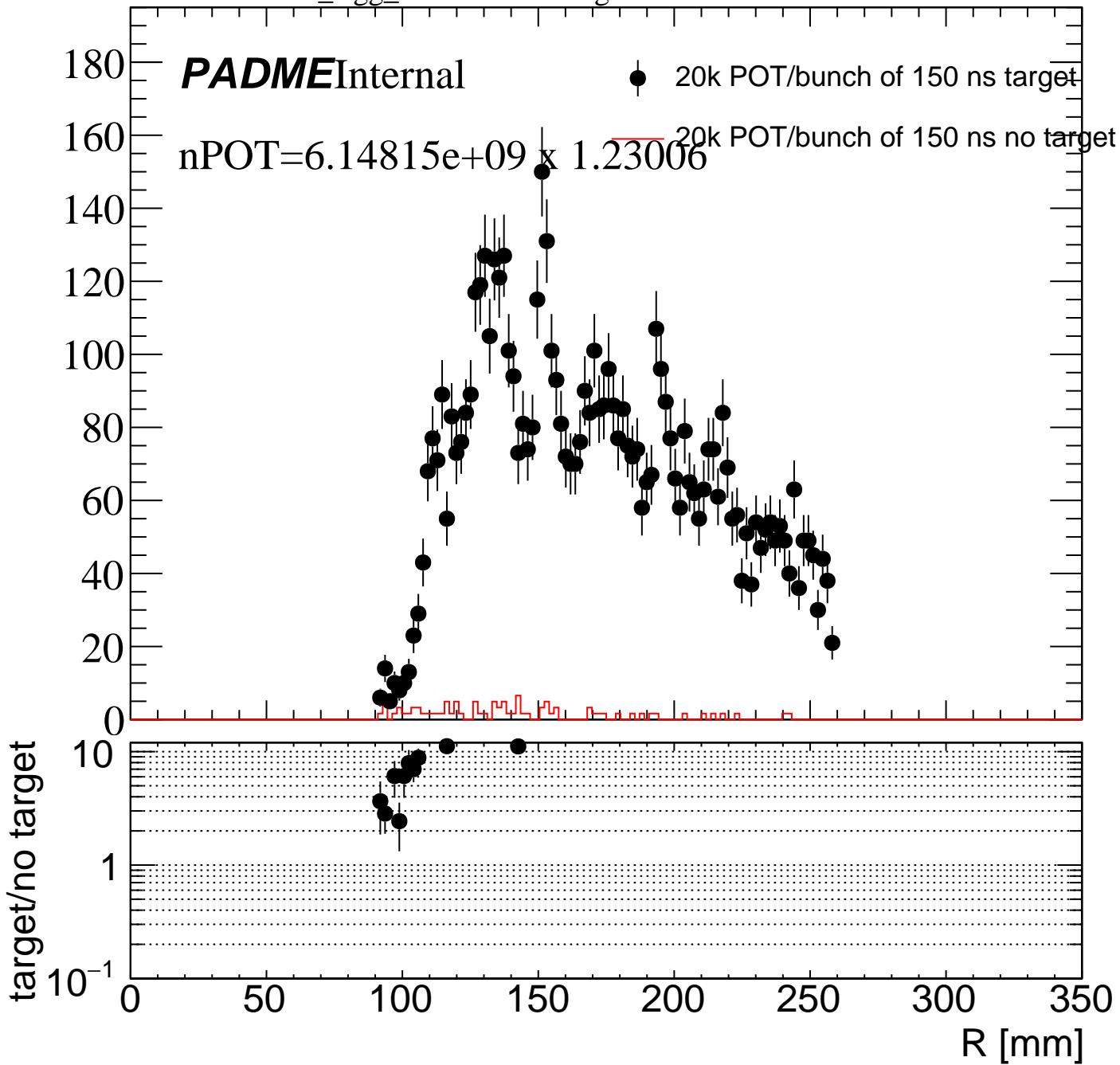
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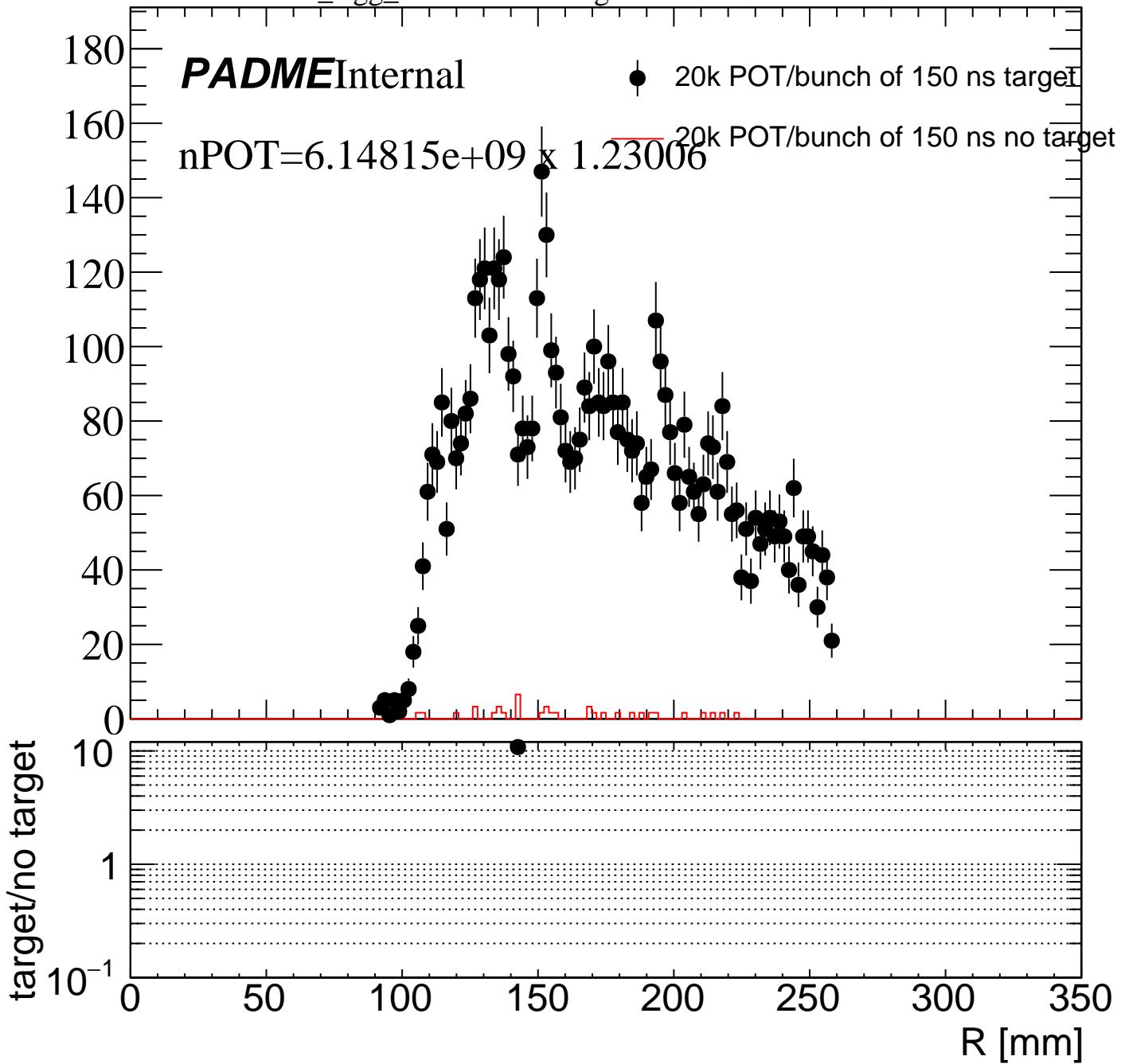
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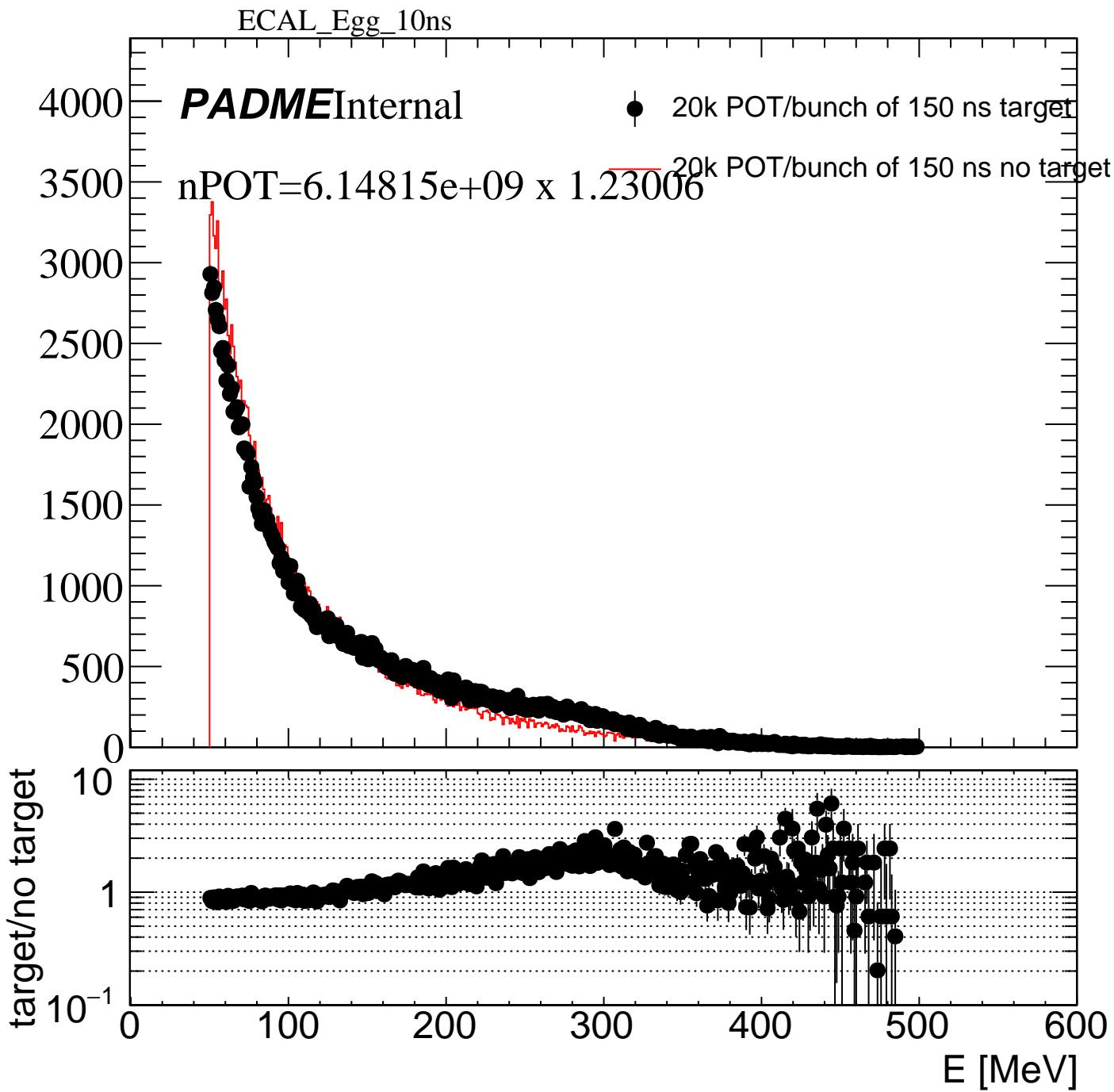


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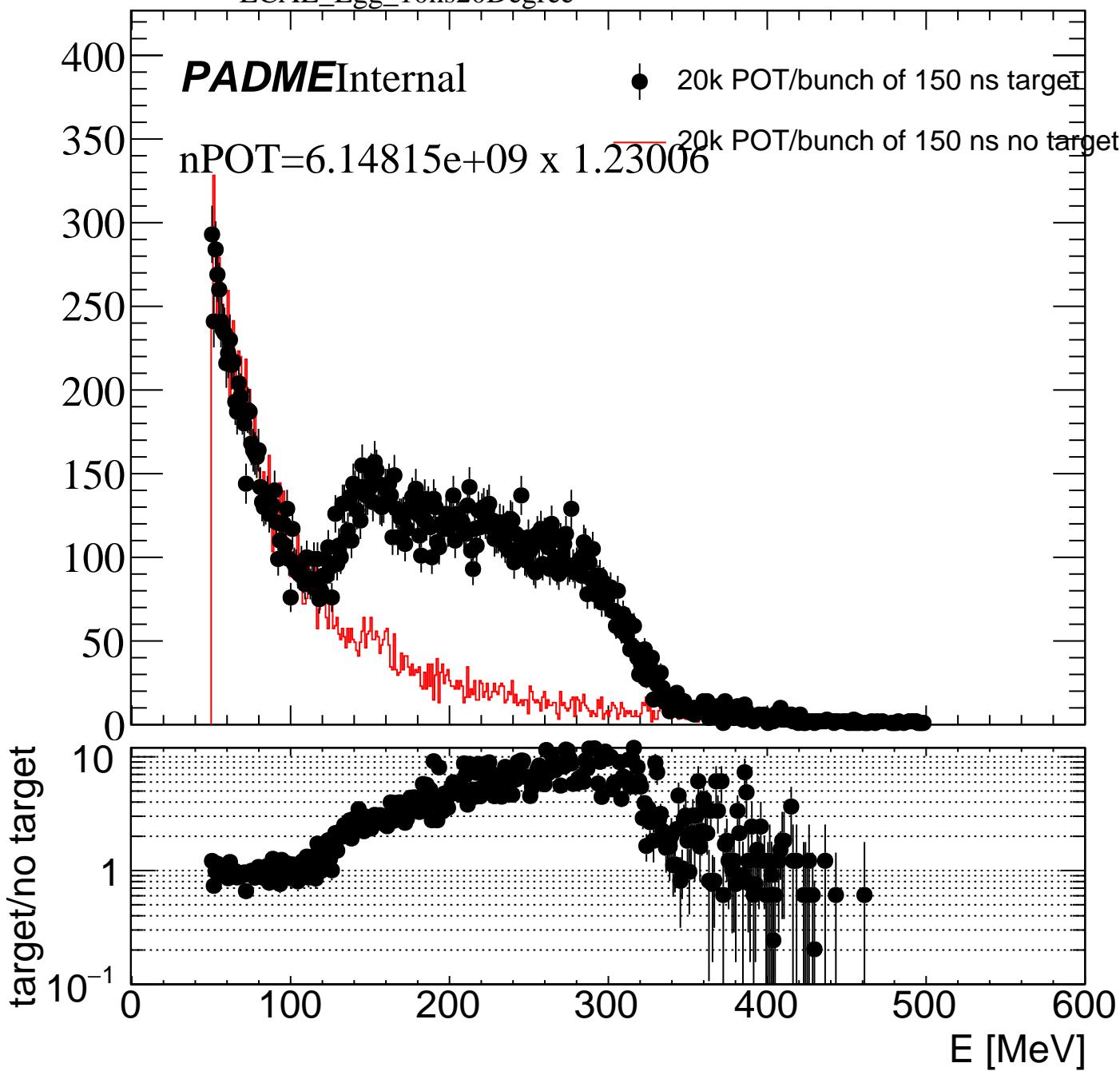


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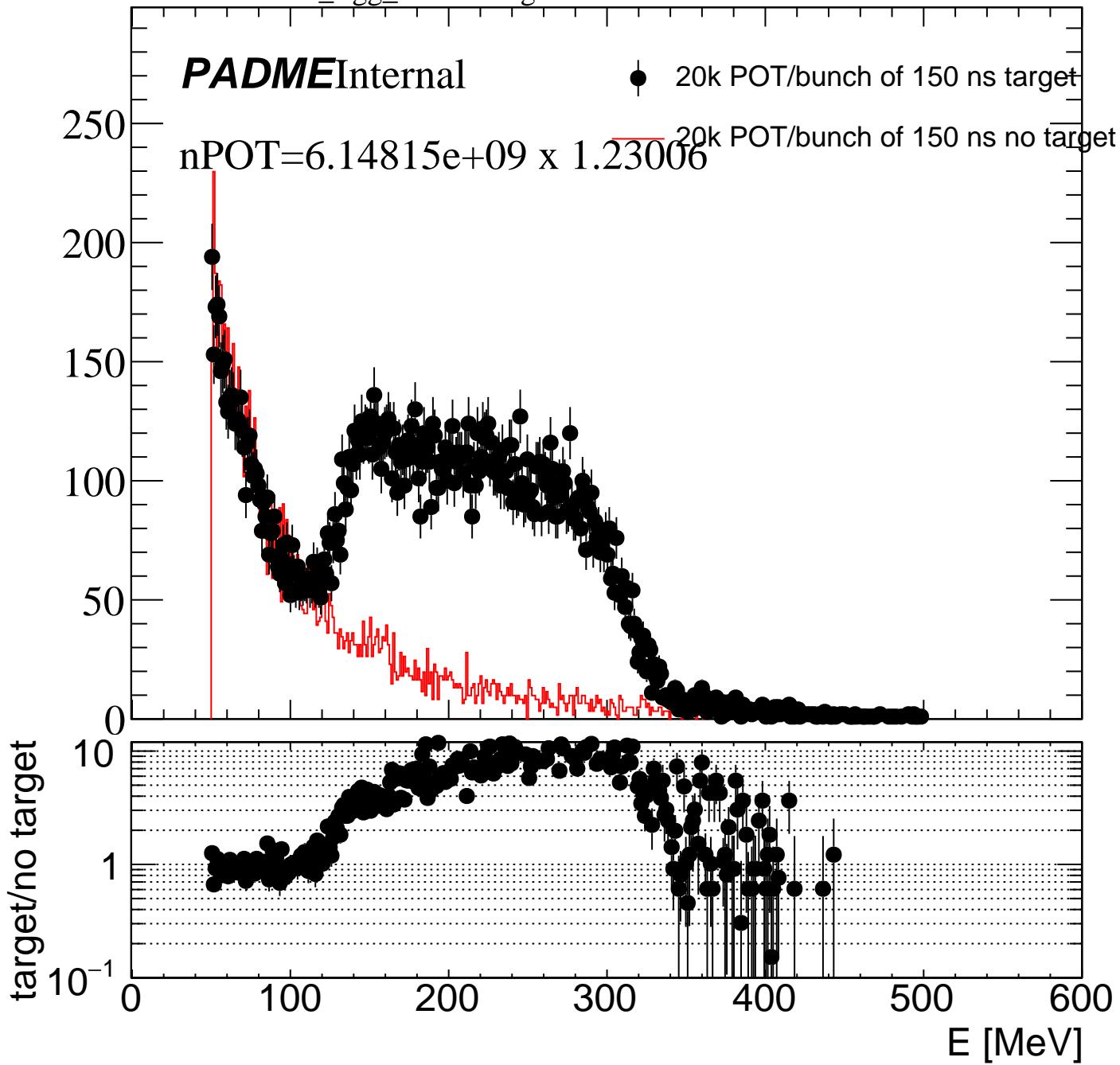




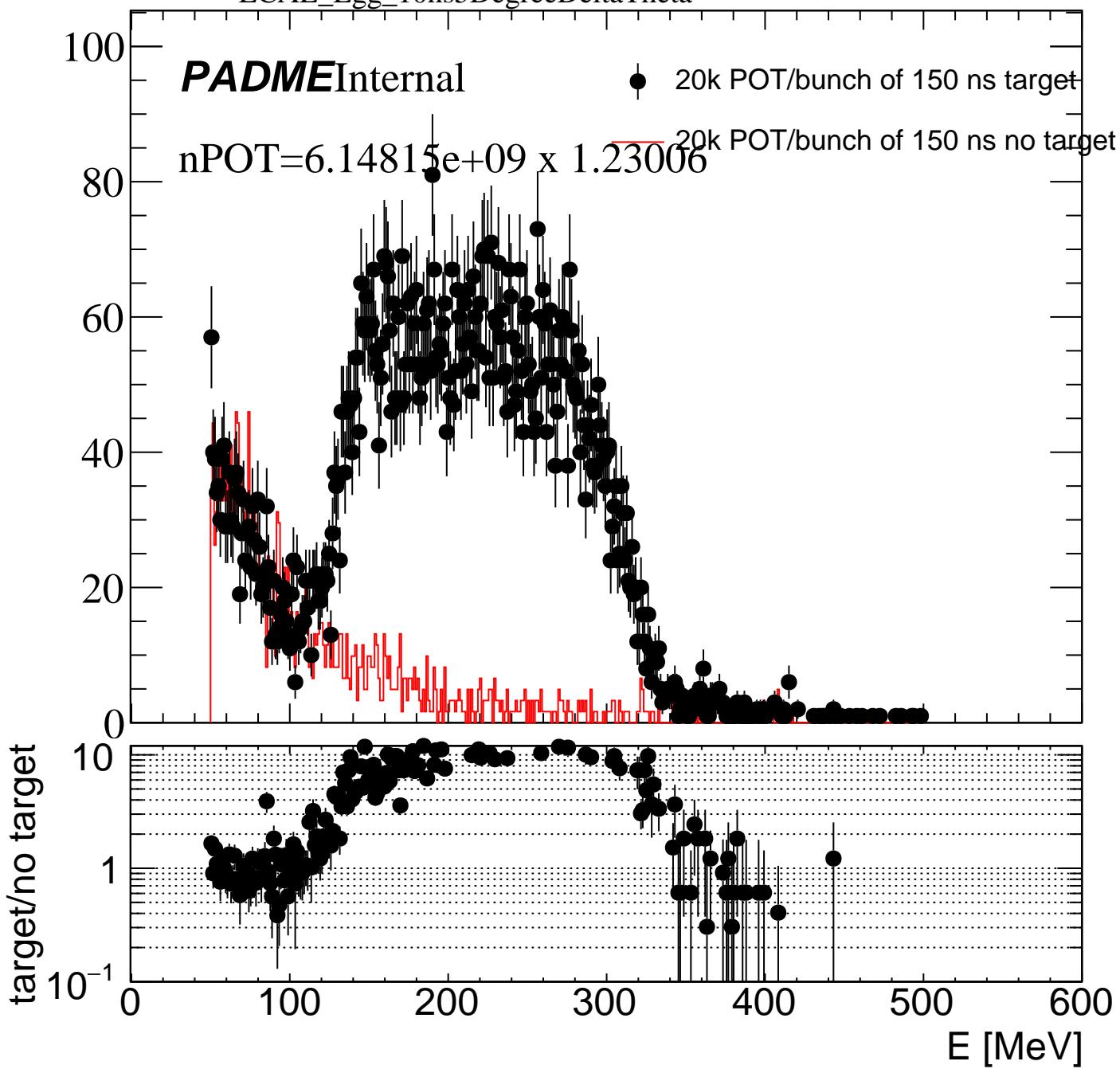
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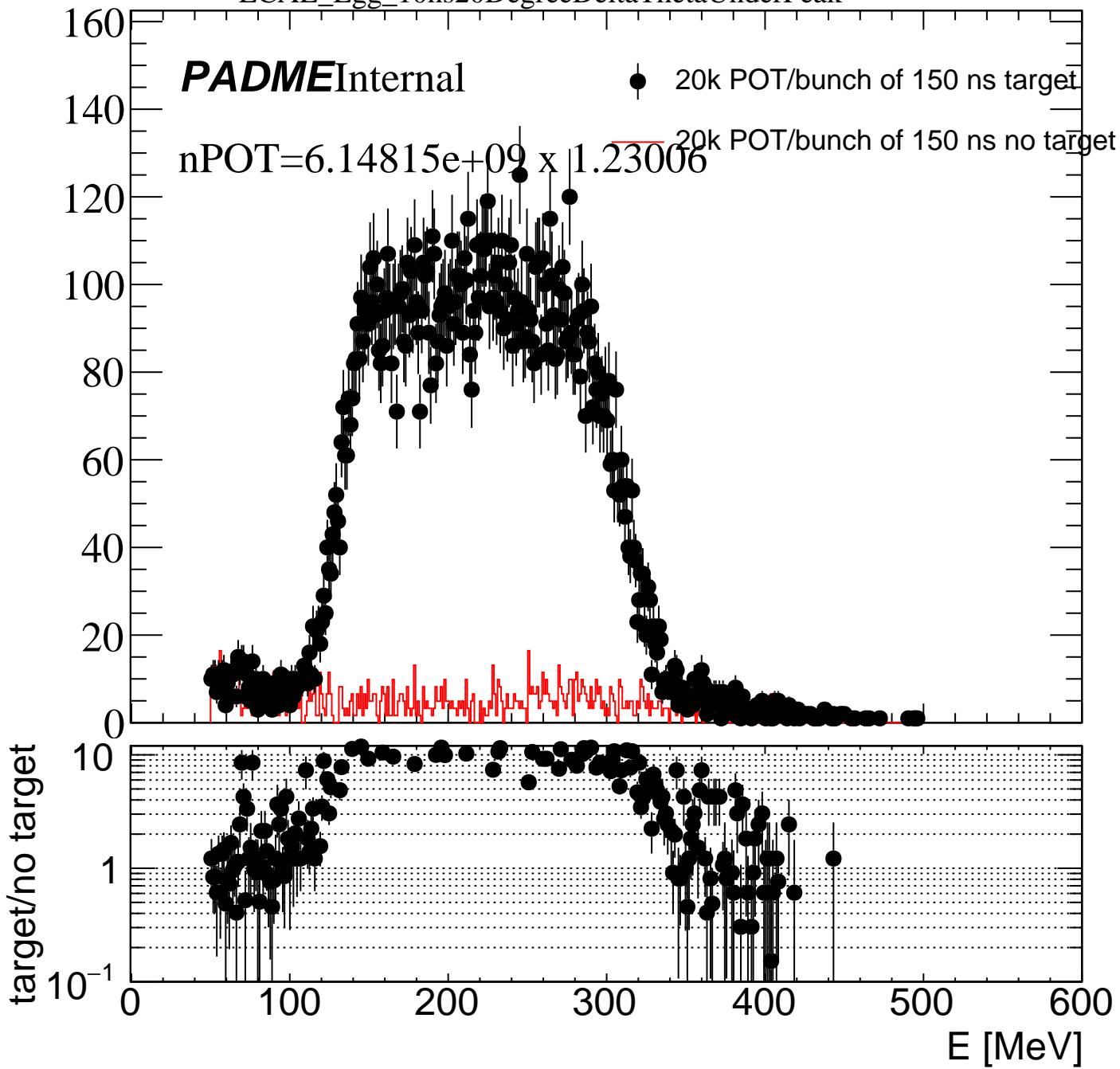
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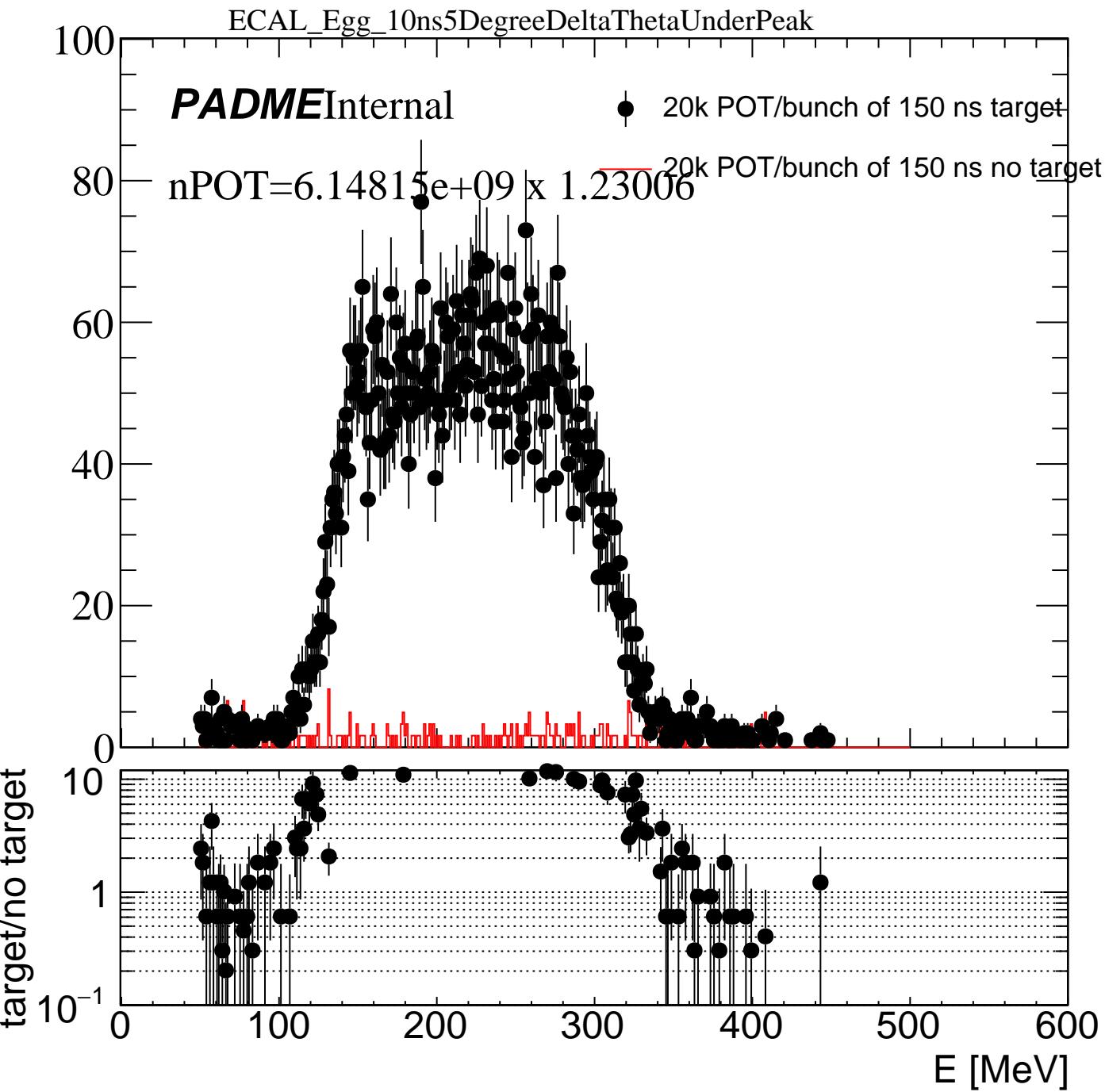


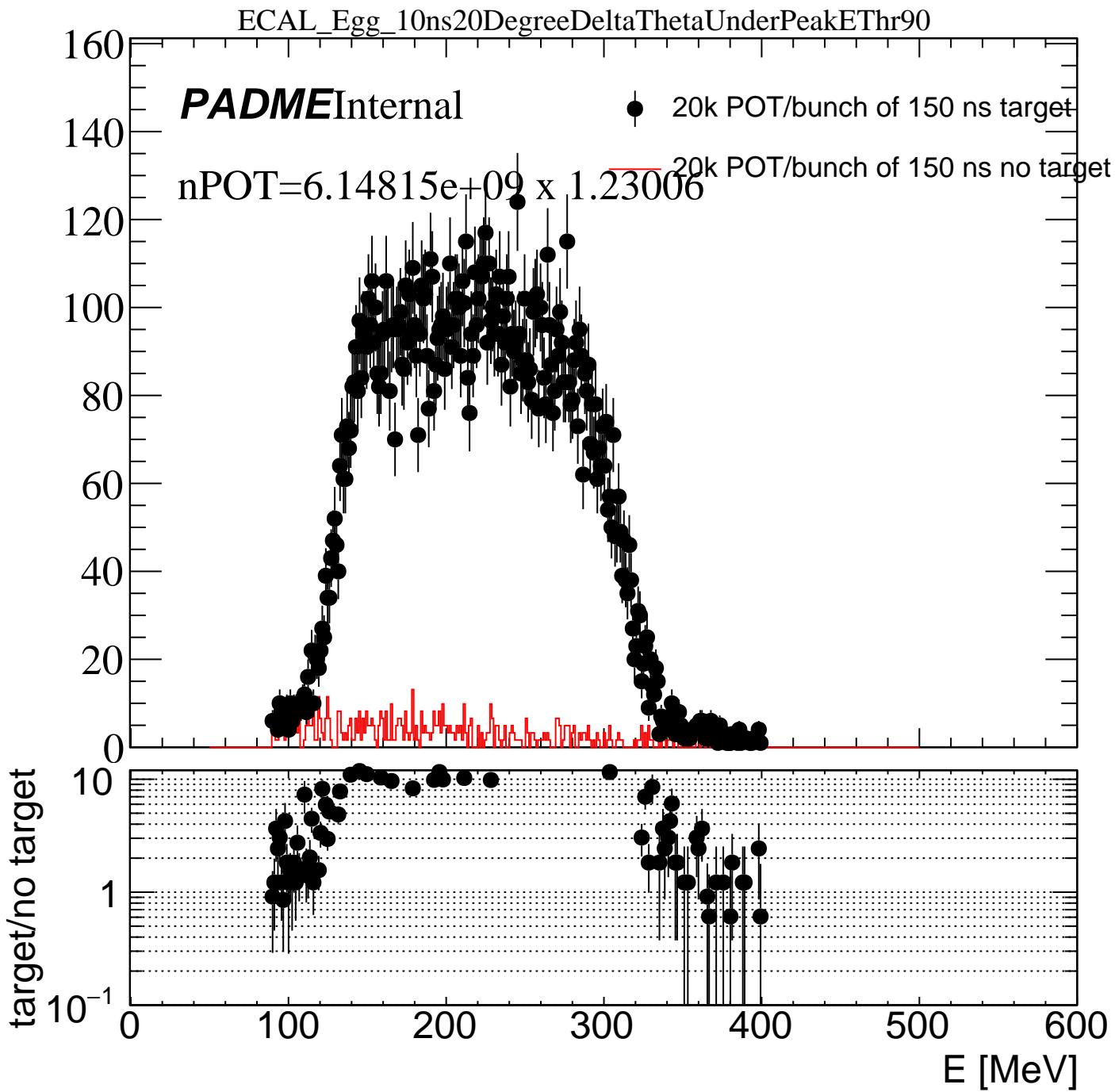
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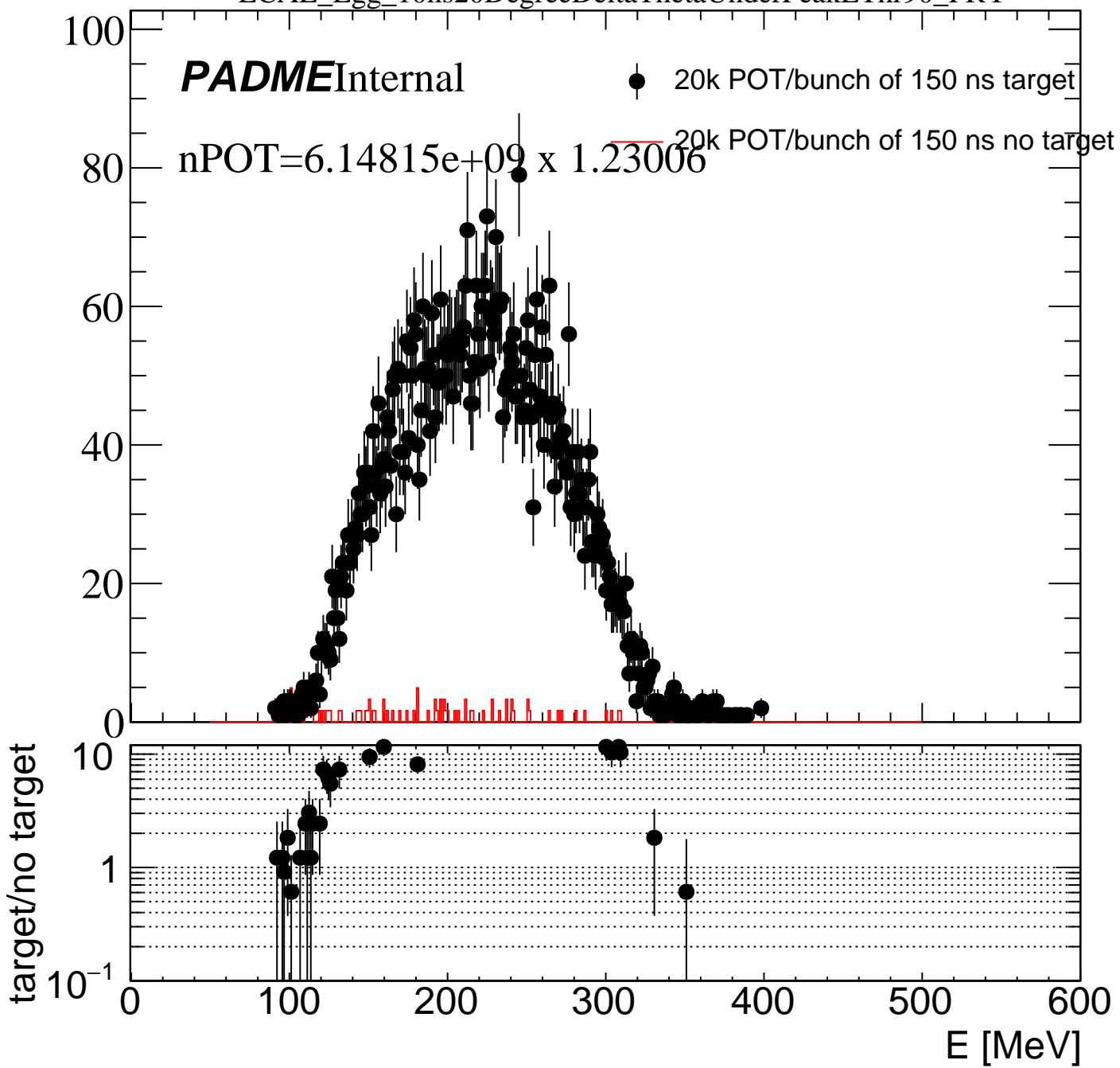
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak

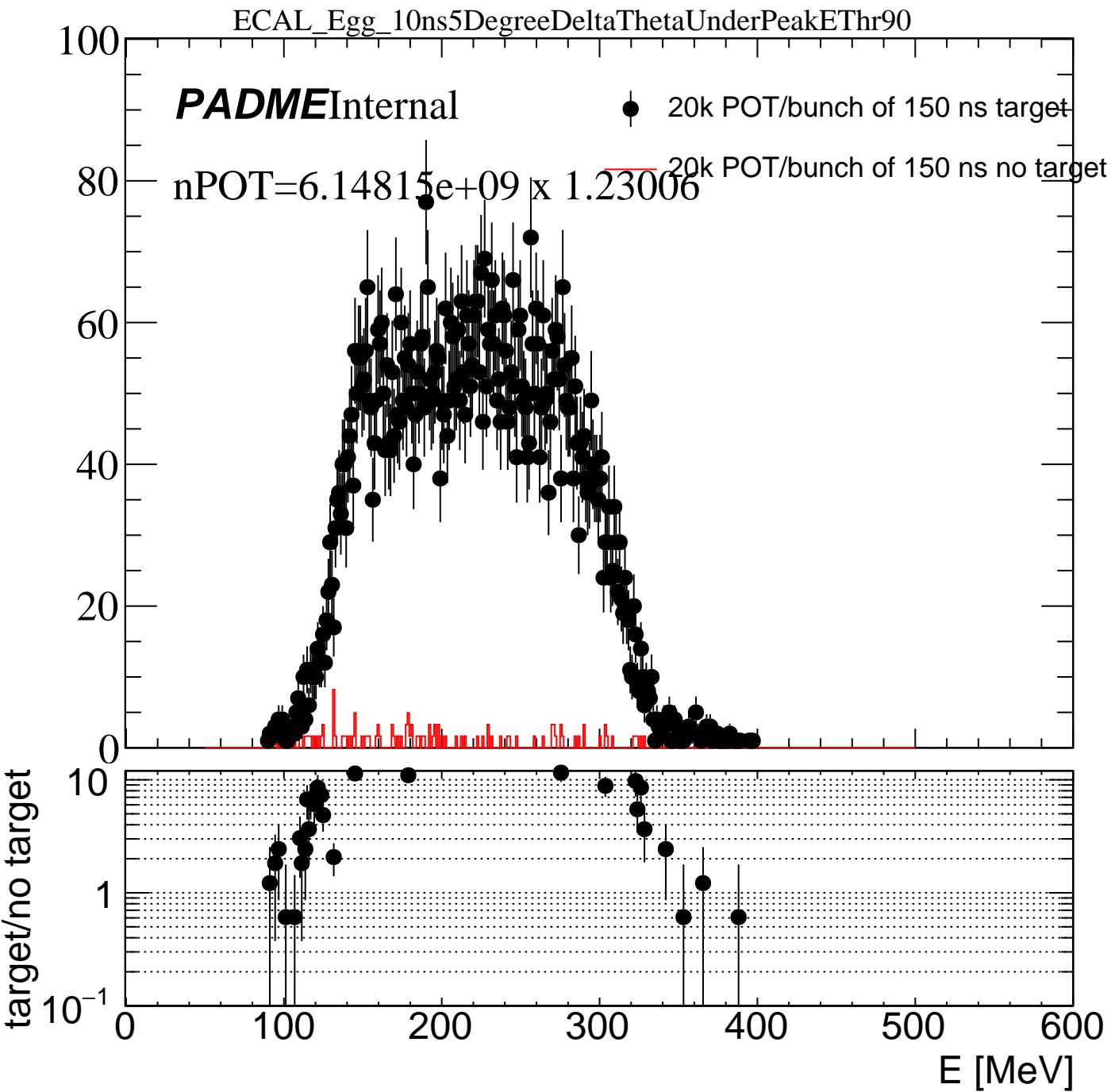


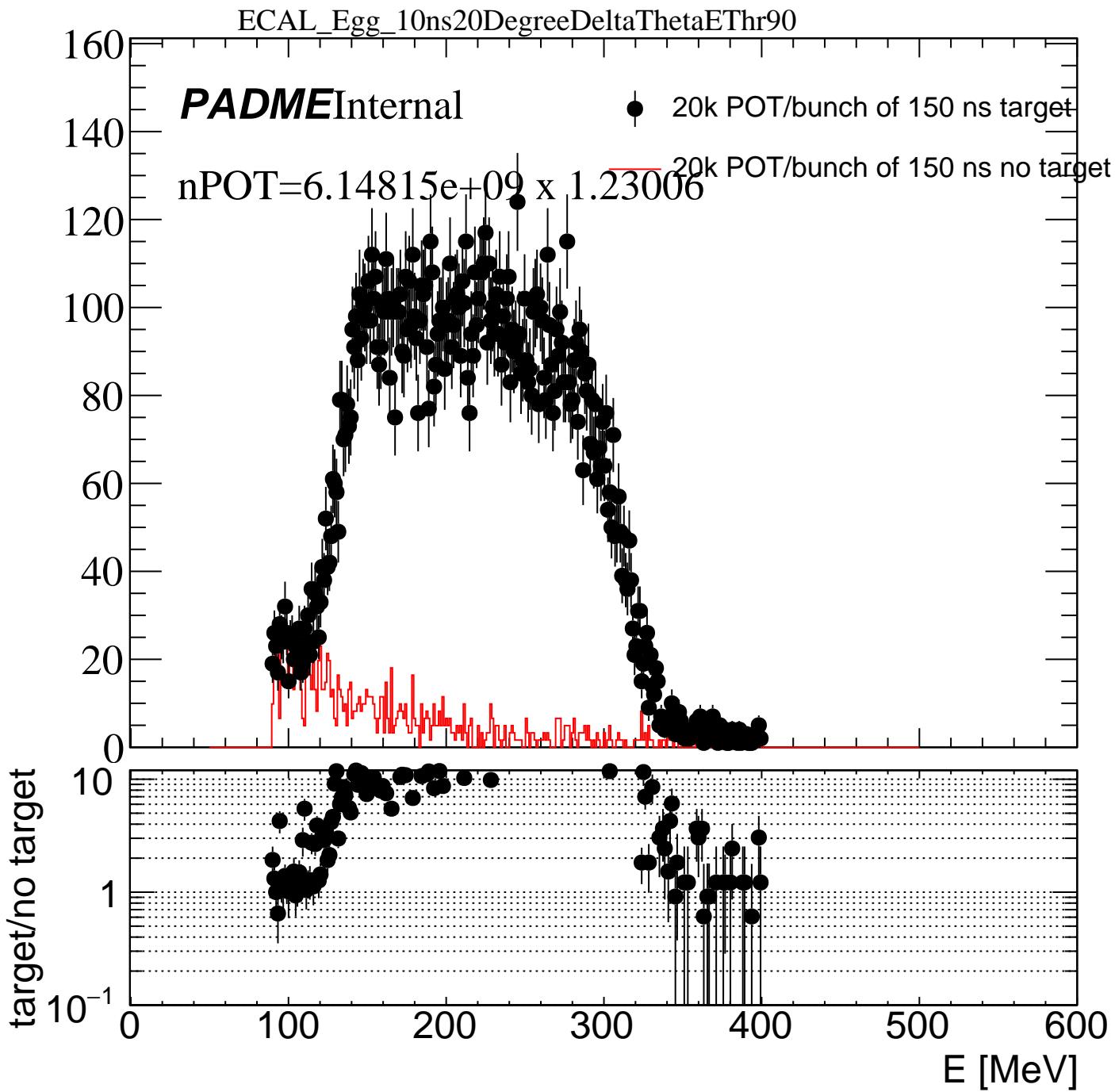


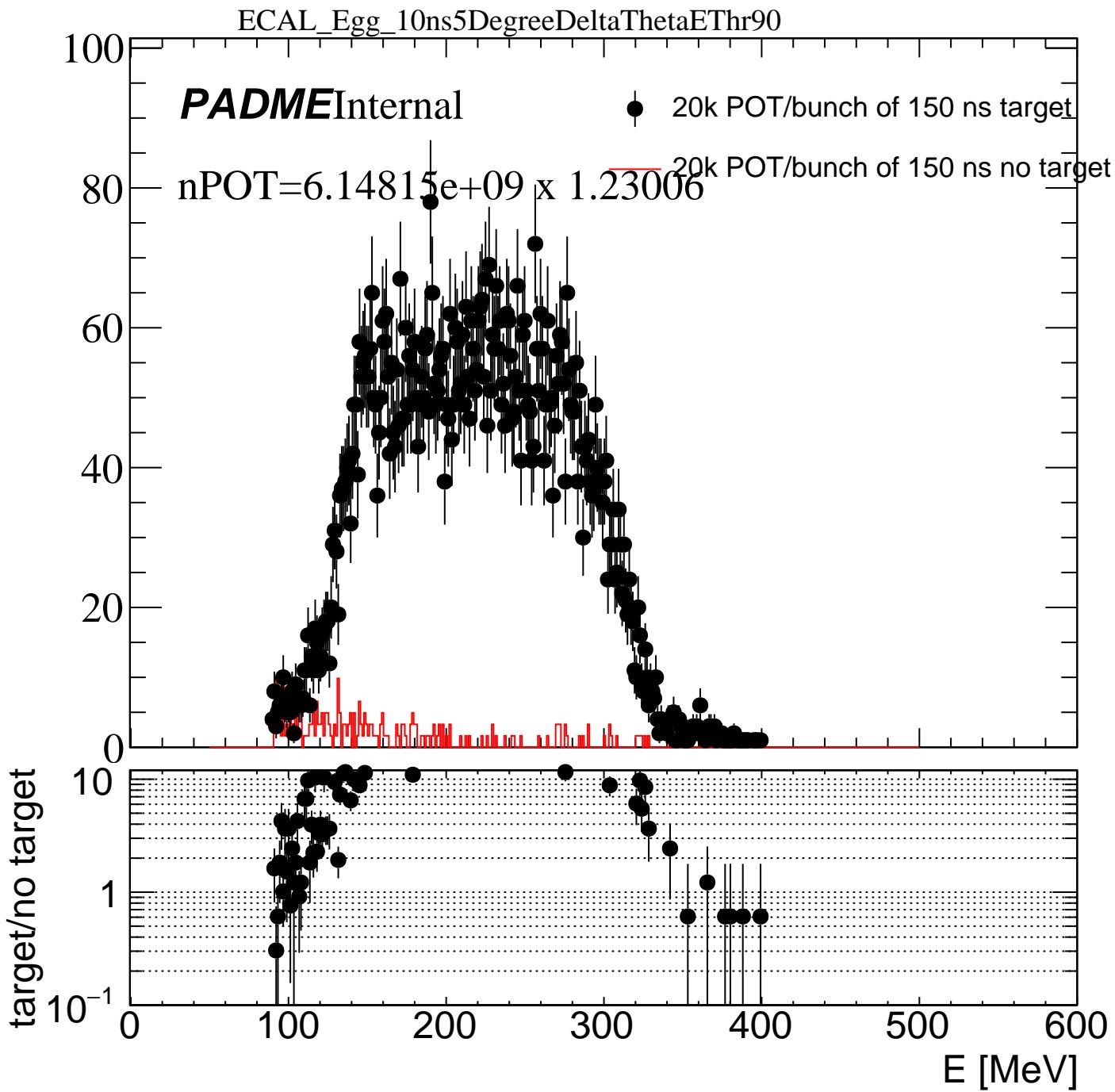


ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY

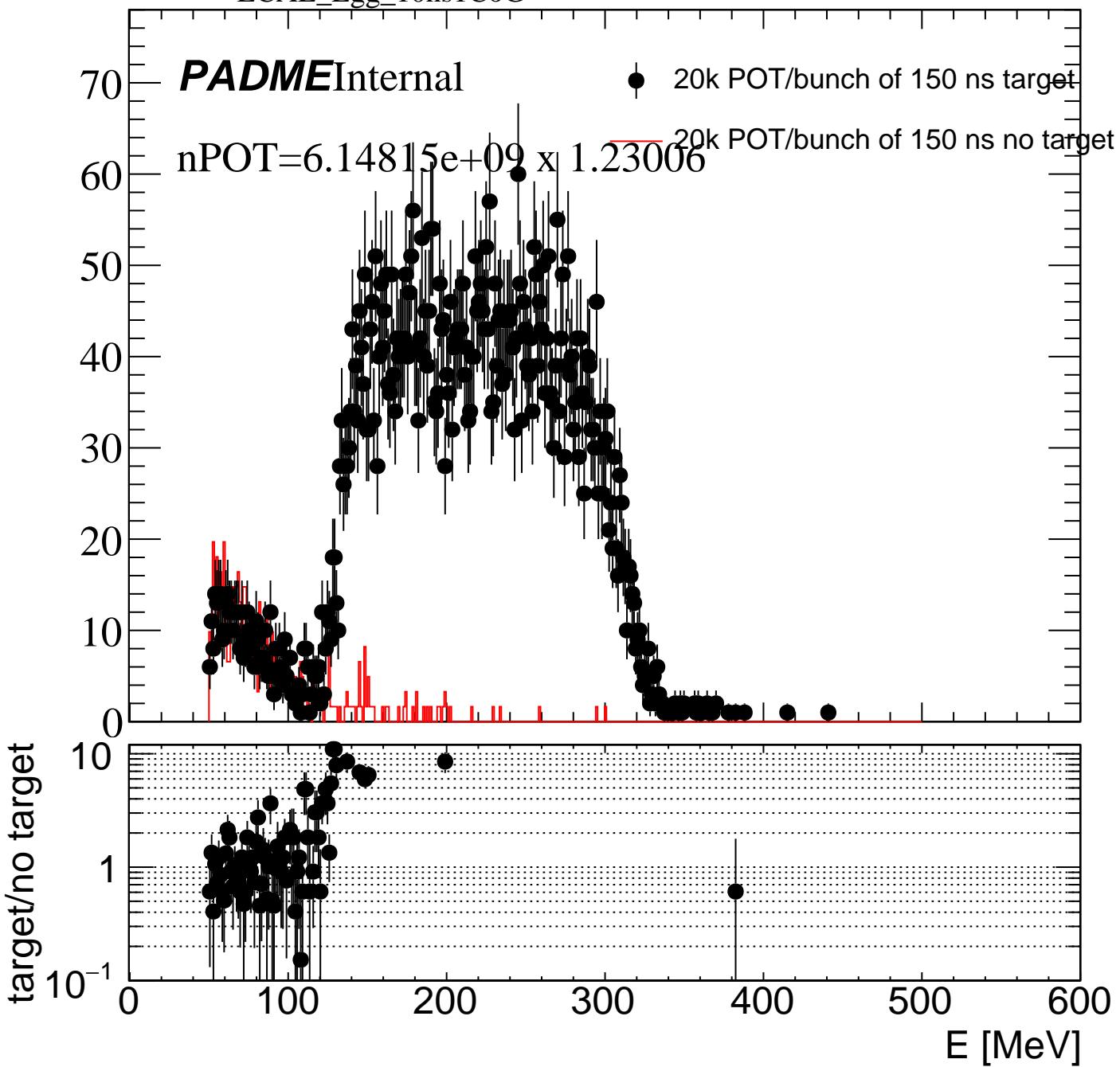




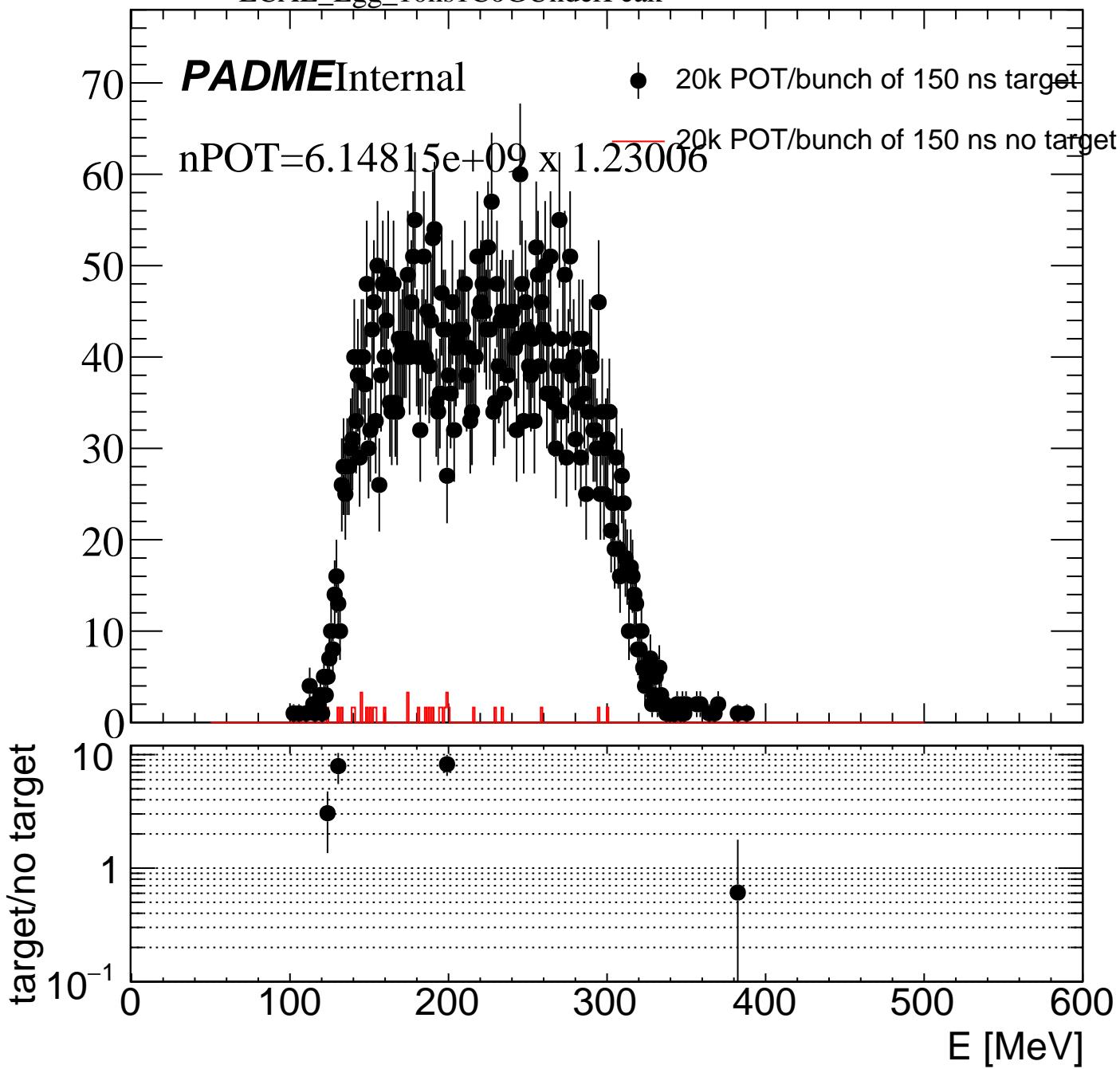




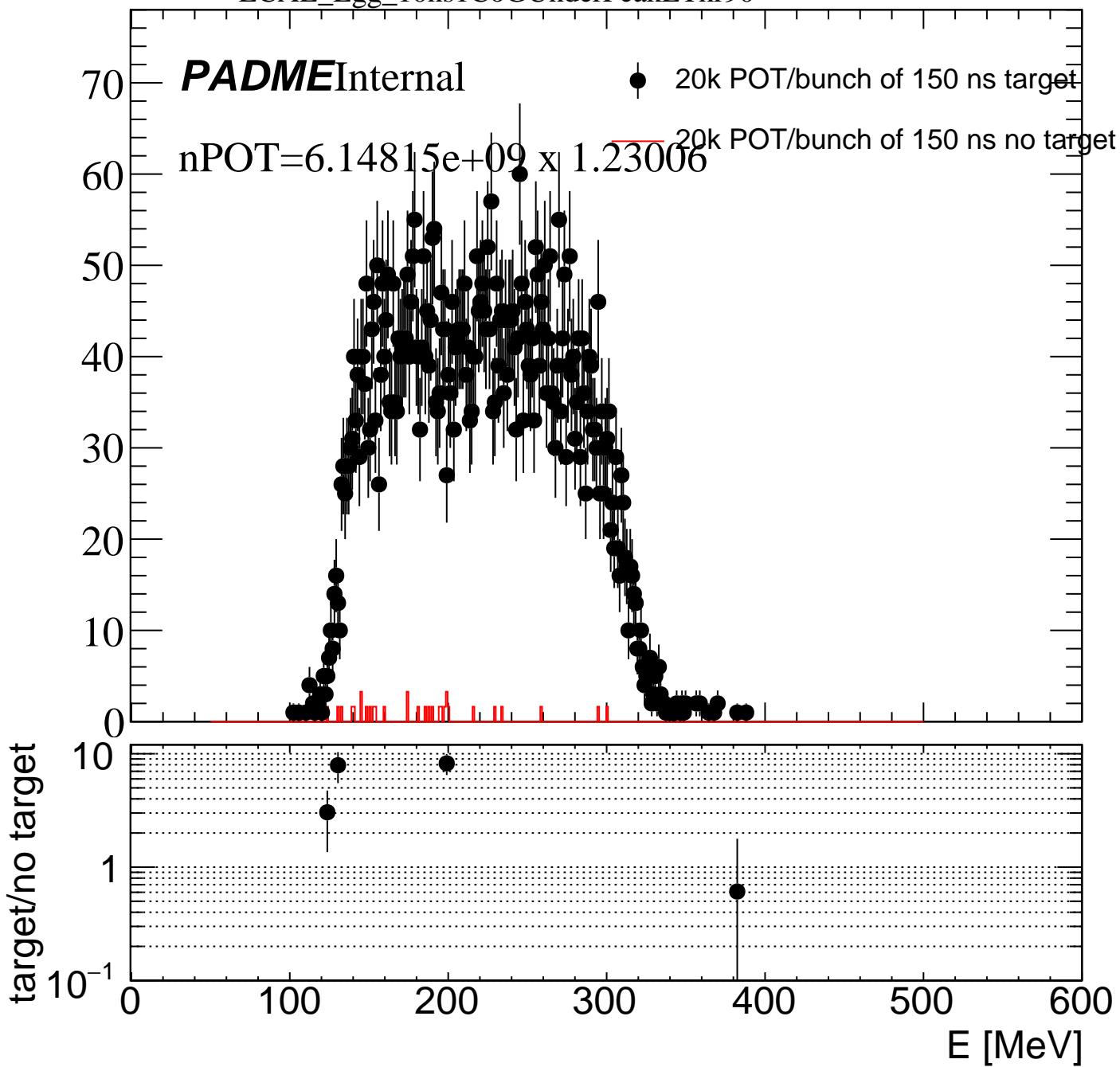
ECAL_Egg_10ns1CoG



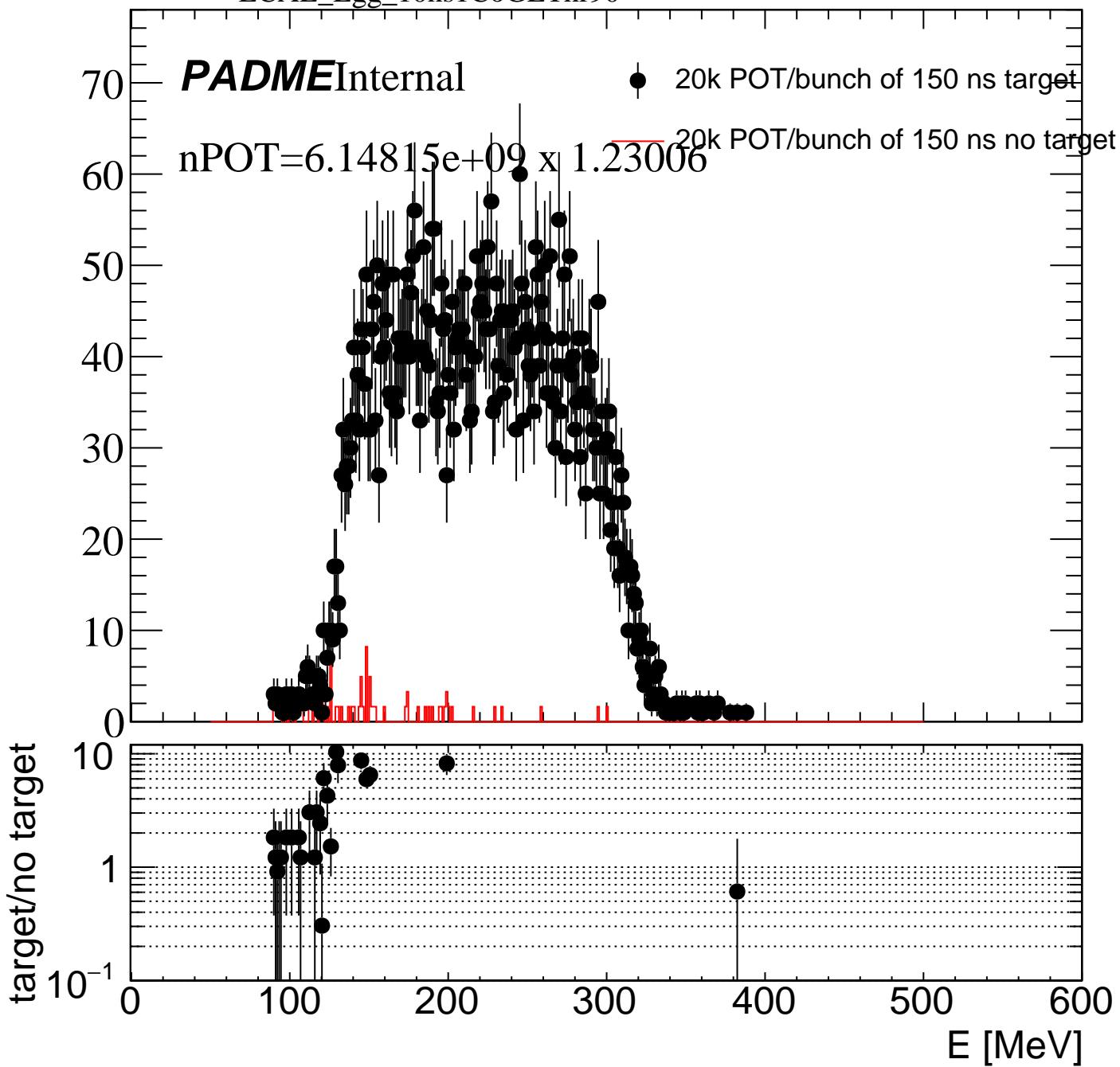
ECAL_Egg_10ns1CoGUnderPeak



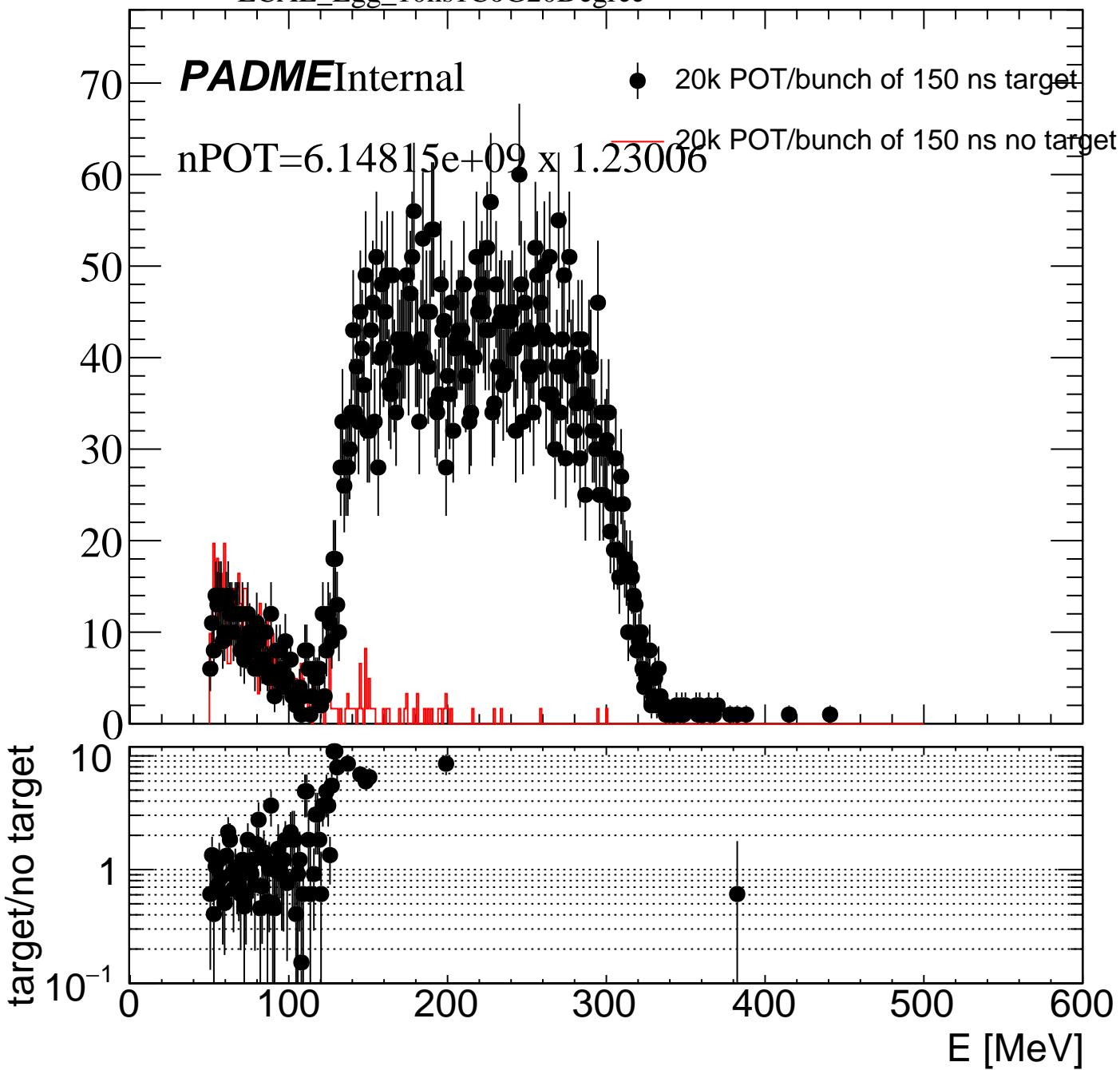
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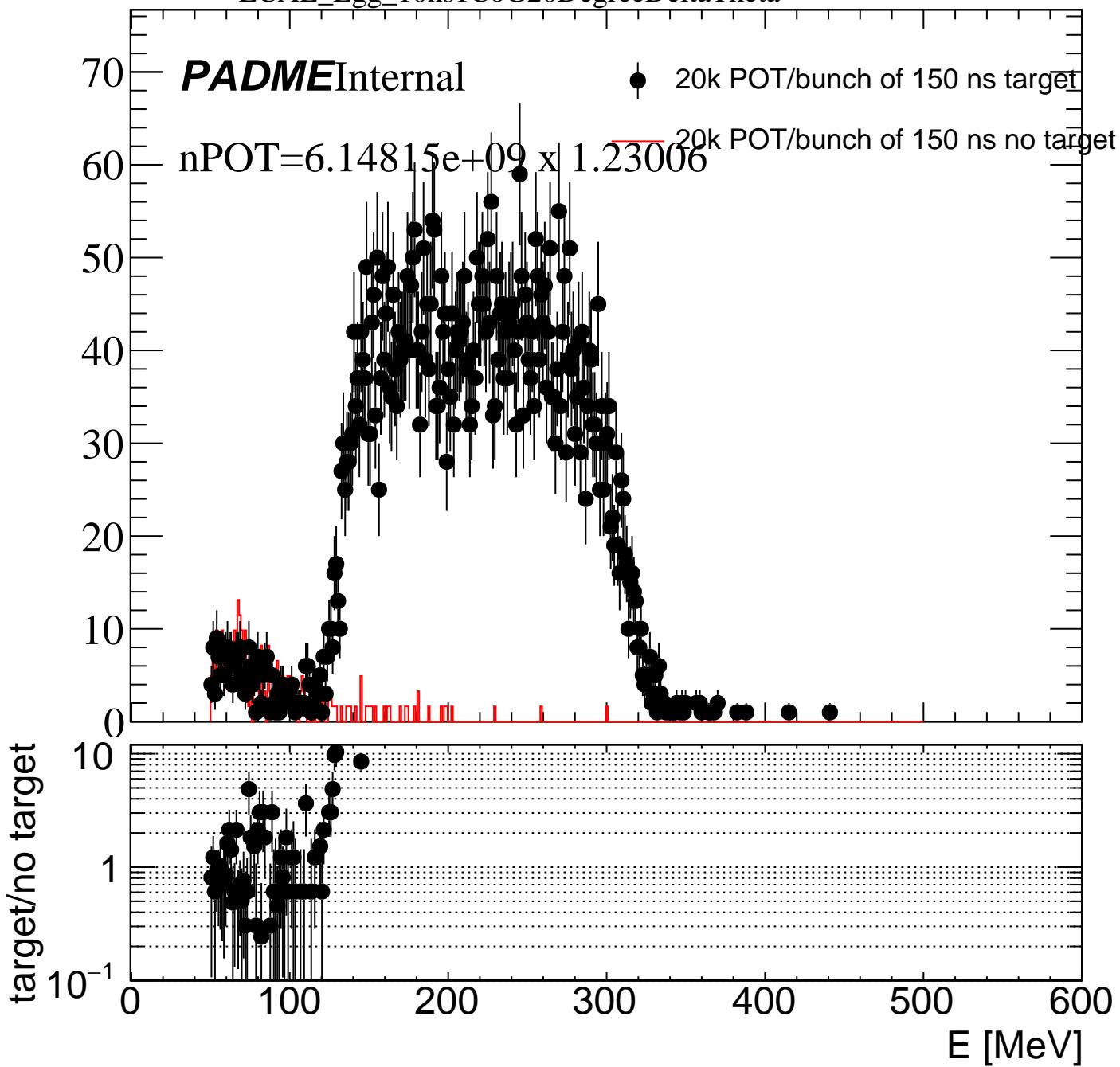
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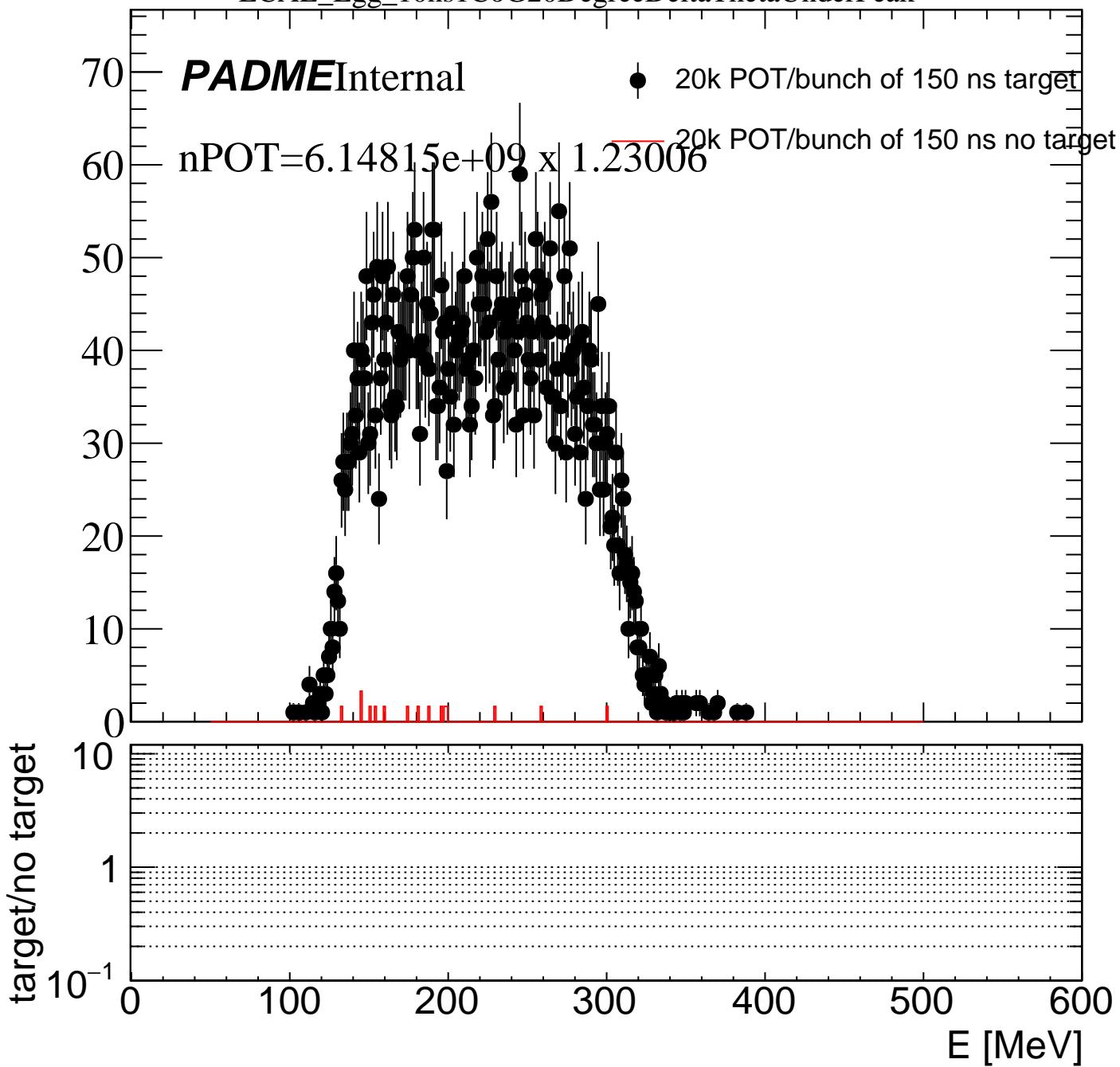
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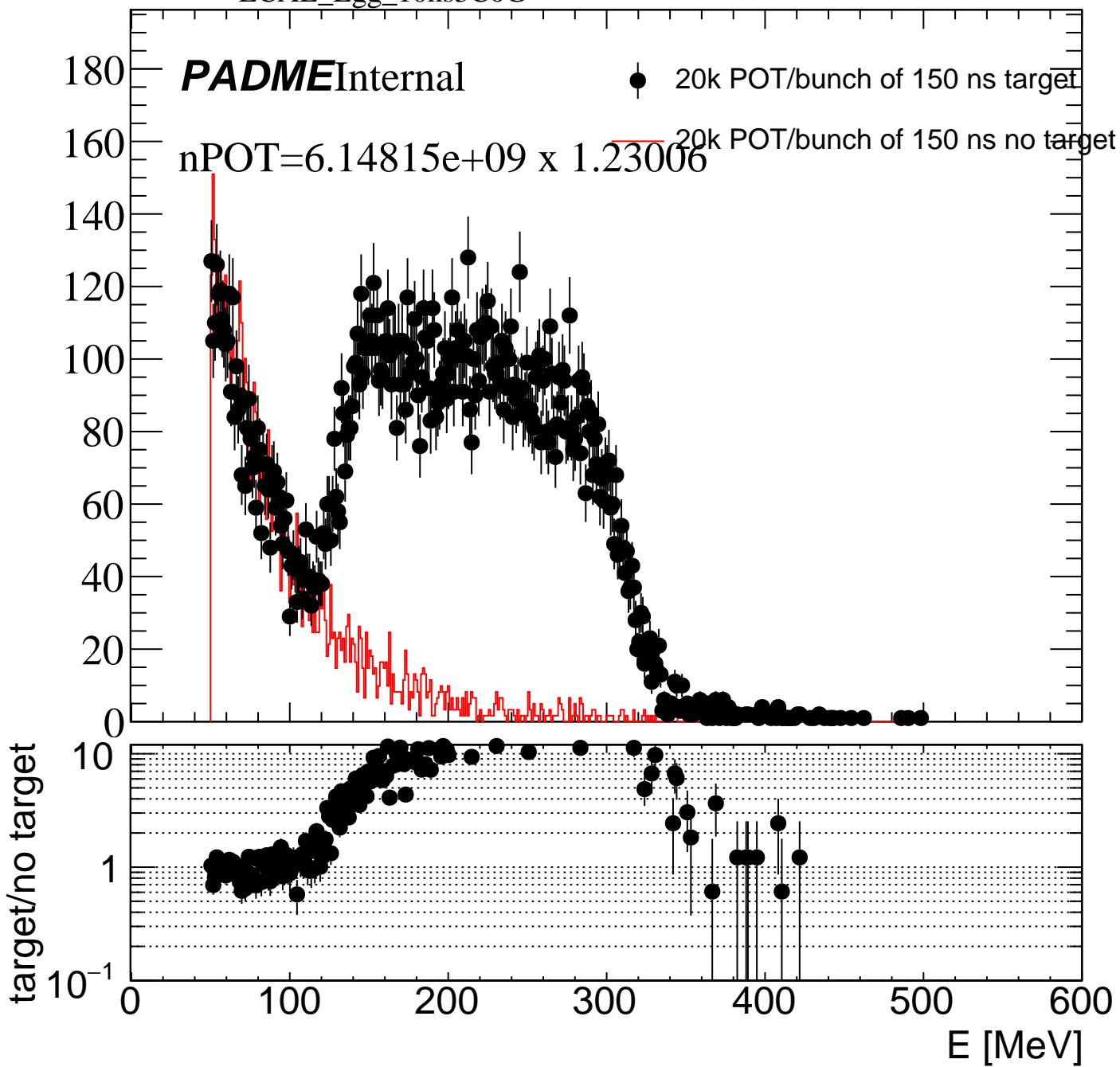
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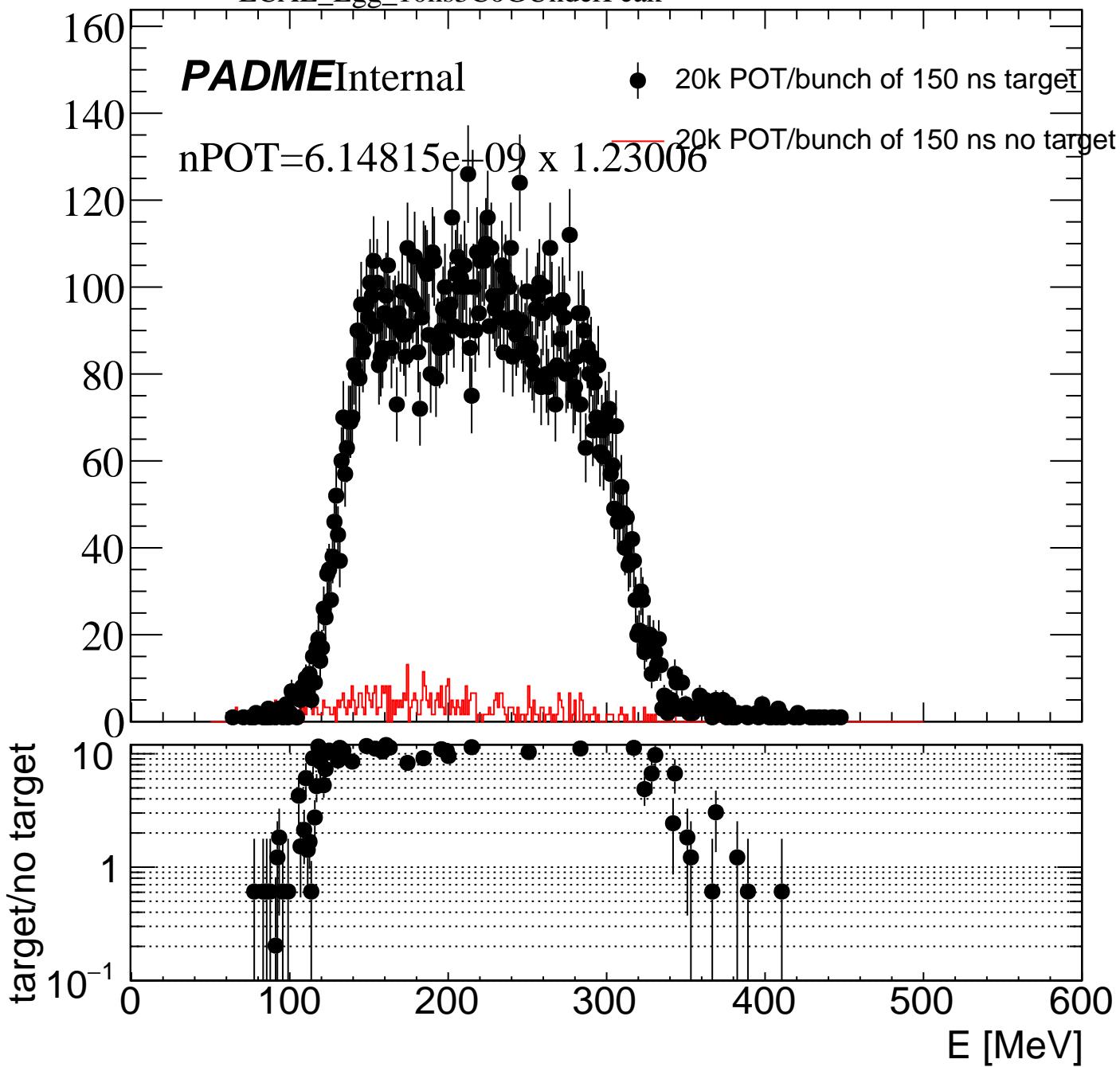
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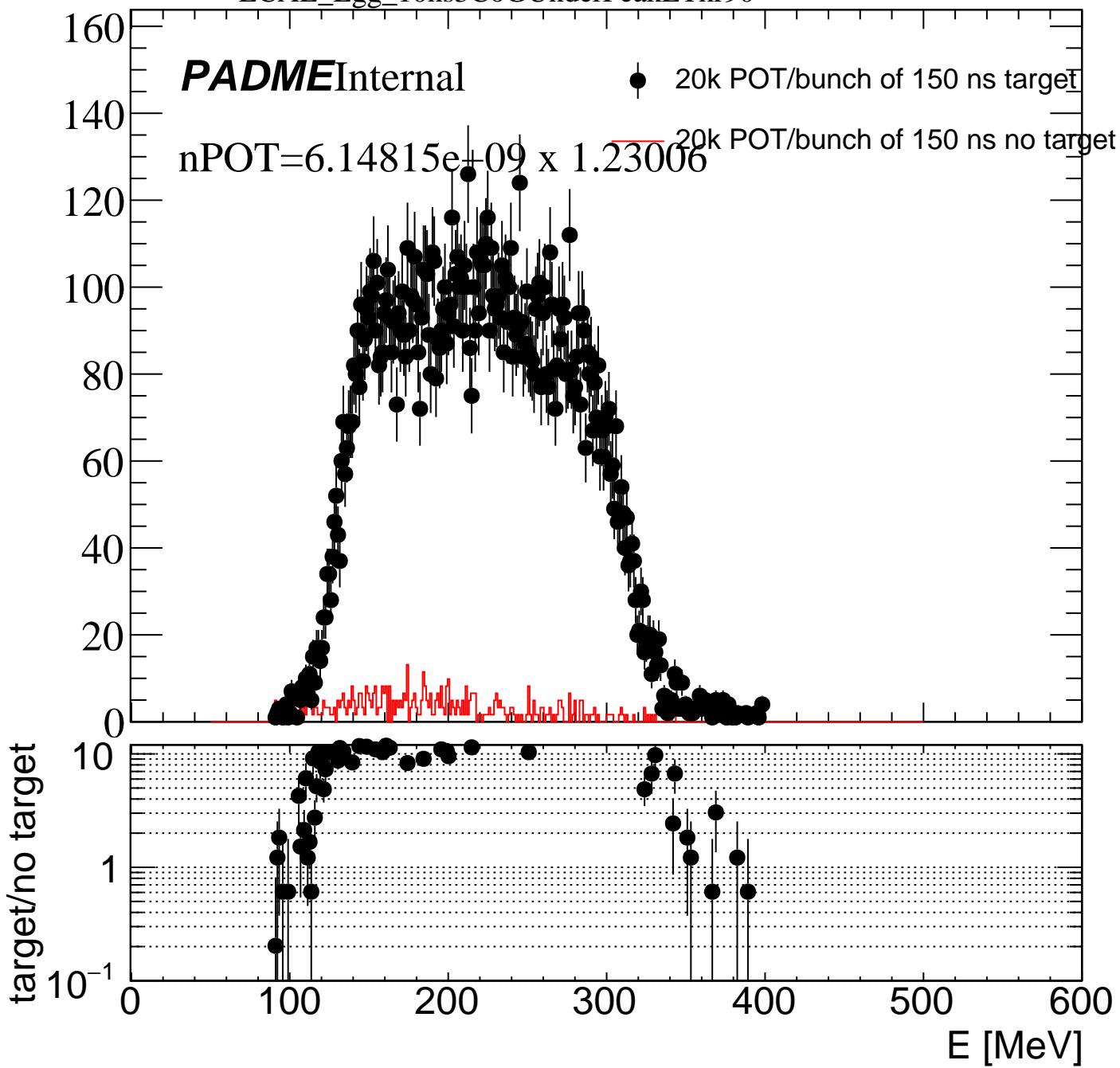
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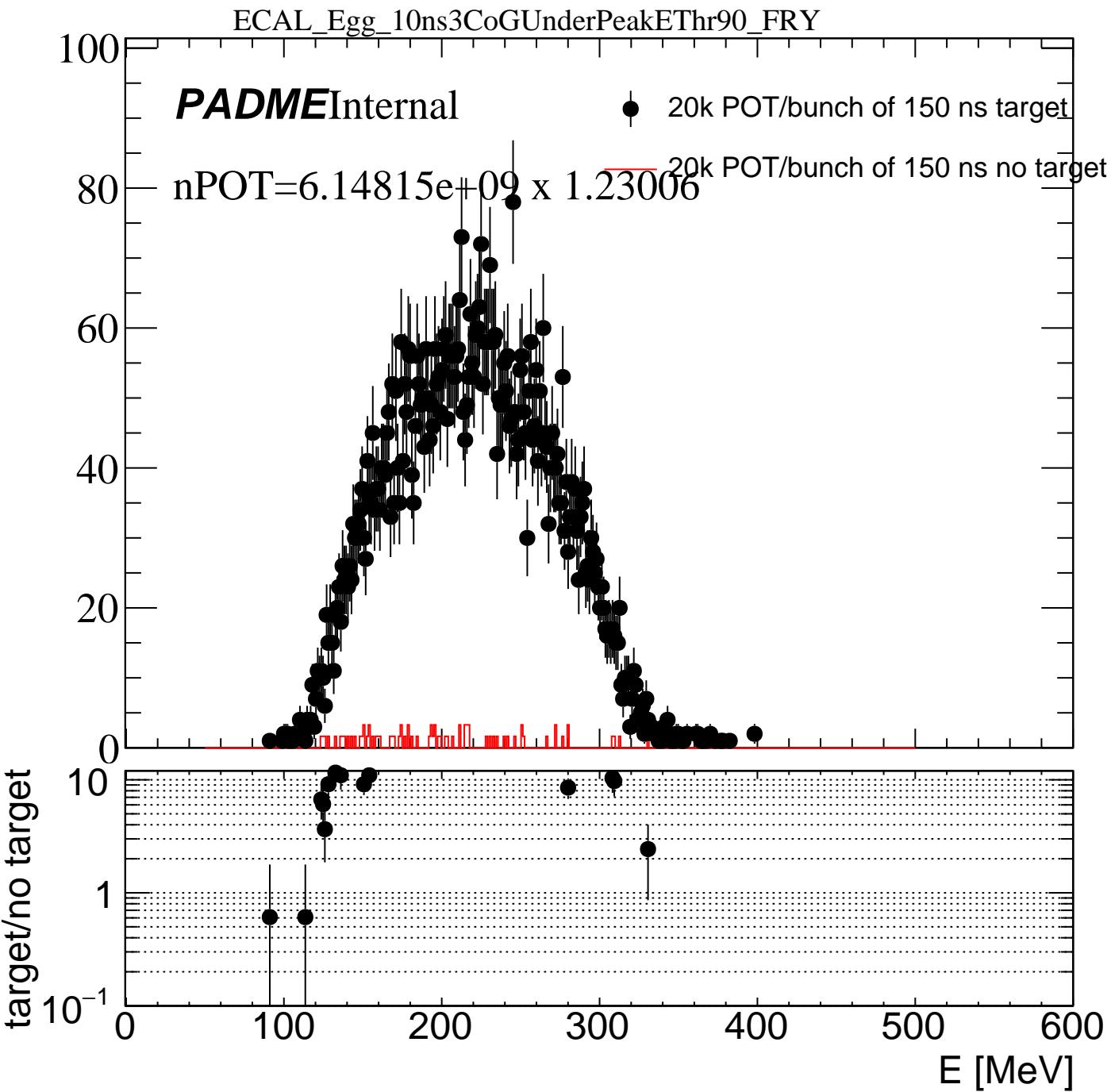


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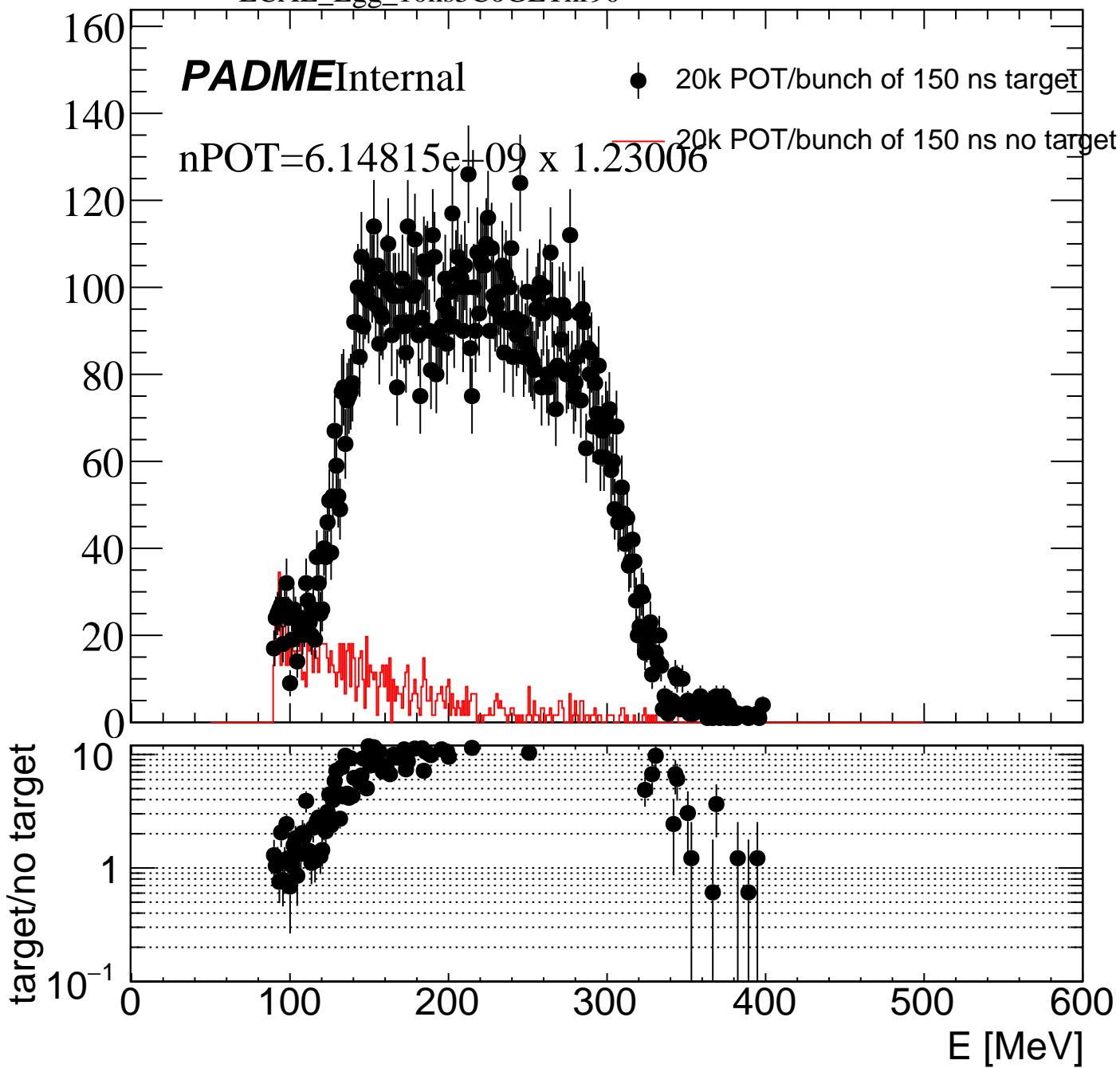


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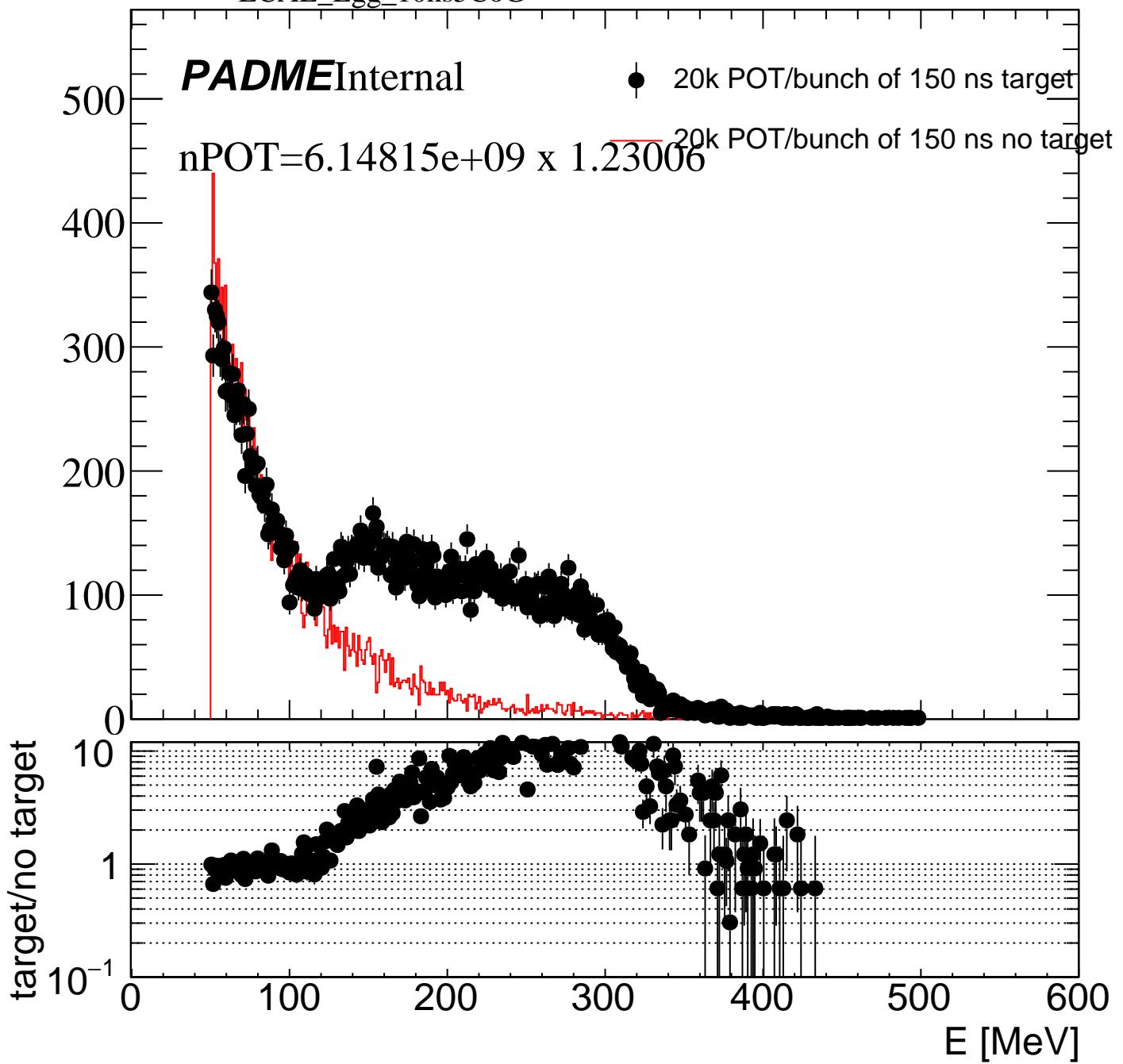




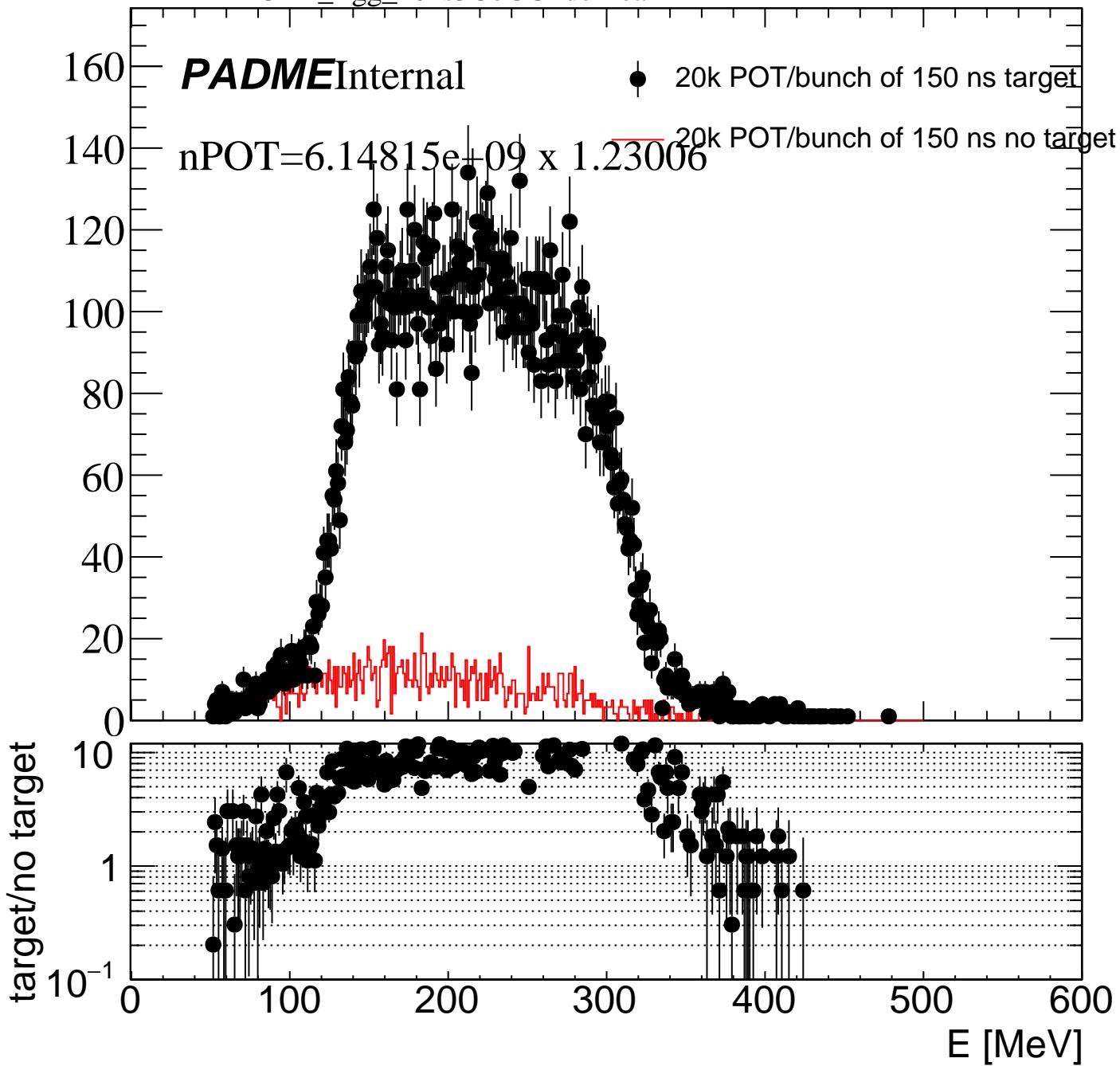
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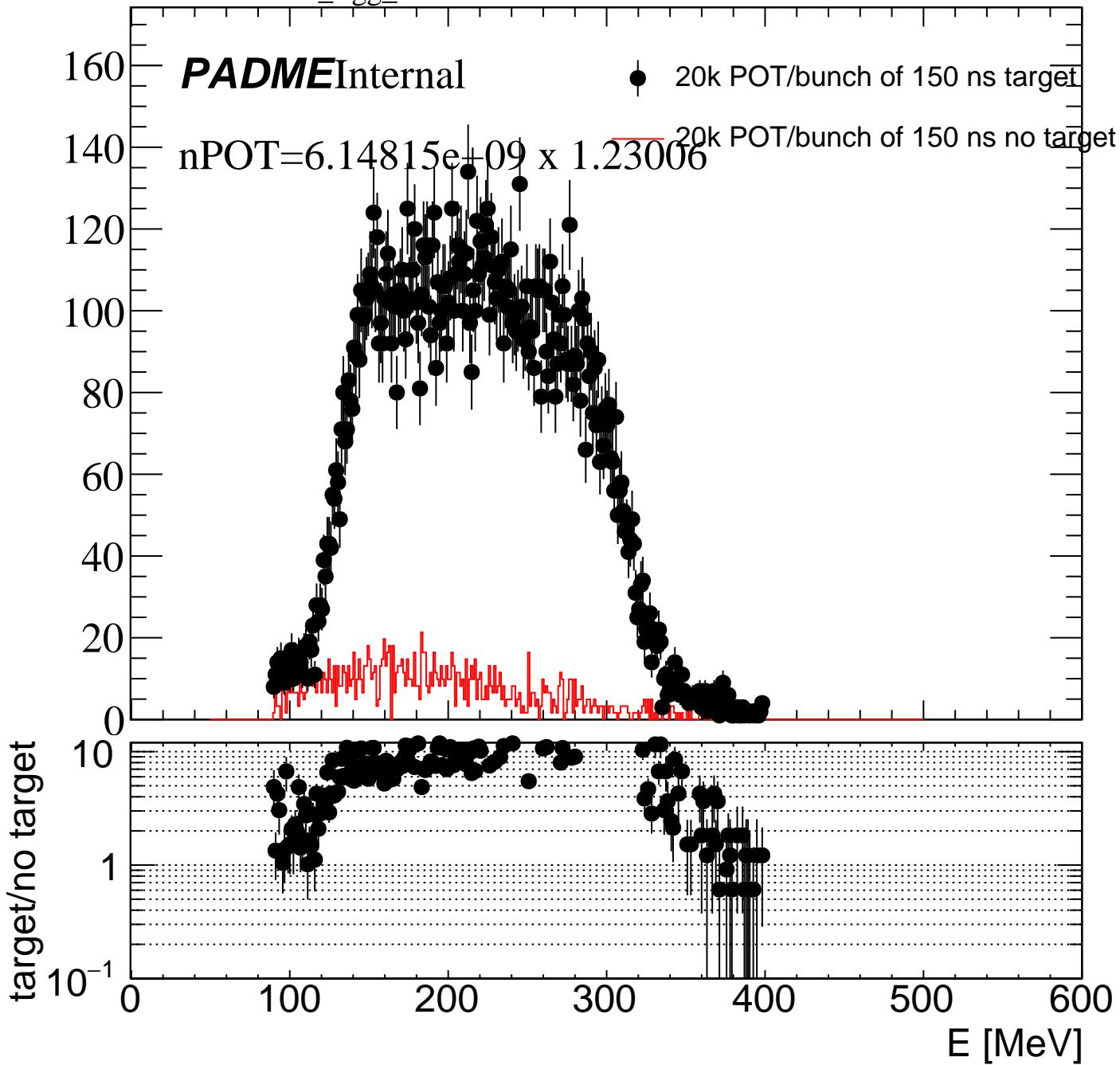
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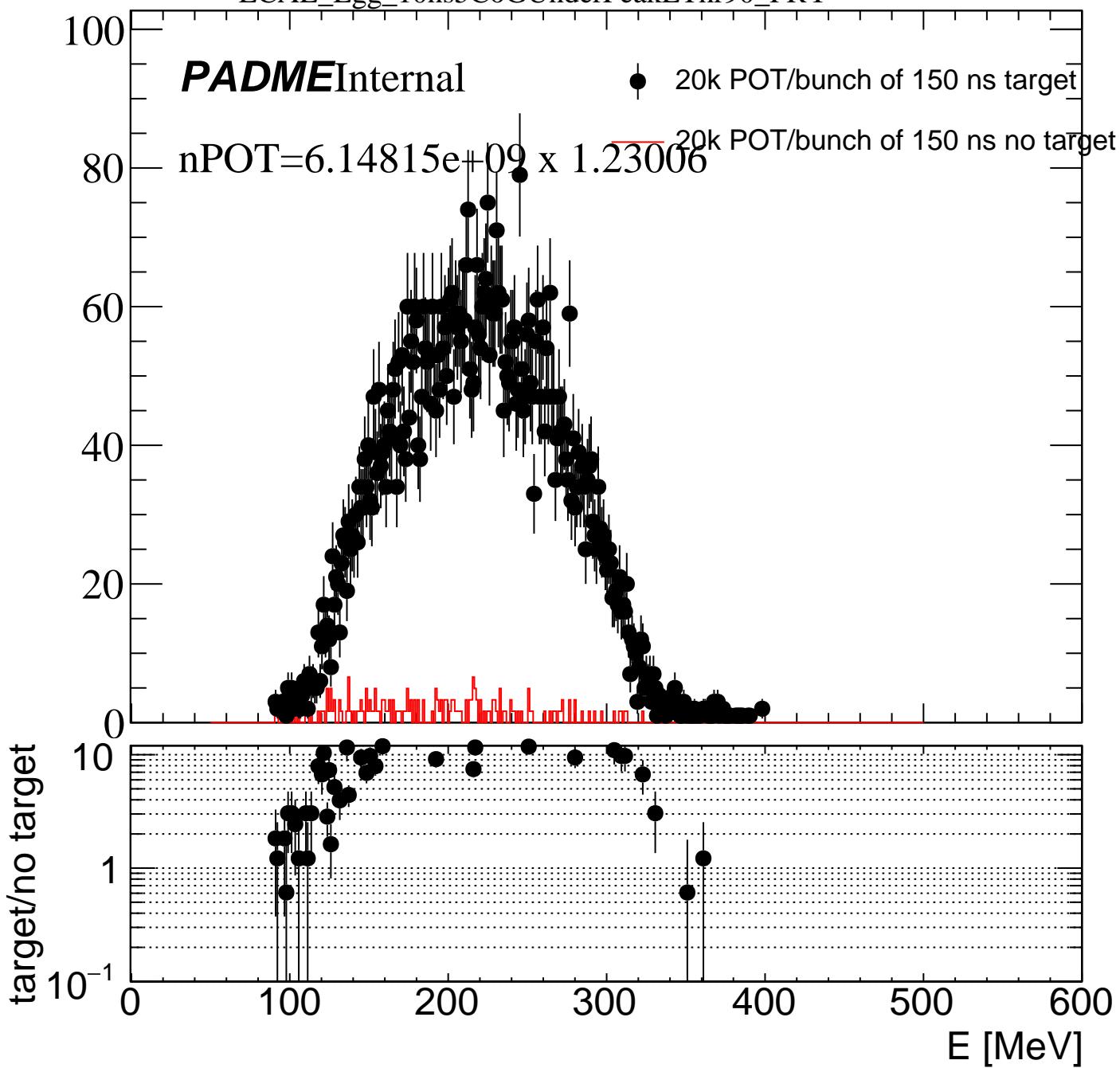
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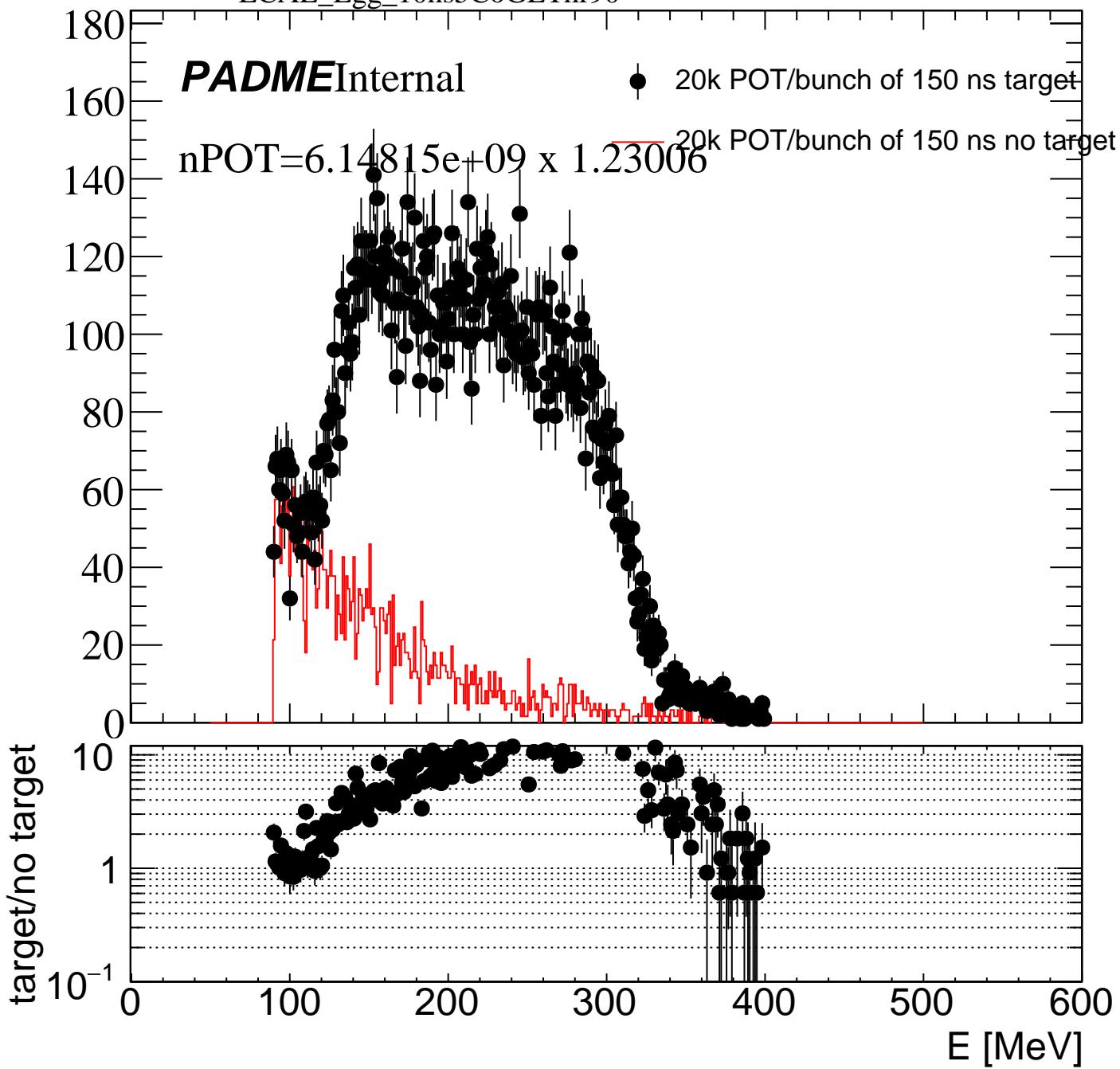
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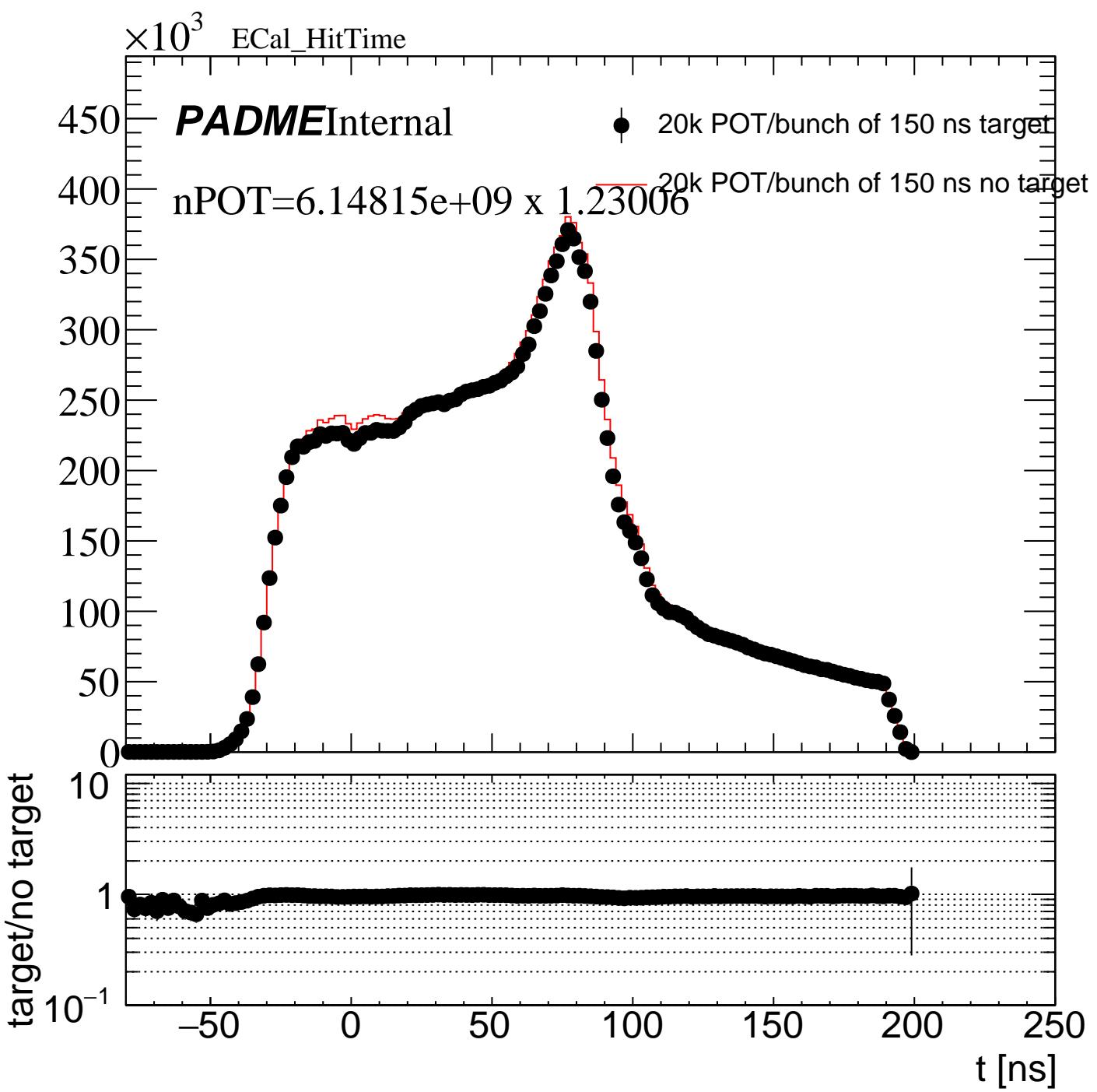


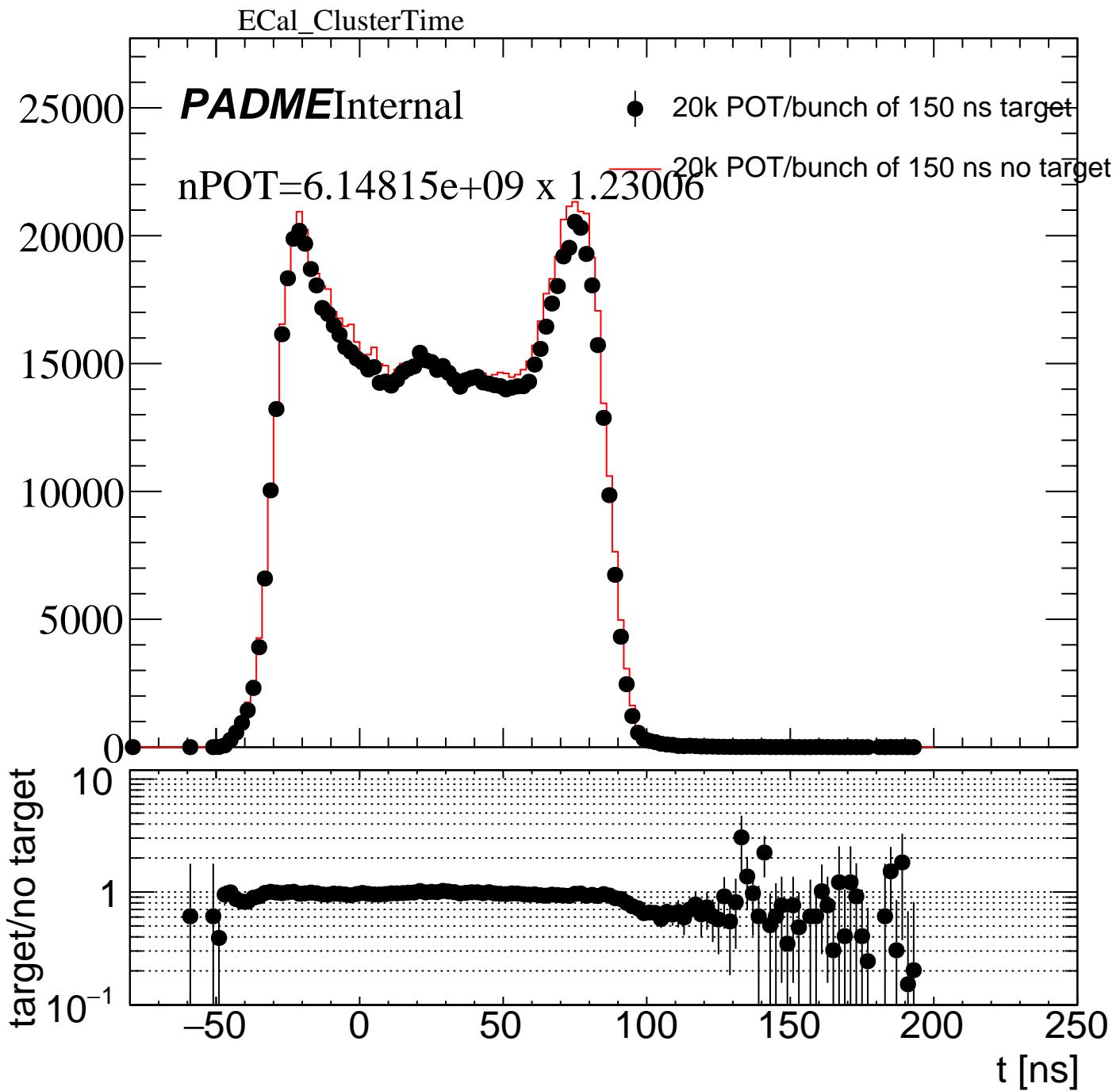
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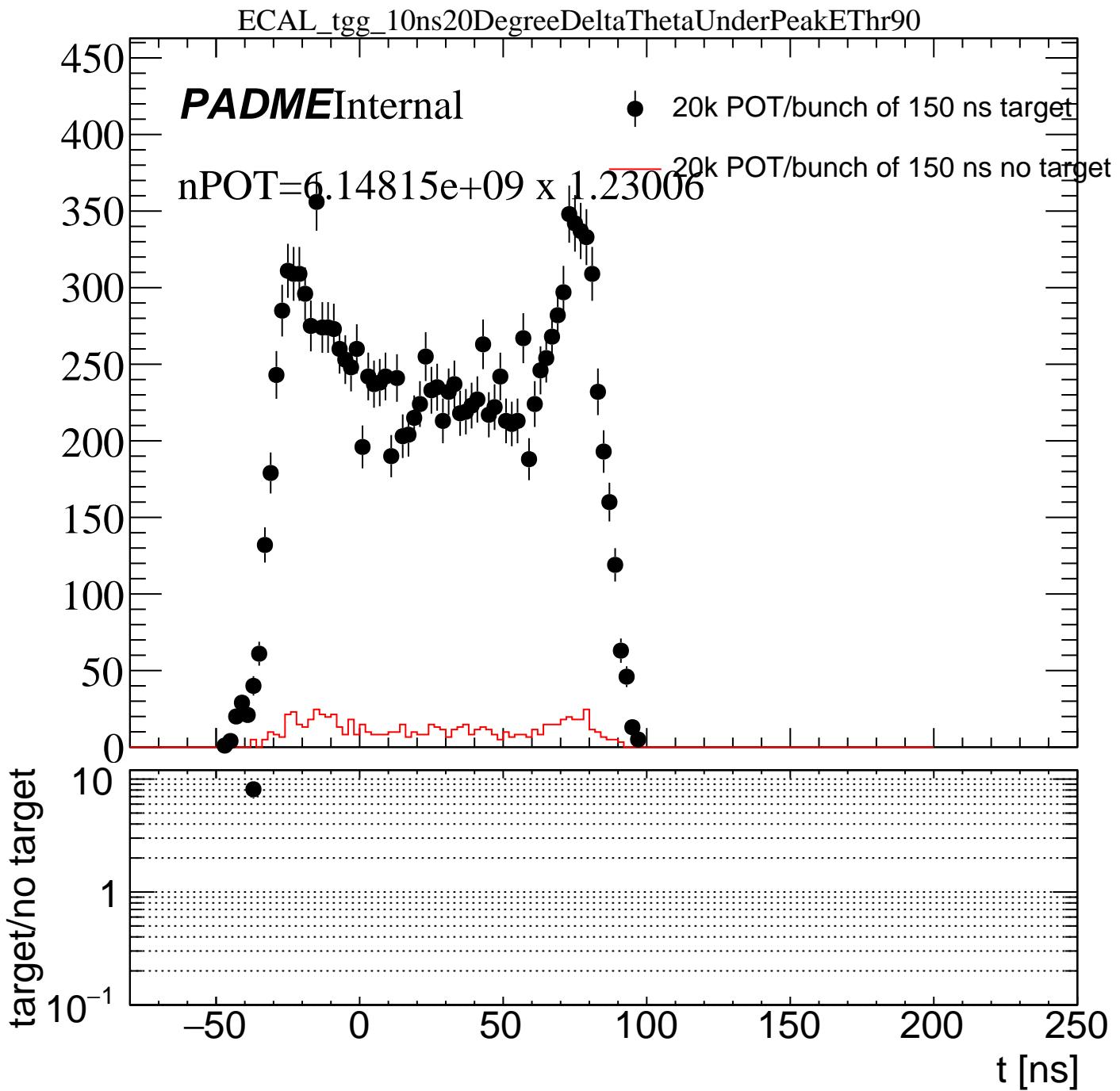


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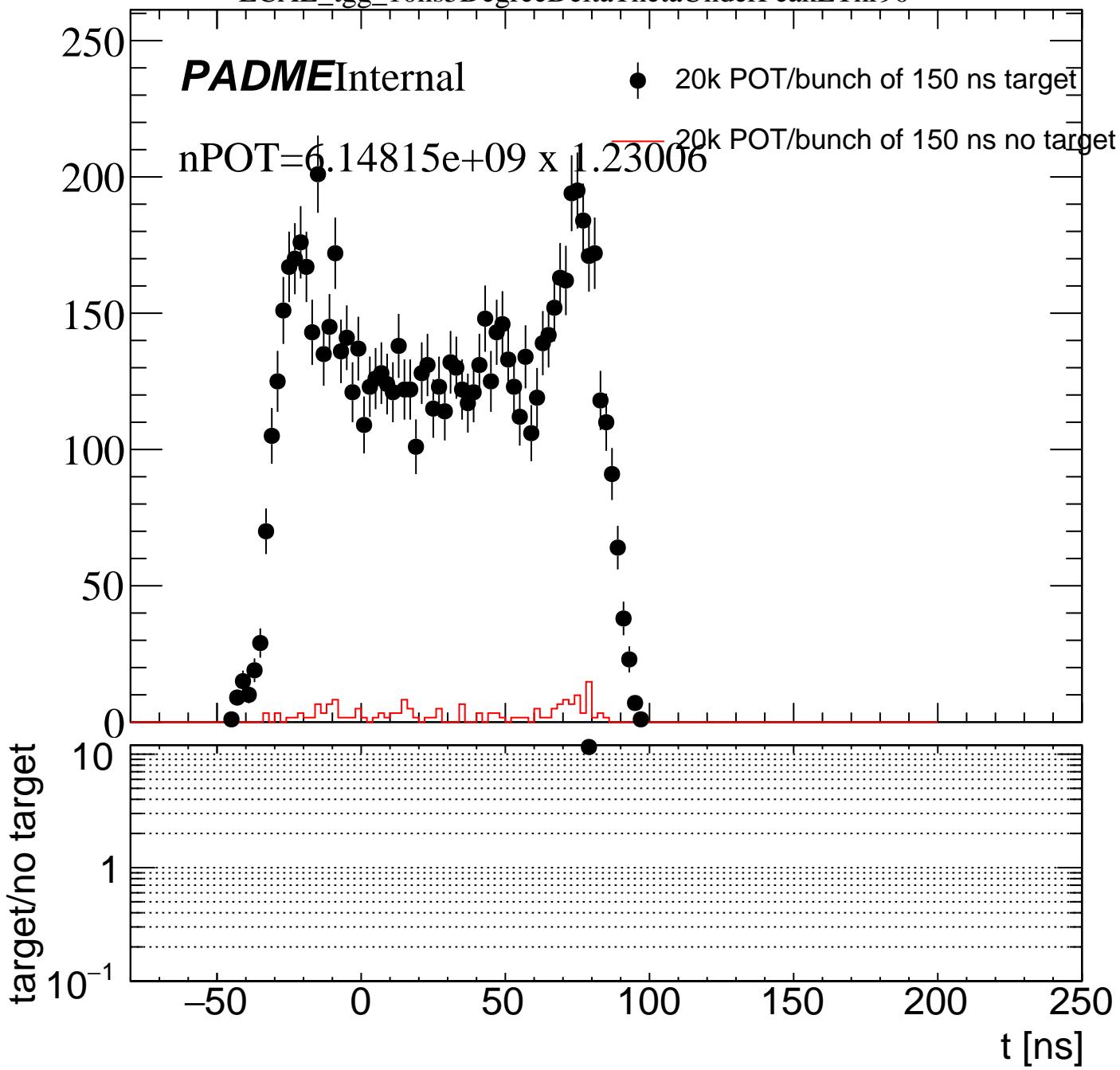




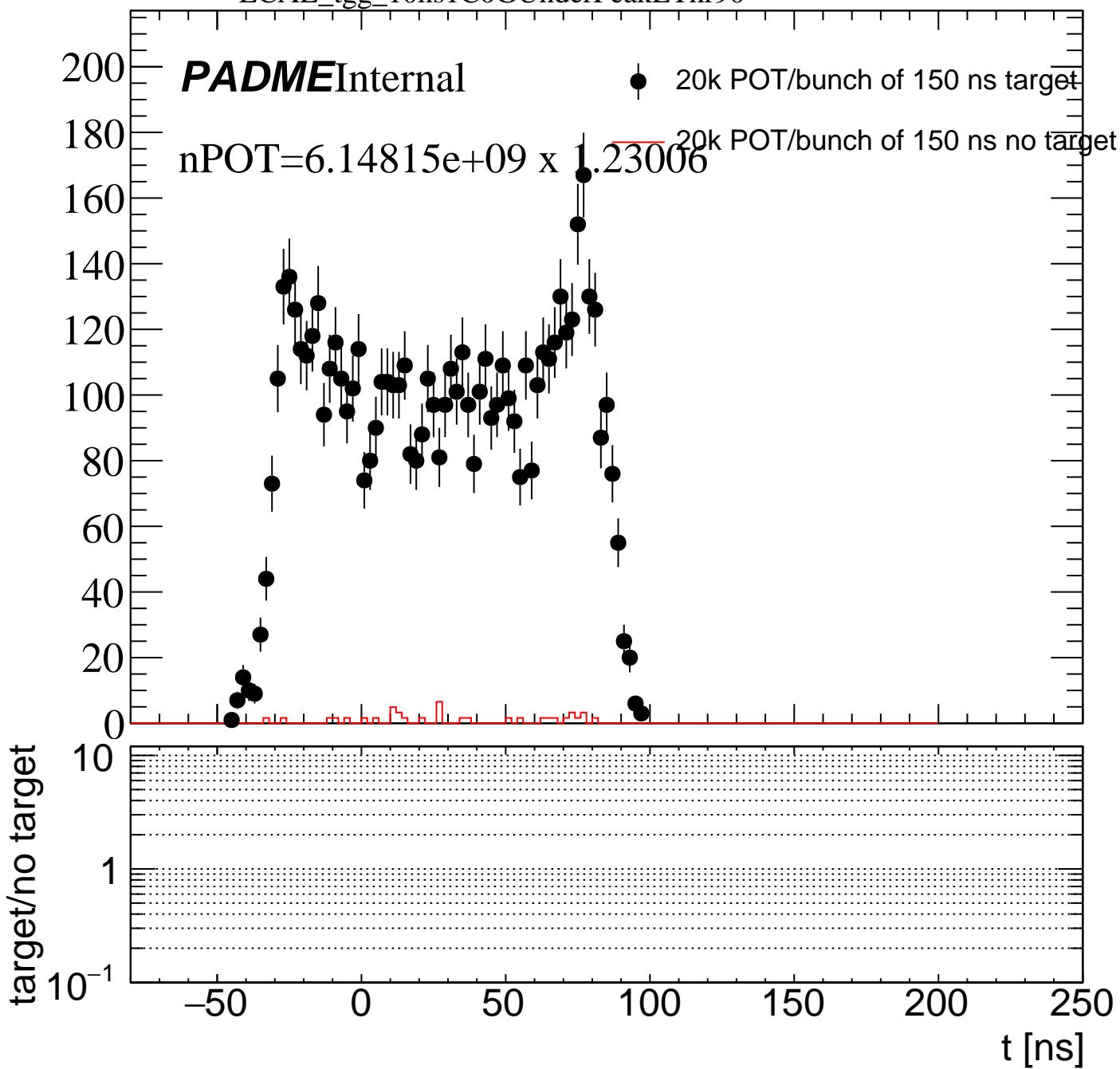




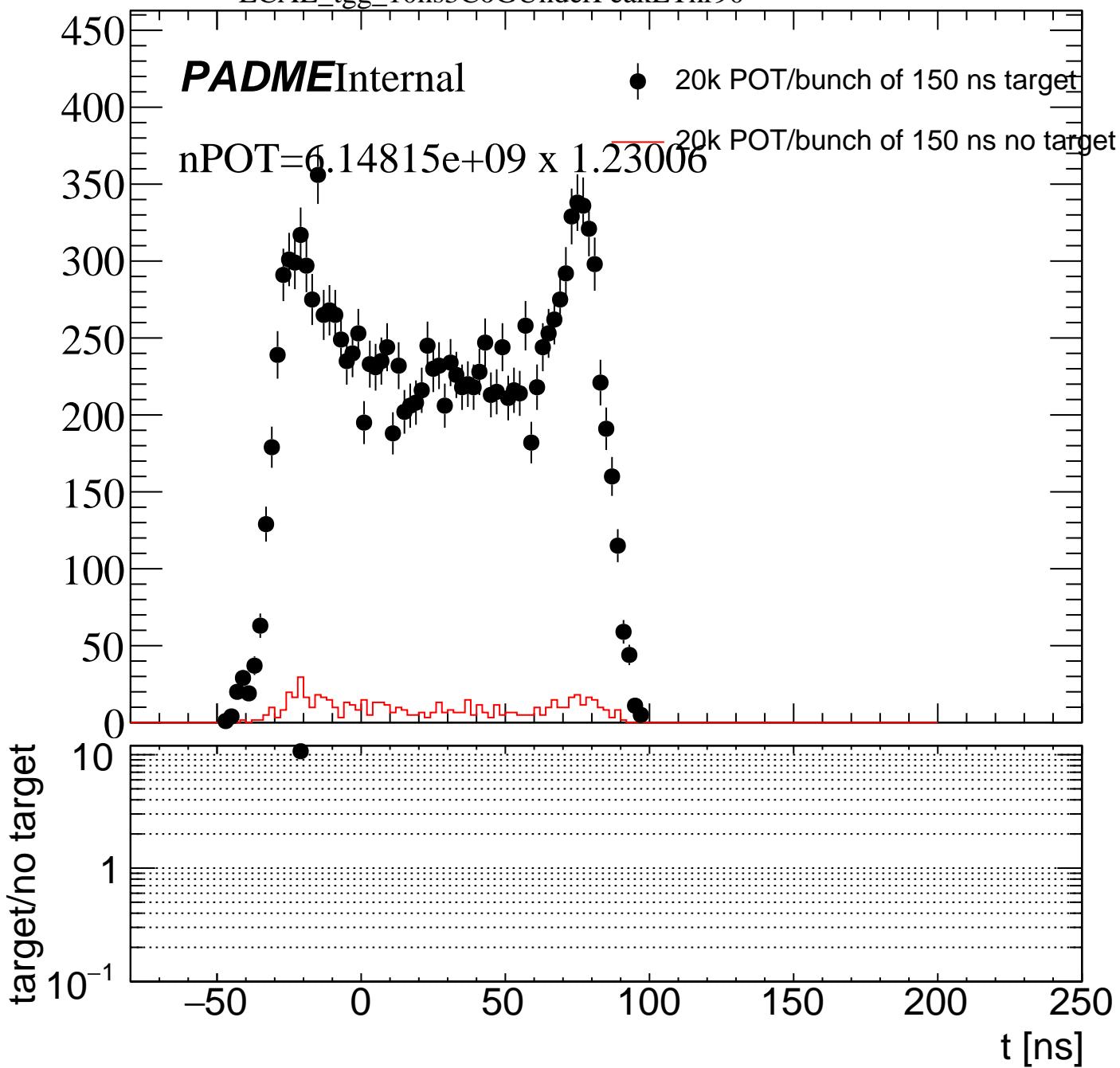
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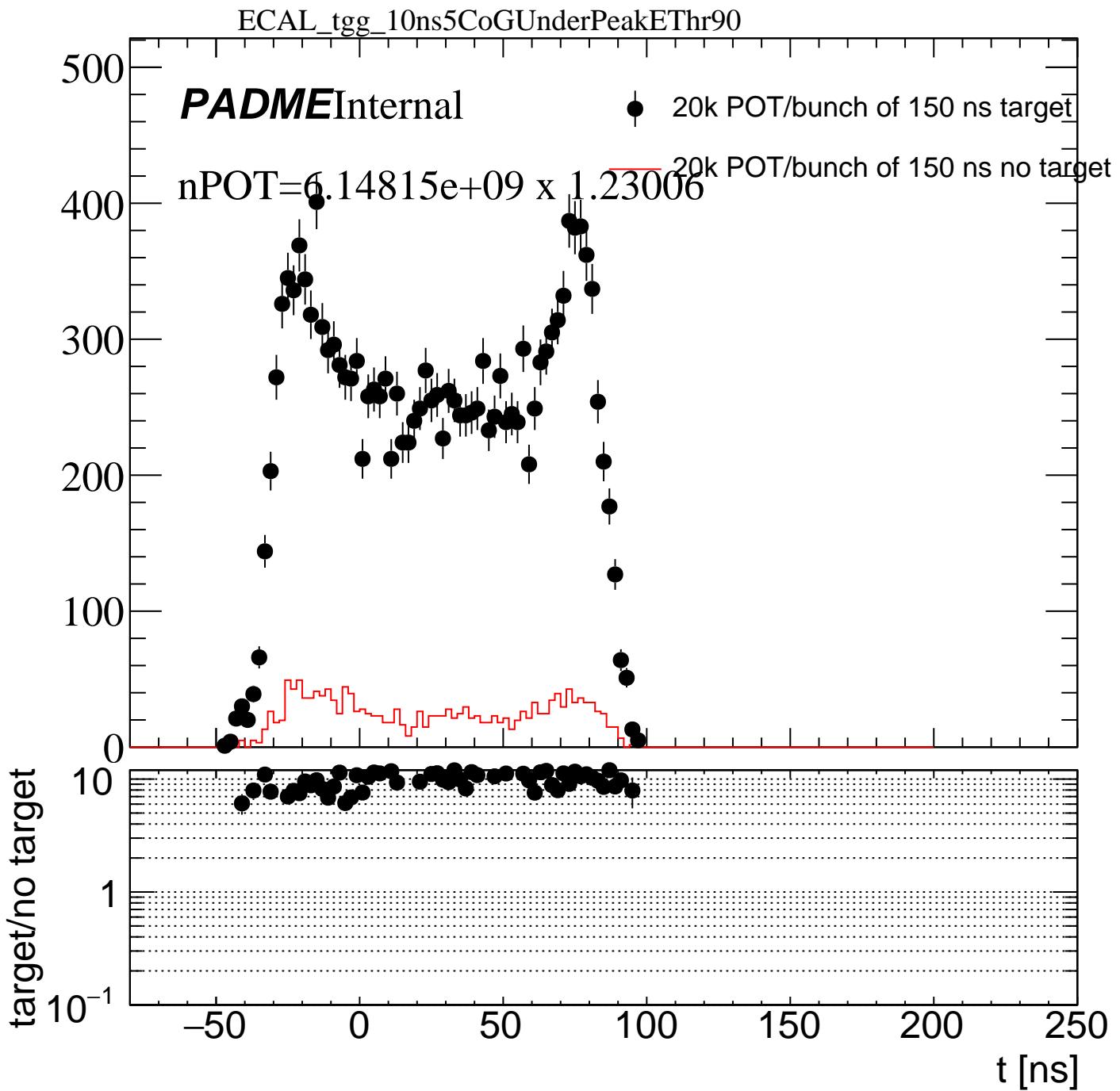


ECAL_tgg_10ns1CoGUnderPeakEThr90

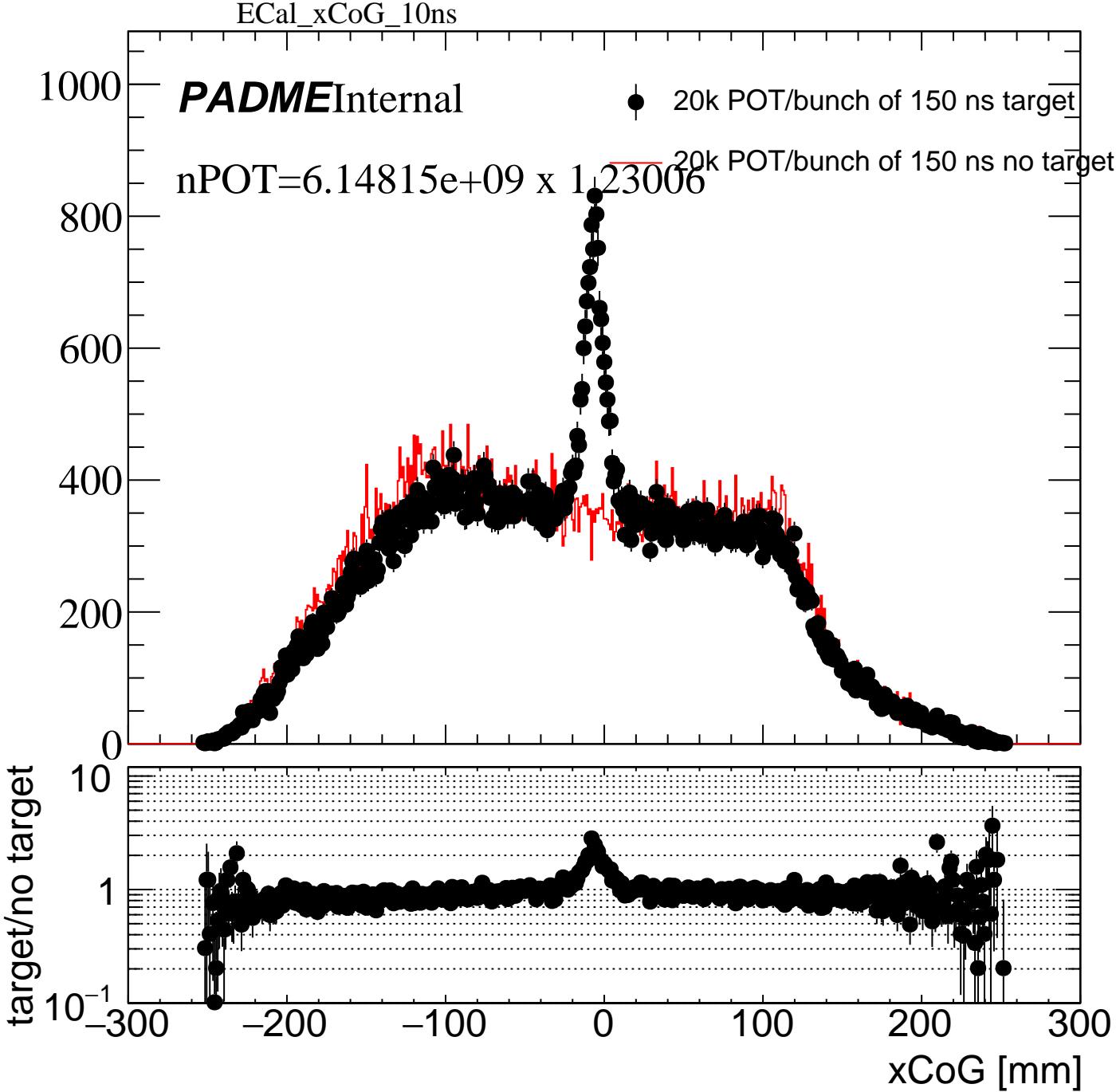


ECAL_tgg_10ns3CoGUnderPeakEThr90





ECal_xCoG_10ns

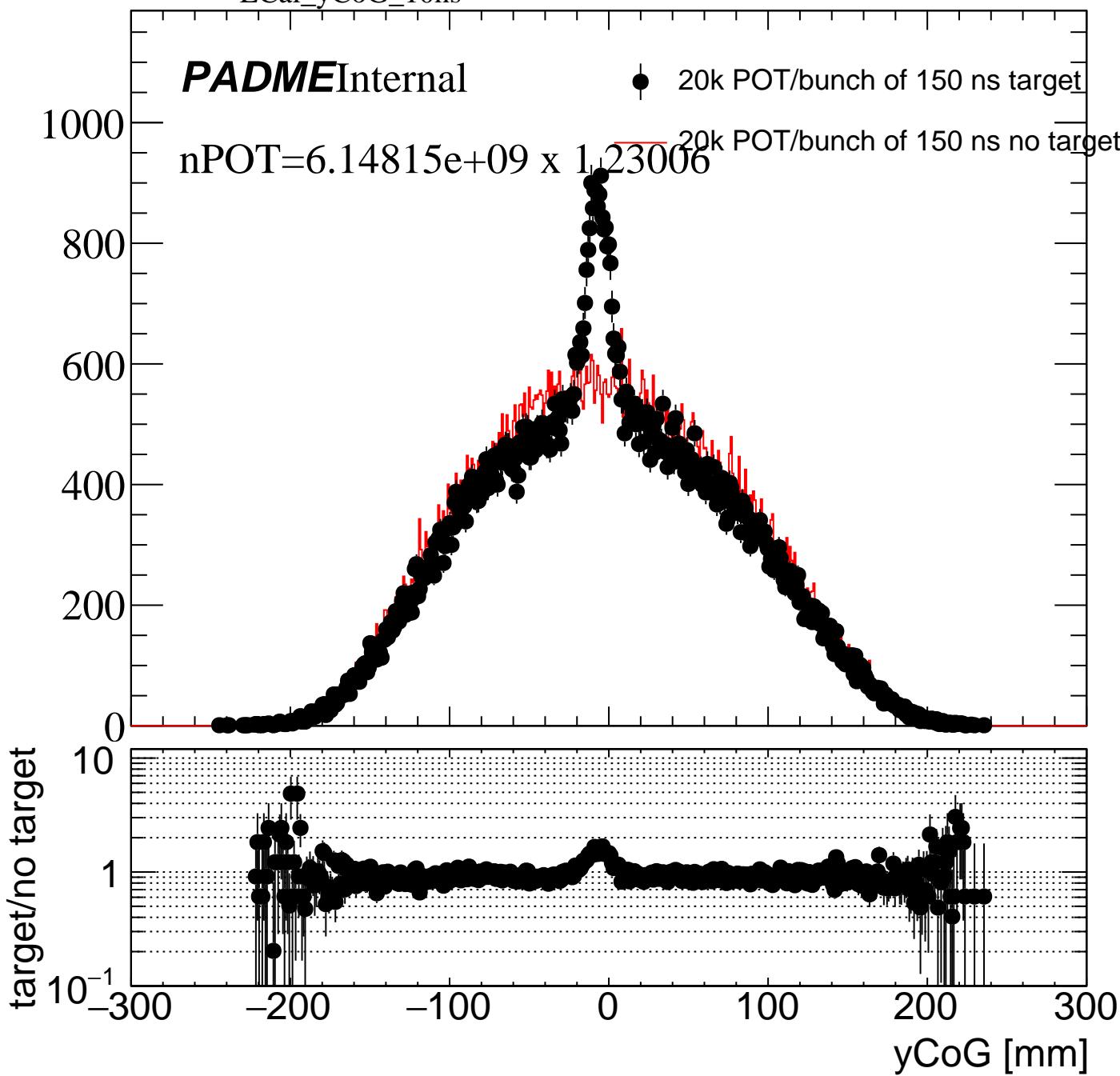


ECal_yCoG_10ns

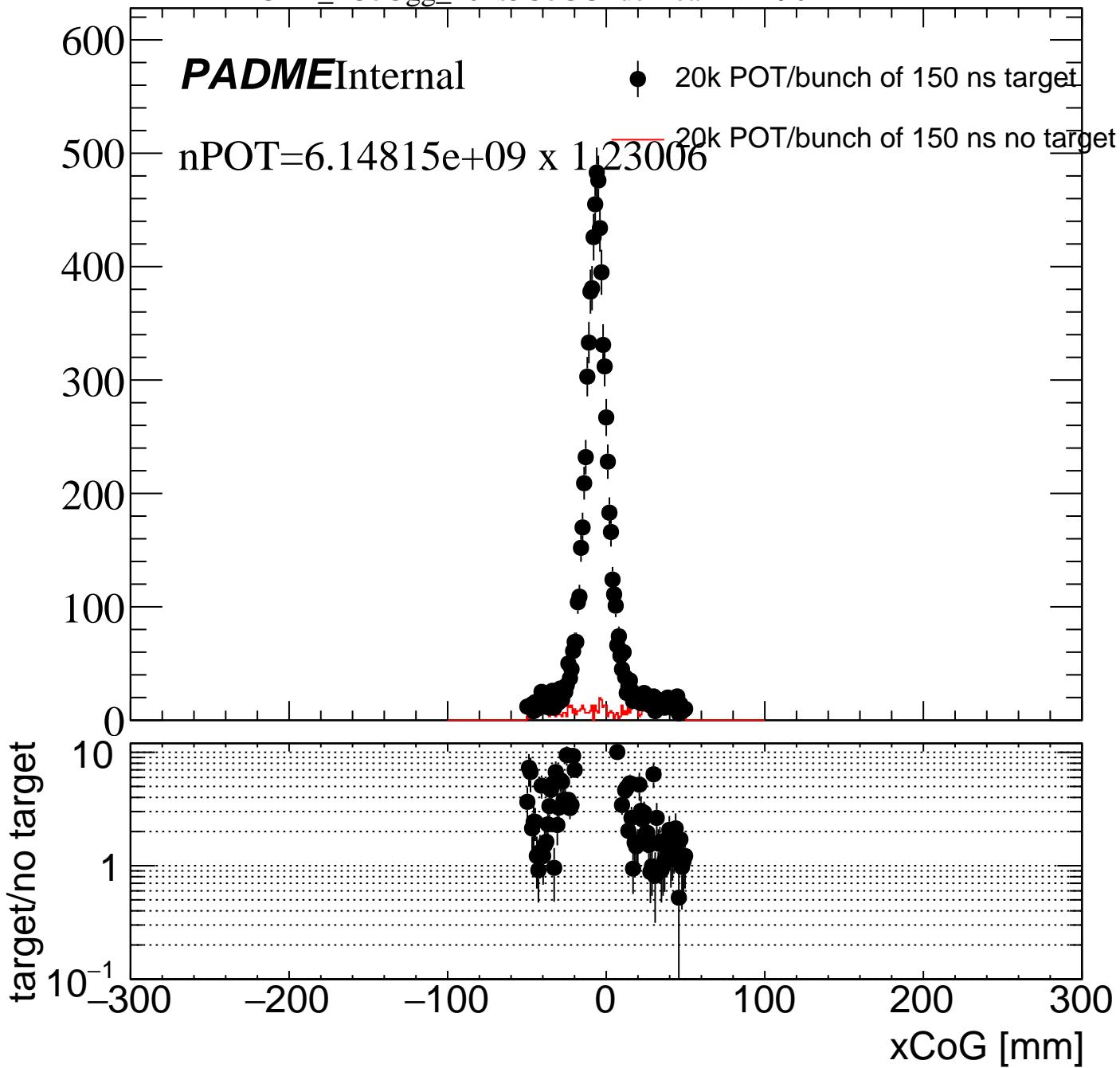
PADMEInternal

• 20k POT/bunch of 150 ns target

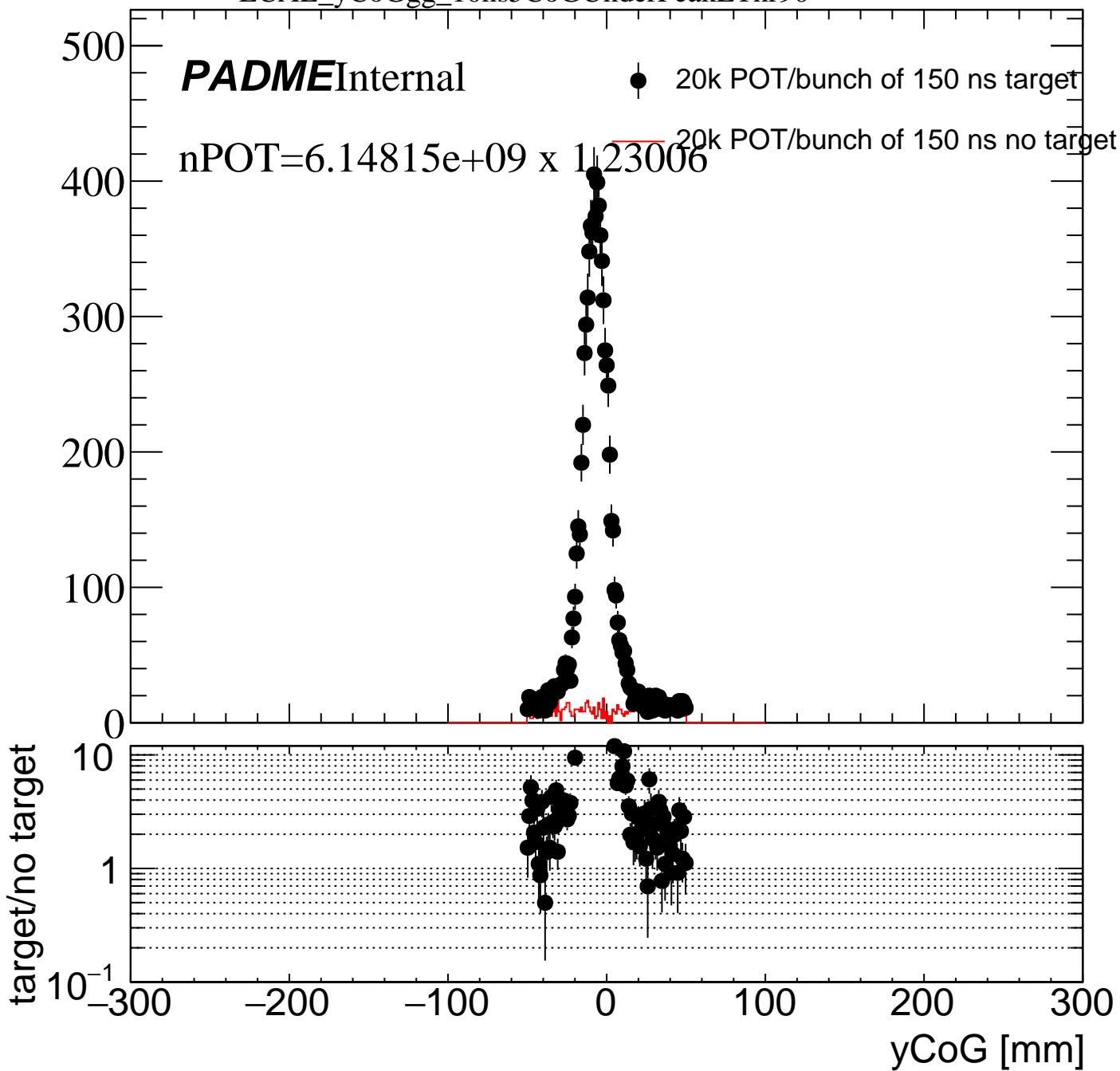
nPOT=6.14815e+09 x 1.23006 20k POT/bunch of 150 ns no target



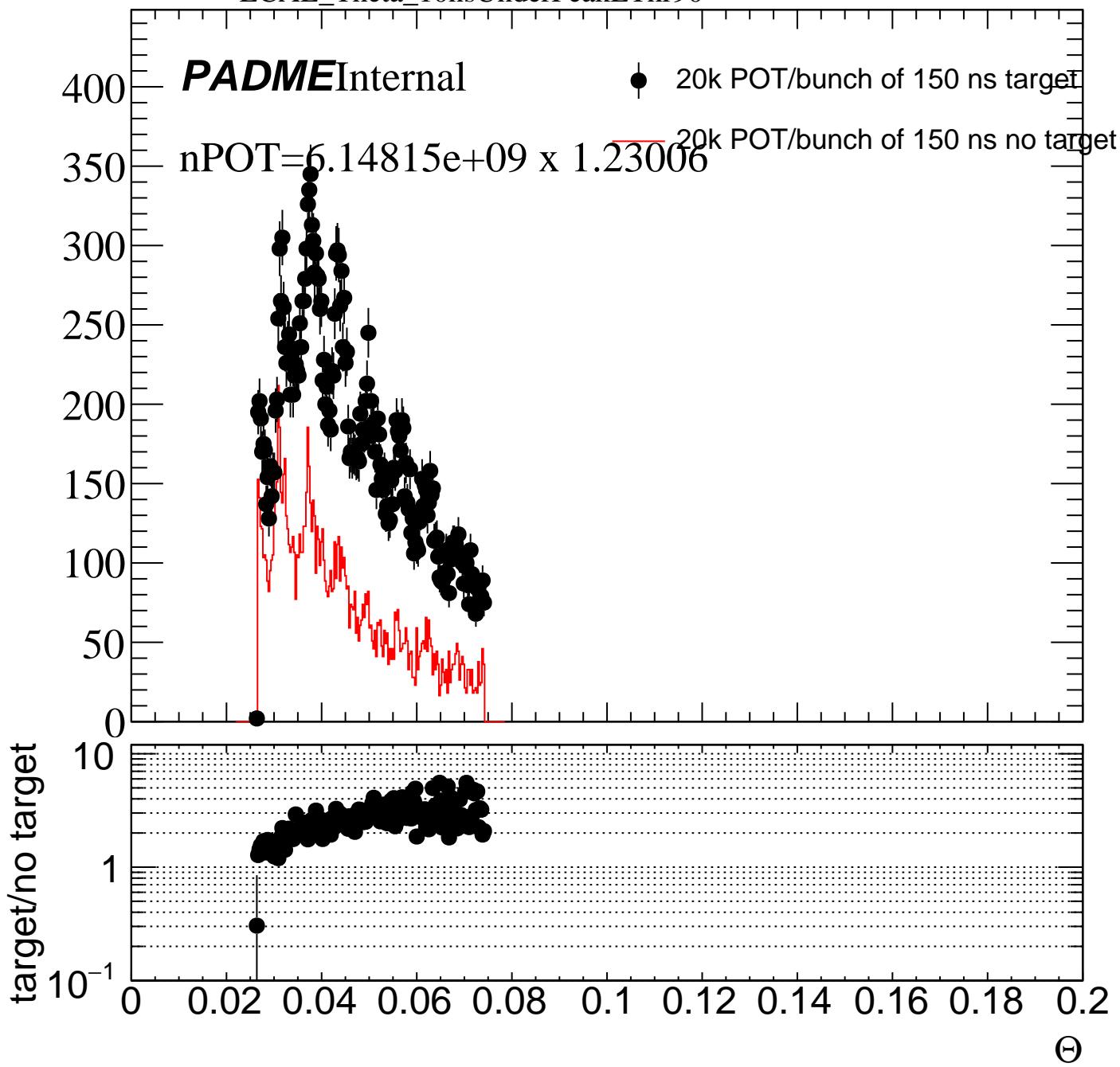
ECAL_xCoGgg_10ns5CoGUnderPeakEThr90



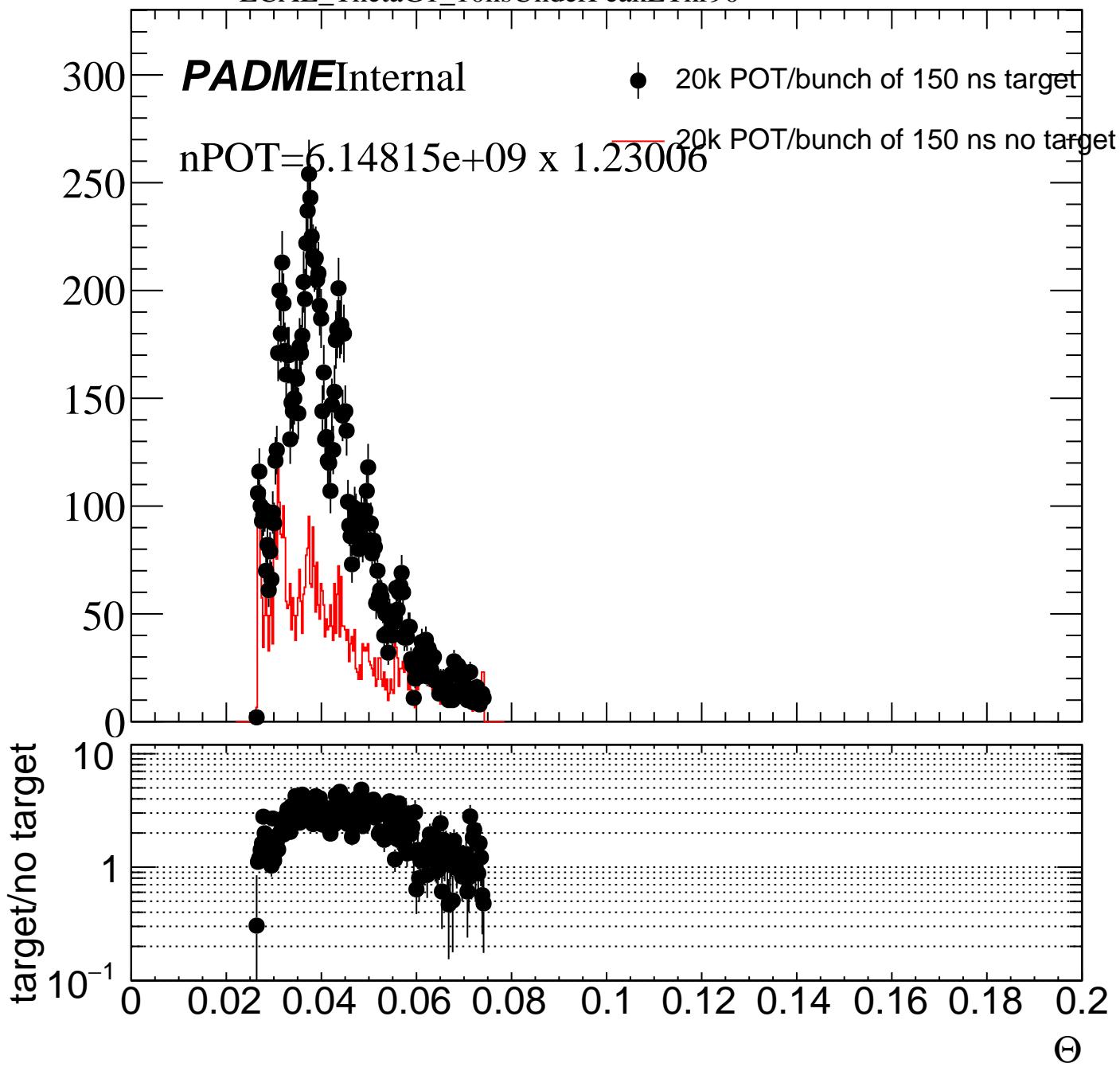
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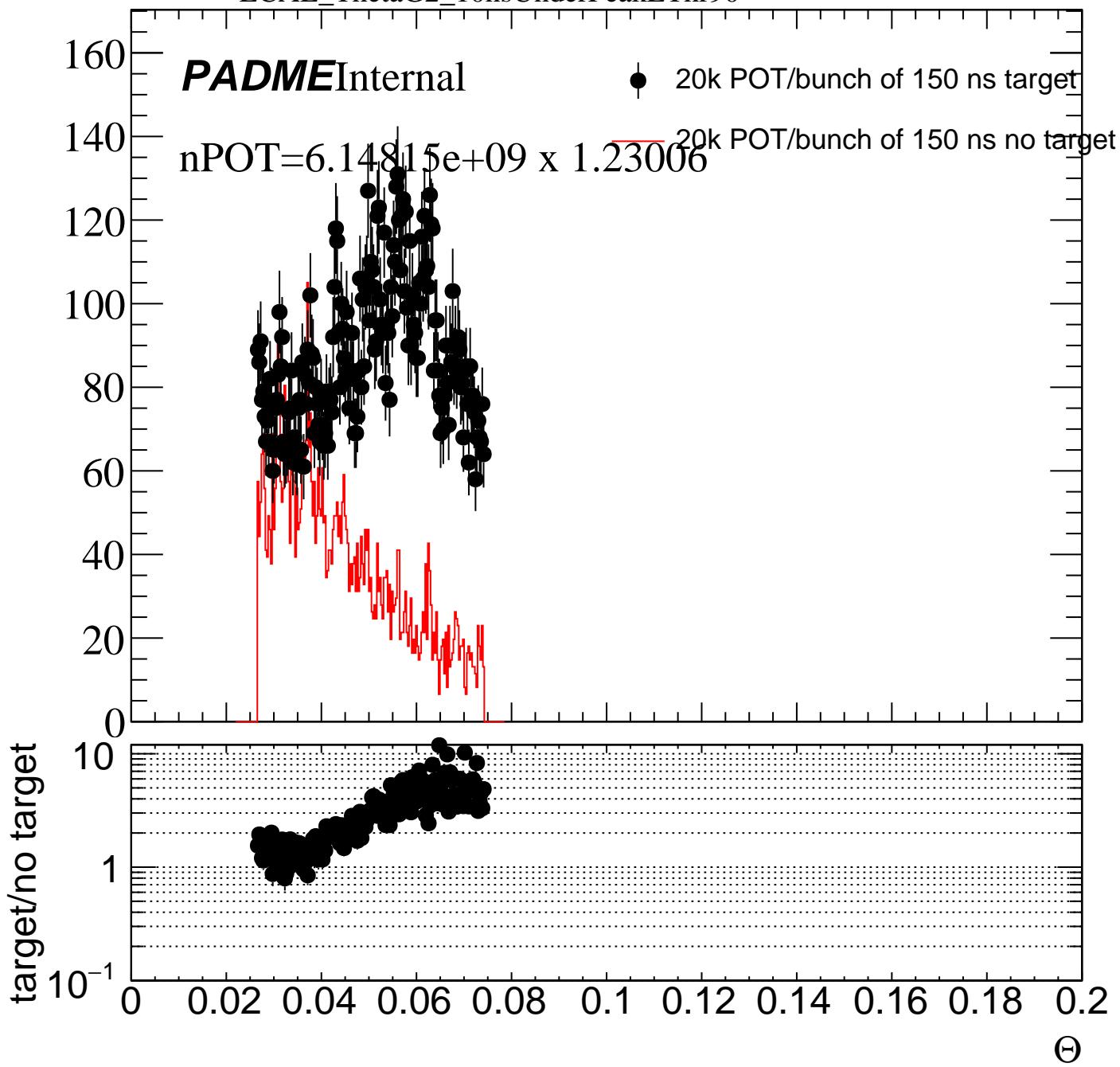
ECAL_Theta_10nsUnderPeakEThr90

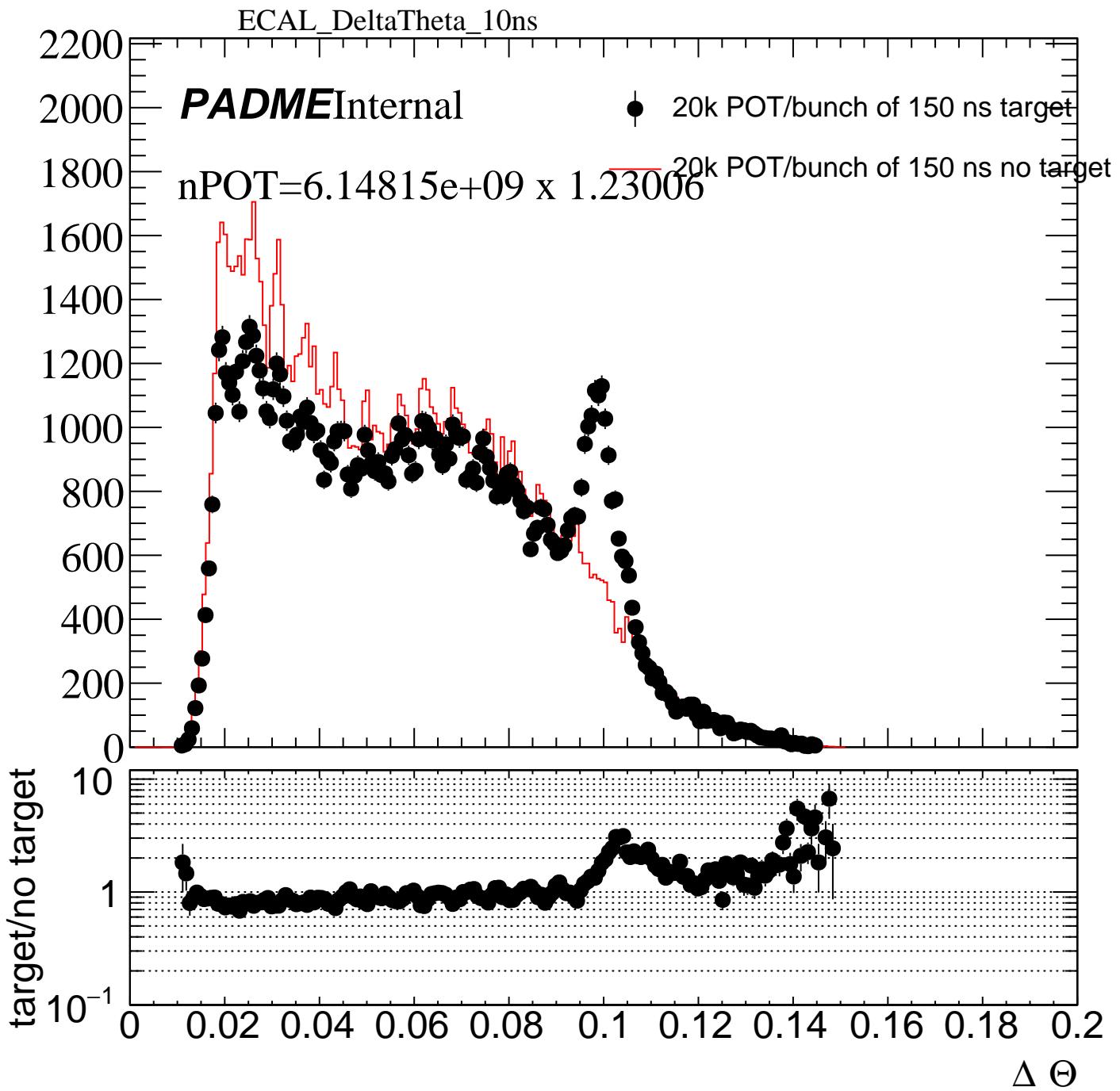


ECAL_ThetaG1_10nsUnderPeakEThr90

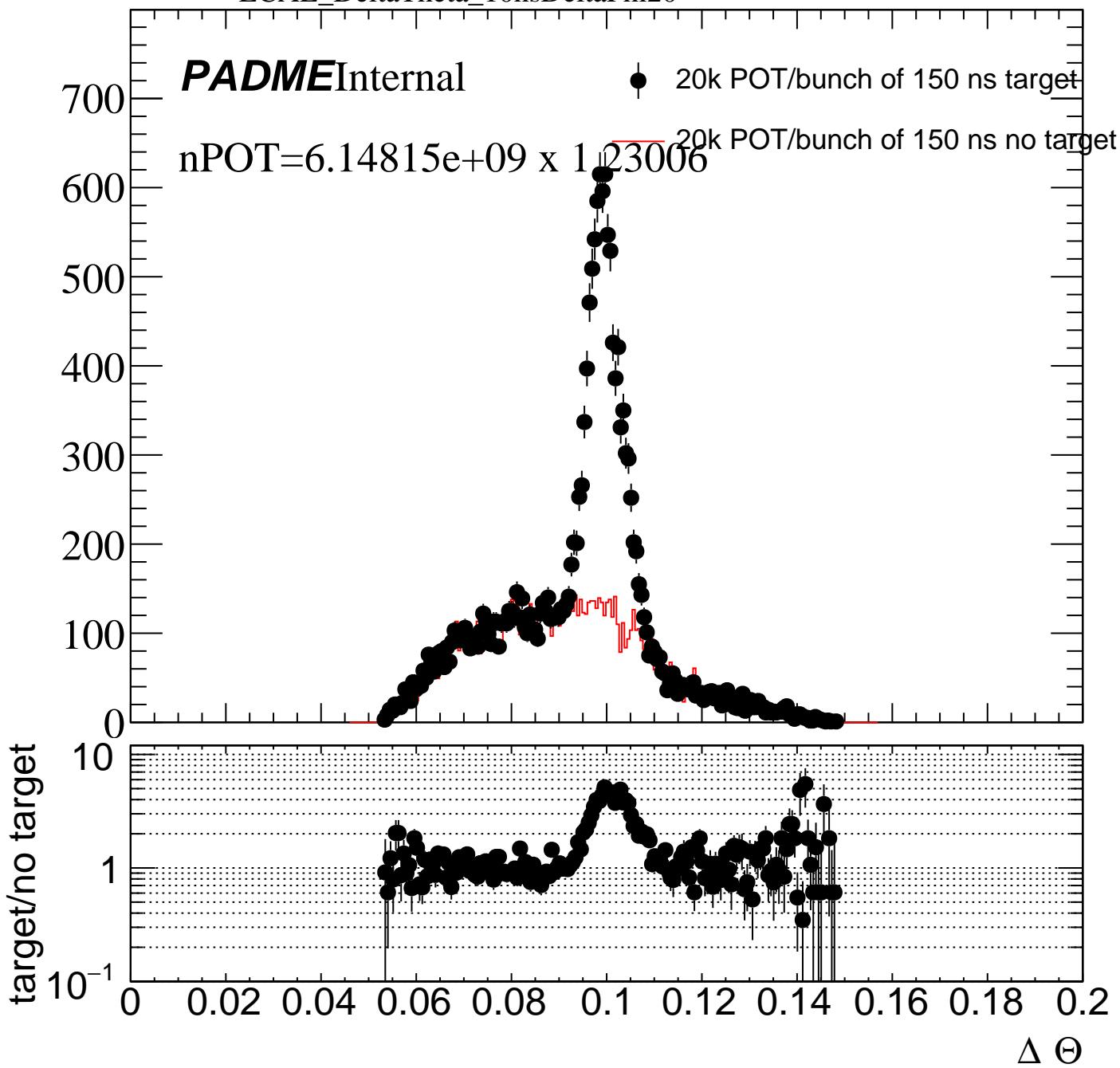


ECAL_ThetaG2_10nsUnderPeakEThr90

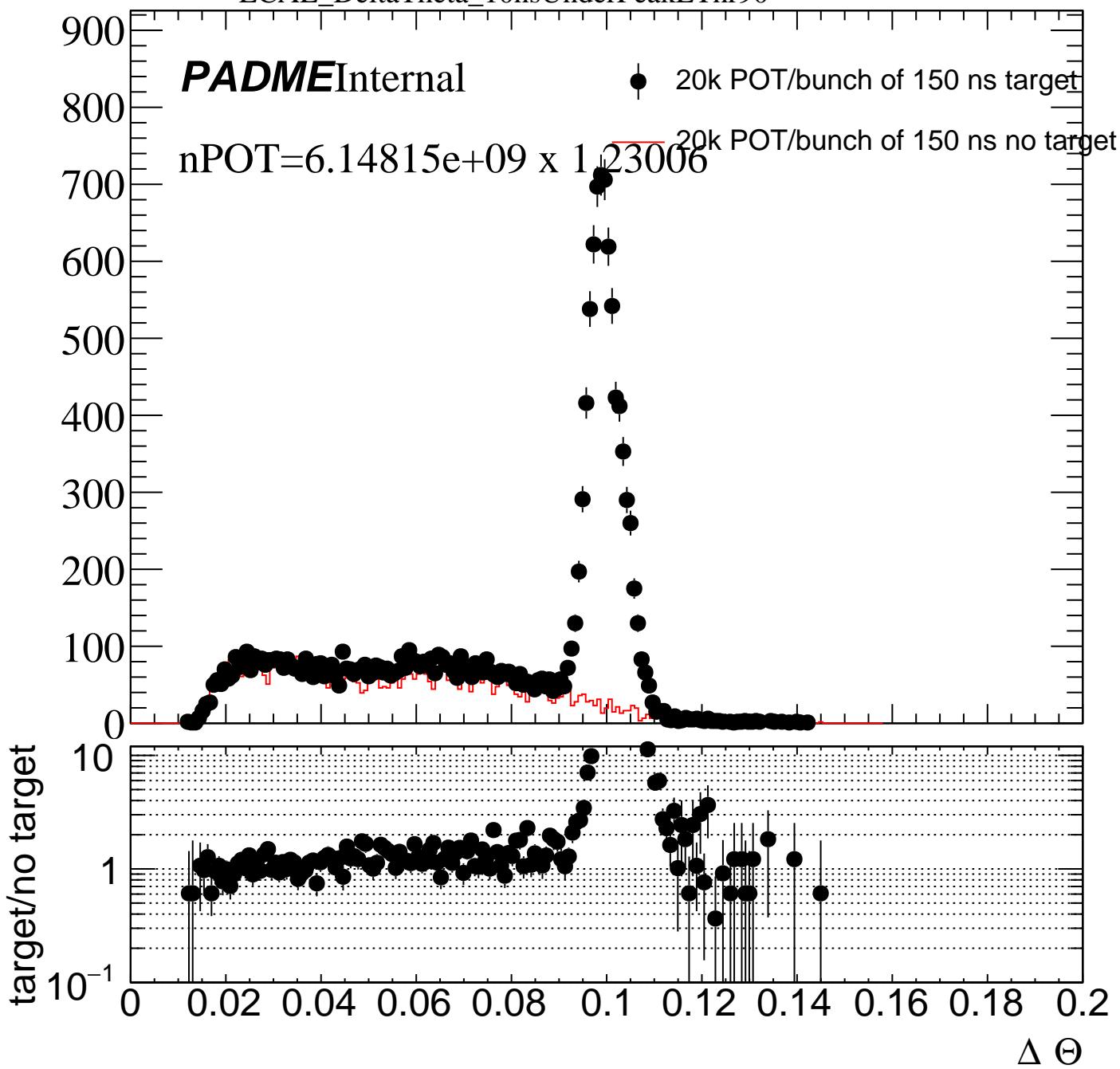


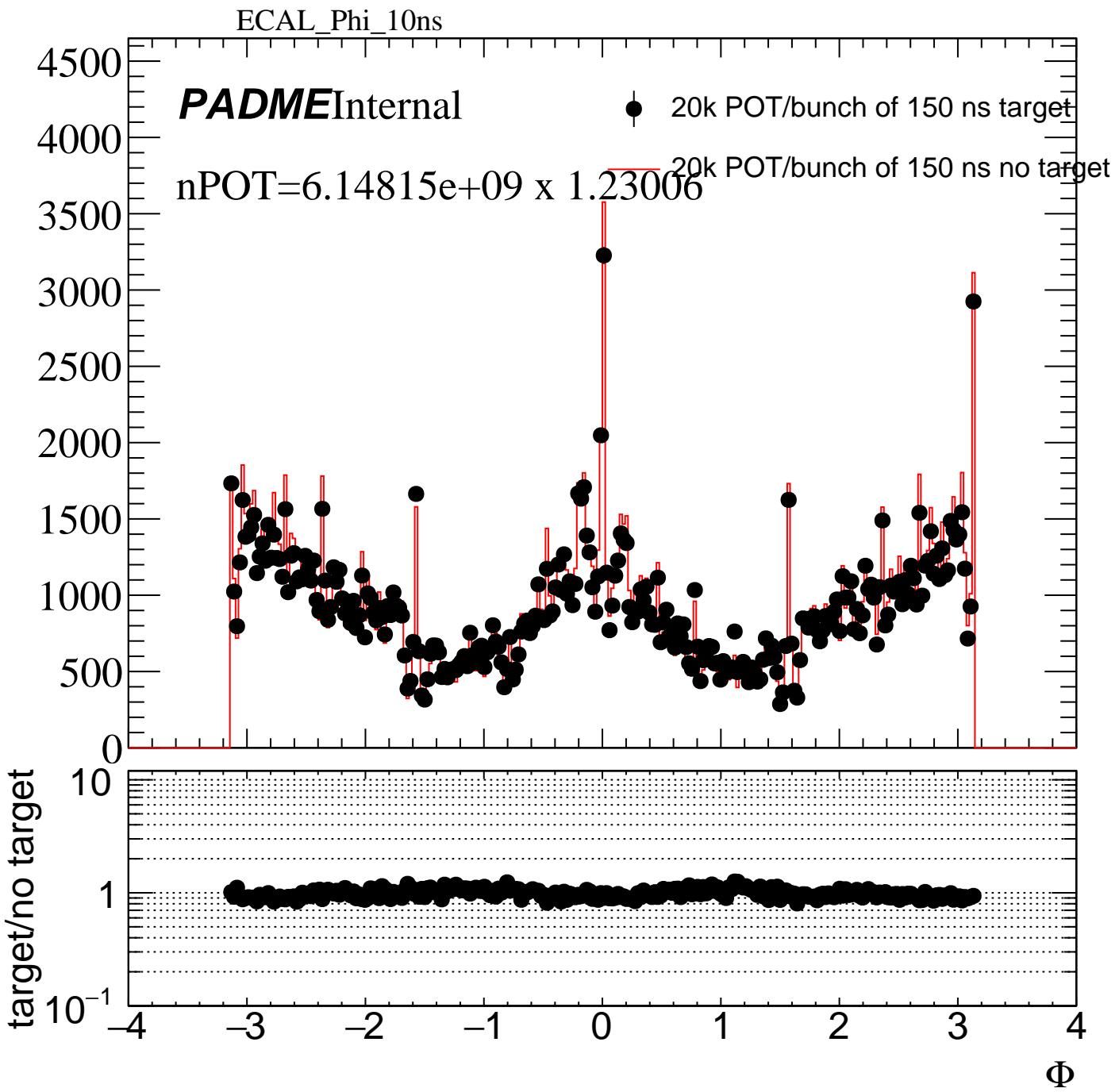


ECAL_DeltaTheta_10nsDeltaPhi20

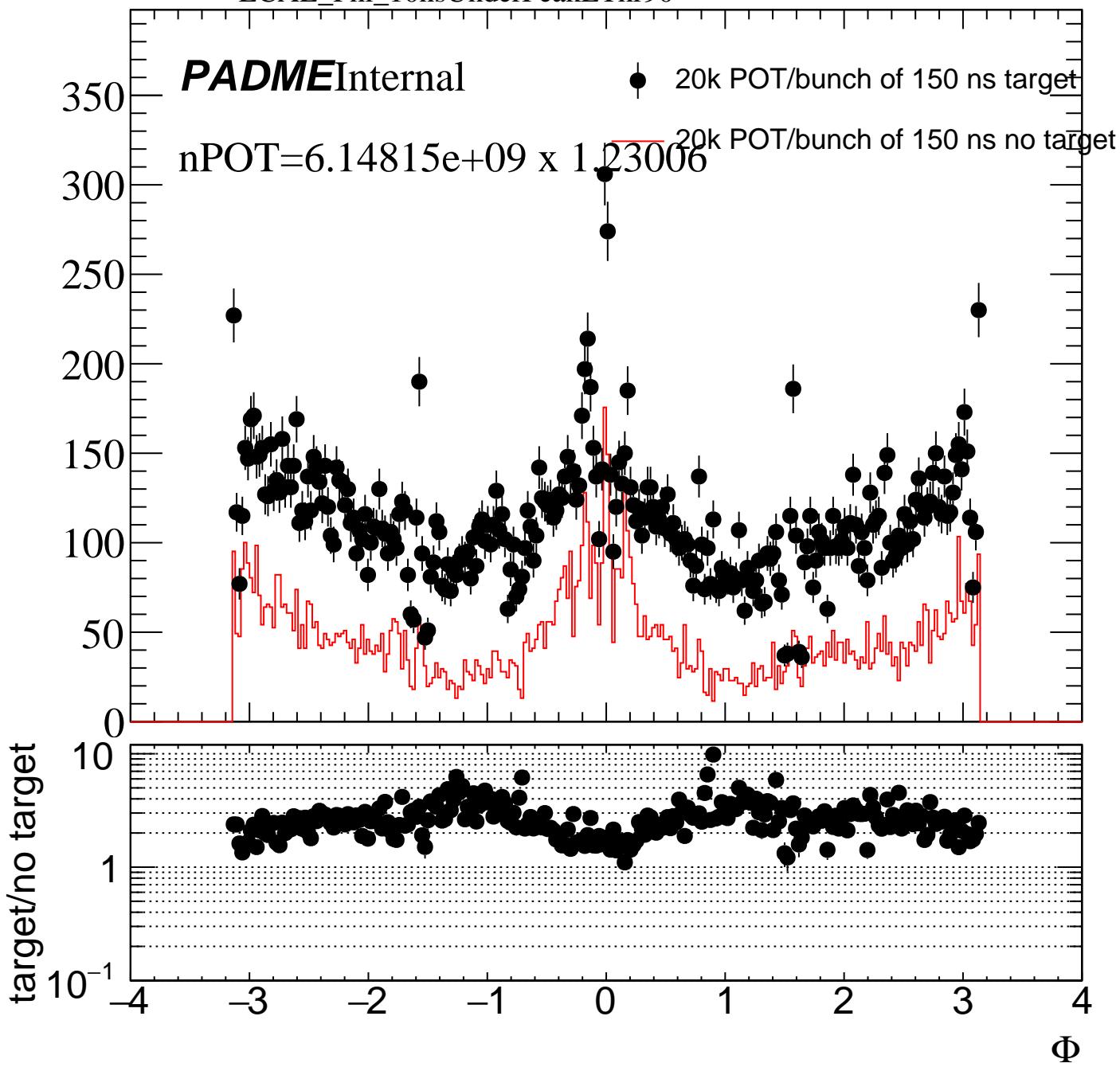


ECAL_DeltaTheta_10nsUnderPeakEThr90

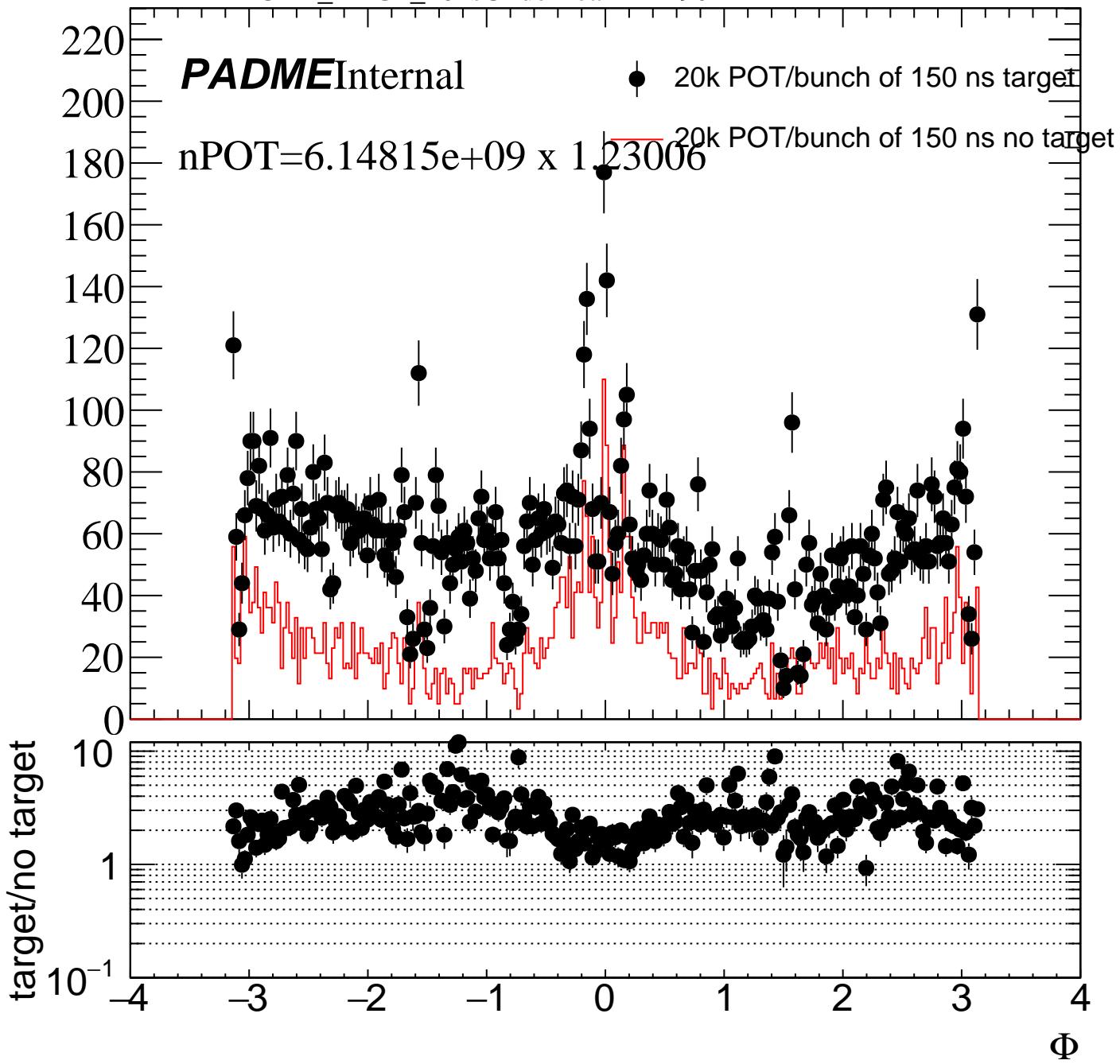




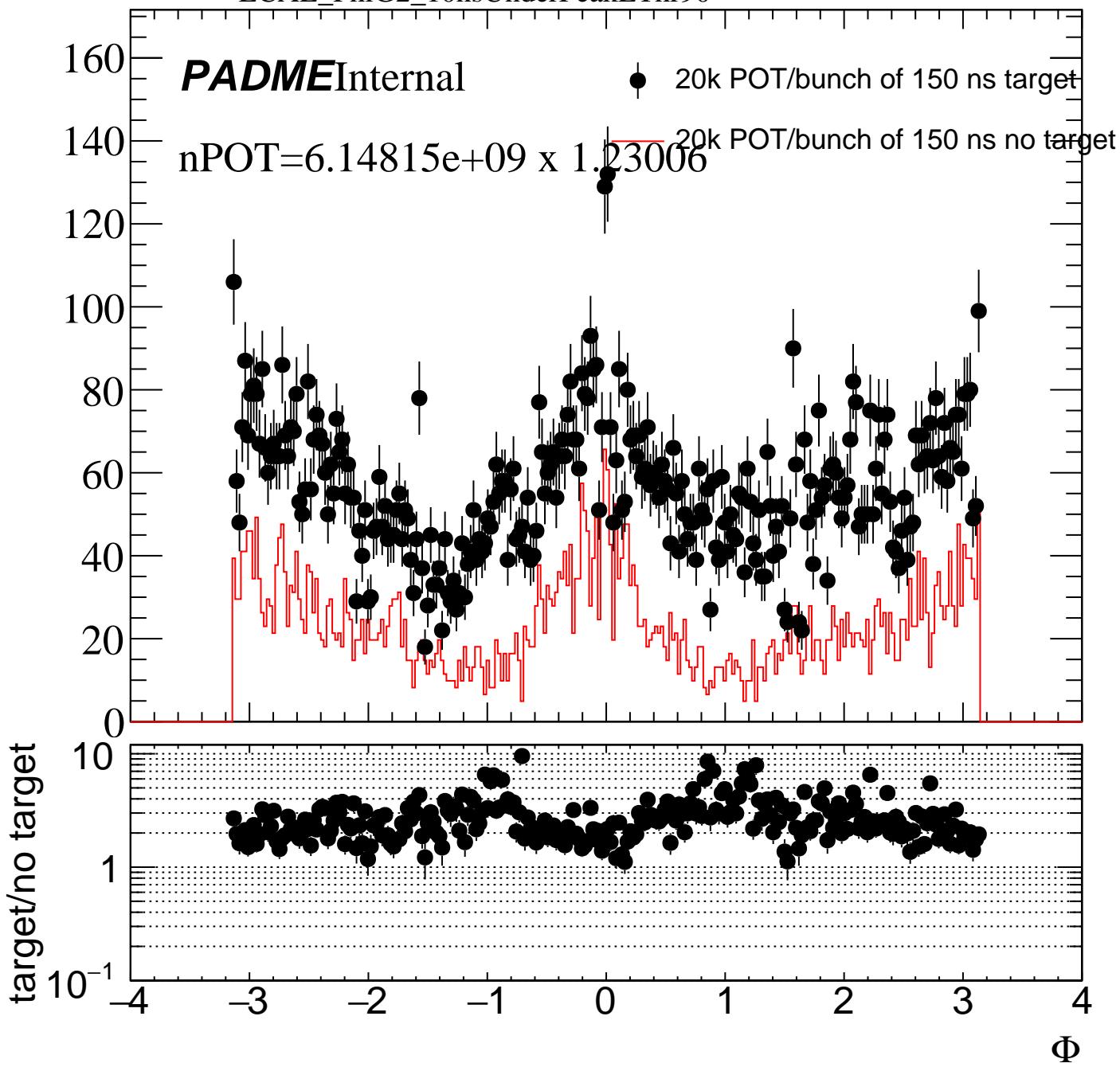
ECAL_Phi_10nsUnderPeakEThr90



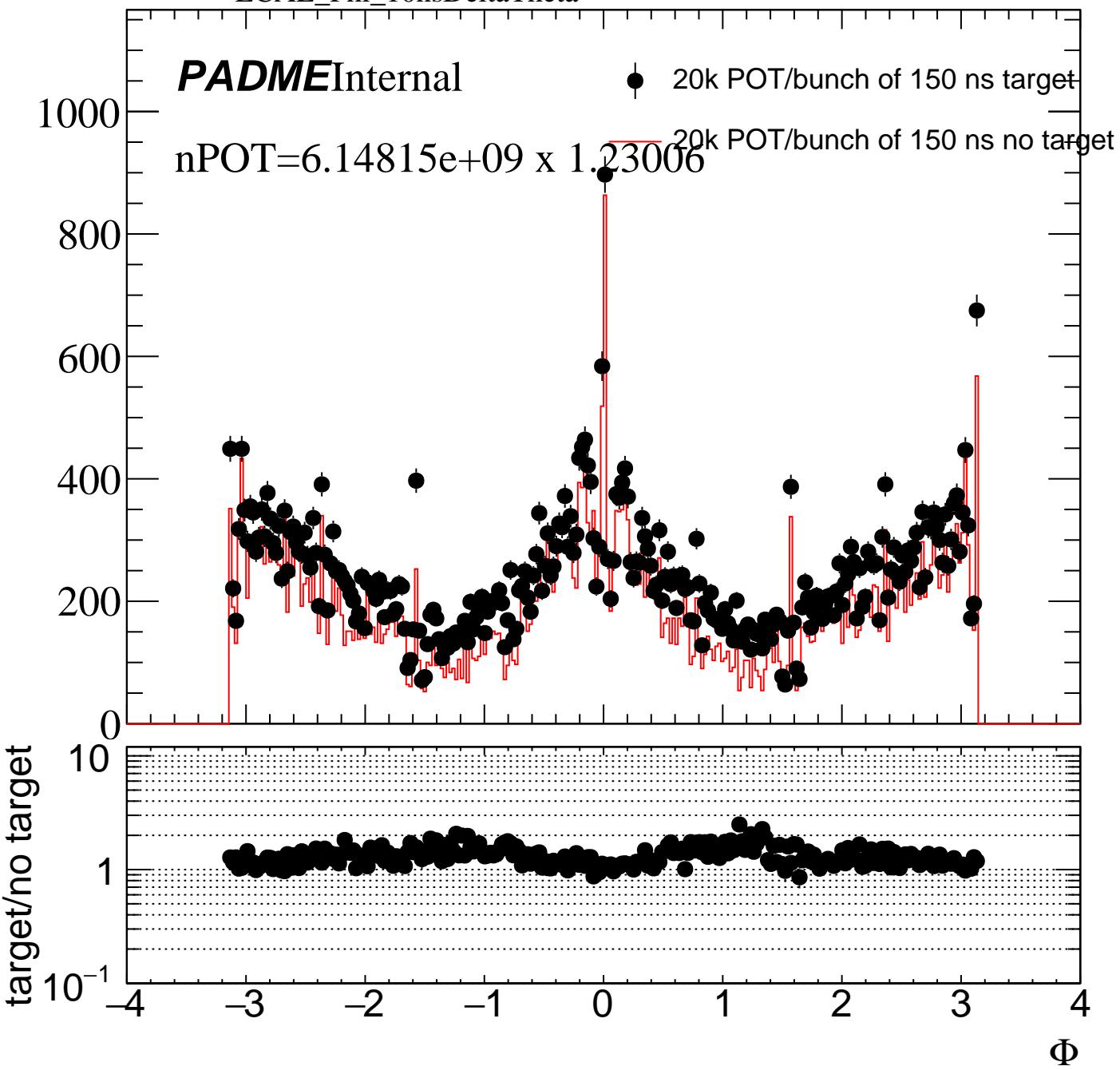
ECAL_PhiG1_10nsUnderPeakEThr90



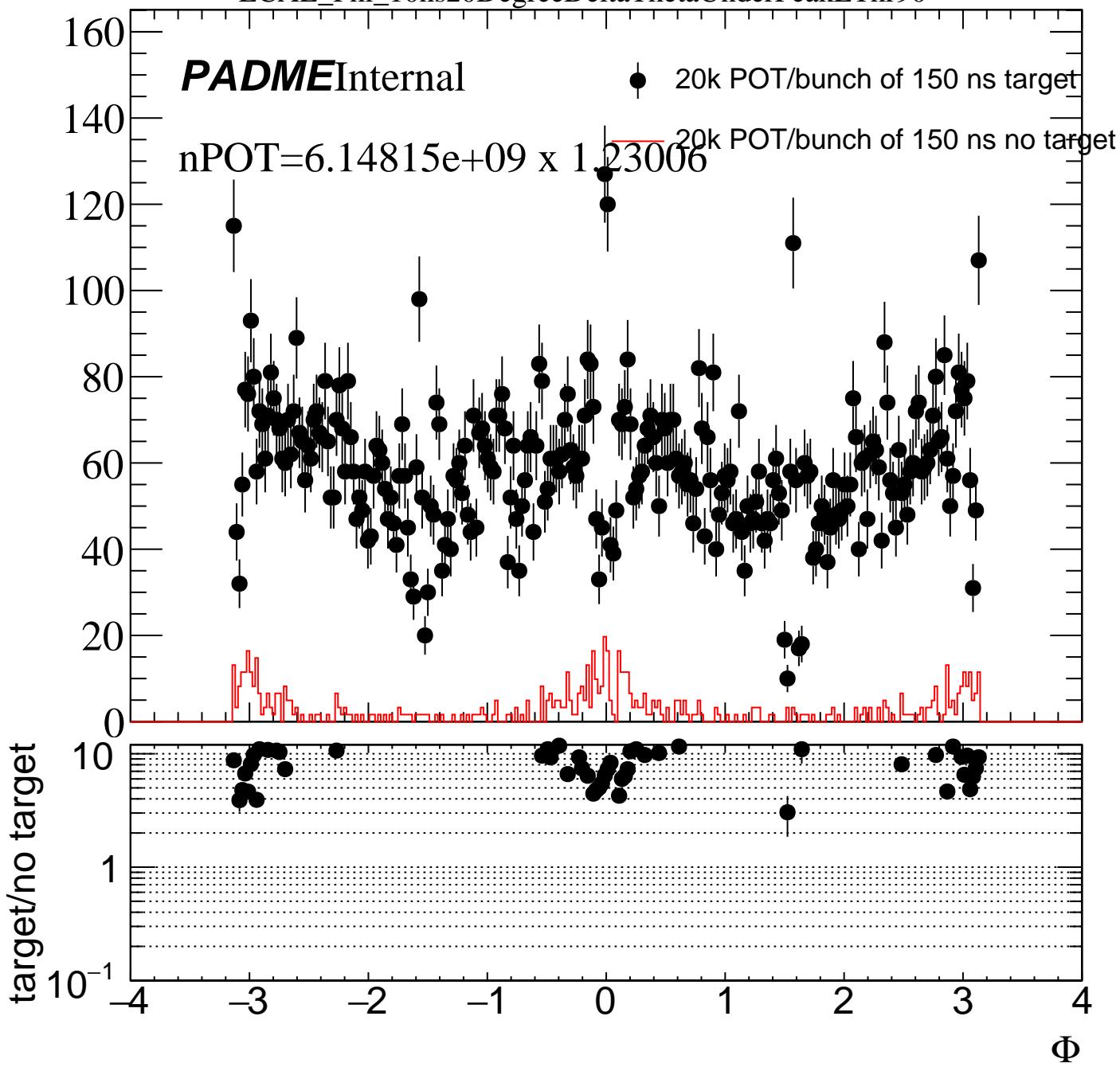
ECAL_PhiG2_10nsUnderPeakEThr90



ECAL_Phi_10nsDeltaTheta



ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90



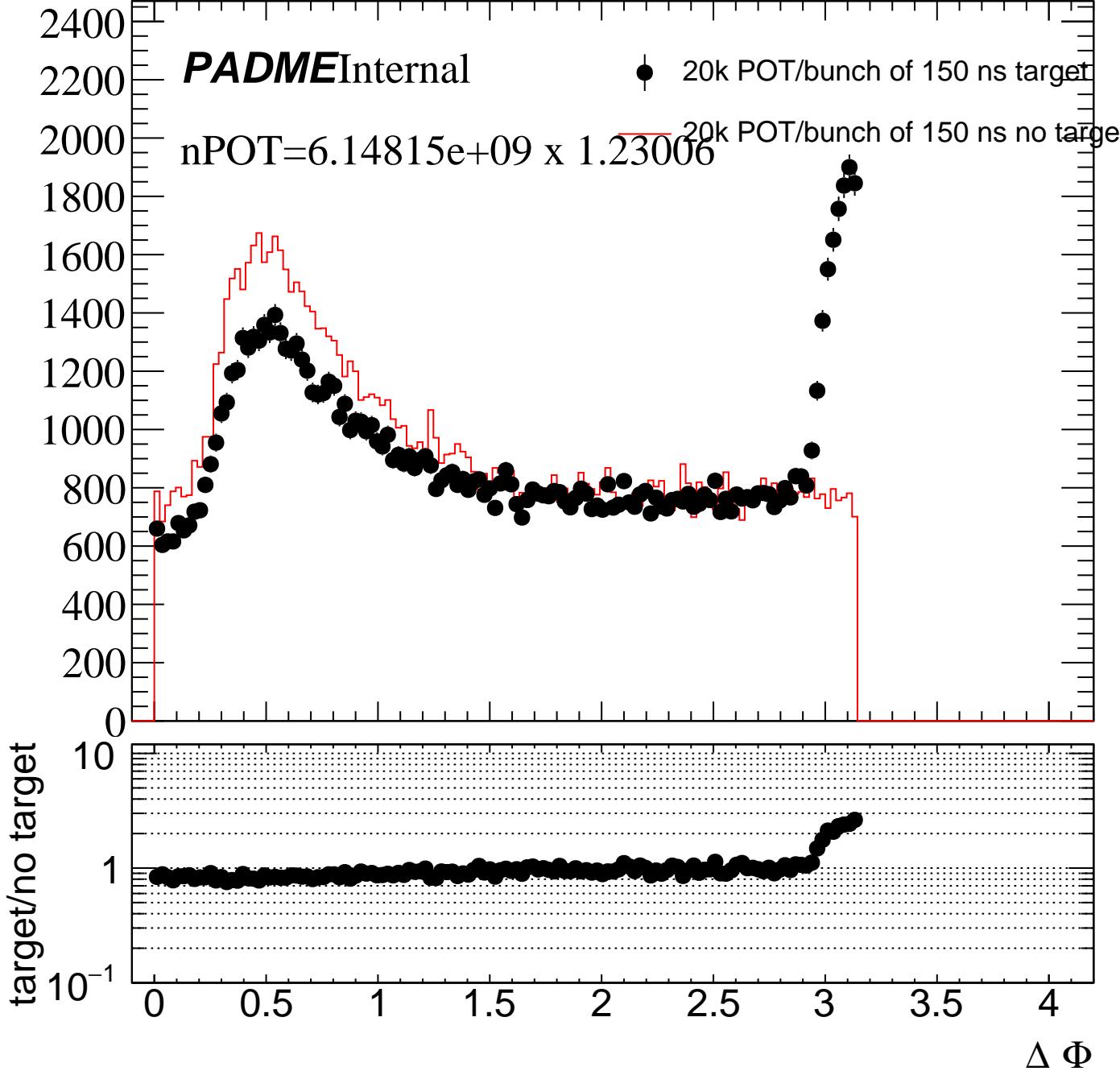
ECAL_DeltaPhi_10ns

PADME Internal

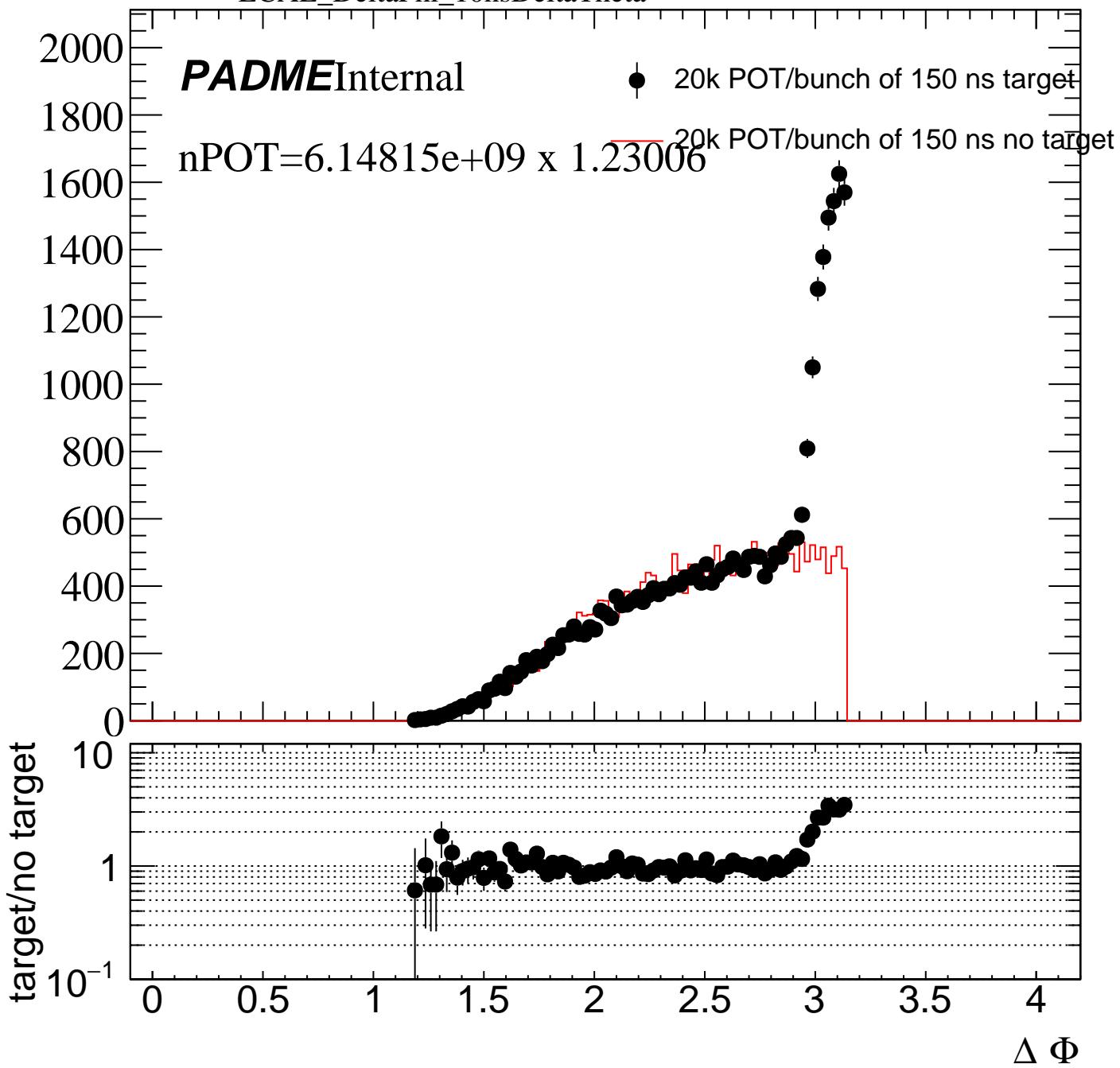
• 20k POT/bunch of 150 ns target

nPOT=6.14815e+09 x 1.23006

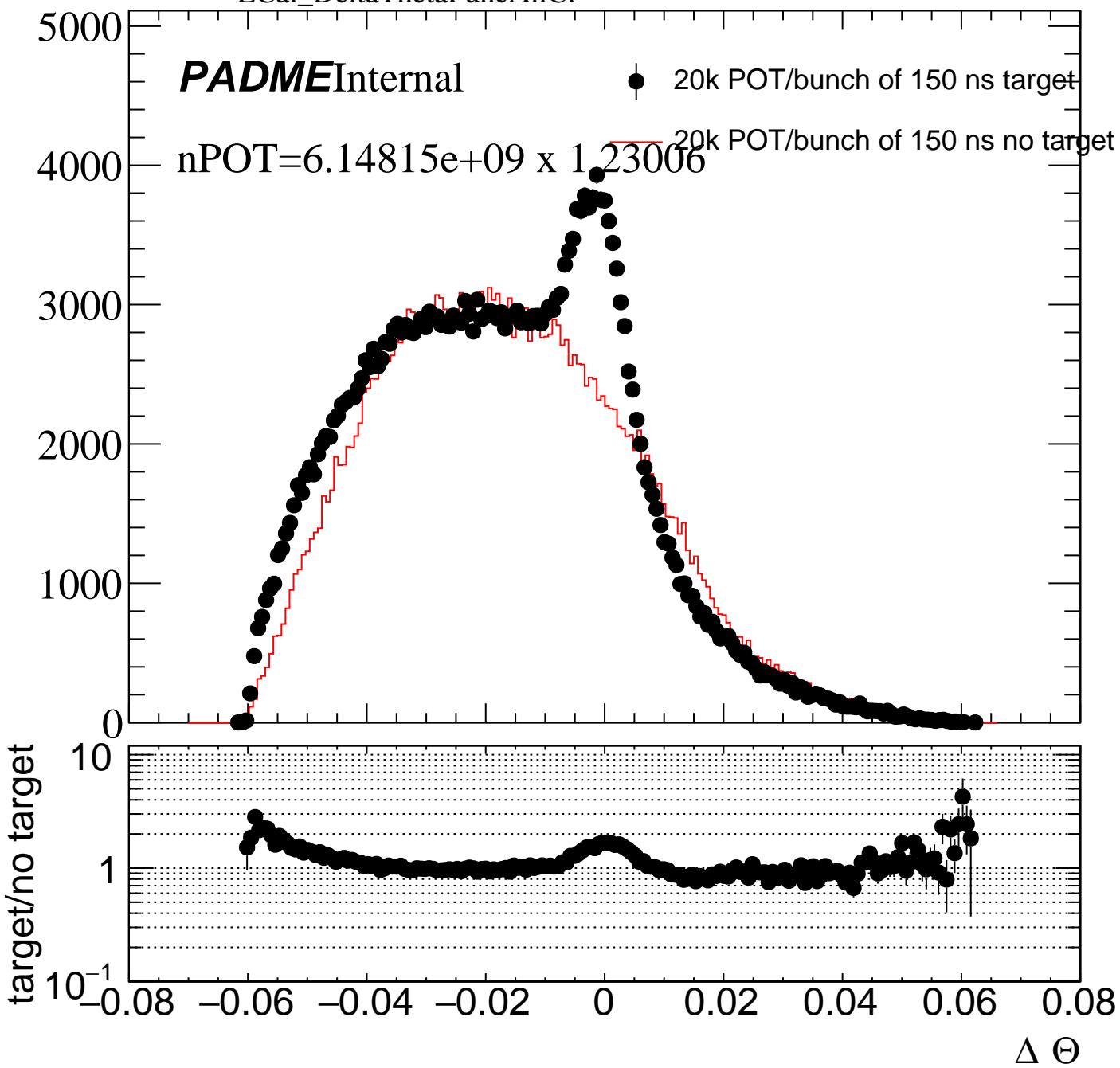
20k POT/bunch of 150 ns no target



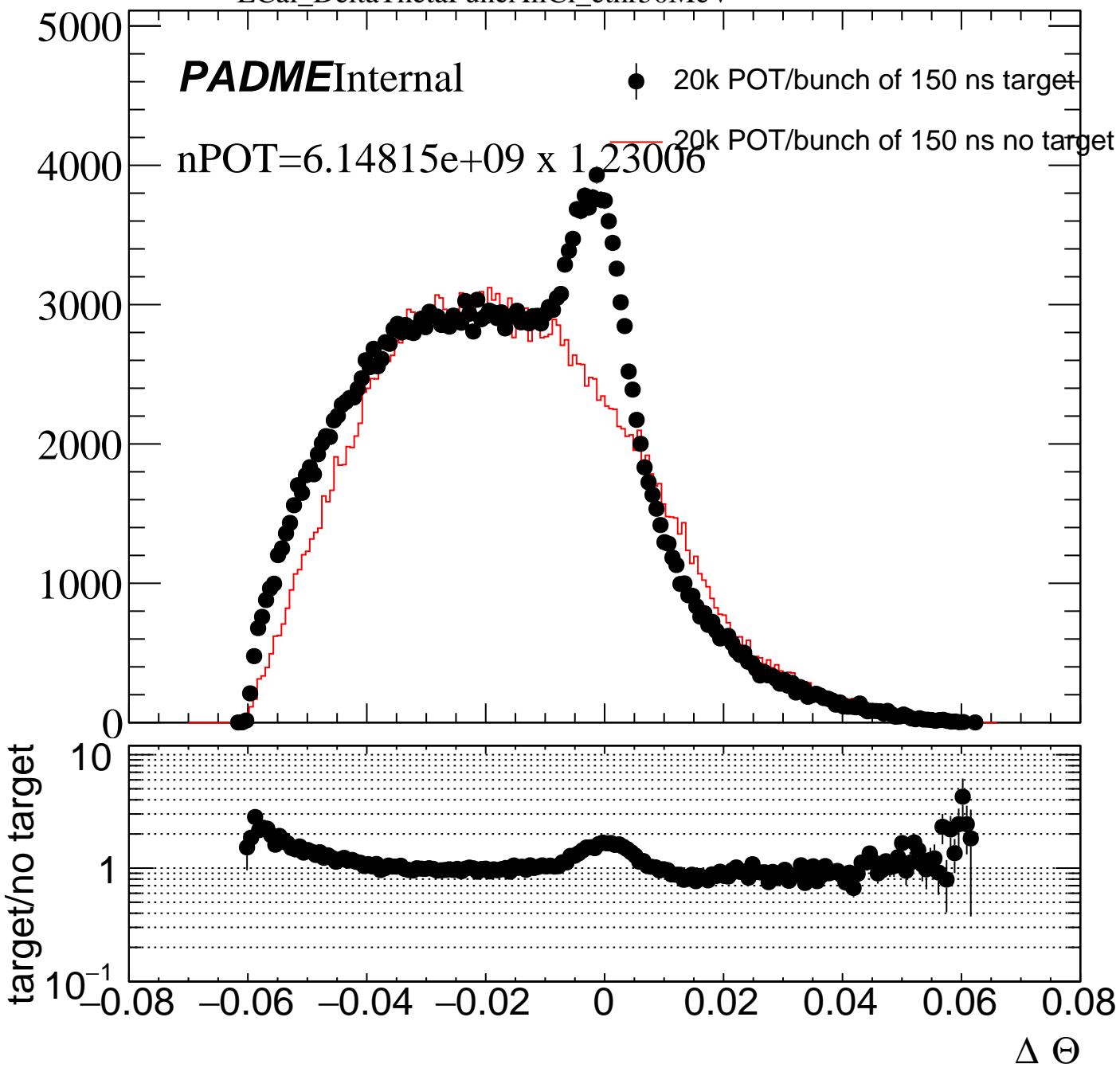
ECAL_DeltaPhi_10nsDeltaTheta



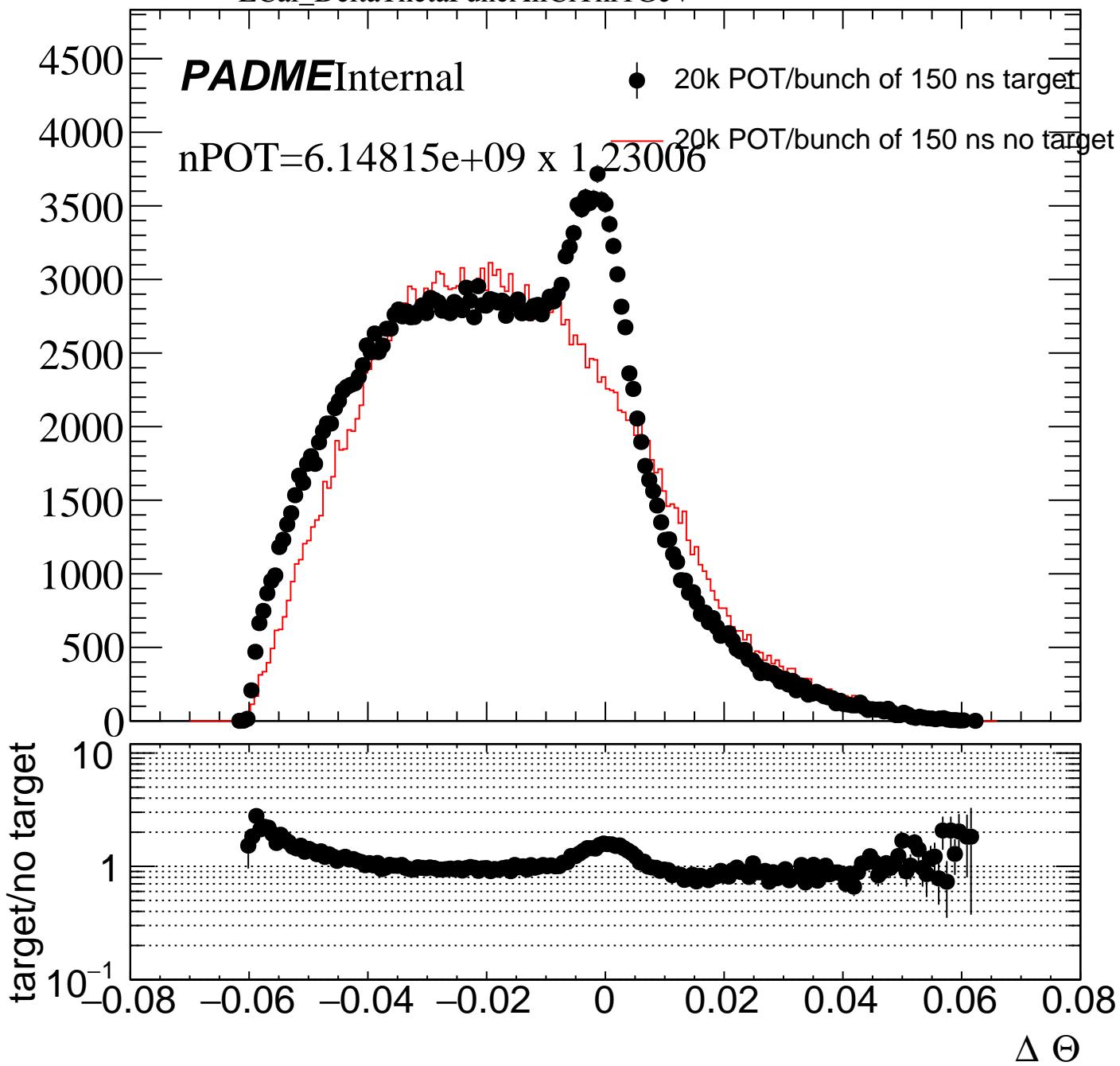
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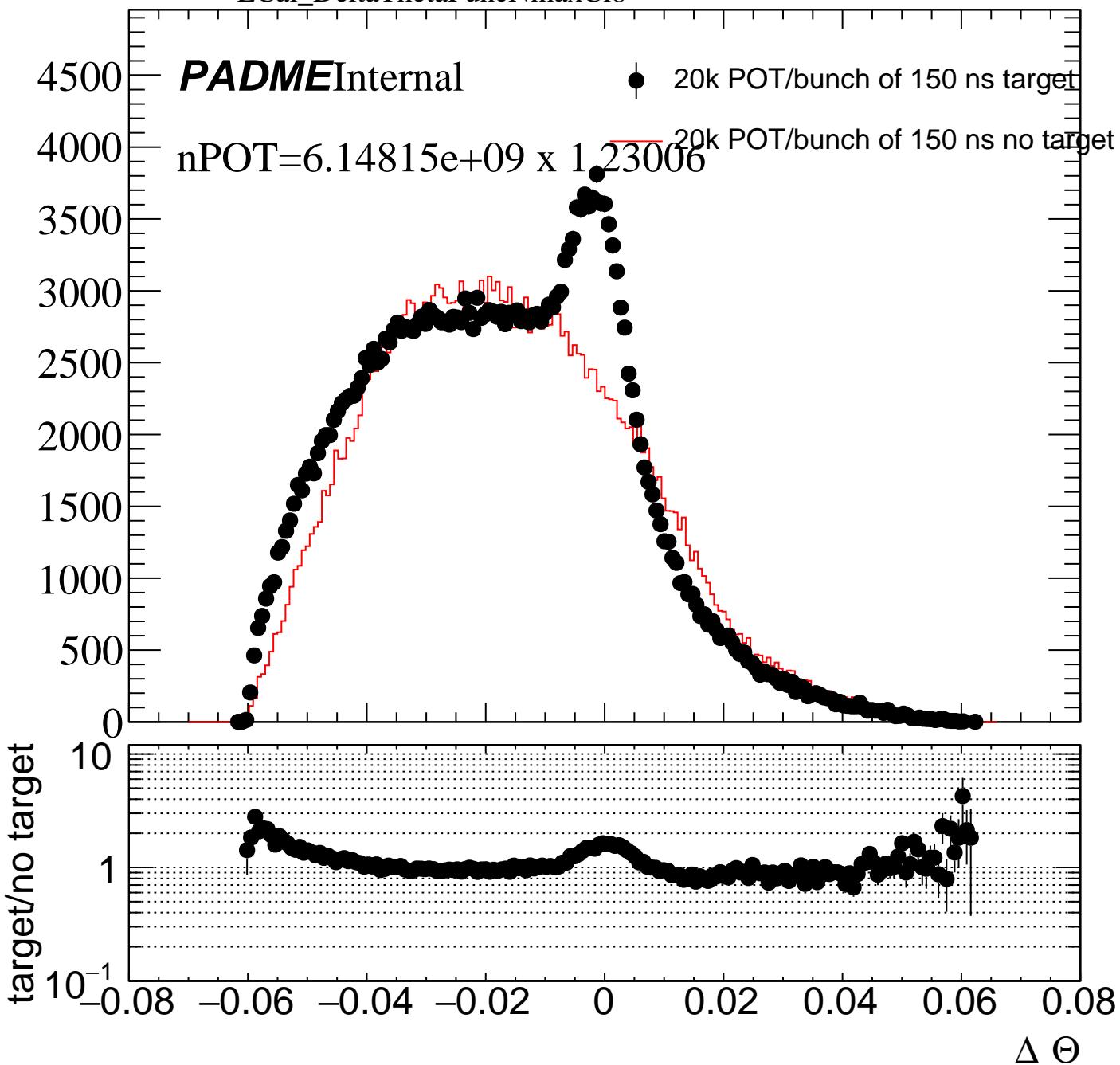
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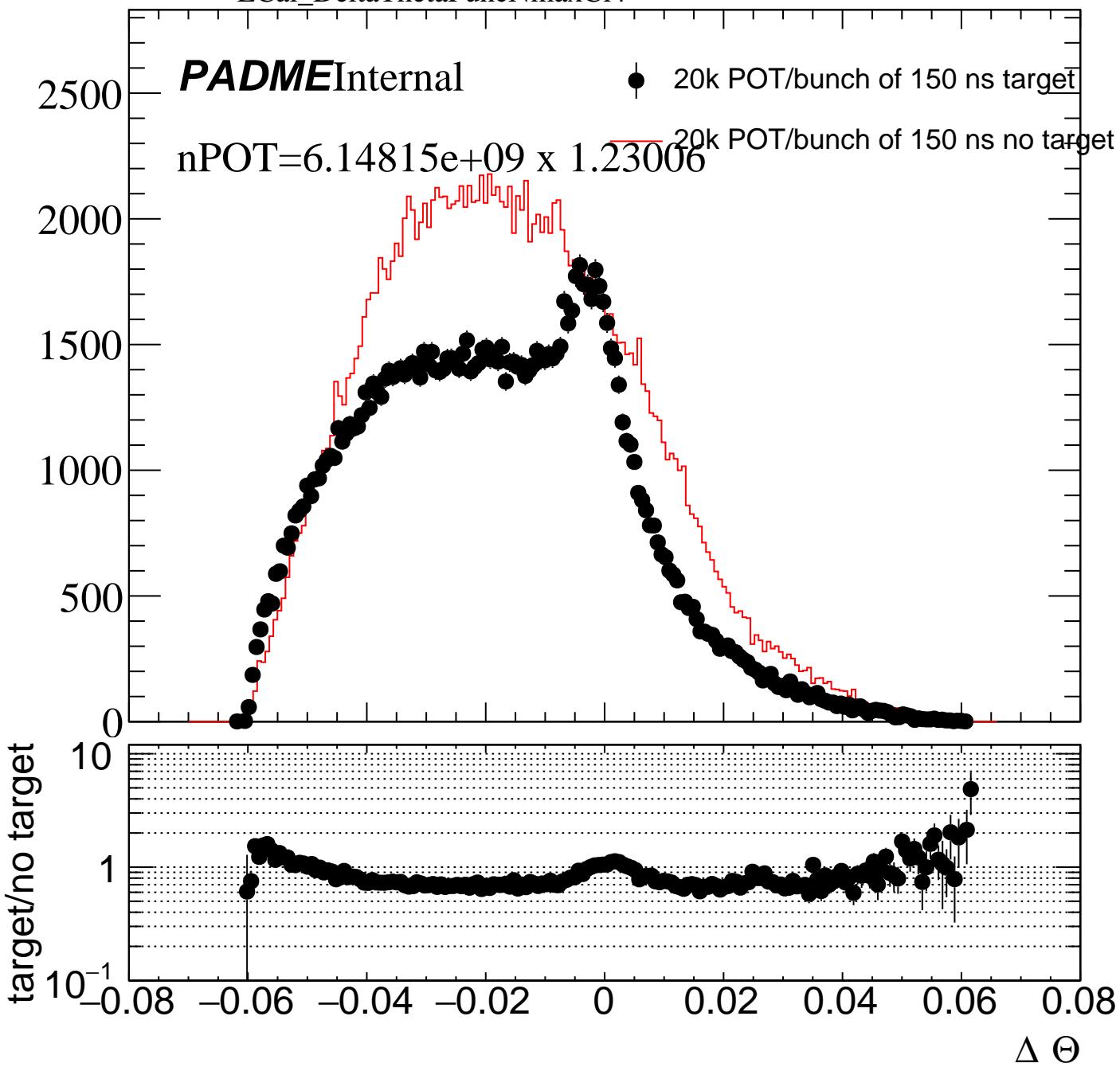
ECal_DeltaThetaFuncAllClThr1GeV



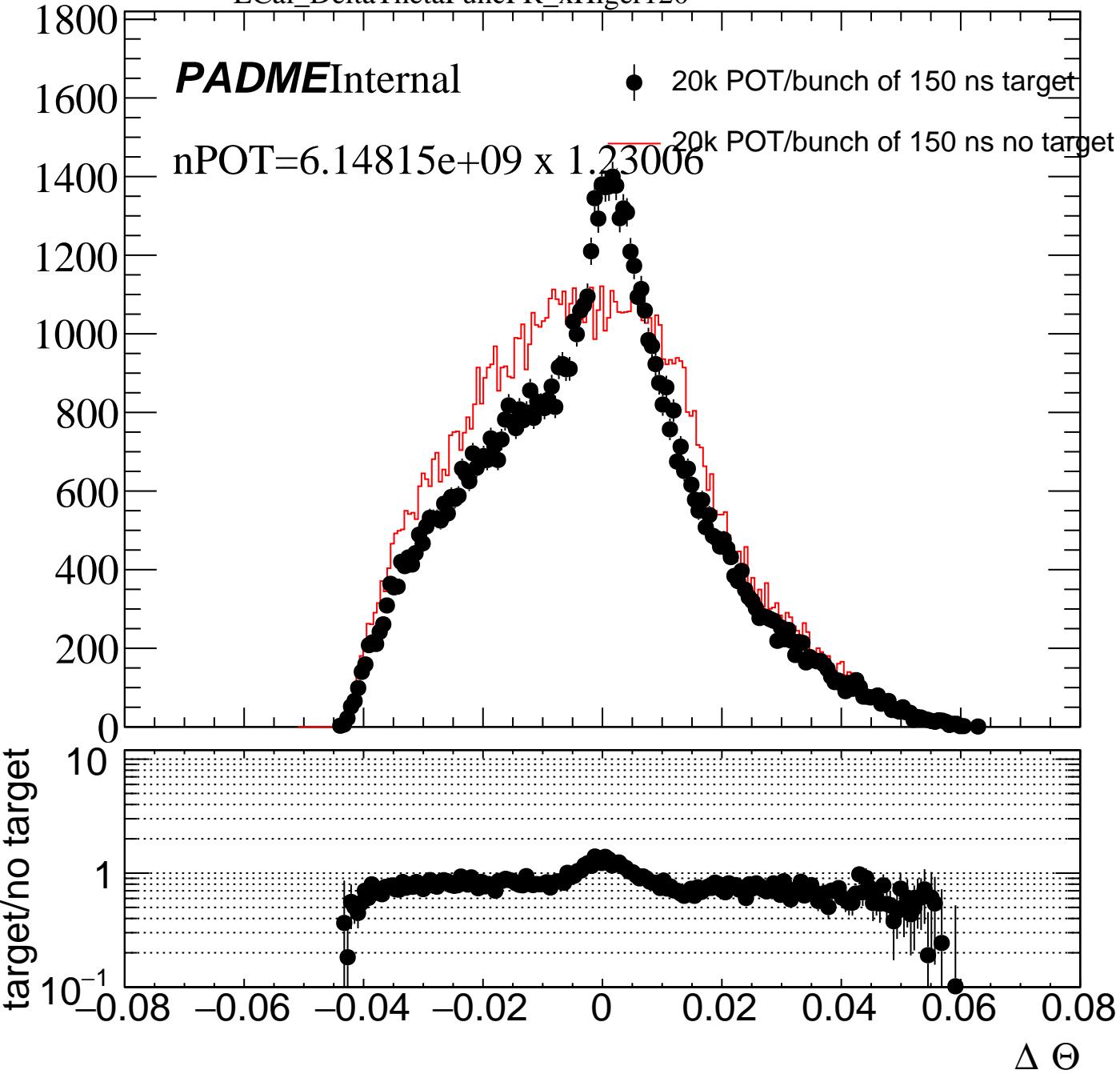
ECal_DeltaThetaFuncNmaxC18



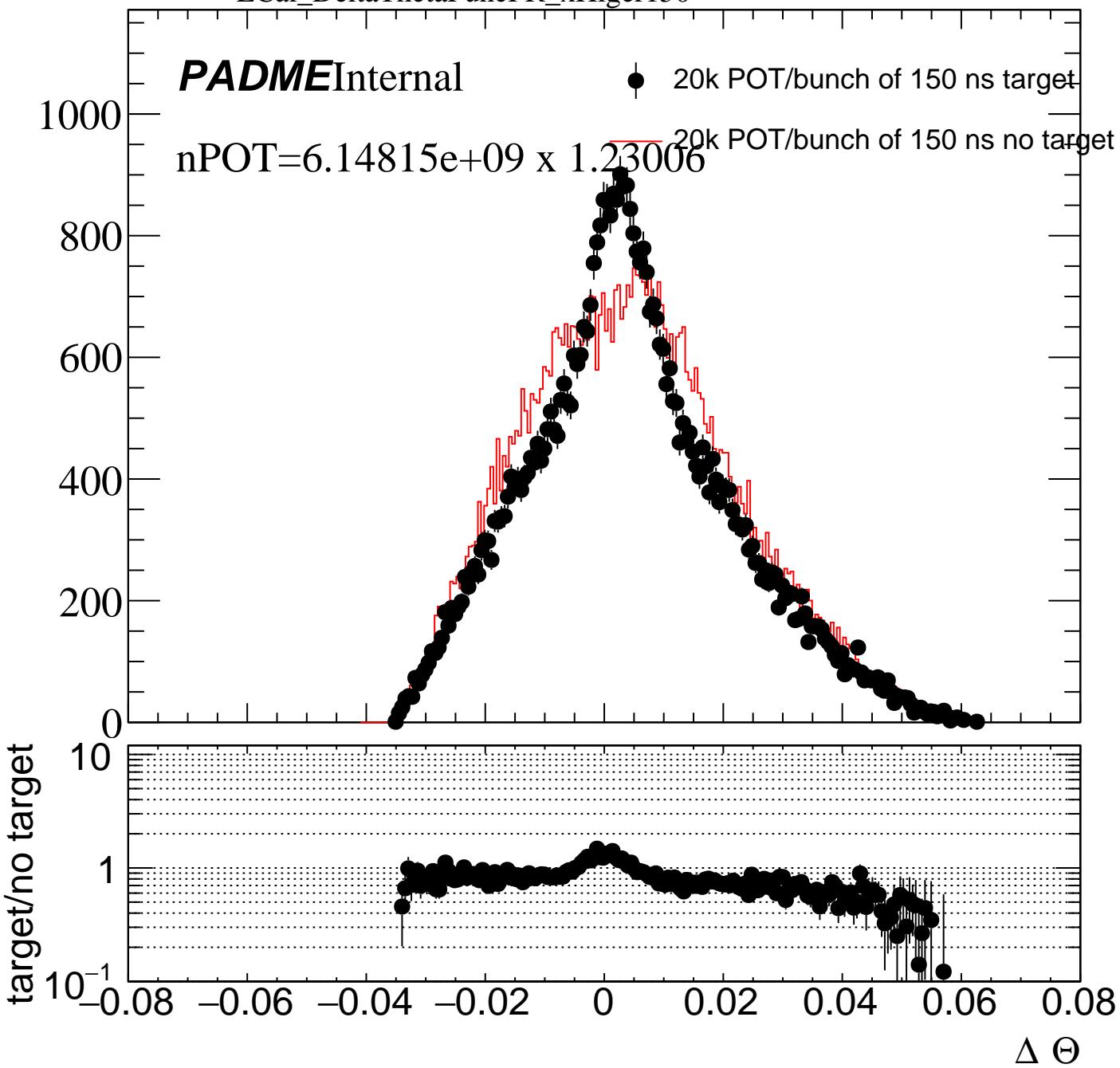
ECal_DeltaThetaFuncNmaxC14



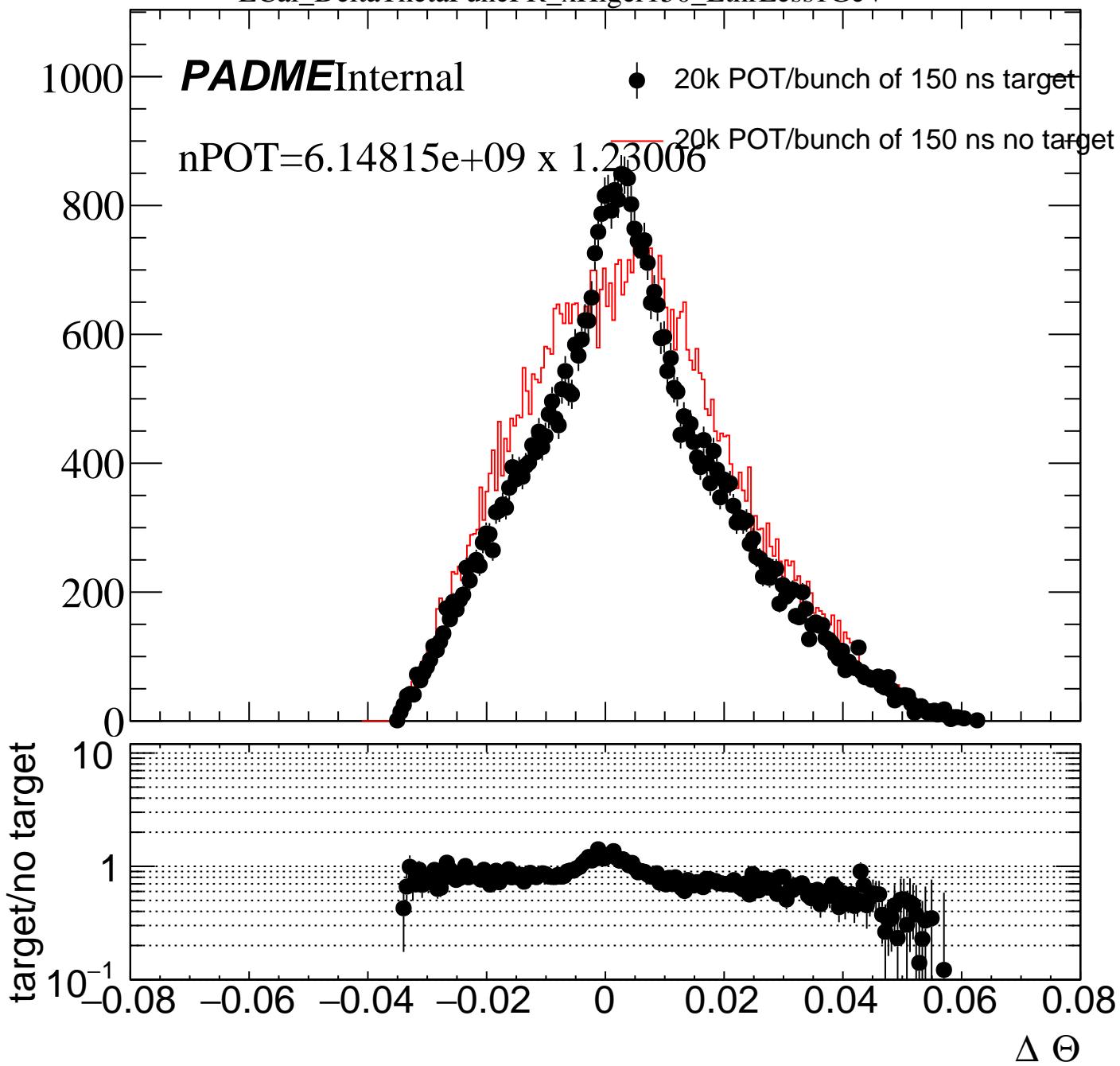
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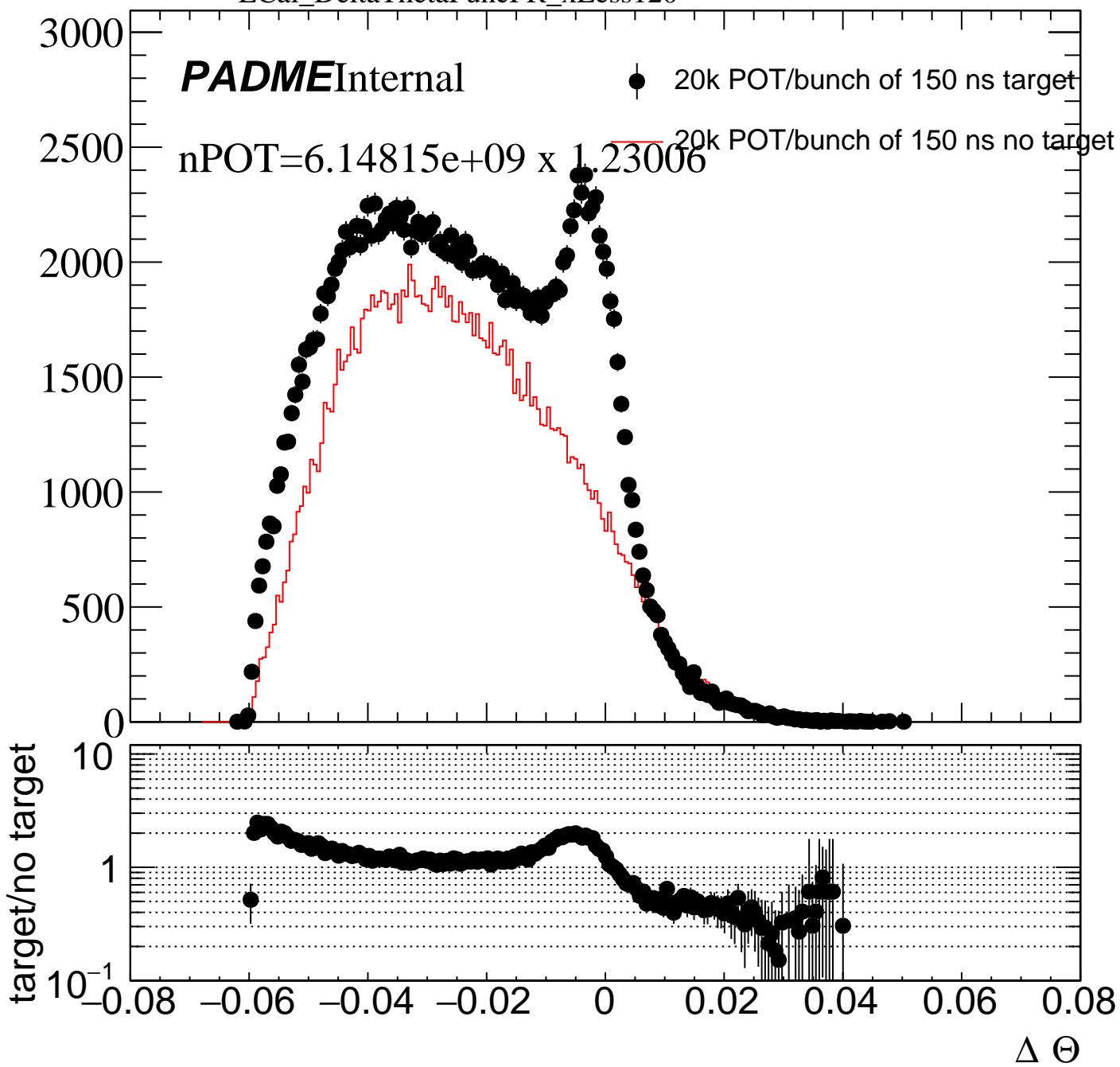
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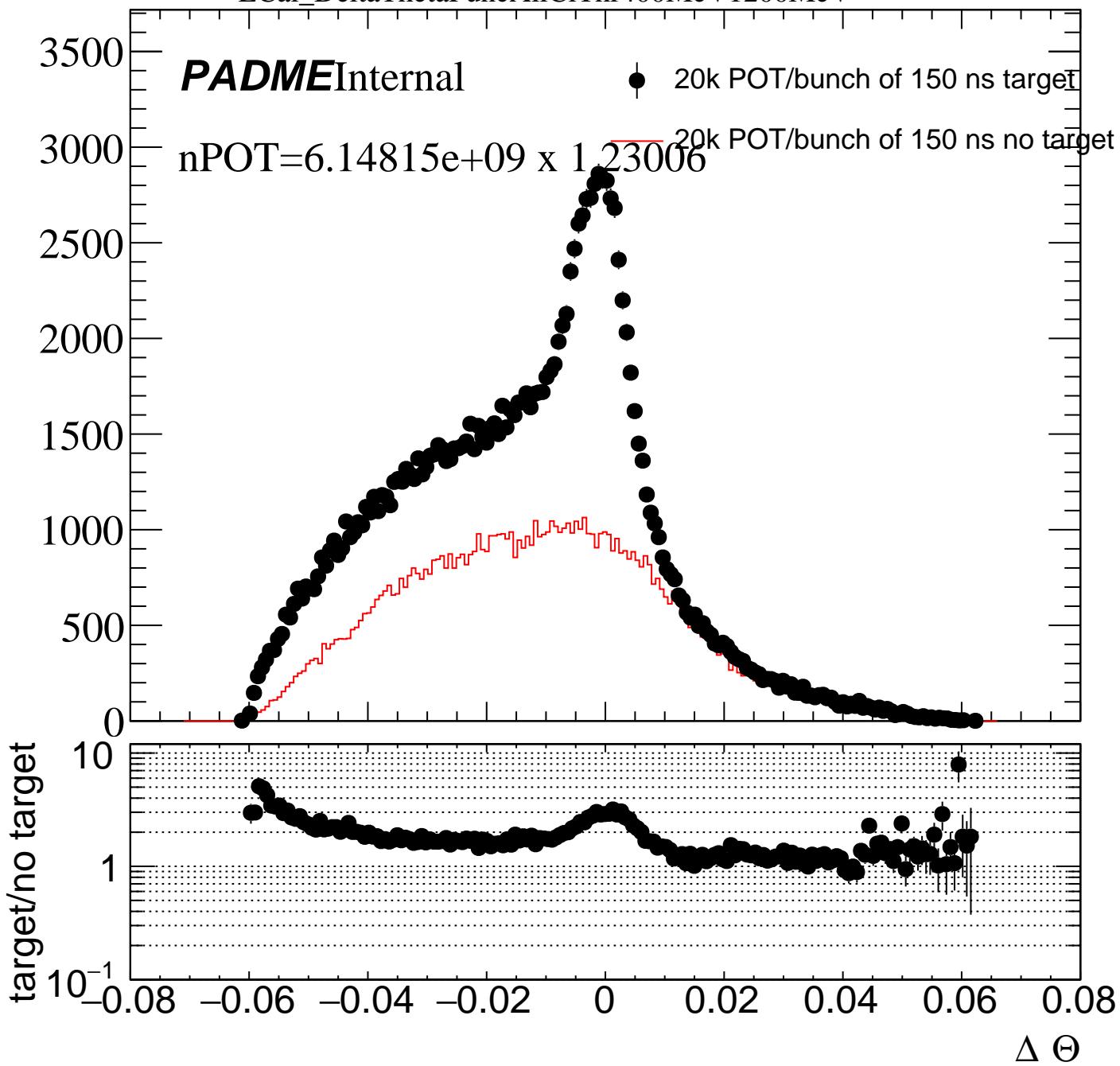
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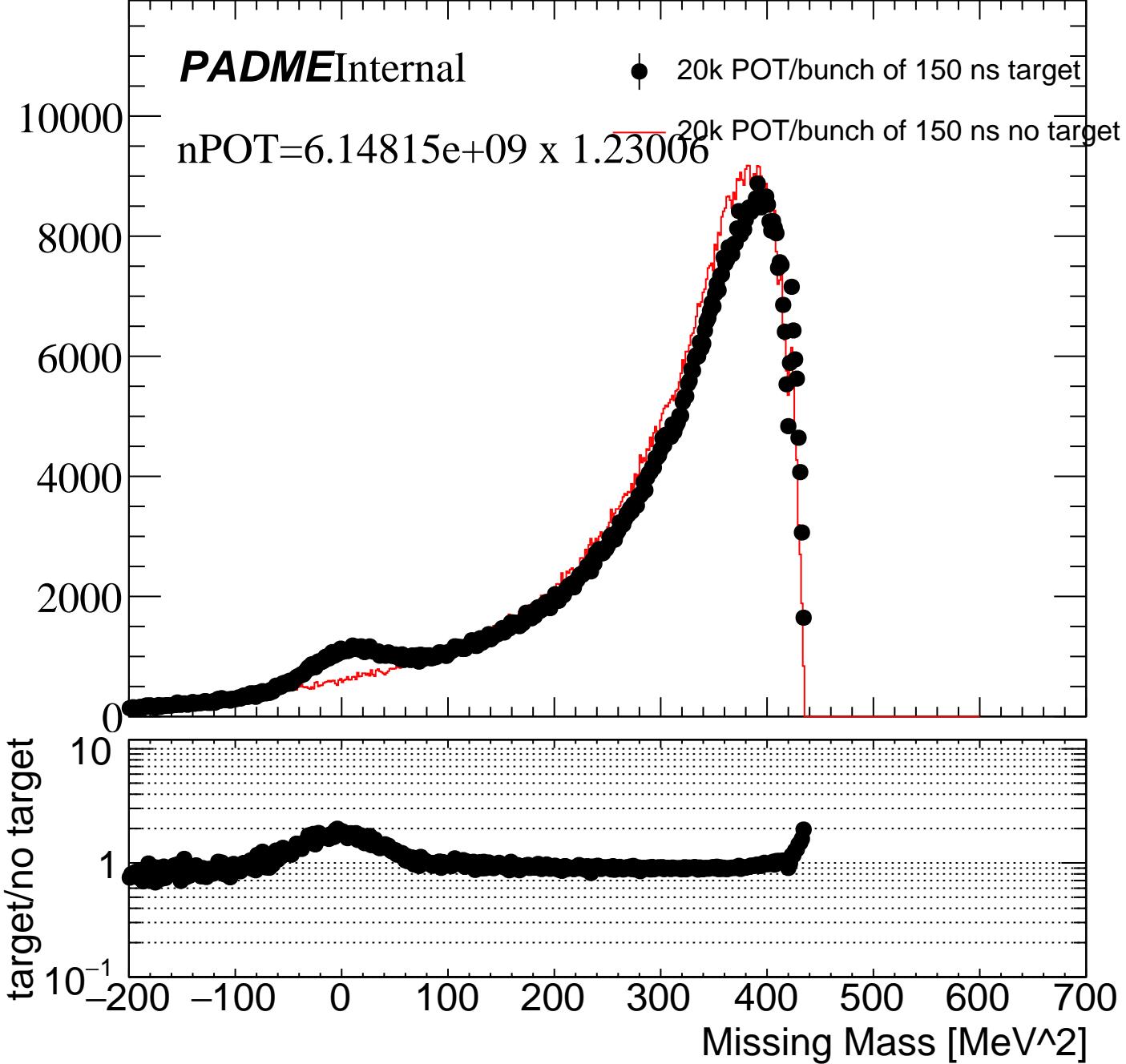
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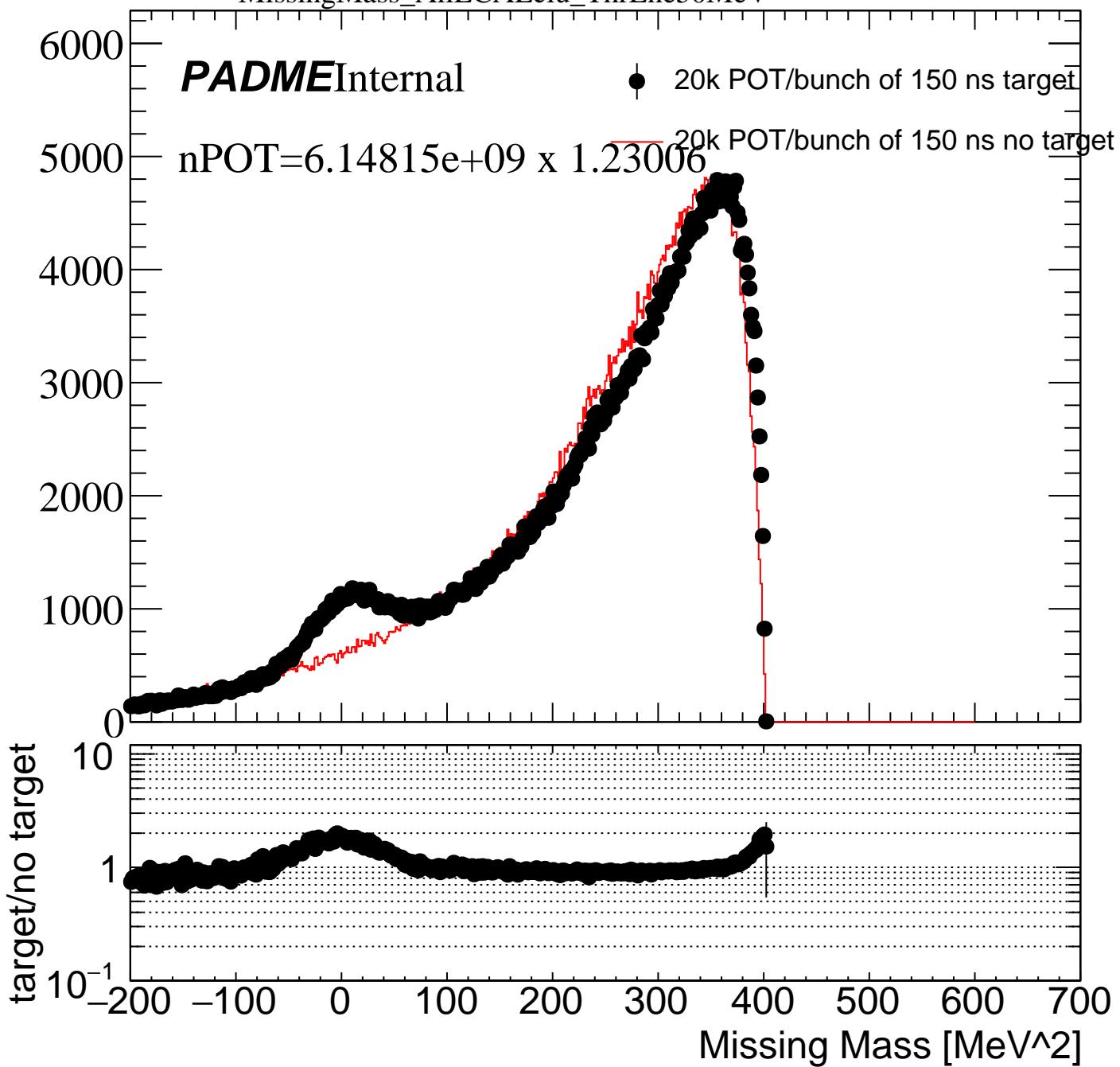
ECal_DeltaThetaFuncAllClThr400MeV1200MeV



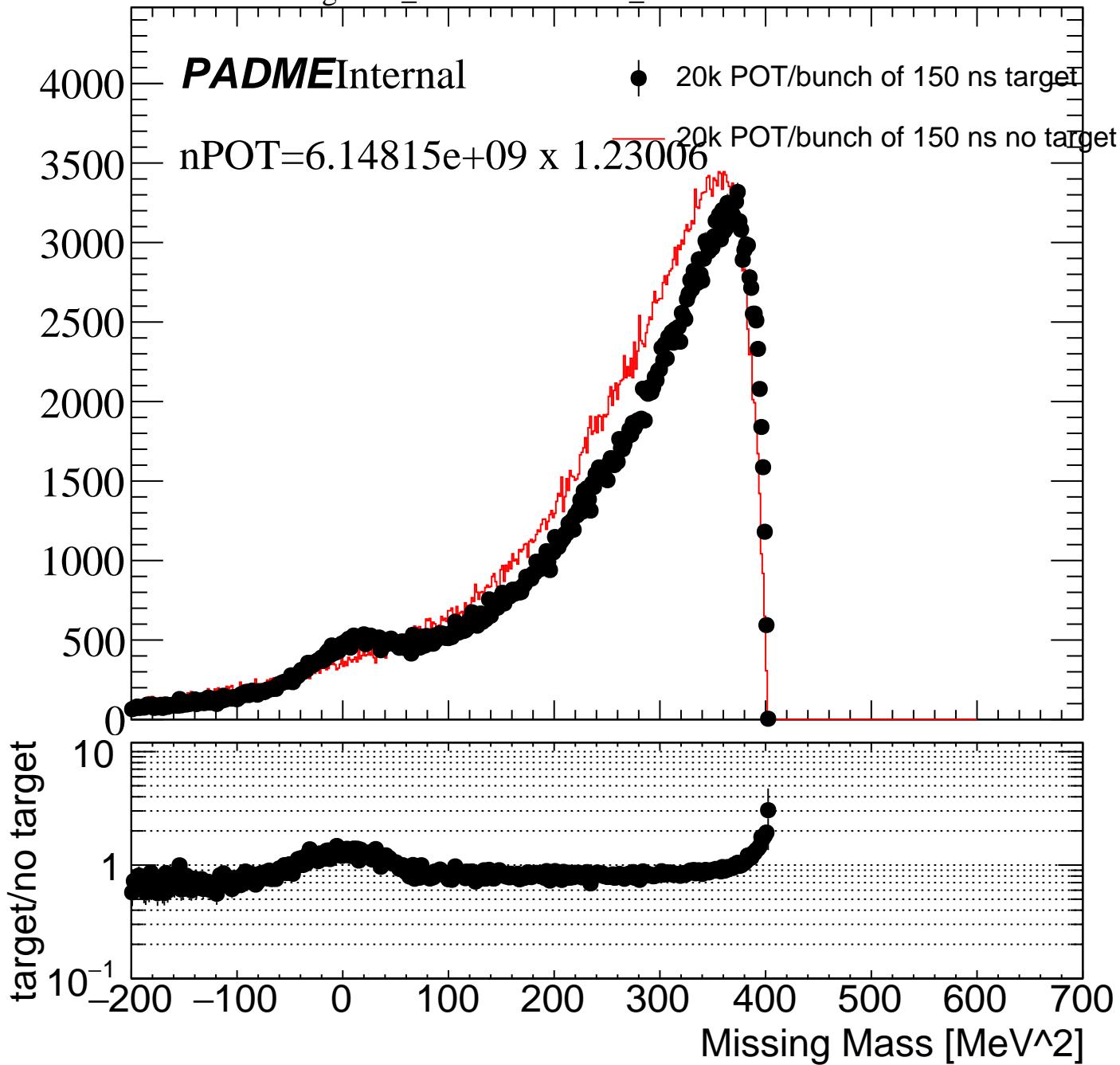
MissingMass_AllECALclu



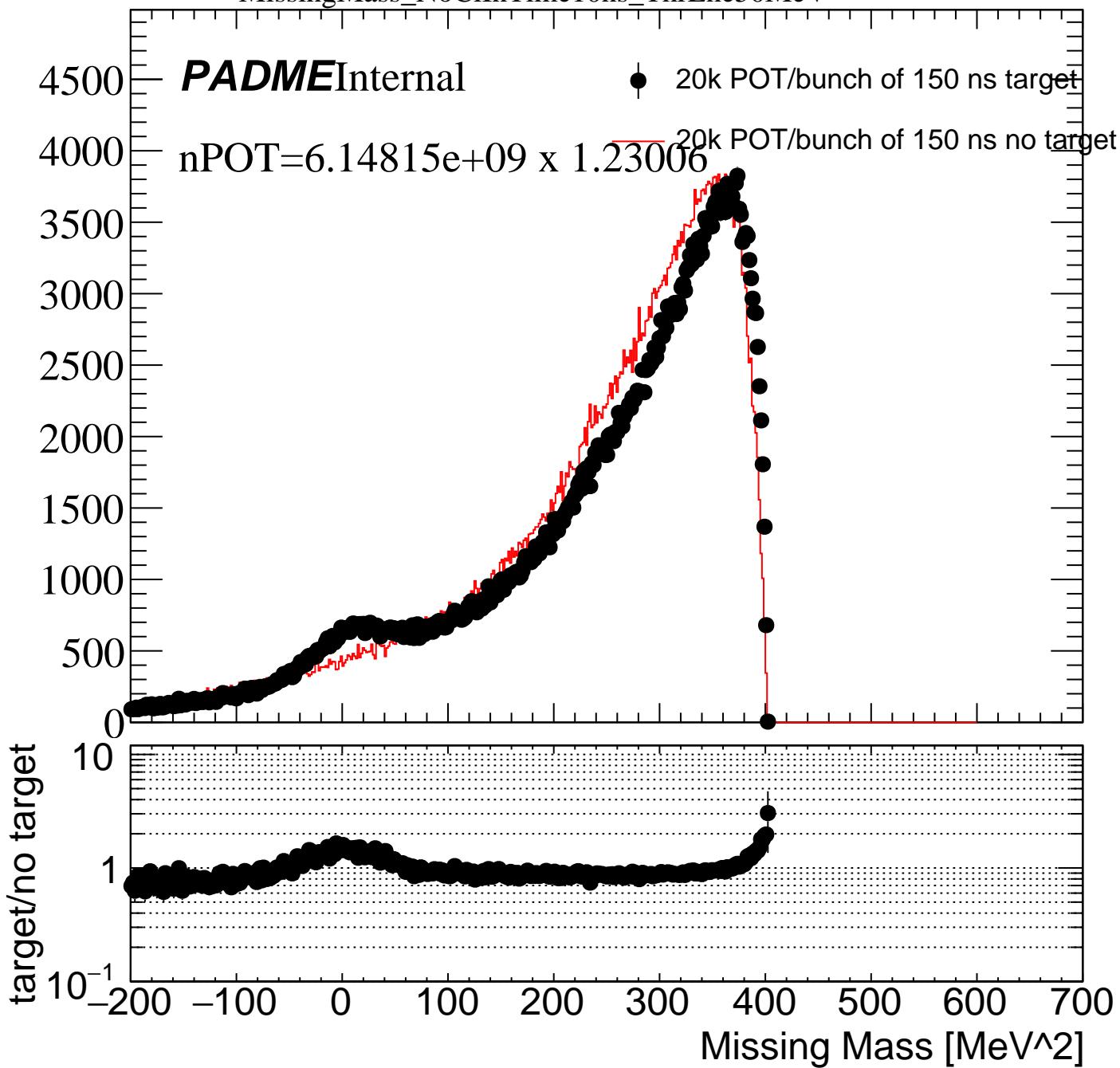
MissingMass_AllECALclu_ThrEne50MeV



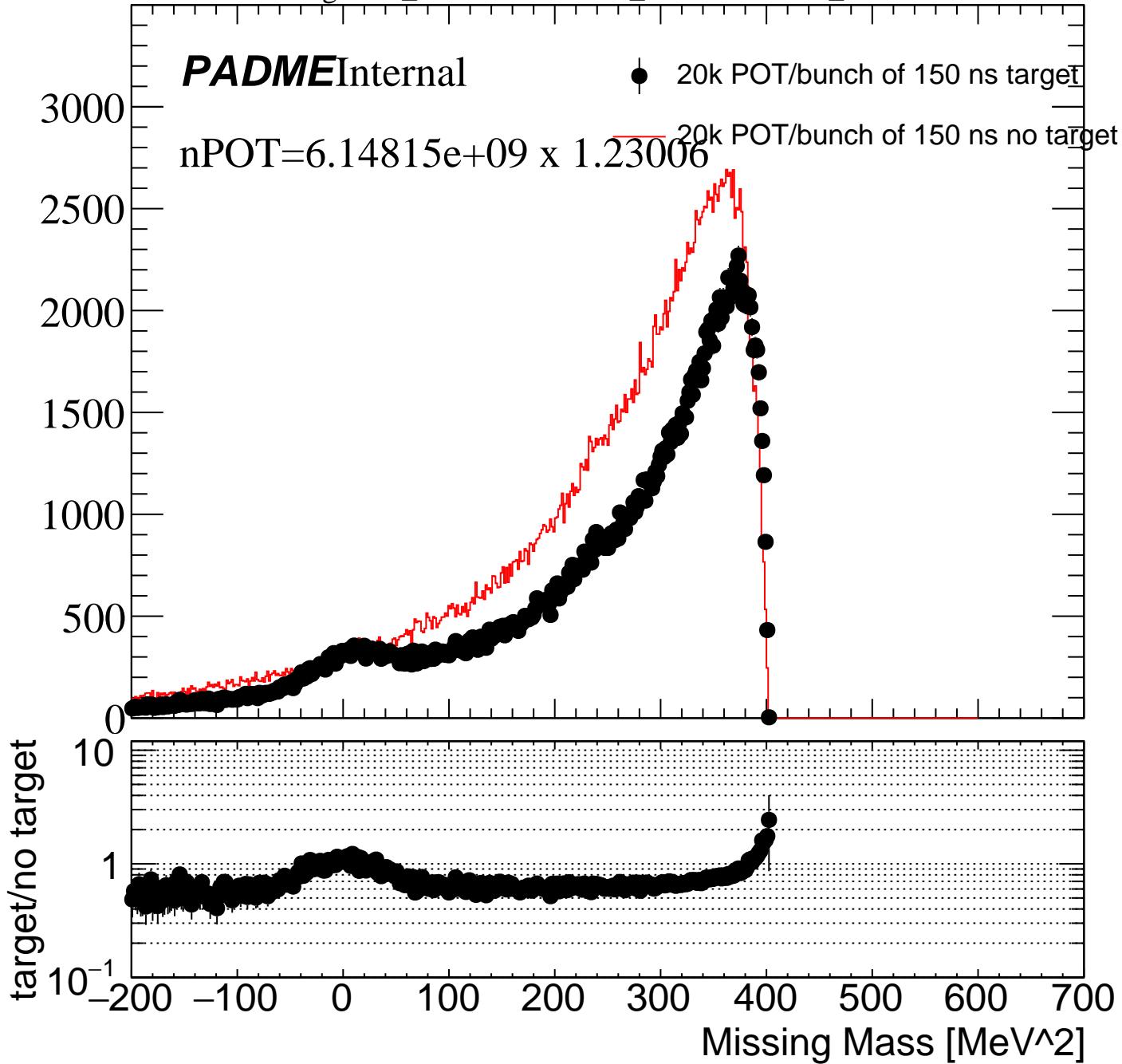
MissingMass_NoClInTime20ns_ThrEne50MeV

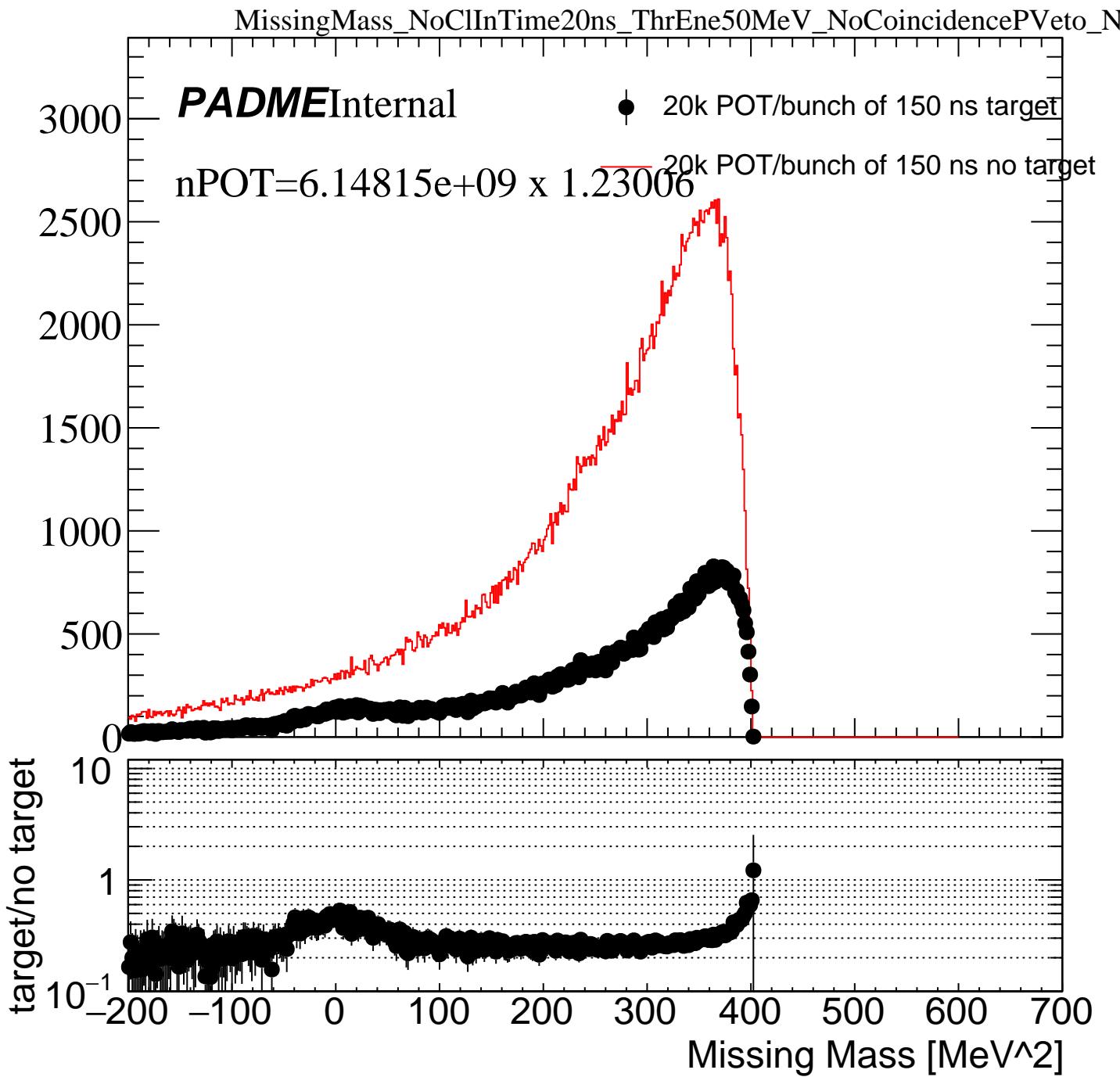


MissingMass_NoClInTime10ns_ThrEne50MeV

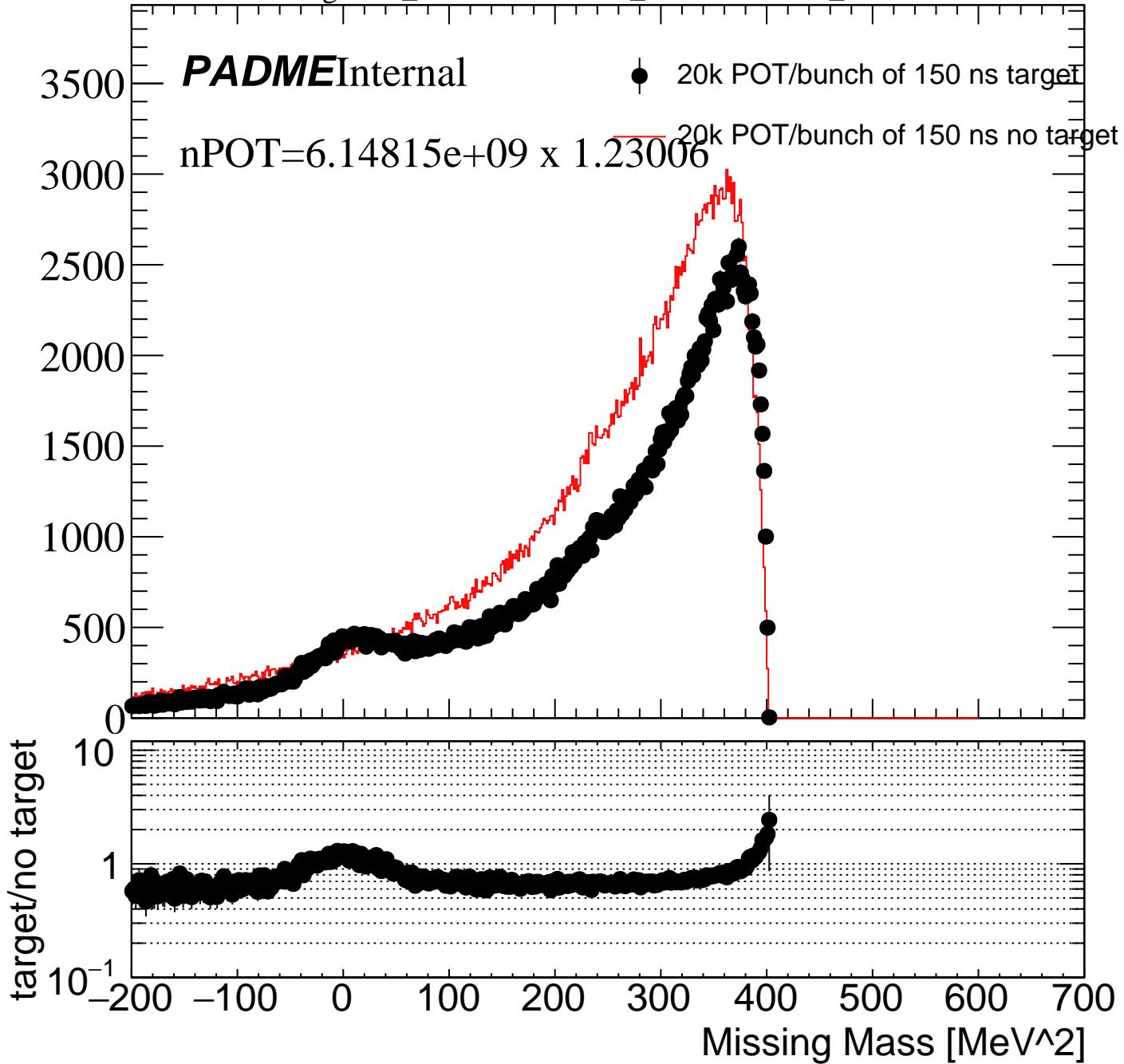


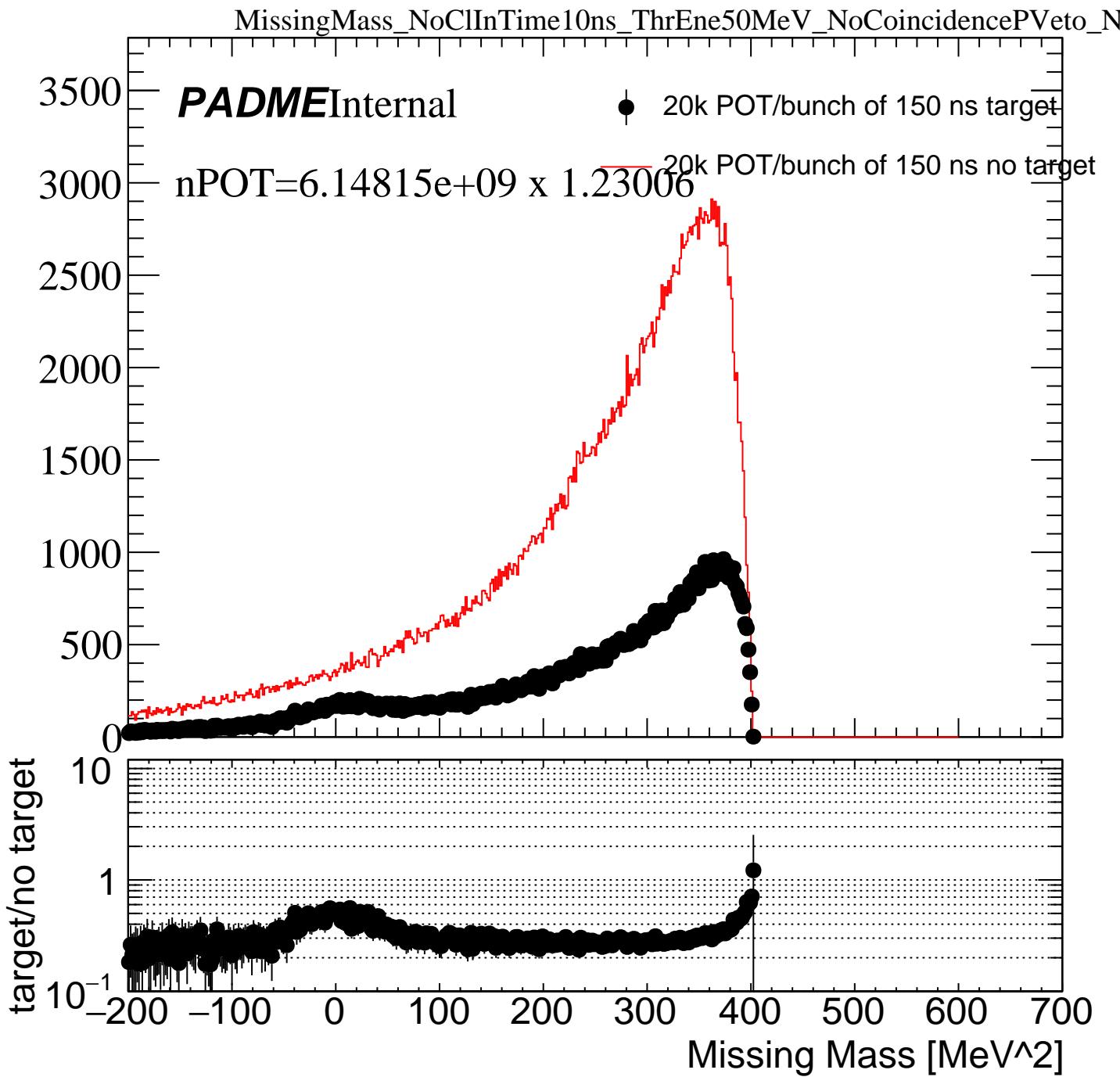
MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto



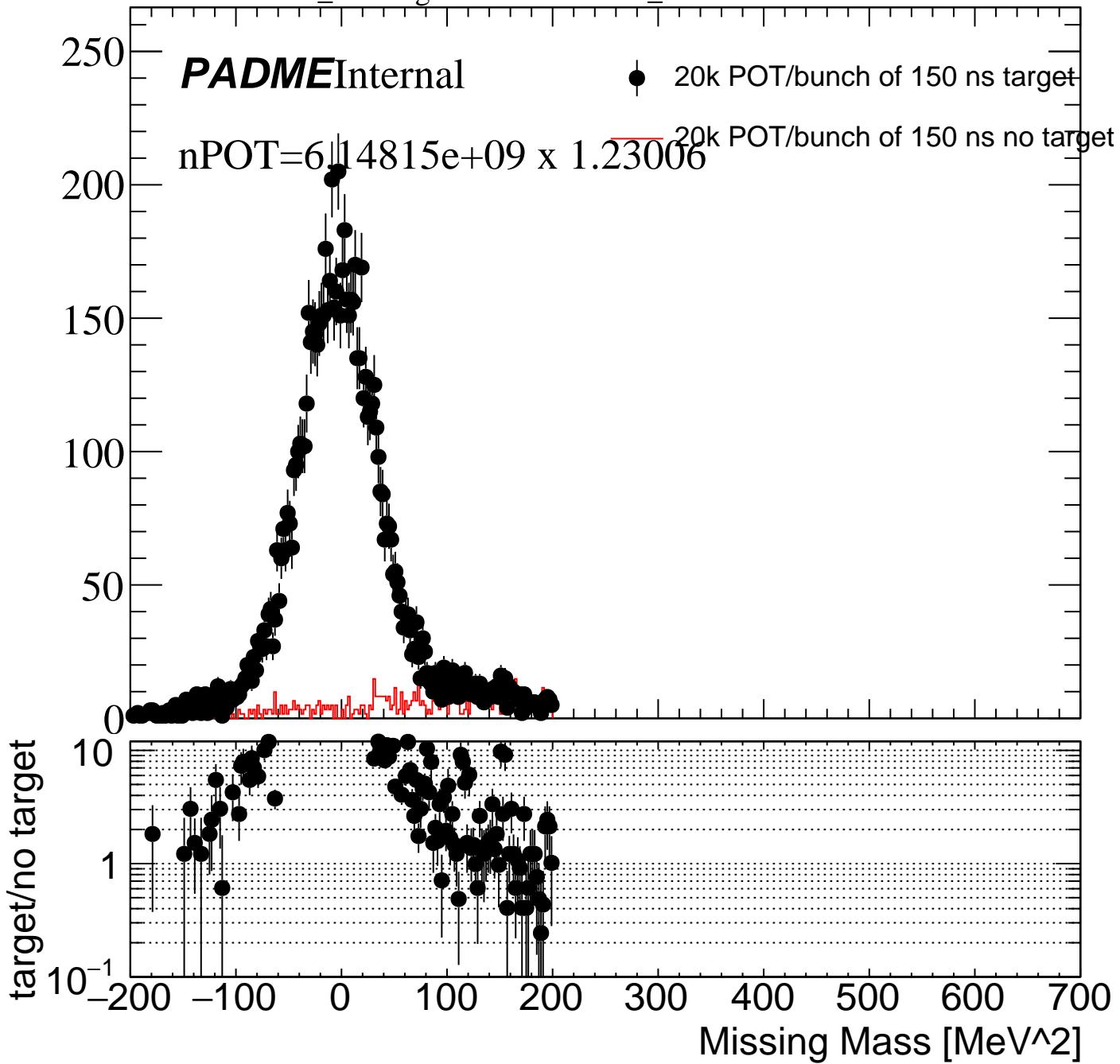


MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto





ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90



ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90

