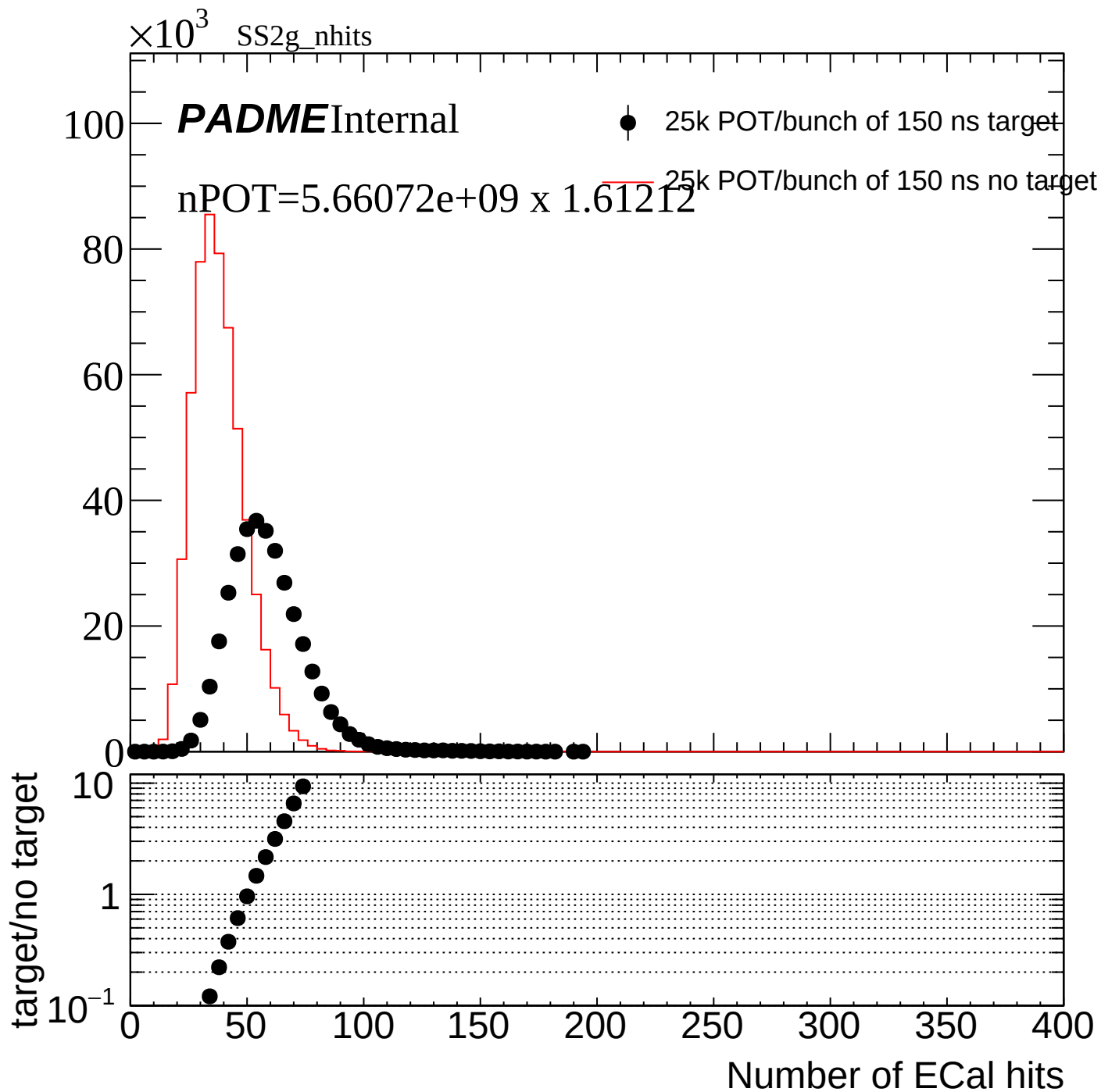
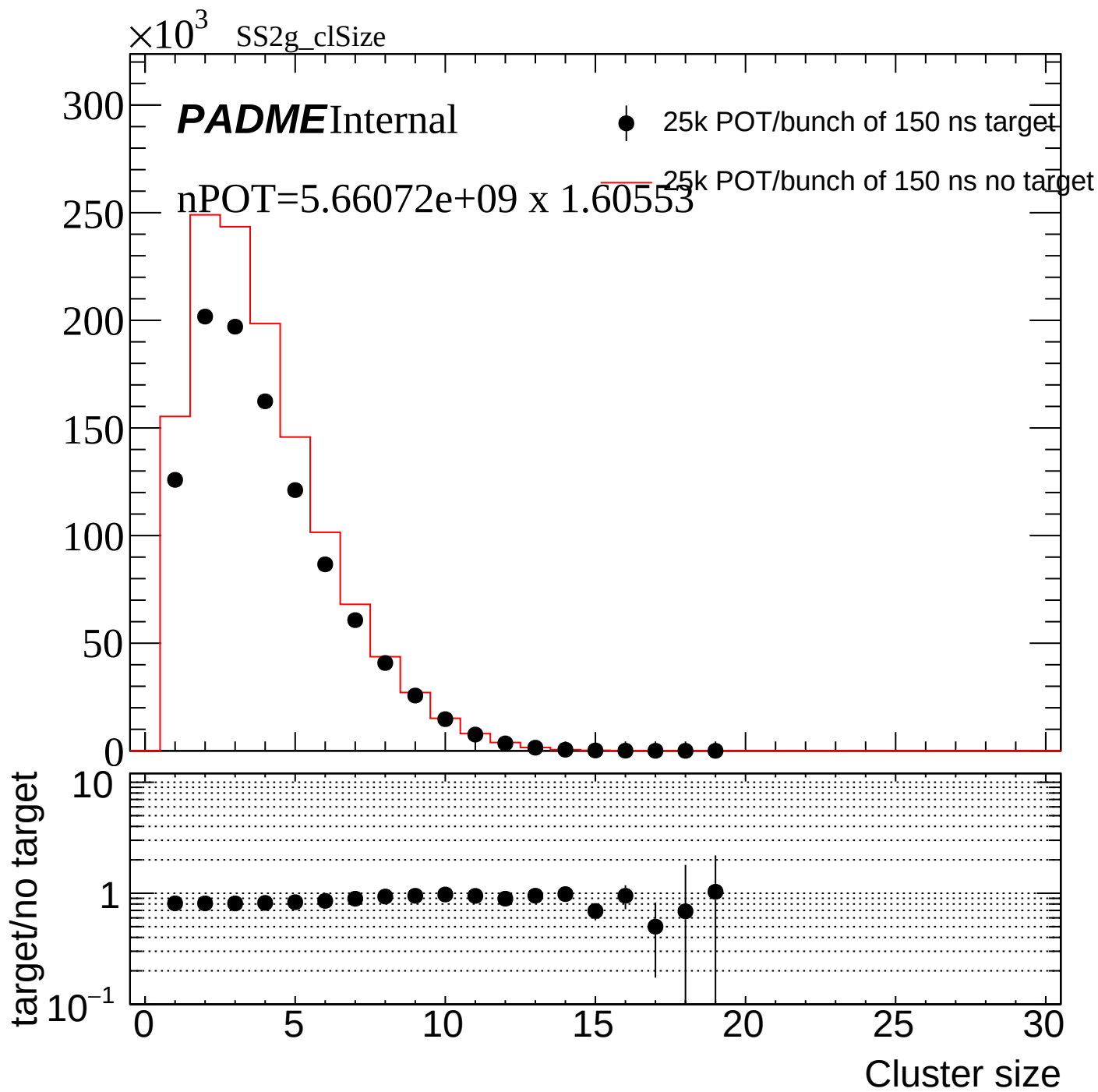
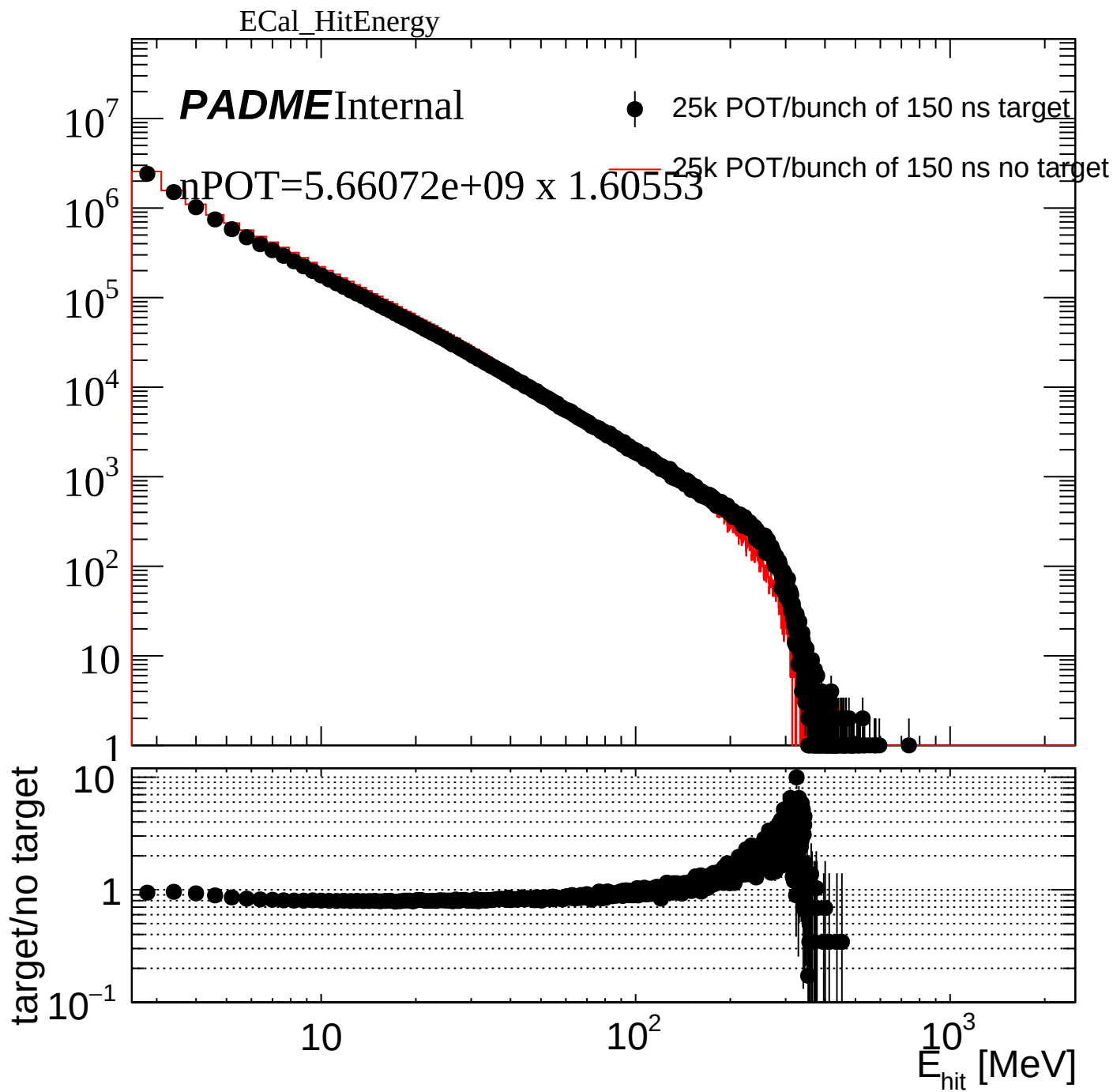
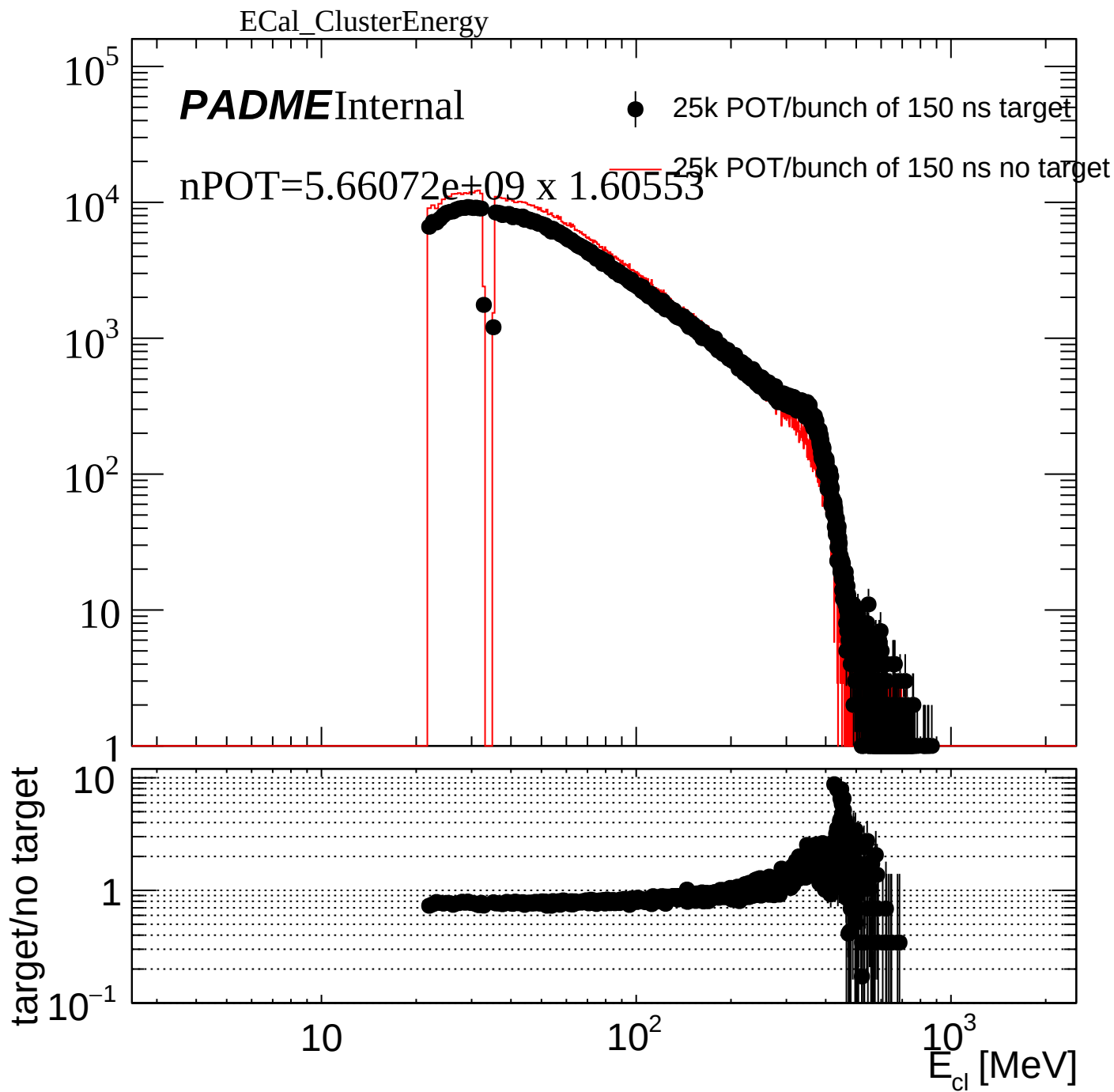
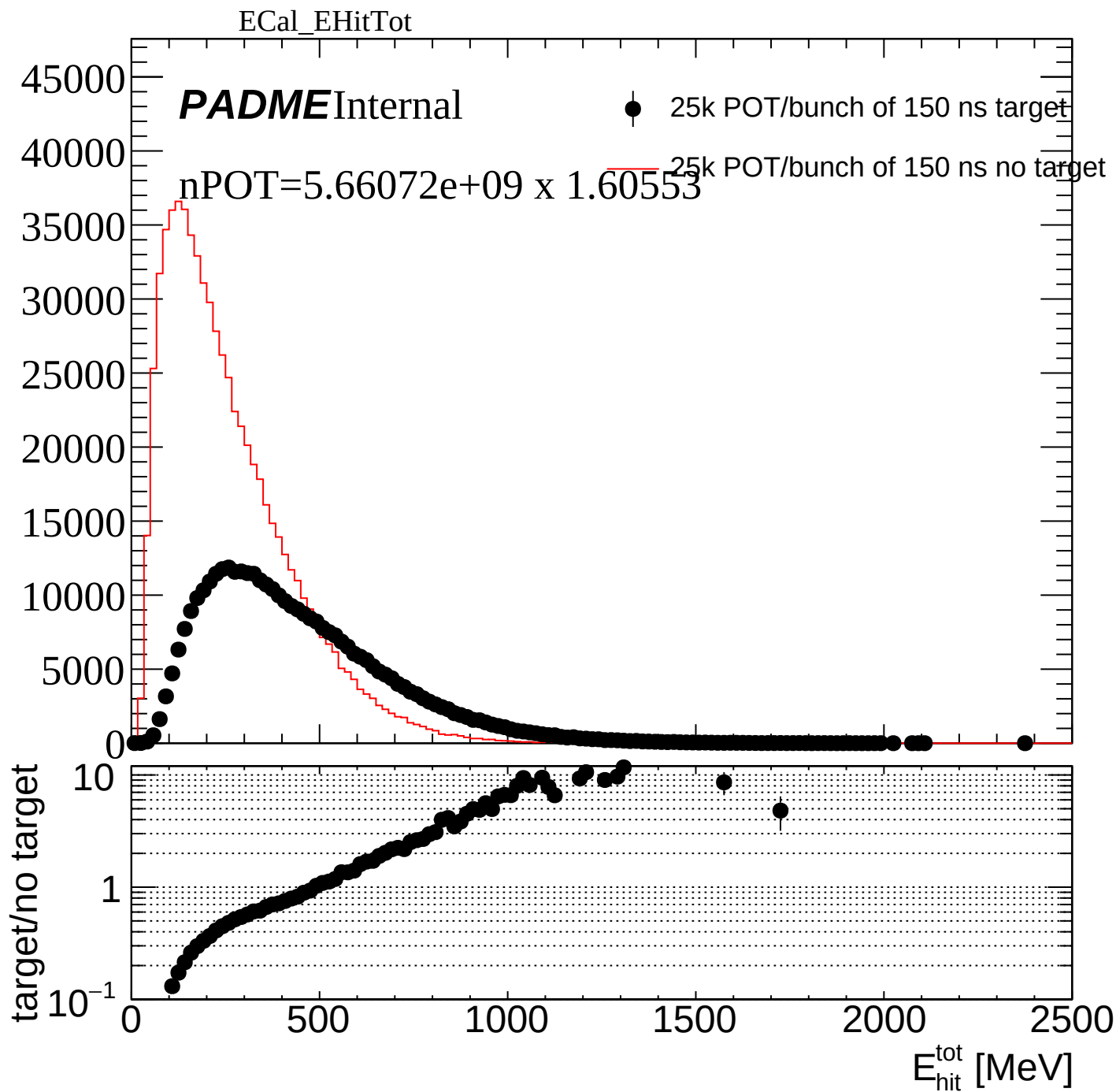


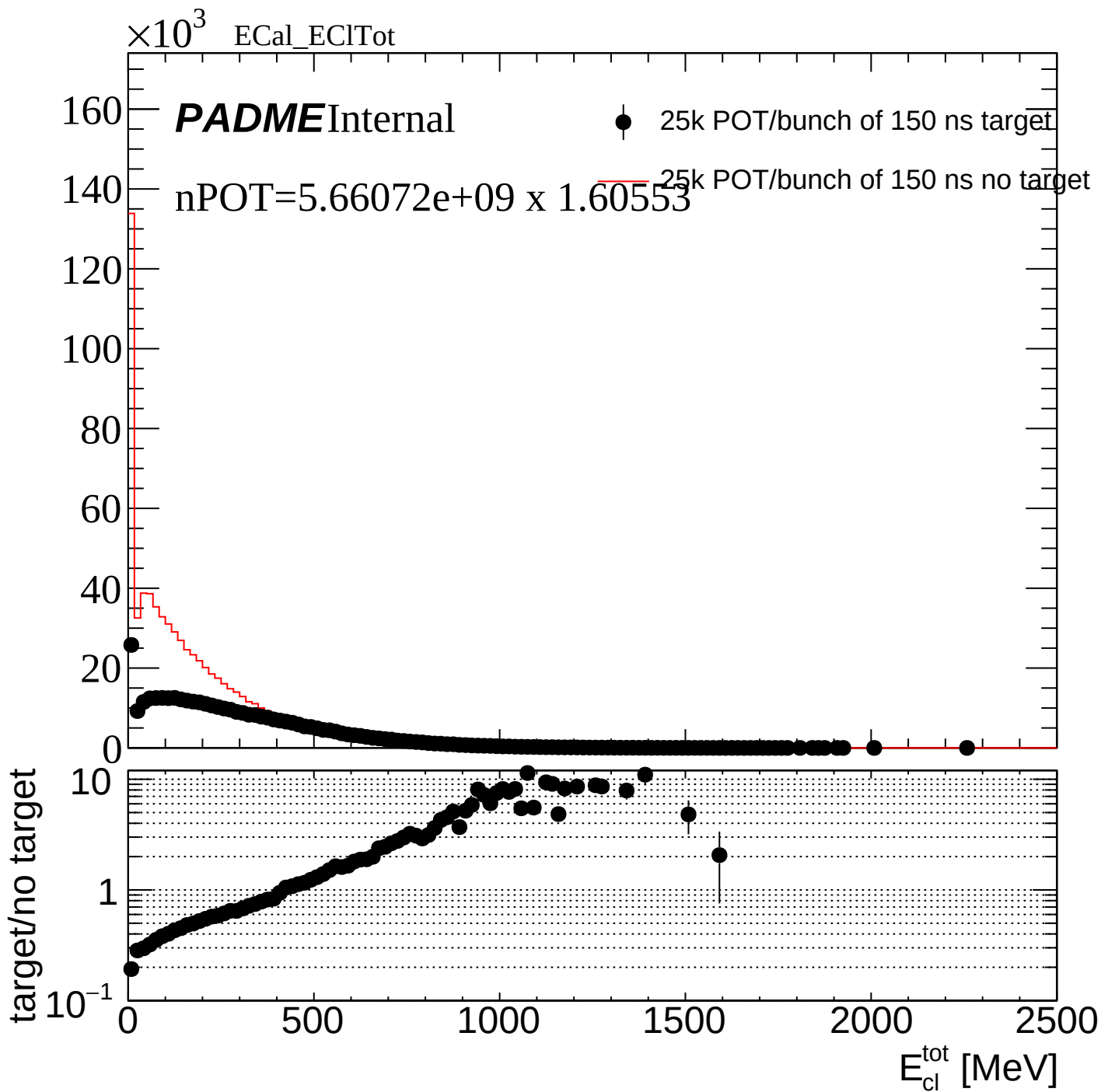


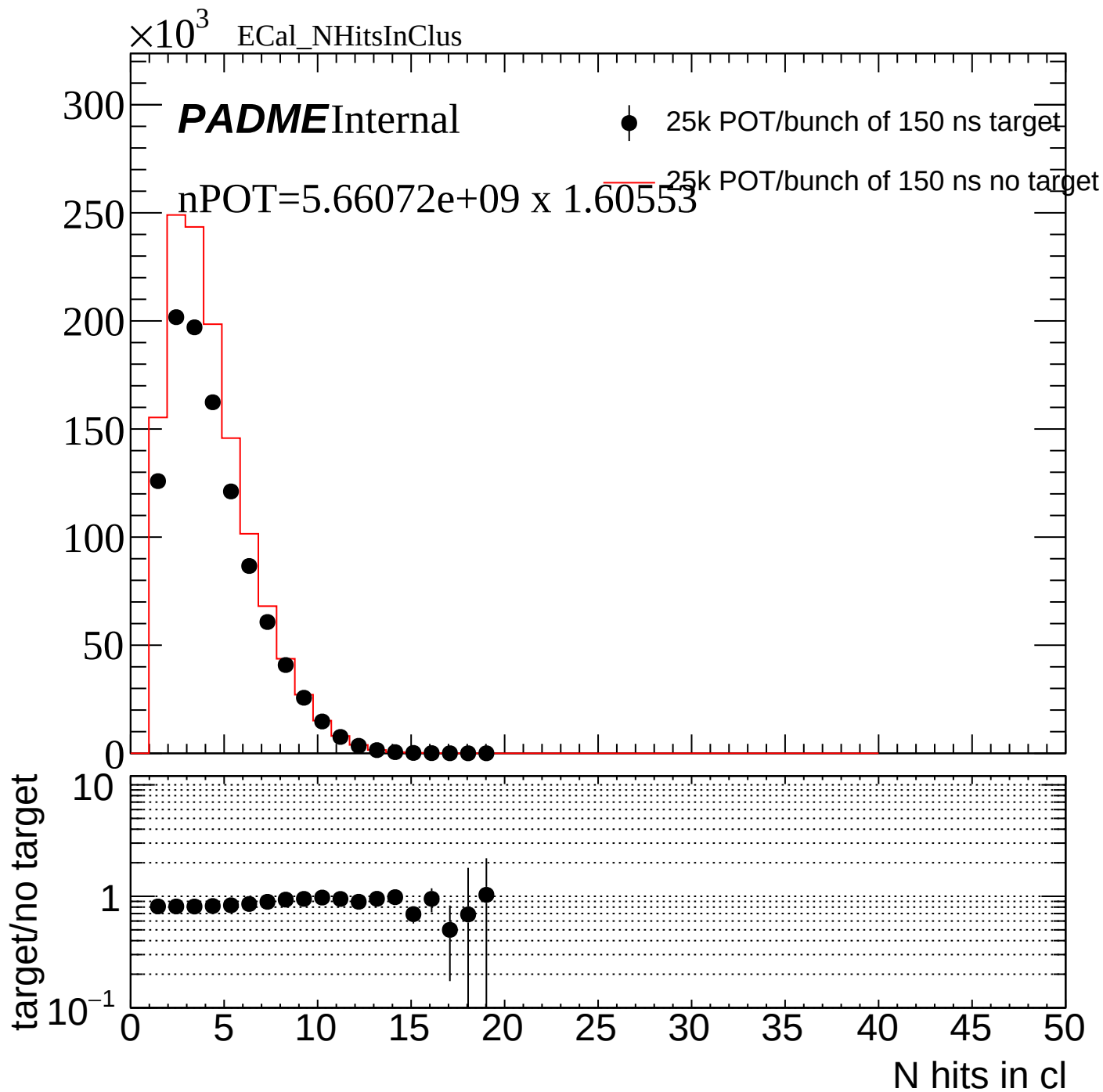


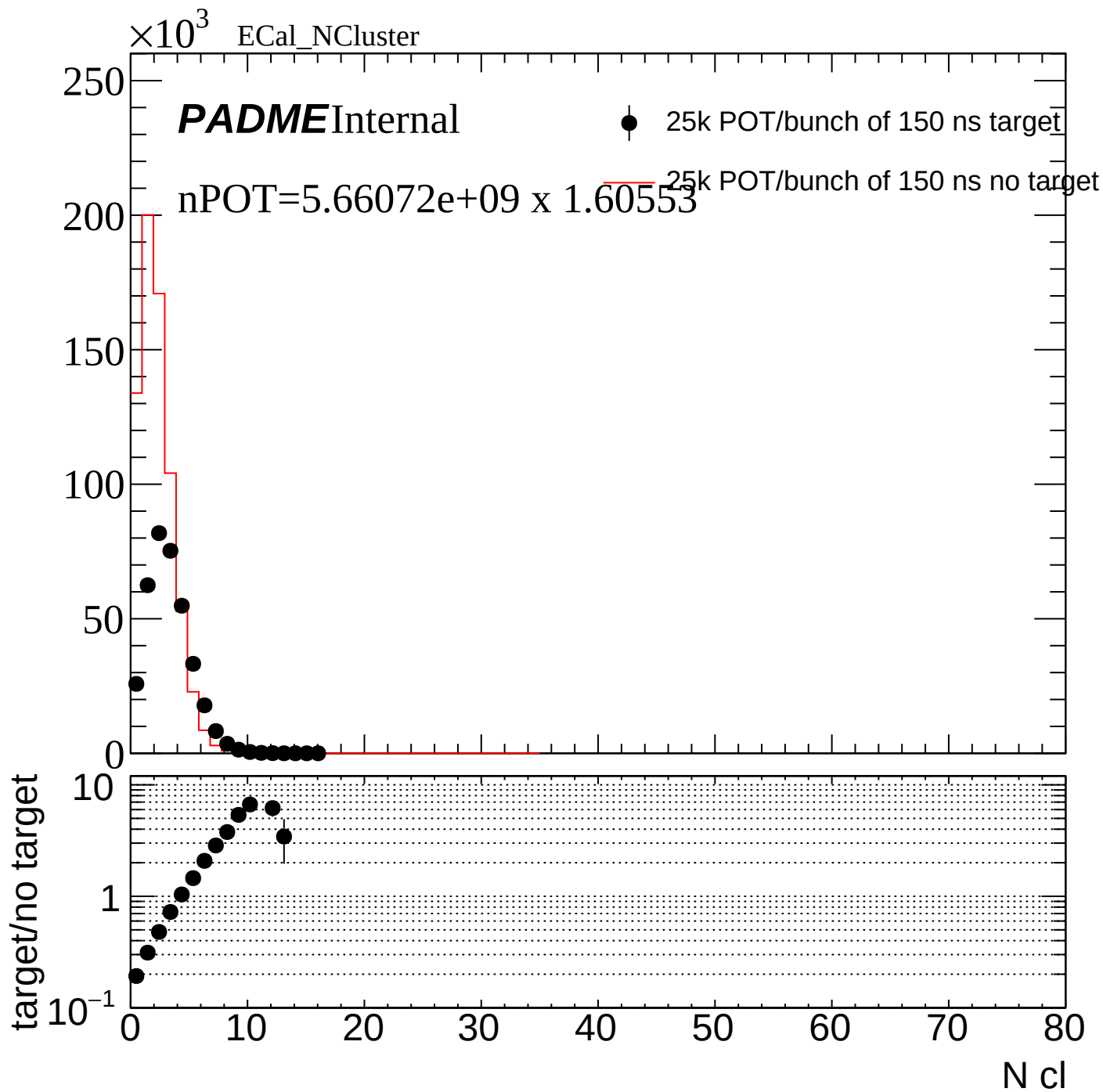




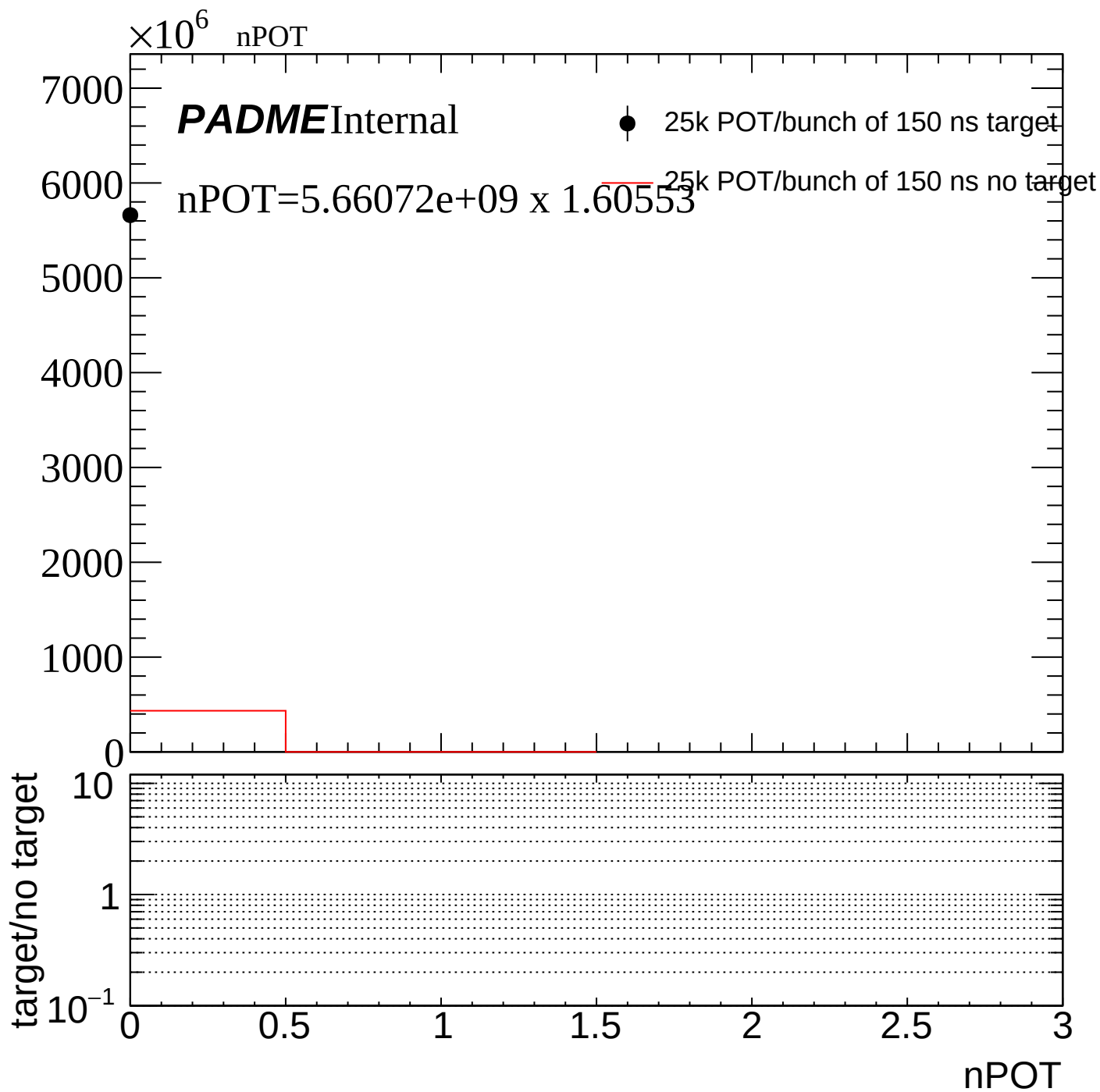


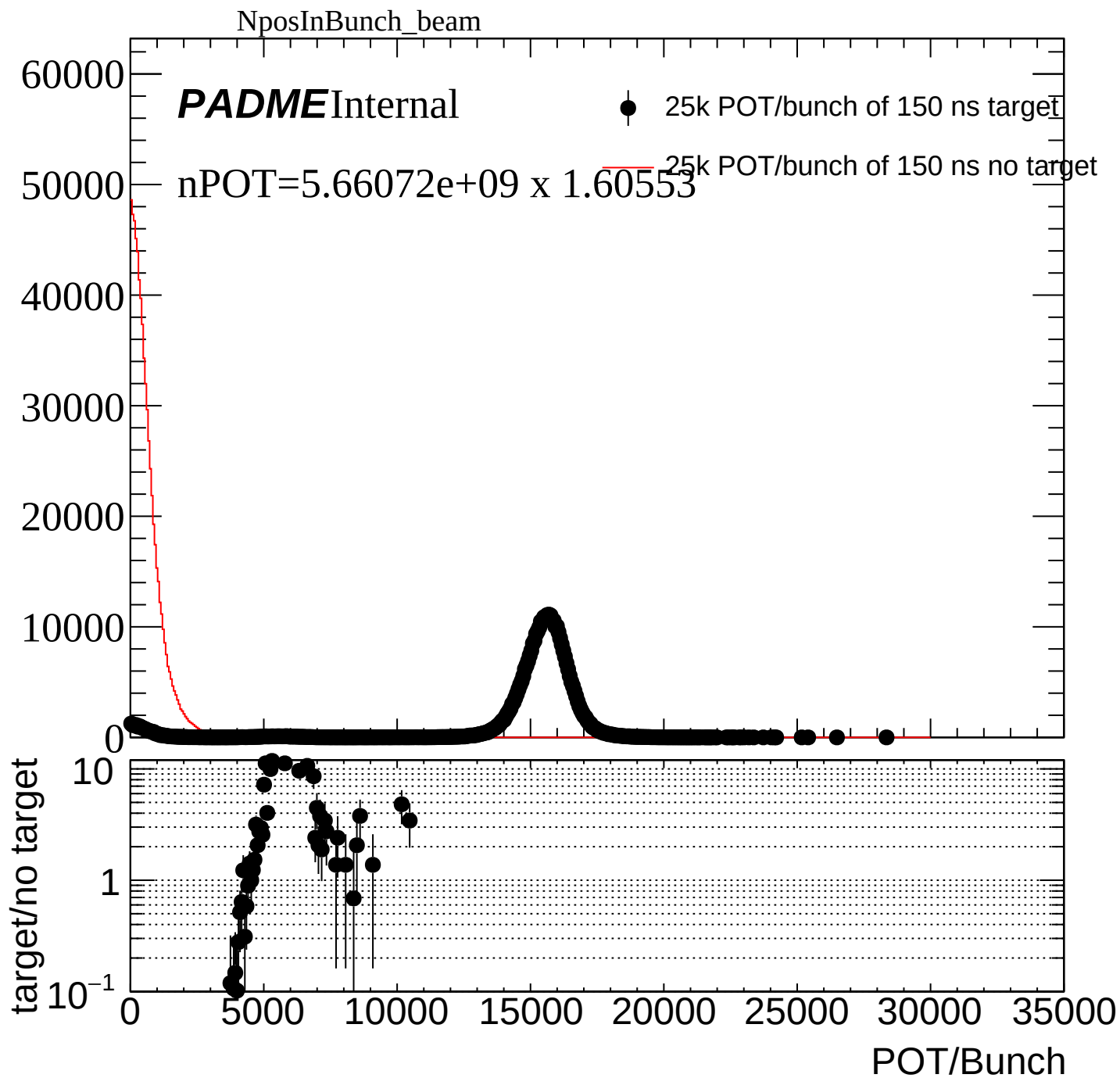












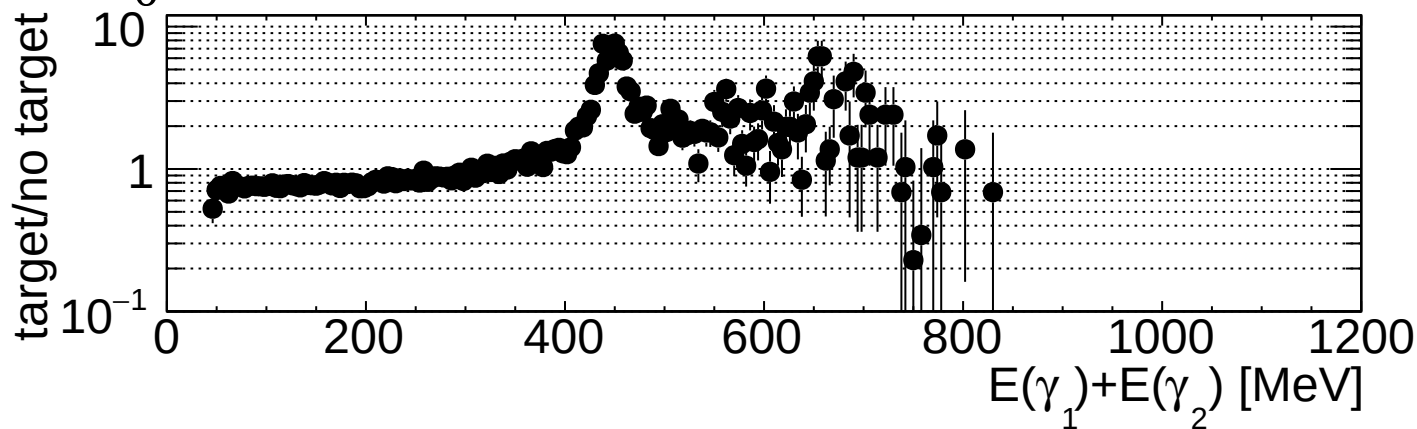
ECAL\_twoPhotonInTime10ns

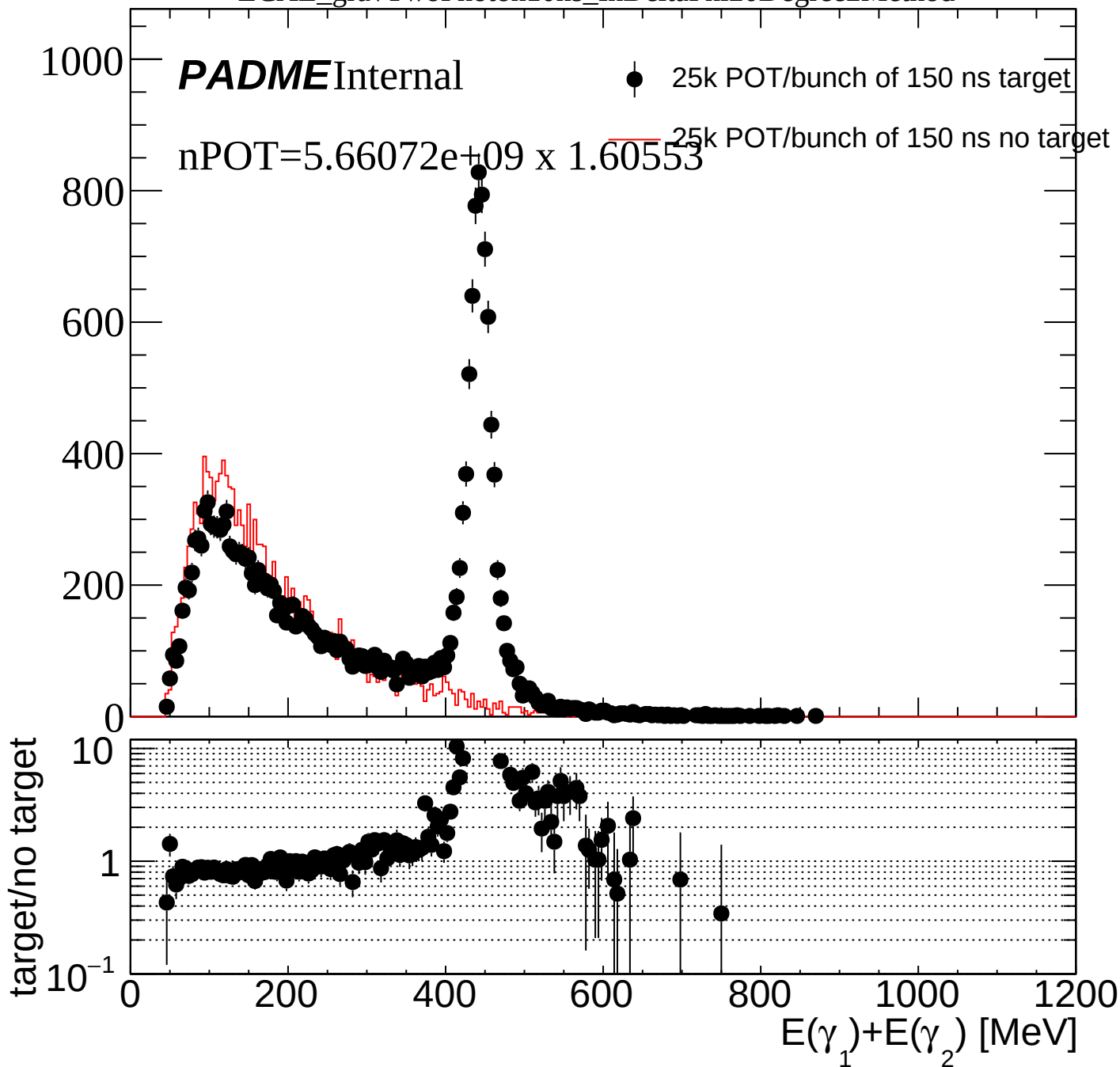
***PADME***Internal

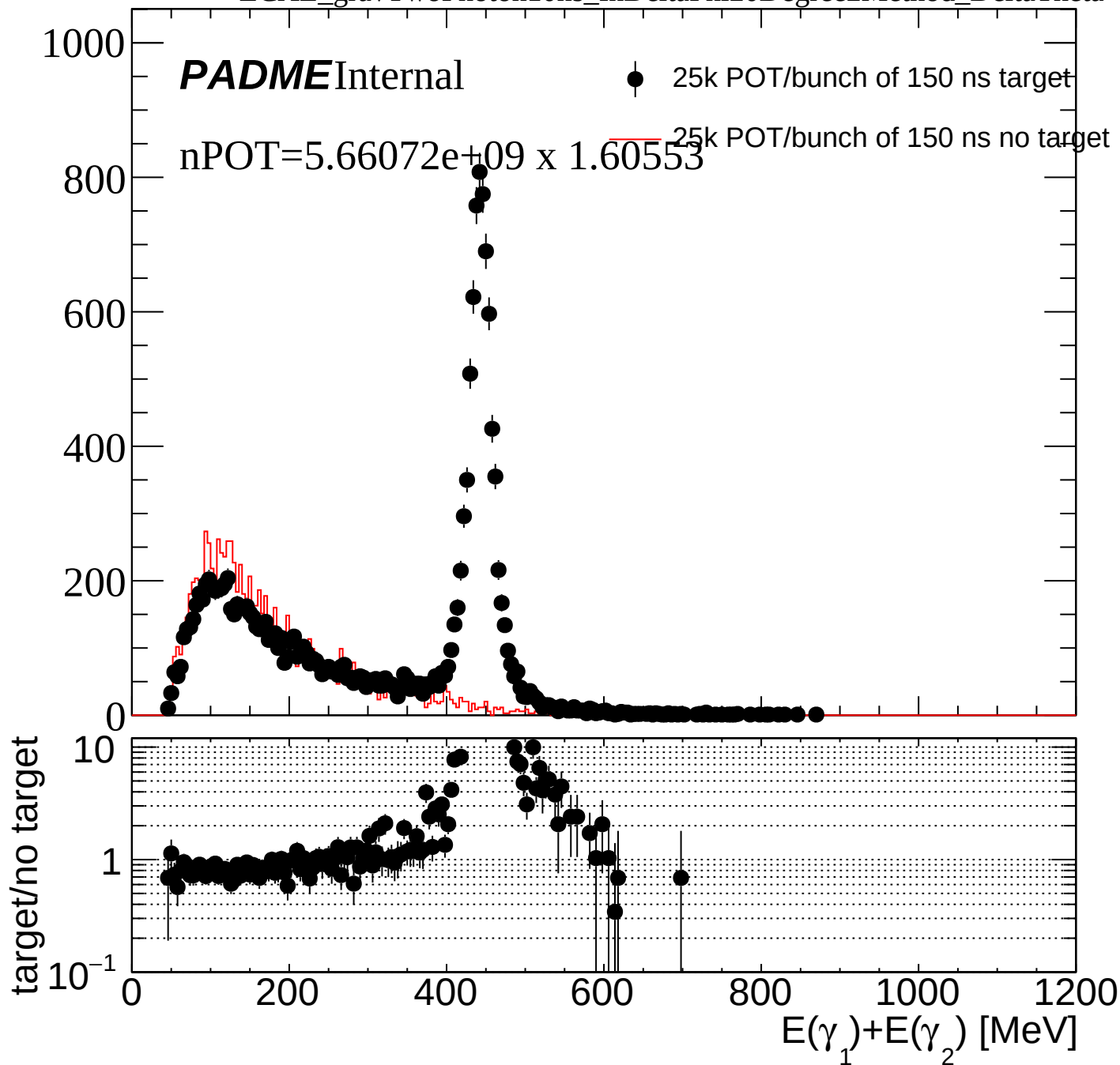
● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

nPOT=5.66072e+09 x 1.60553







ECAL\_gravTwoPhoton10ns1cm

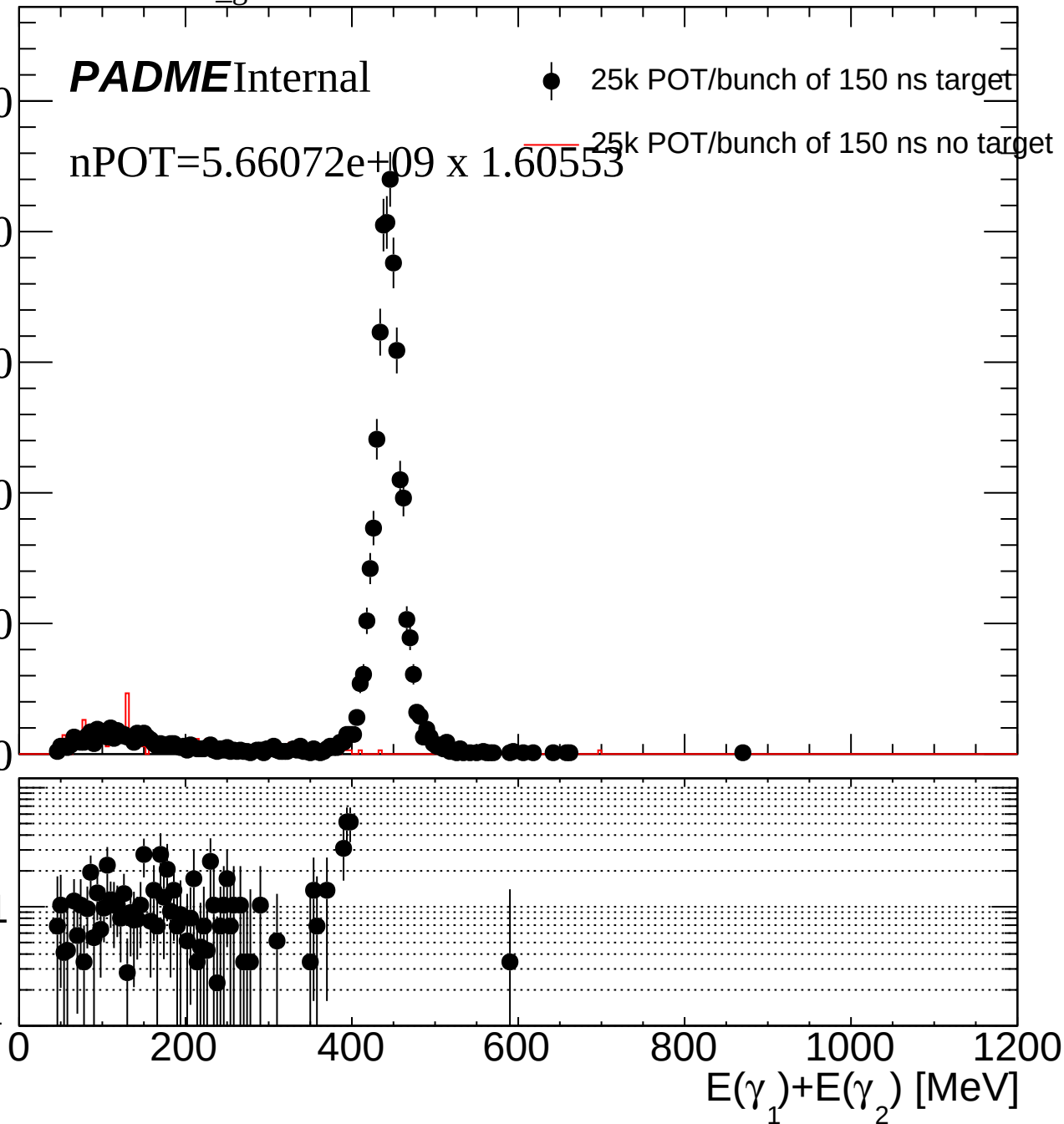
***PADME*** Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

target/no target



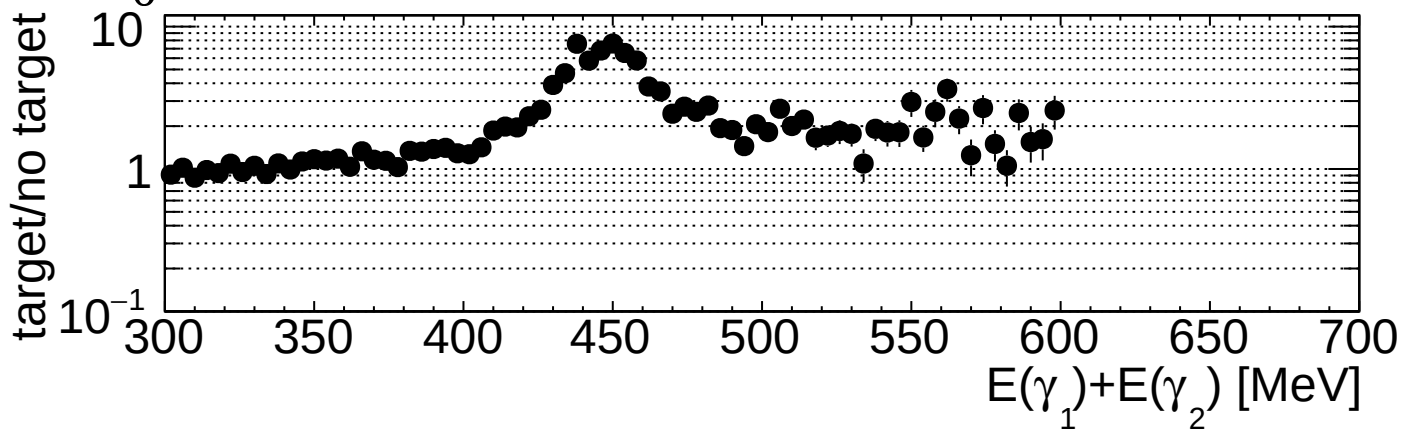
ECAL\_twoPhotonInTime10nsUnderPeak

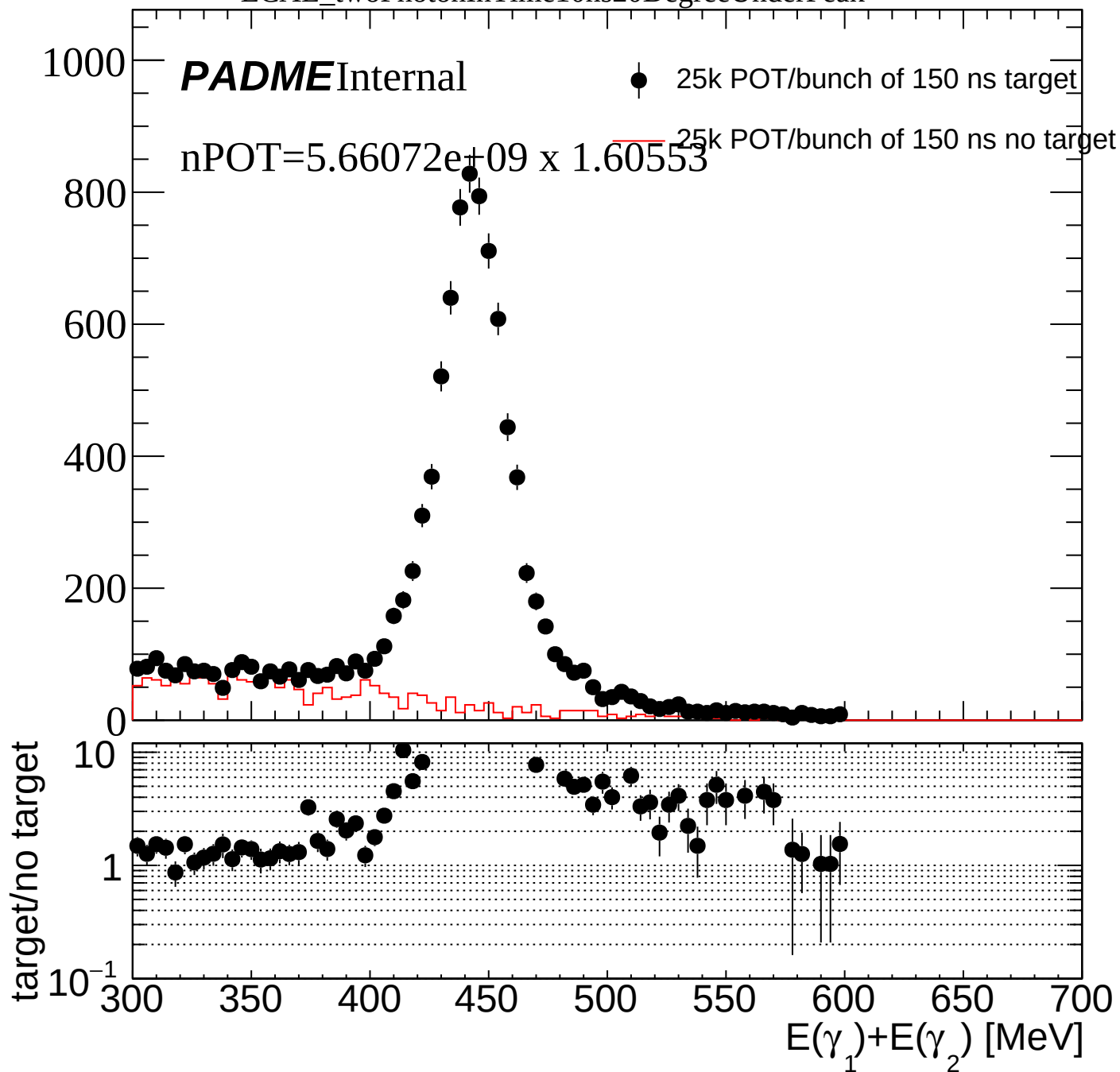
***PADME*** Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target







ECAL\_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak

***PADME*** Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

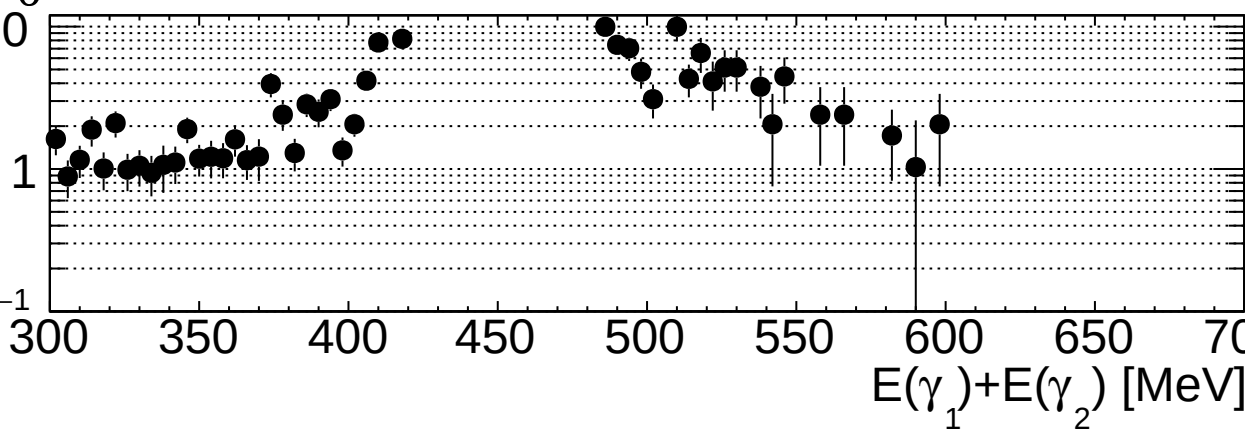
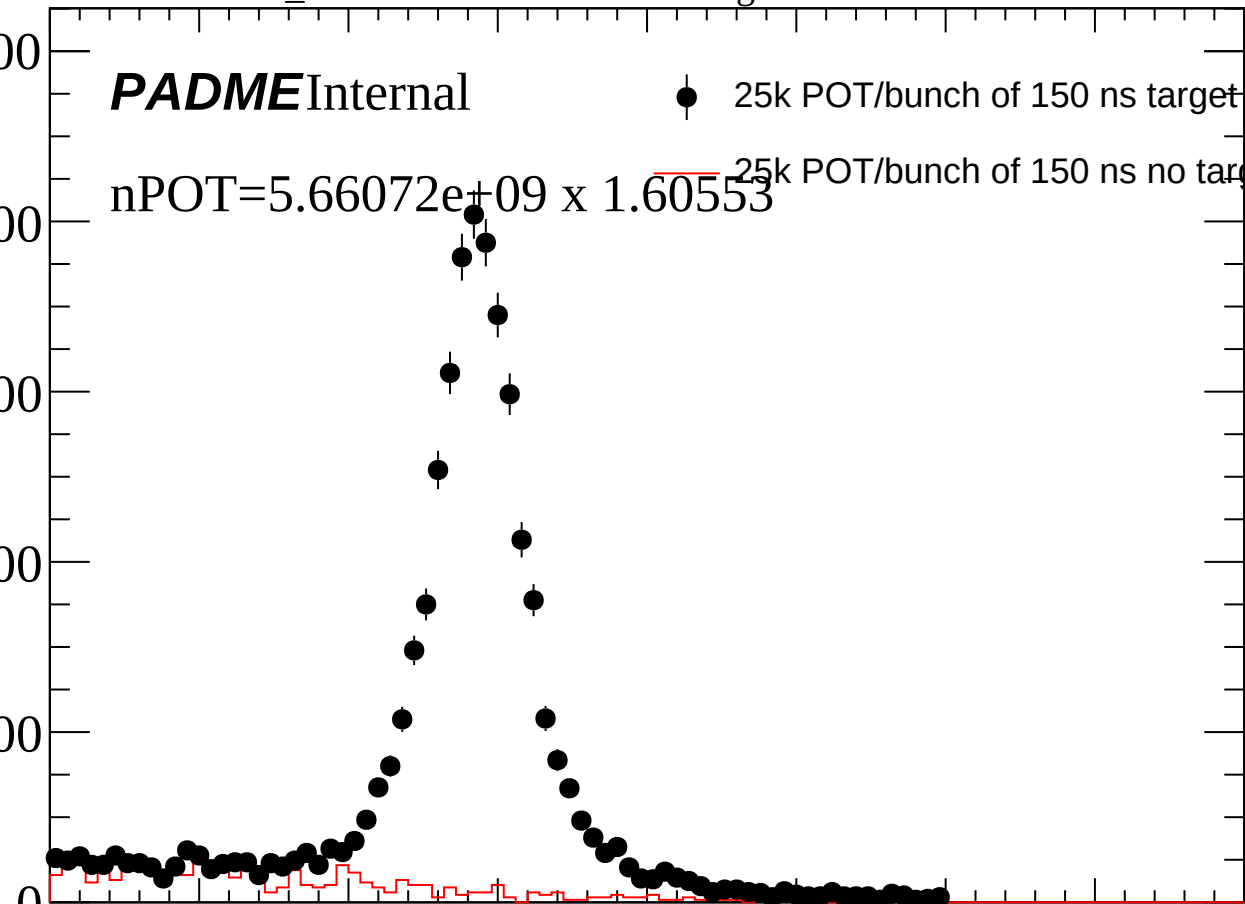
target/no target

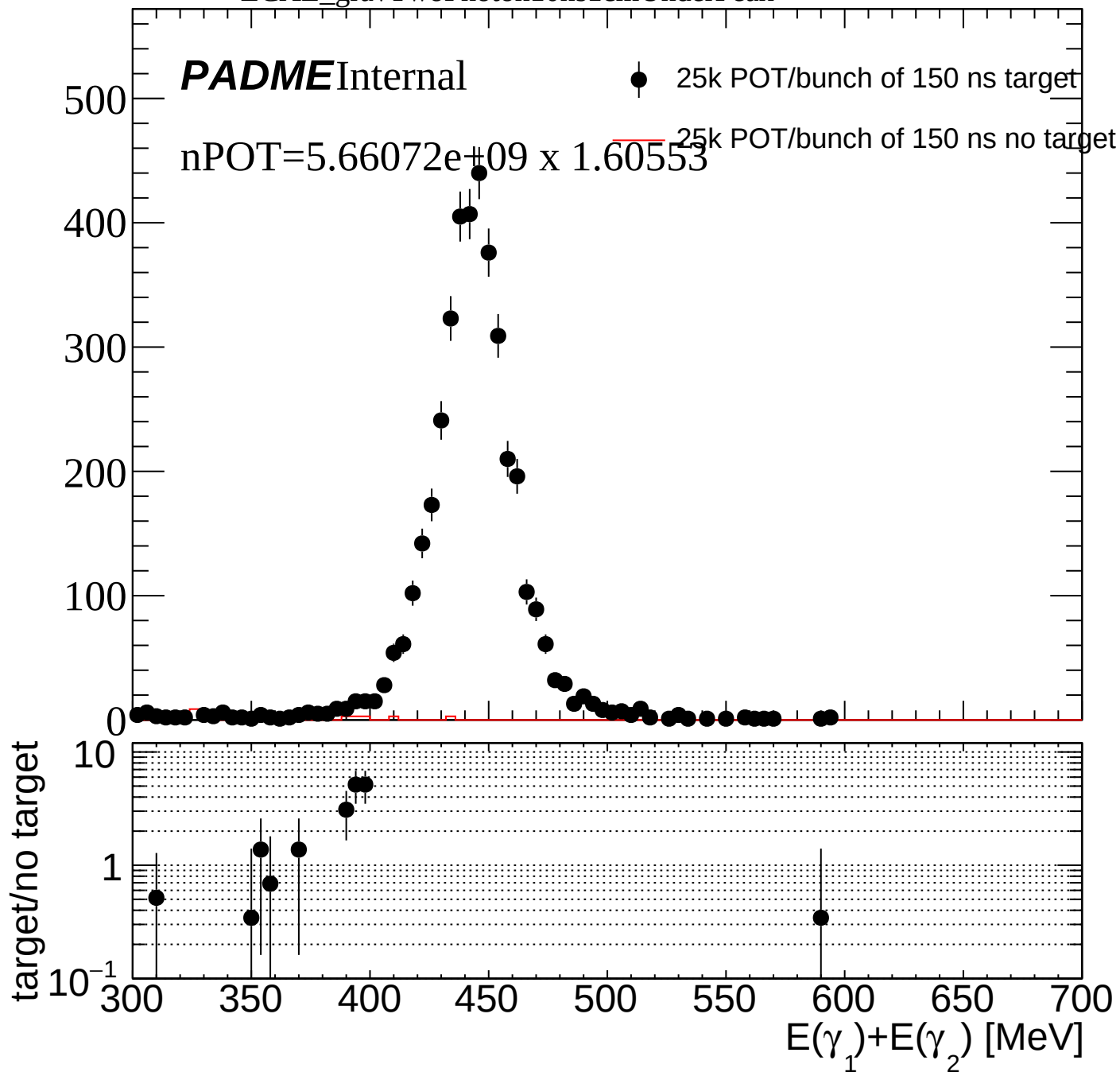
10

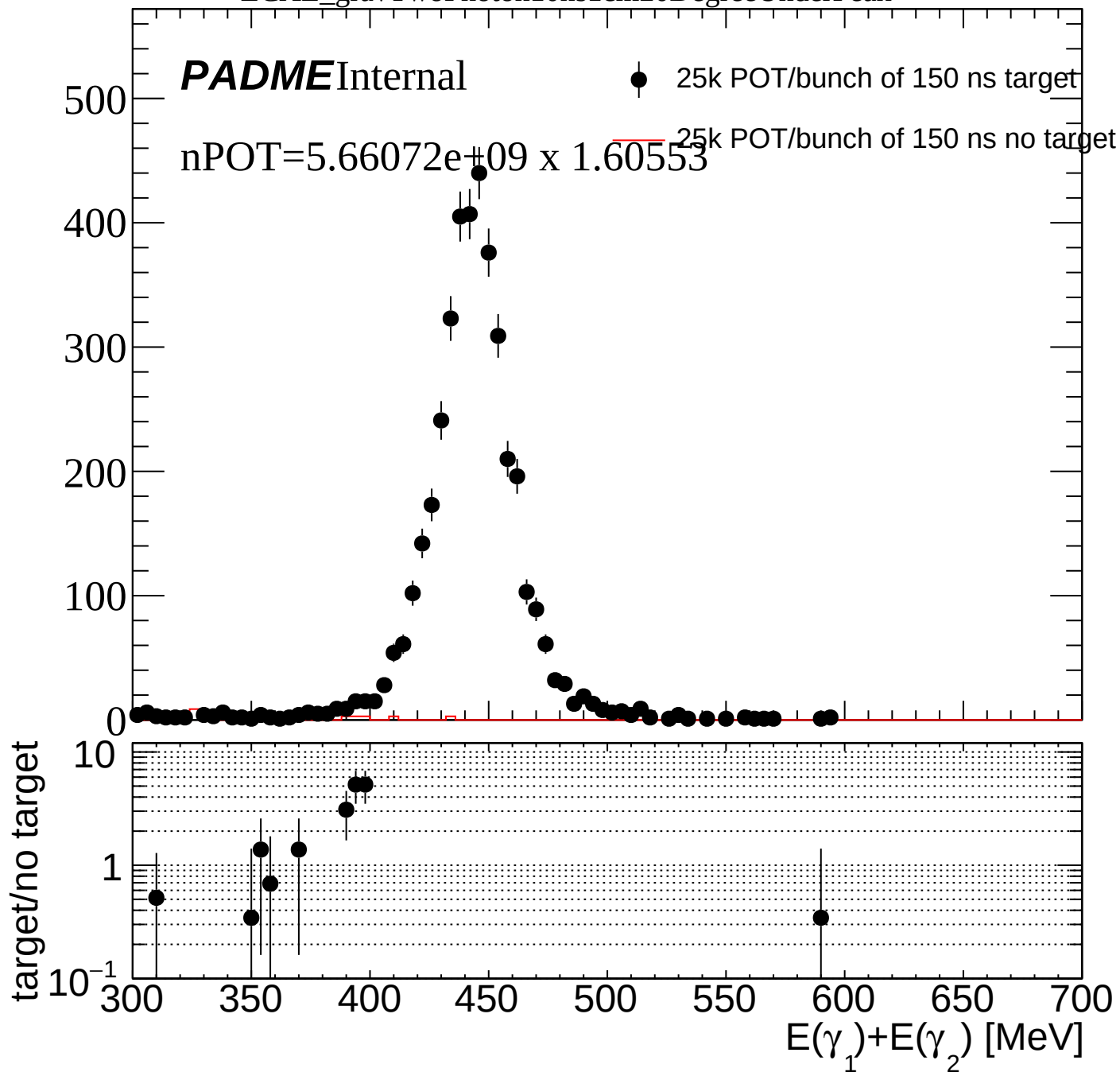
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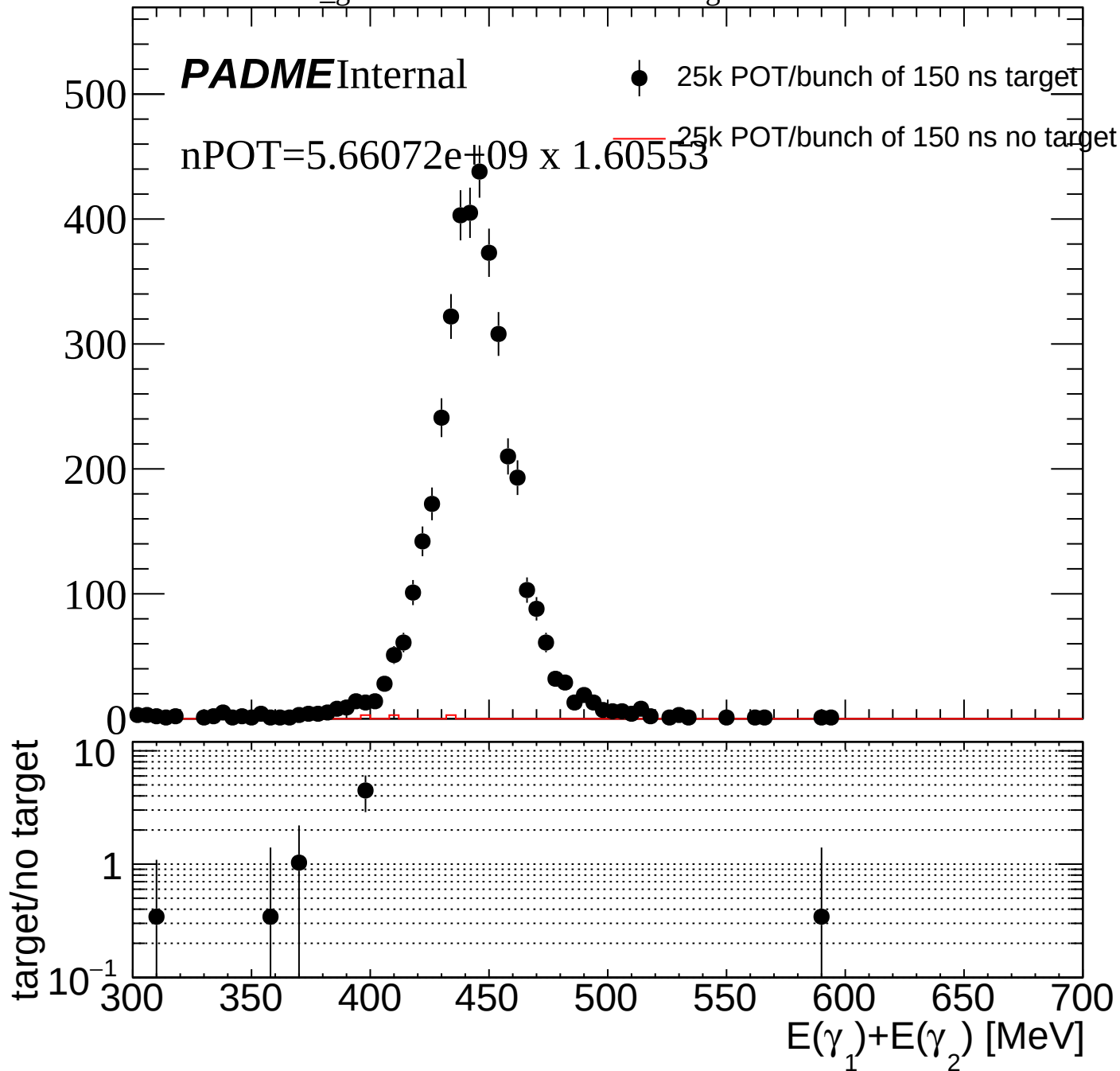
10<sup>-1</sup>

$E(\gamma_1)+E(\gamma_2)$  [MeV]









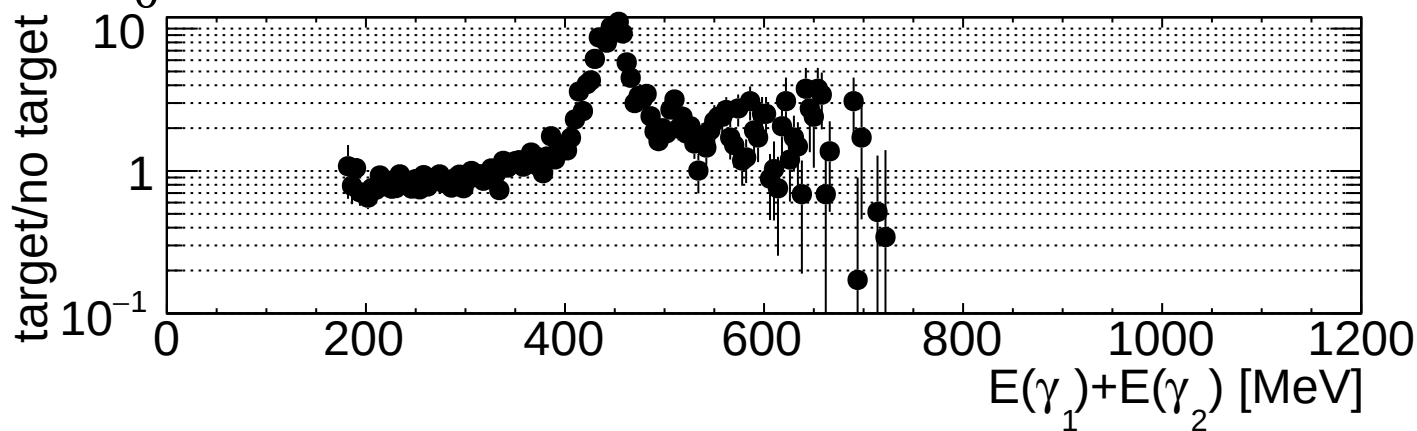
ECAL\_twoPhotonInTime10nsEThr90

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



ECAL\_twoPhotonInTime10ns20DegreeEThr90

***PADME*** Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

target/no target

10<sup>-1</sup>

10

0

200

400

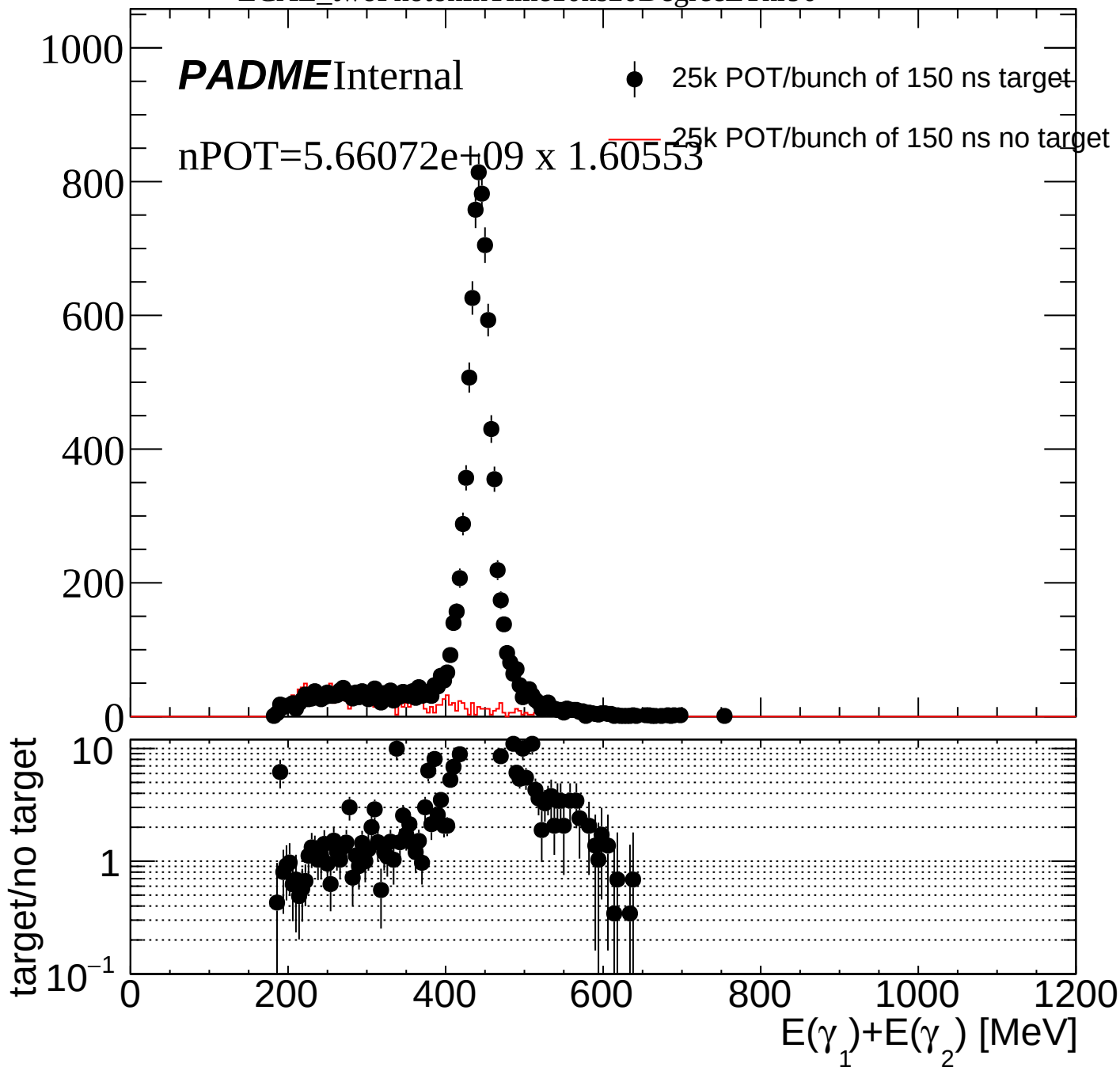
600

800

1000

1200

$E(\gamma_1)+E(\gamma_2)$  [MeV]



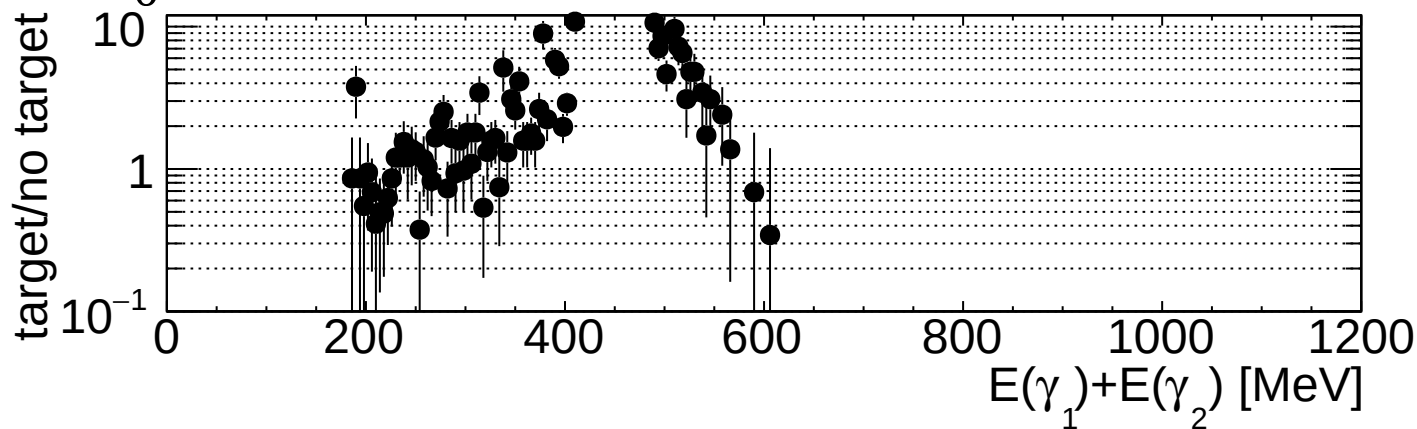
ECAL\_twoPhotonInTime10ns20DegreeDeltaThetaEThr90

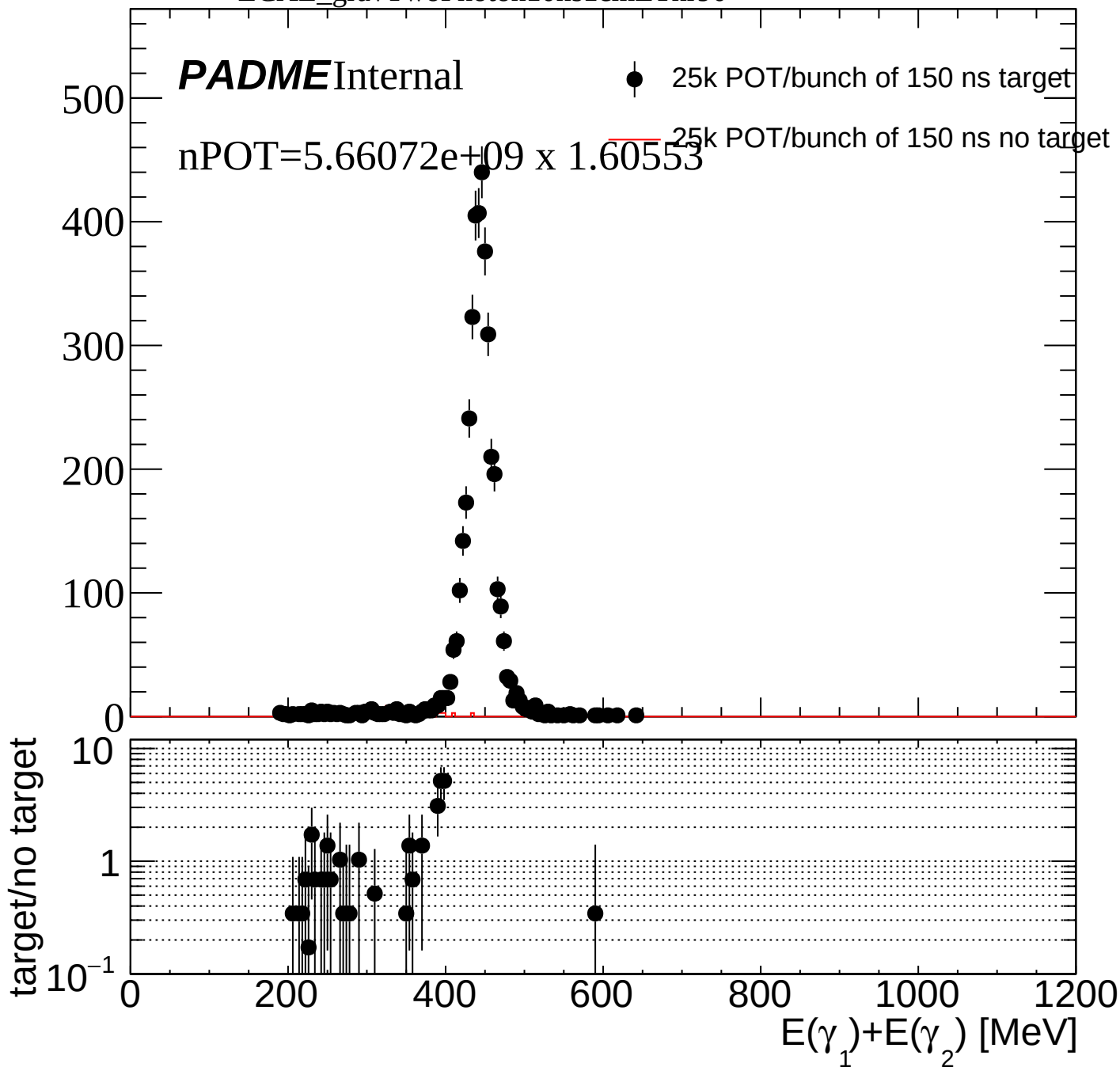
***PADME*** Internal

nPOT=5.66072e+09 x 1.60553

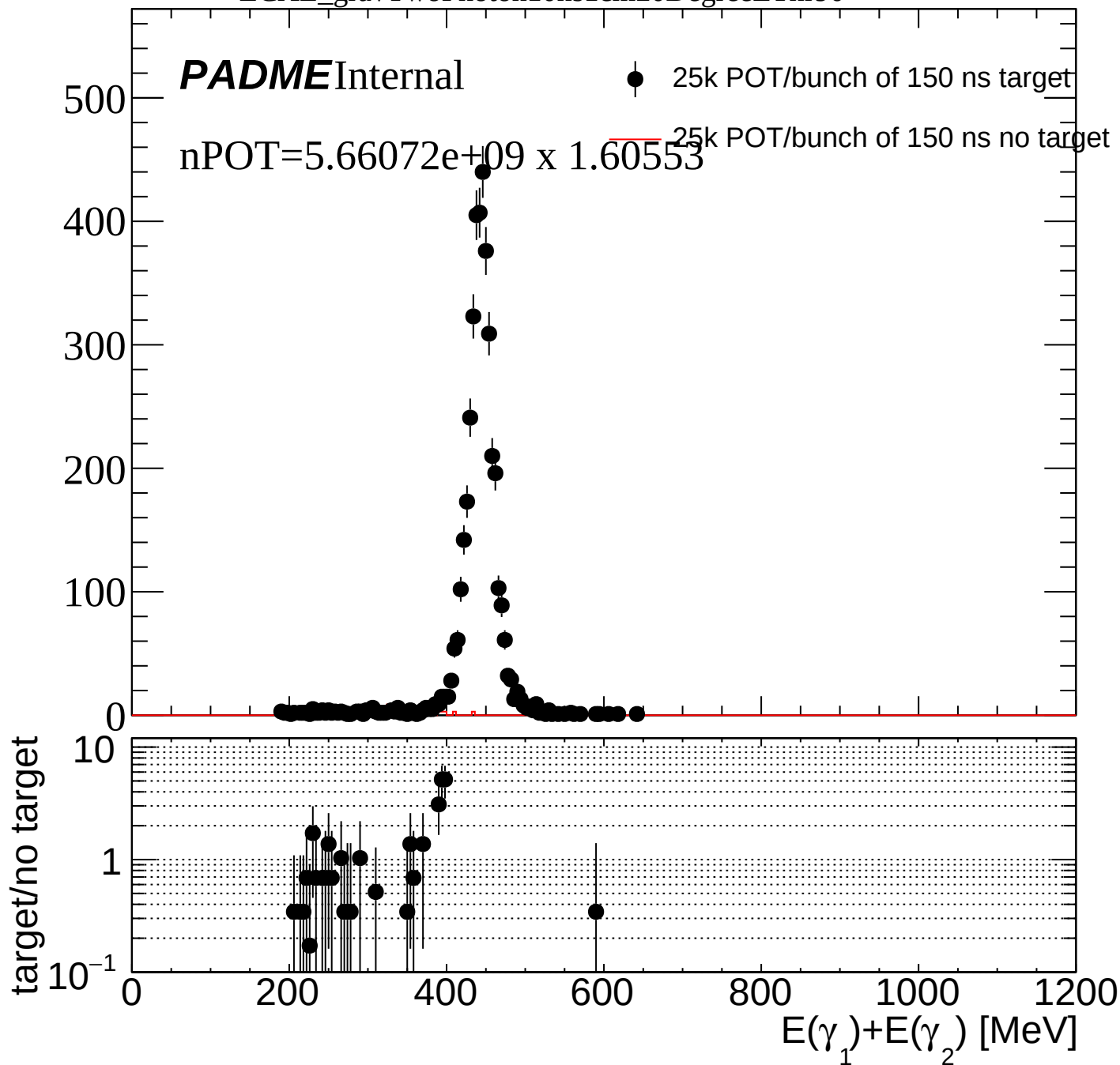
● 25k POT/bunch of 150 ns target

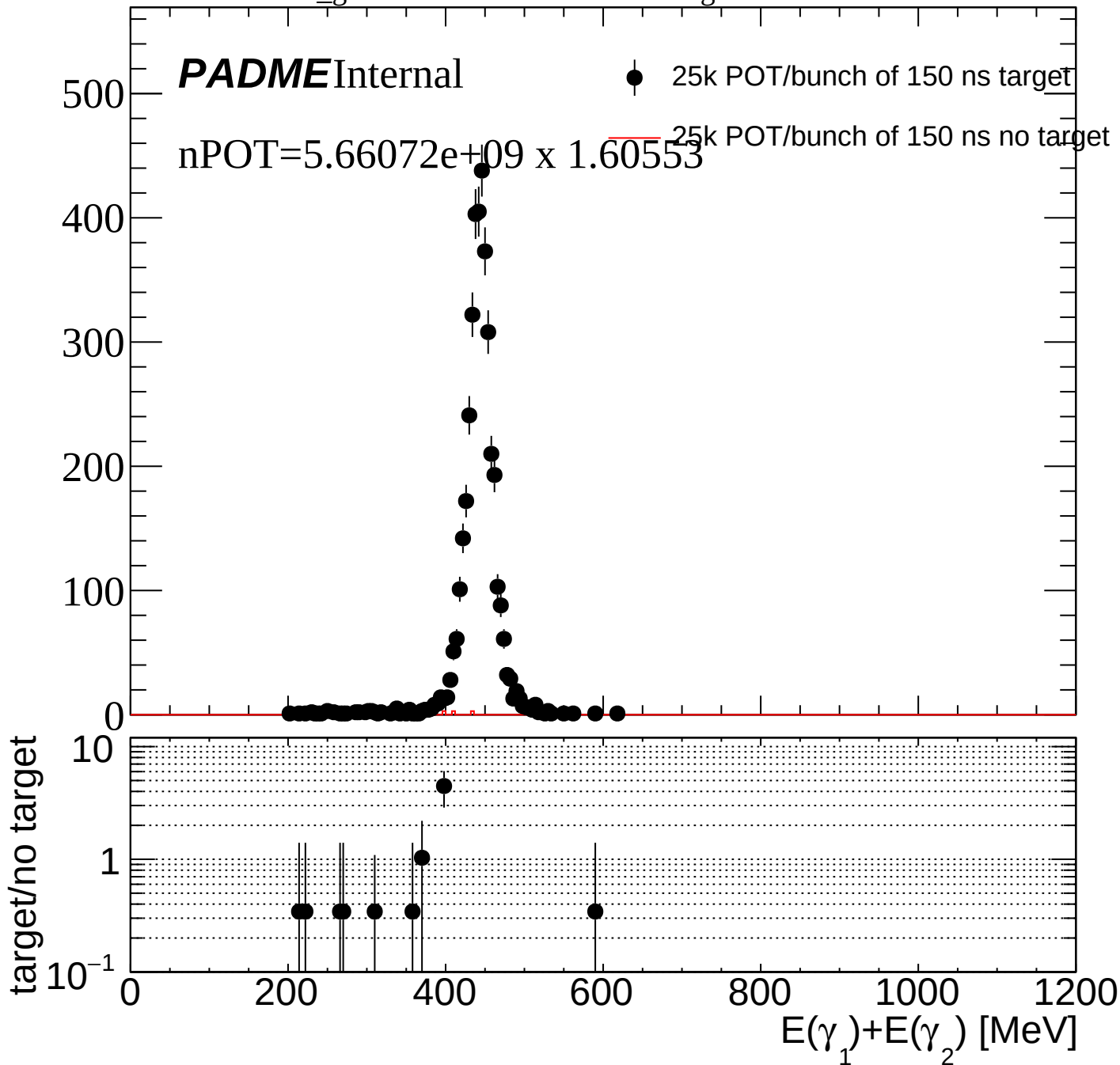
— 25k POT/bunch of 150 ns no target



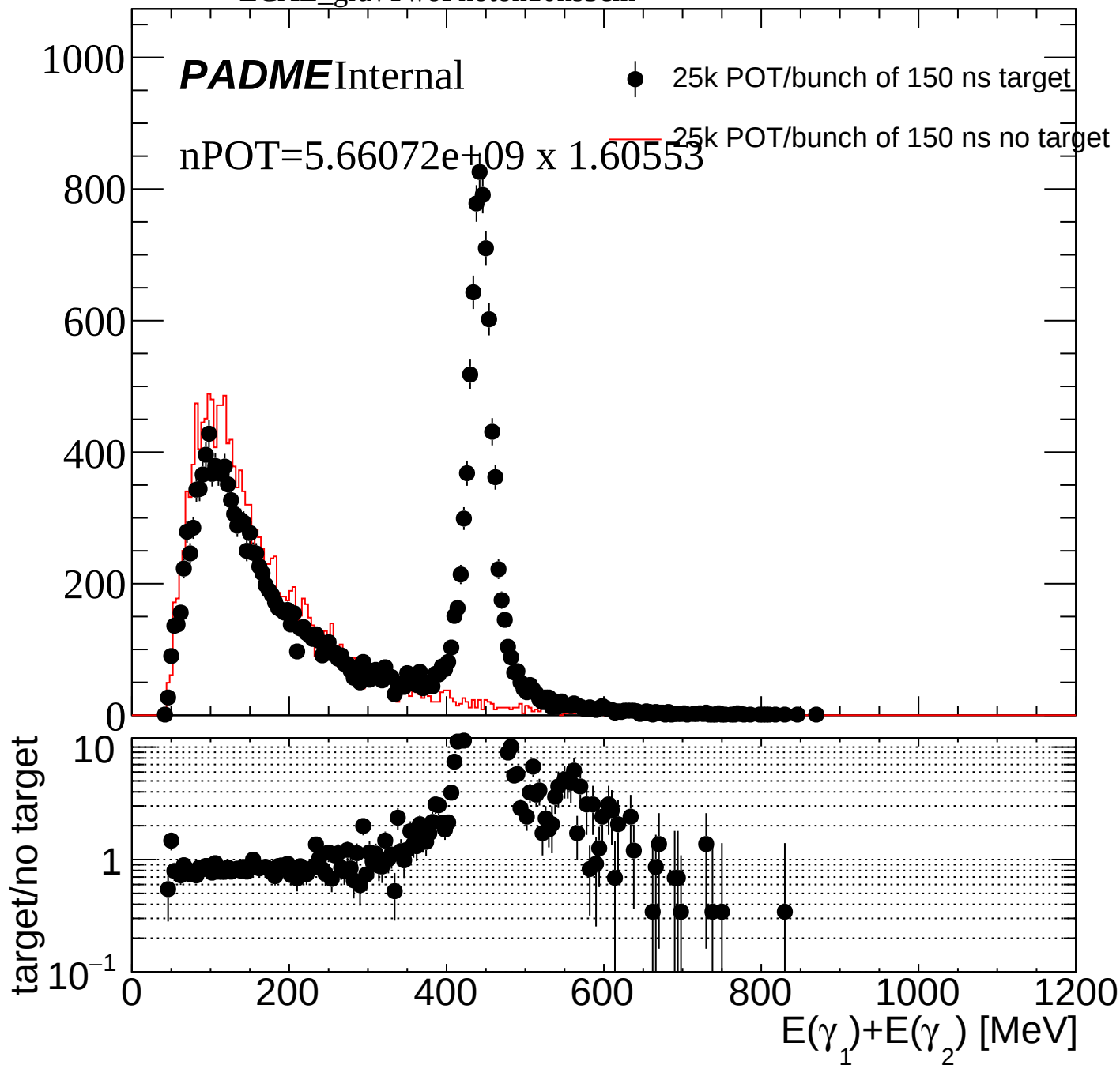


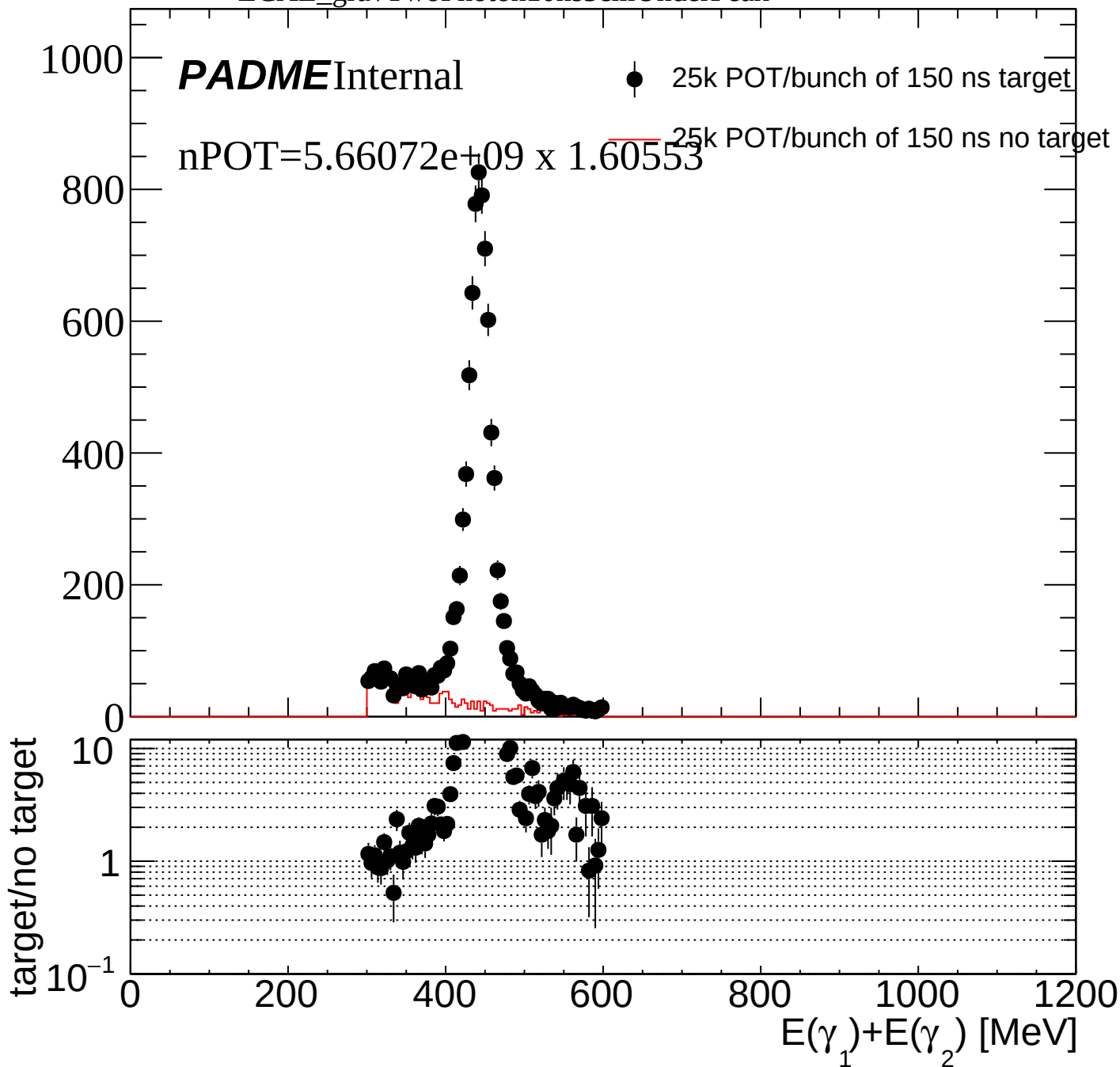


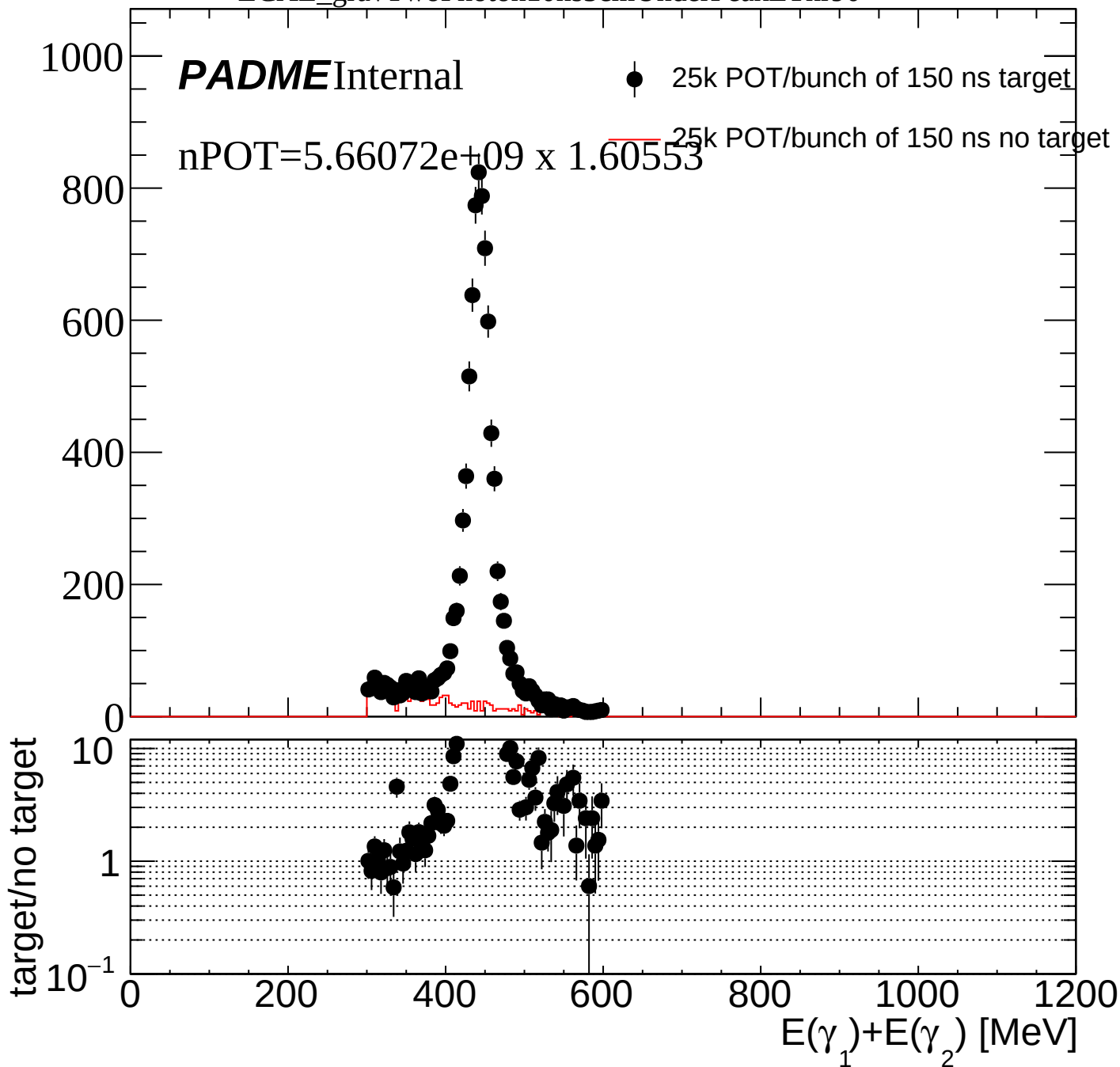


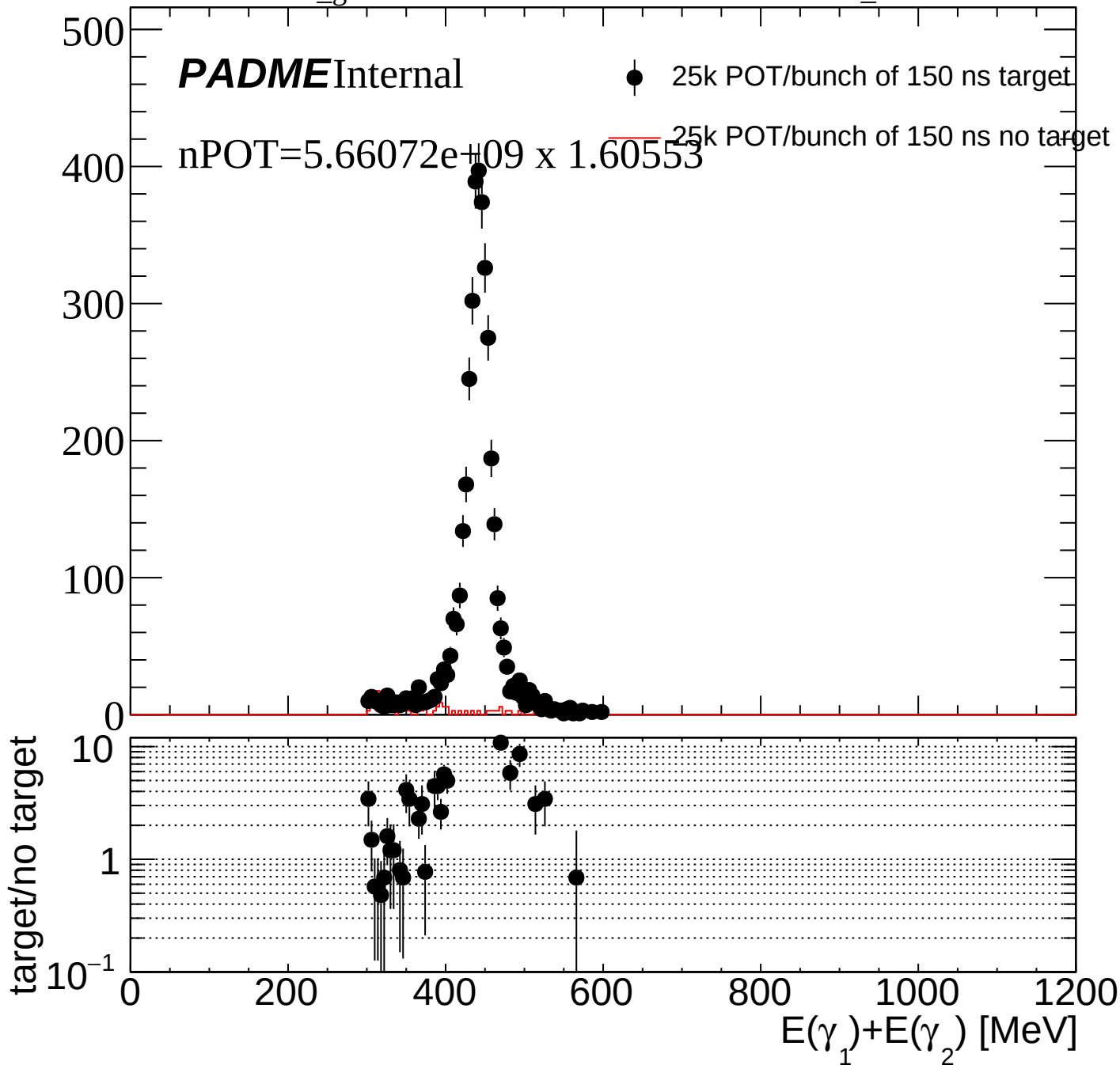


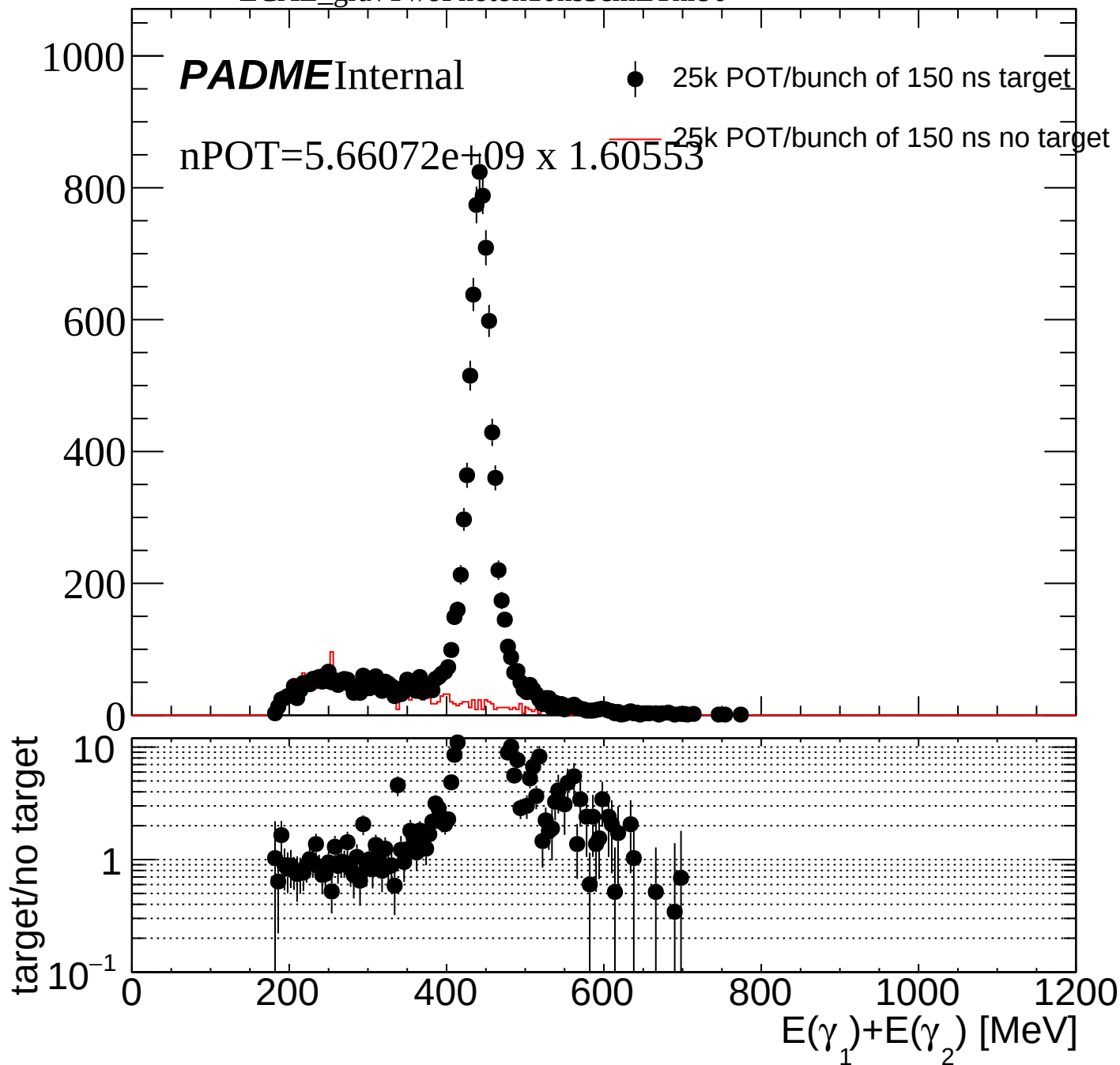
ECAL\_gravTwoPhoton10ns5cm

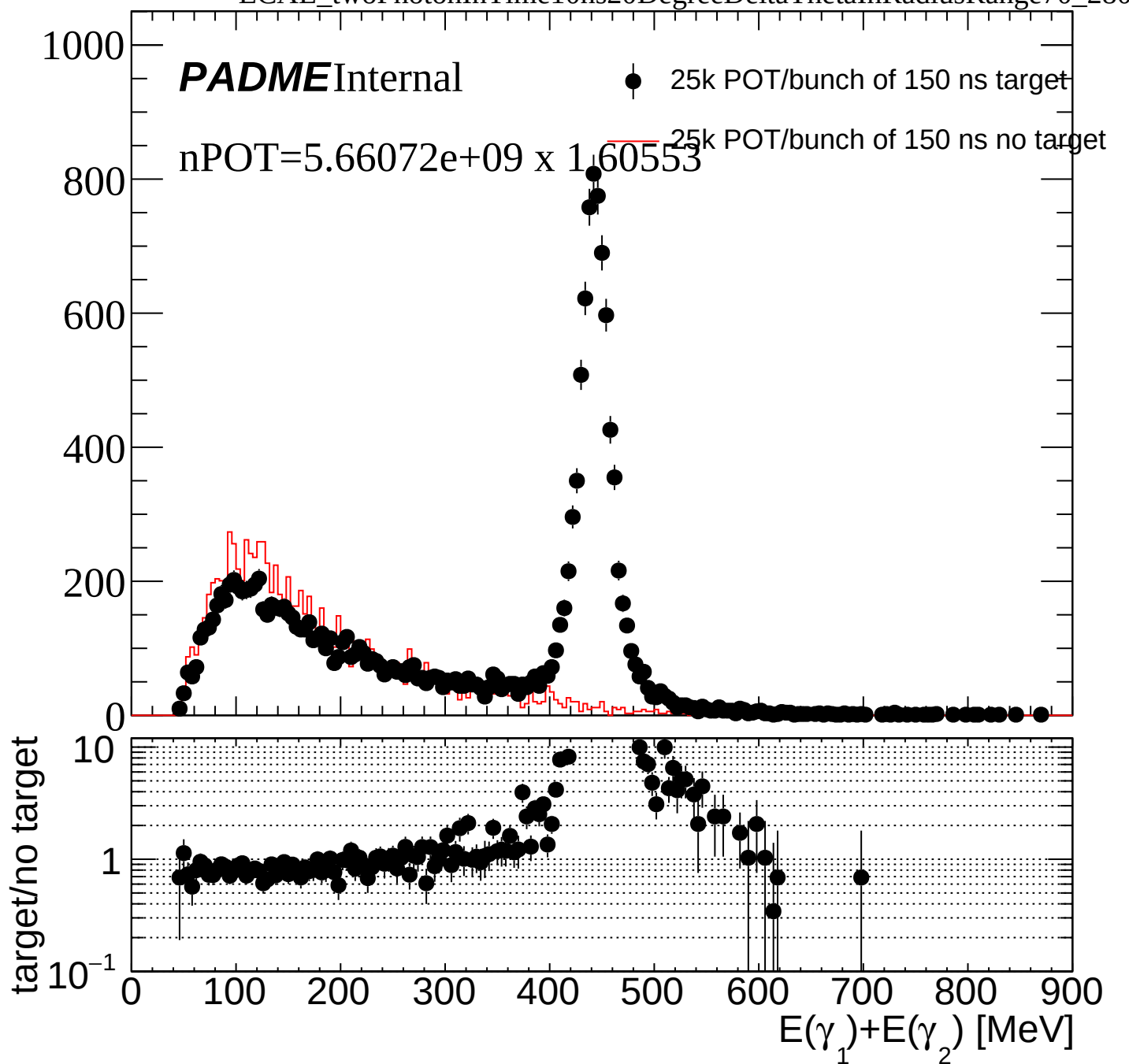




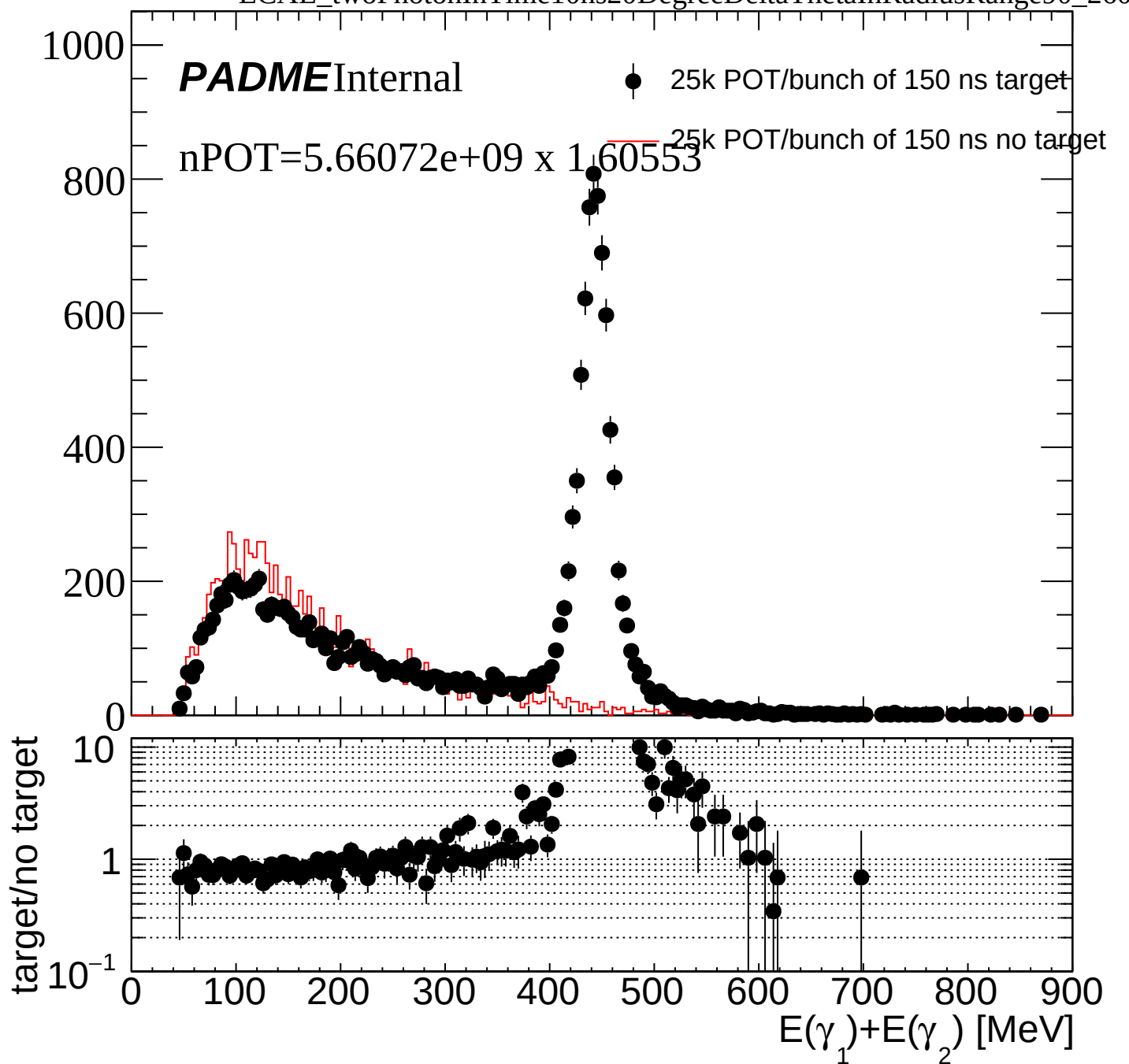


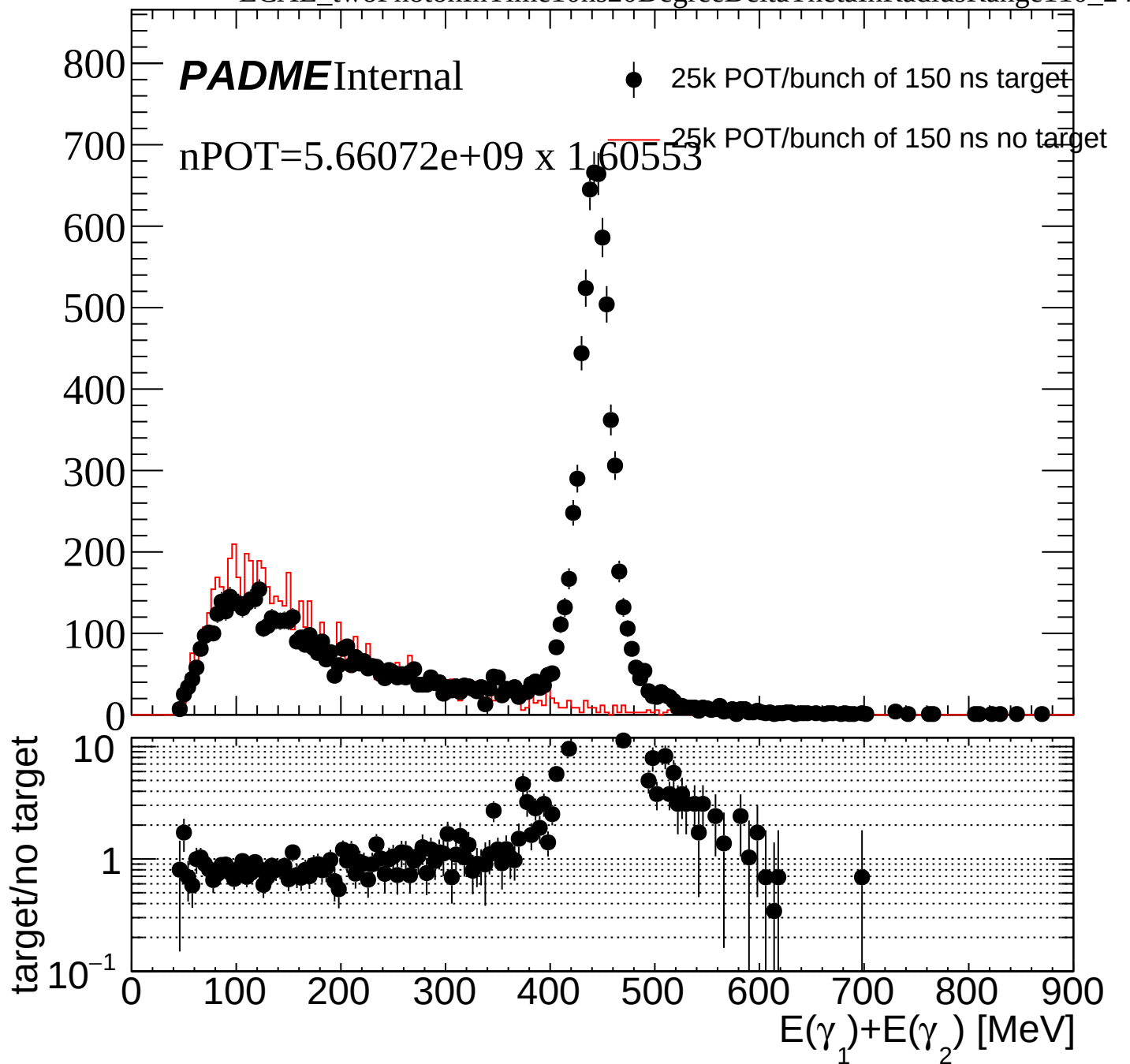


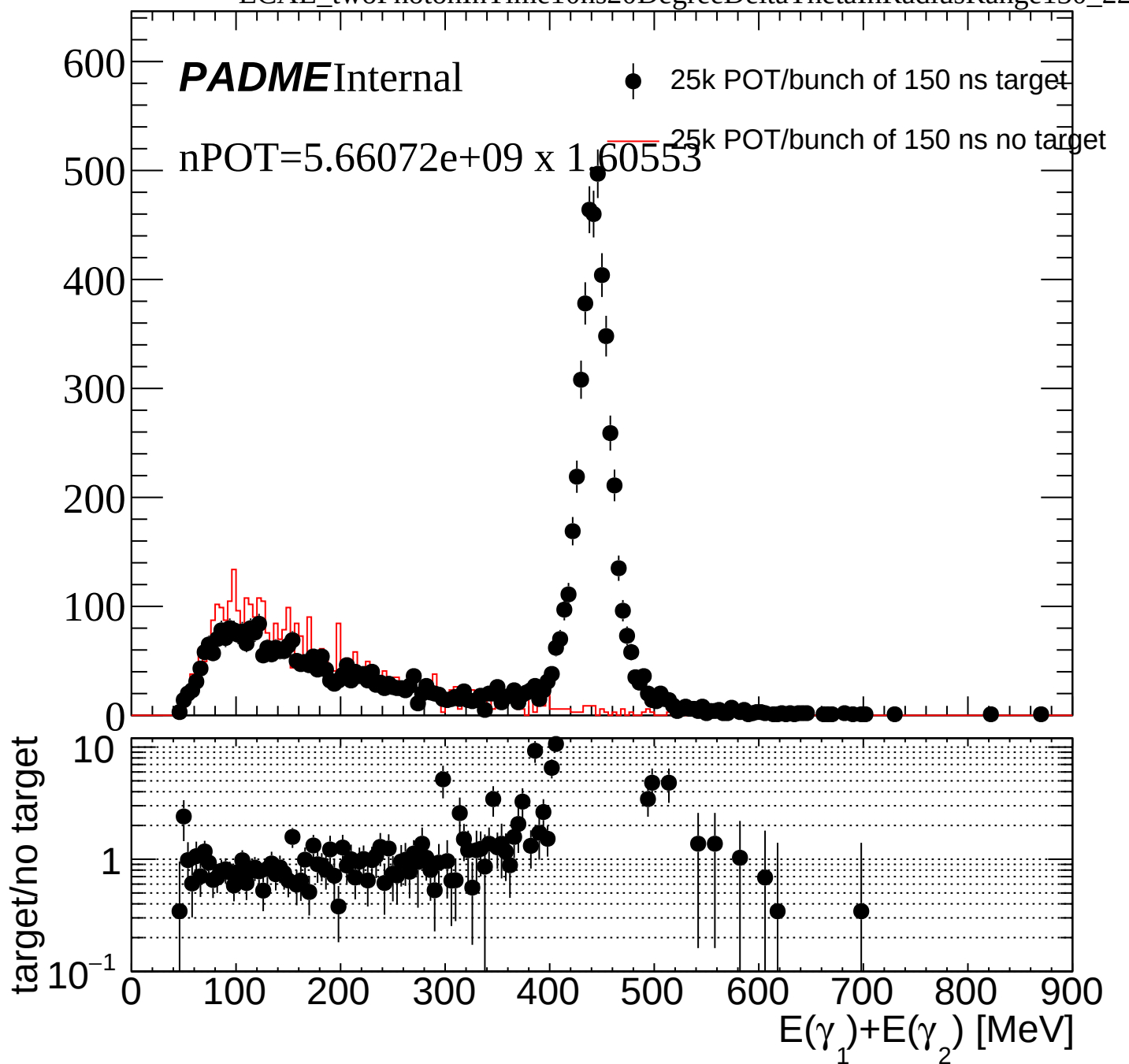


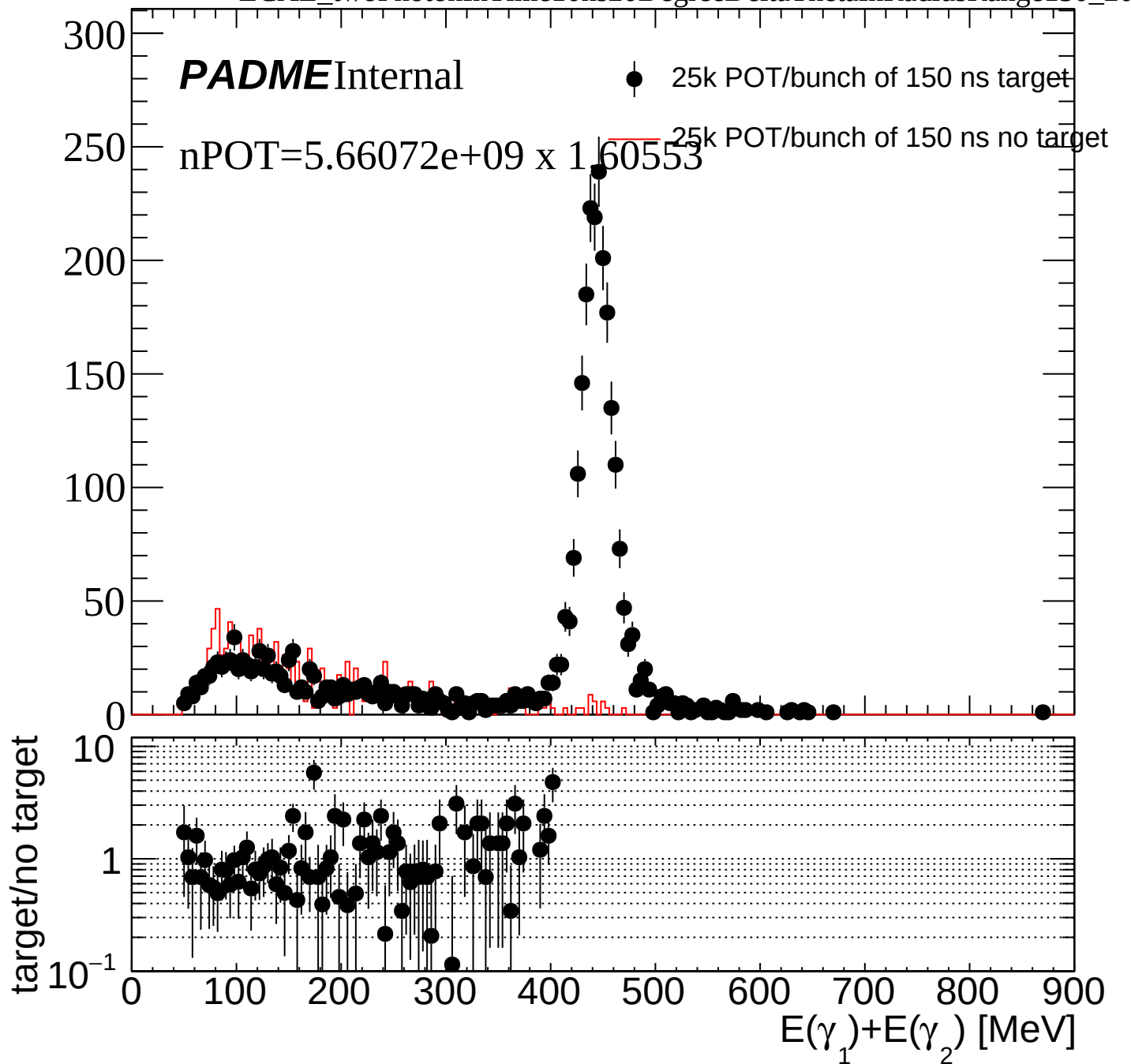


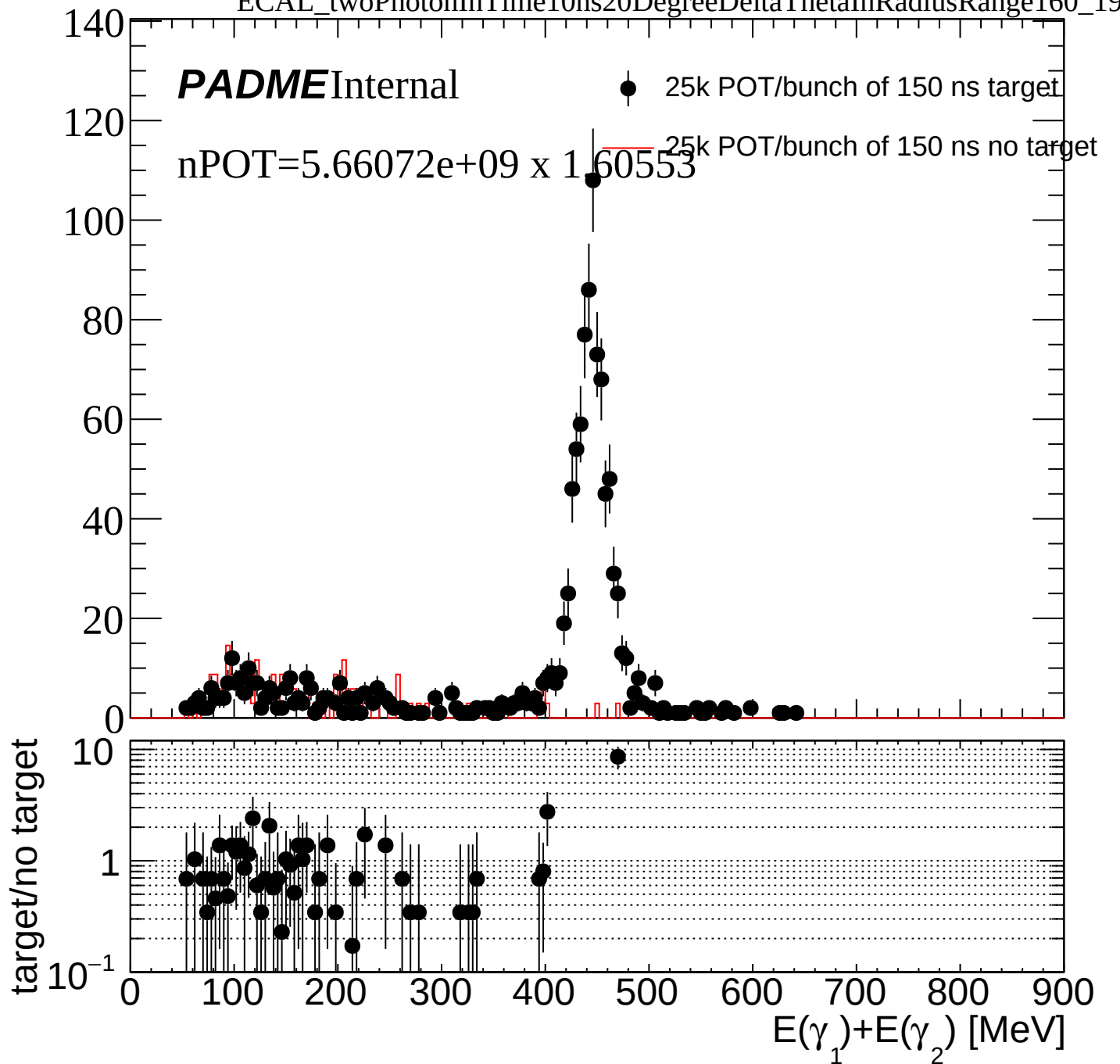


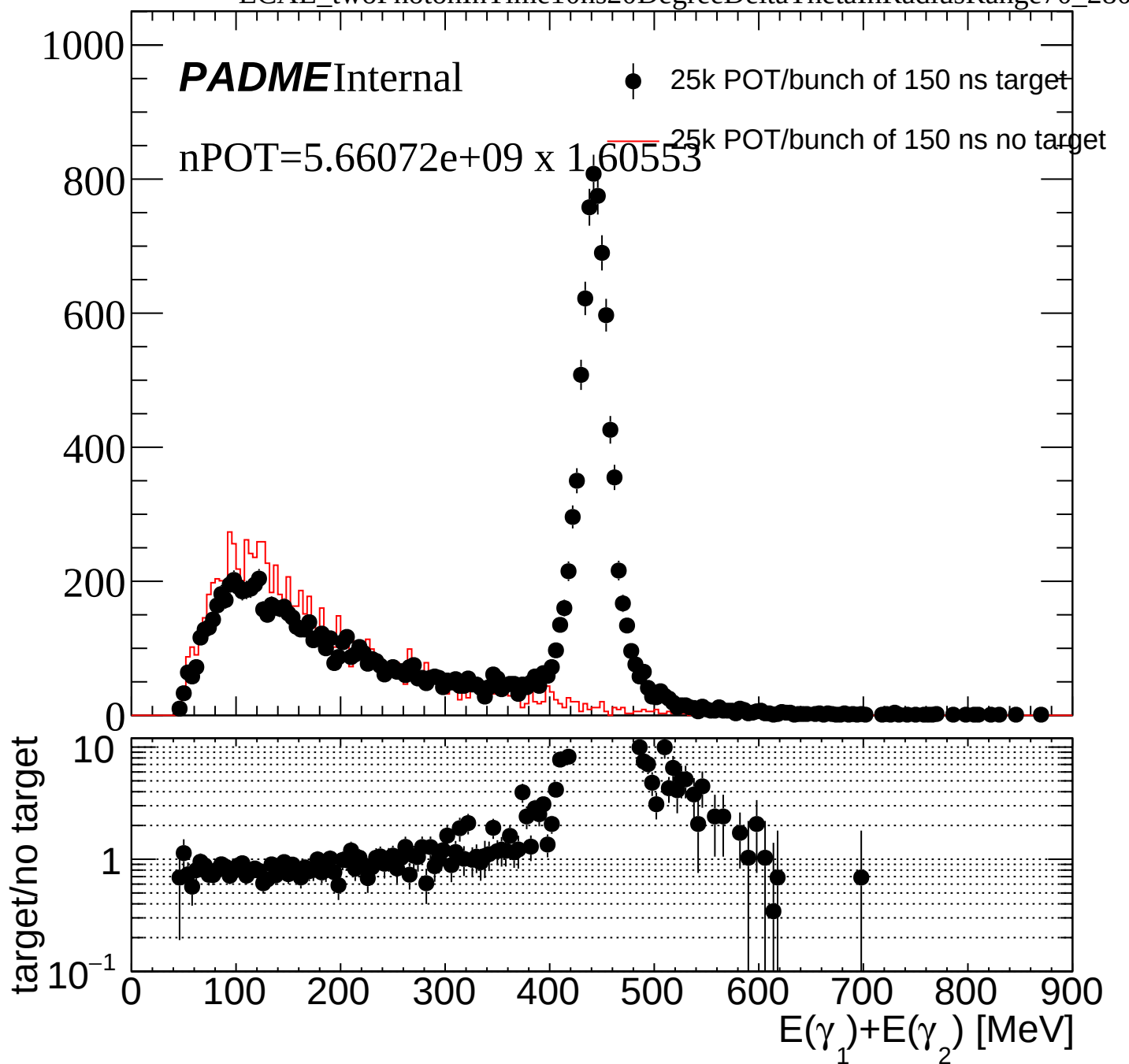


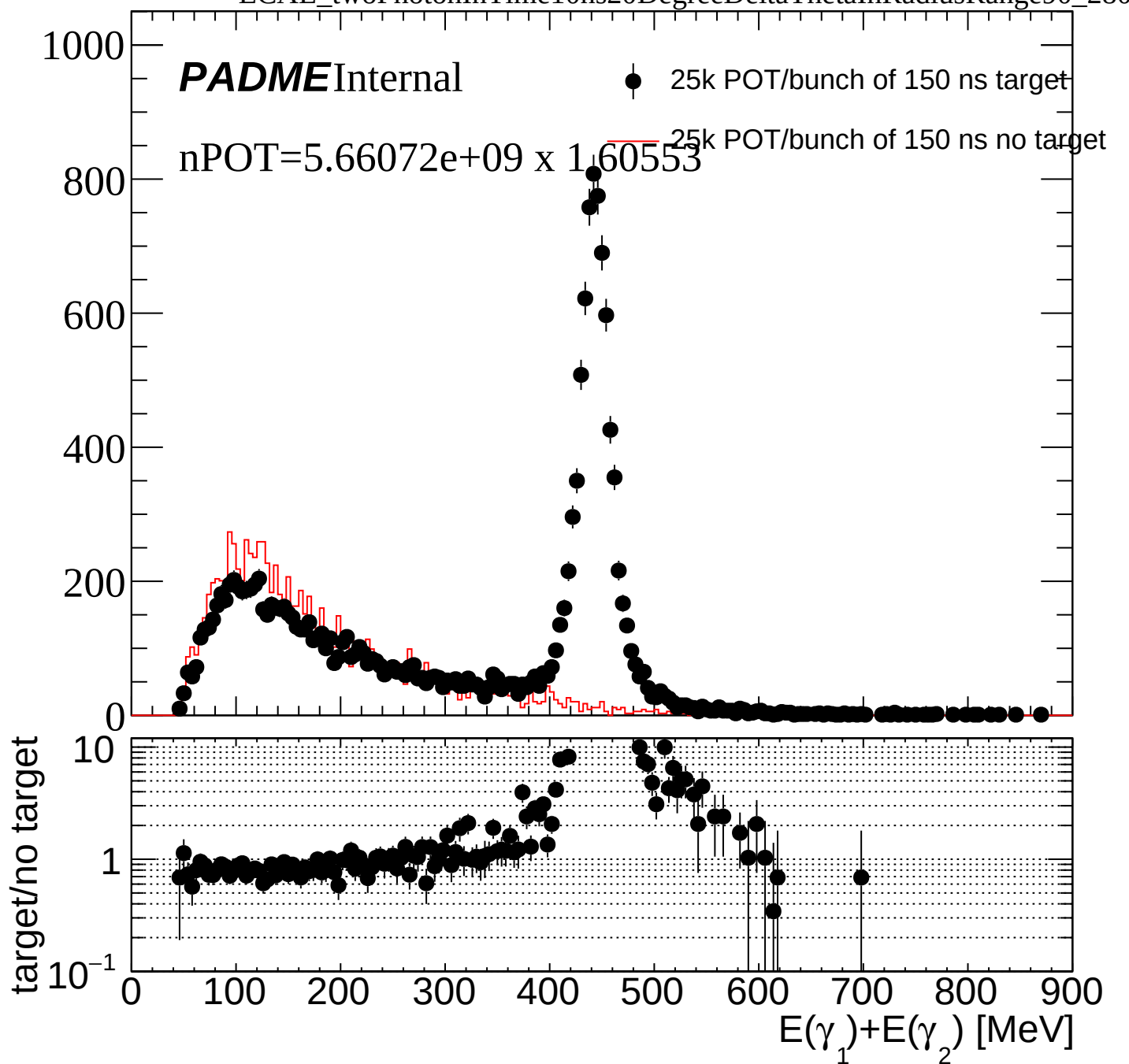


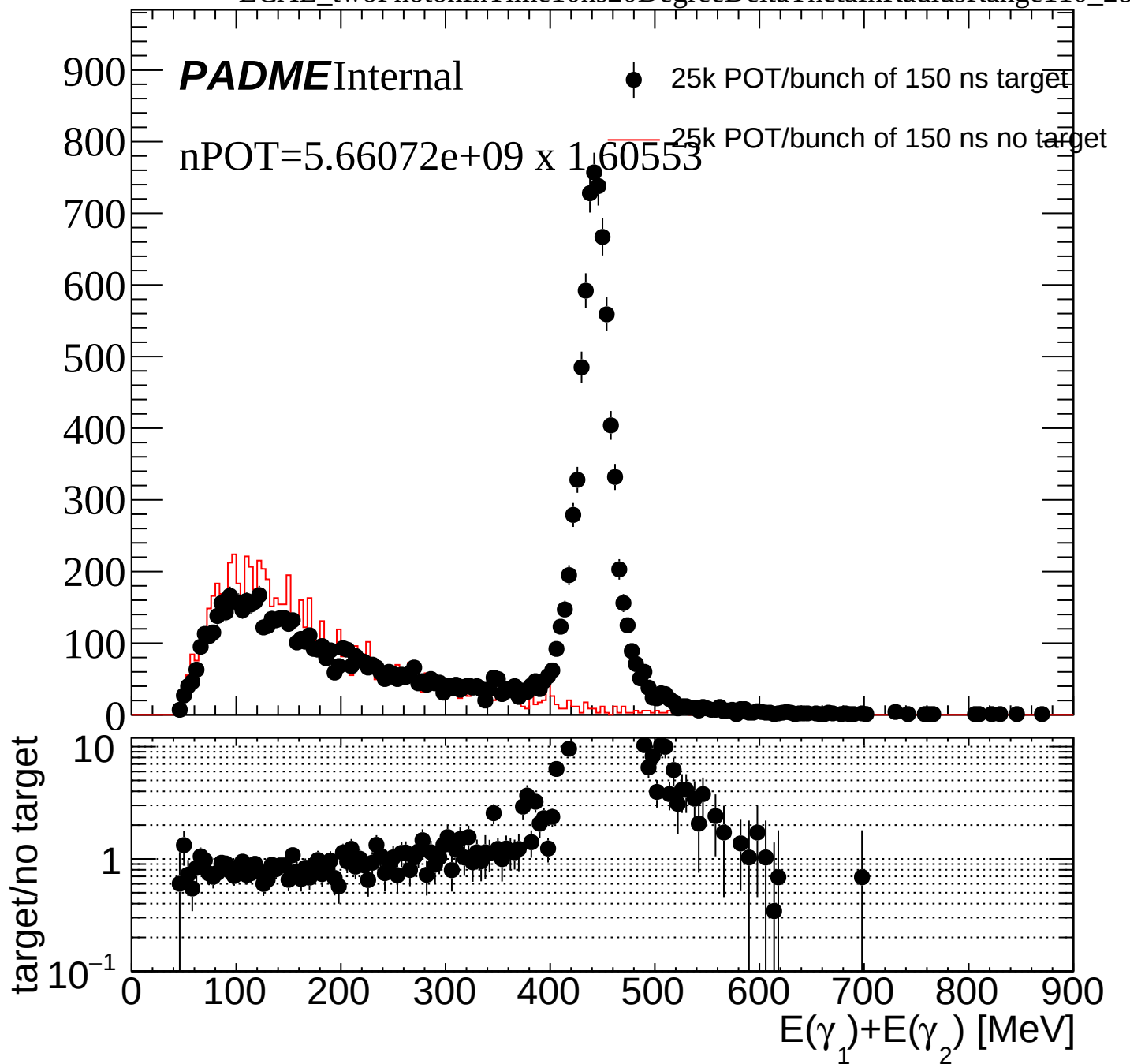




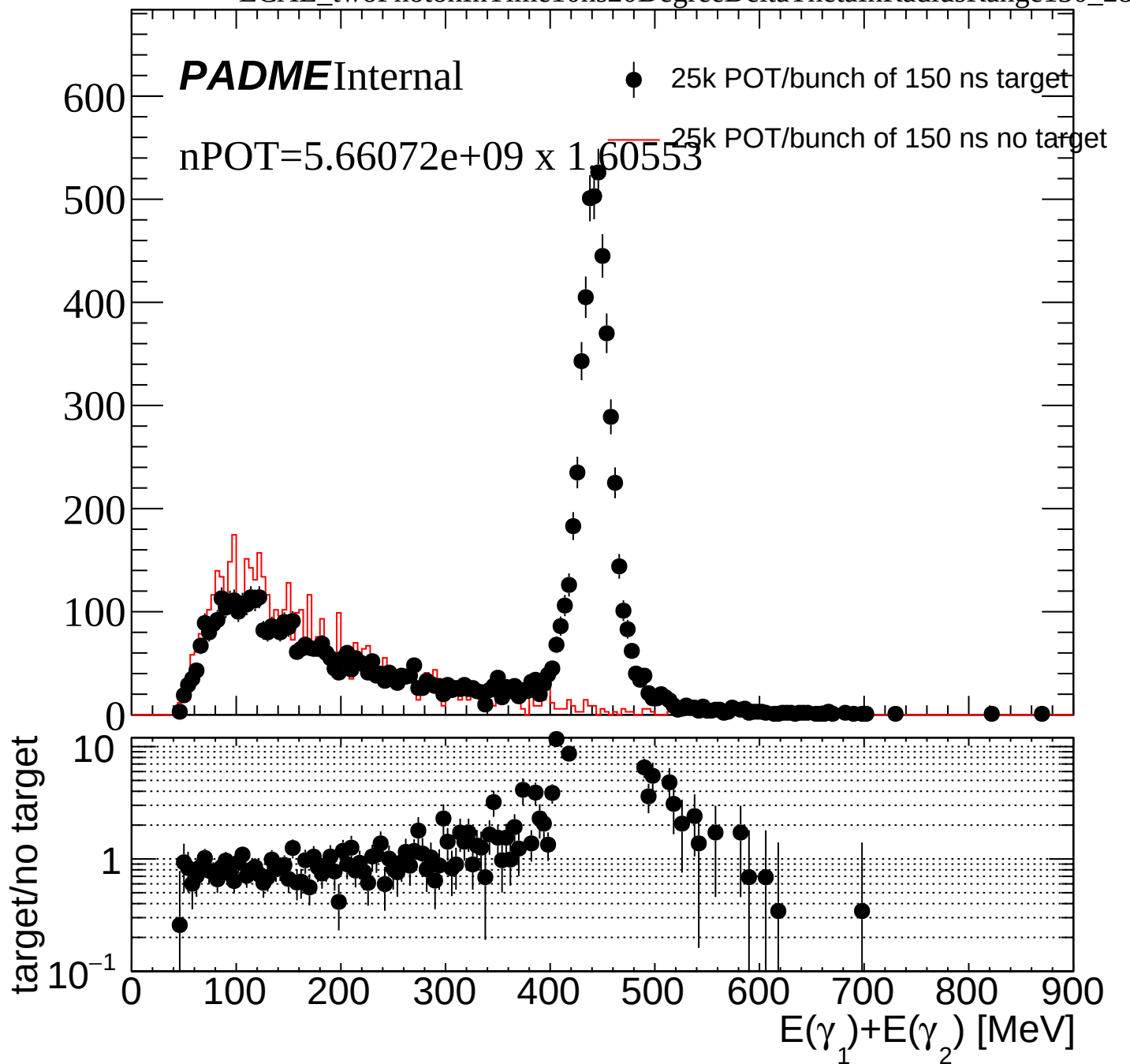


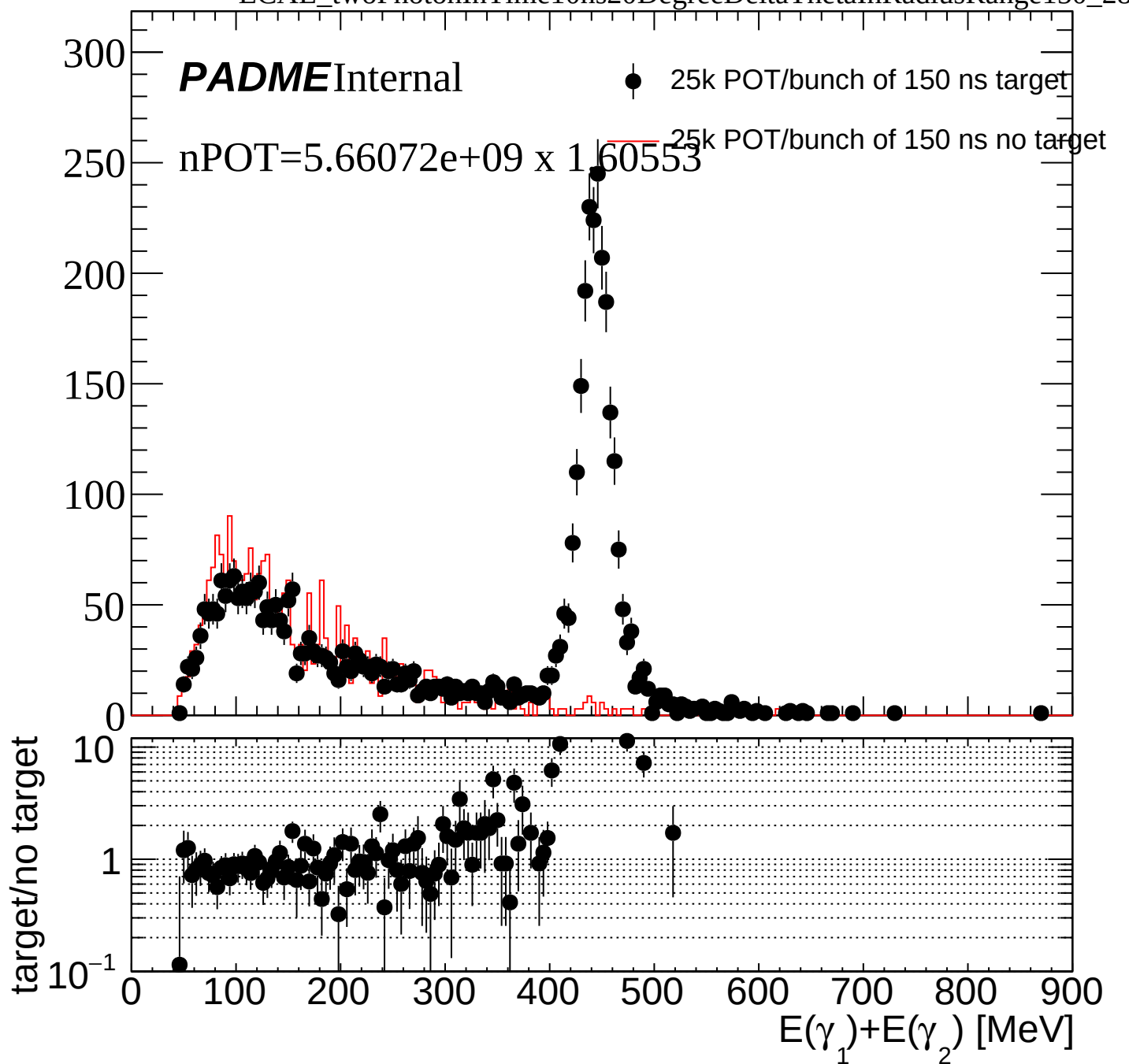


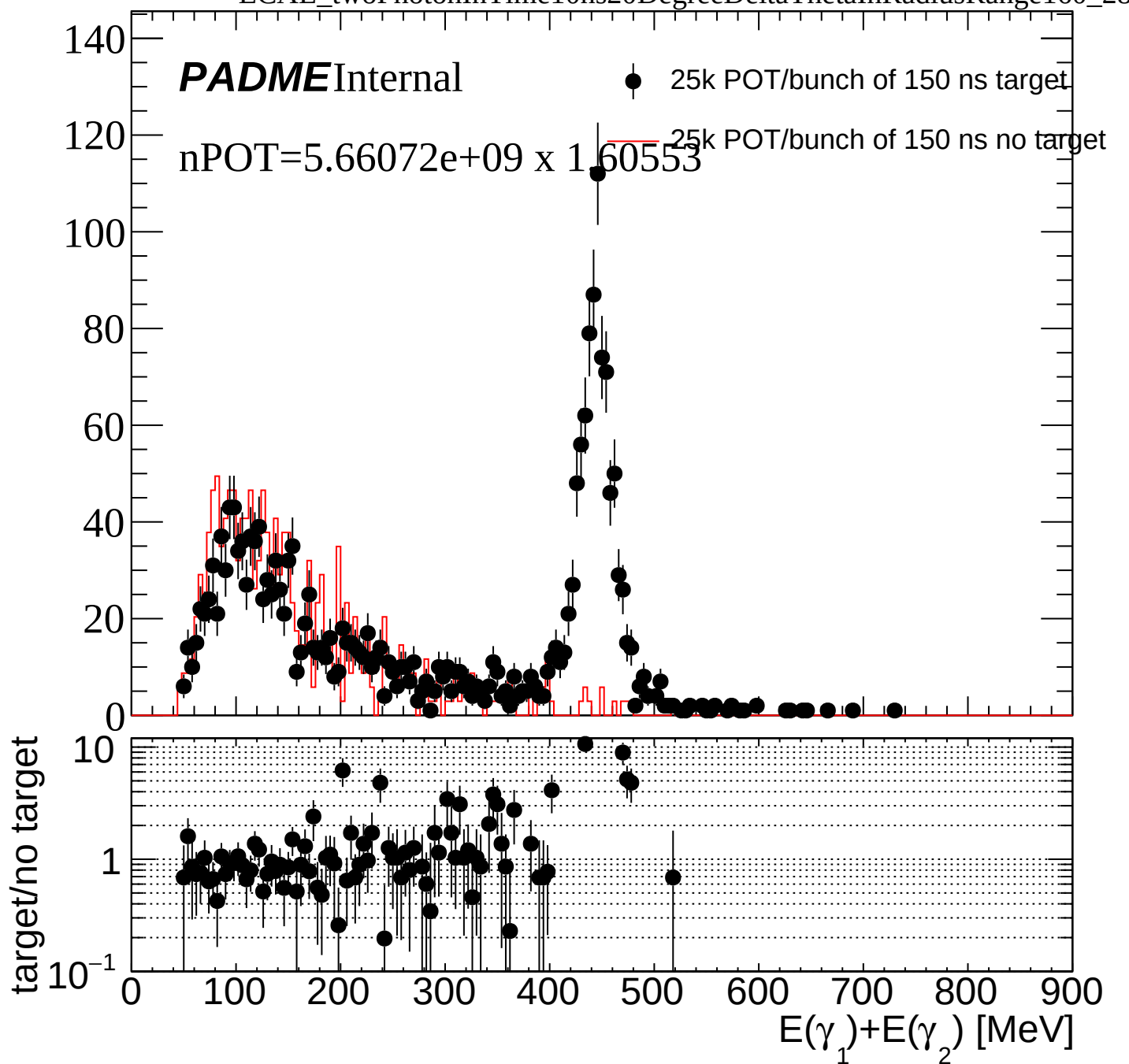


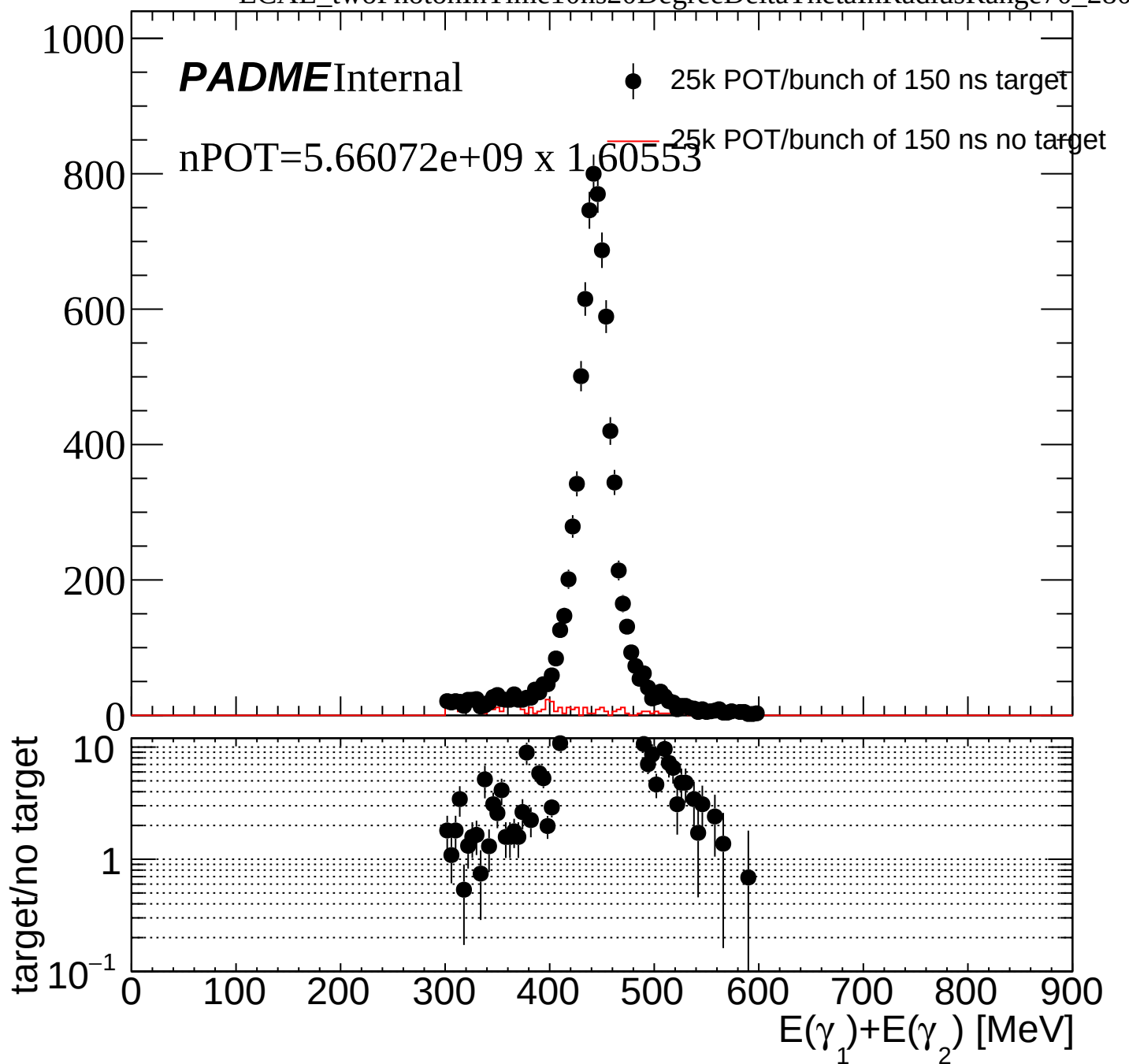


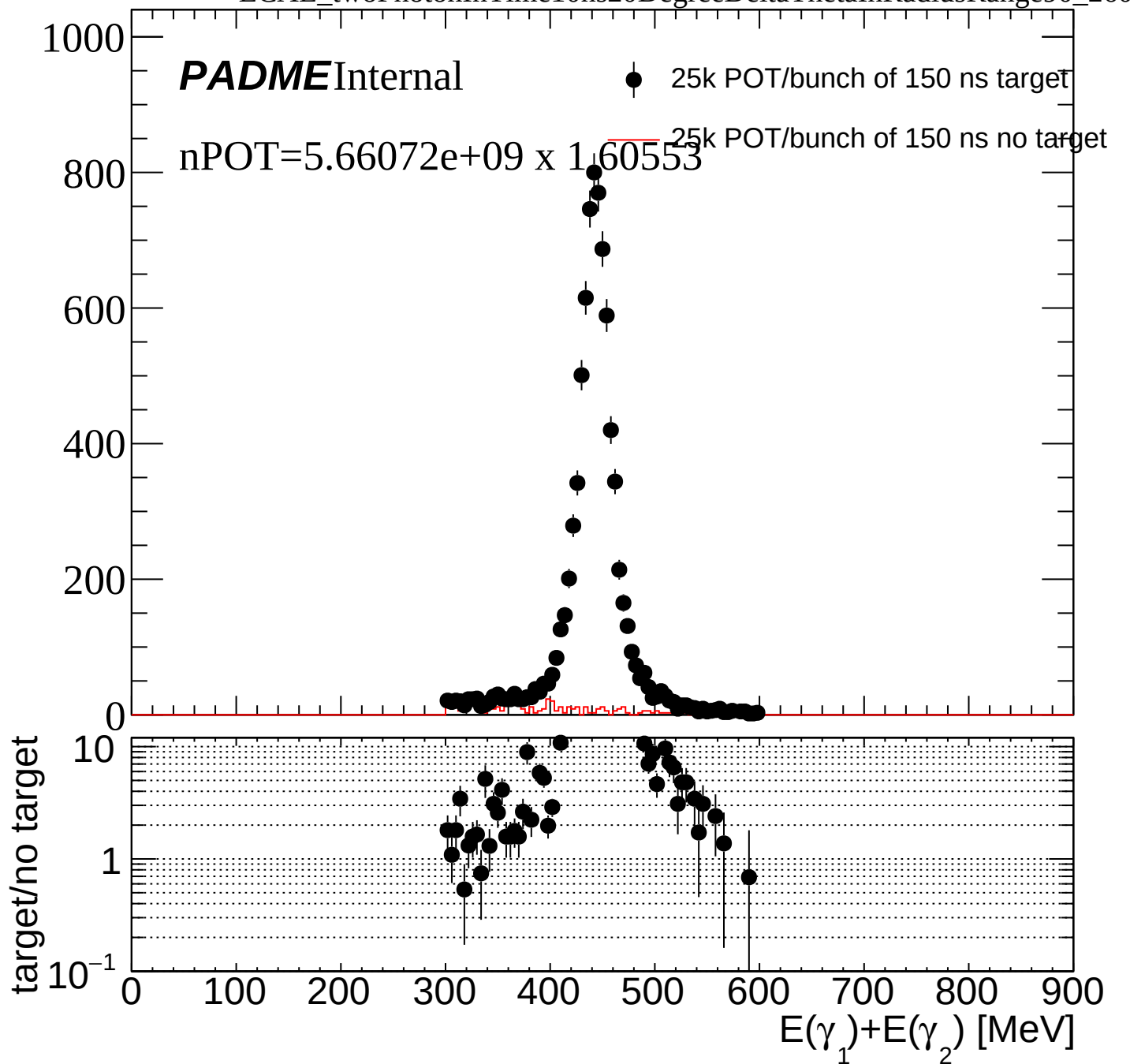


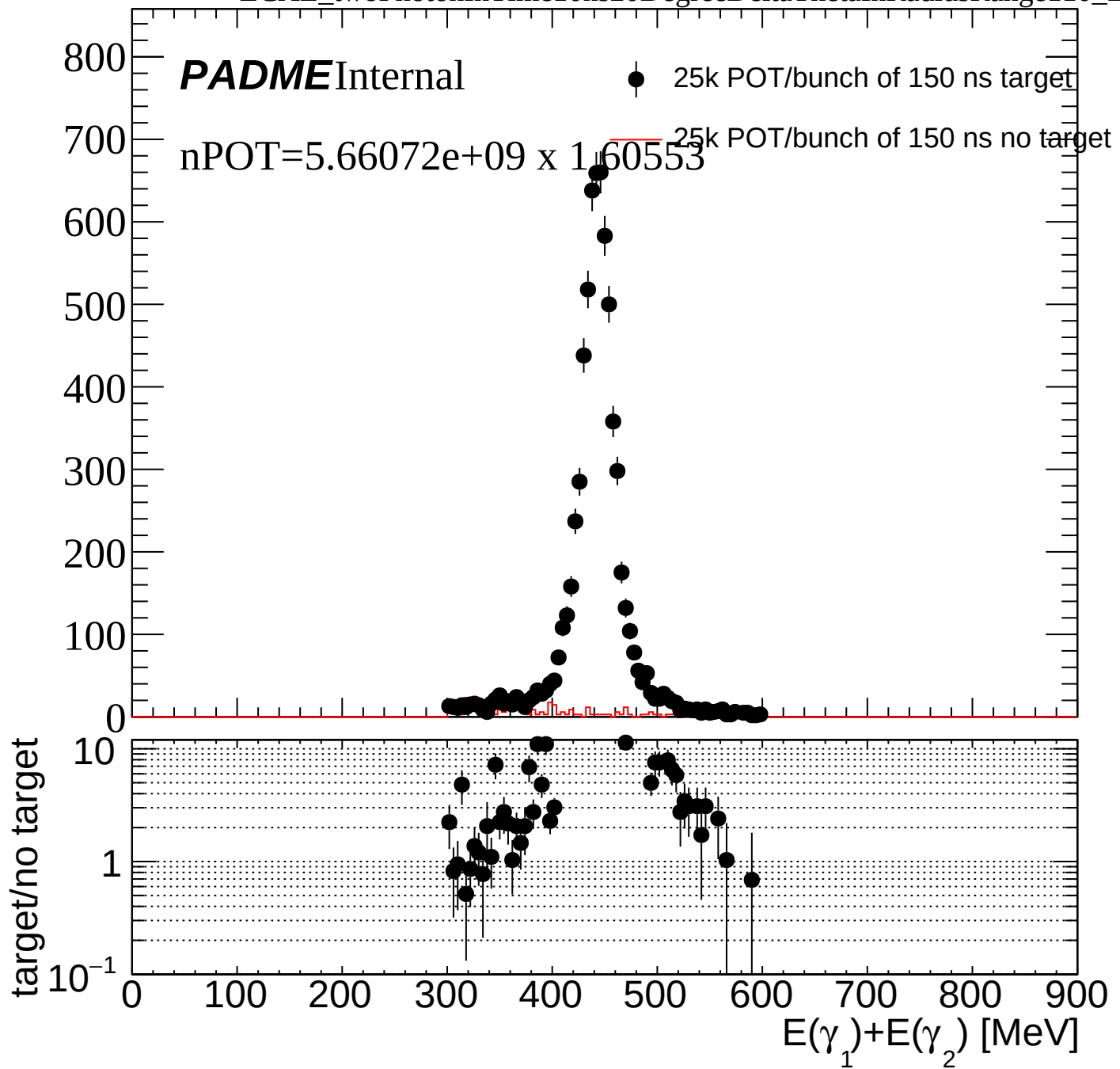


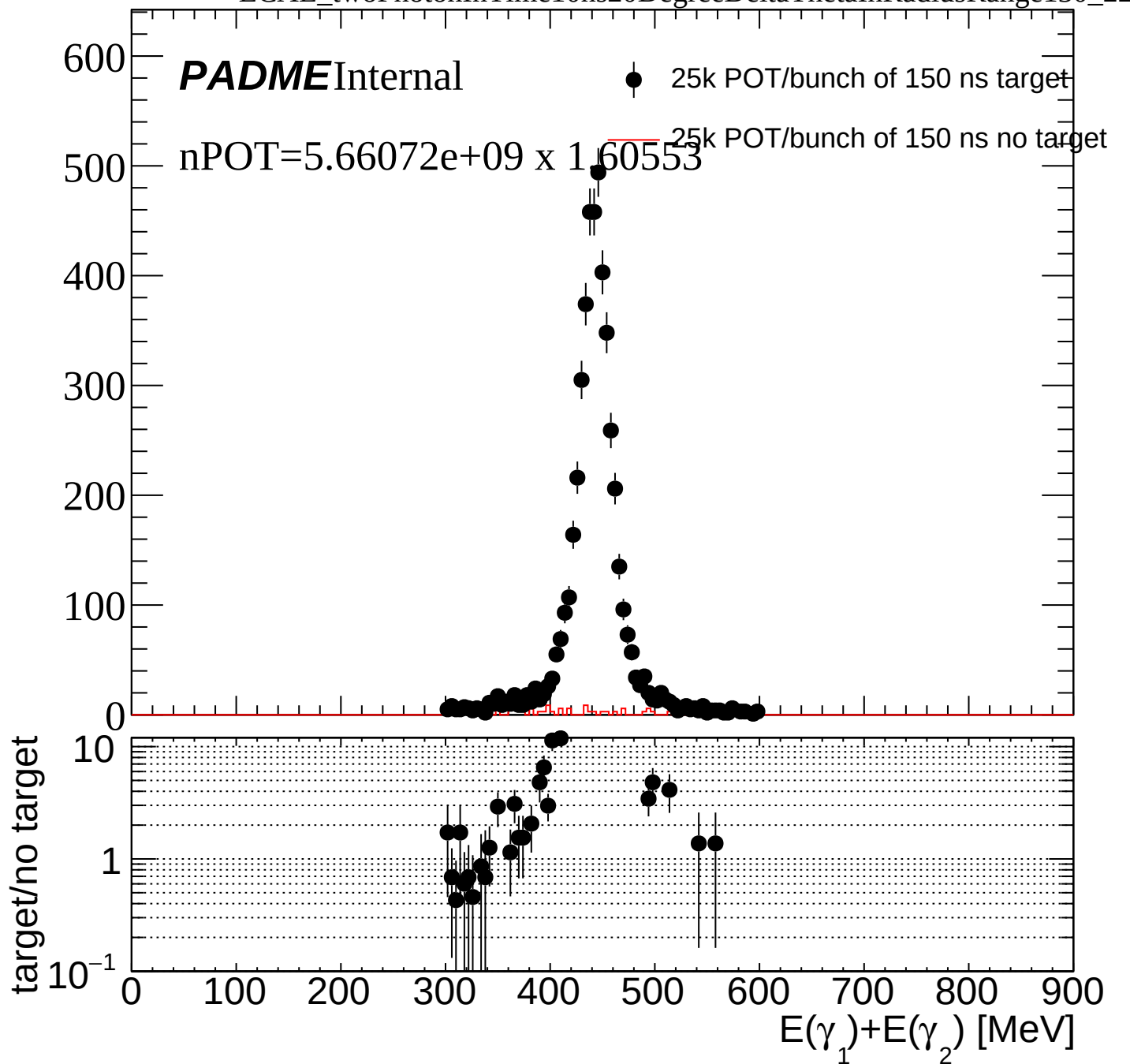


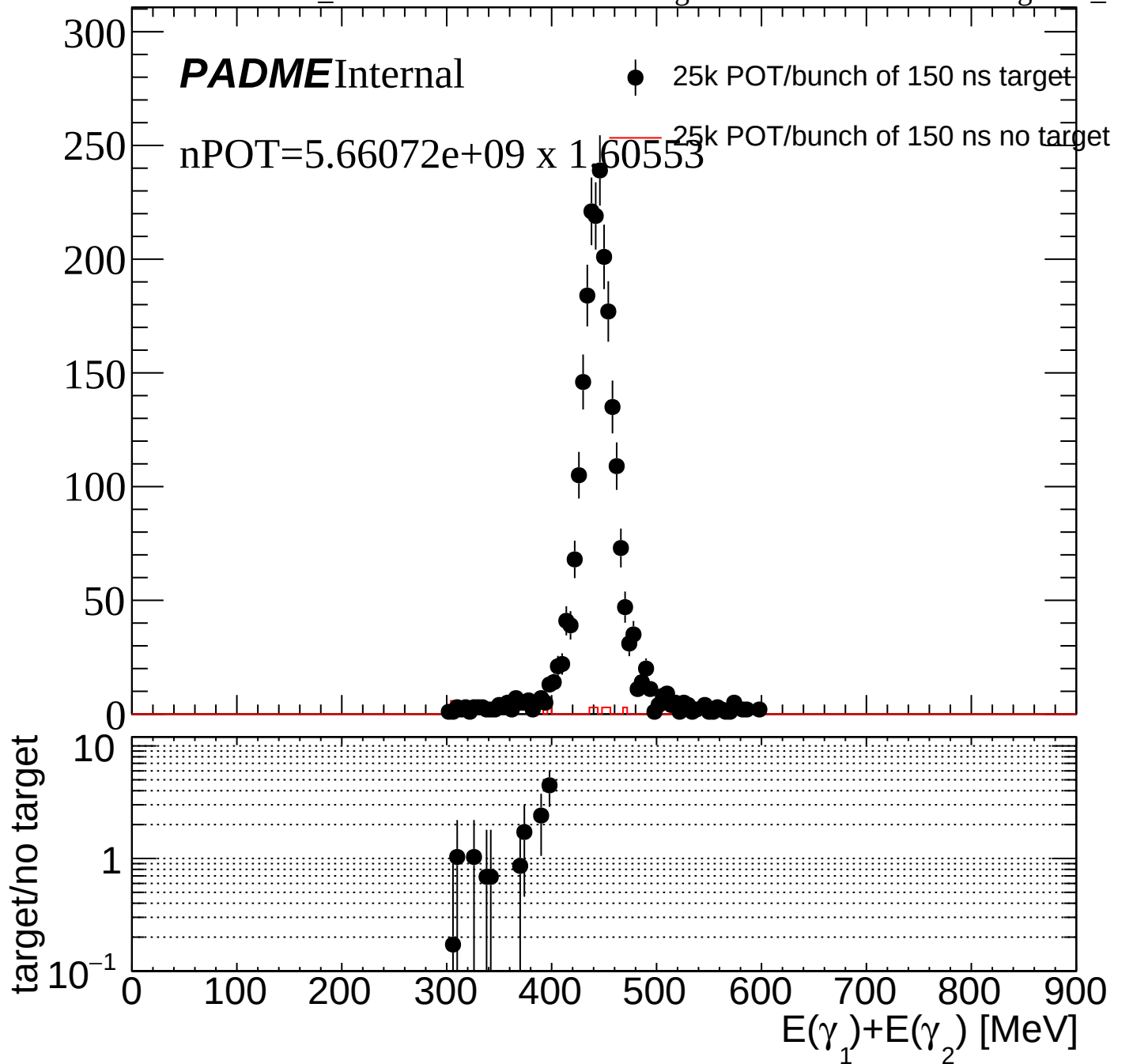




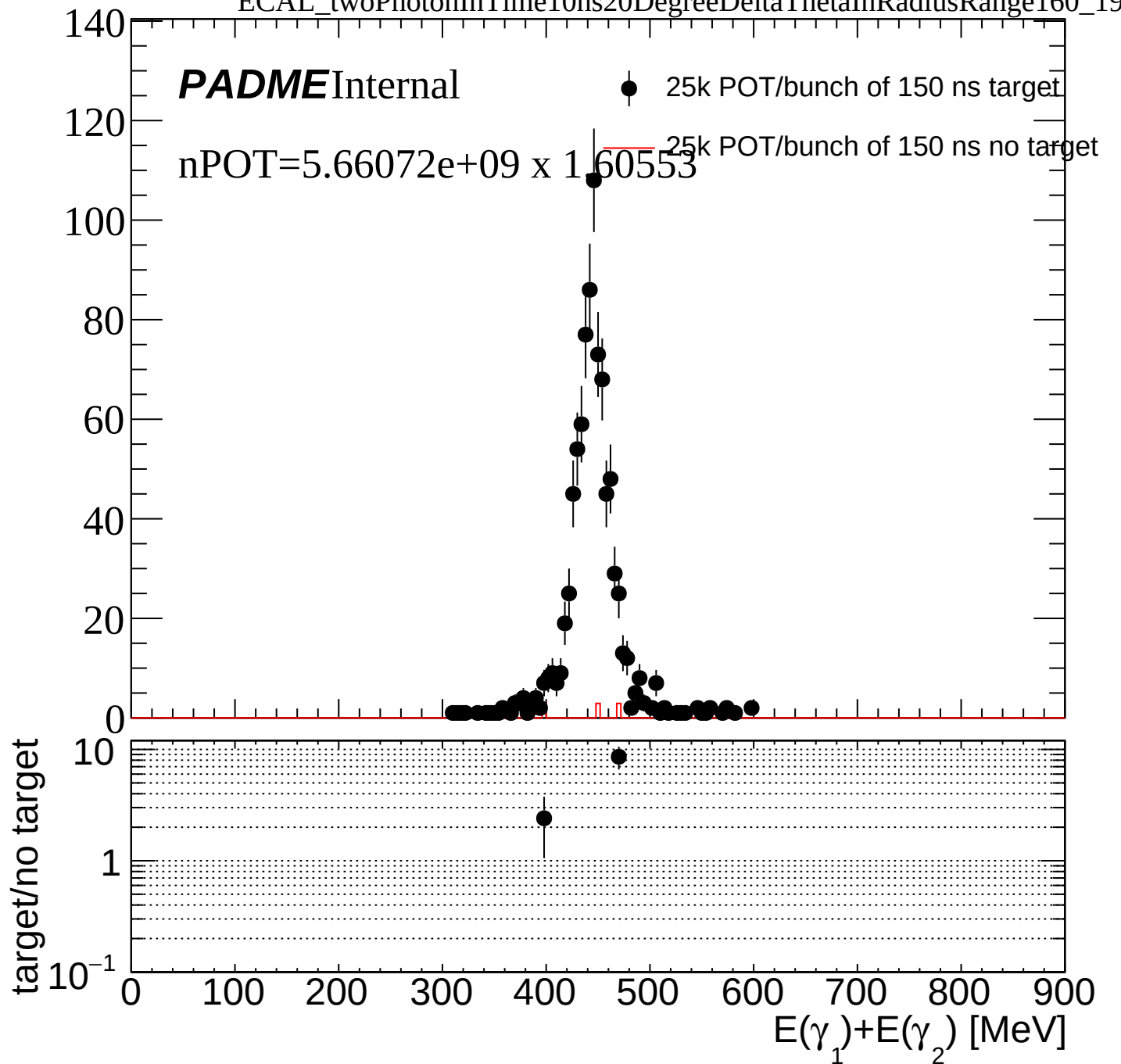


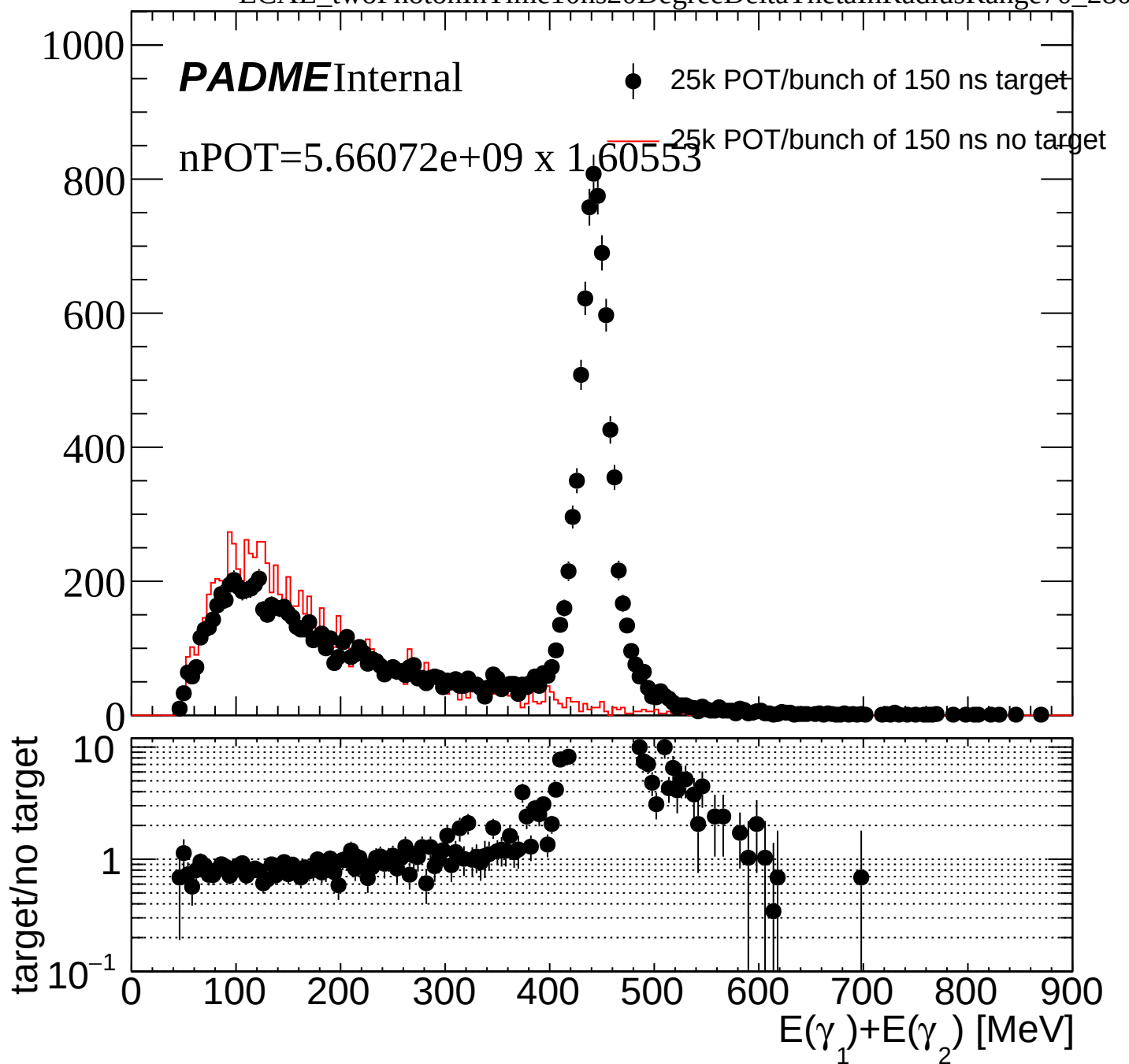


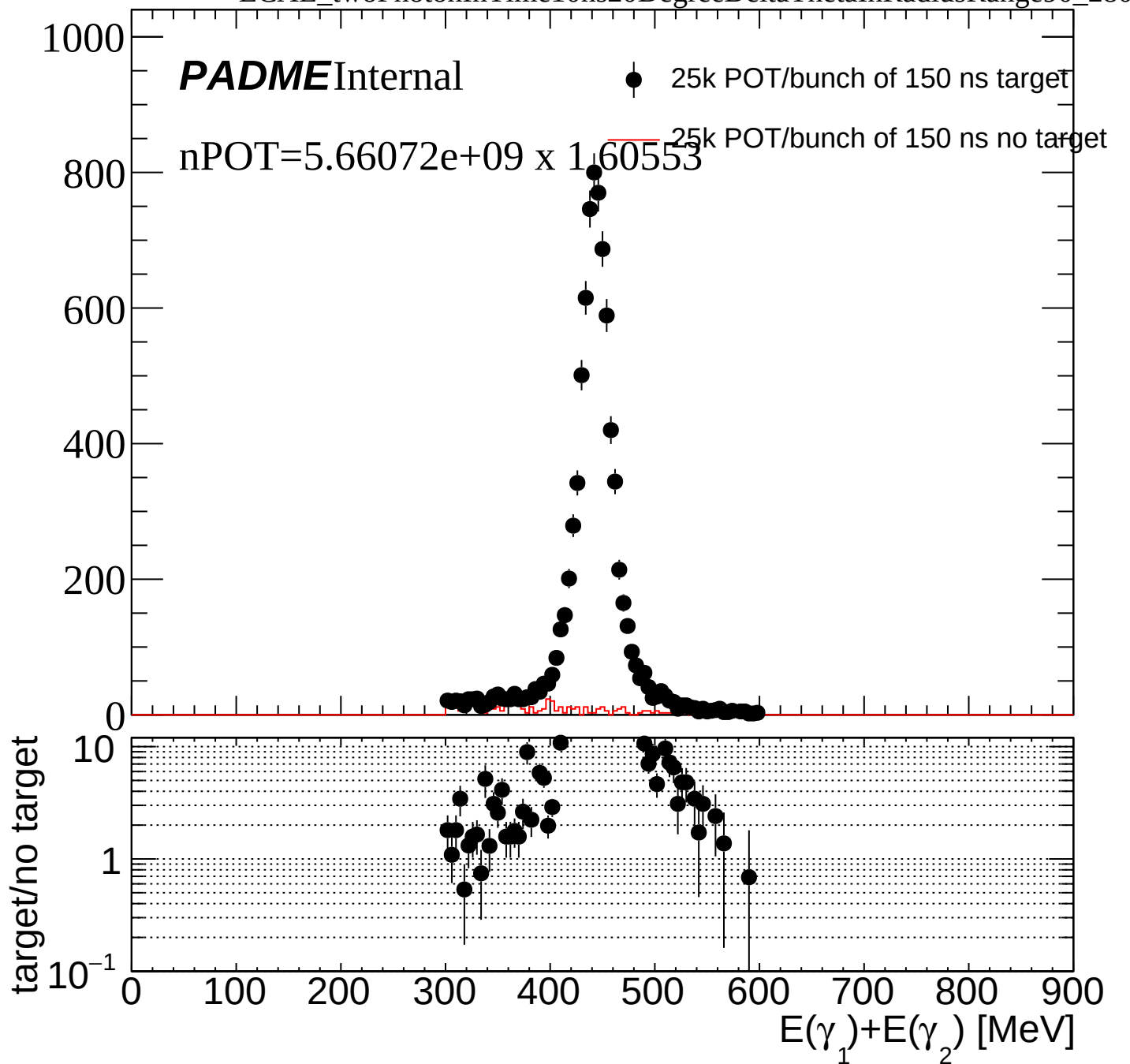


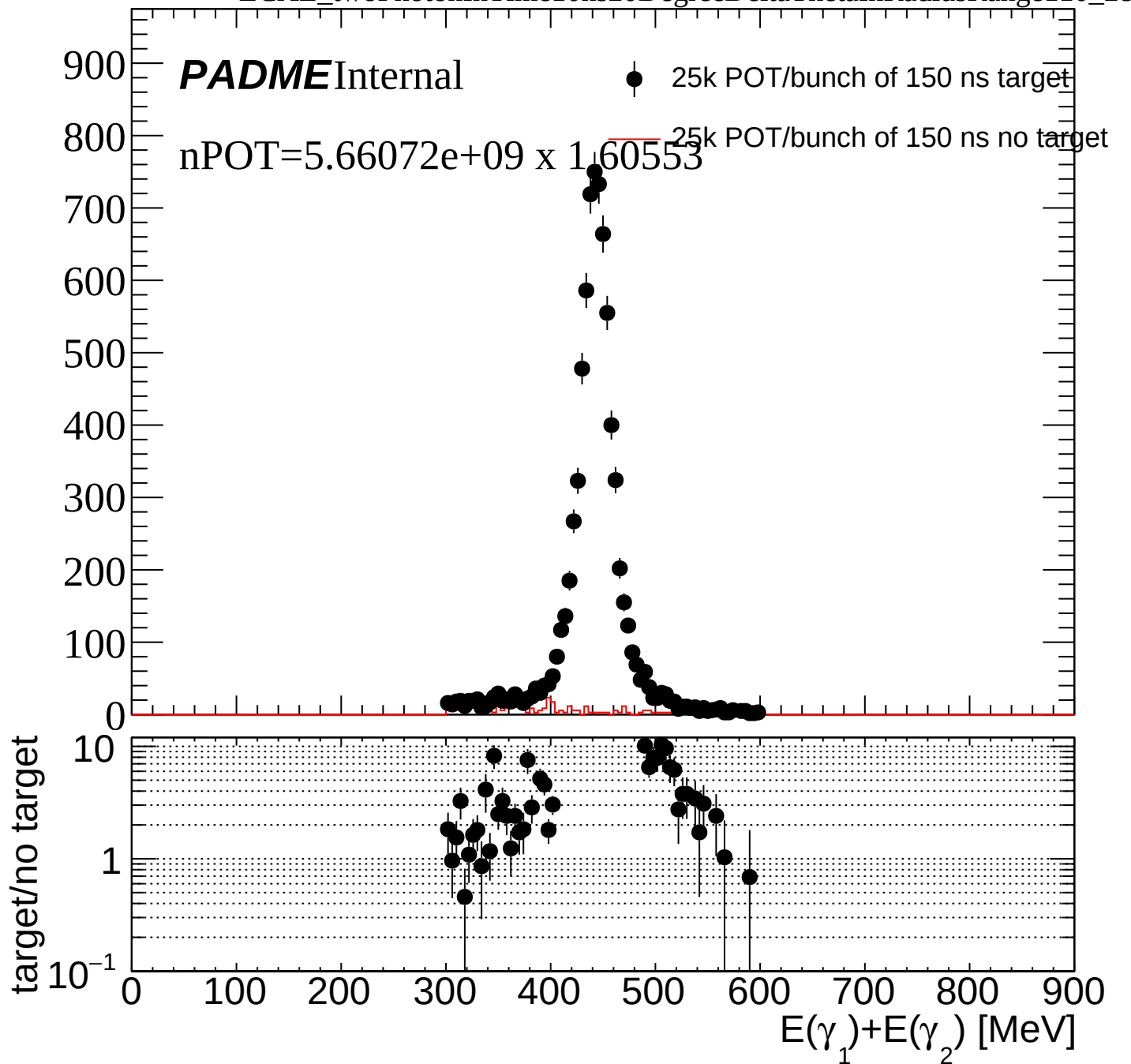


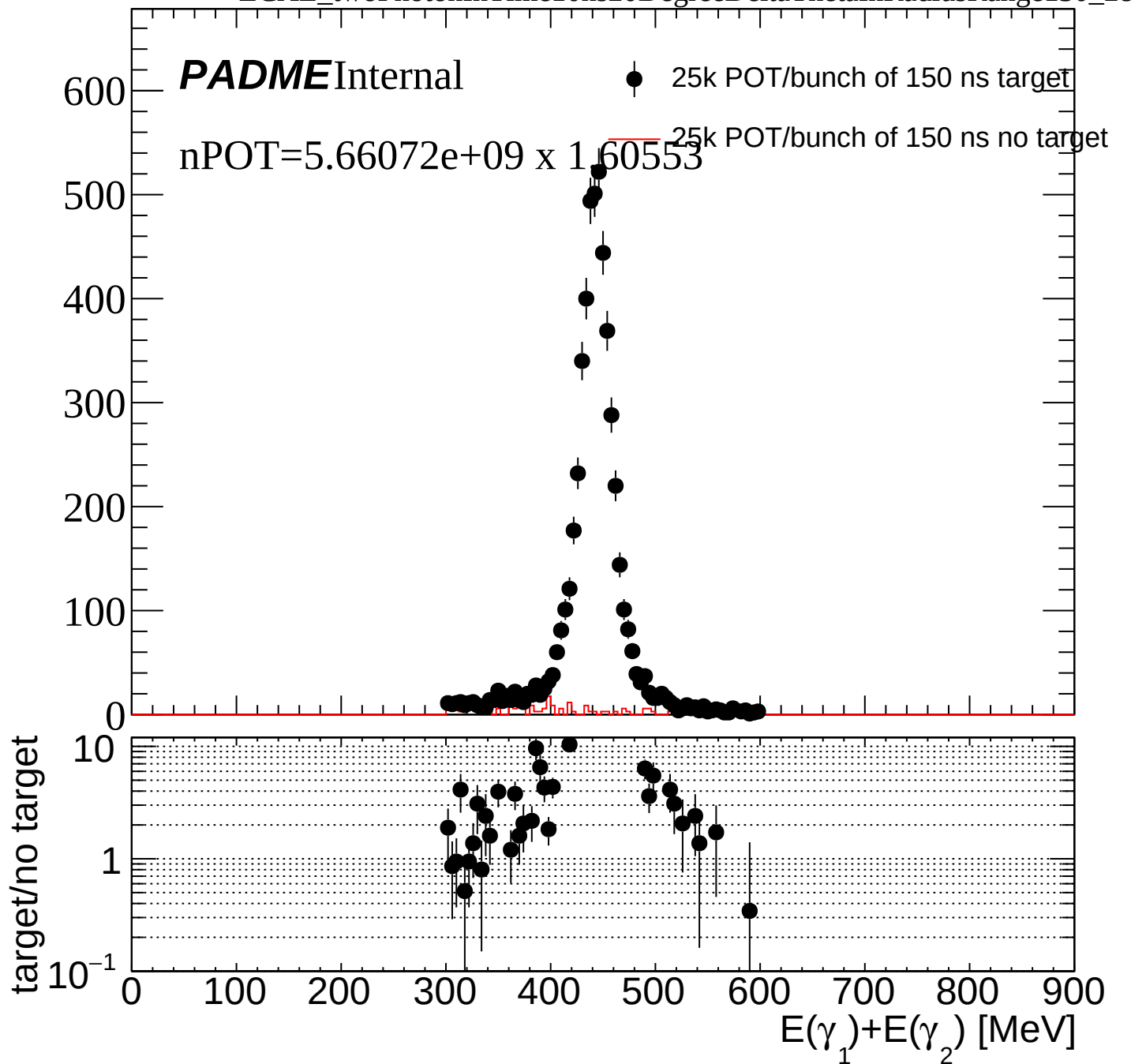


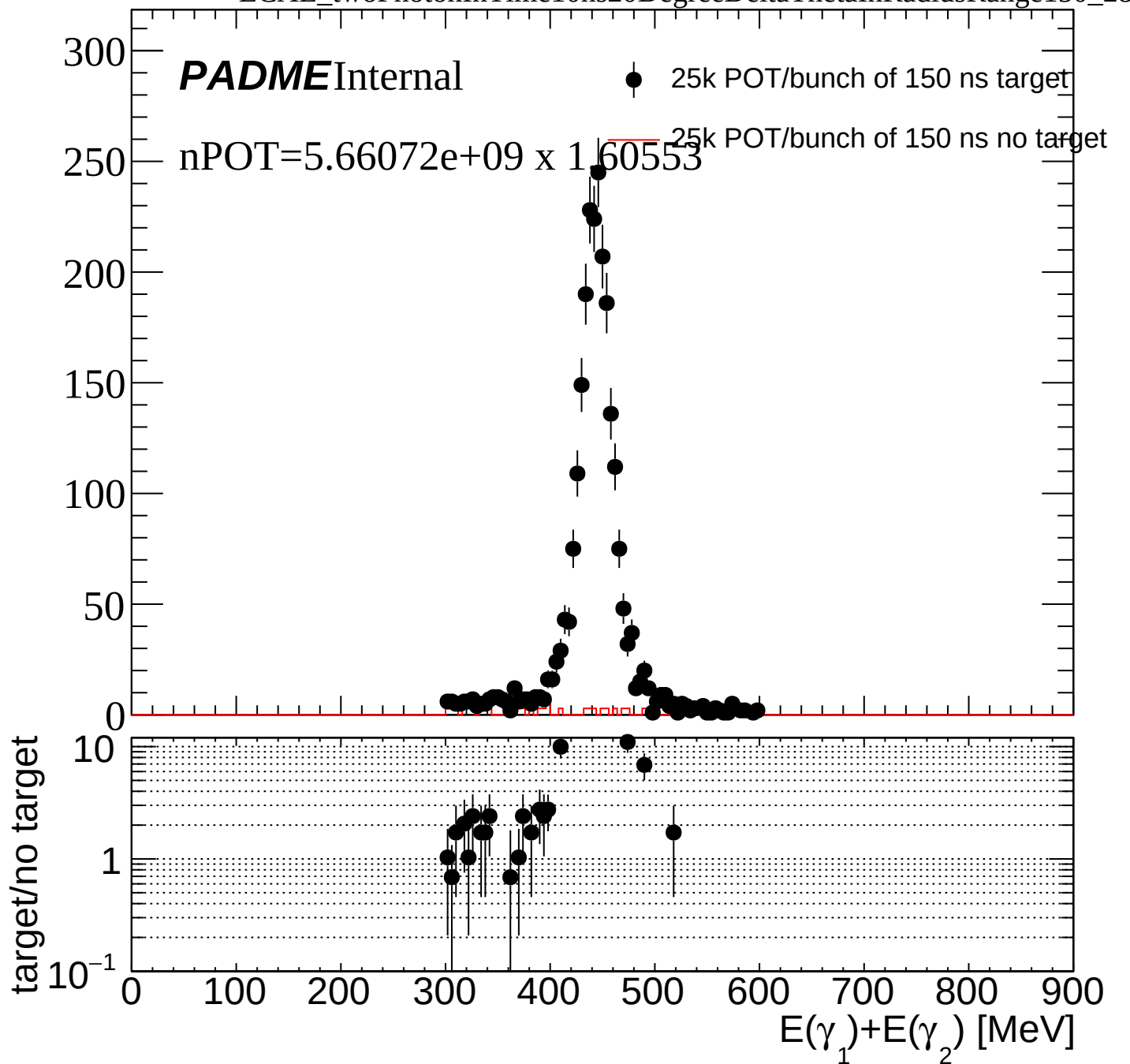


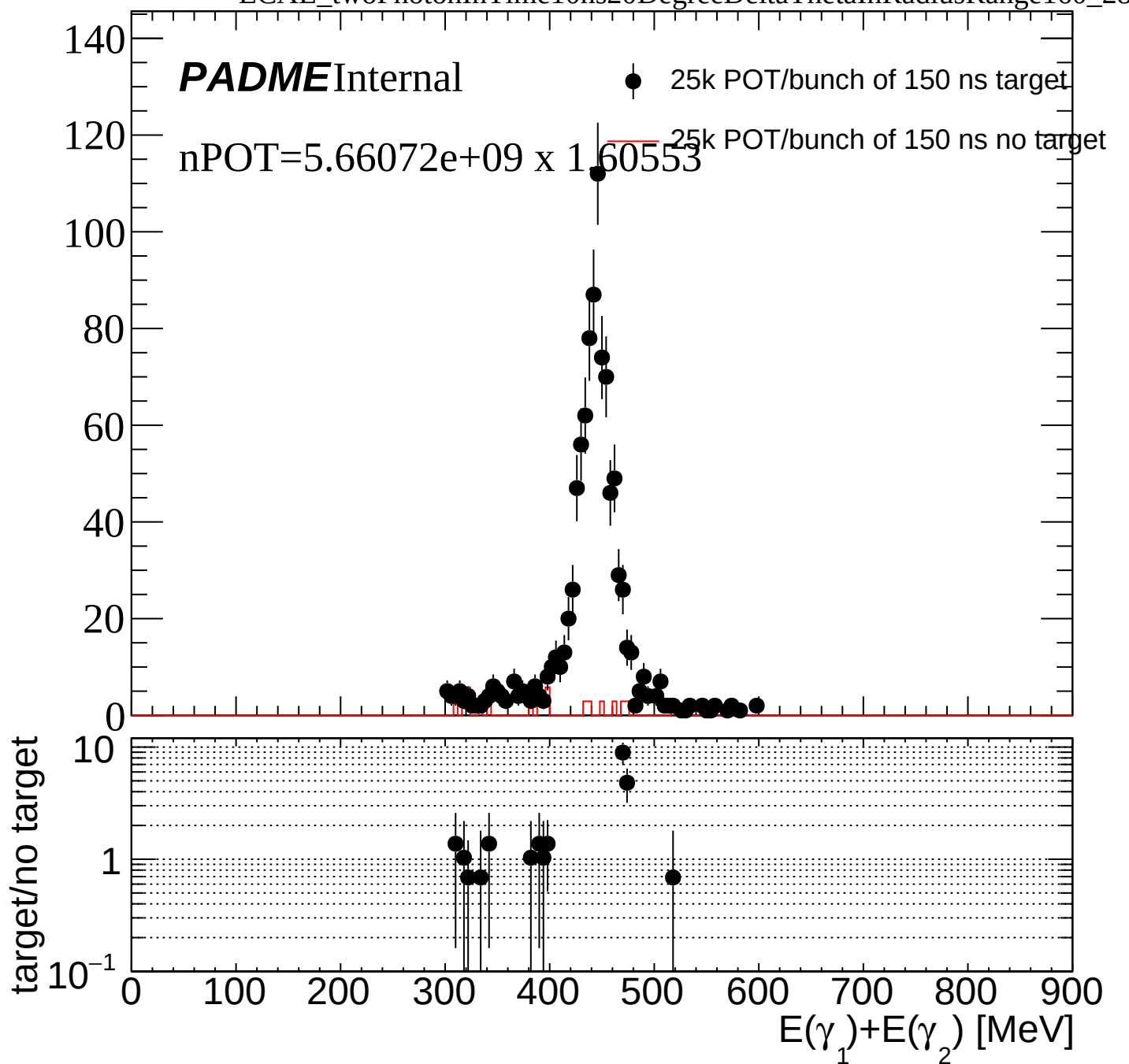










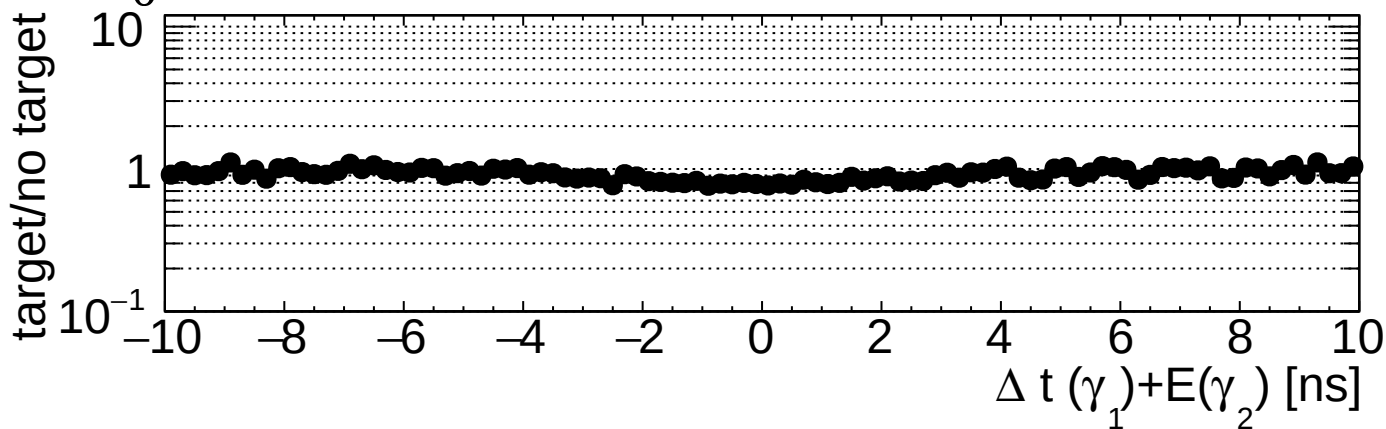


ECAL\_dTime\_10ns

**PADME**Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target  
— 25k POT/bunch of 150 ns no target





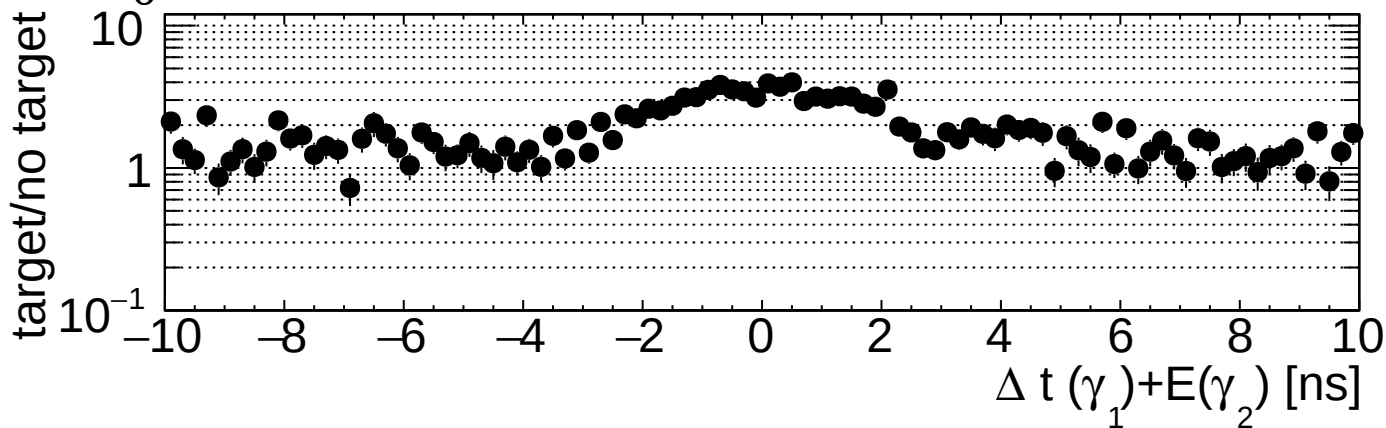
ECAL\_dTime\_10ns\_UnderPeakEThr90

***PADME***Internal

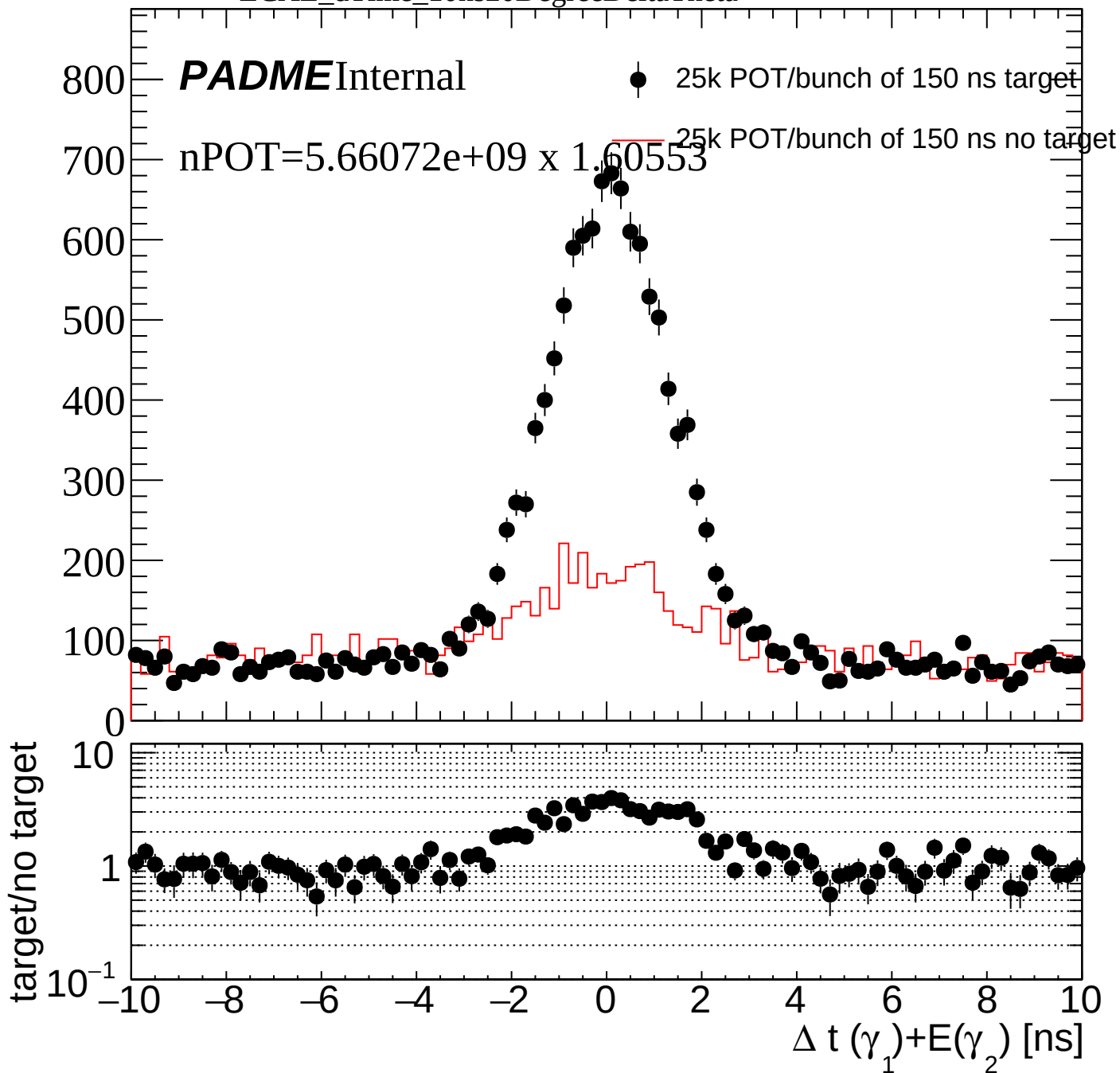
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



ECAL\_dTime\_10ns20DegreeDeltaTheta



ECAL\_dTime\_10ns20DegreeDeltaThetaUnderPeakEThr90

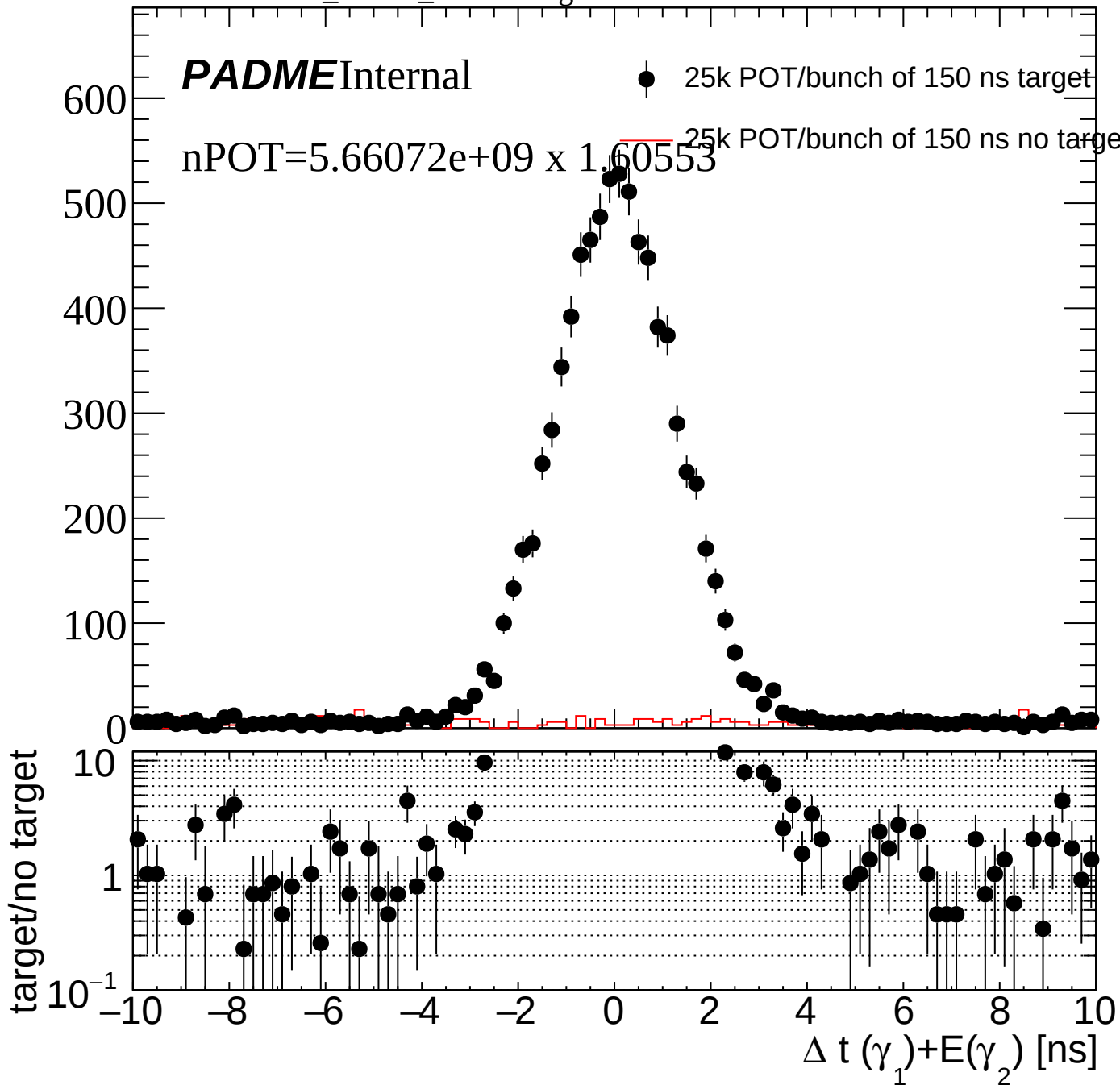
***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target



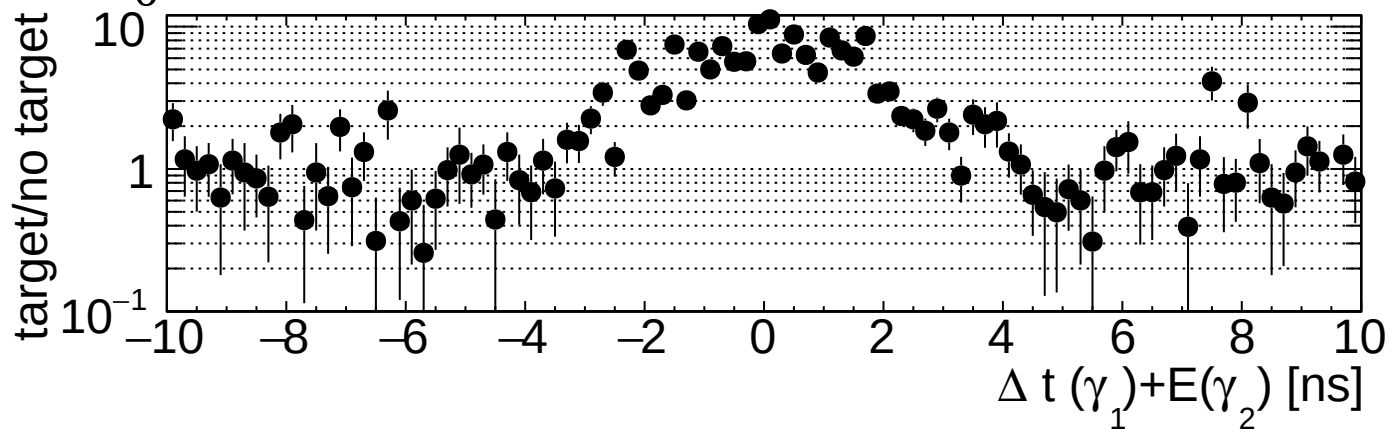
ECAL\_dTime\_10ns5DegreeDeltaTheta

***PADME***Internal

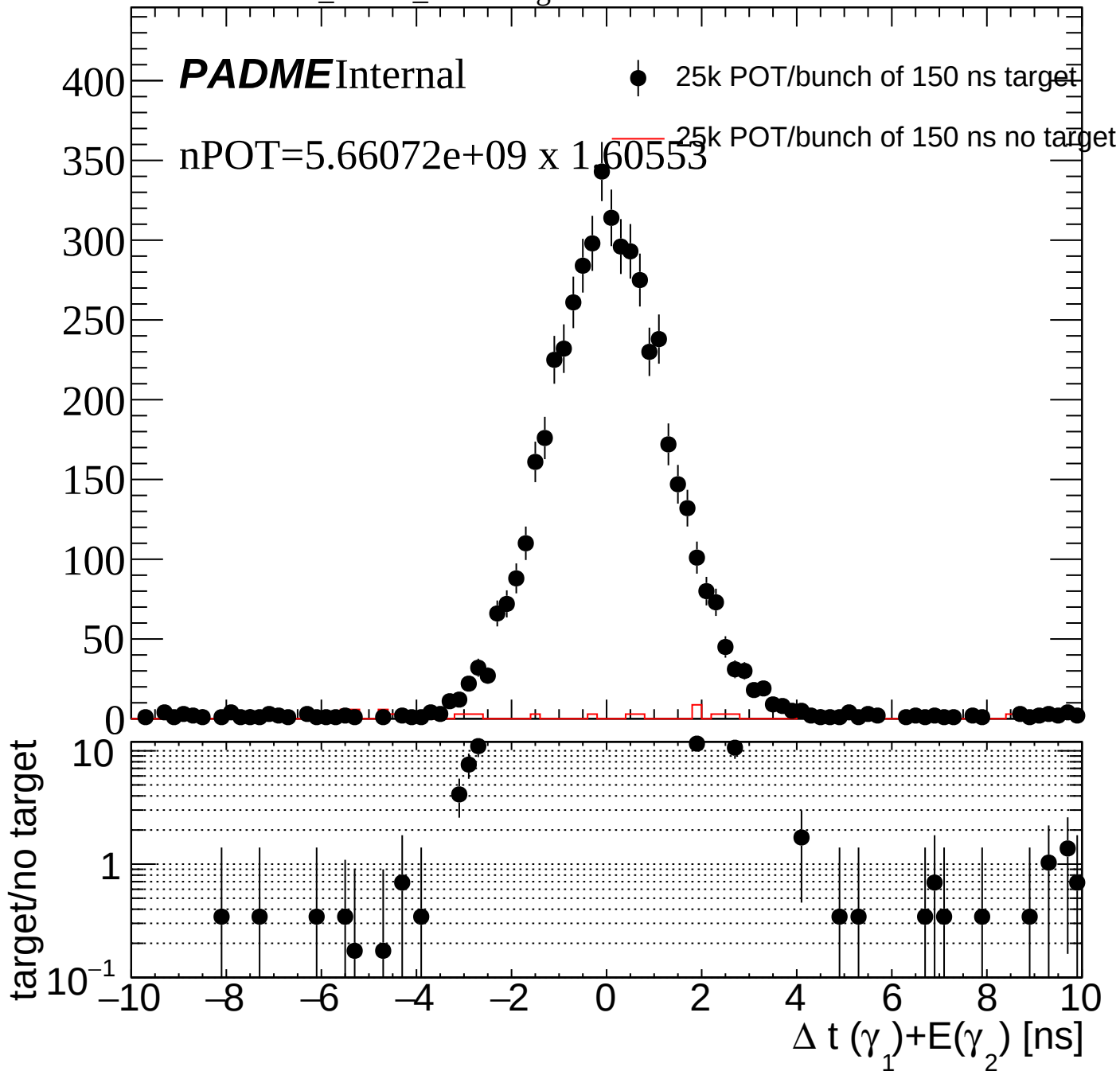
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



ECAL\_dTime\_10ns5DegreeDeltaThetaUnderPeakEThr90



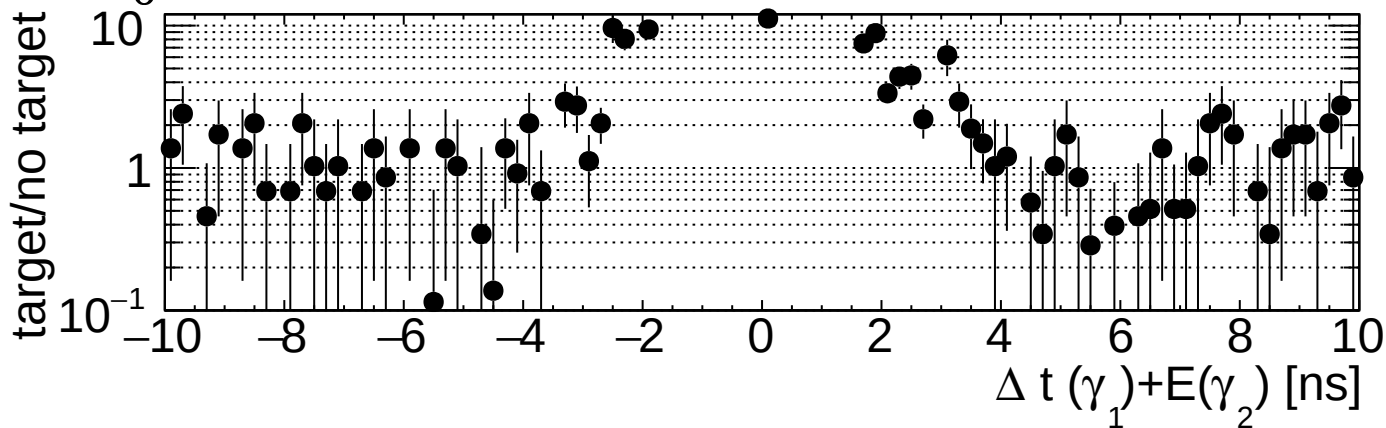
ECAL\_dTime\_10ns1CoG

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



ECAL\_dTime\_10ns1CoGUnderPeakEThr90

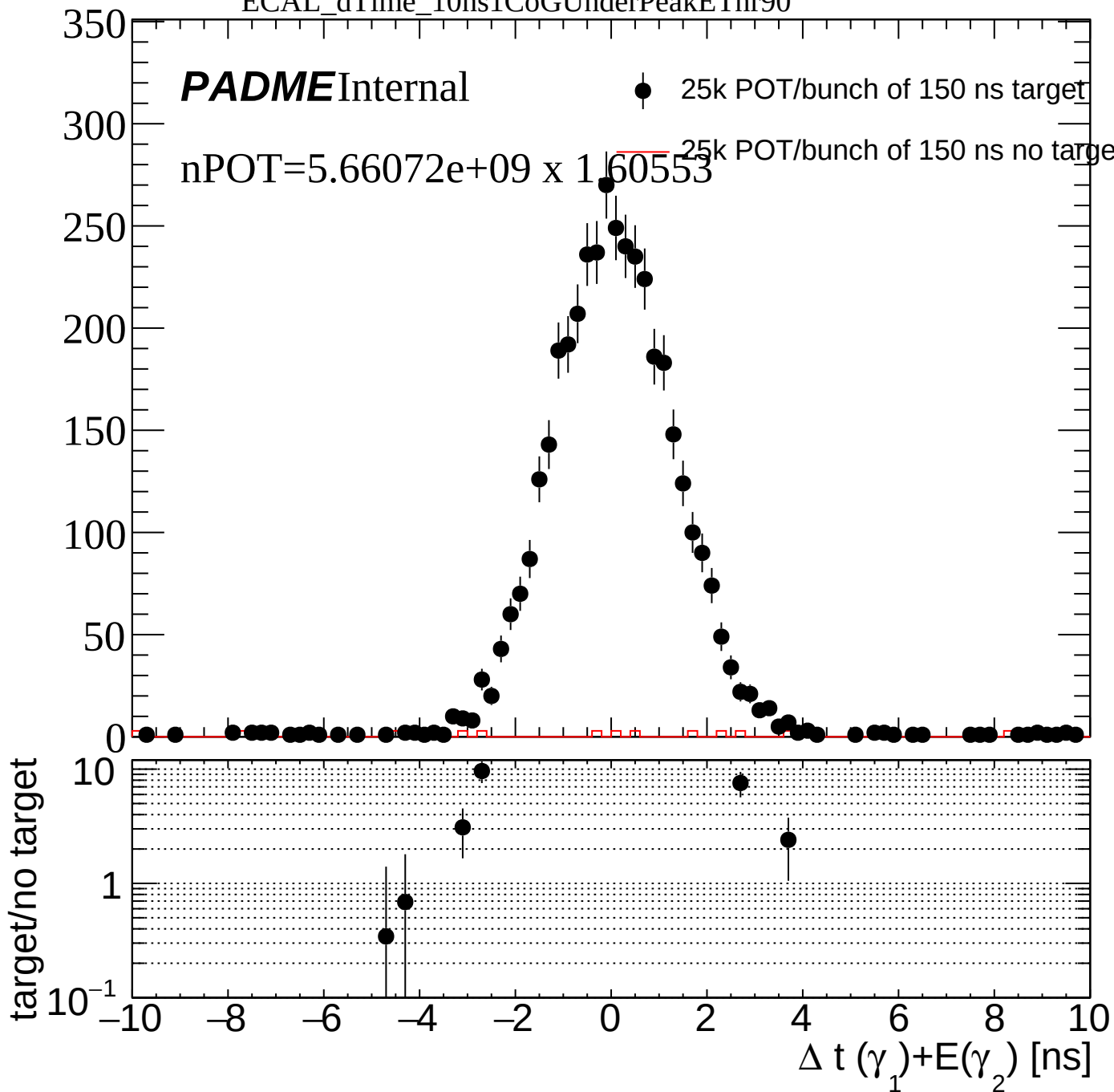
***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target



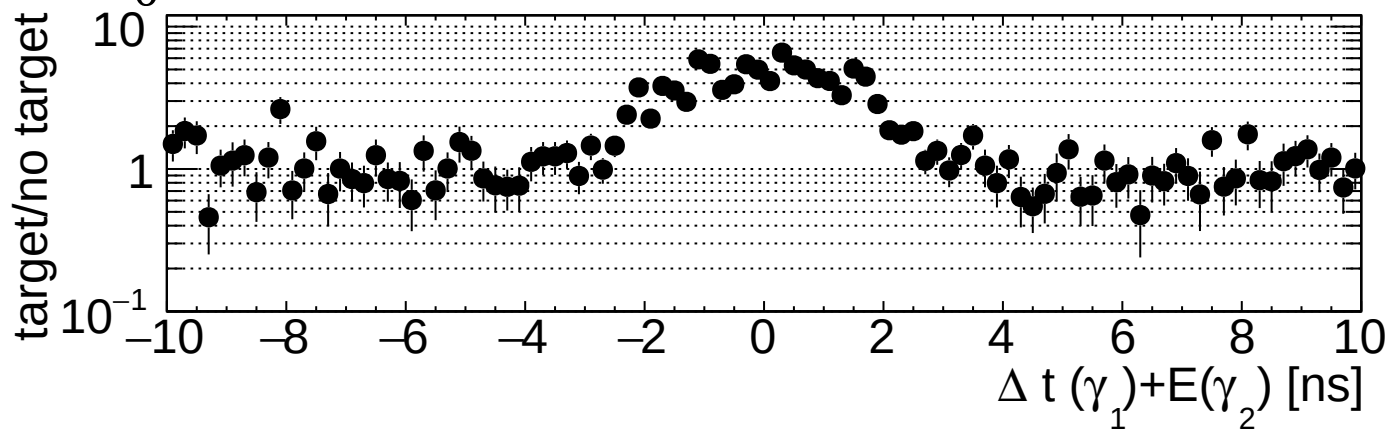
ECAL\_dTime\_10ns3CoG

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

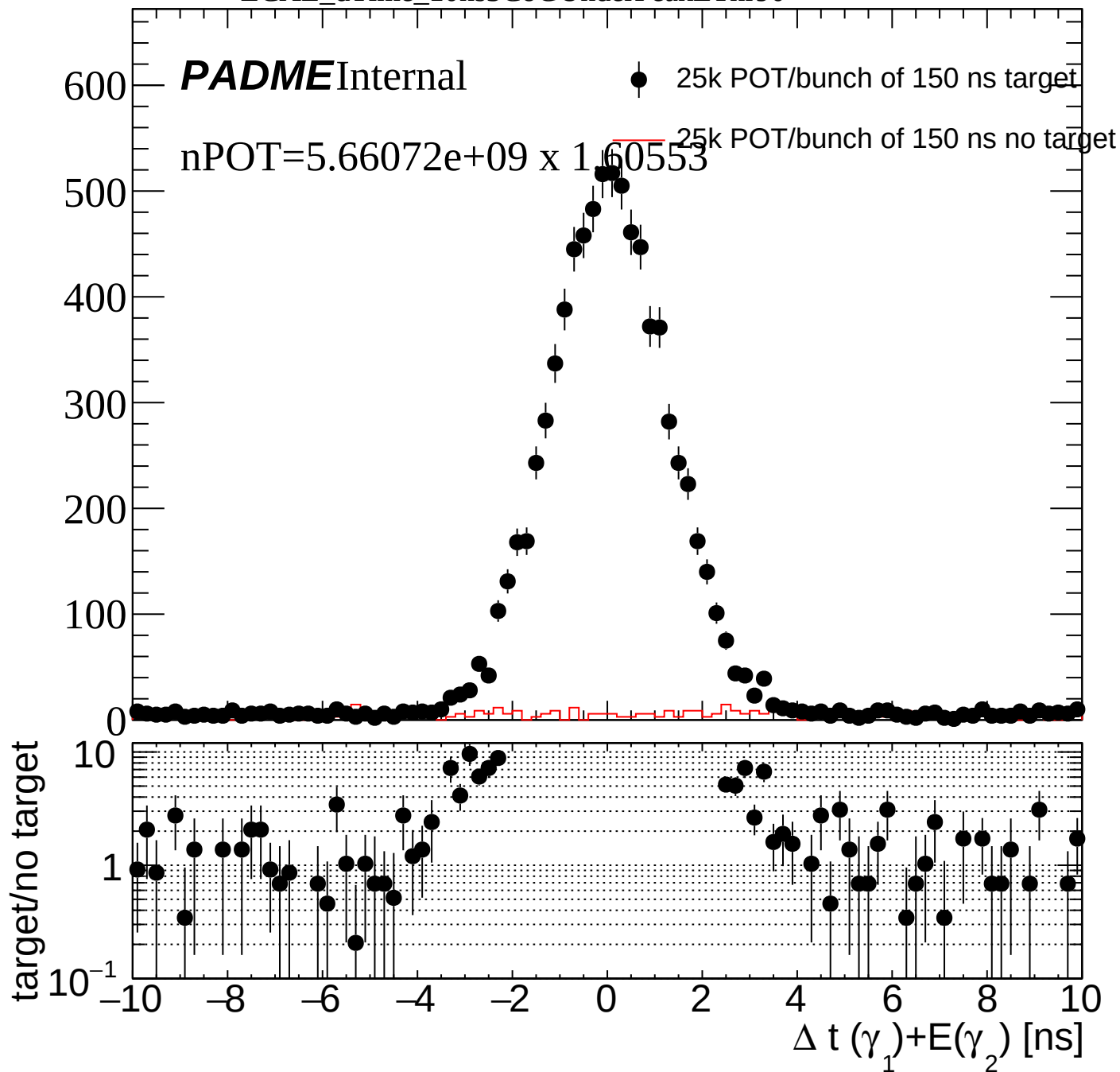
25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target





ECAL\_dTime\_10ns3CoGUnderPeakEThr90



ECAL\_dTime\_10ns5CoG

1000

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

800

600

400

200

0

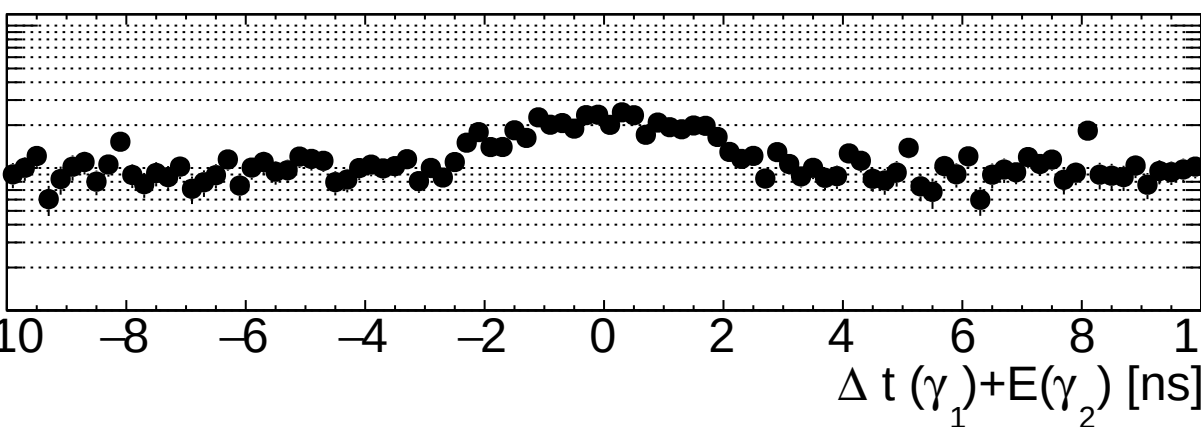
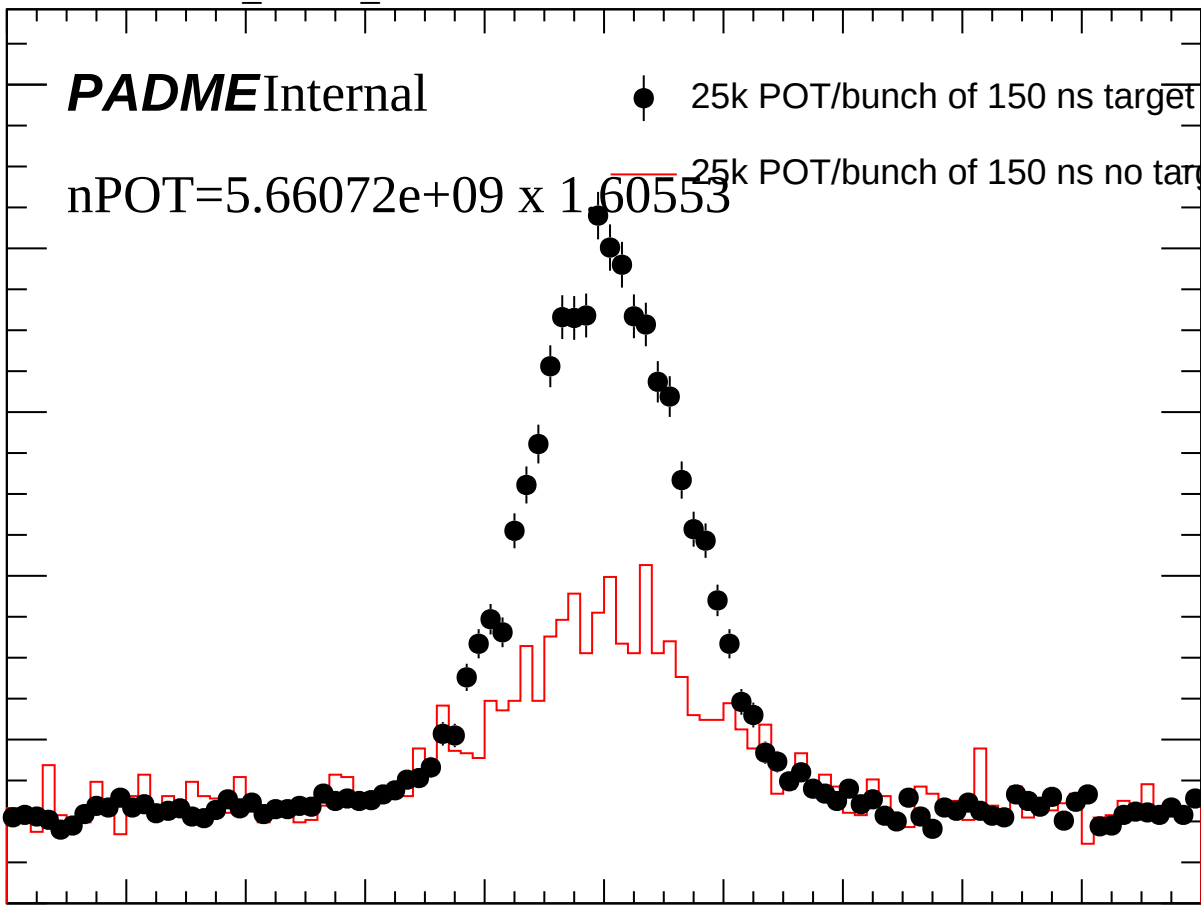
target/no target

10

1

10<sup>-1</sup>

$\Delta t(\gamma_1) + E(\gamma_2)$  [ns]



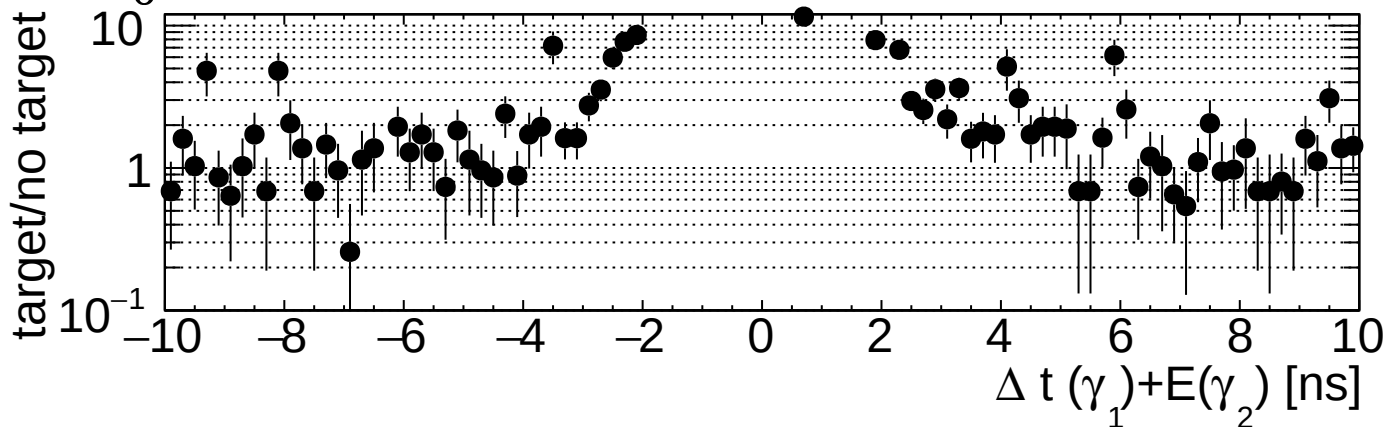
ECAL\_dTime\_10ns5CoGUnderPeakEThr90

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



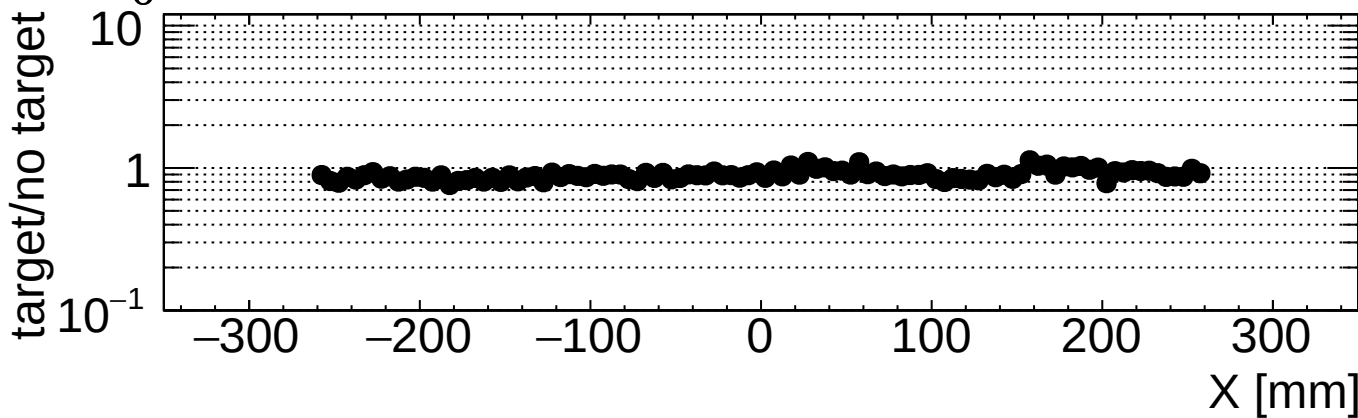
ECAL\_Xgg\_10ns

***PADME***Internal

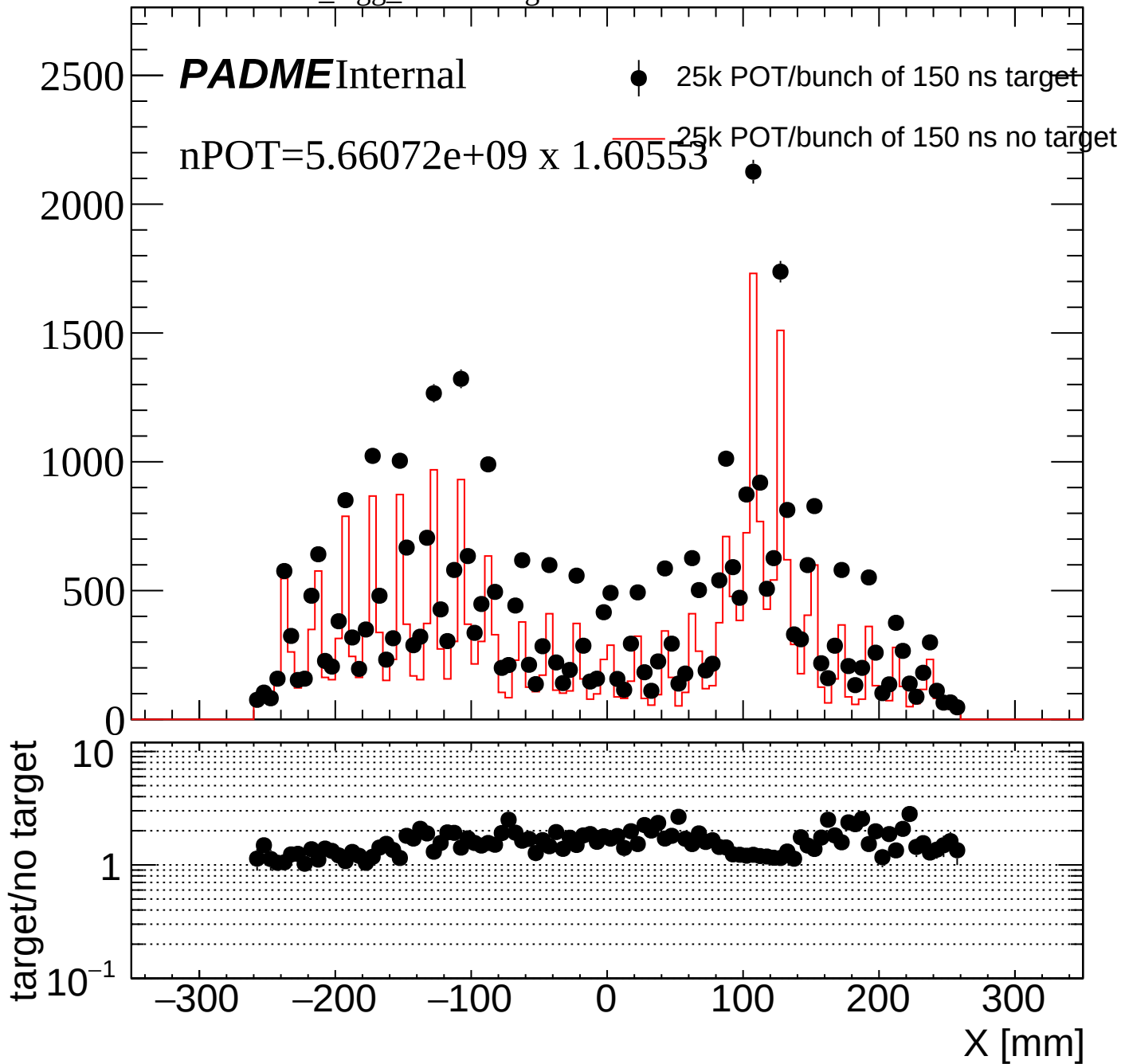
nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

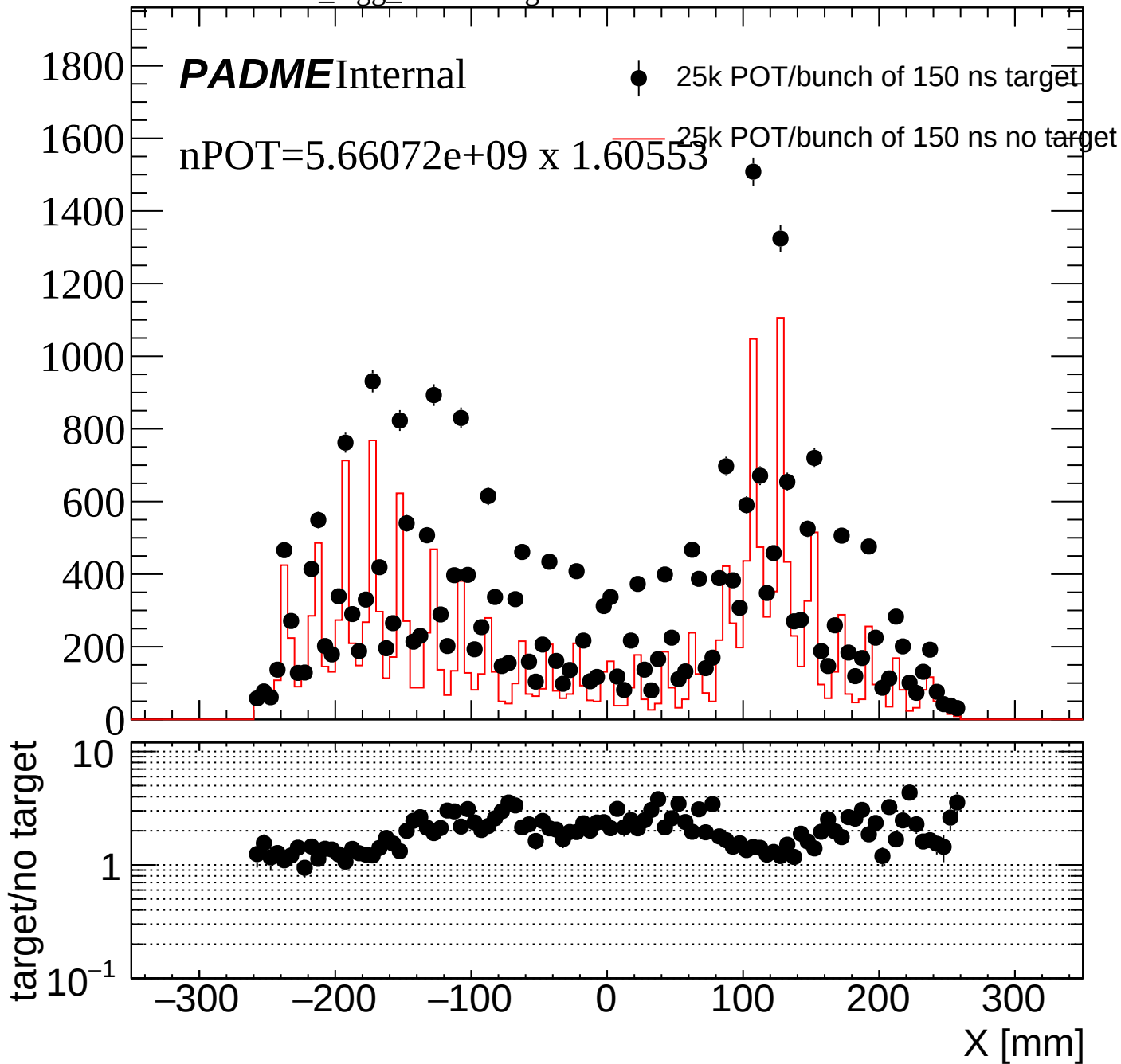
— 25k POT/bunch of 150 ns no target



ECAL\_Xgg\_10ns20Degree



ECAL\_Xgg\_10ns20DegreeDeltaTheta



ECAL\_Xgg\_10ns5DegreeDeltaTheta

***PADME***Internal

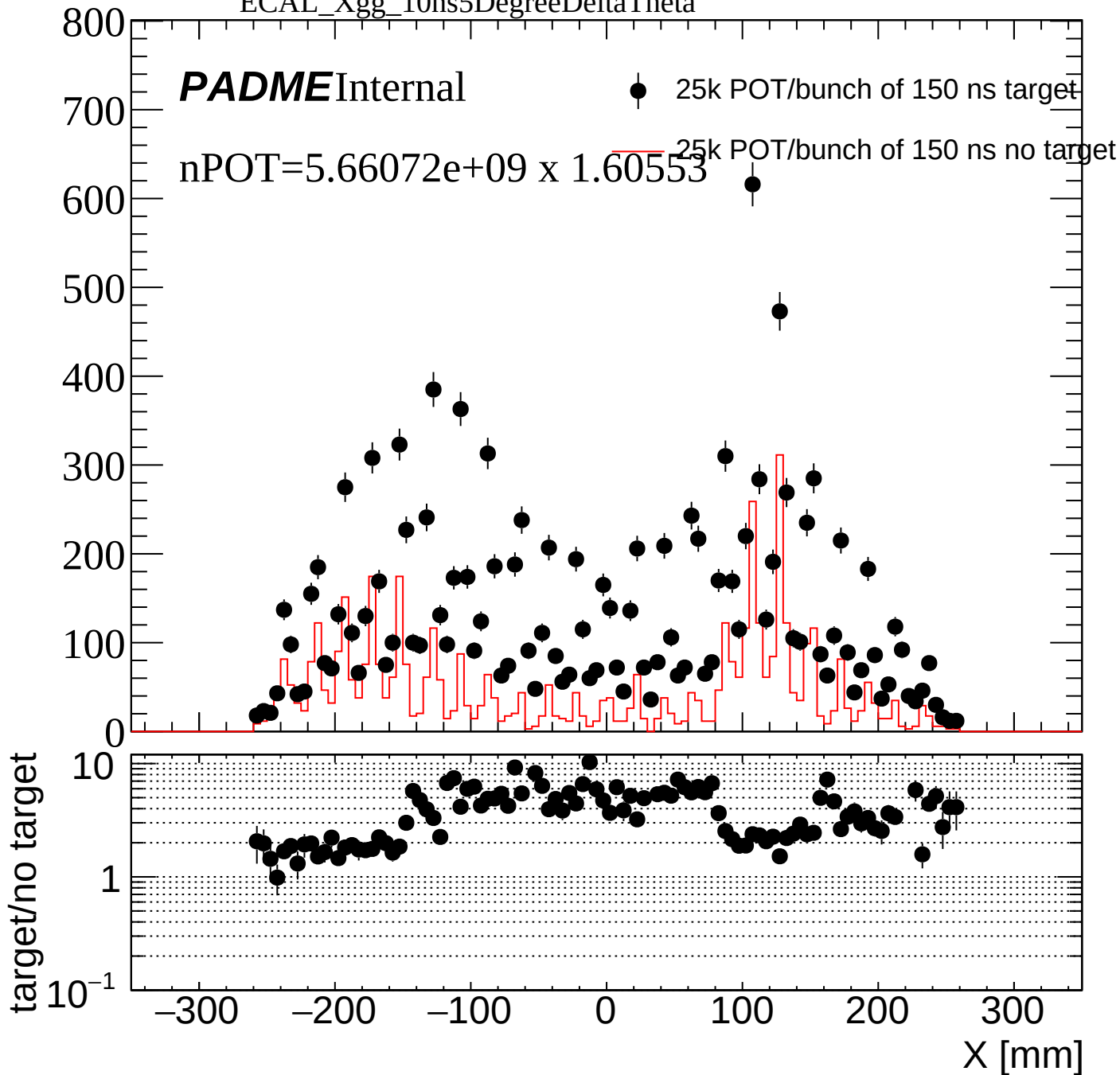
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]



ECAL\_Xgg\_10ns20DegreeDeltaThetaUnderPeak

***PADME***Internal

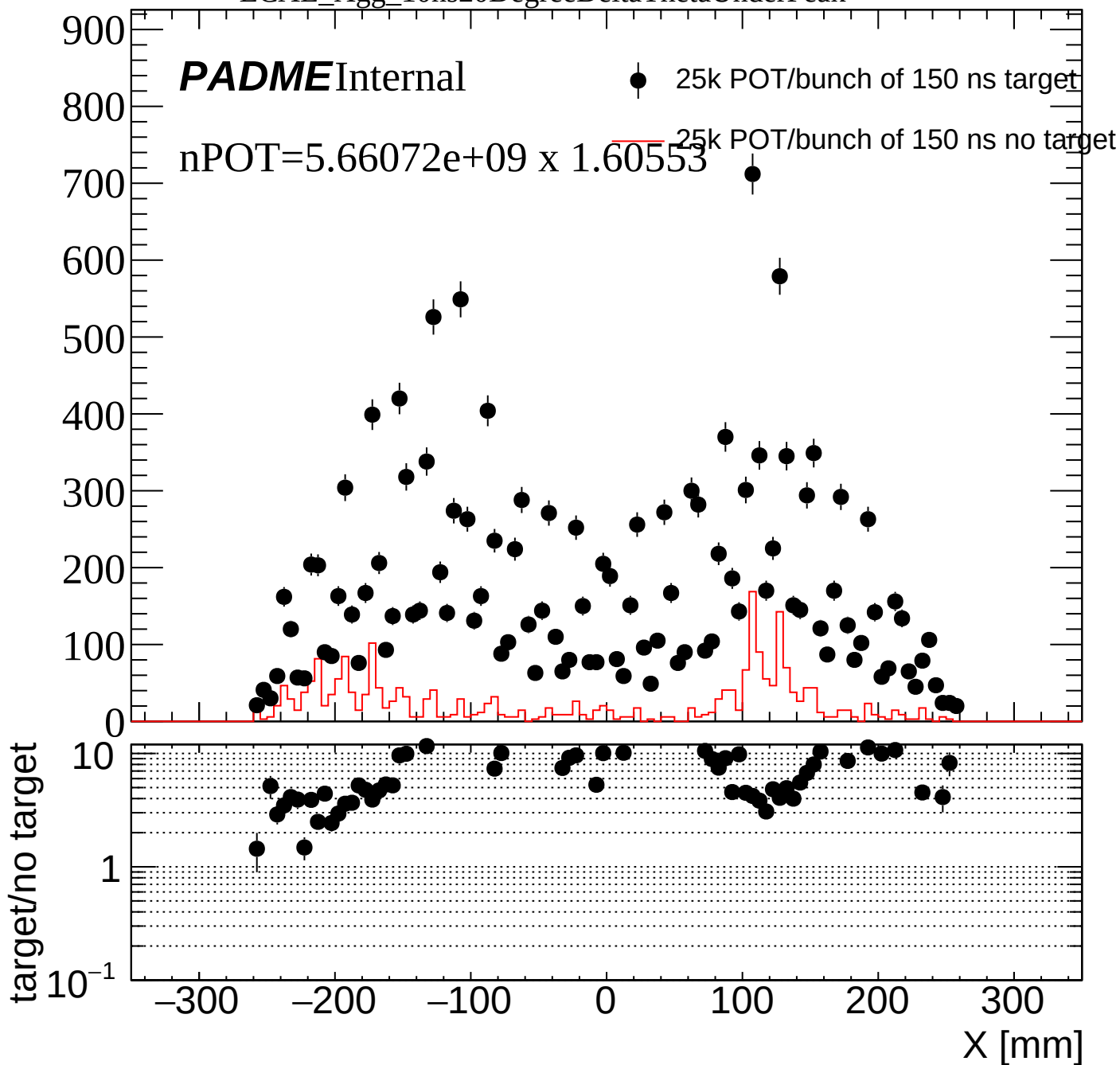
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]





ECAL\_Xgg\_10ns5DegreeDeltaThetaUnderPeak

***PADME***Internal

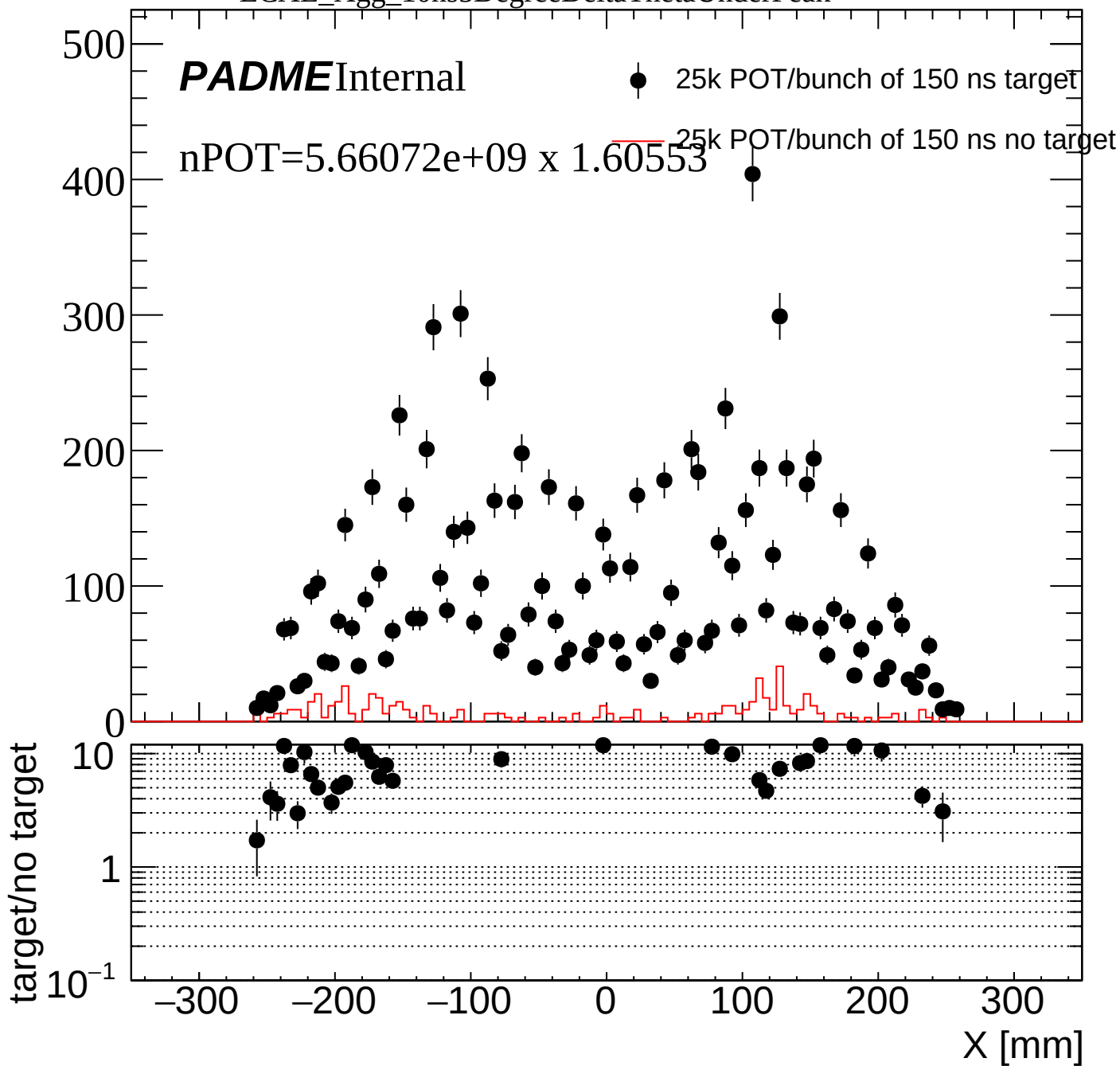
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]



ECAL\_Xgg\_10ns20DegreeDeltaThetaUnderPeakEThr90

***PADME***Internal

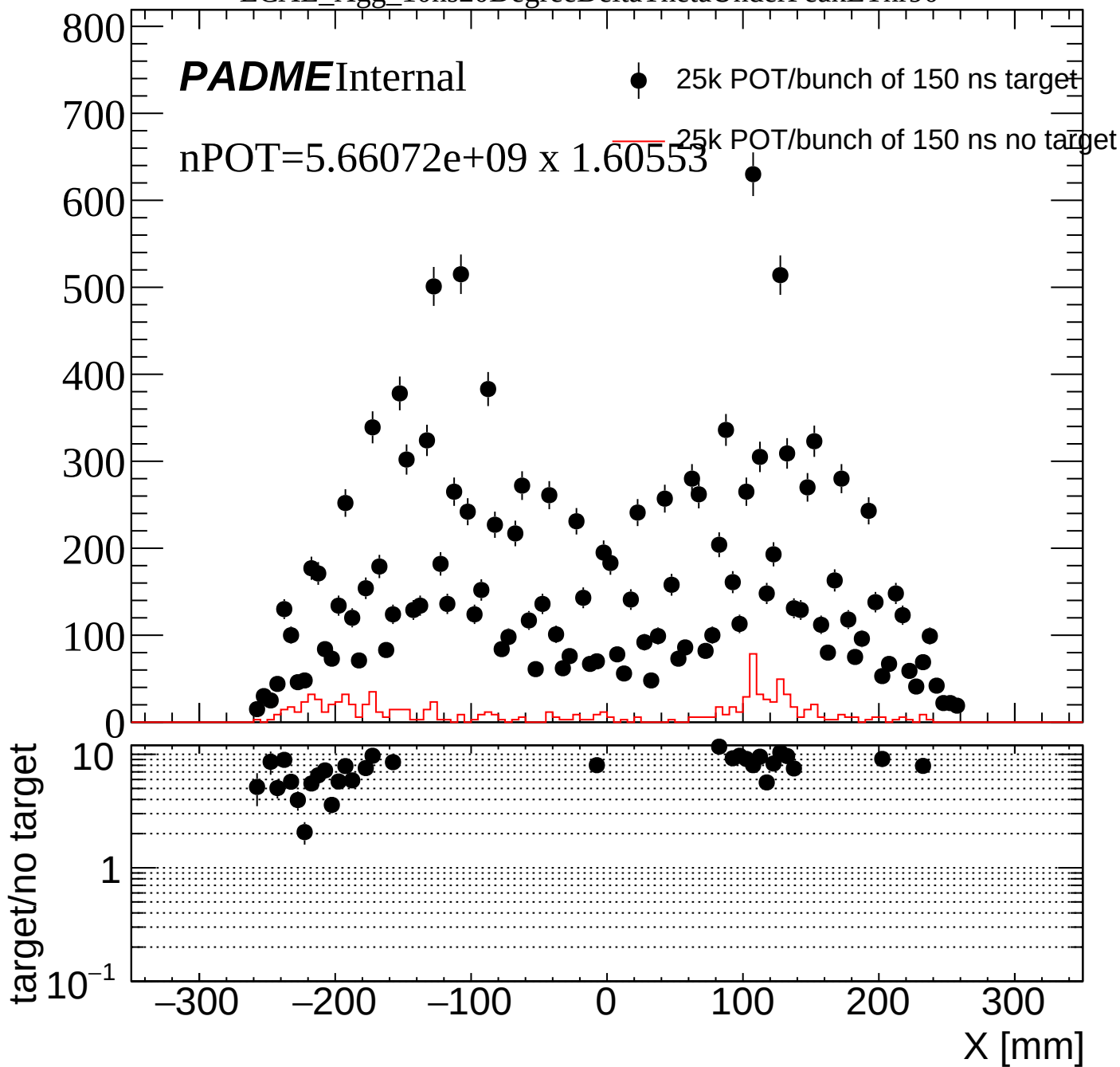
nPOT=5.66072e+09 x 1.60553

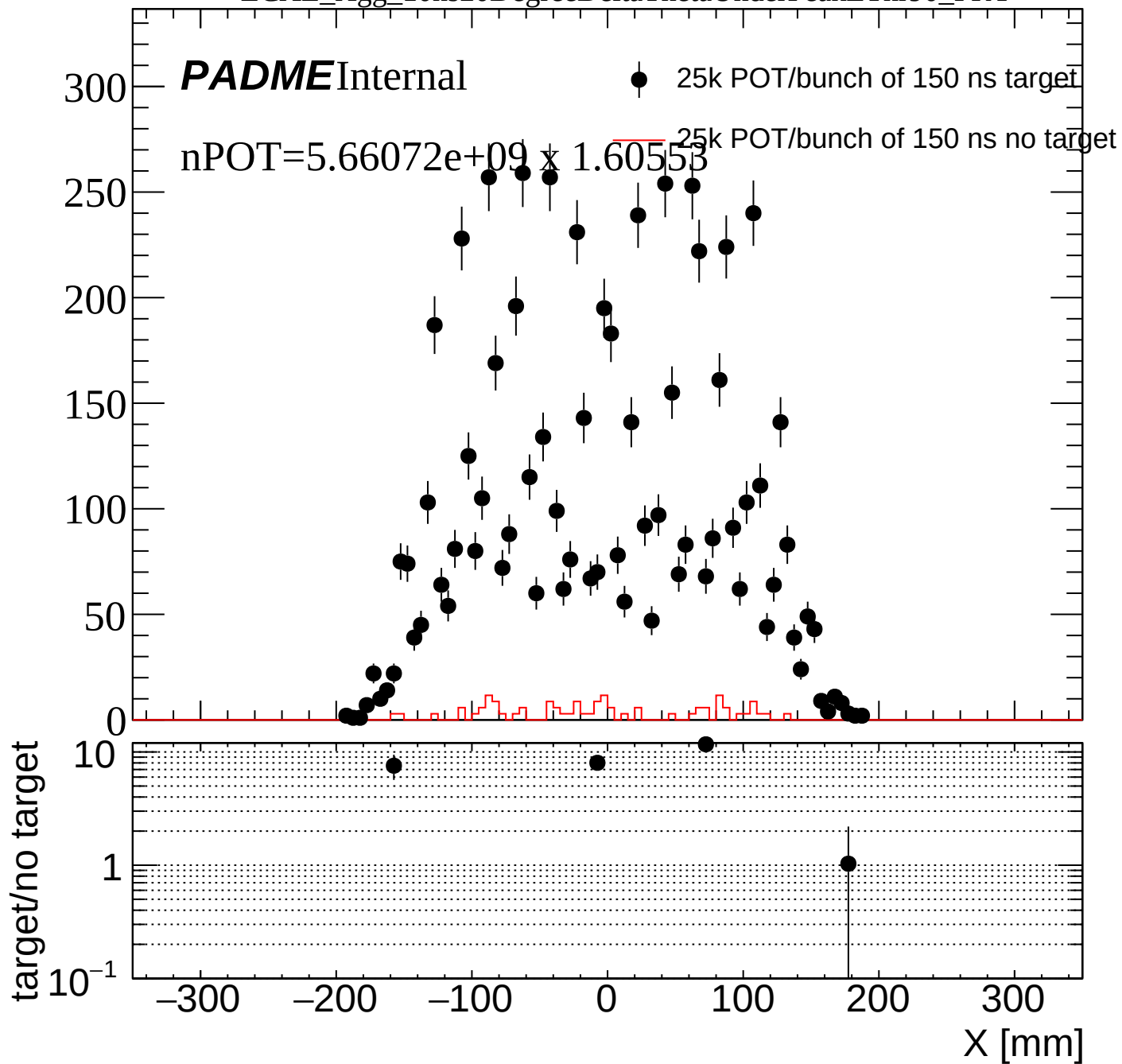
25k POT/bunch of 150 ns target

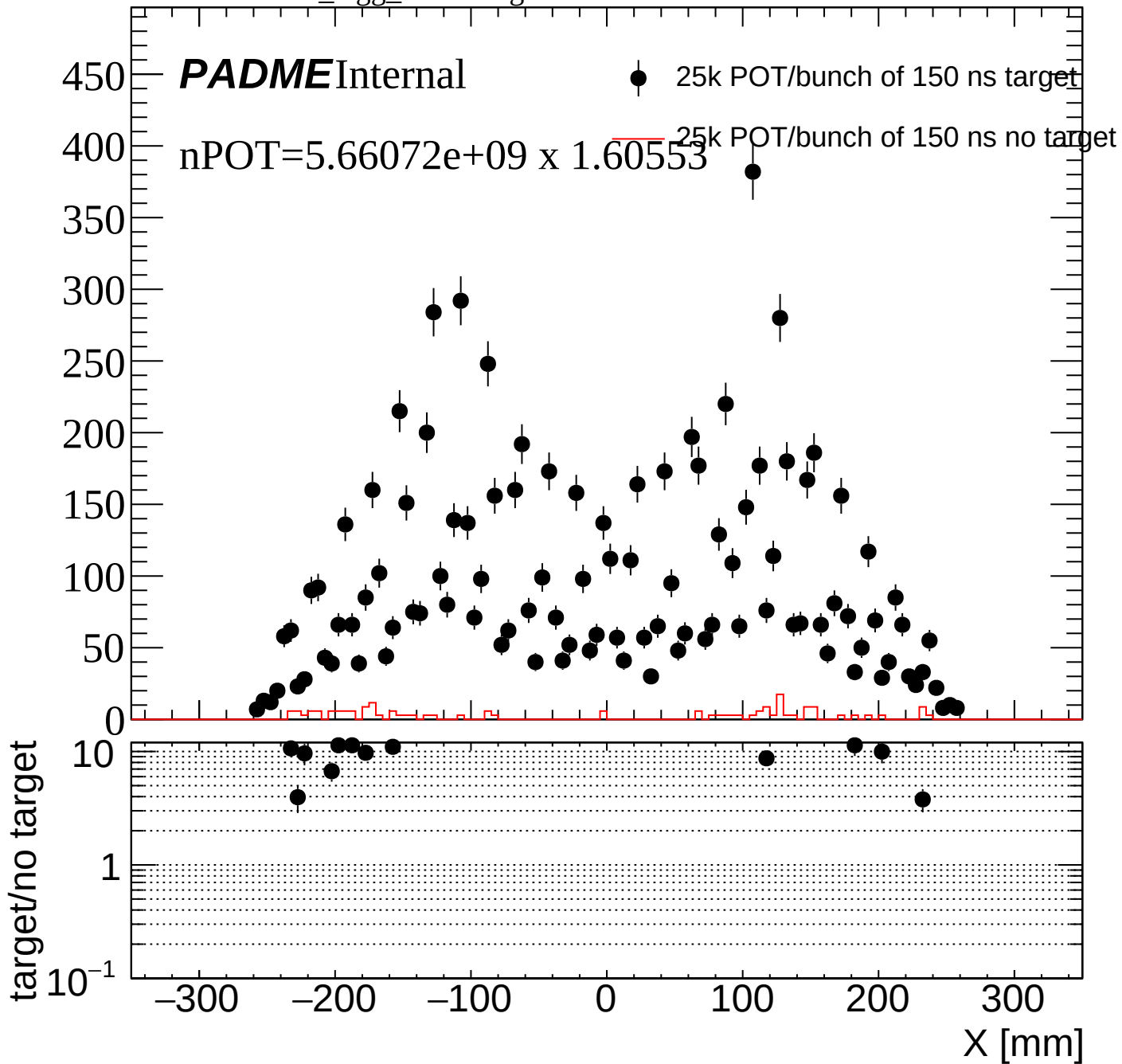
25k POT/bunch of 150 ns no target

target/no target

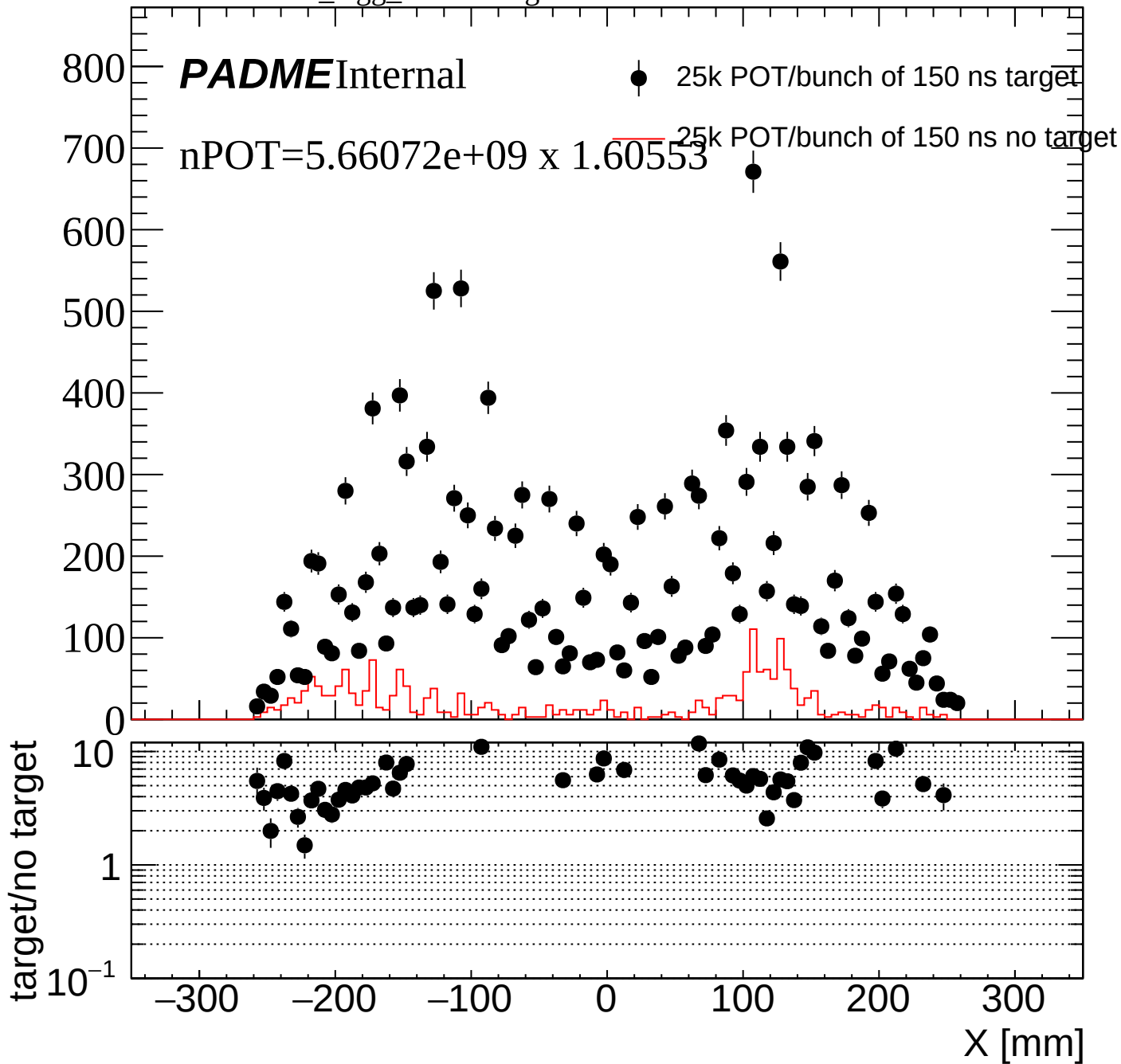
X [mm]







ECAL\_Xgg\_10ns20DegreeDeltaThetaEThr90



ECAL\_Xgg\_10ns5DegreeDeltaThetaEThr90

***PADME***Internal

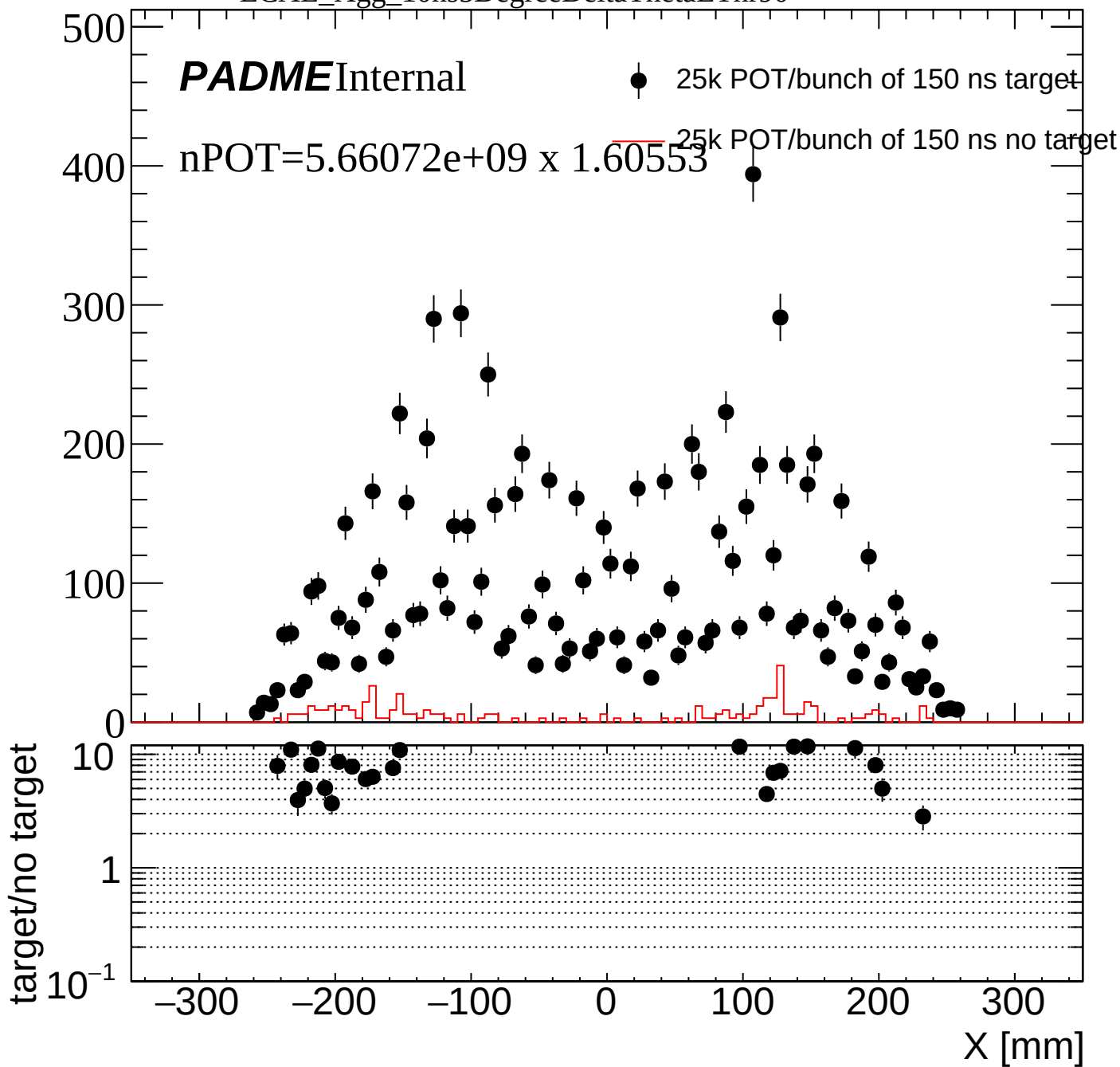
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

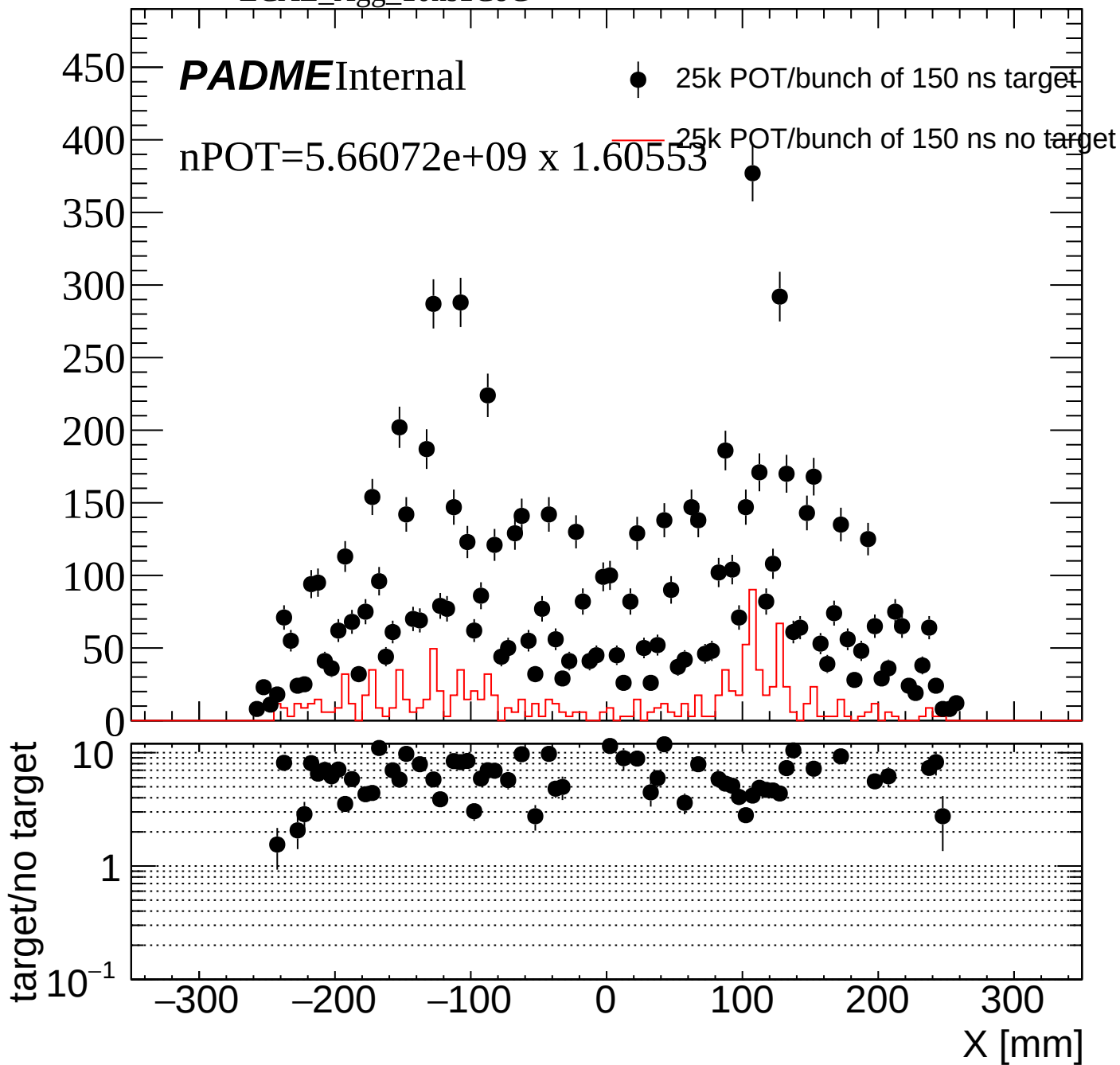
25k POT/bunch of 150 ns no target

target/no target

X [mm]



ECAL\_Xgg\_10ns1CoG



ECAL\_Xgg\_10ns1CoGUnderPeak

***PADME***Internal

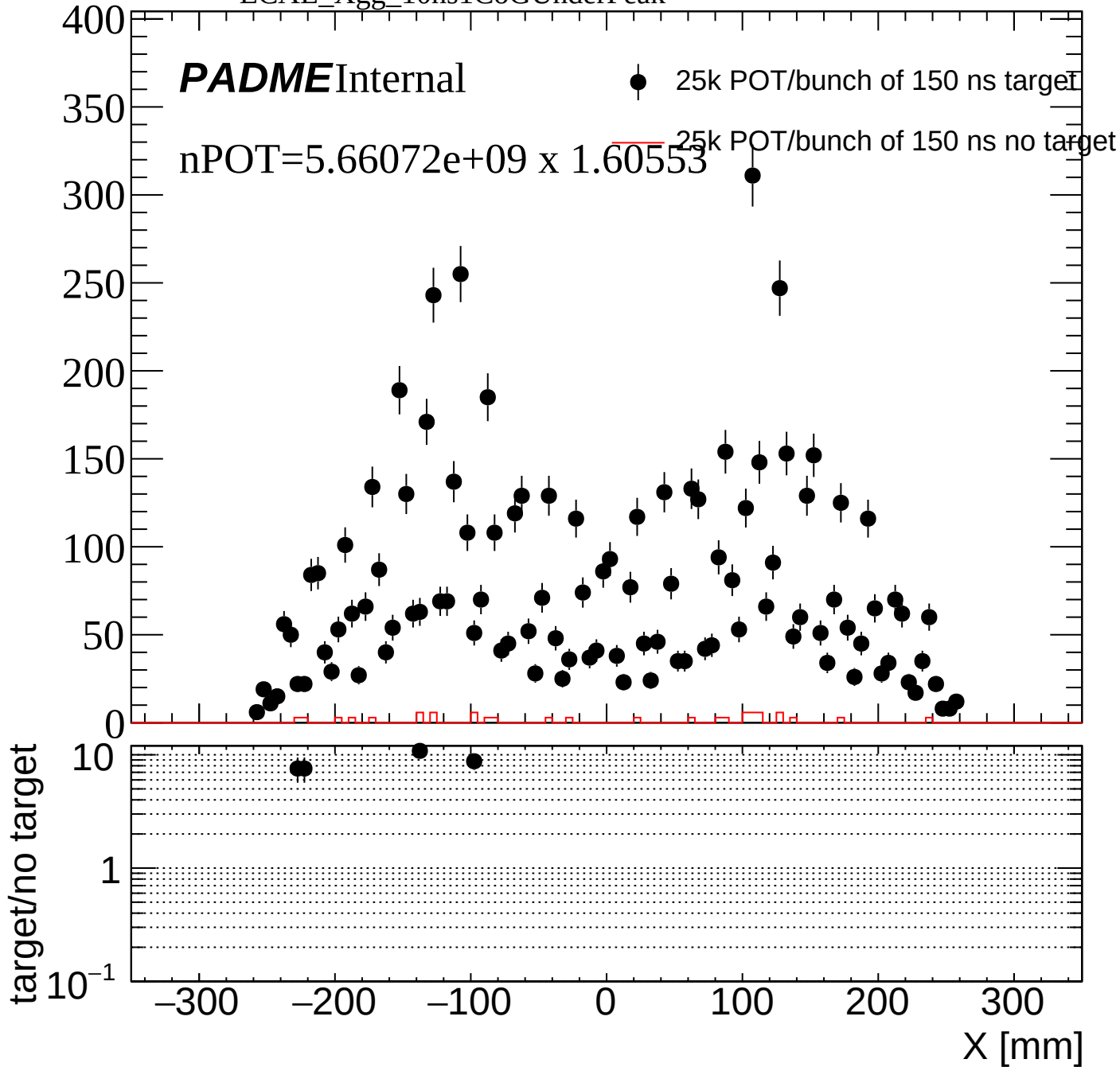
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]





ECAL\_Xgg\_10ns1CoGUnderPeakEThr90

***PADME***Internal

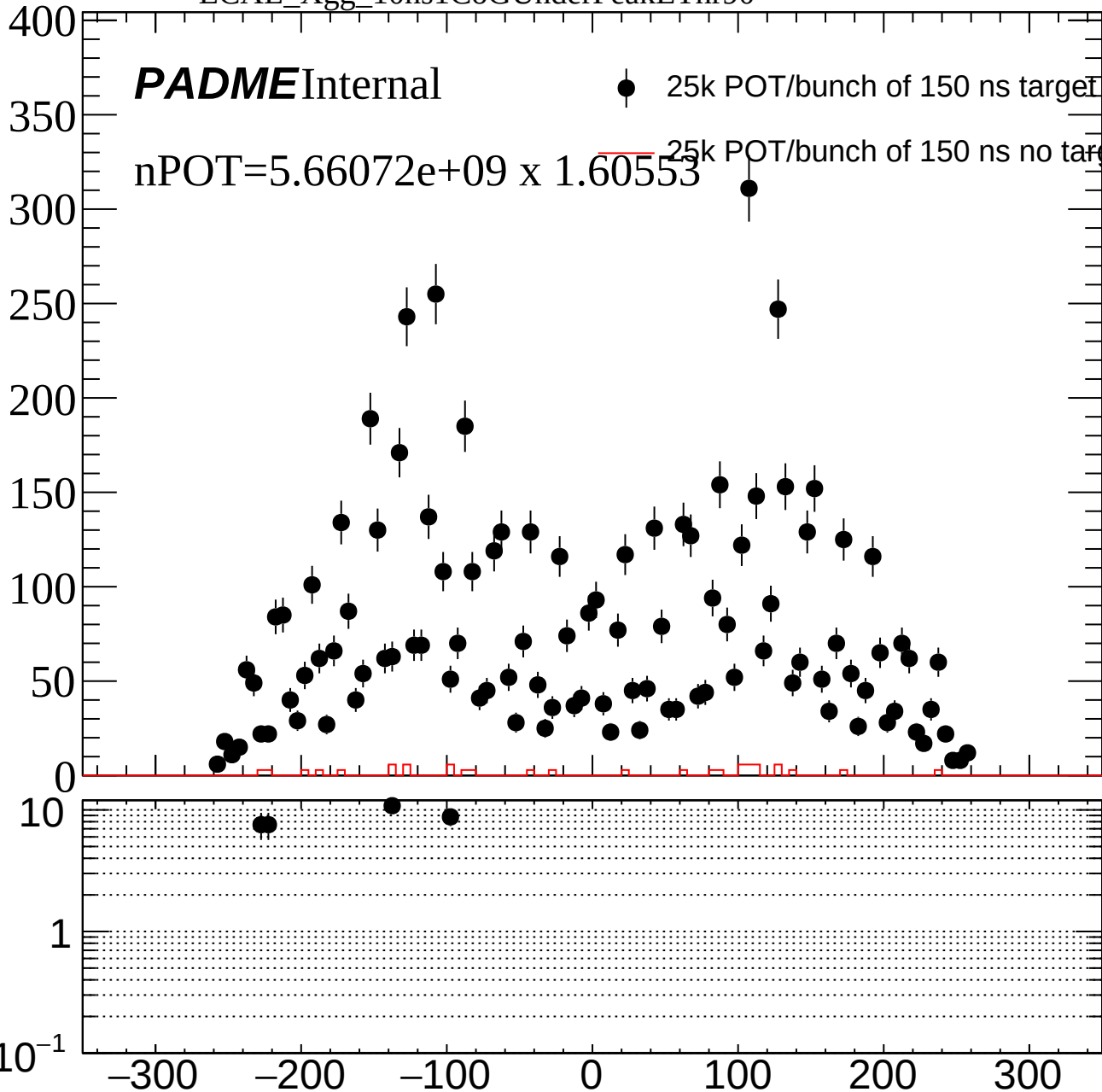
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]



ECAL\_Xgg\_10ns1CoGEThr90

***PADME***Internal

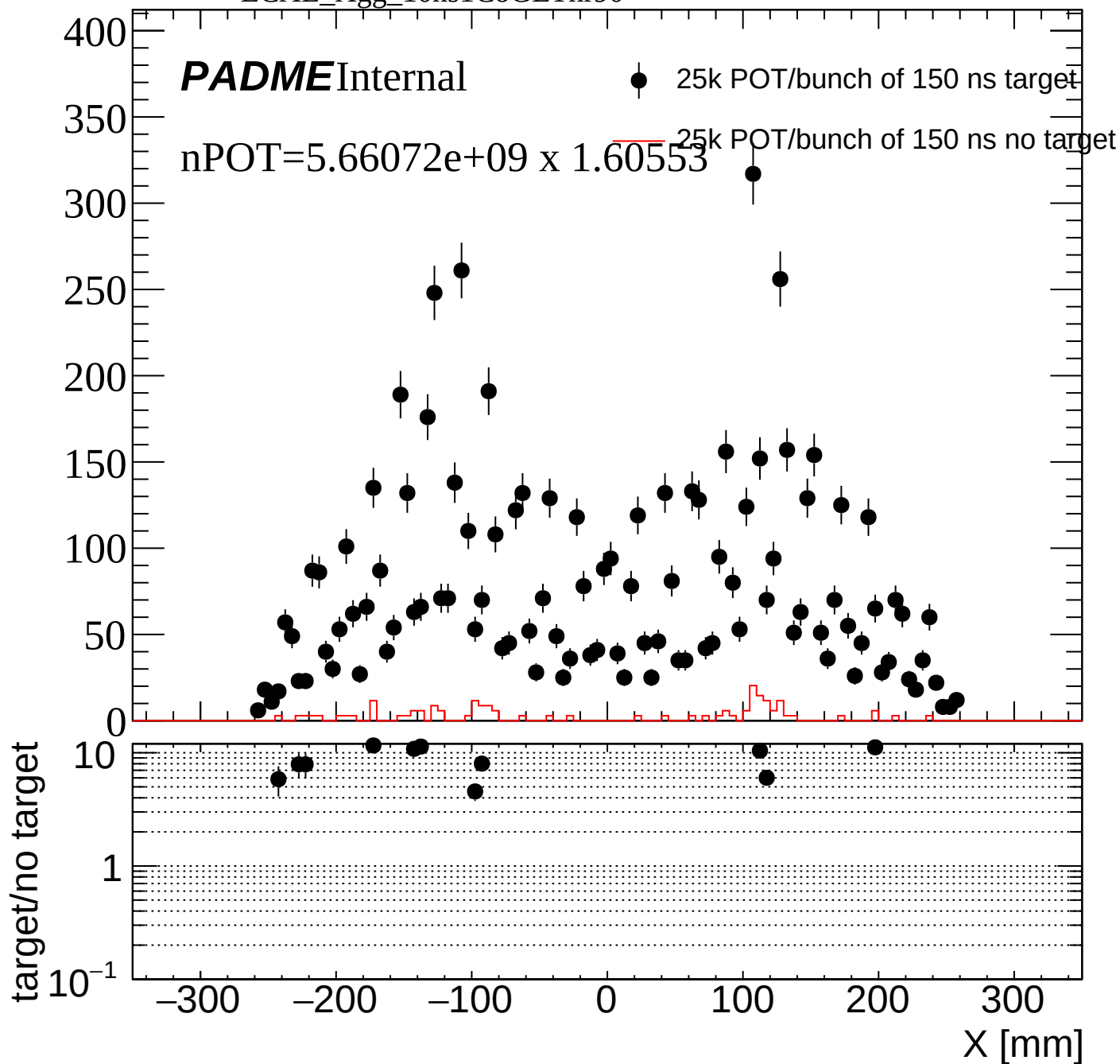
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

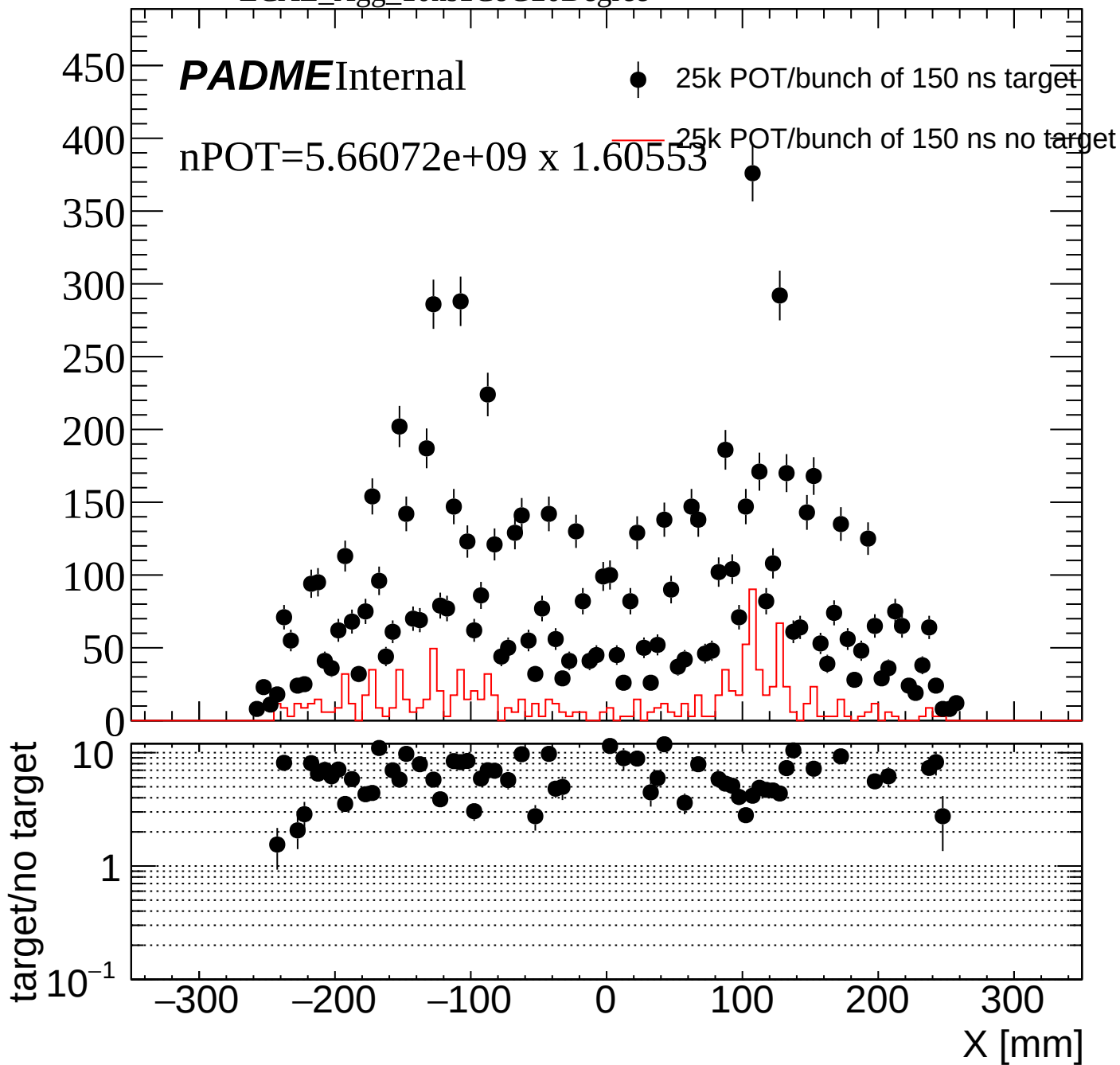
25k POT/bunch of 150 ns no target

target/no target

X [mm]



ECAL\_Xgg\_10ns1CoG20Degree



ECAL\_Xgg\_10ns1CoG20DegreeDeltaTheta

***PADME***Internal

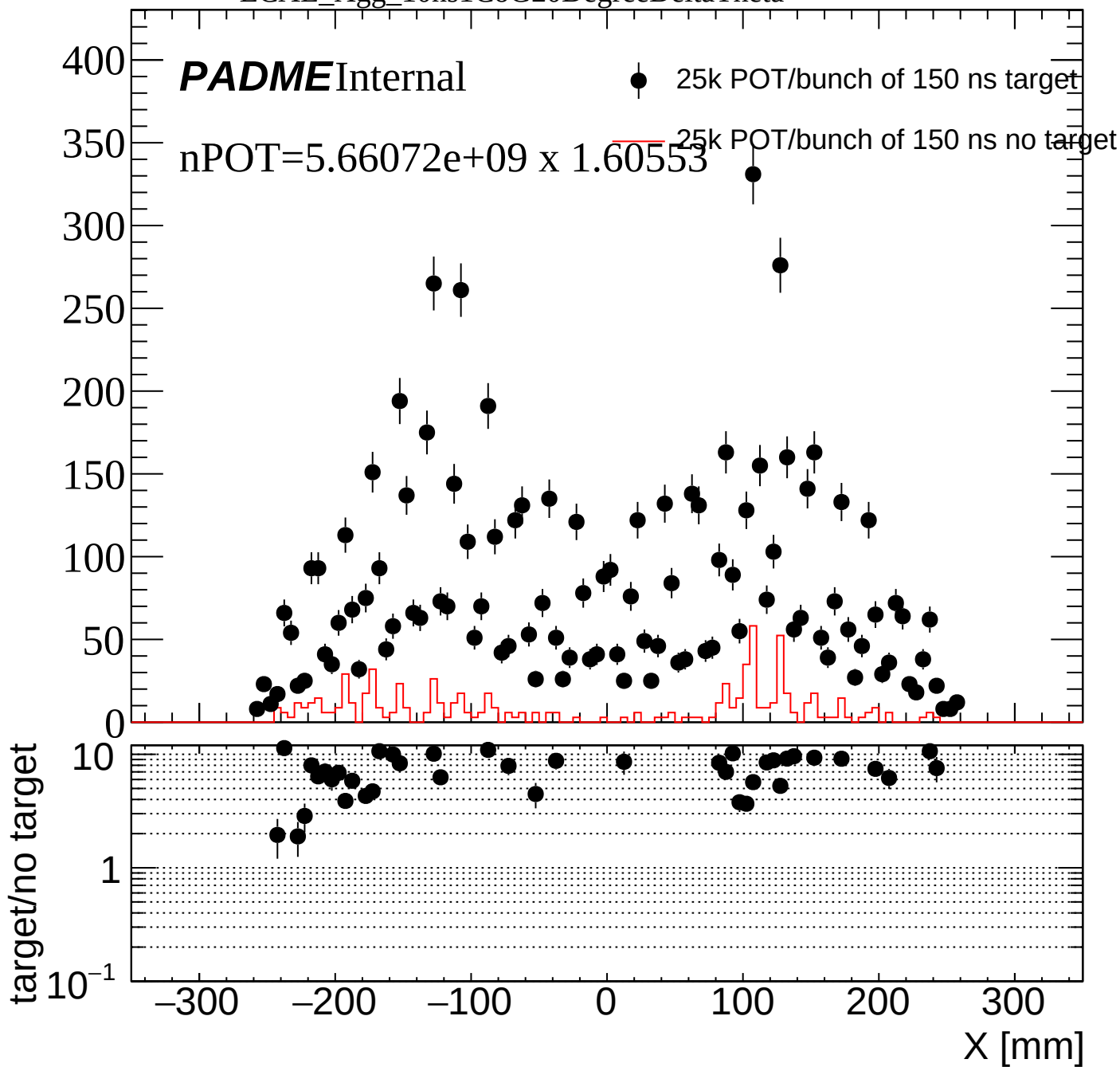
nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

target/no target

X [mm]



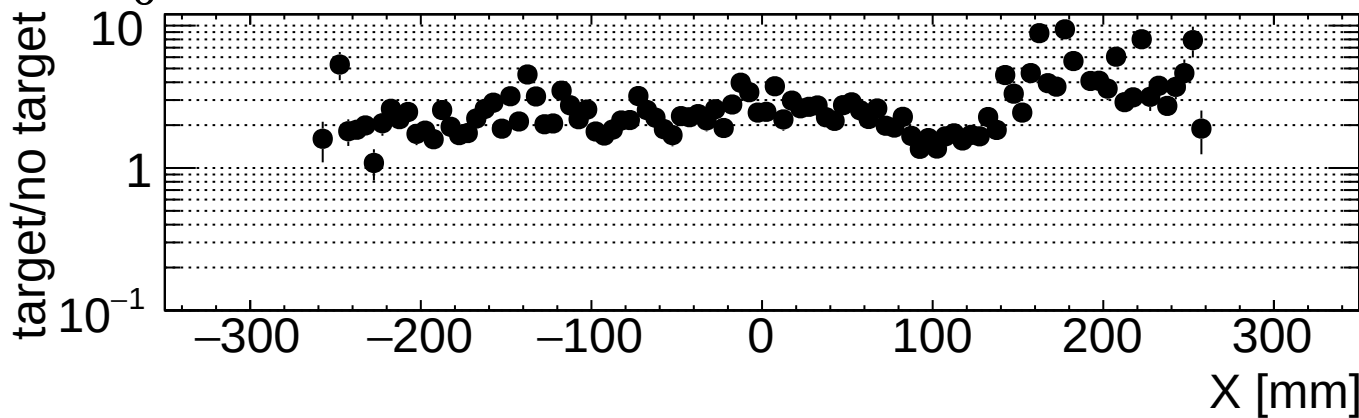
ECAL\_Xgg\_10ns3CoG

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



ECAL\_Xgg\_10ns3CoGUnderPeak

***PADME***Internal

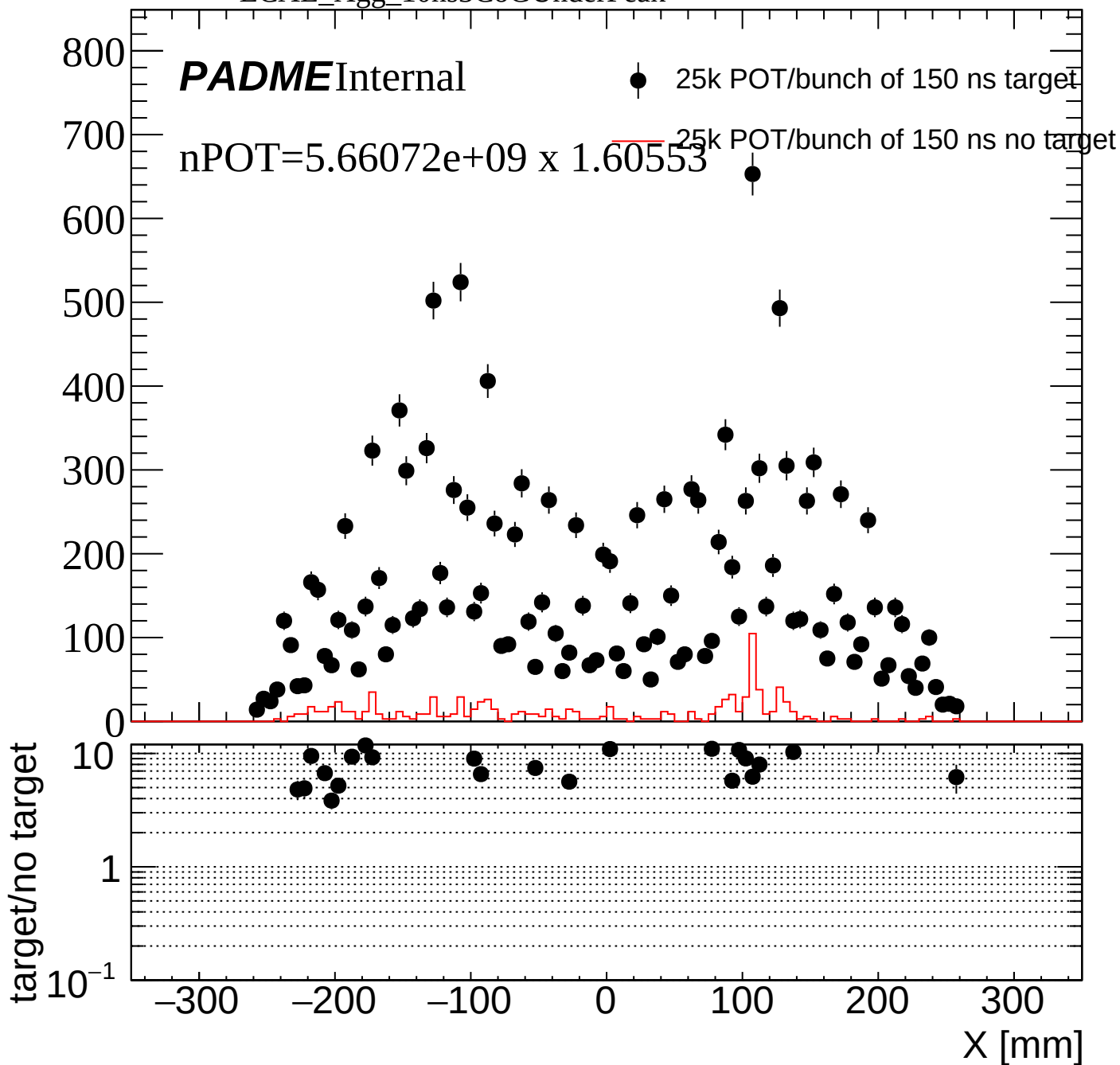
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/  
no target

X [mm]



ECAL\_Xgg\_10ns3CoGUnderPeakEThr90

***PADME***Internal

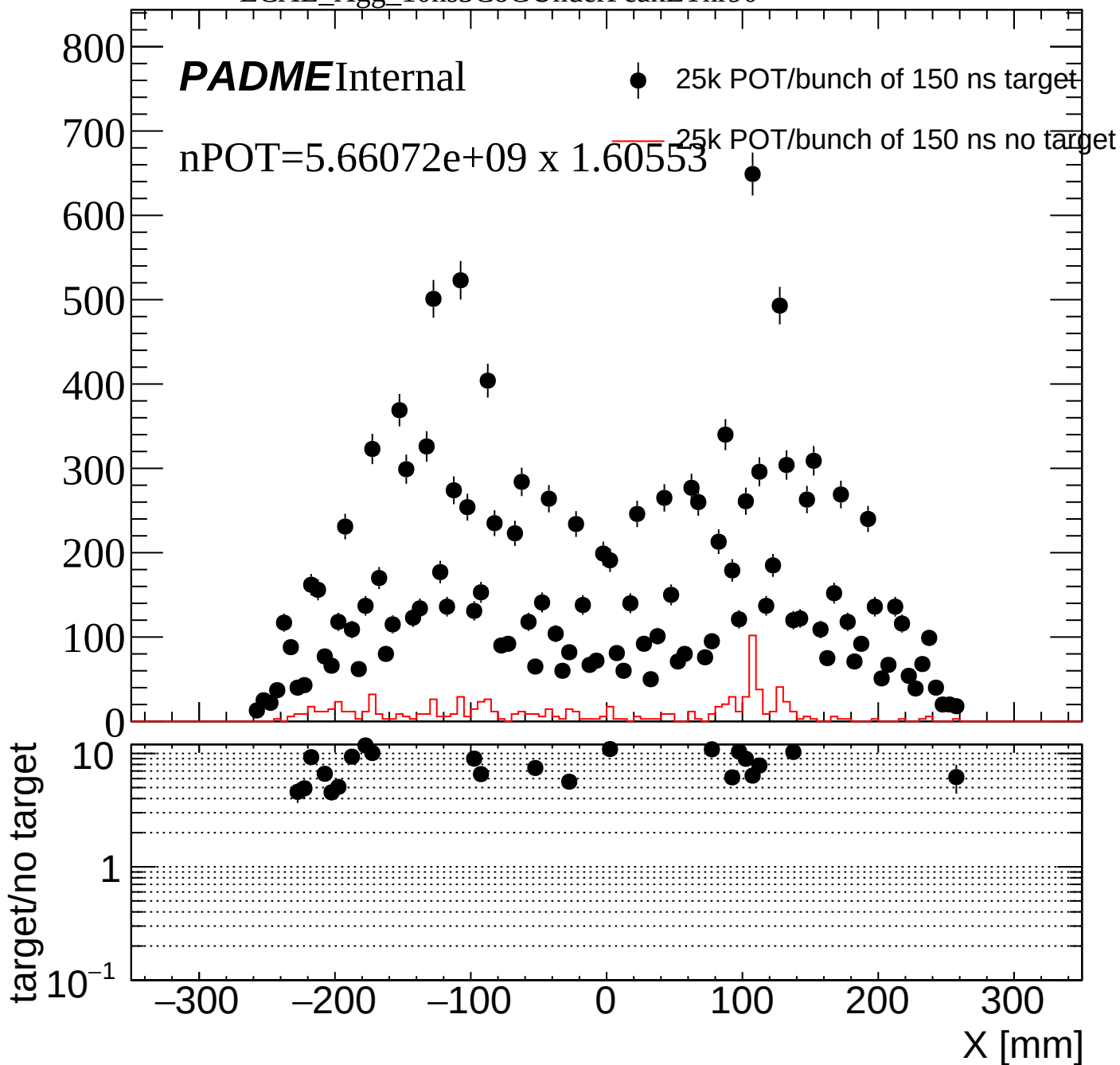
nPOT=5.66072e+09 x 1.60553

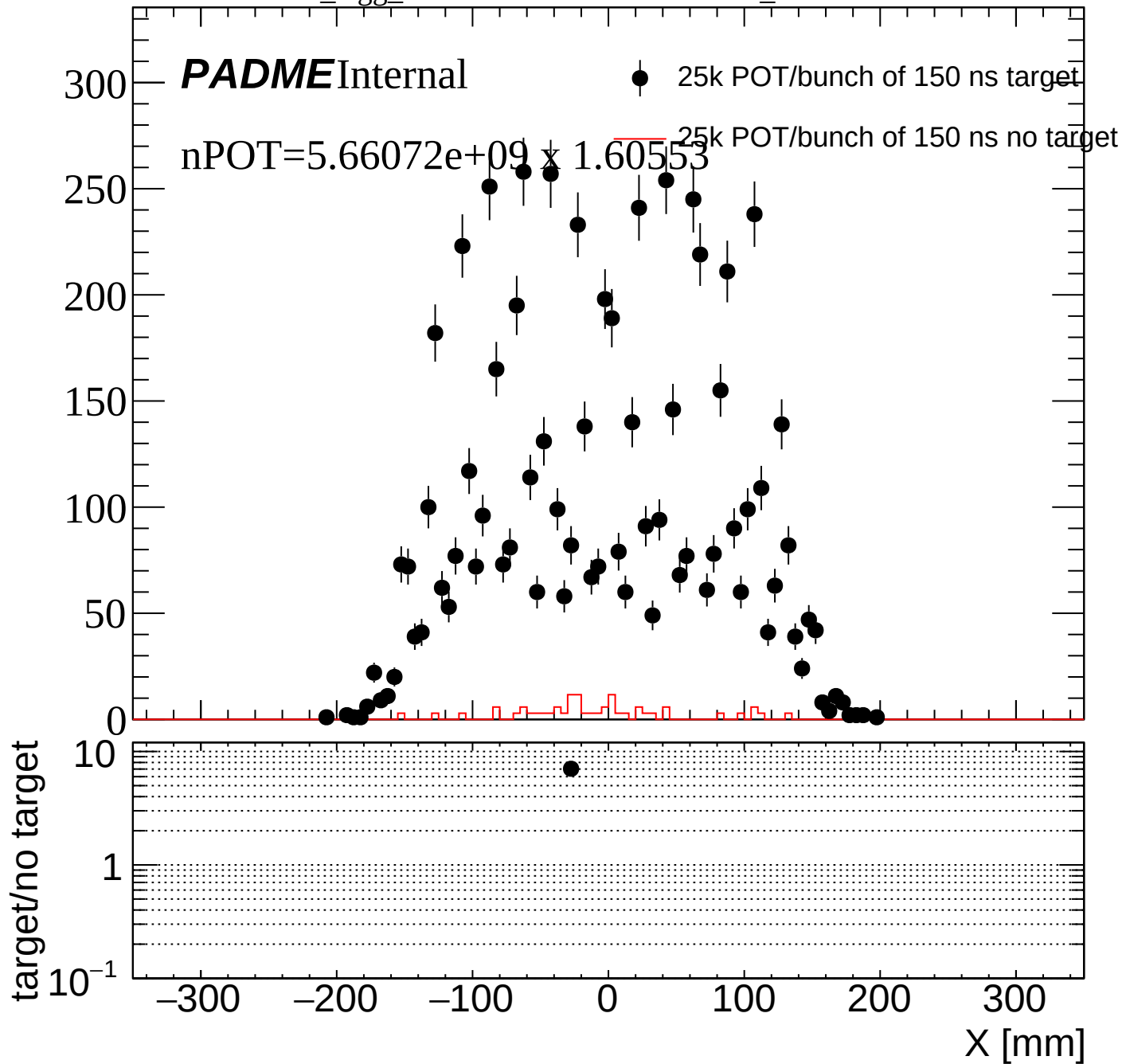
25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]







ECAL\_Xgg\_10ns3CoGEThr90

***PADME***Internal

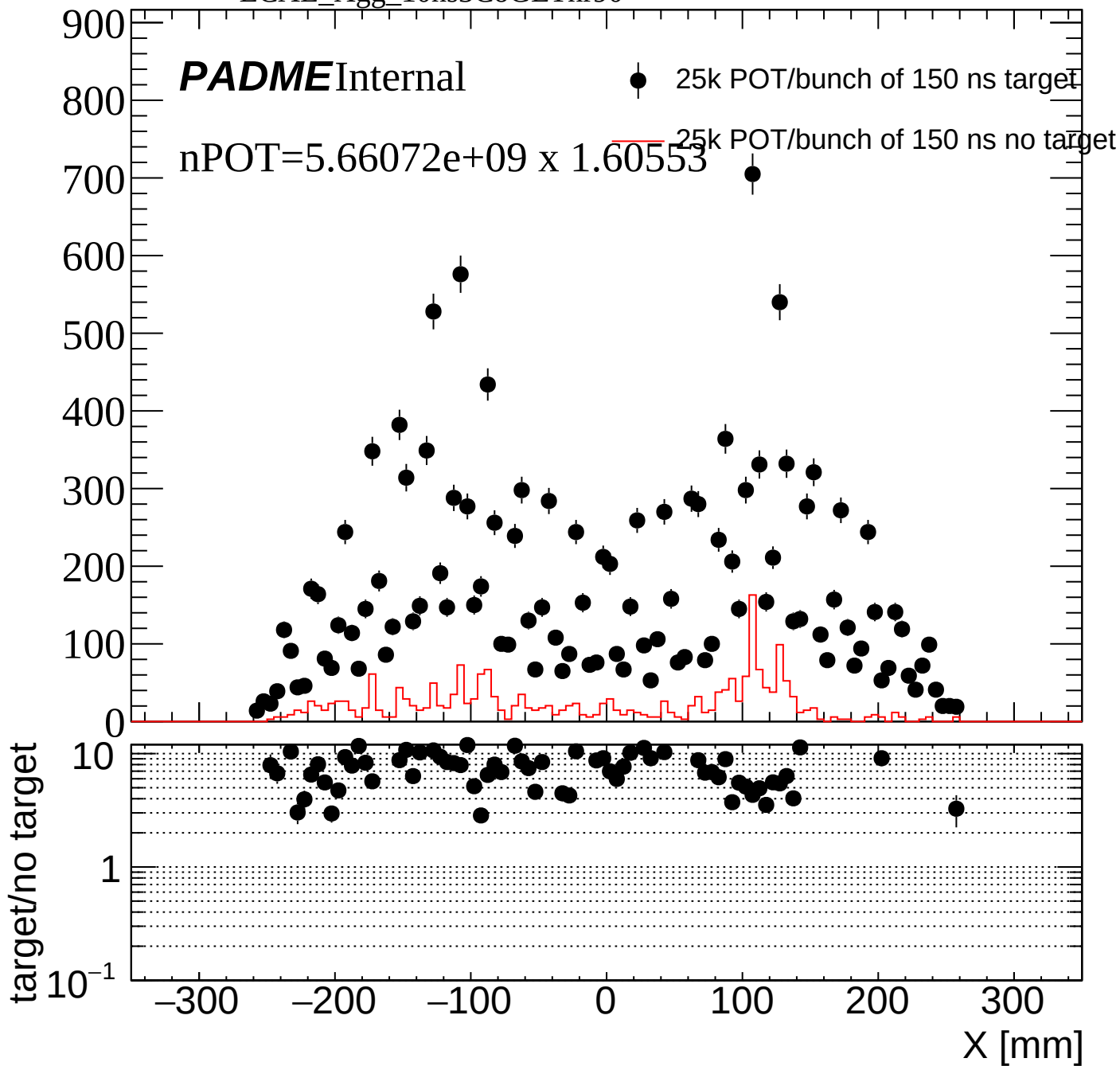
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]



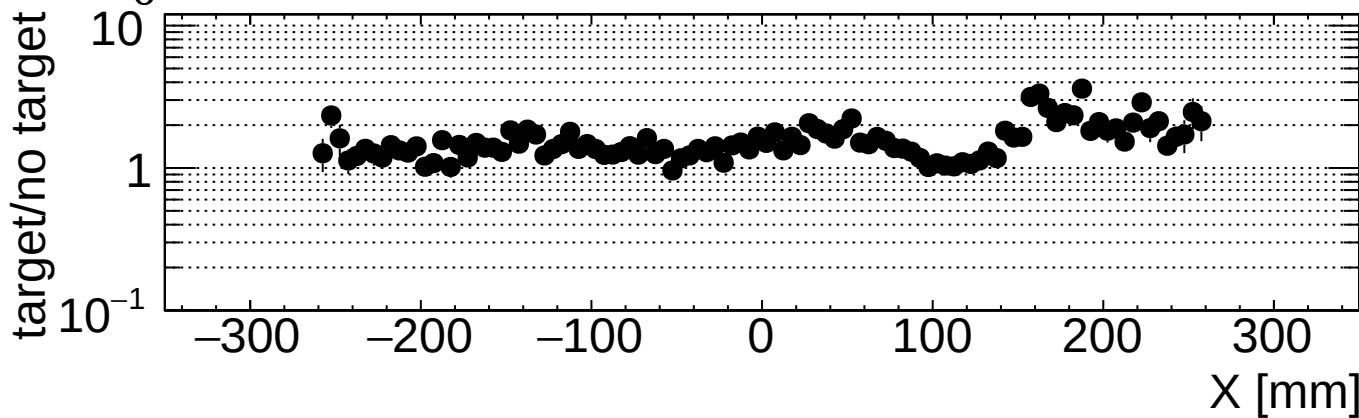
ECAL\_Xgg\_10ns5CoG

***PADME***Internal

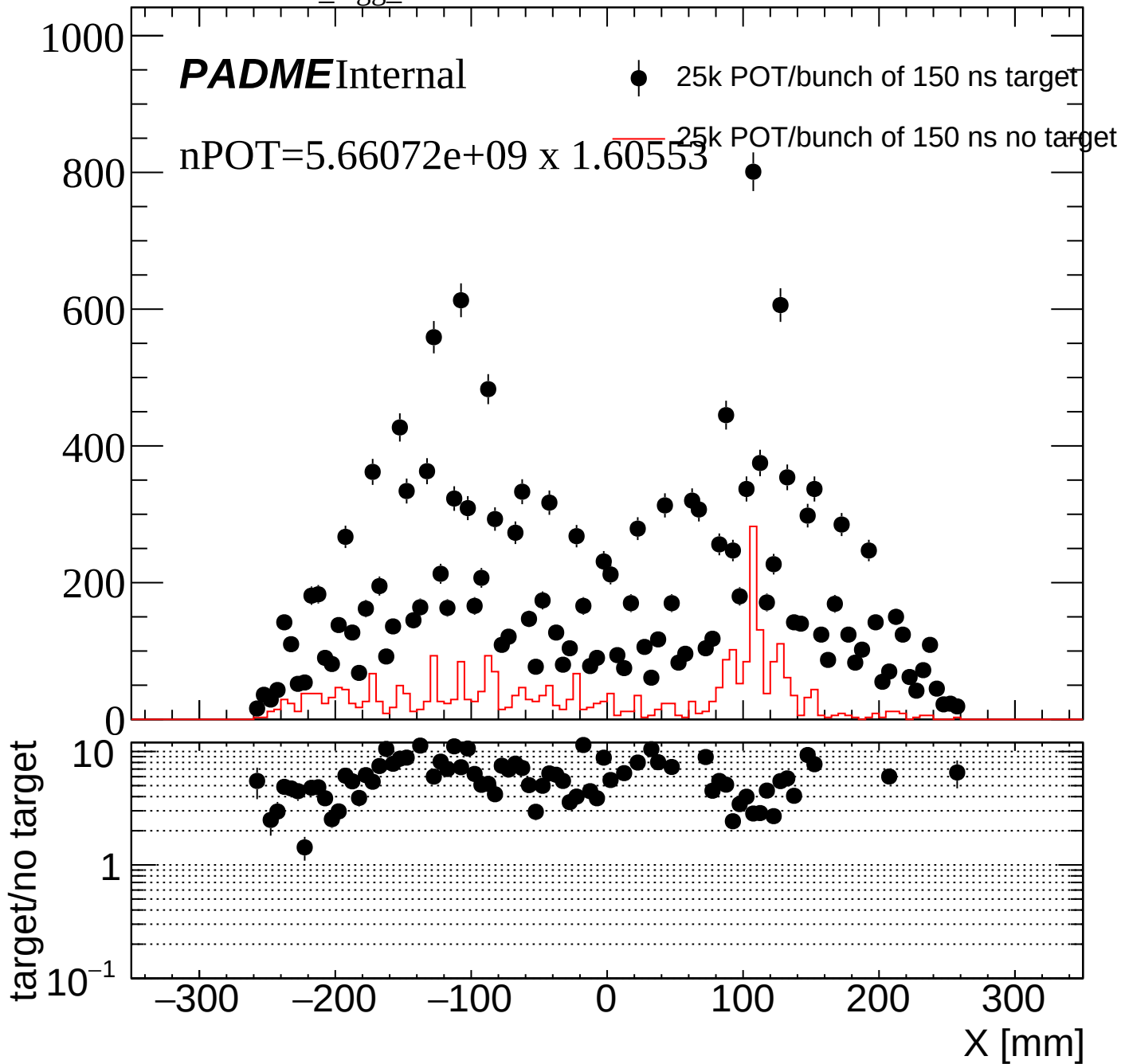
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

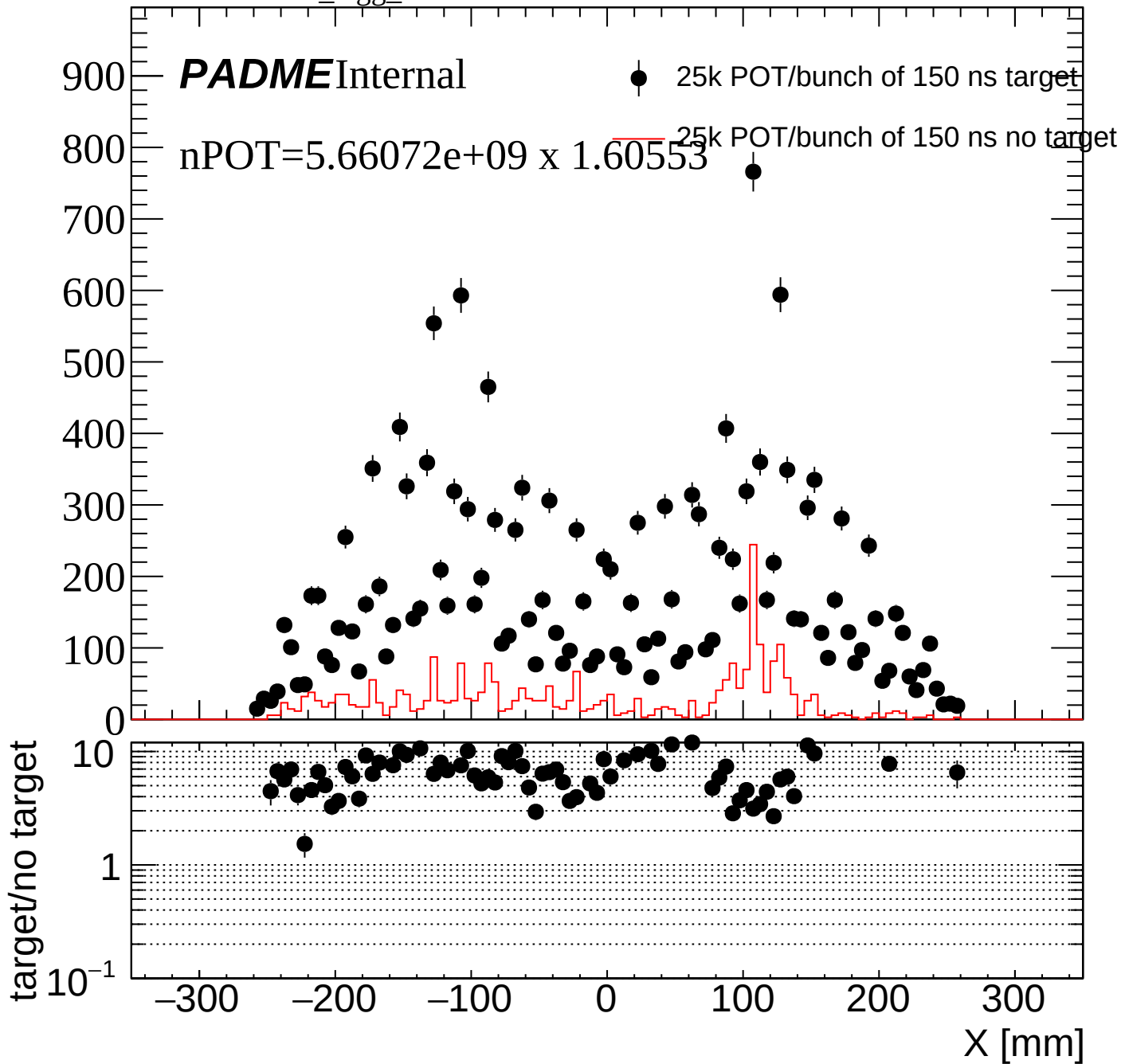
— 25k POT/bunch of 150 ns no target

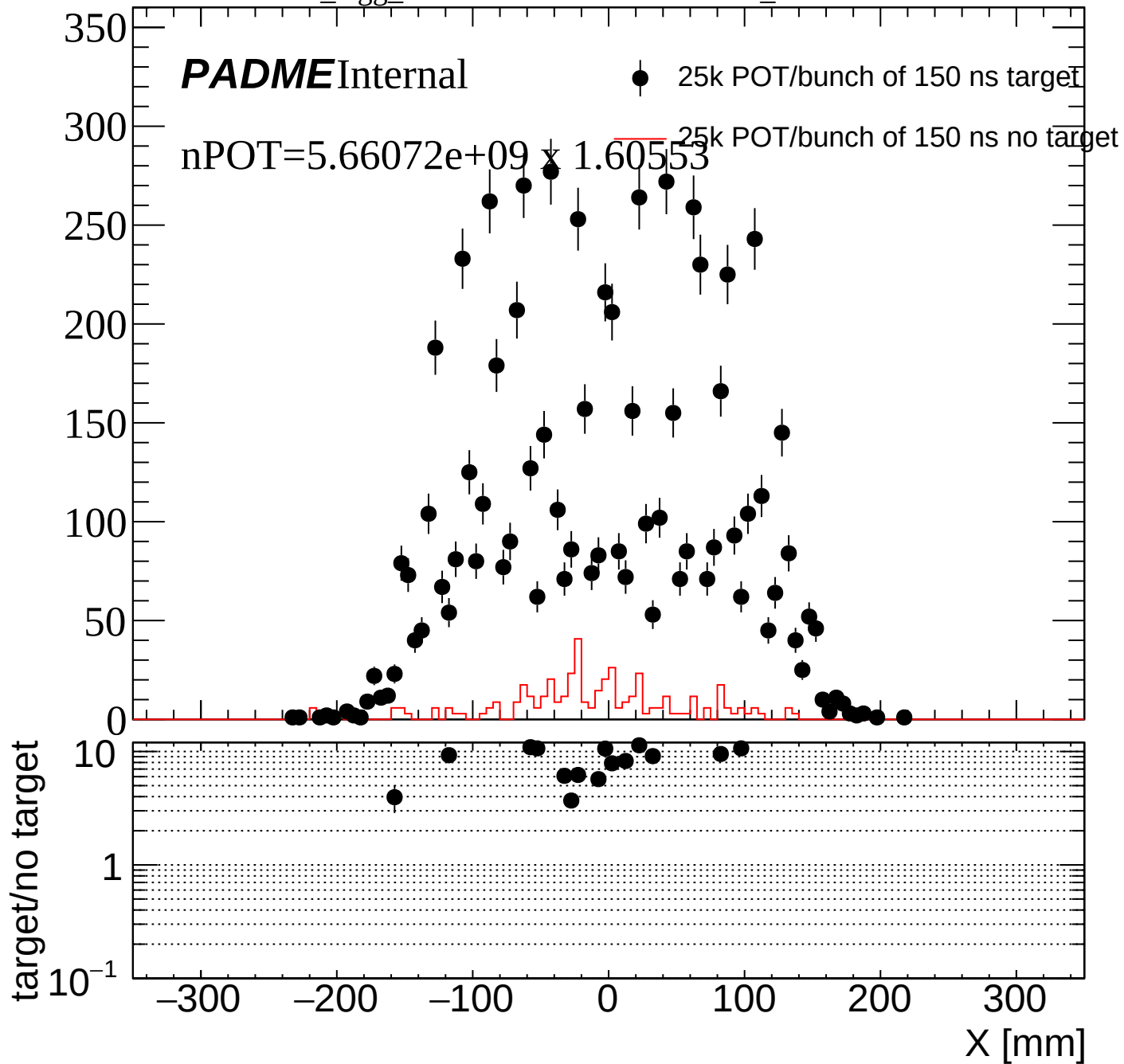


ECAL\_Xgg\_10ns5CoGUnderPeak



ECAL\_Xgg\_10ns5CoGUnderPeakEThr90





**PADME**Internal

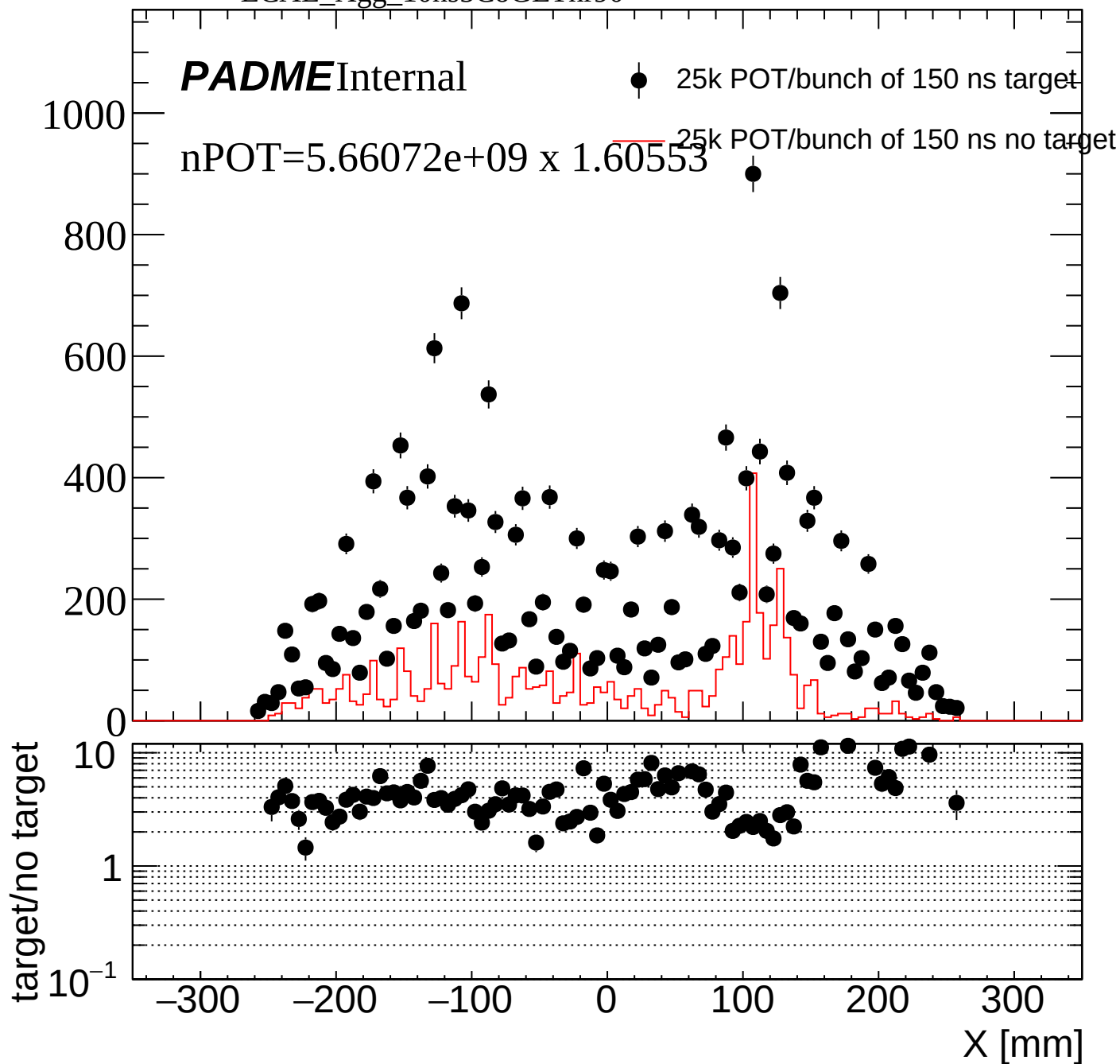
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

X [mm]



ECAL\_Ygg\_10ns

***PADME***Internal

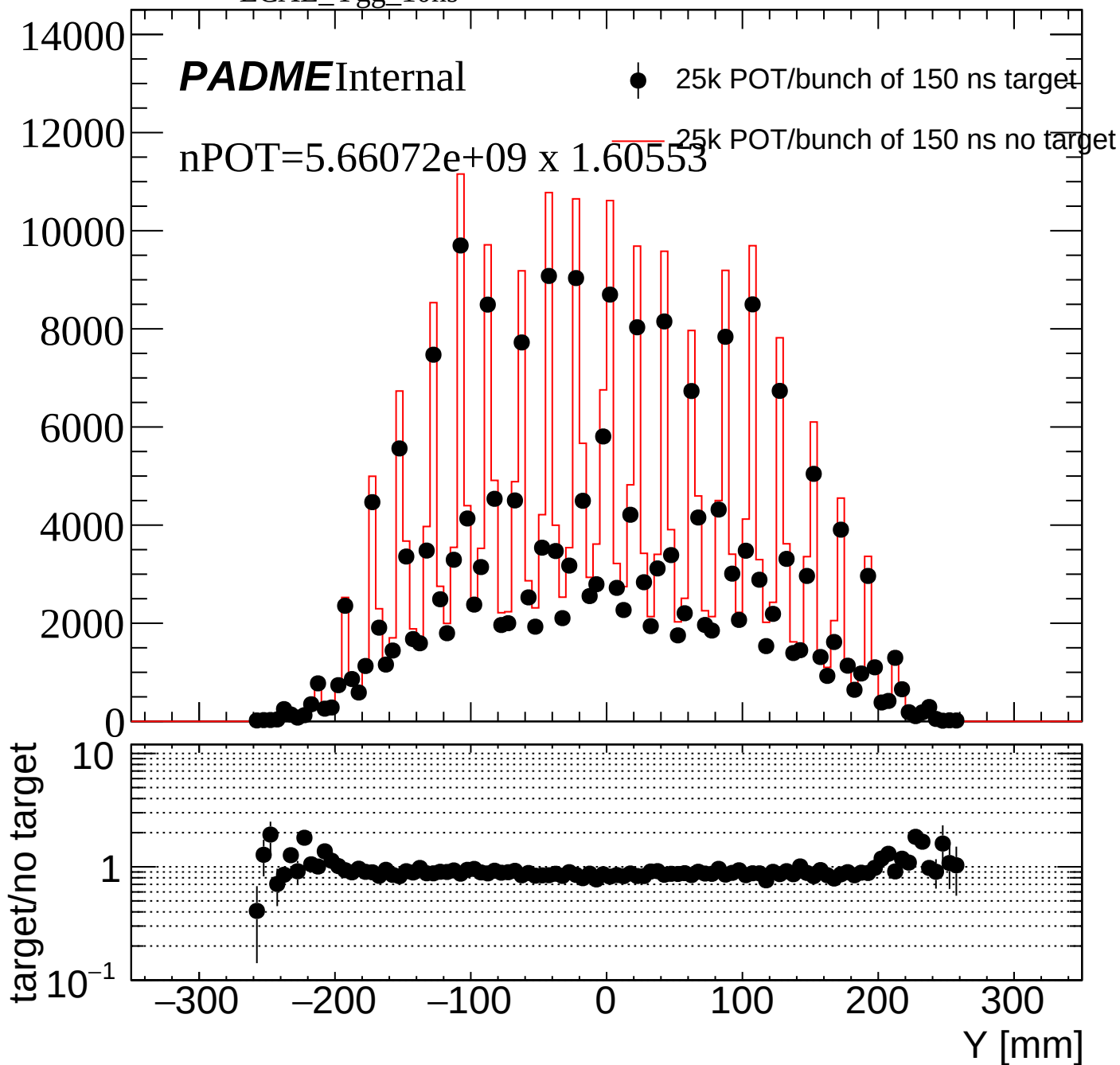
nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

target/  
no target

Y [mm]



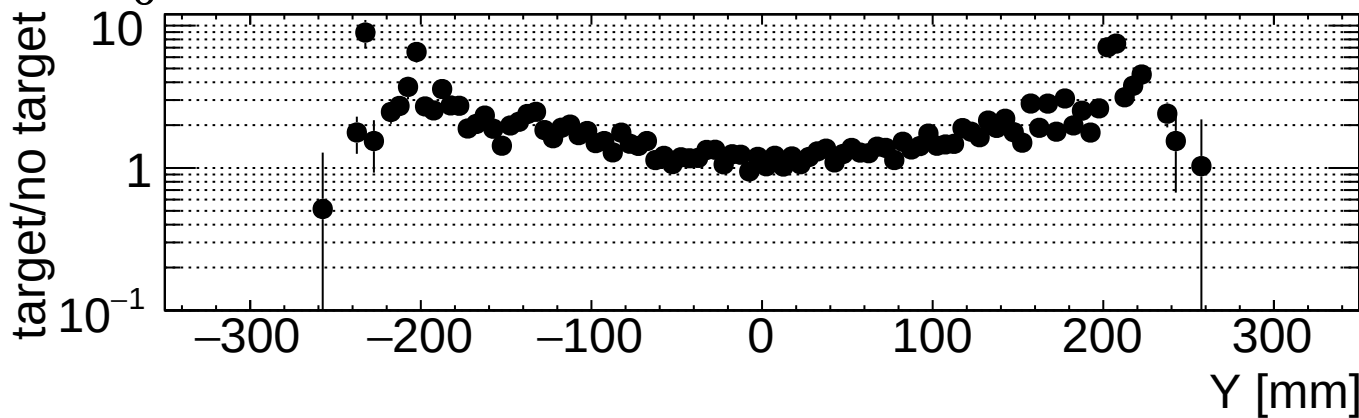
ECAL\_Ygg\_10ns20Degree

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target





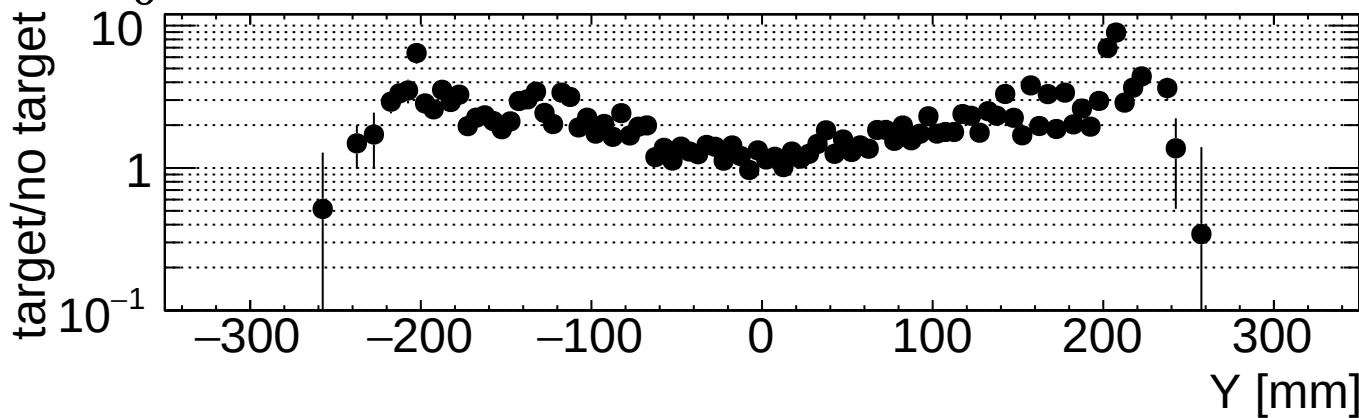
ECAL\_Ygg\_10ns20DegreeDeltaTheta

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



ECAL\_Ygg\_10ns5DegreeDeltaTheta

***PADME***Internal

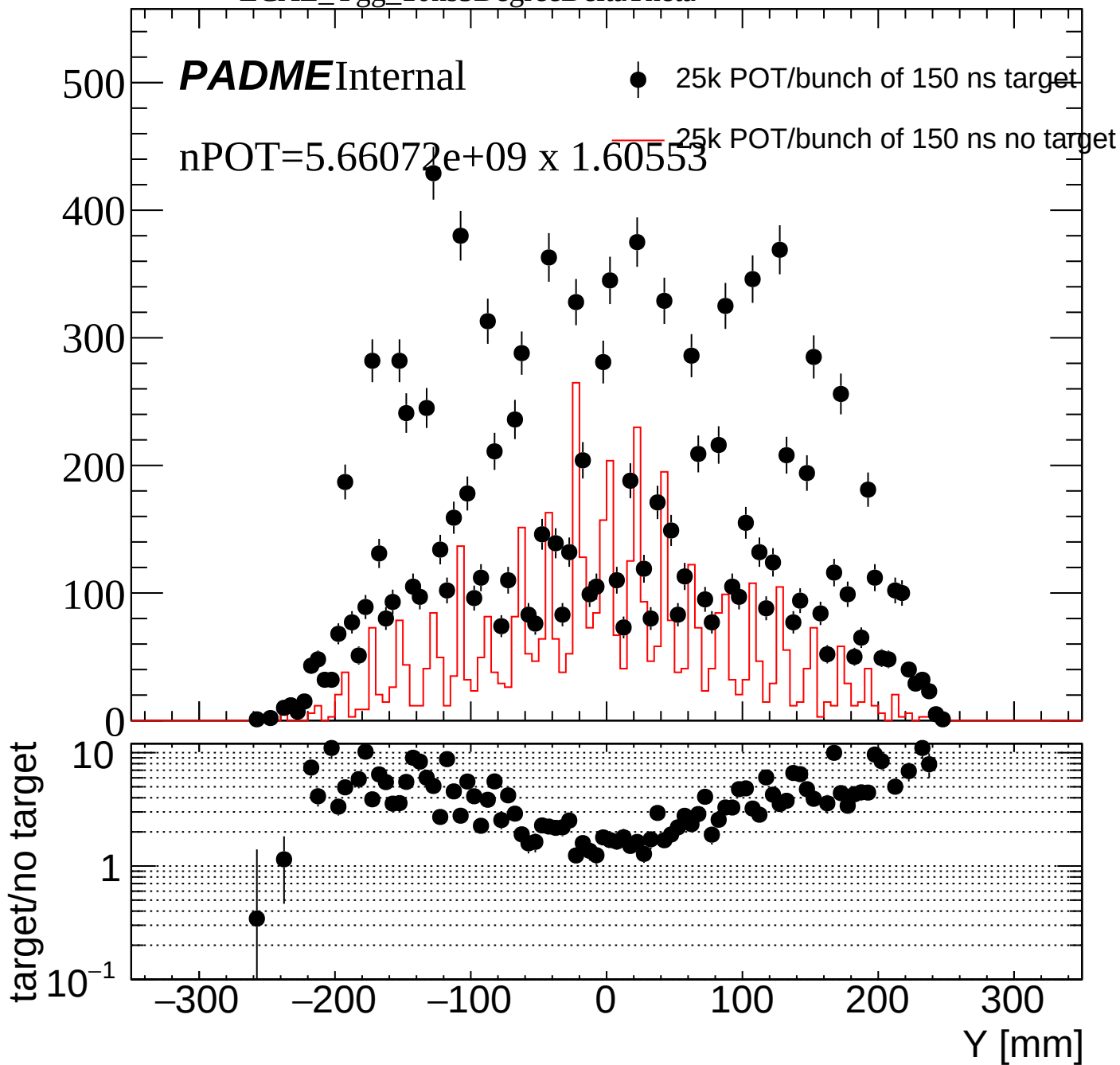
$nPOT=5.66072e+09 \times 1.60553$

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



ECAL\_Ygg\_10ns20DegreeDeltaThetaUnderPeak

***PADME***Internal

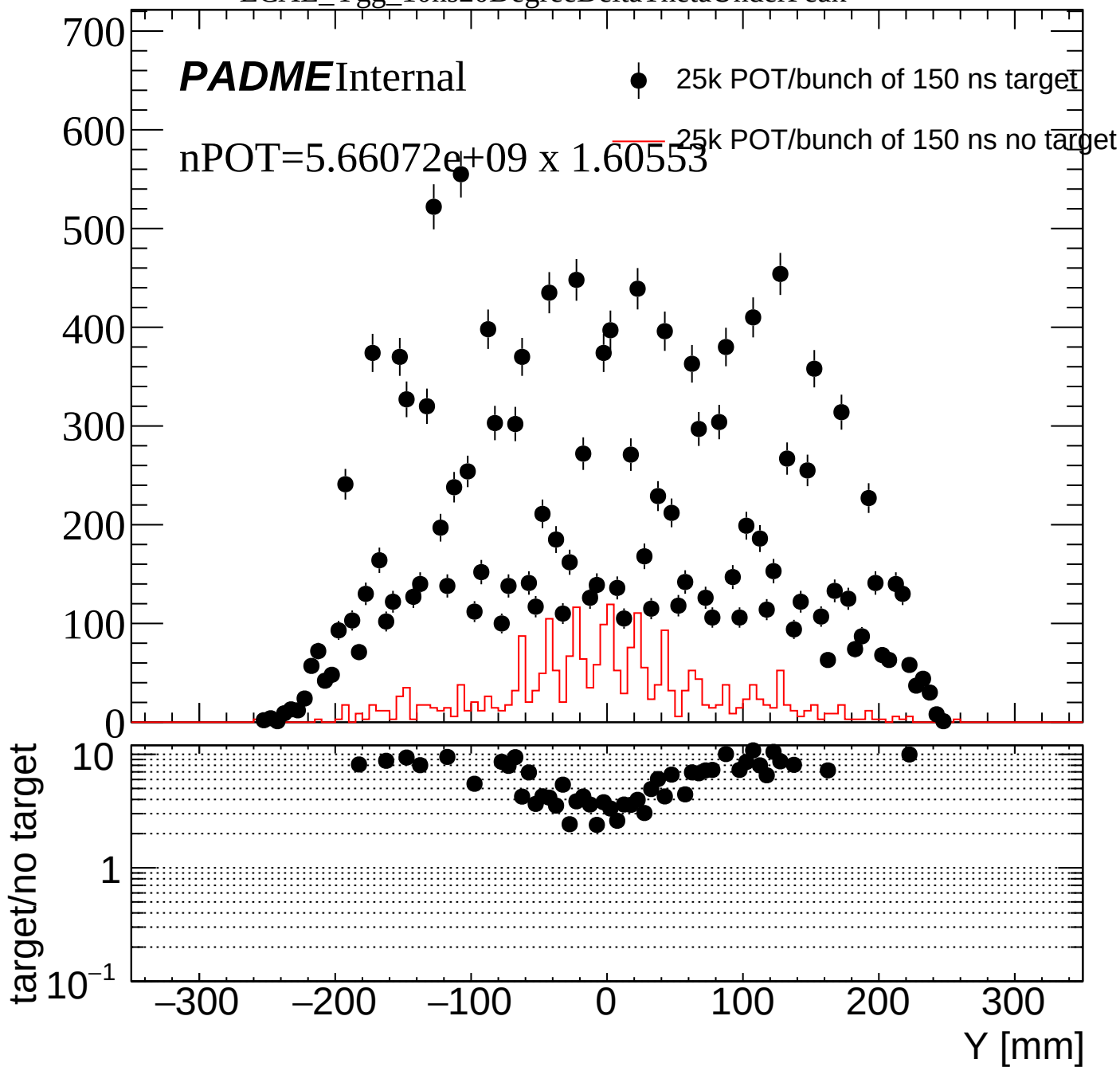
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

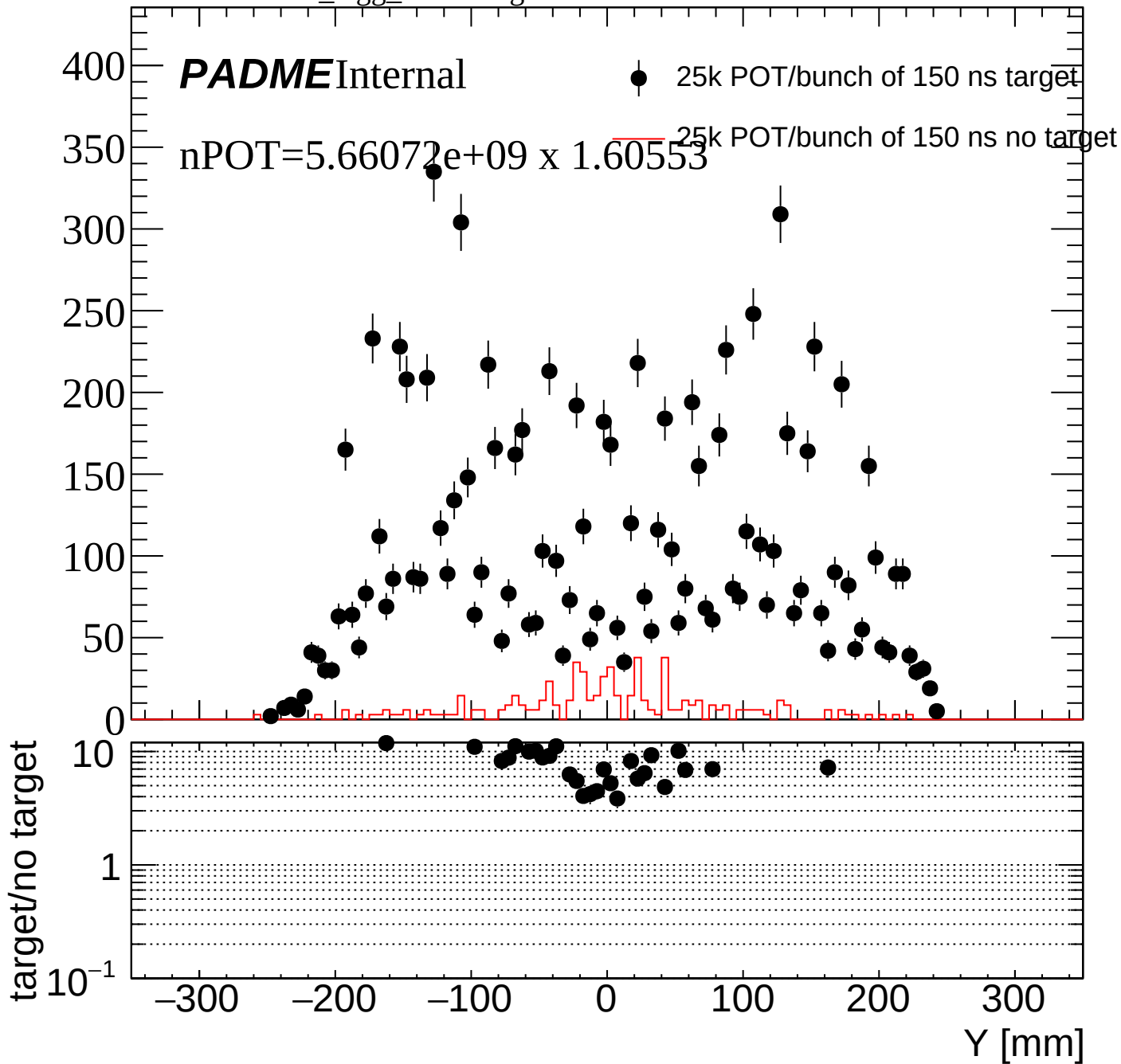
25k POT/bunch of 150 ns no target

target/no target

Y [mm]



ECAL\_Ygg\_10ns5DegreeDeltaThetaUnderPeak



ECAL\_Ygg\_10ns20DegreeDeltaThetaUnderPeakEThr90

***PADME***Internal

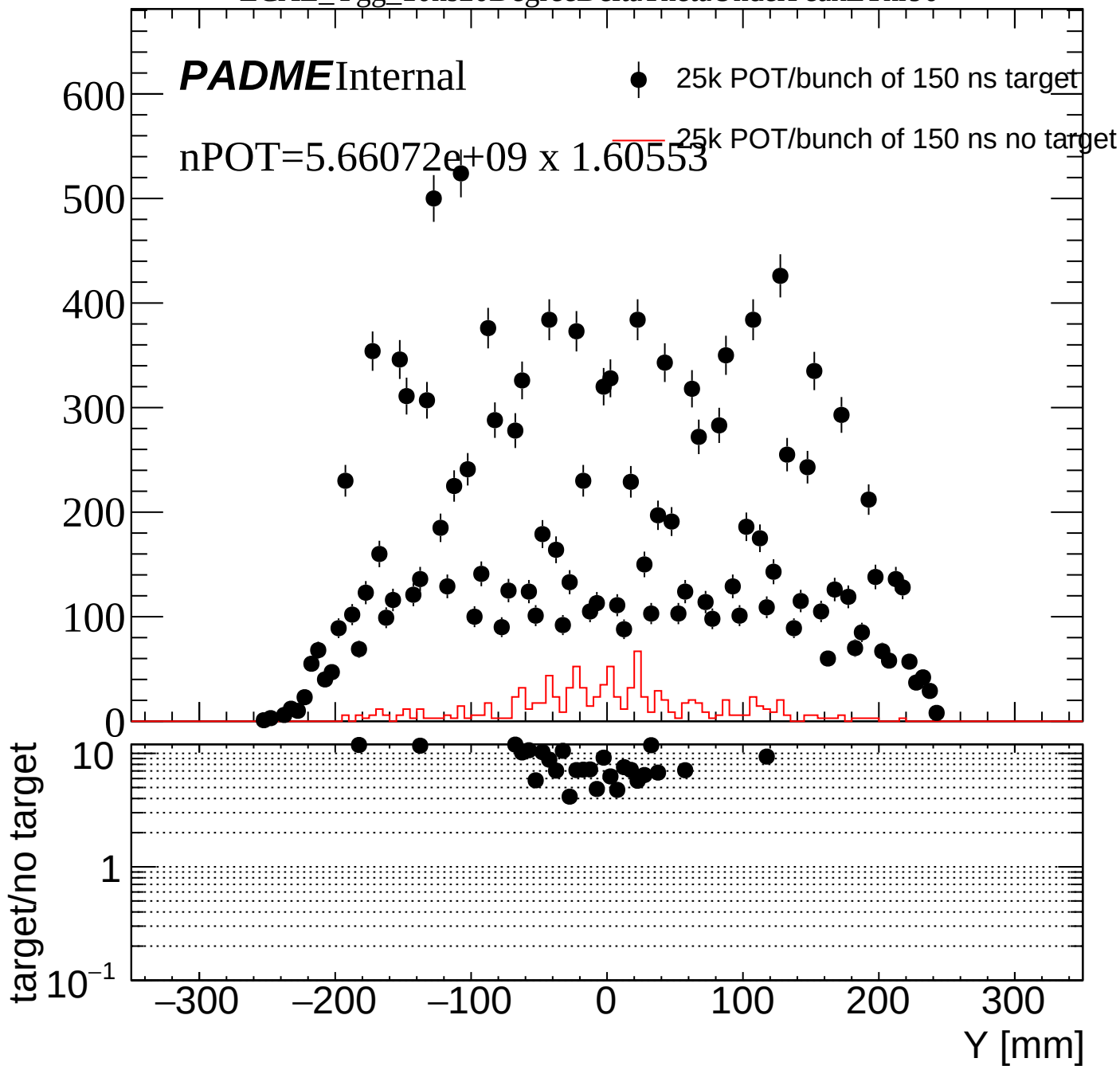
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]

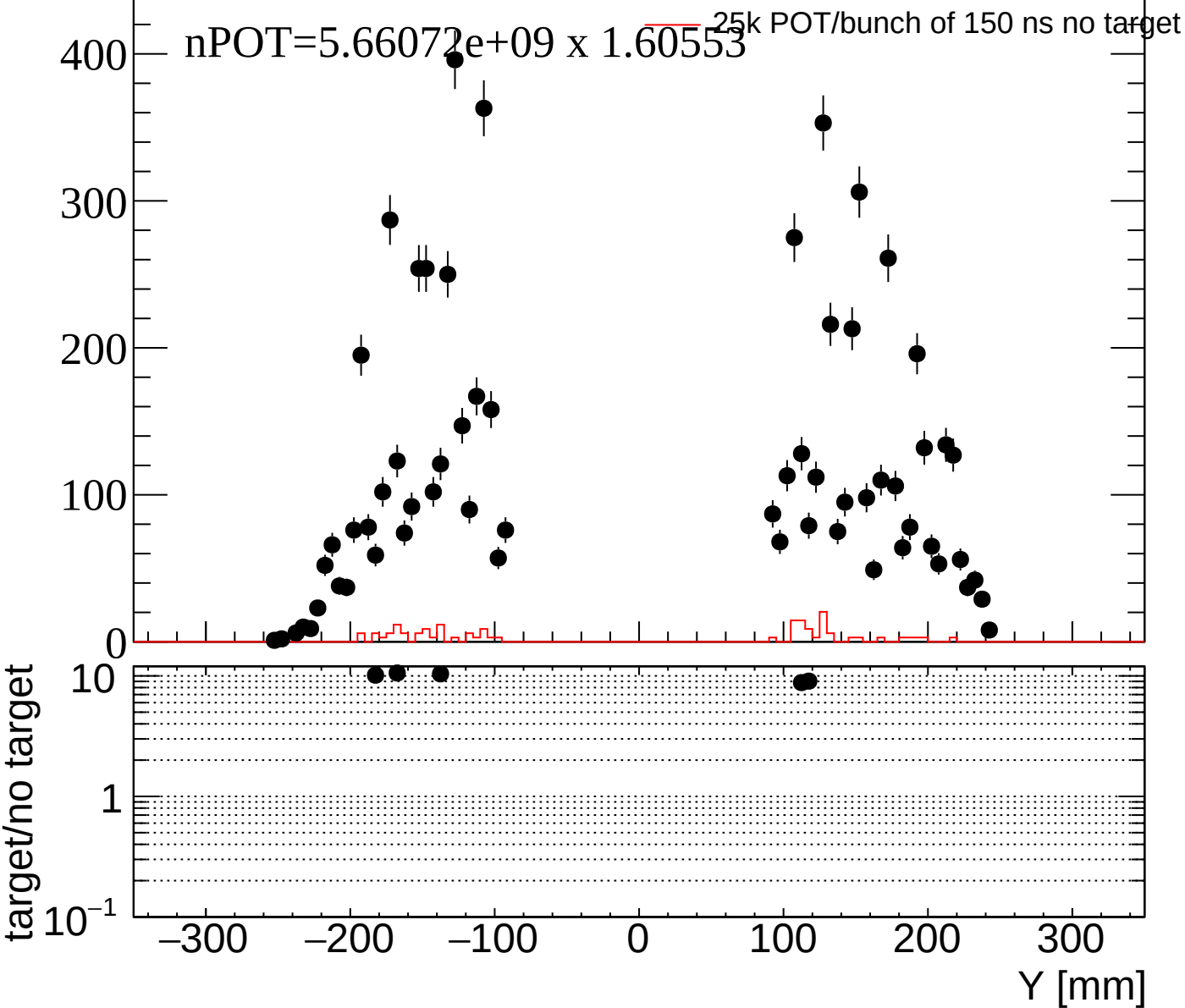


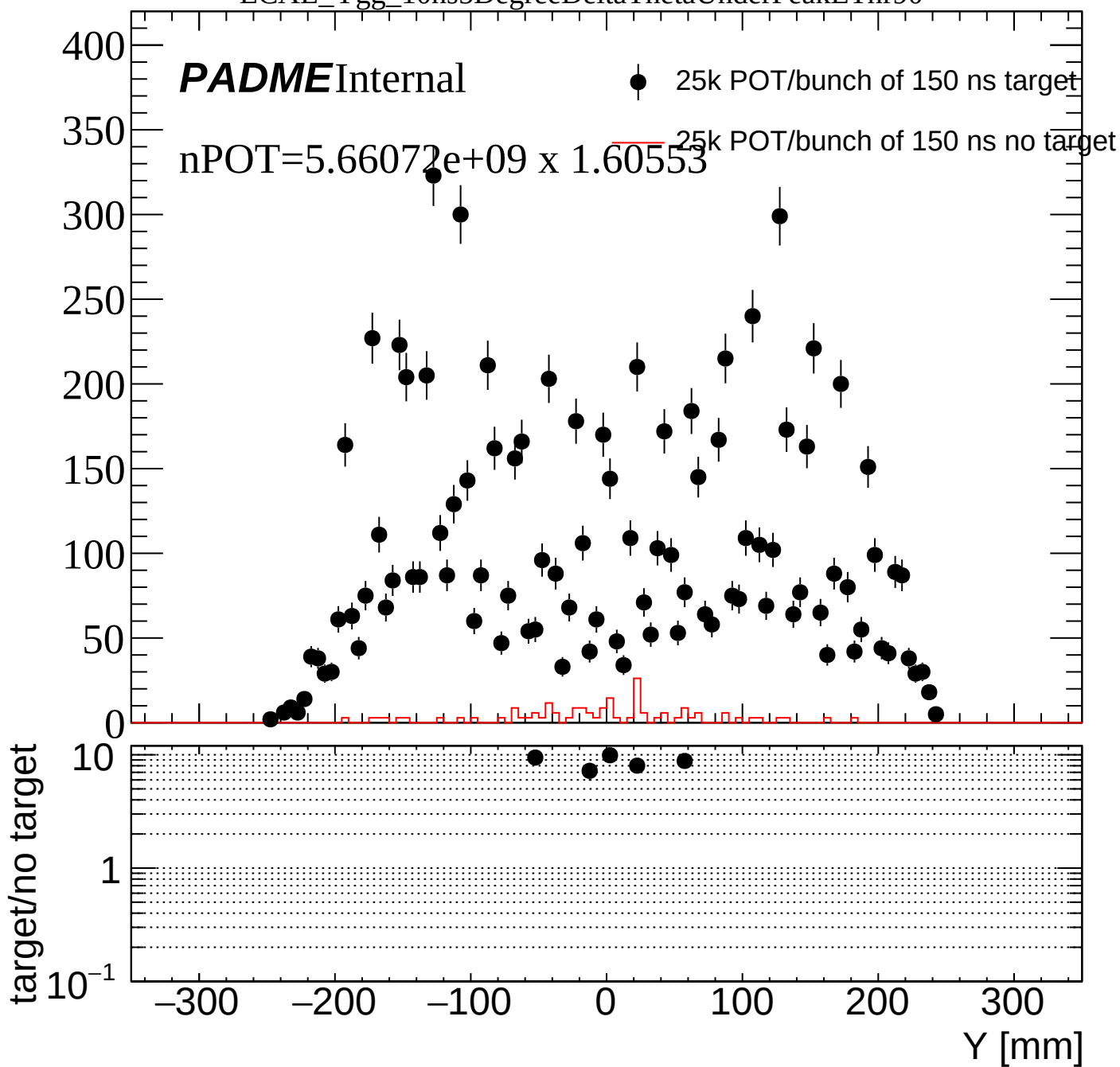
ECAL\_Ygg\_10ns20DegreeDeltaThetaUnderPeakEThr90\_FRY

***PADME***Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553





ECAL\_Ygg\_10ns20DegreeDeltaThetaEThr90

***PADME***Internal

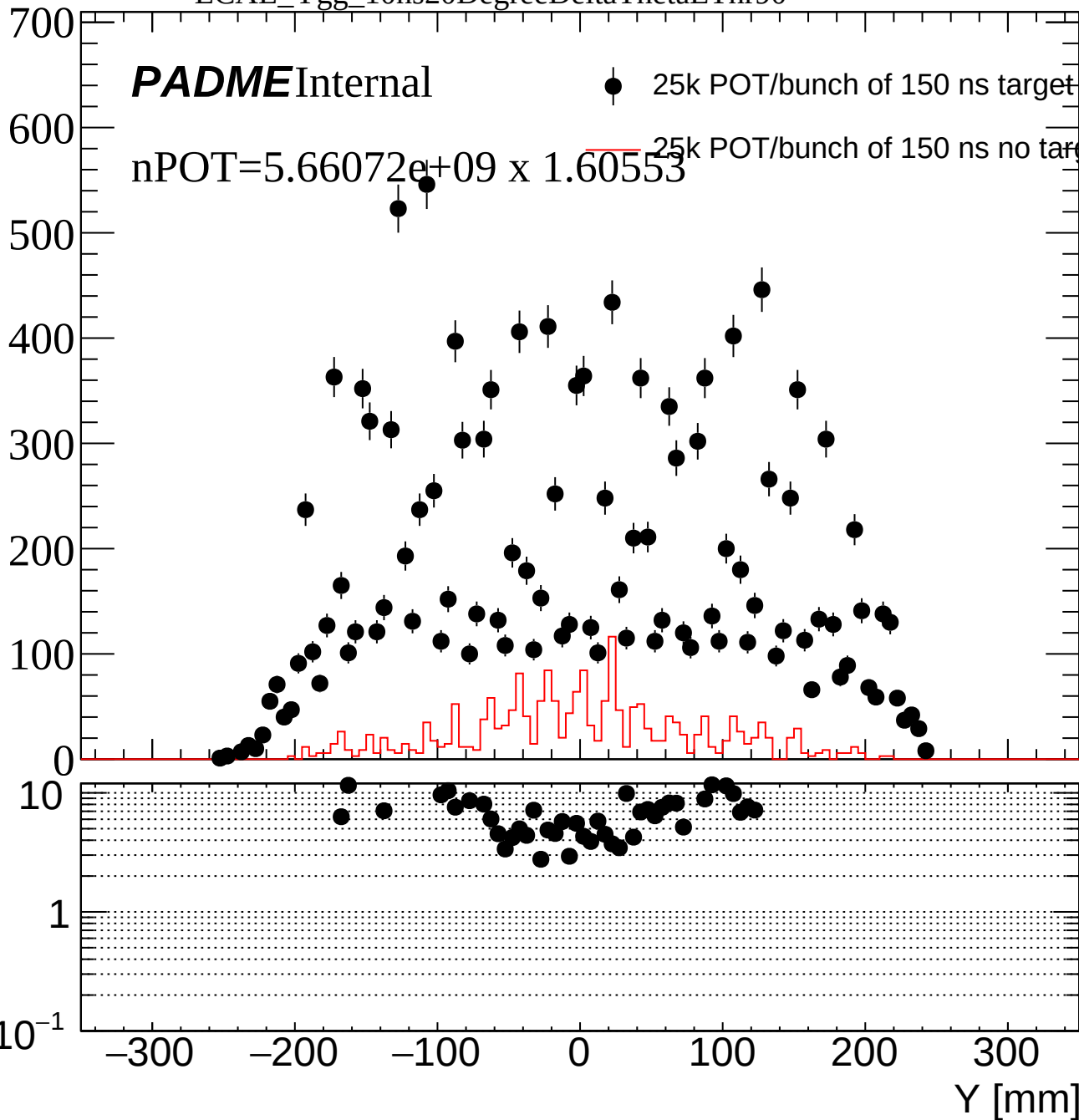
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

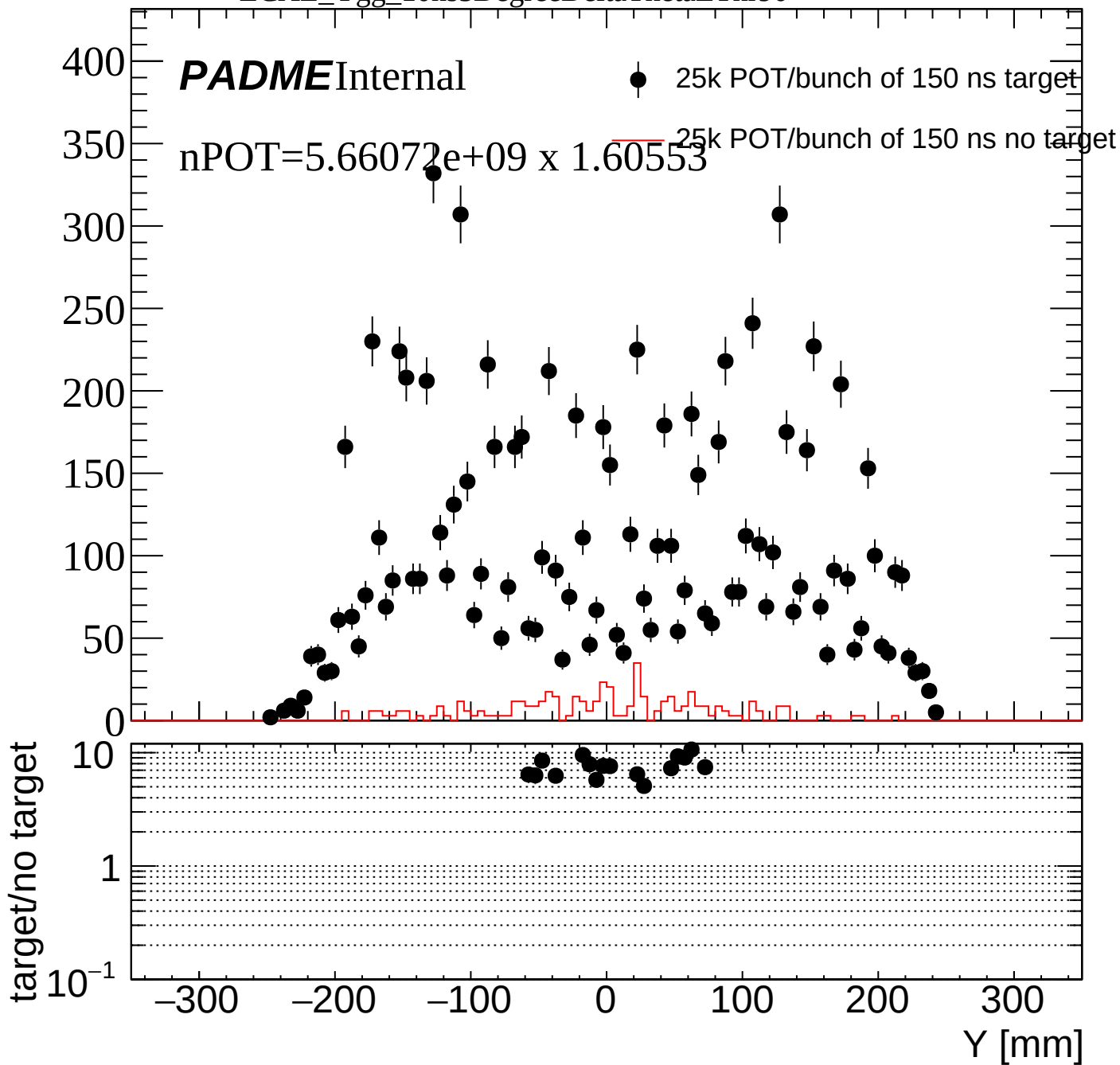
25k POT/bunch of 150 ns no target

target/no target

Y [mm]







ECAL\_Ygg\_10ns1CoG

***PADME***Internal

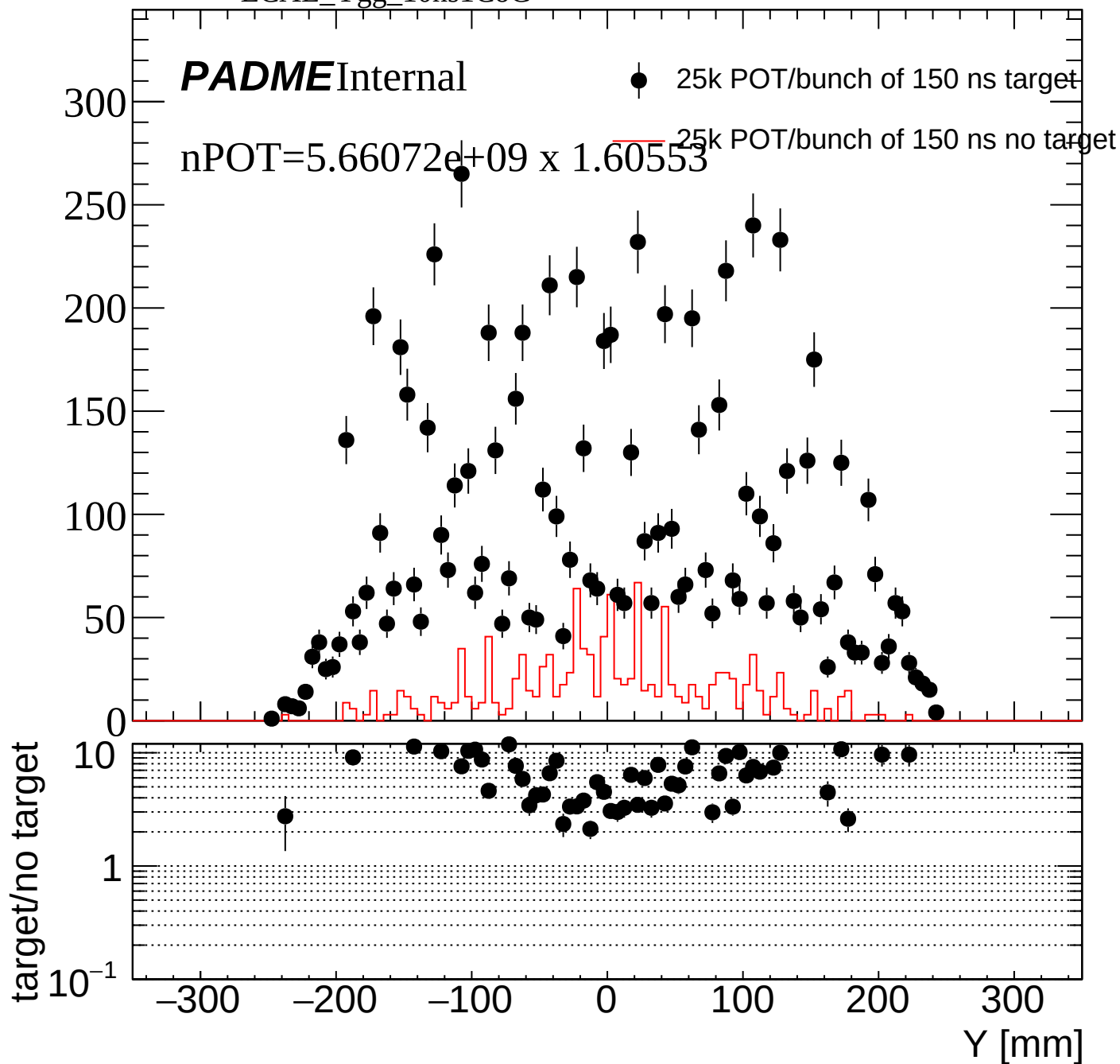
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



ECAL\_Ygg\_10ns1CoGUnderPeak

***PADME***Internal

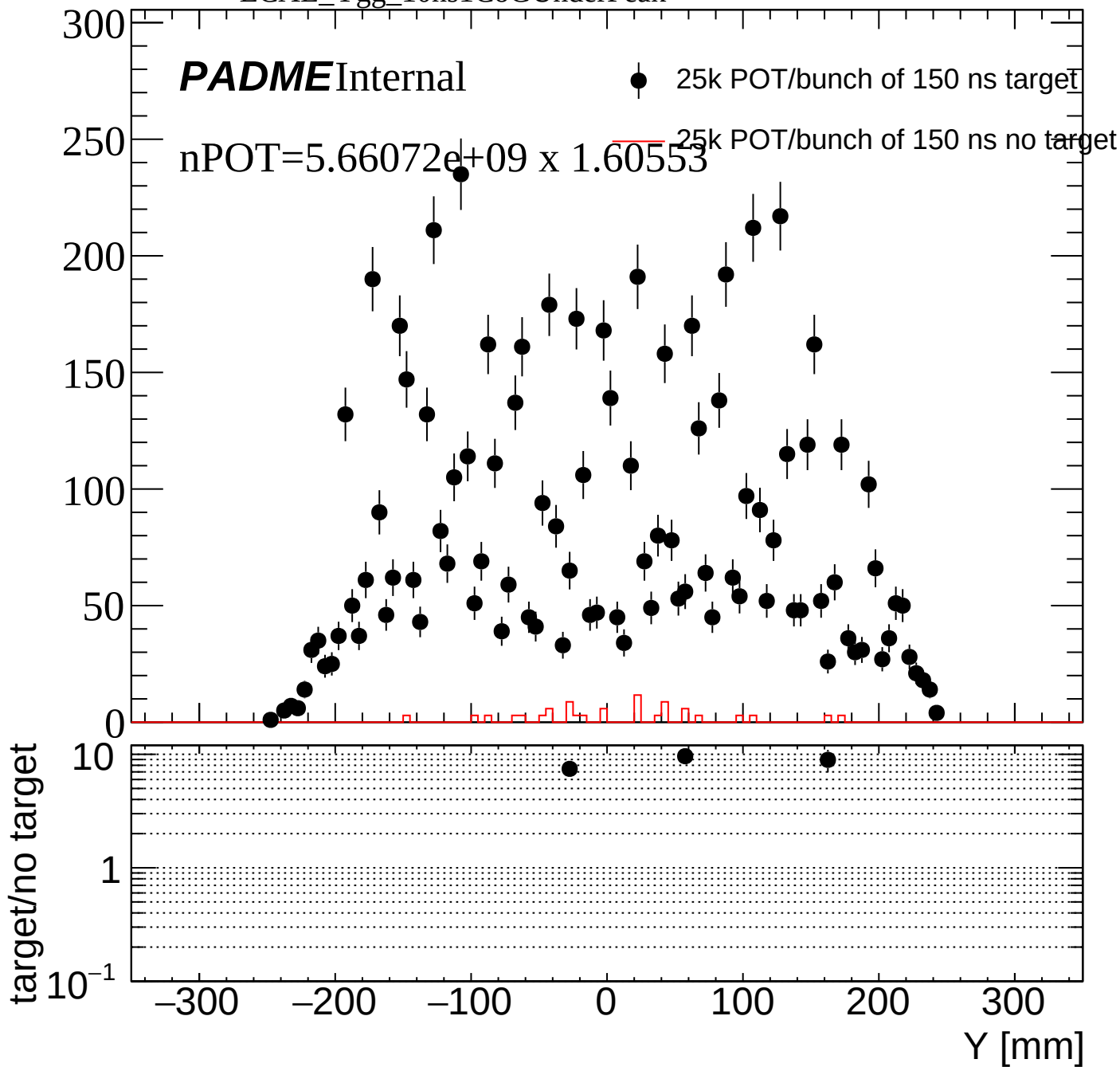
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



ECAL\_Ygg\_10ns1CoGUnderPeakEThr90

***PADME*** Internal

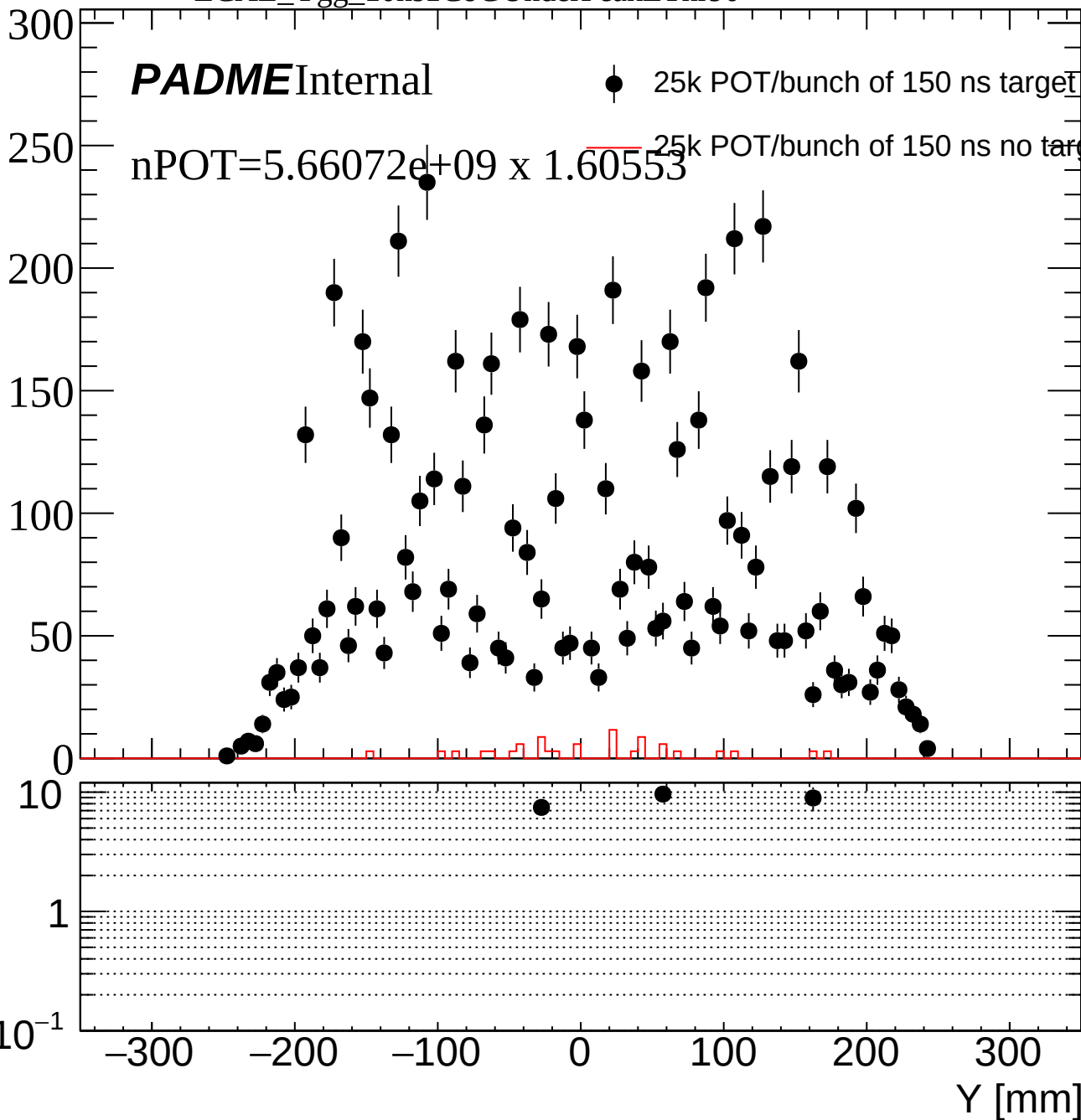
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



ECAL\_Ygg\_10ns1CoGEThr90

***PADME***Internal

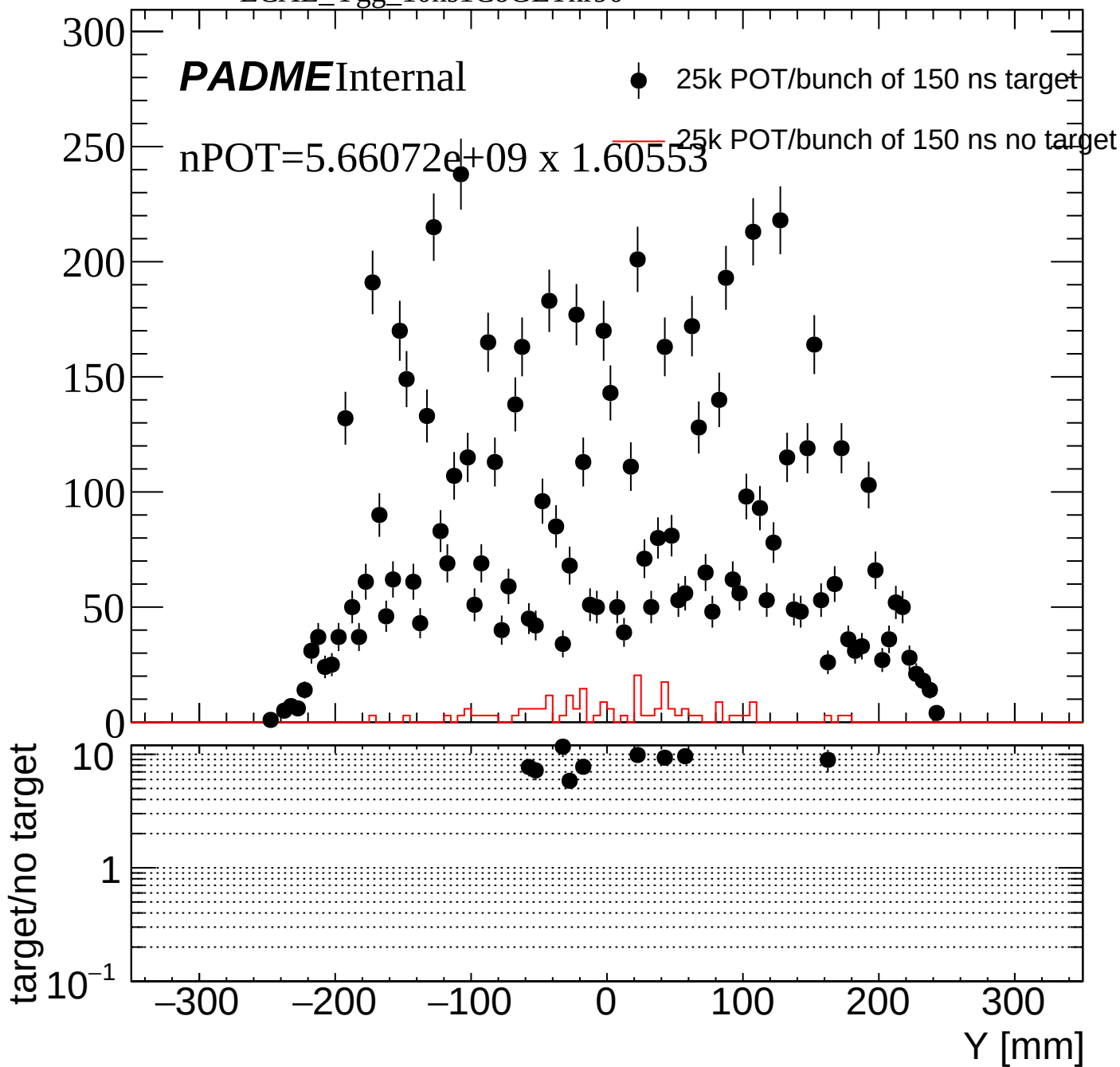
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



**PADME**Internal

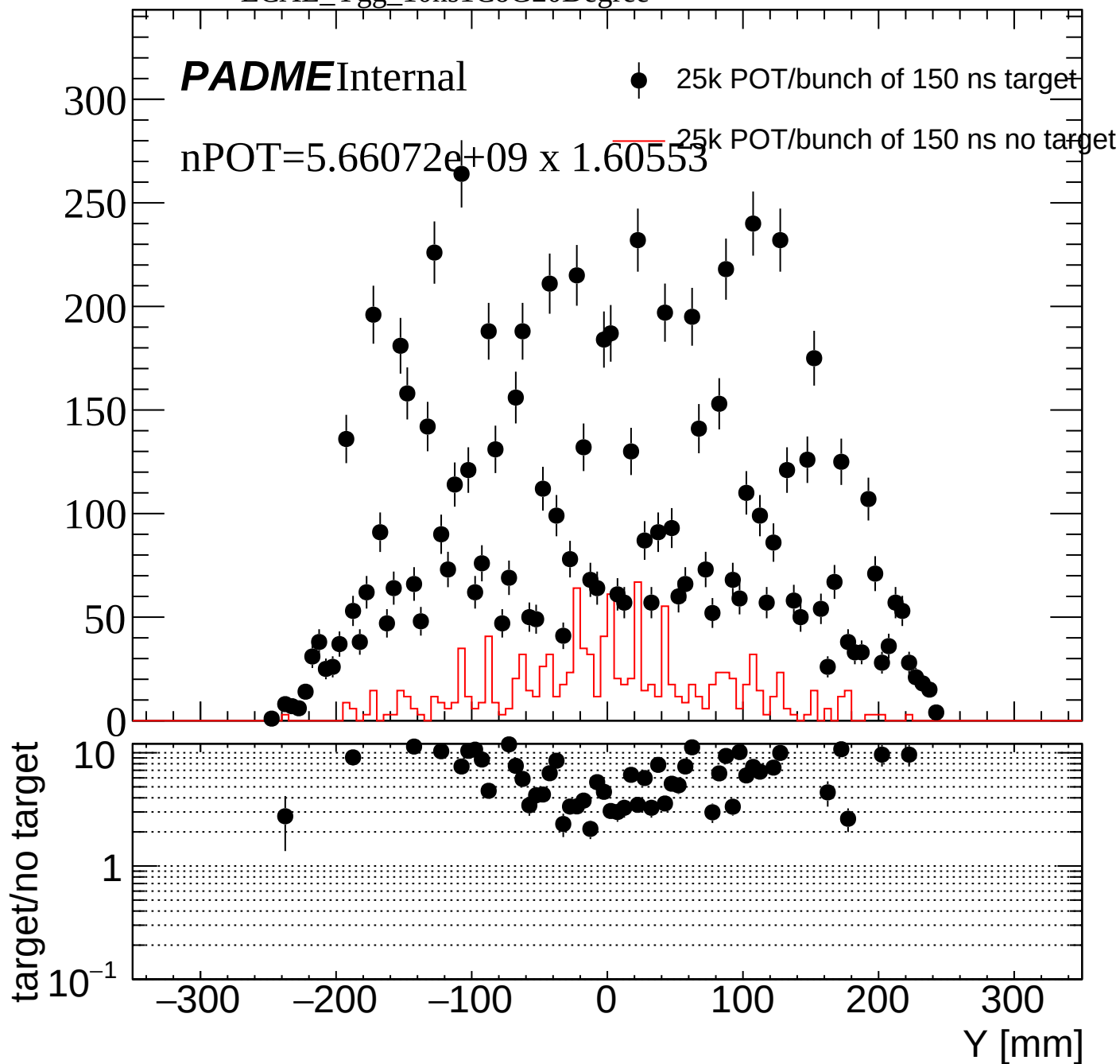
nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

target/no target

Y [mm]



ECAL\_Ygg\_10ns1CoG20DegreeDeltaTheta

***PADME*** Internal

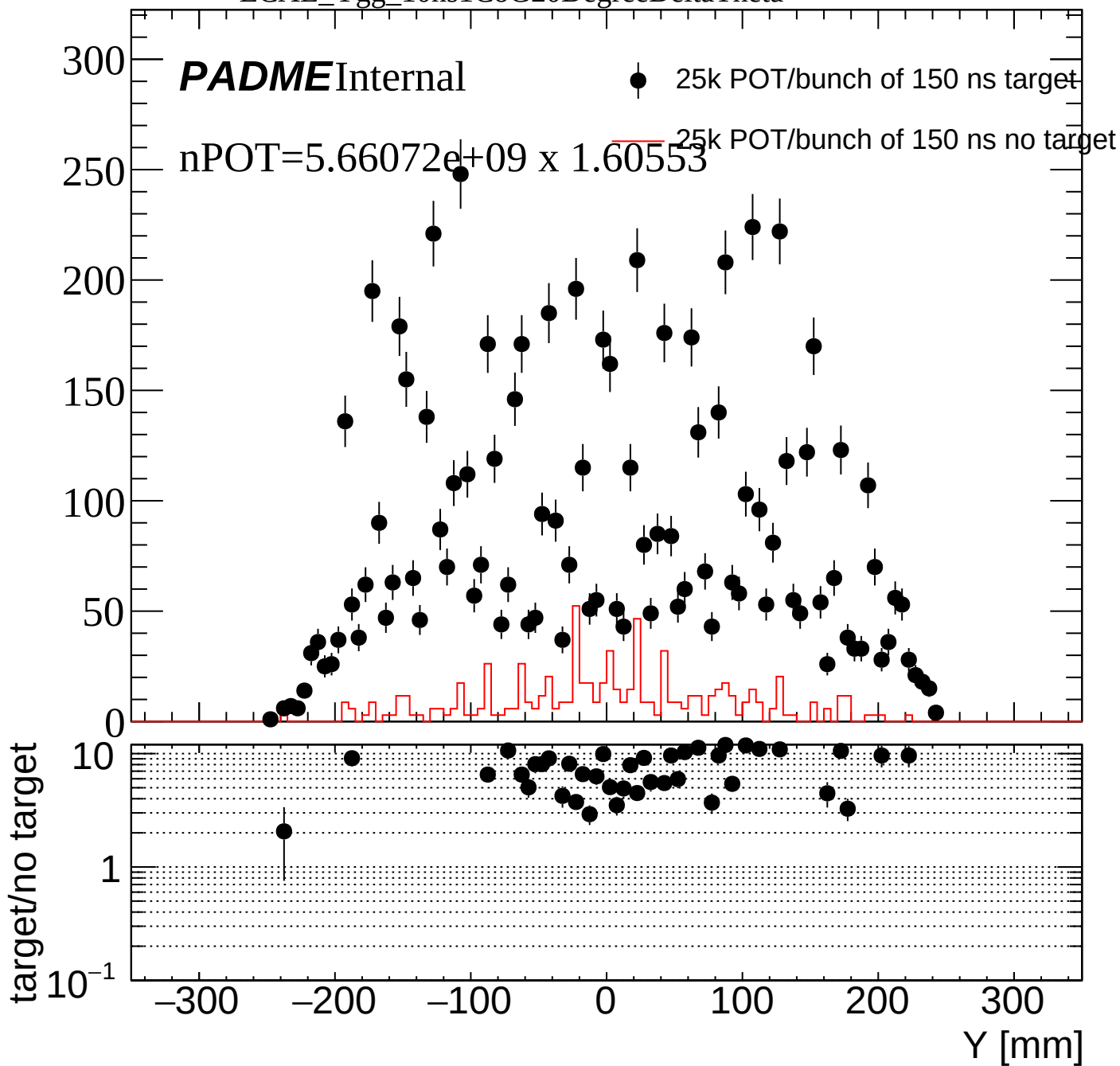
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

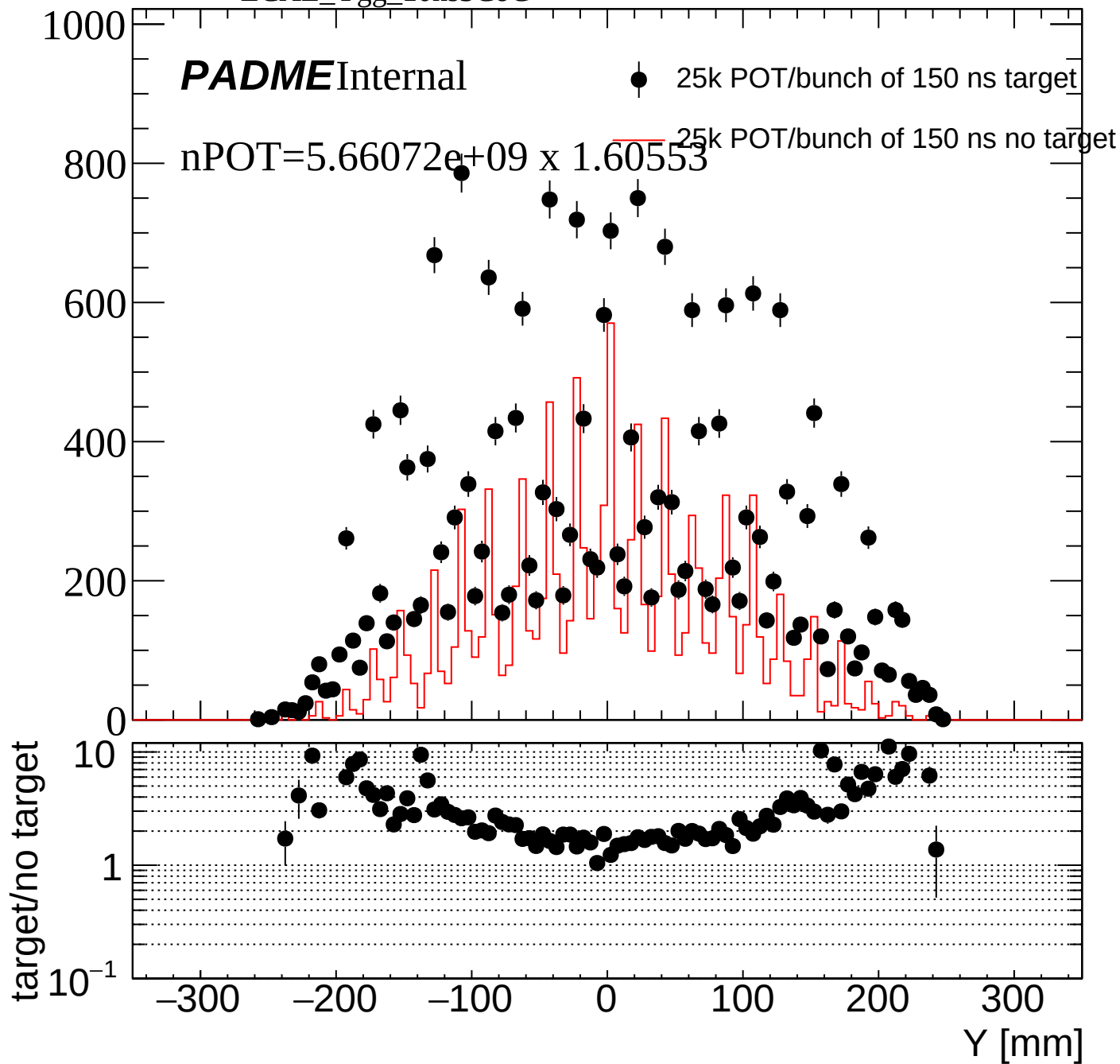
25k POT/bunch of 150 ns no target

target/no target

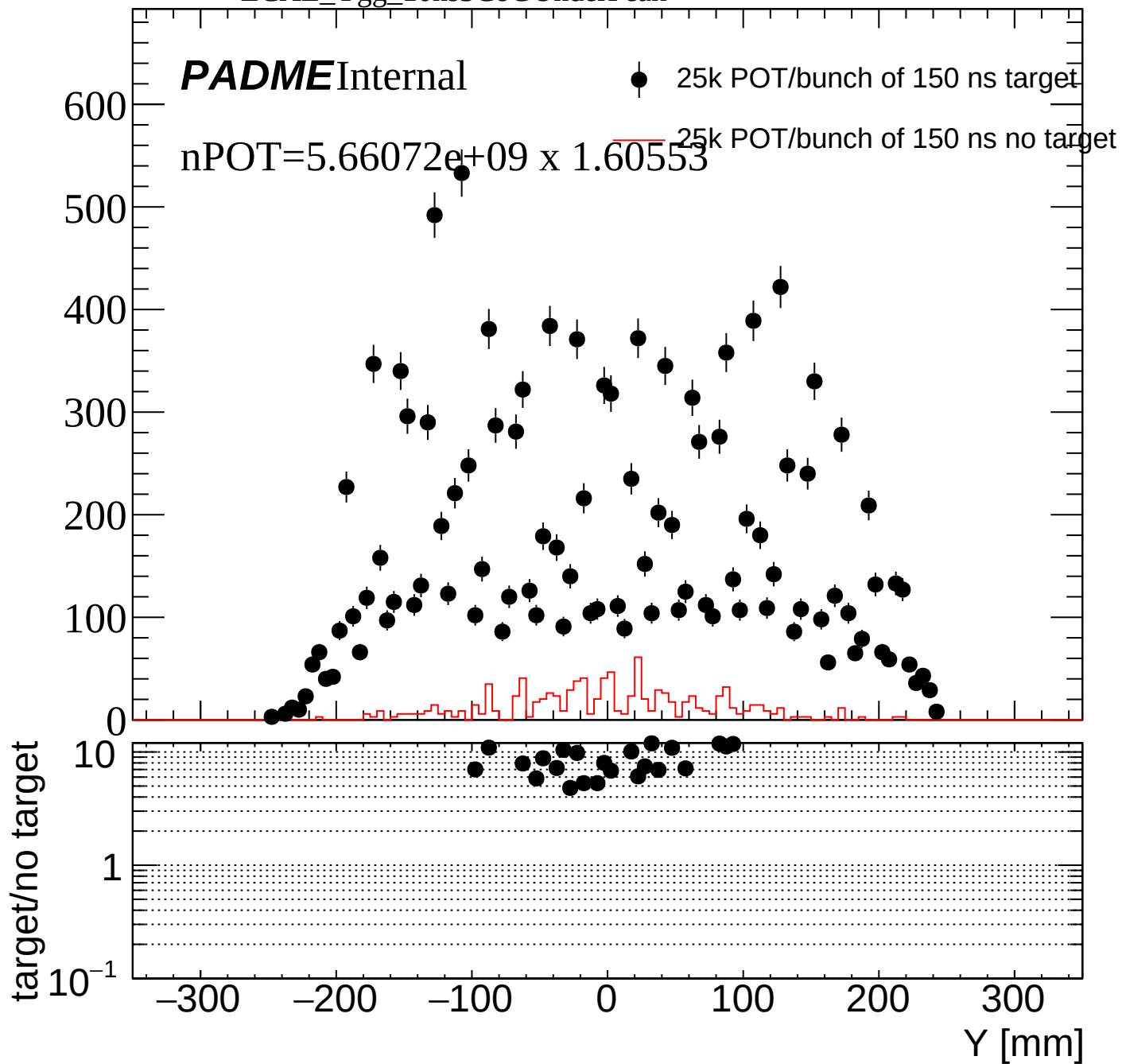
Y [mm]



ECAL\_Ygg\_10ns3CoG







ECAL\_Ygg\_10ns3CoGUnderPeakEThr90

***PADME***Internal

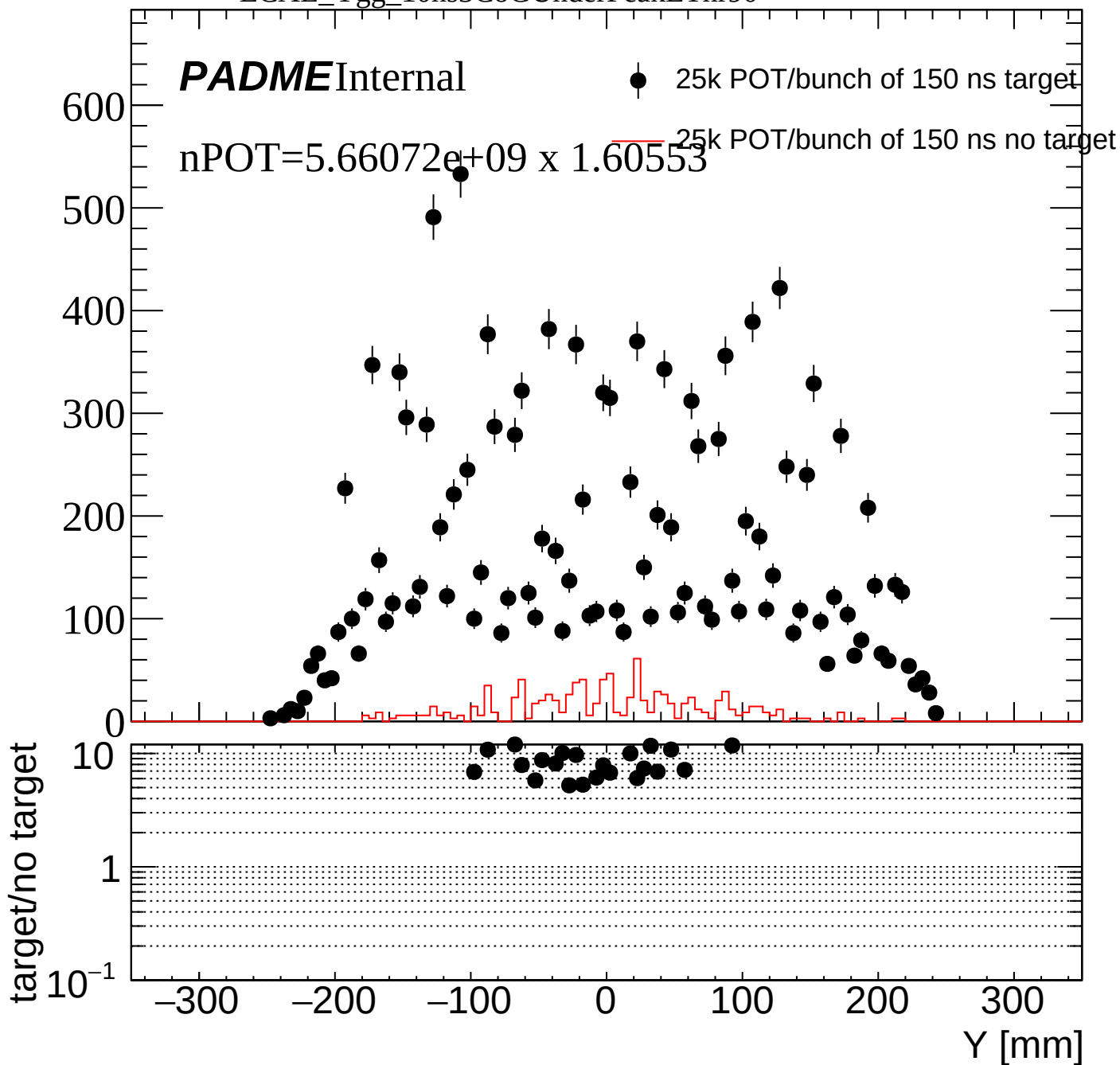
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



**PADME**Internal

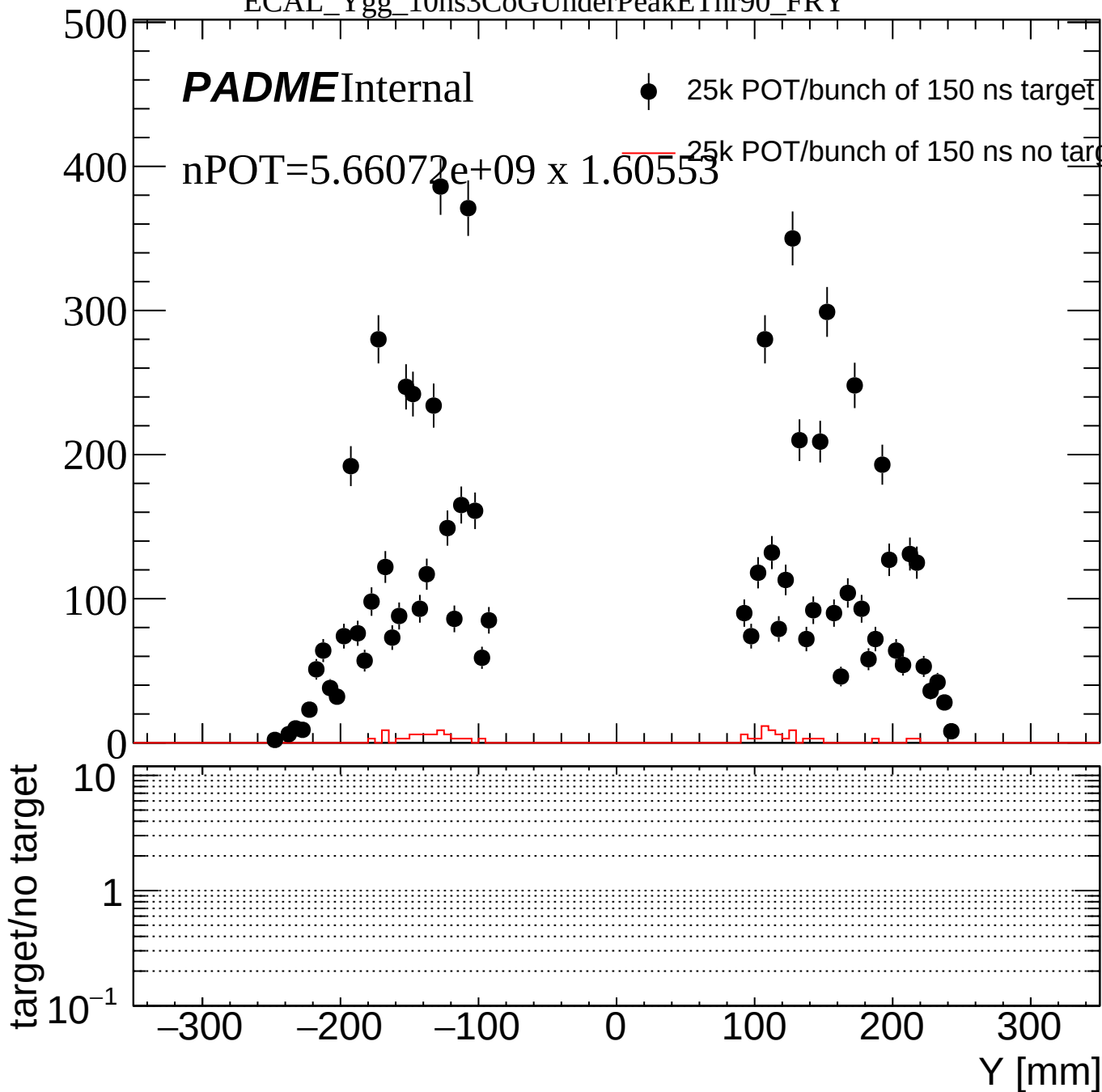
● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

nPOT=5.66072e+09 x 1.60553

target/no target

Y [mm]



ECAL\_Ygg\_10ns3CoGEThr90

***PADME***Internal

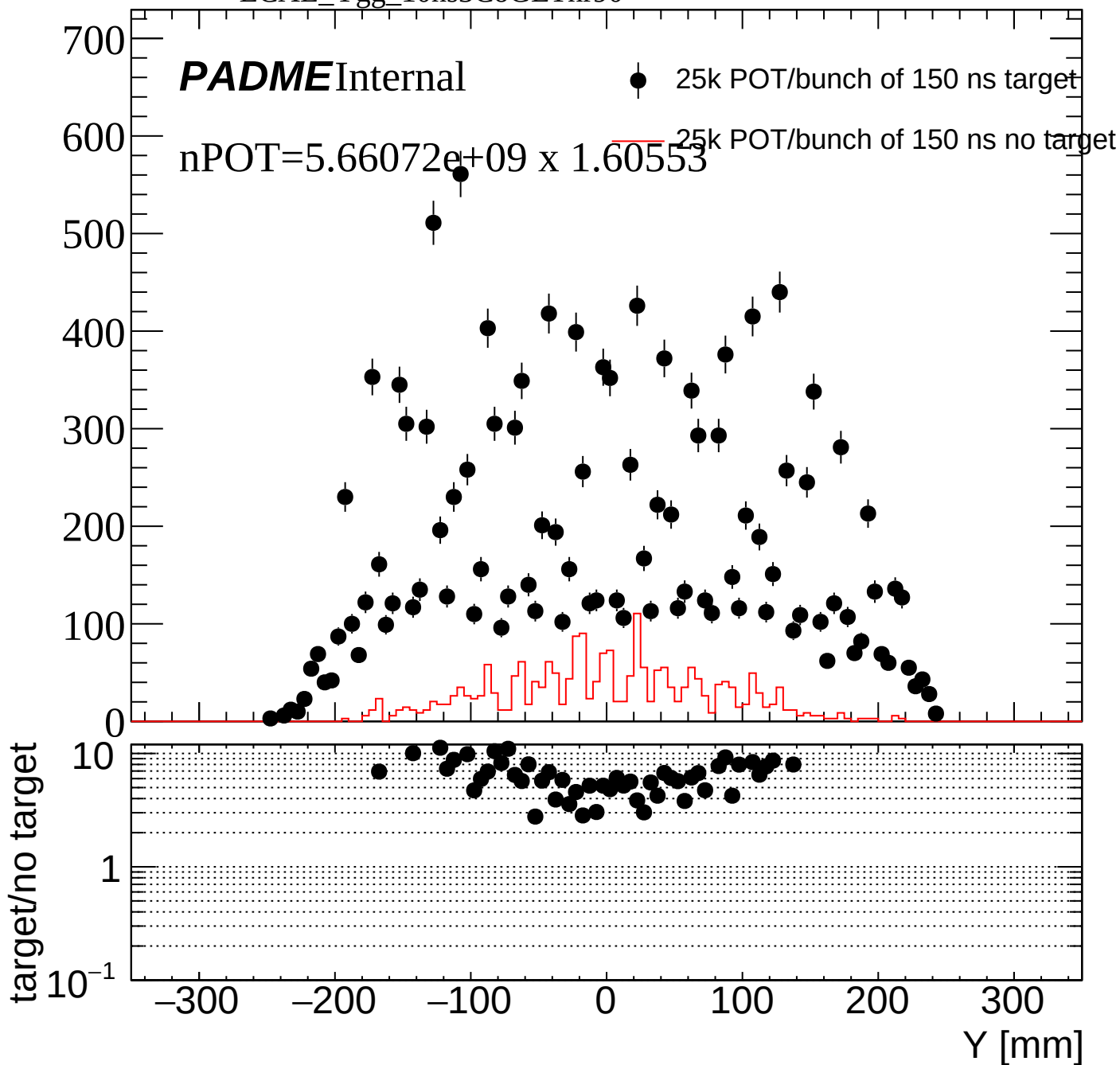
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

Y [mm]



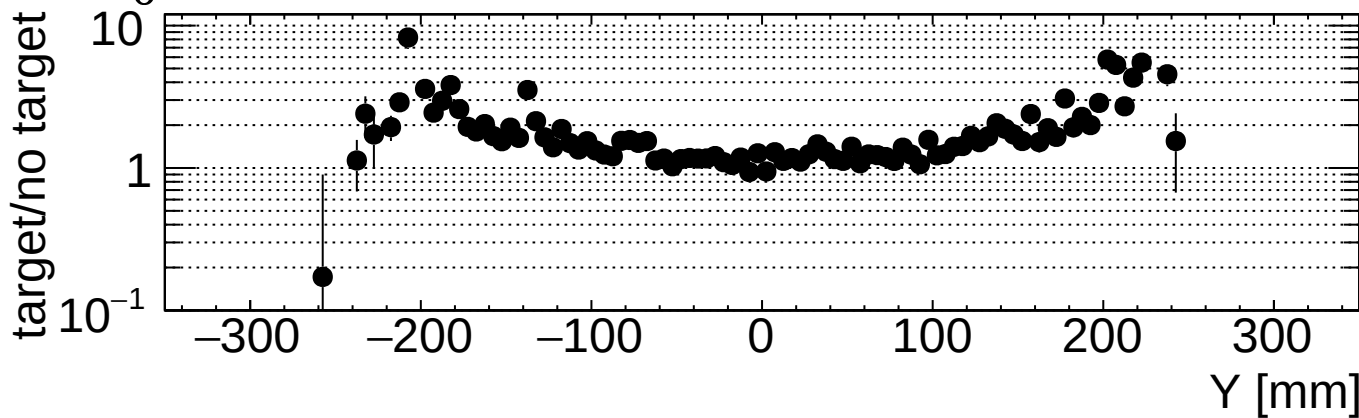
ECAL\_Ygg\_10ns5CoG

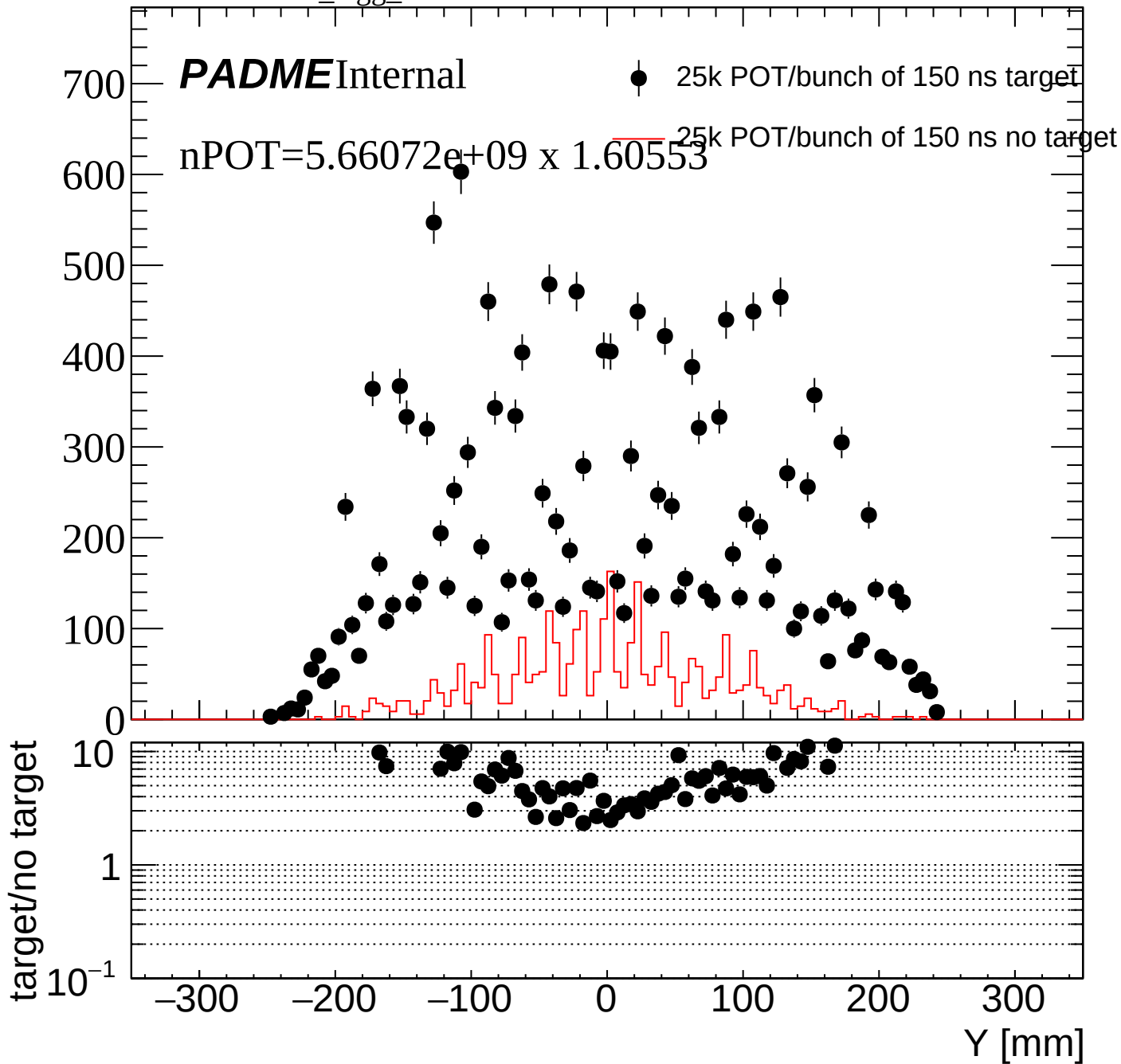
***PADME***Internal

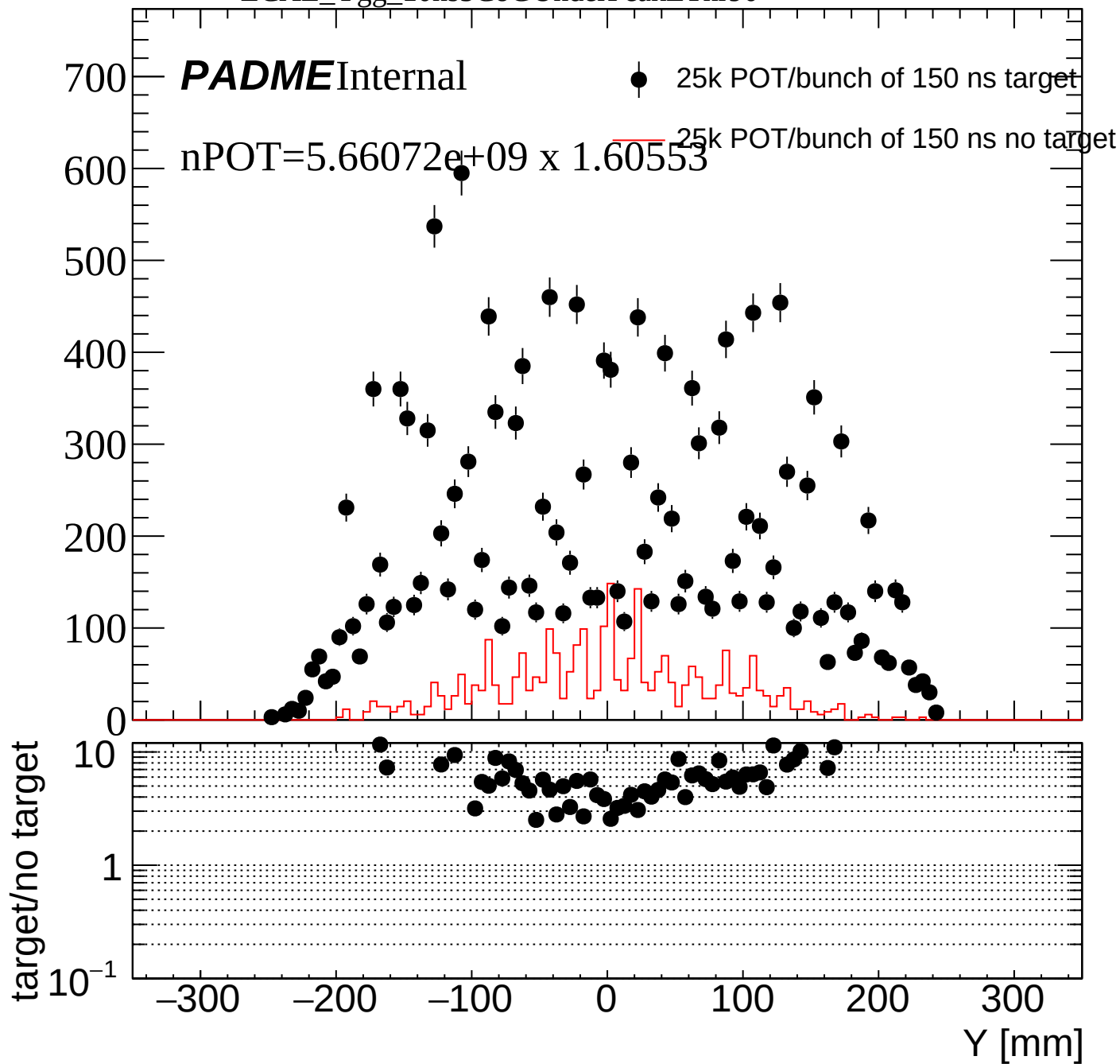
nPOT=5.66072e+09 x 1.60553

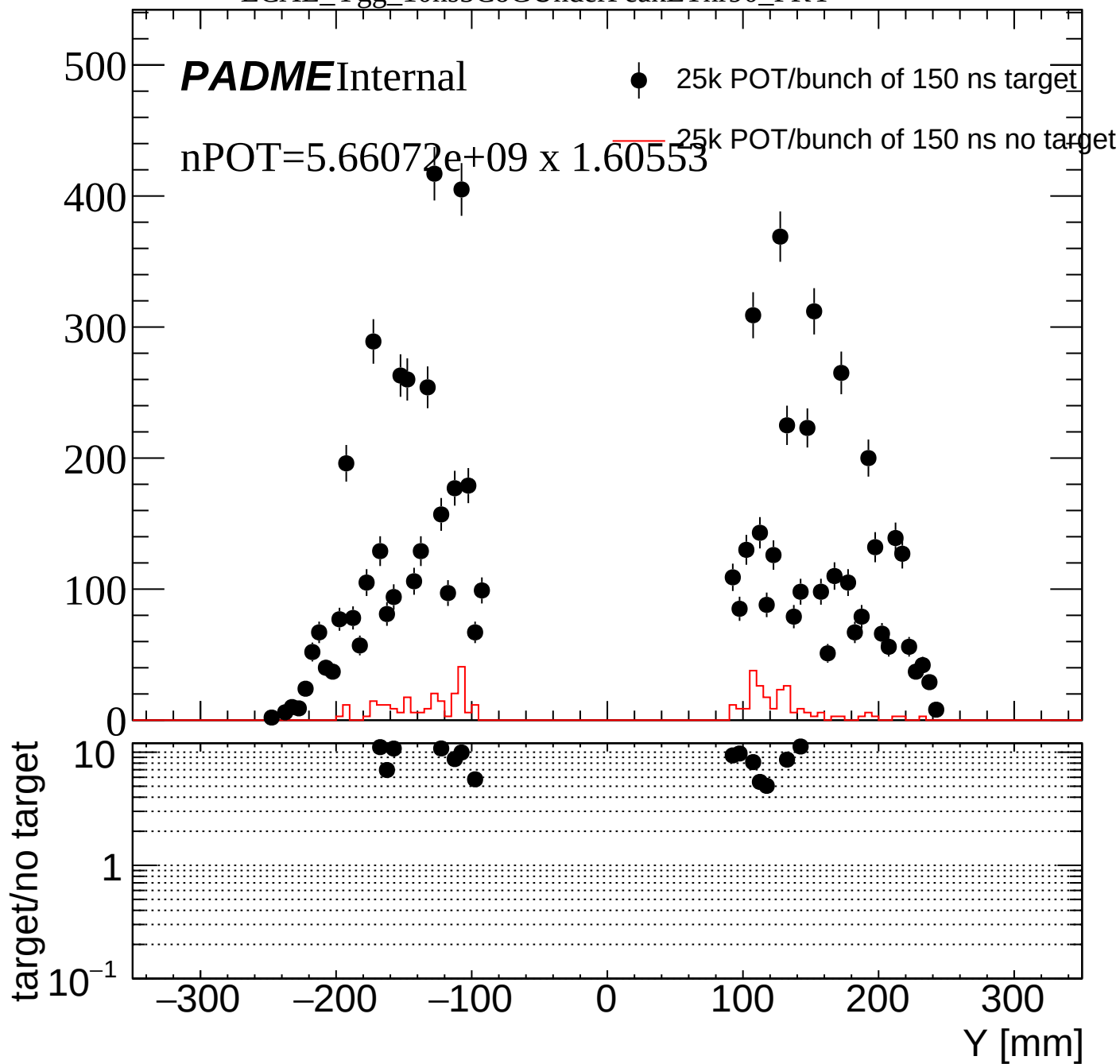
25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

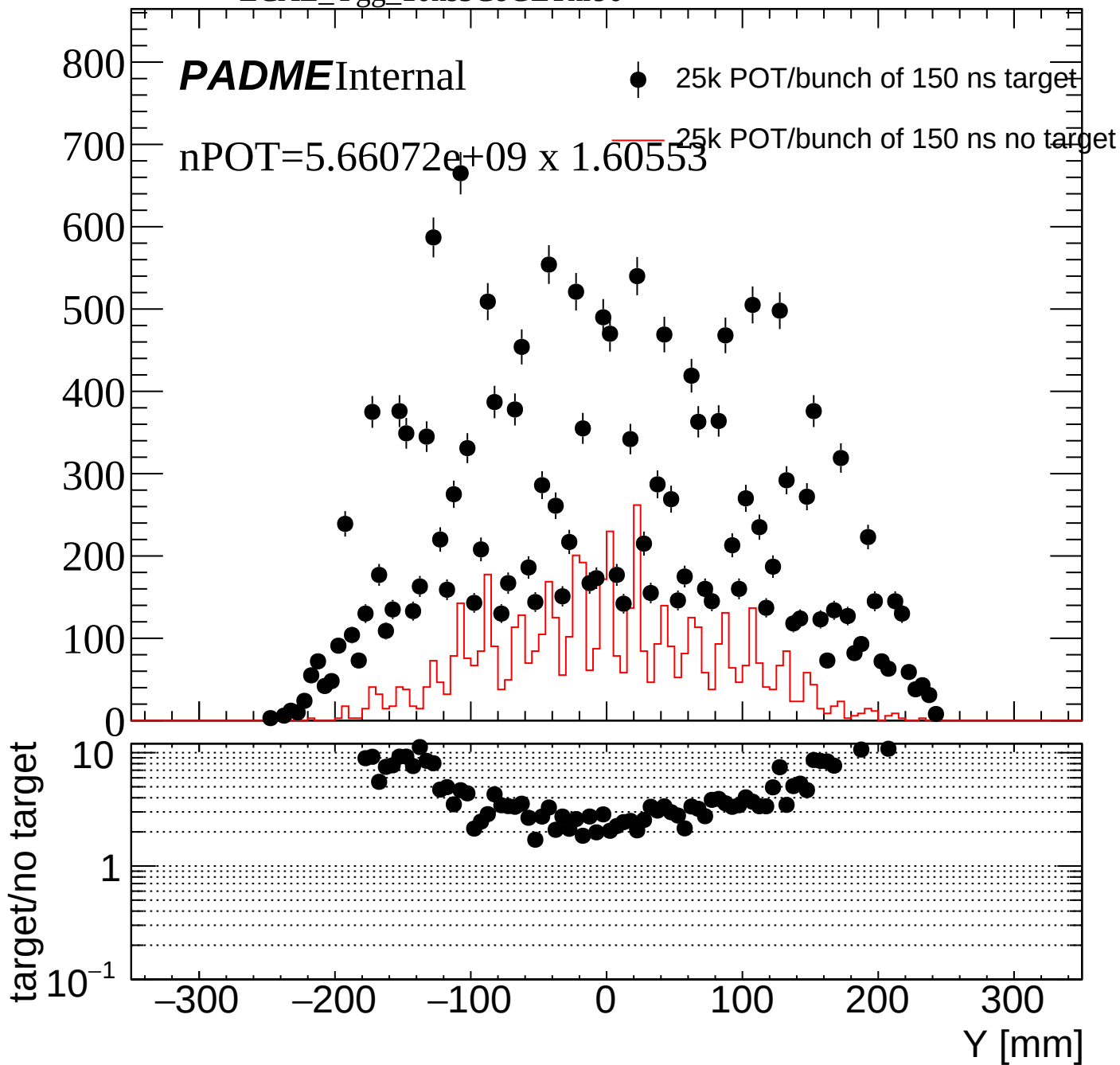


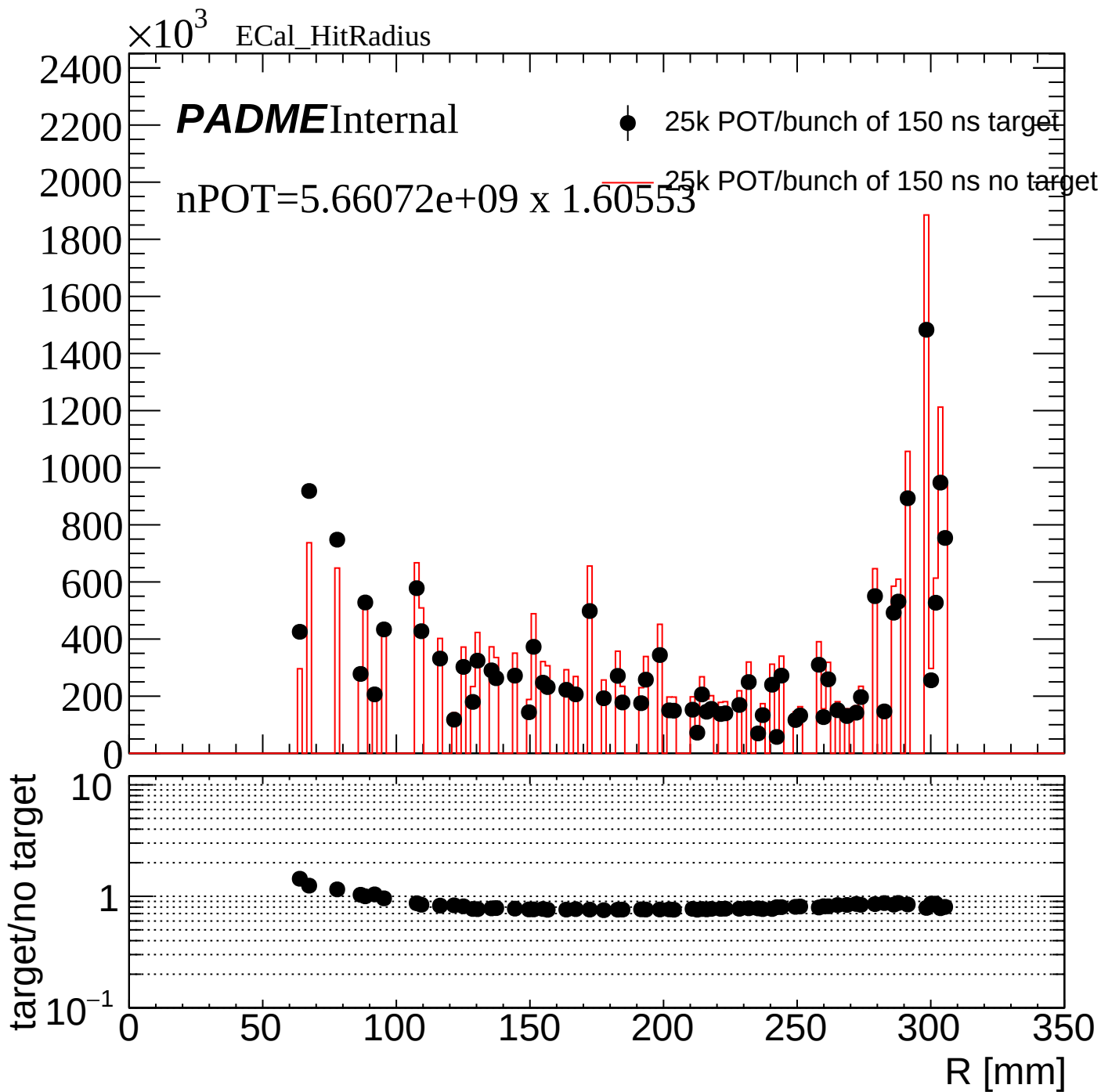




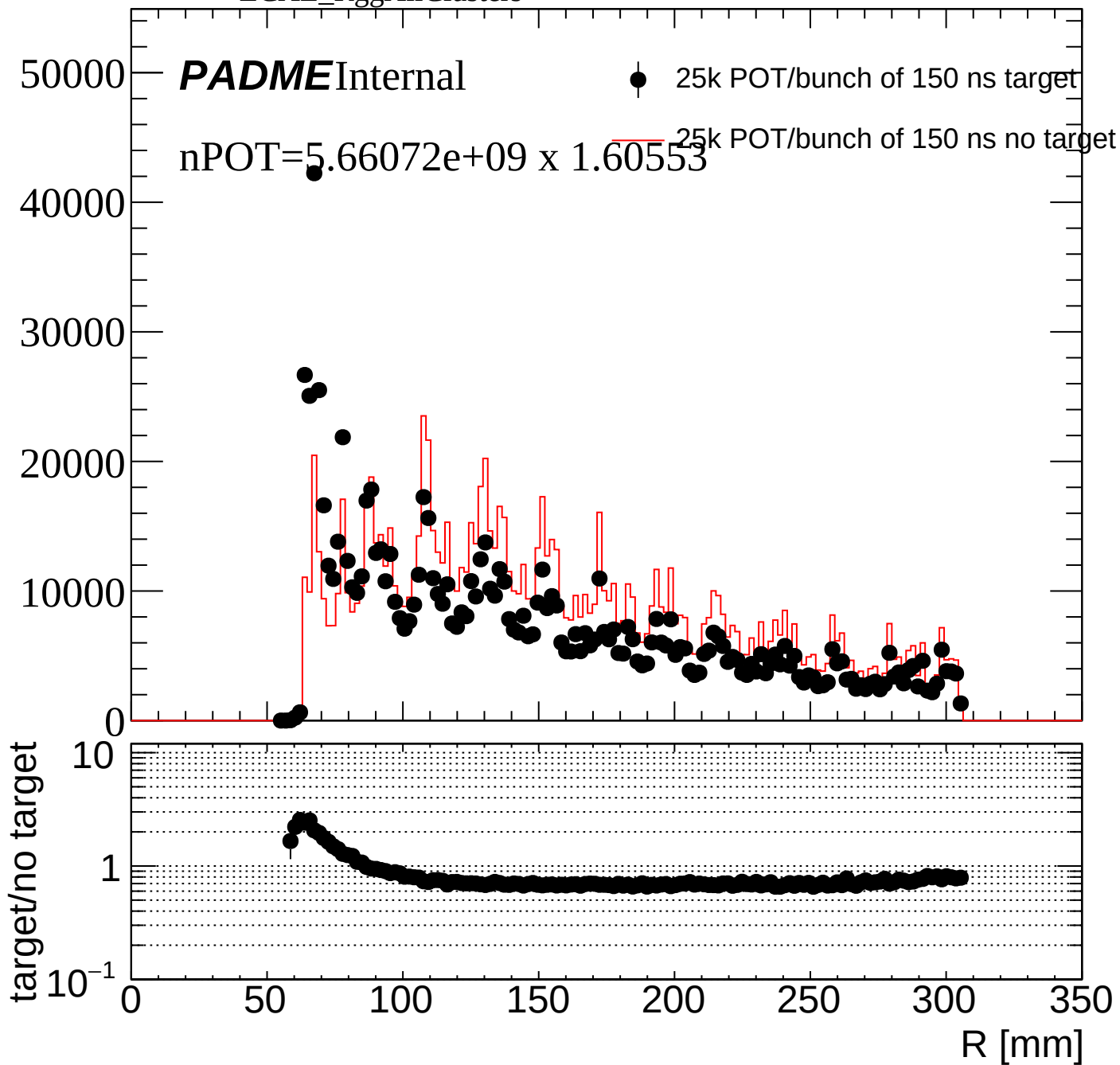








ECAL\_RggAllClusters



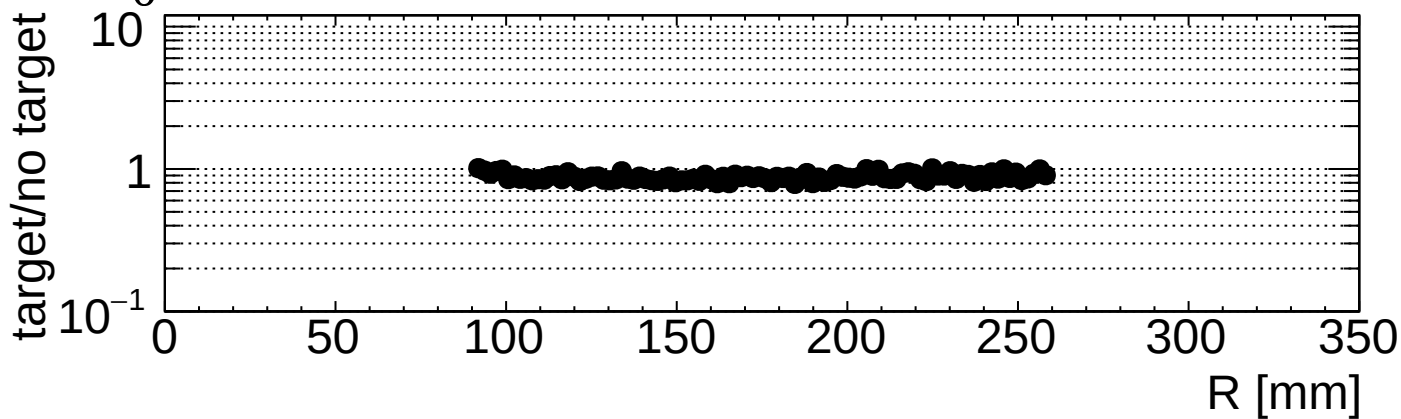
ECAL\_Rgg\_10ns

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



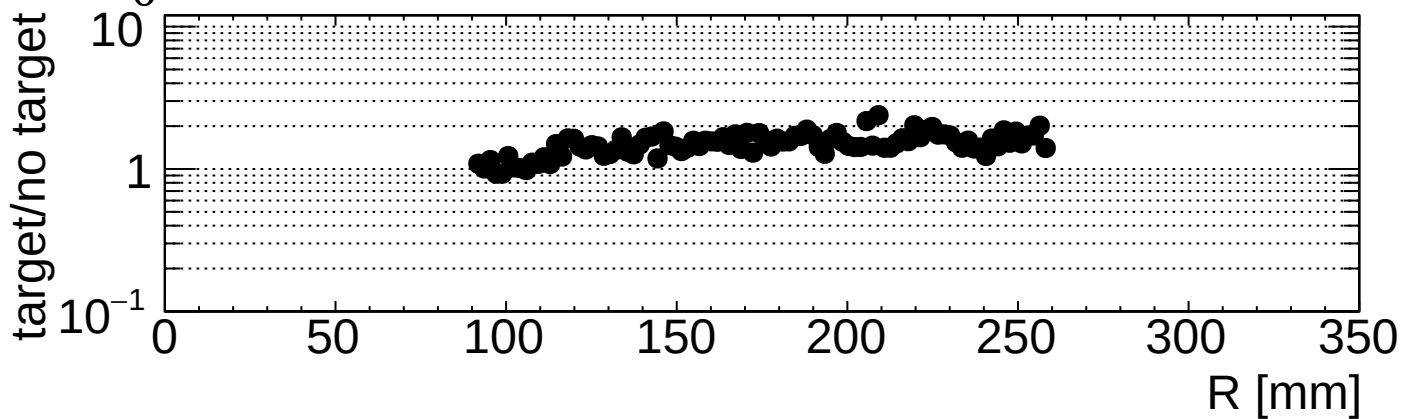
ECAL\_Rgg\_10ns20Degree

***PADME***Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

— 25k POT/bunch of 150 ns no target



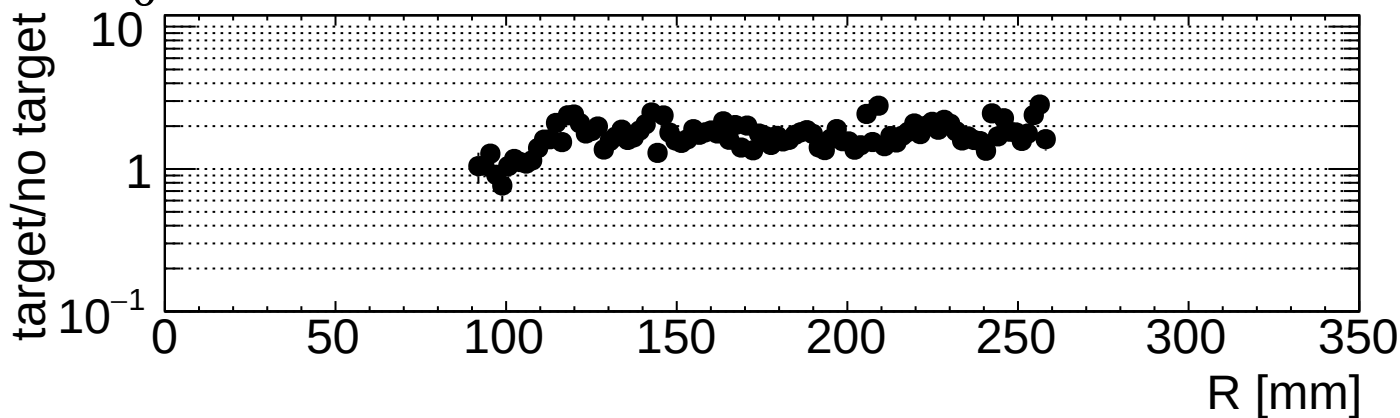
ECAL\_Rgg\_10ns20DegreeDeltaTheta

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target



ECAL\_Rgg\_10ns1CoG

***PADME***Internal

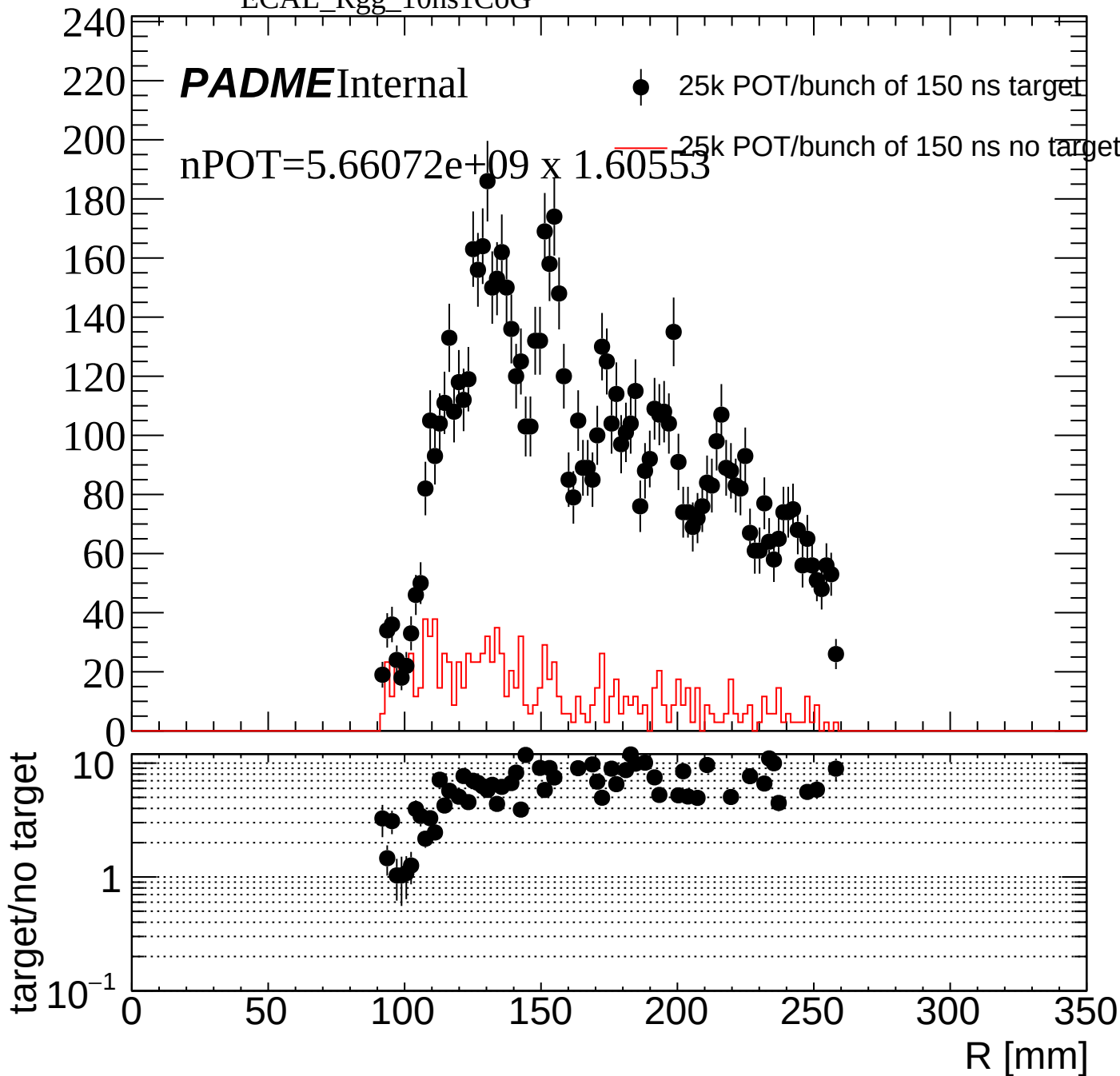
nPOT=5.66072e+09 x 1.60553

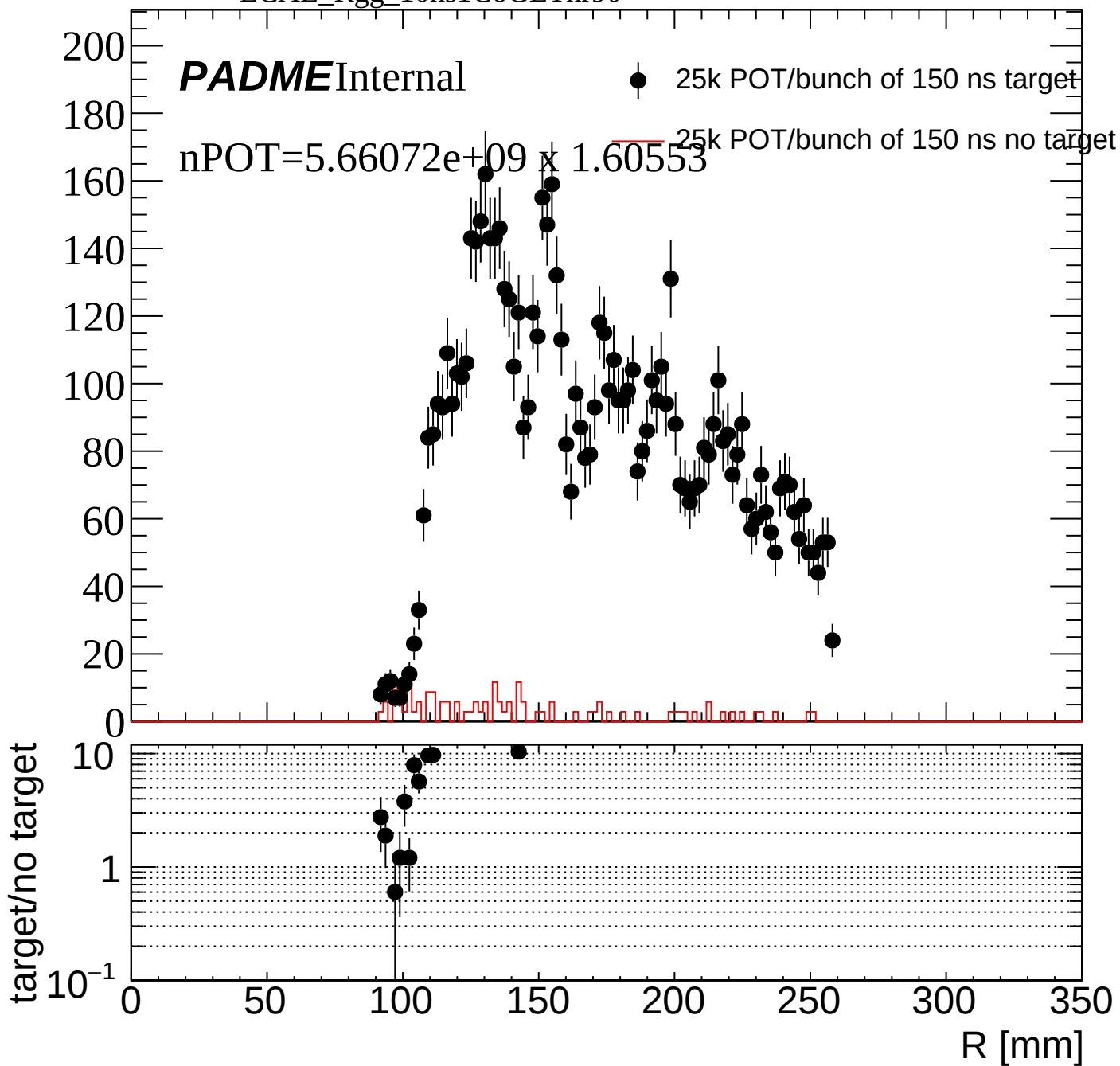
25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

R [mm]







ECAL\_Rgg\_10ns1CoG20Degree

***PADME***Internal

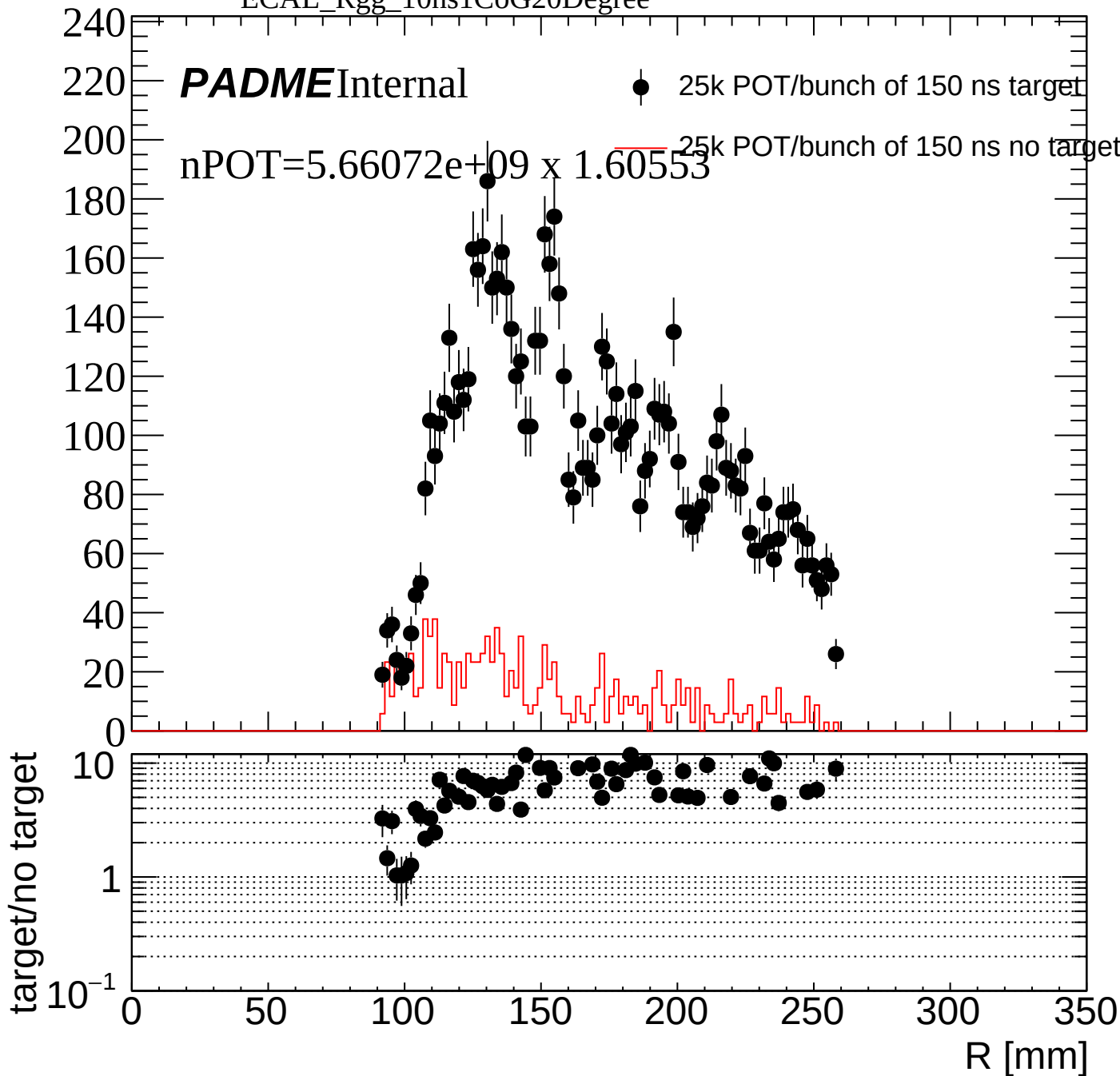
nPOT=5.66072e+09 x 1.60553

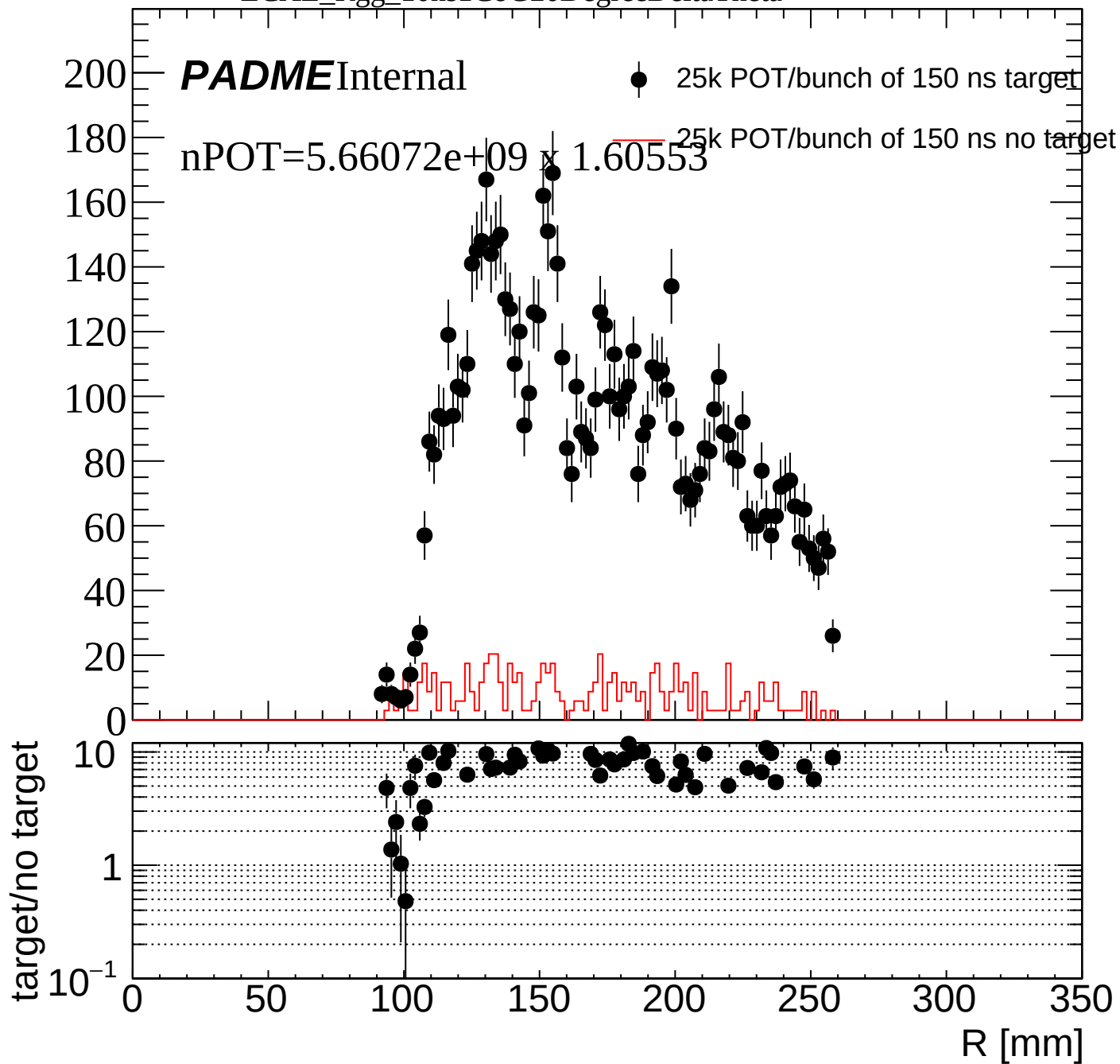
25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

R [mm]





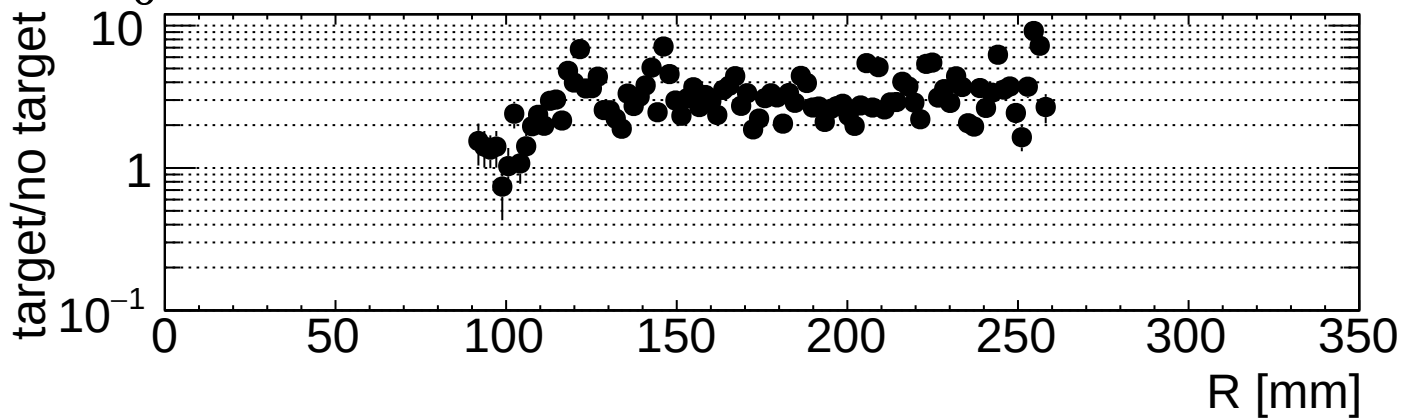
ECAL\_Rgg\_10ns5DegreeDeltaTheta

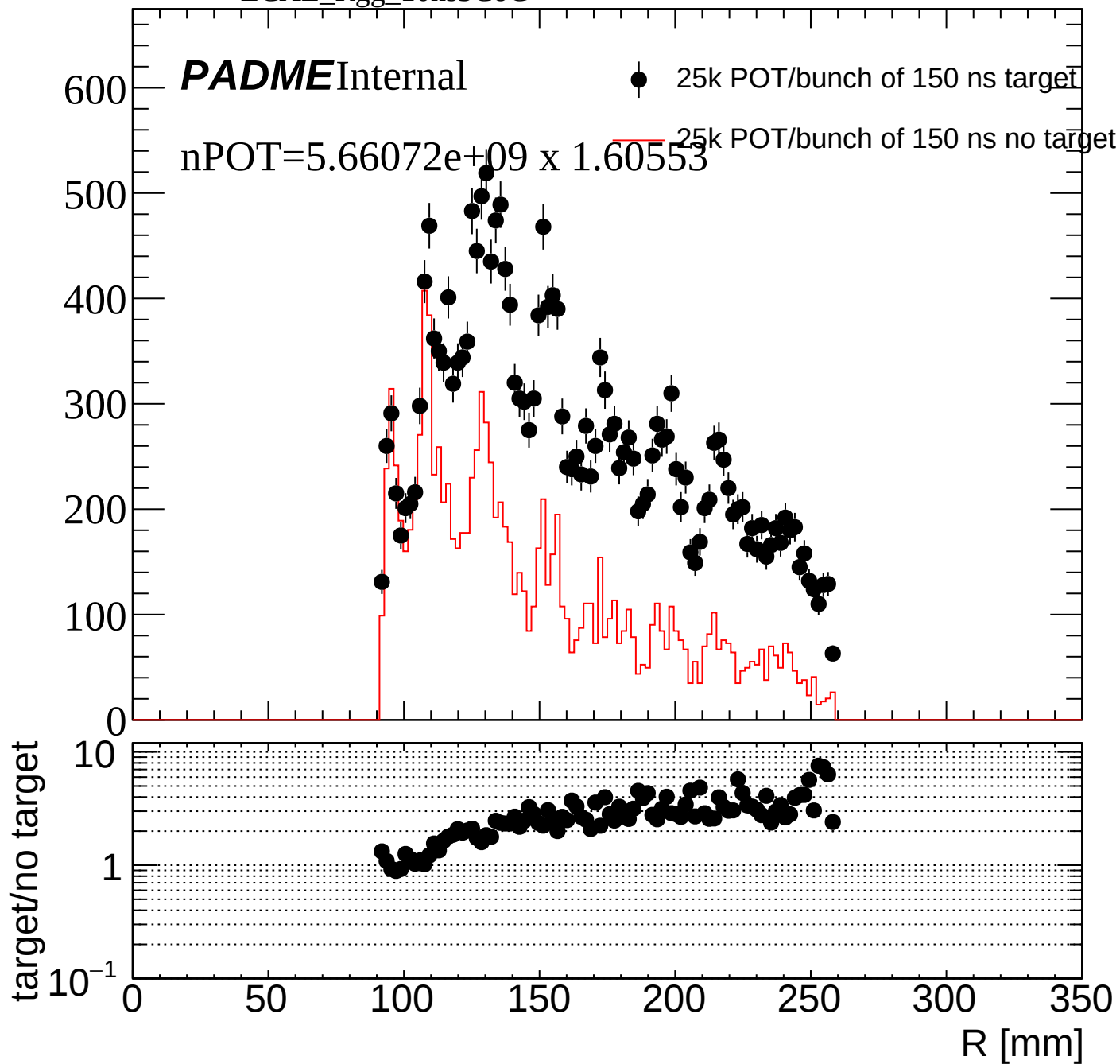
***PADME***Internal

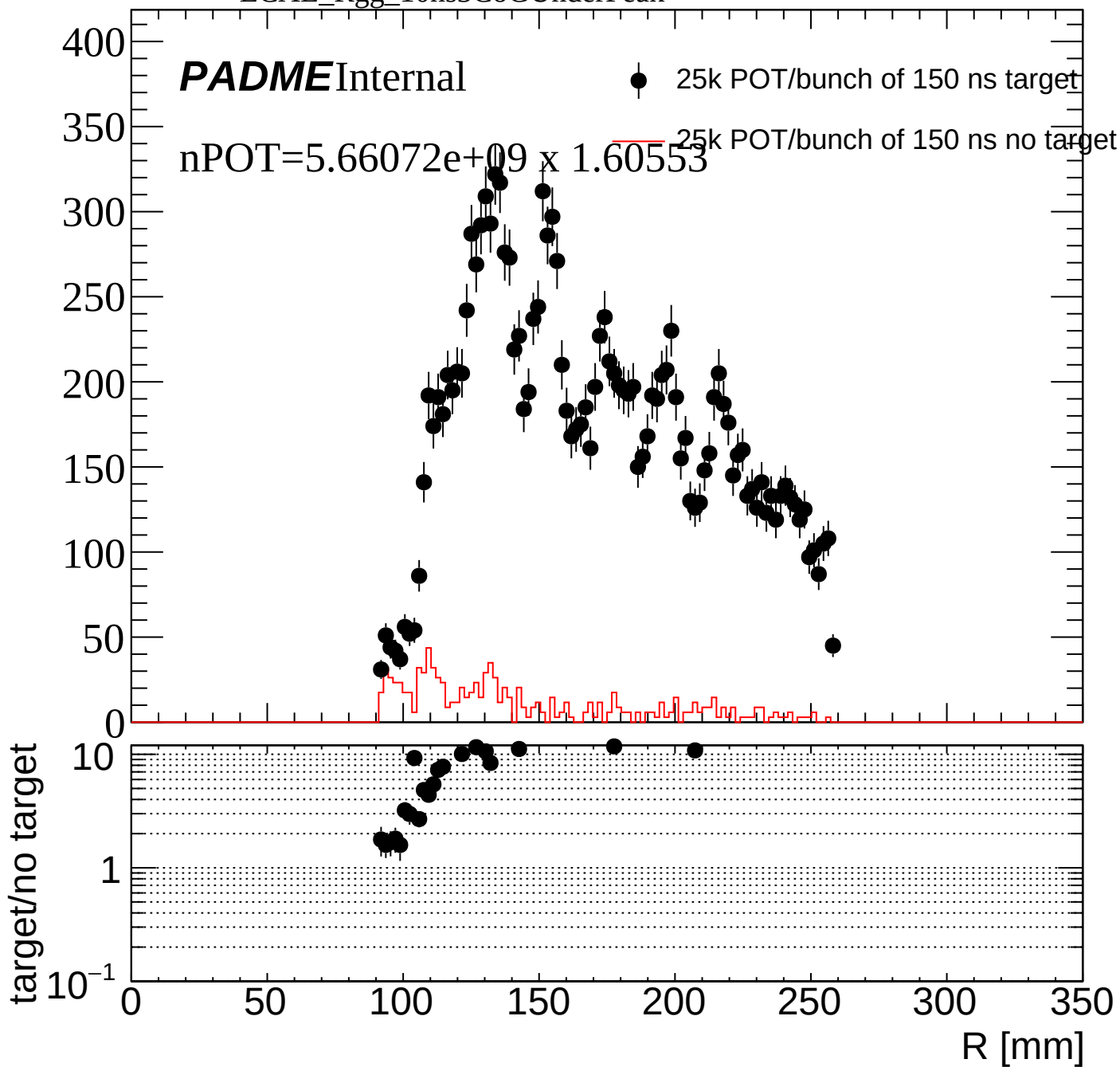
nPOT=5.66072e+09 x 1.60553

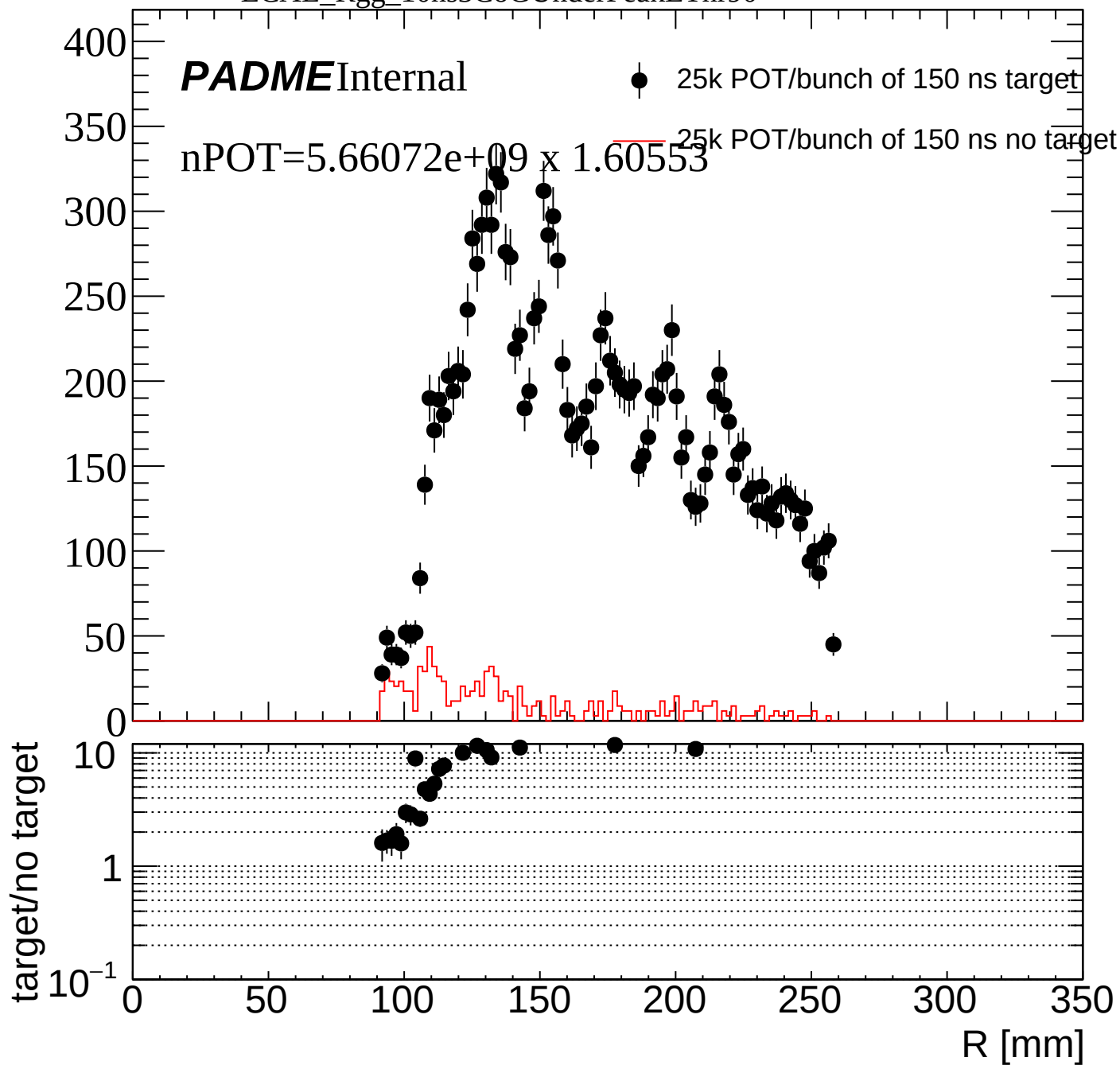
● 25k POT/bunch of 150 ns target

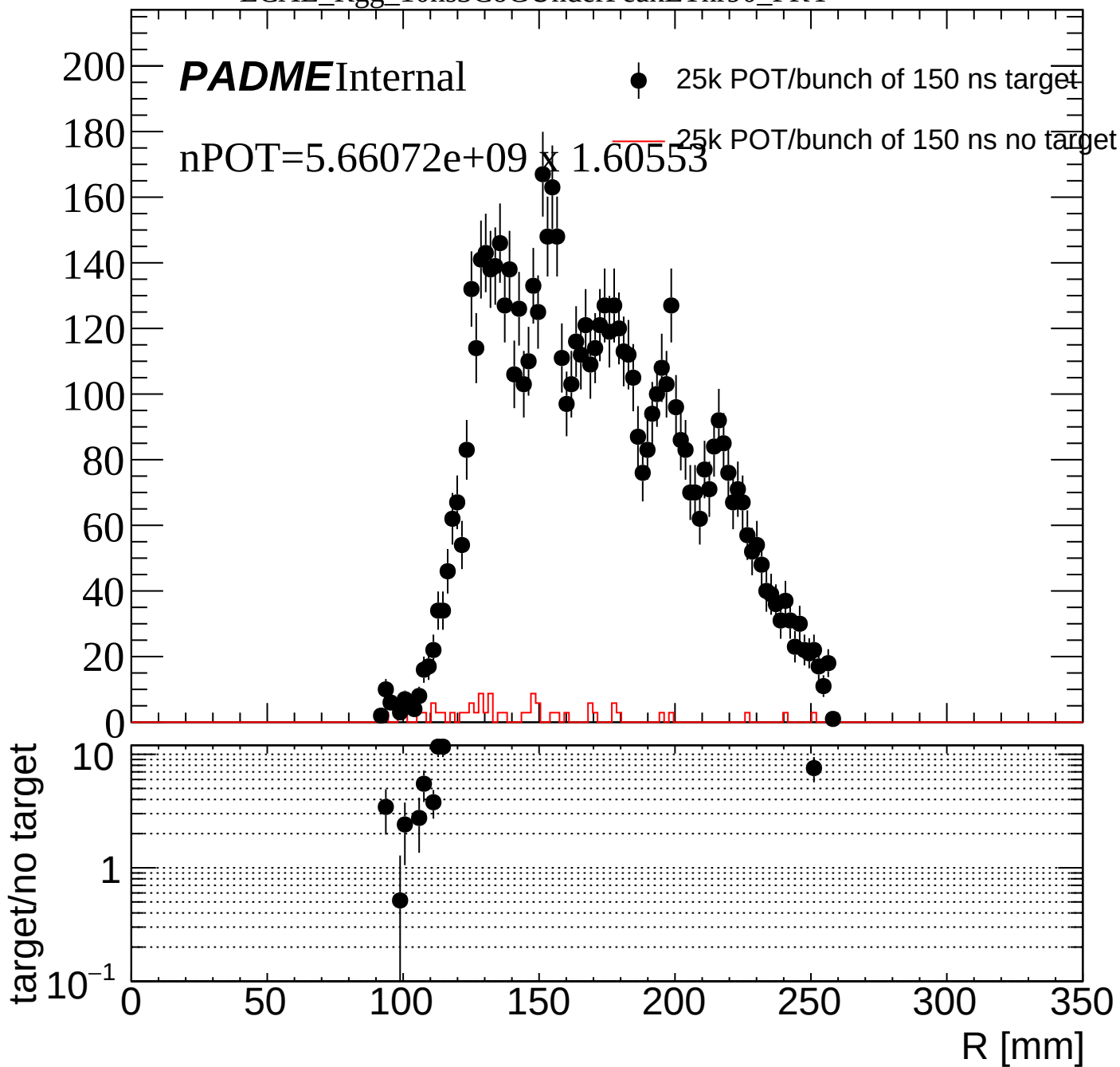
— 25k POT/bunch of 150 ns no target

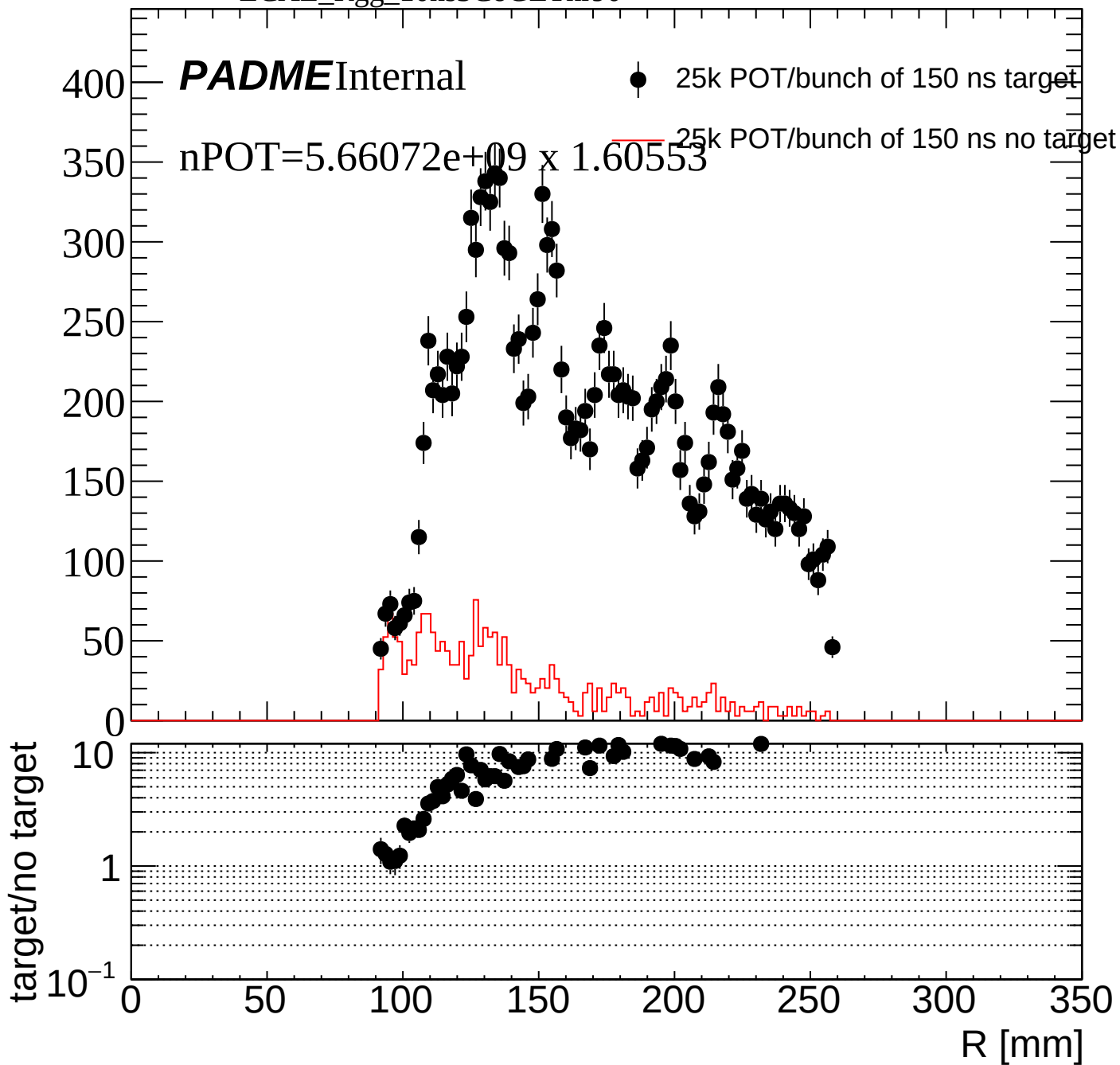










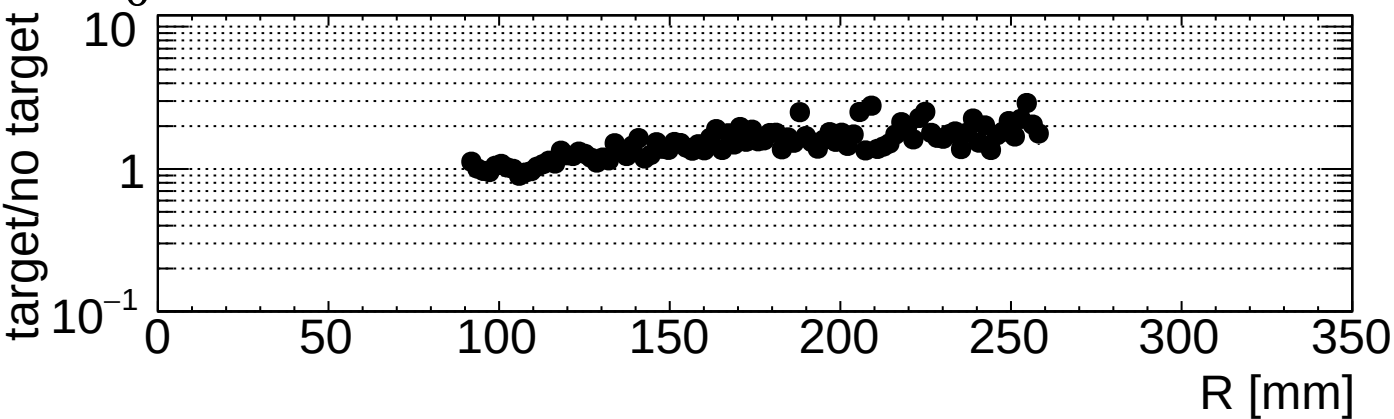


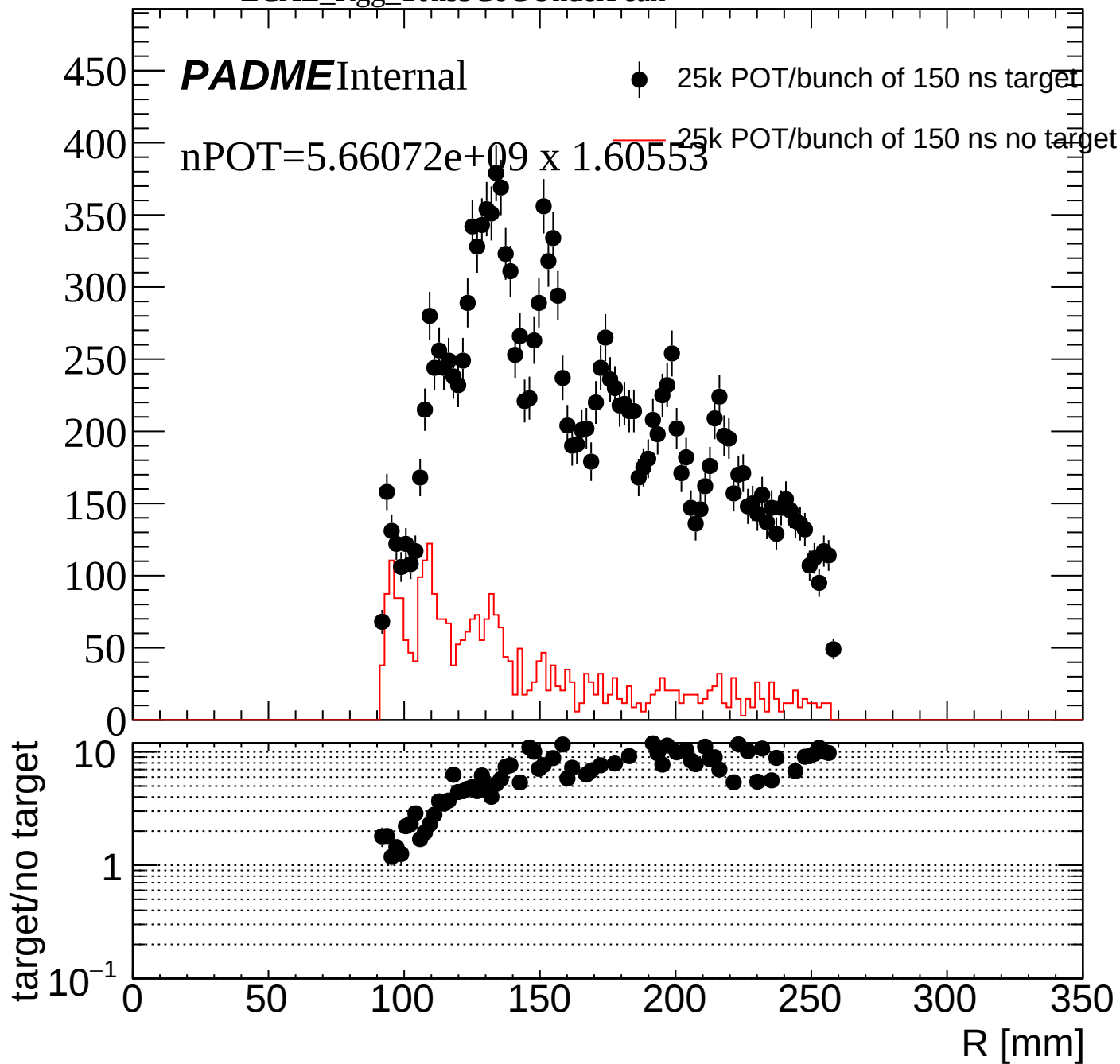


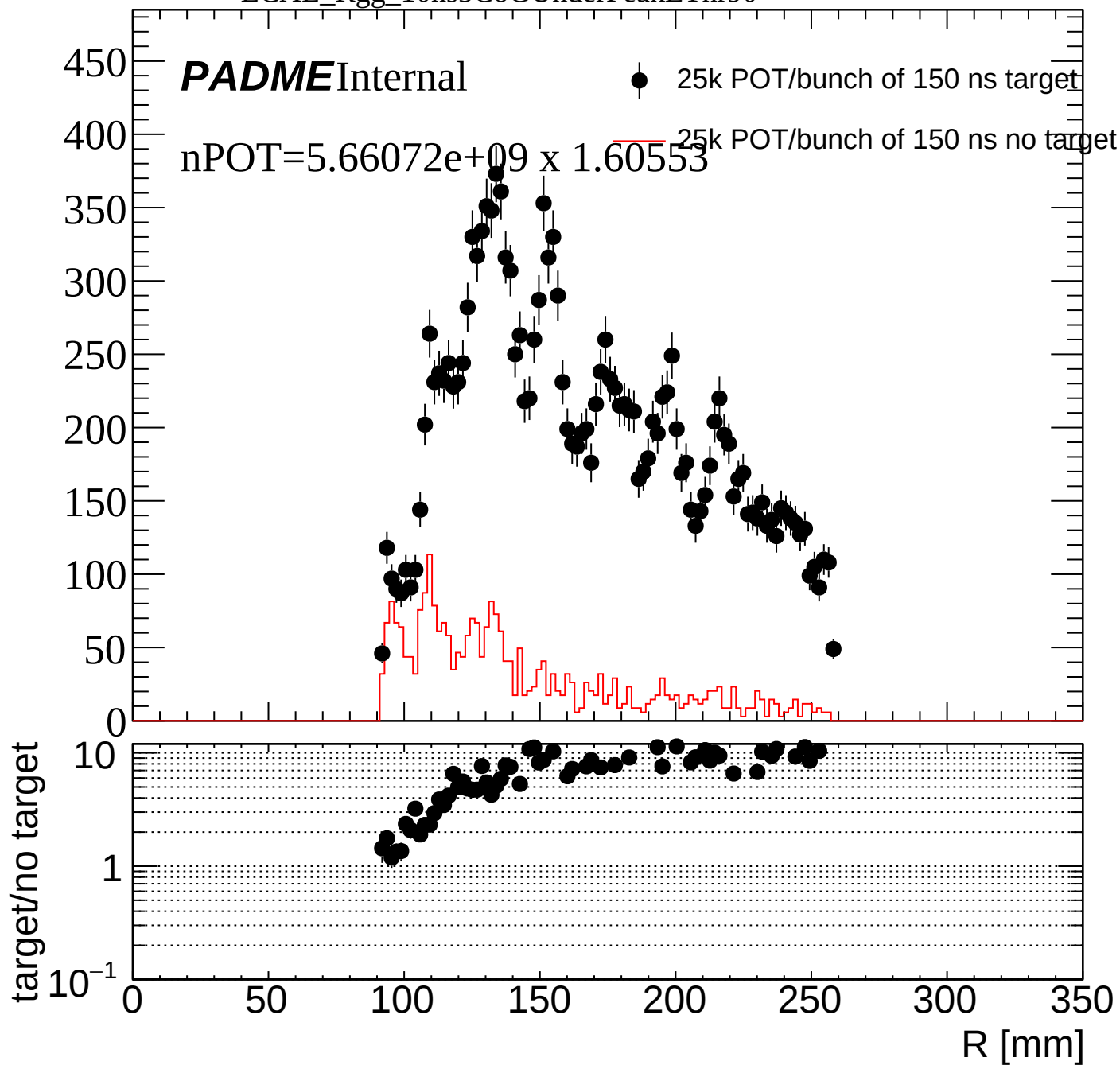
**PADME**Internal

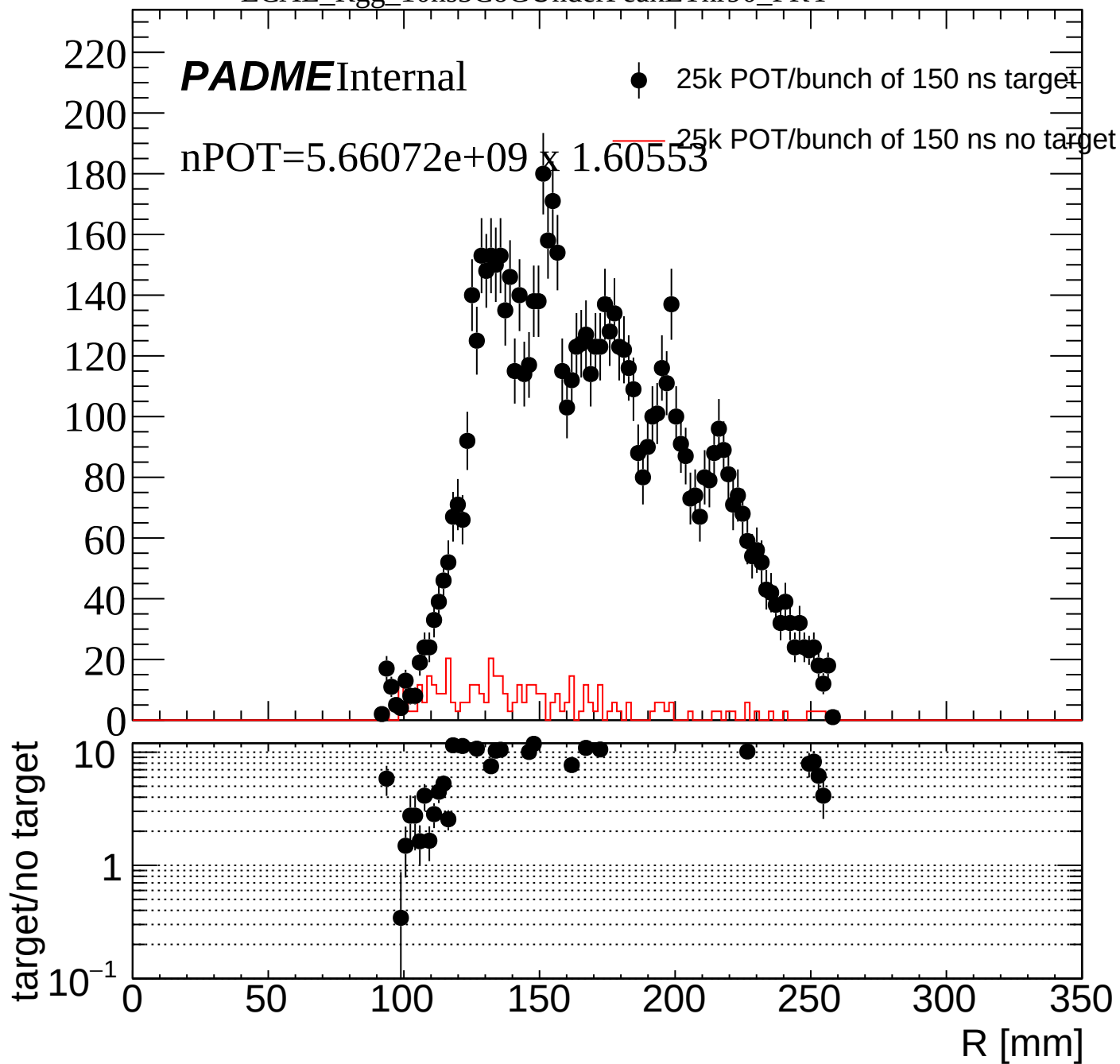
● 25k POT/bunch of 150 ns target

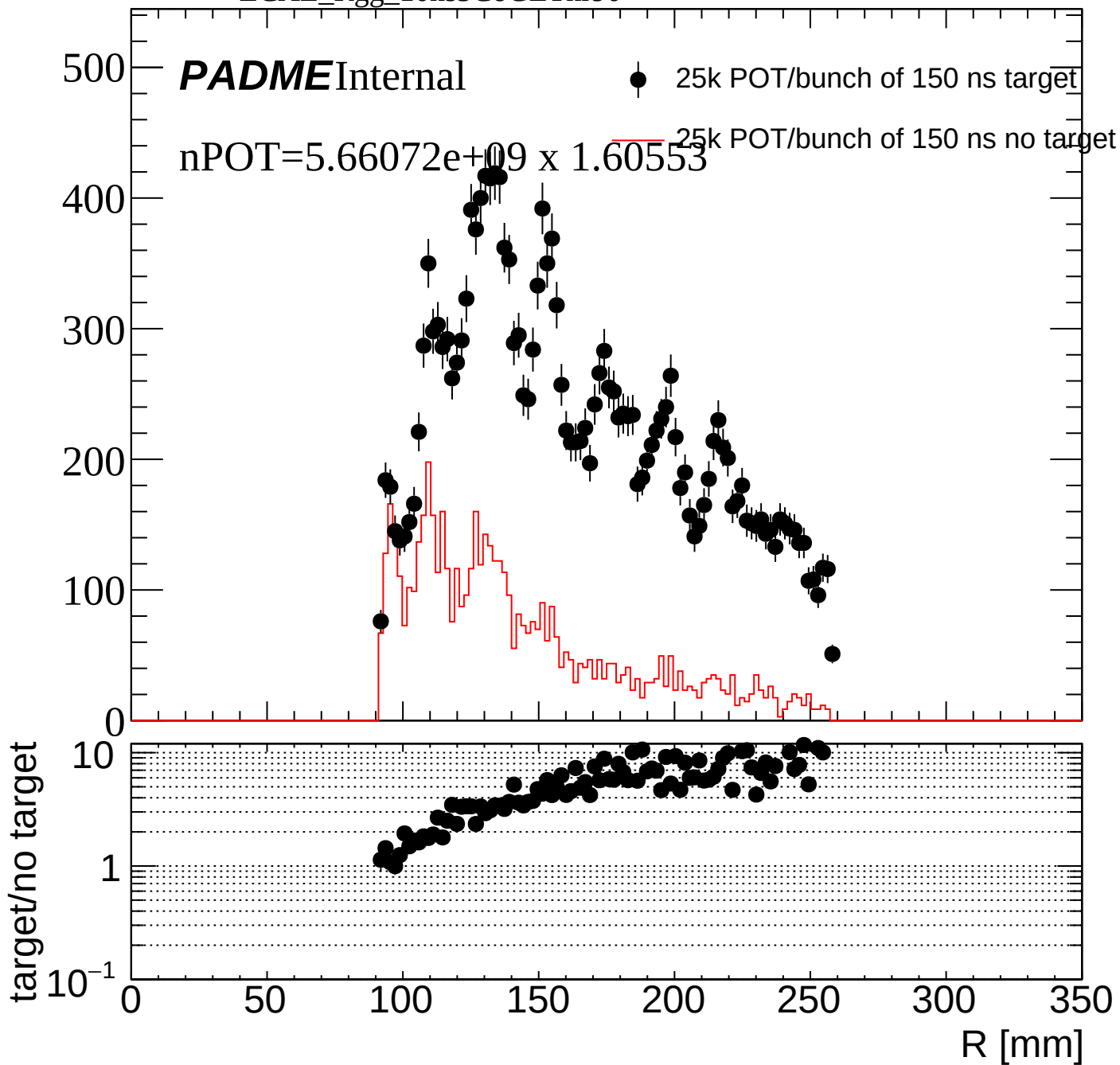
nPOT=5.66072e+09 x 1.60553











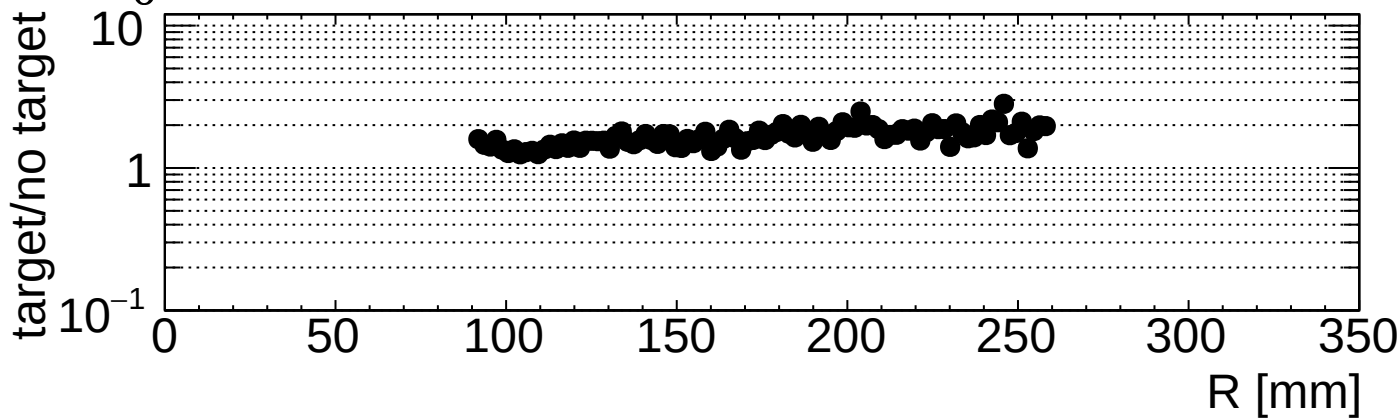
ECAL\_Rgg\_10nsUnderPeak

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



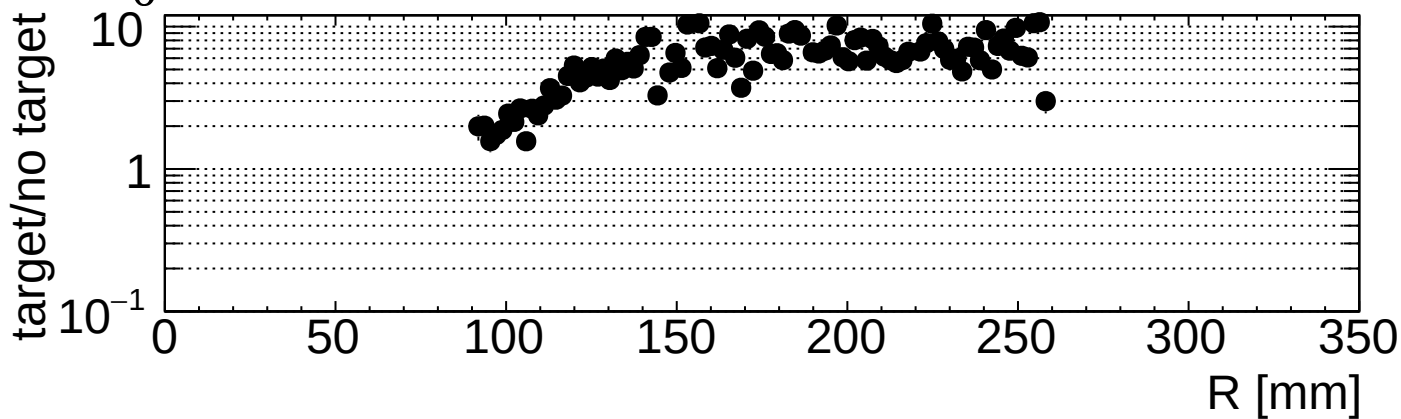
ECAL\_Rgg\_10ns20DegreeUnderPeak

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



ECAL\_Rgg\_10ns20DegreeDeltaThetaUnderPeak

***PADME***Internal

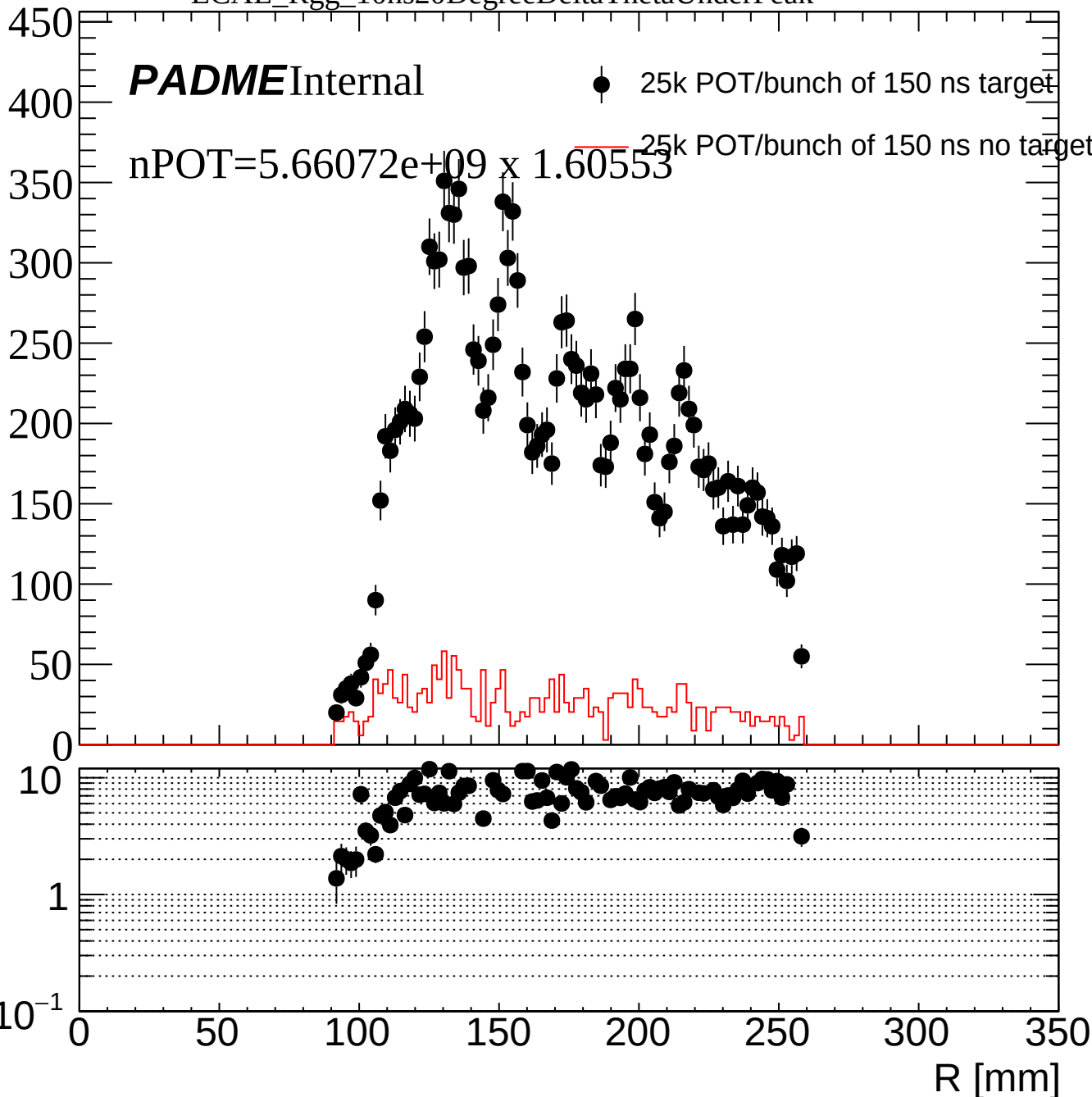
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

R [mm]





ECAL\_Rgg\_10ns5DegreeDeltaThetaUnderPeak

***PADME***Internal

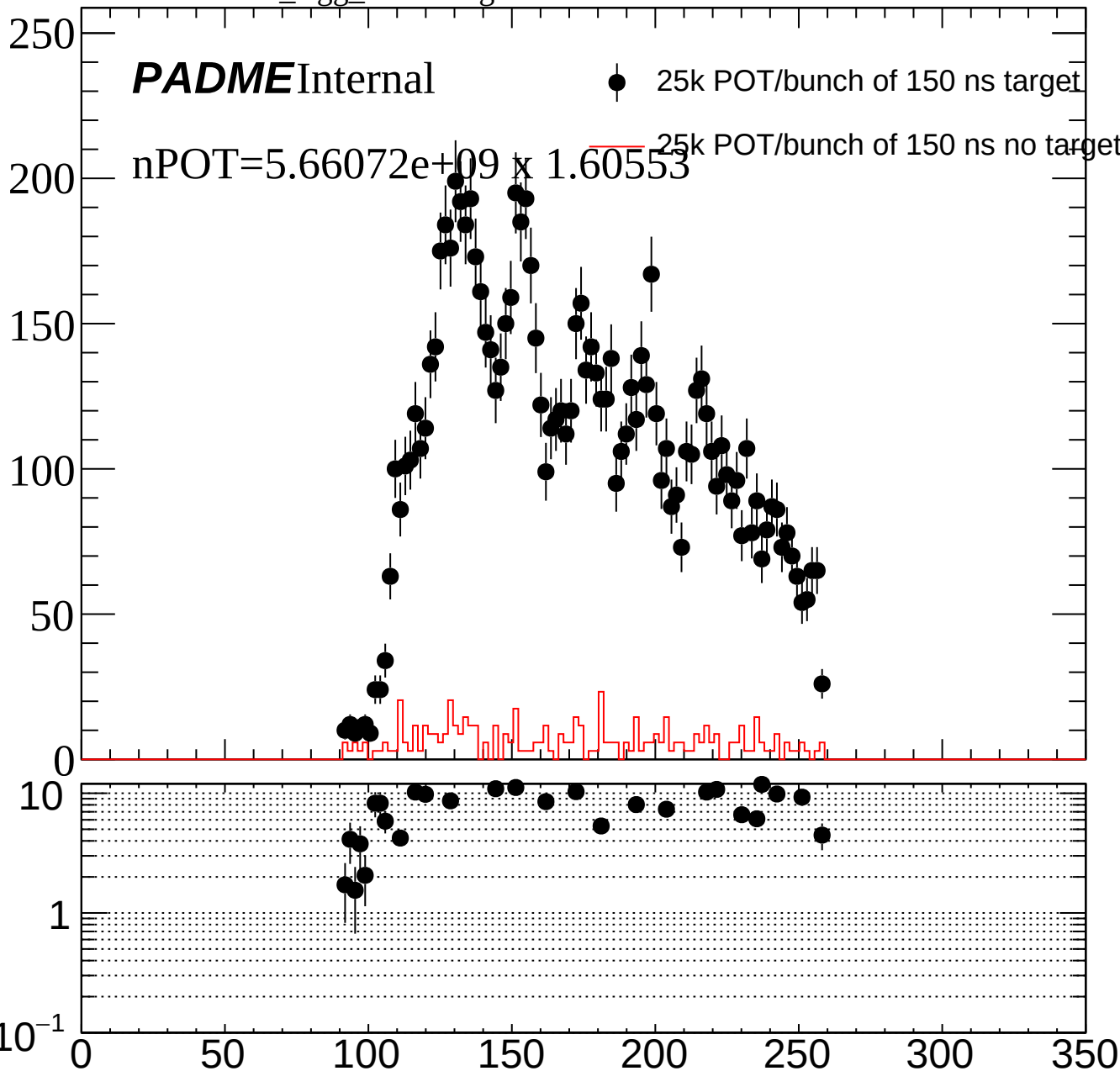
nPOT=5.66072e+09 x 1.60553

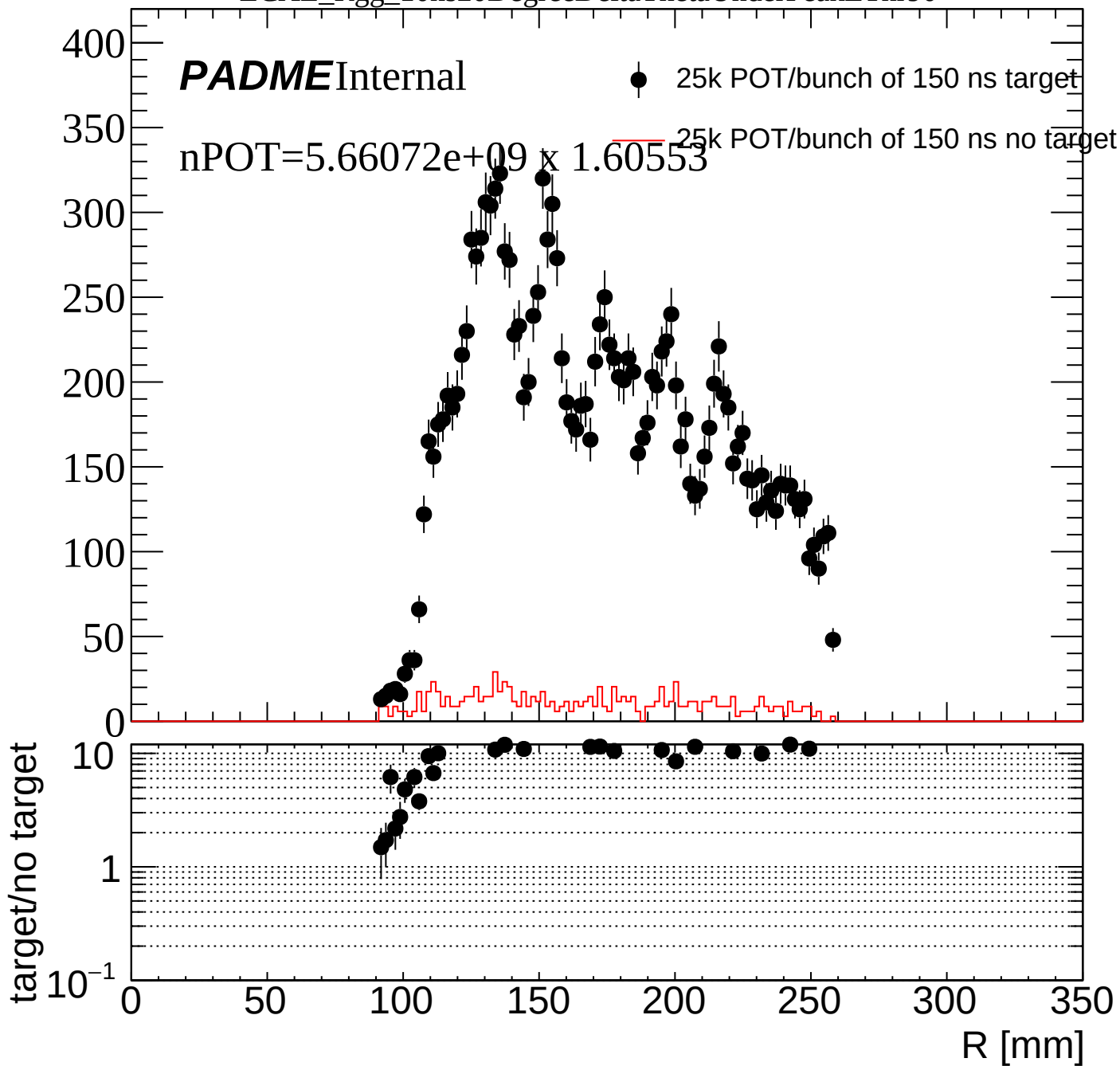
25k POT/bunch of 150 ns target

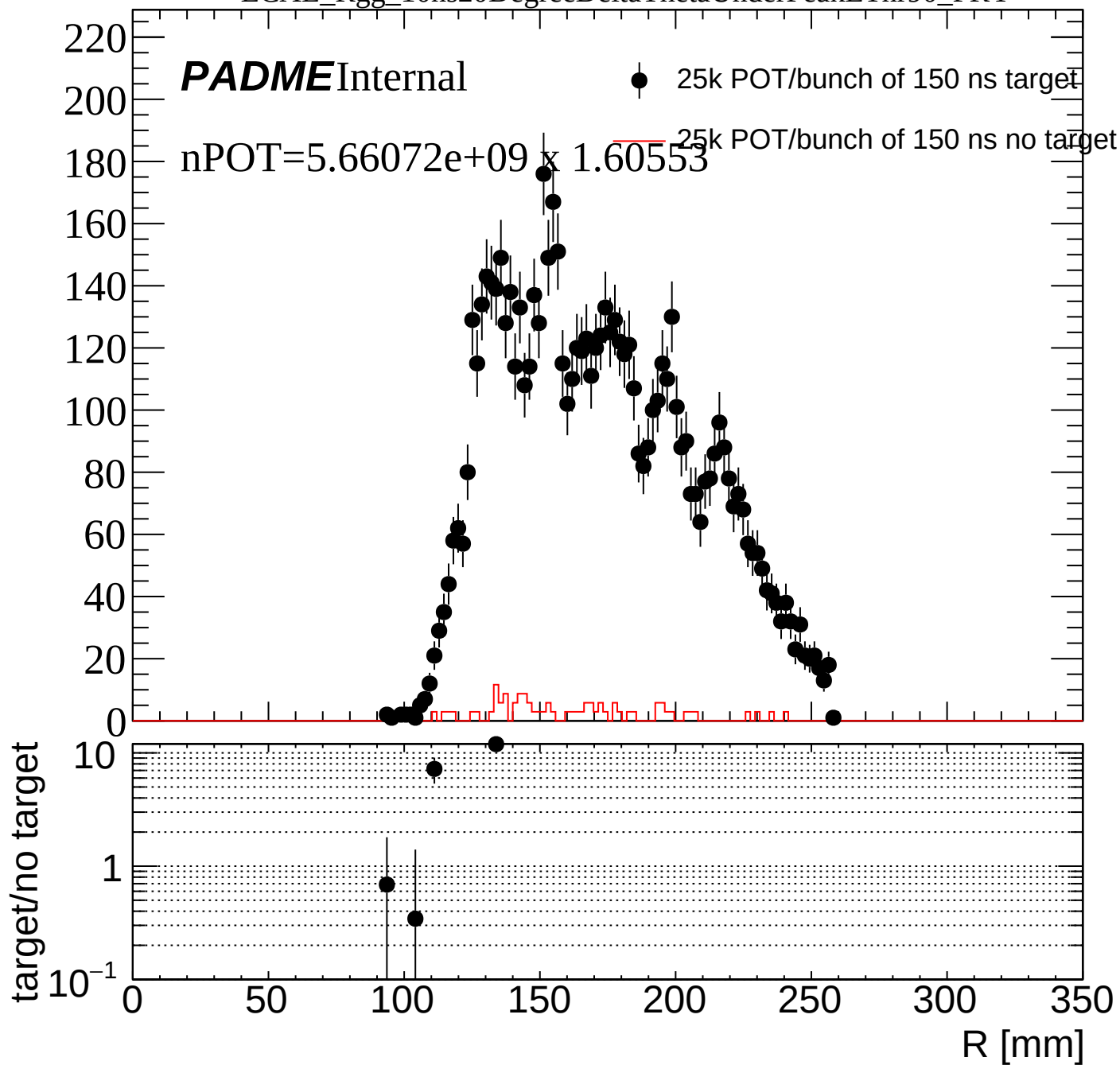
25k POT/bunch of 150 ns no target

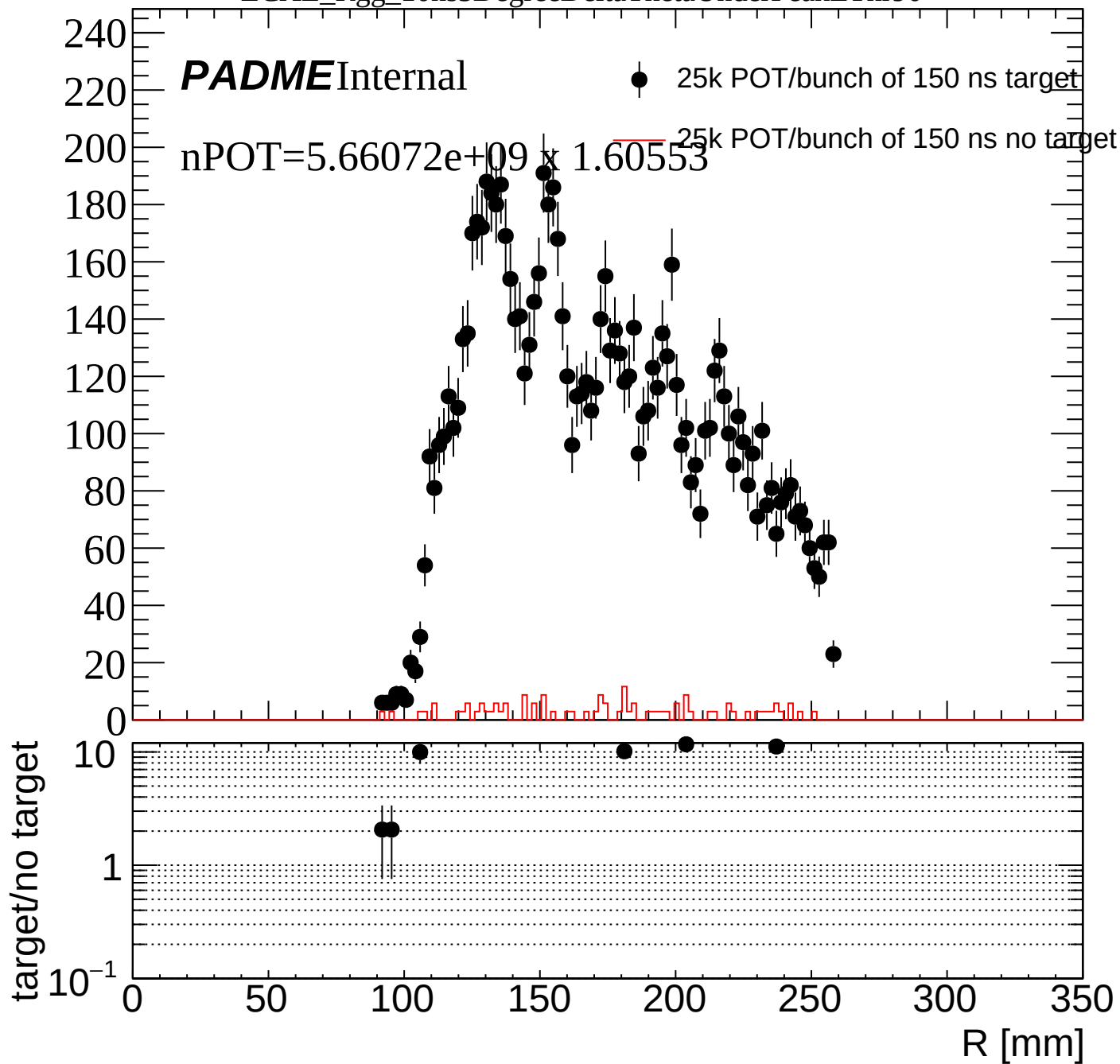
target/no target

R [mm]









ECAL\_Rgg\_10ns5DegreeDeltaThetaEThr90

***PADME***Internal

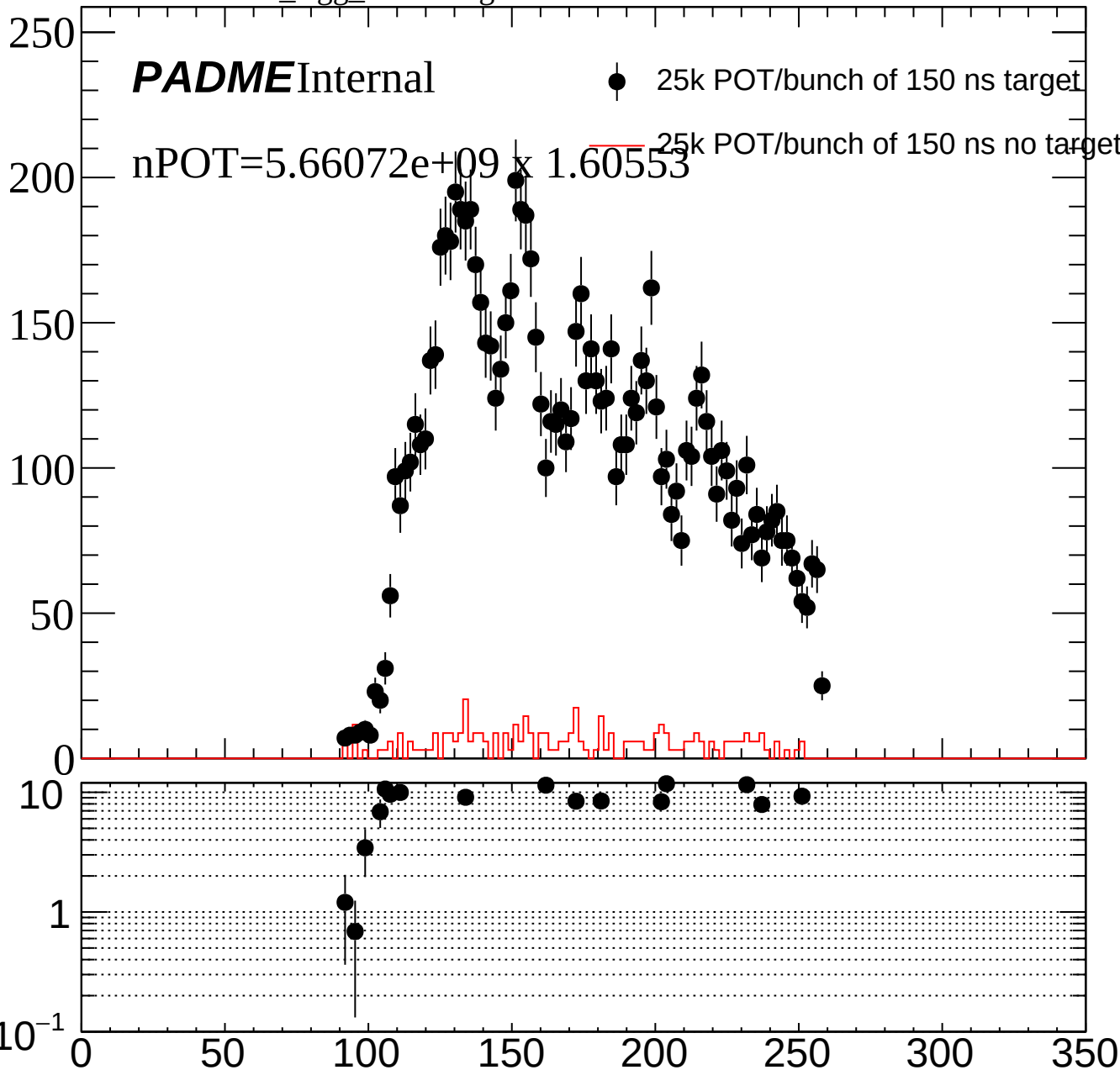
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

R [mm]



ECAL\_Rgg\_10ns1CoGUnderPeak

***PADME***Internal

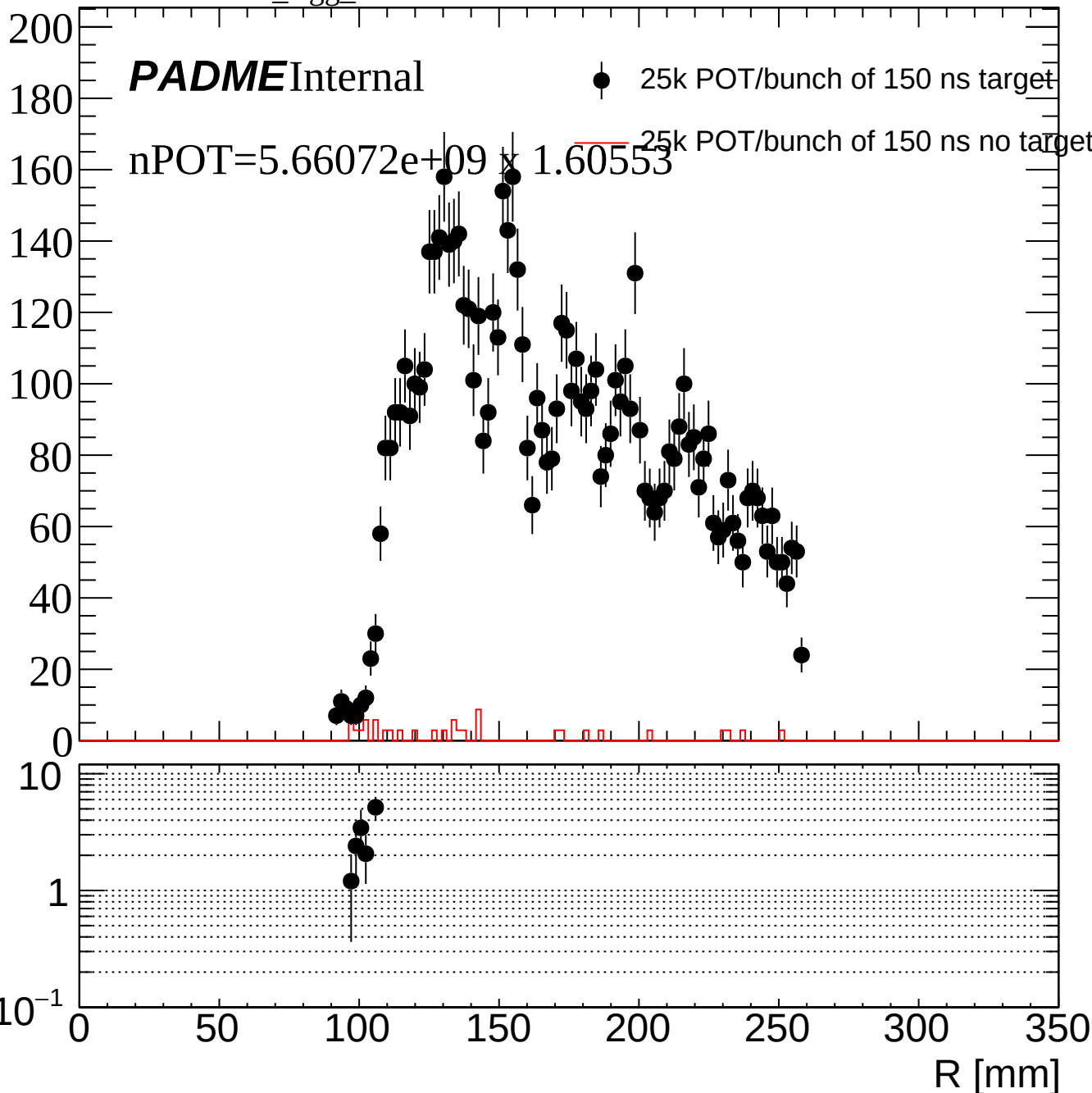
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

R [mm]



ECAL\_Rgg\_10ns1CoGUnderPeakEThr90

***PADME***Internal

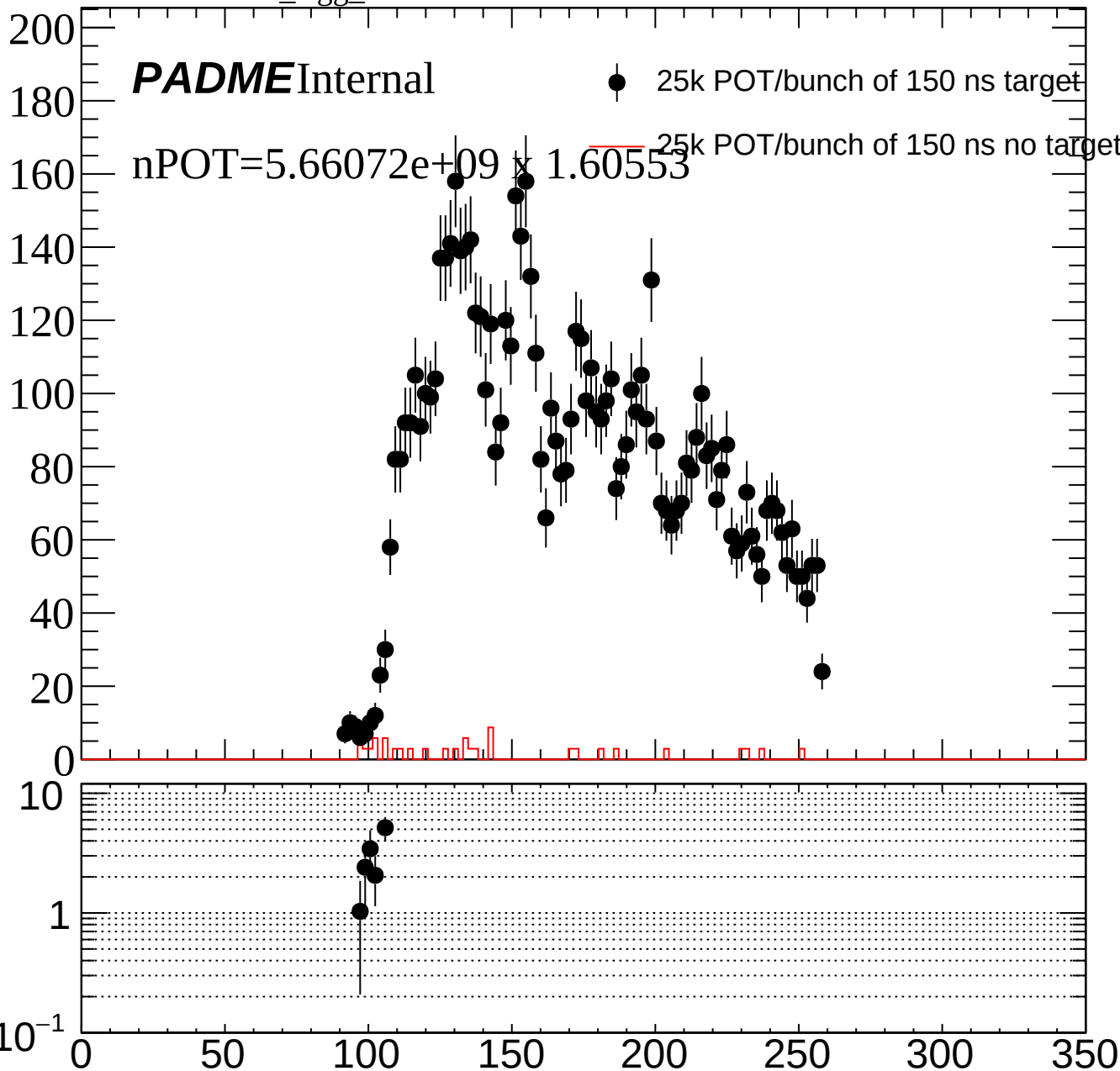
nPOT=5.66072e+09 x 1.60553

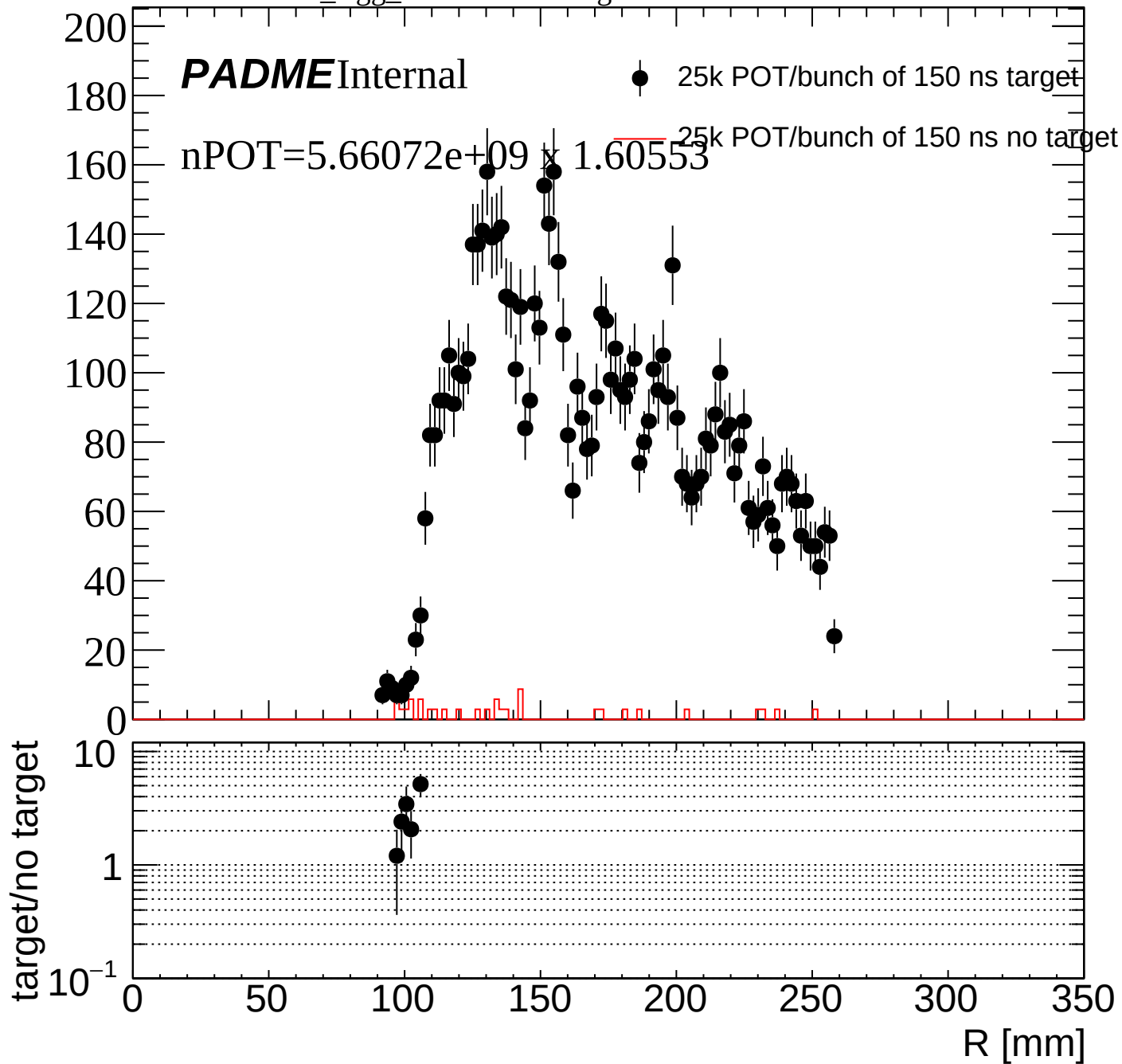
25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

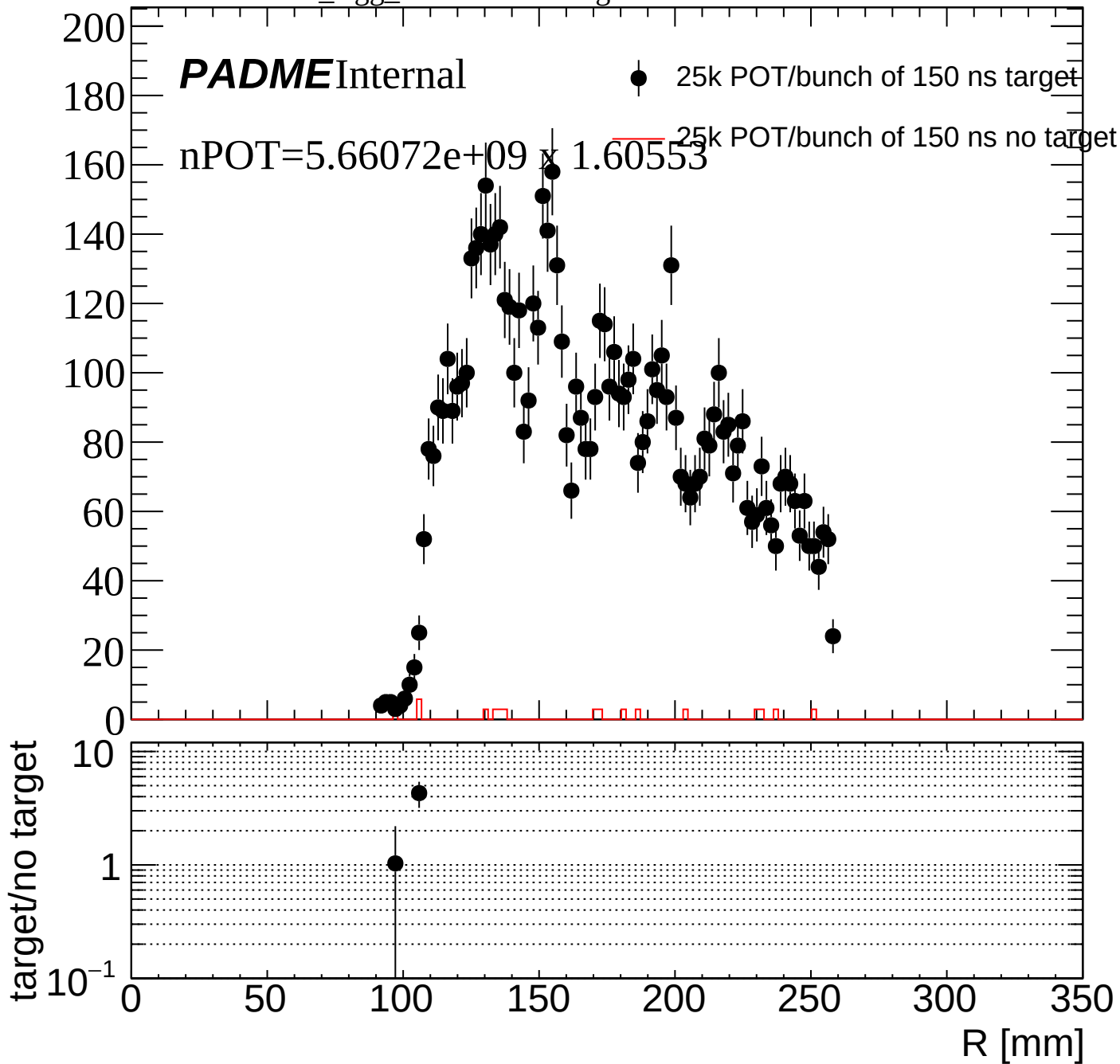
target/no target

R [mm]









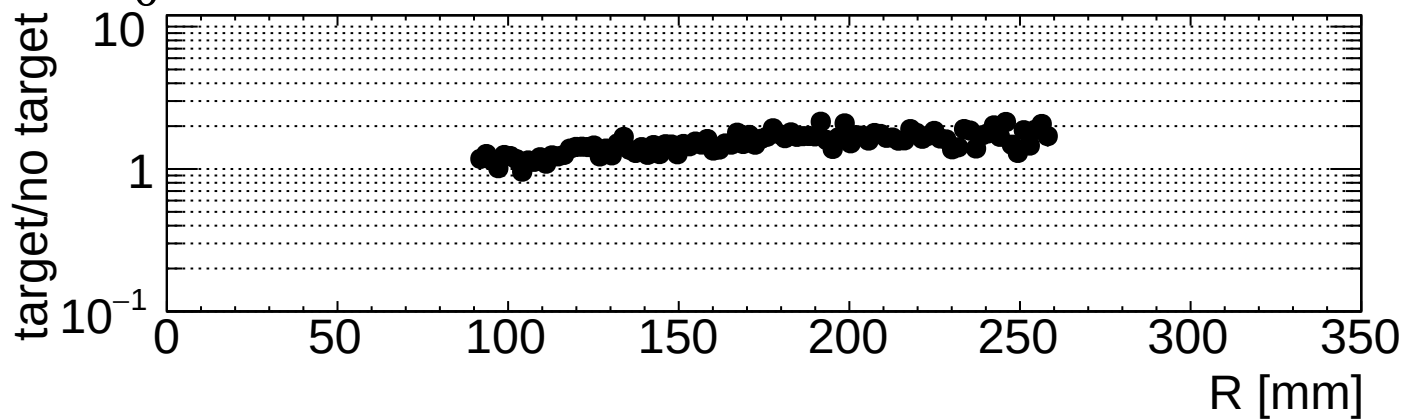
ECAL\_Rgg\_10nsEThr90

***PADME***Internal

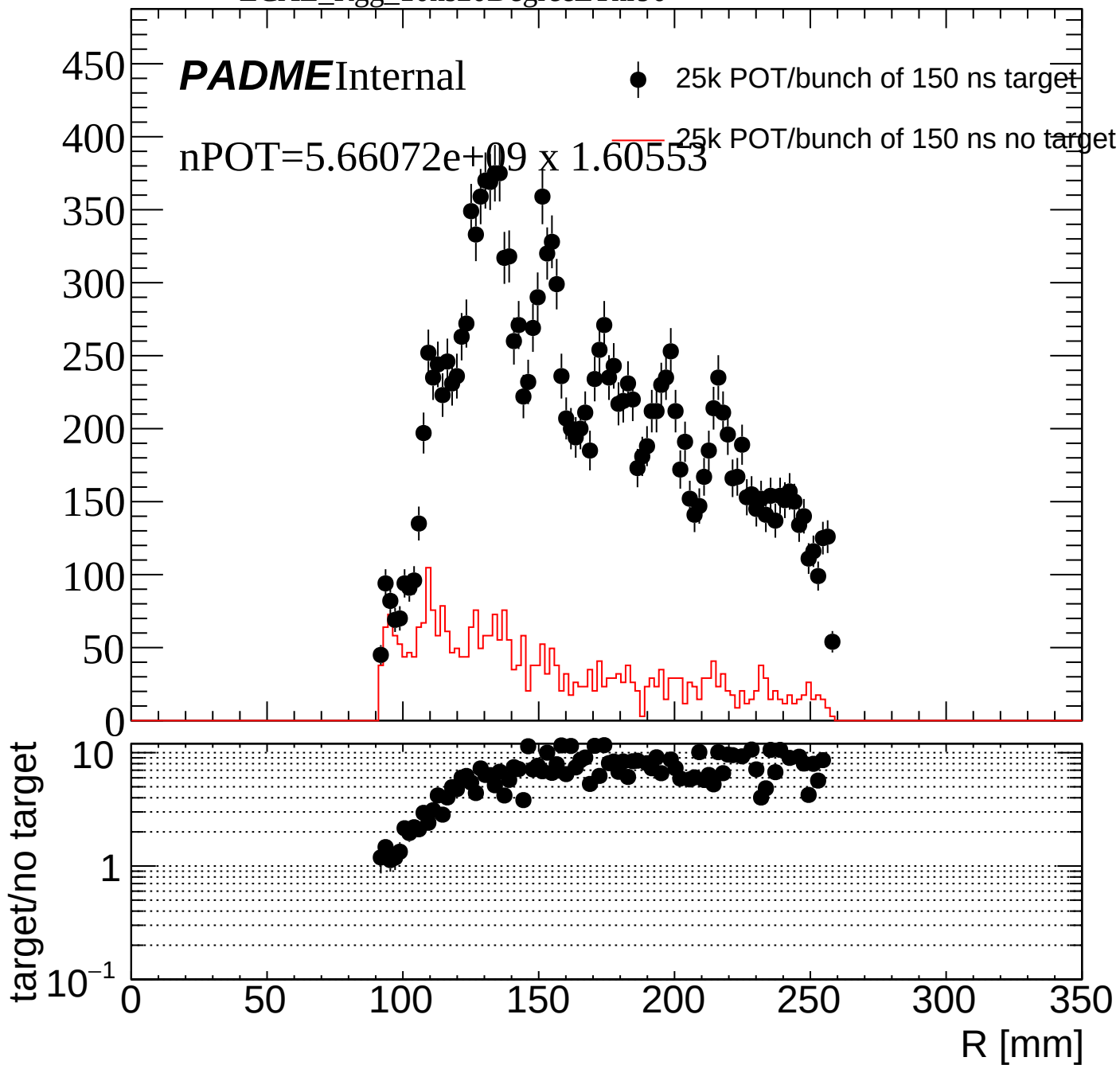
● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

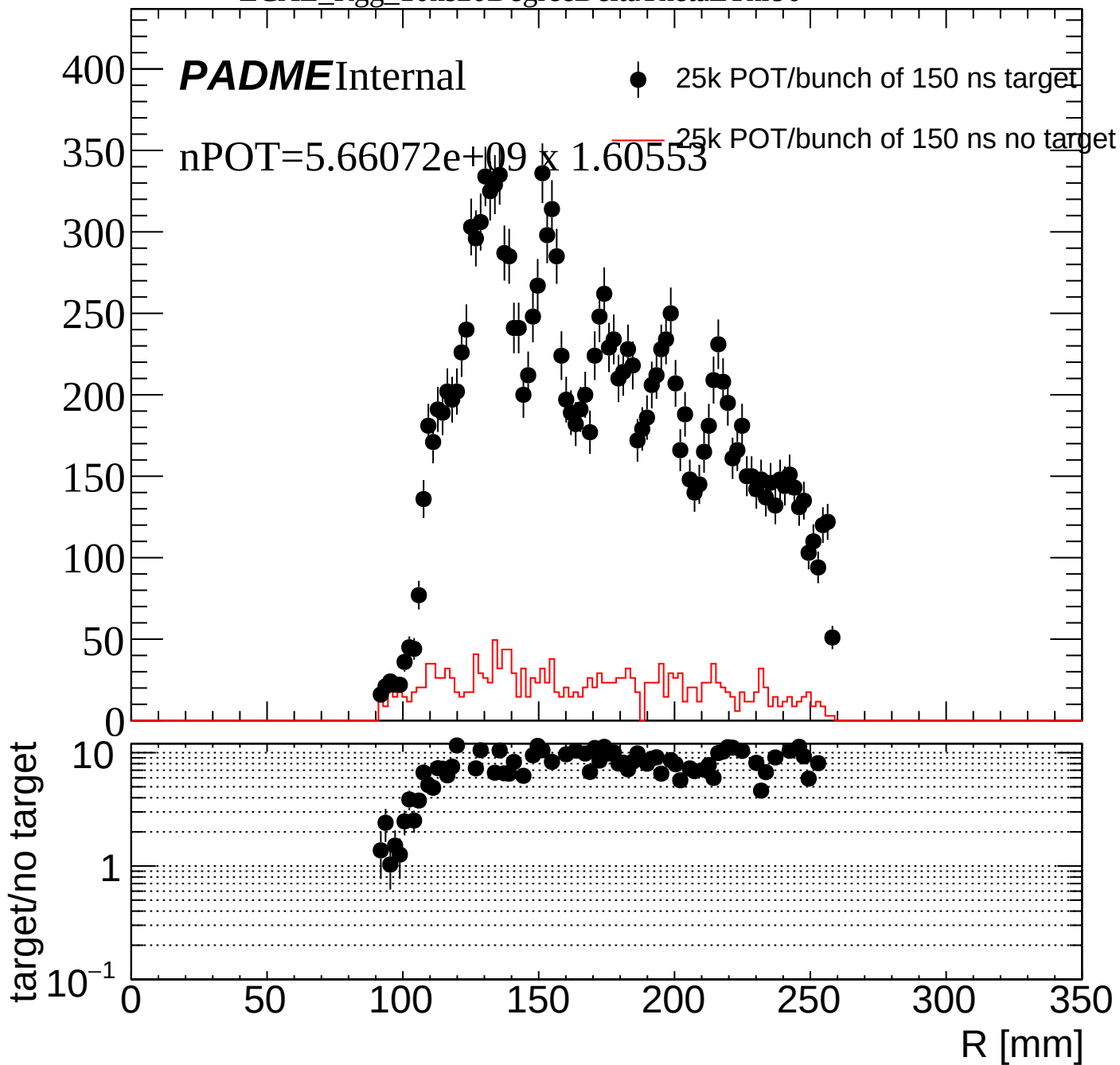
nPOT=5.66072e+09 x 1.60553

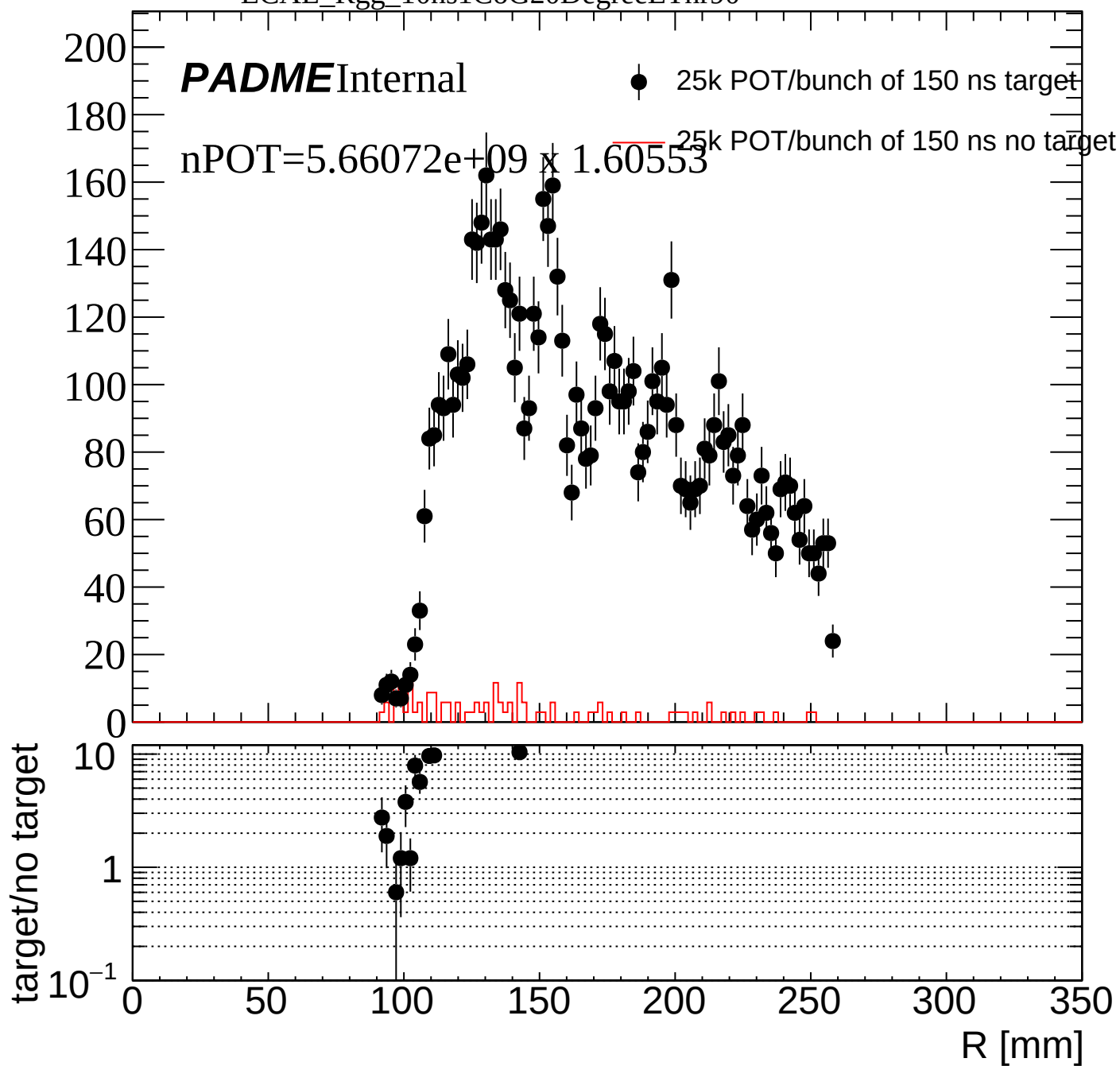


ECAL\_Rgg\_10ns20DegreeEThr90



ECAL\_Rgg\_10ns20DegreeDeltaThetaEThr90





ECAL\_Rgg\_10ns1CoG20DegreeDeltaThetaEThr90

***PADME***Internal

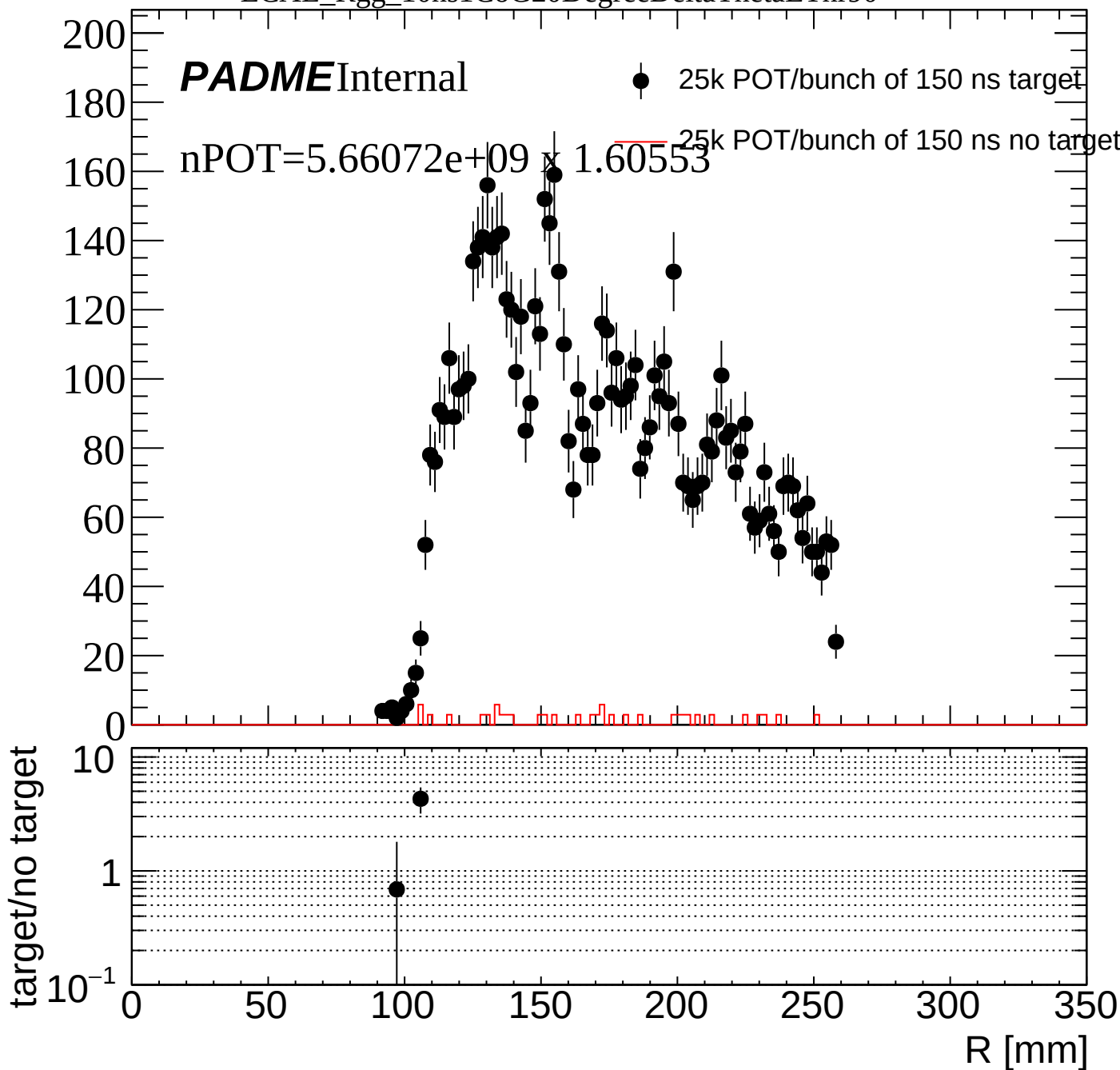
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

R [mm]



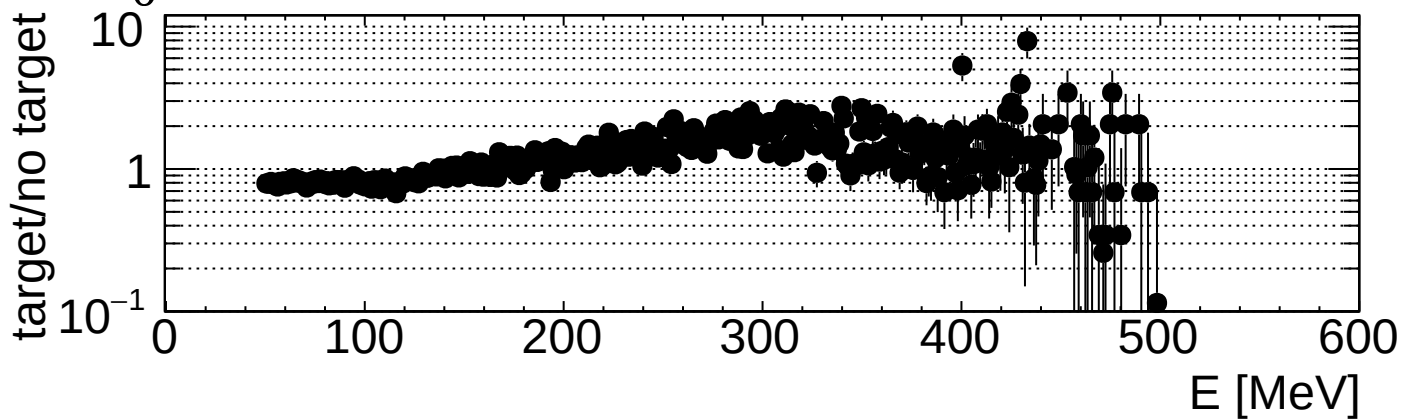
ECAL\_Egg\_10ns

***PADME***Internal

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

nPOT=5.66072e+09 x 1.60553



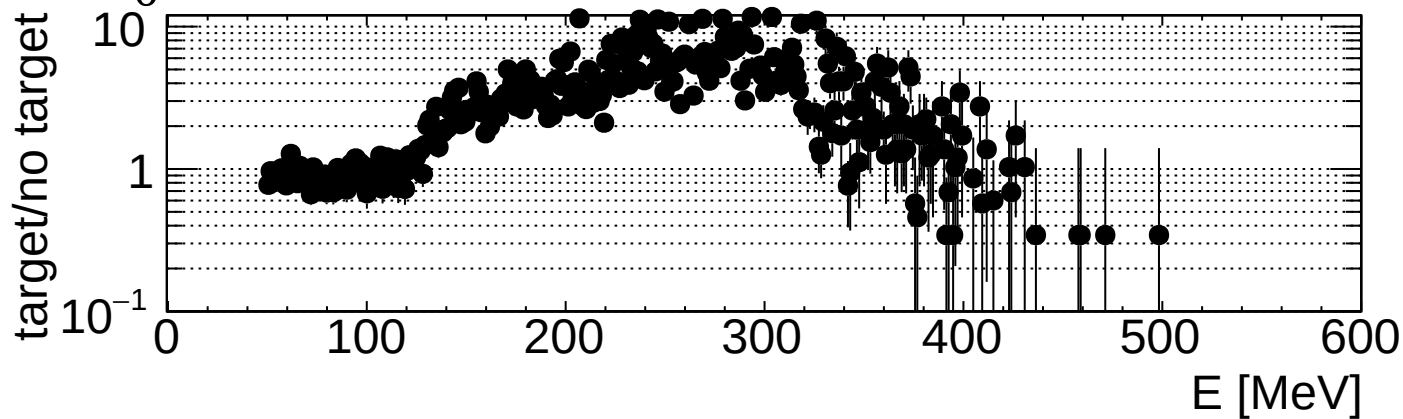
ECAL\_Egg\_10ns20Degree

***PADME***Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

— 25k POT/bunch of 150 ns no target



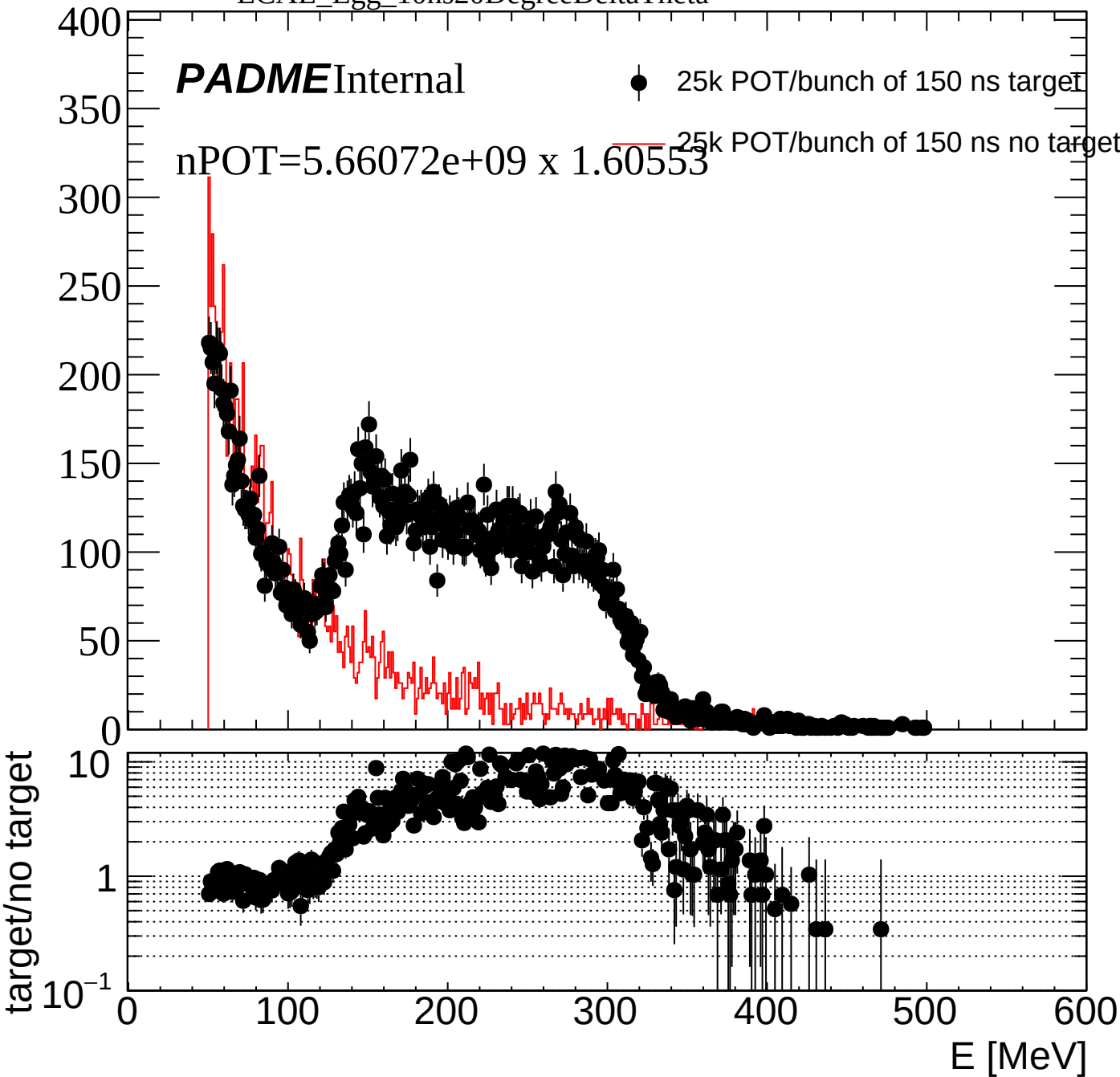


ECAL\_Egg\_10ns20DegreeDeltaTheta

***PADME***Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553



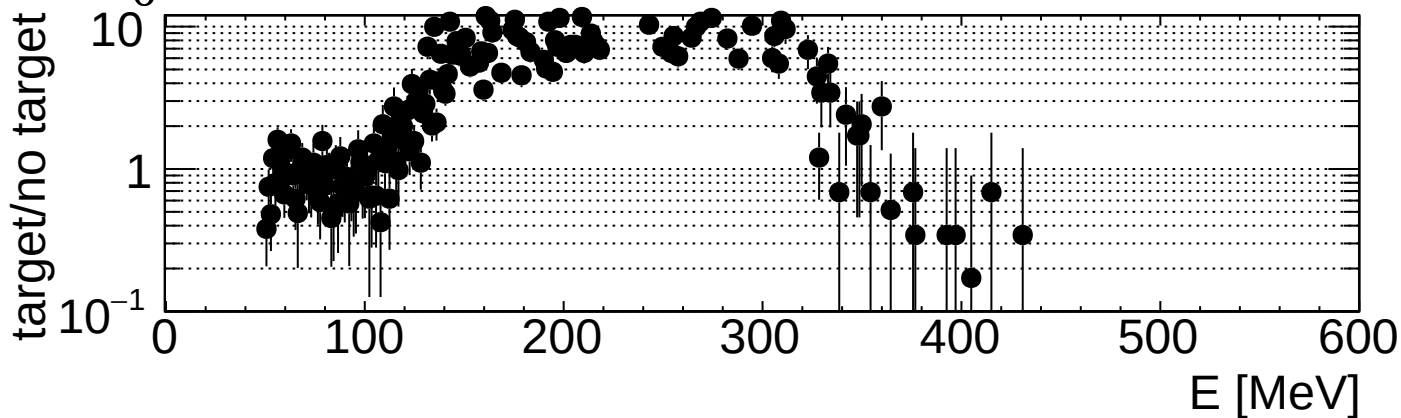
ECAL\_Egg\_10ns5DegreeDeltaTheta

***PADME***Internal

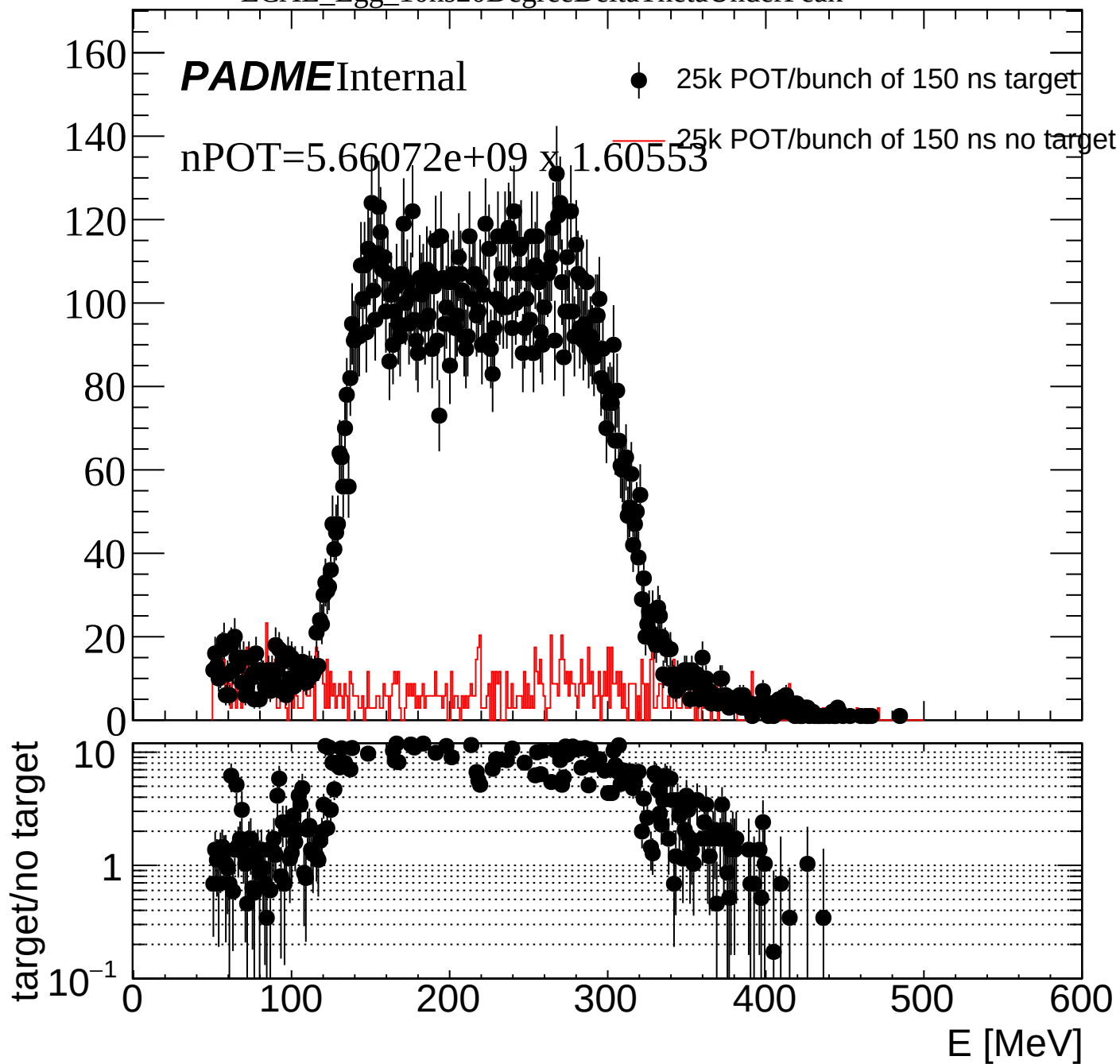
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

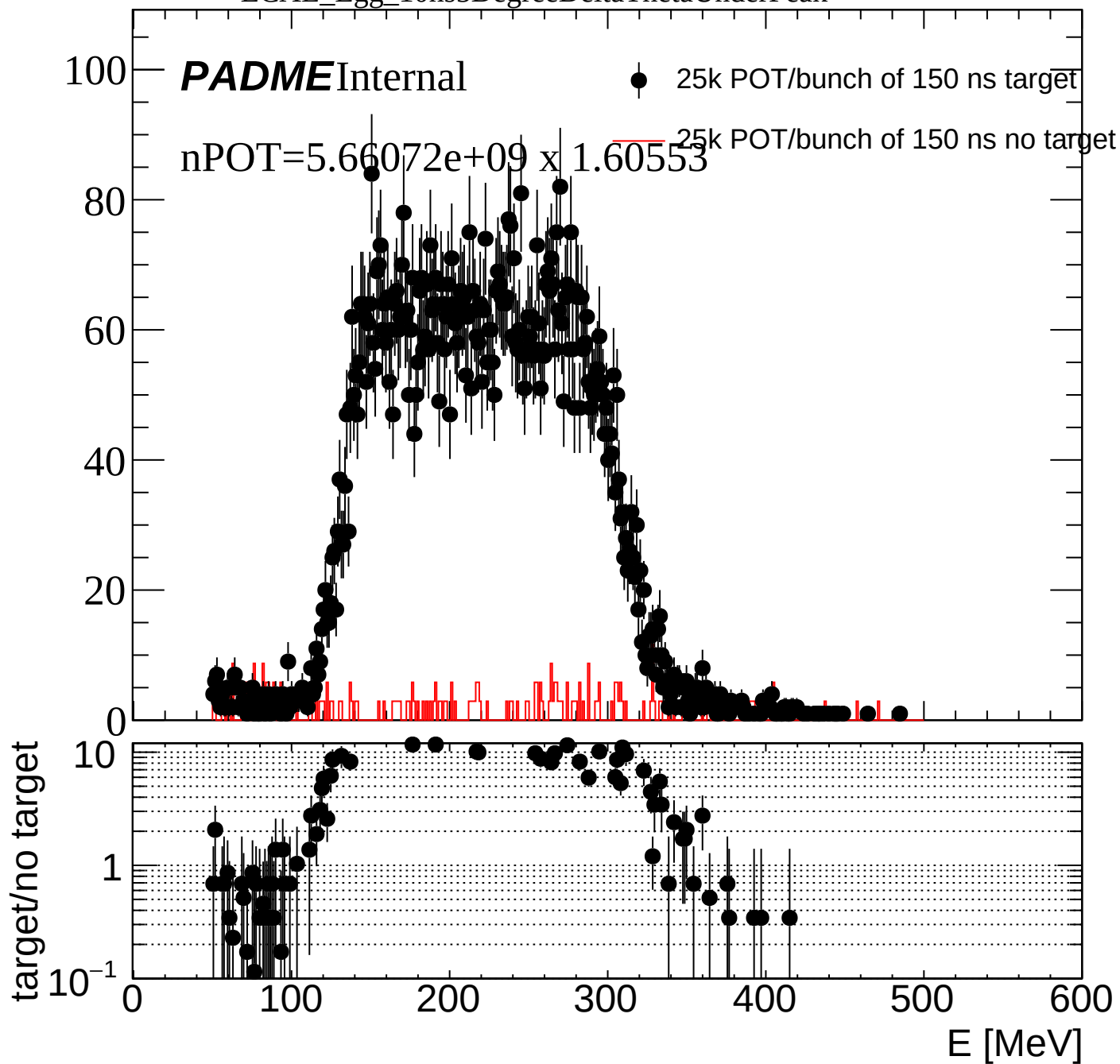
— 25k POT/bunch of 150 ns no target



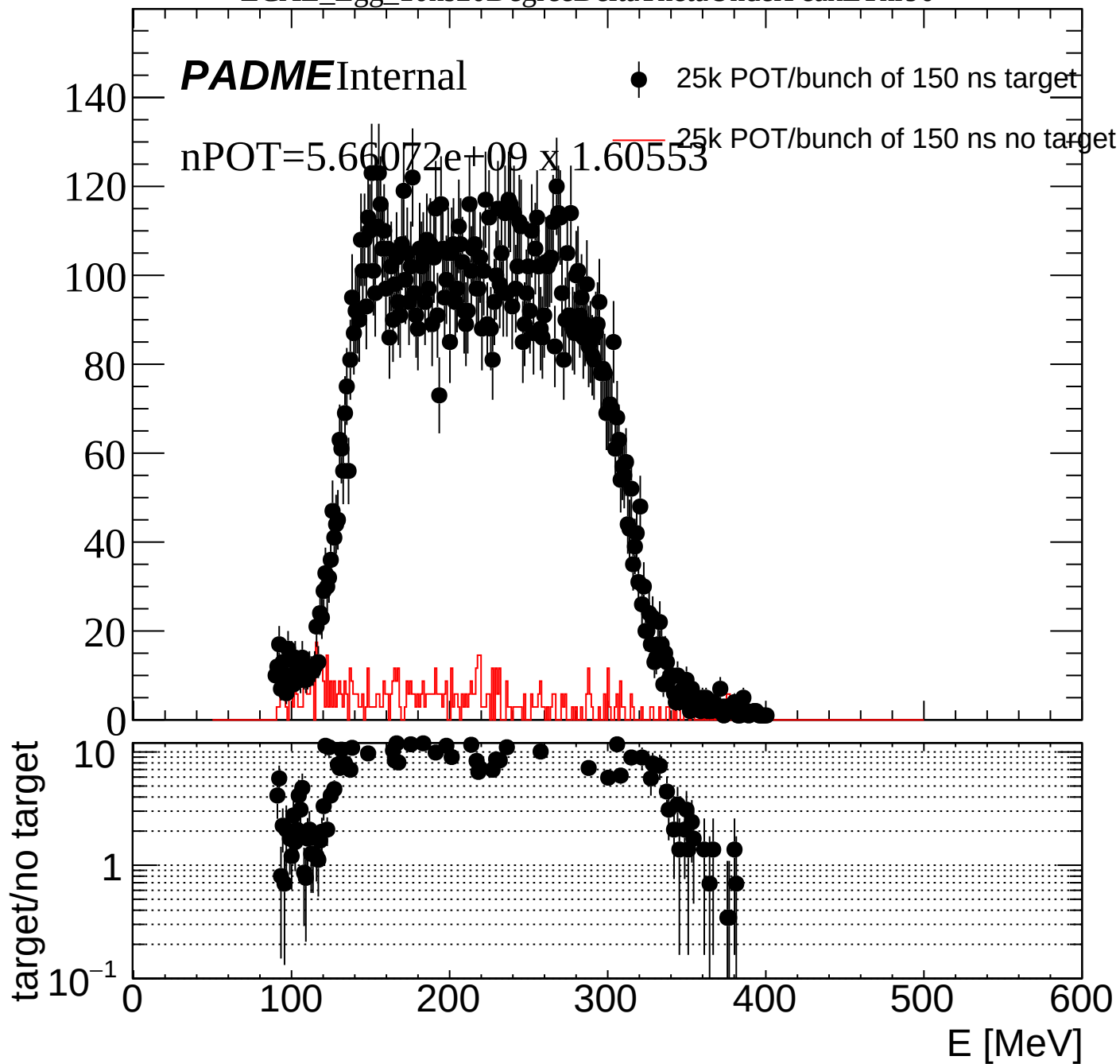
ECAL\_Egg\_10ns20DegreeDeltaThetaUnderPeak

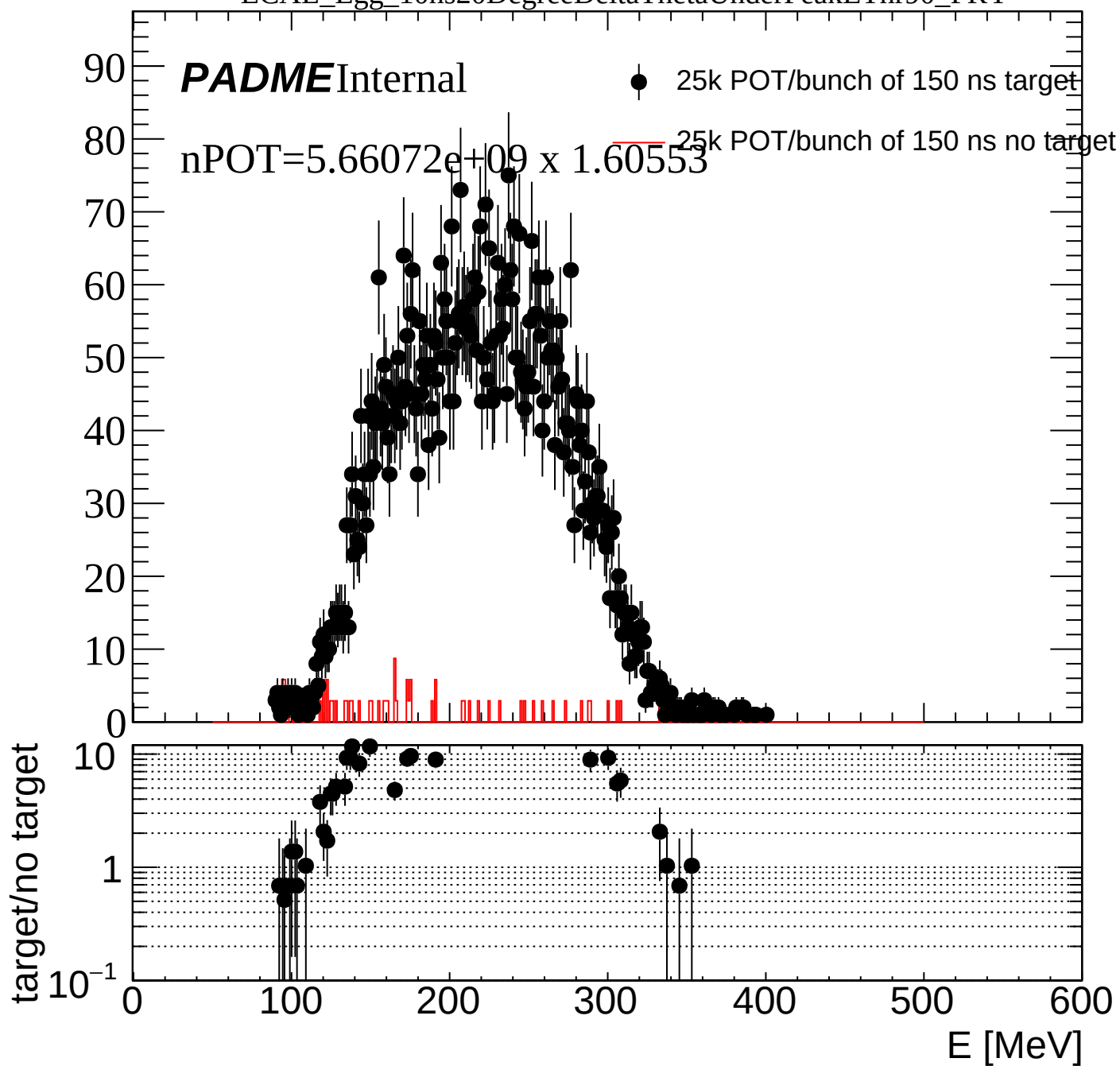


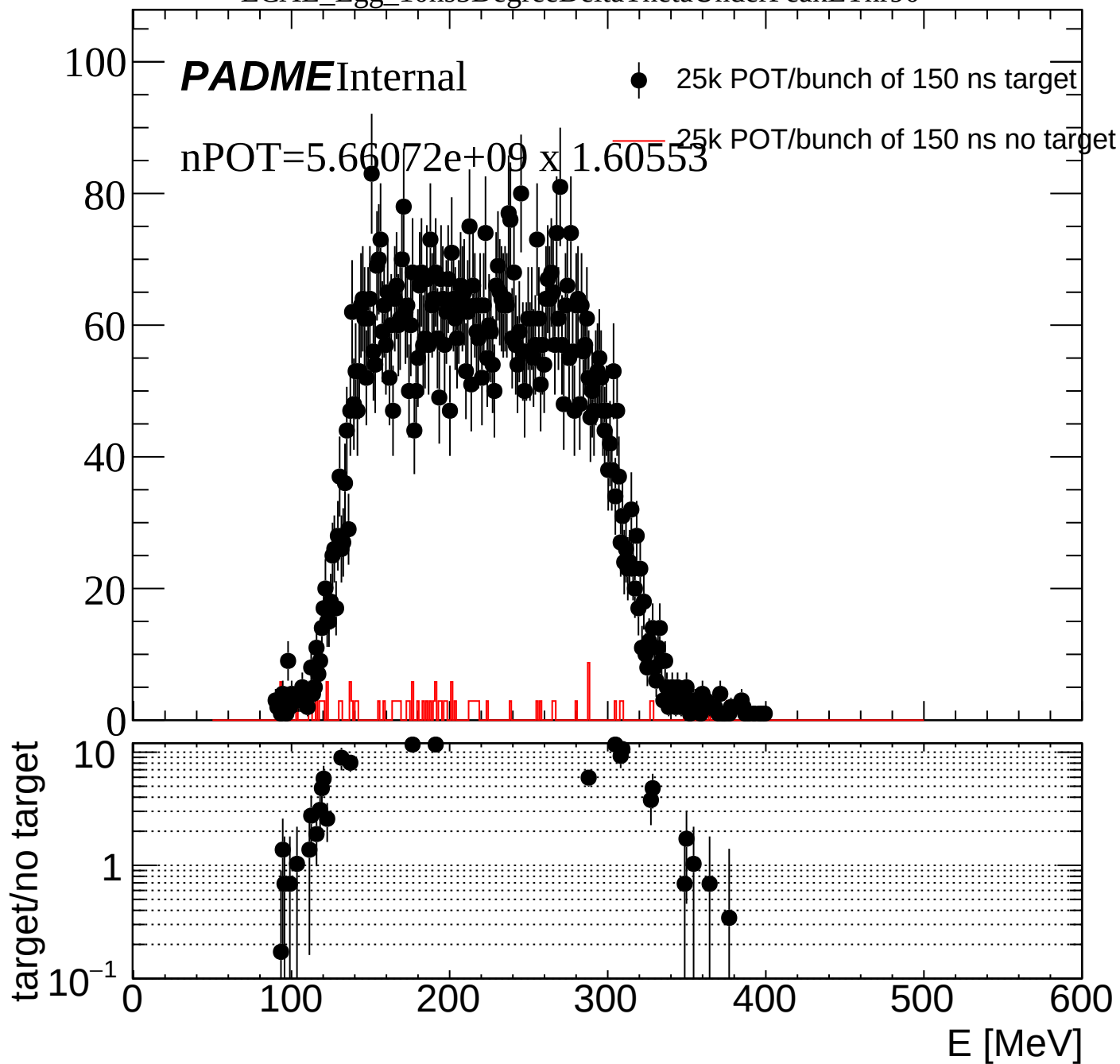
ECAL\_Egg\_10ns5DegreeDeltaThetaUnderPeak



ECAL\_Egg\_10ns20DegreeDeltaThetaUnderPeakEThr90





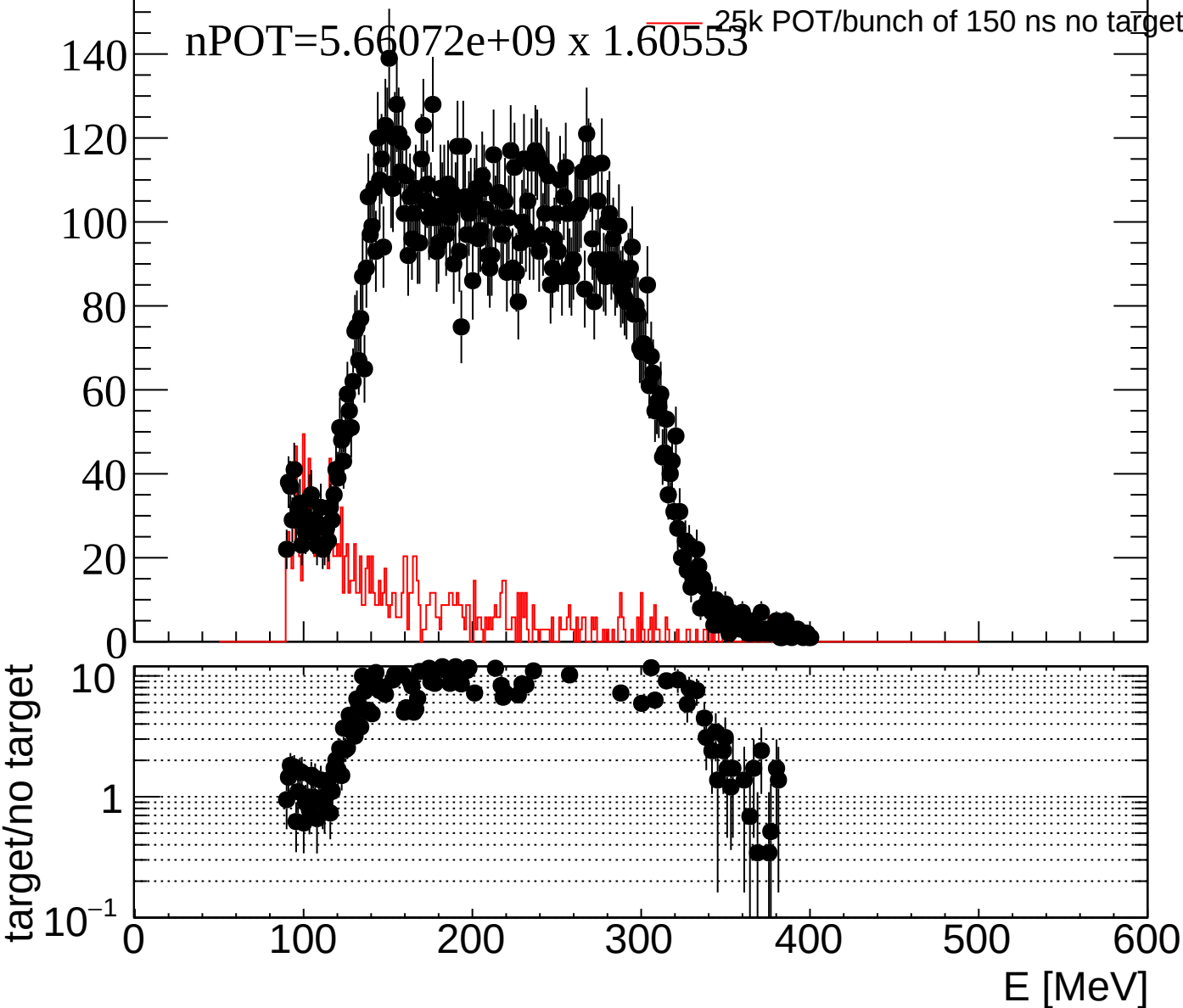


ECAL\_Egg\_10ns20DegreeDeltaThetaEThr90

***PADME*** Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553





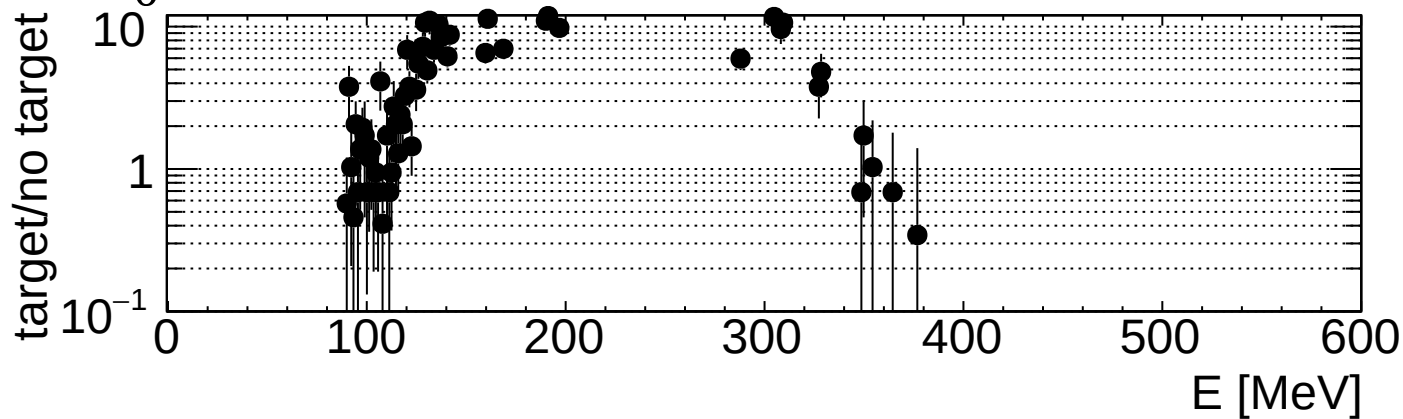
ECAL\_Egg\_10ns5DegreeDeltaThetaEThr90

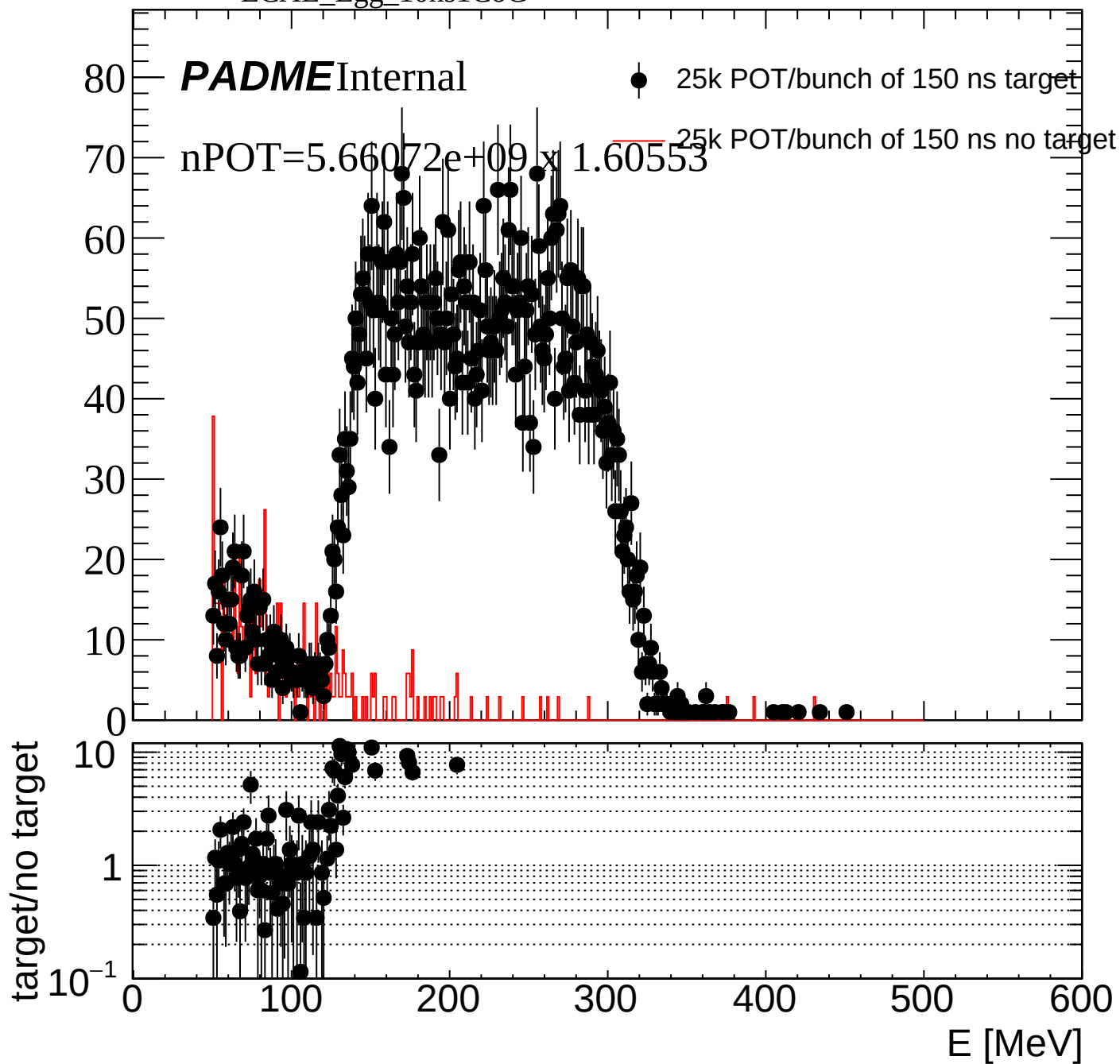
***PADME*** Internal

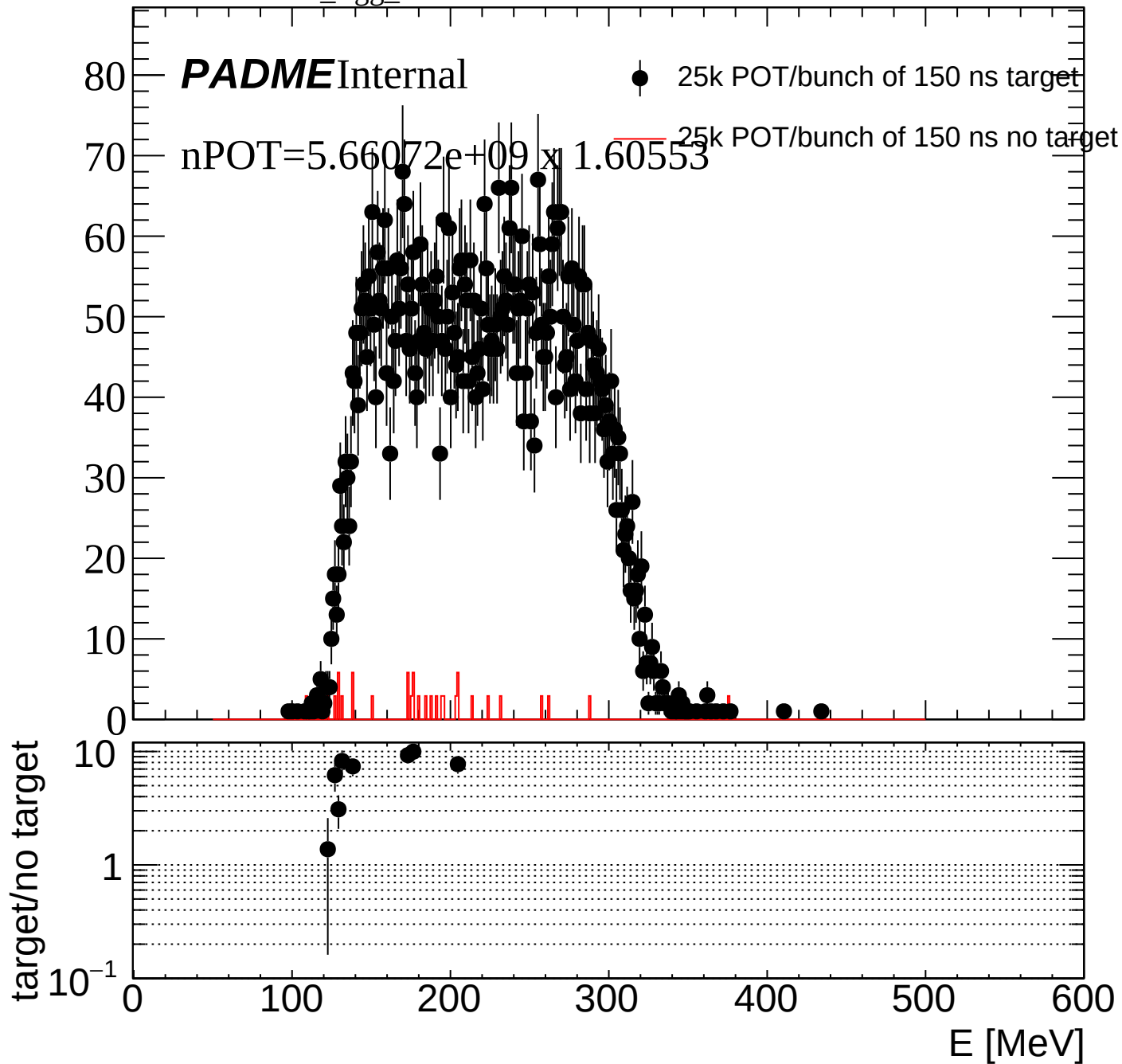
● 25k POT/bunch of 150 ns target

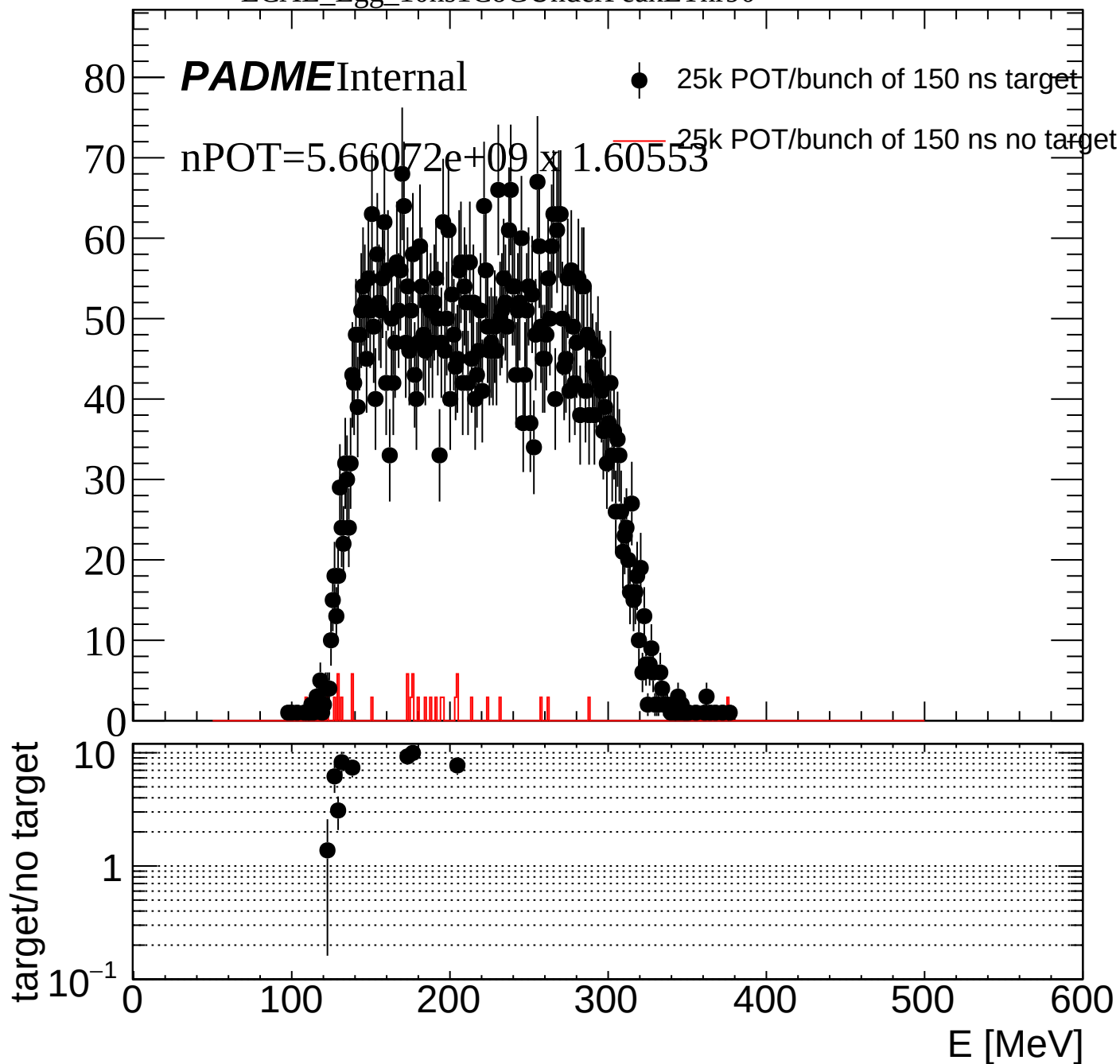
nPOT=5.66072e+09 x 1.60553

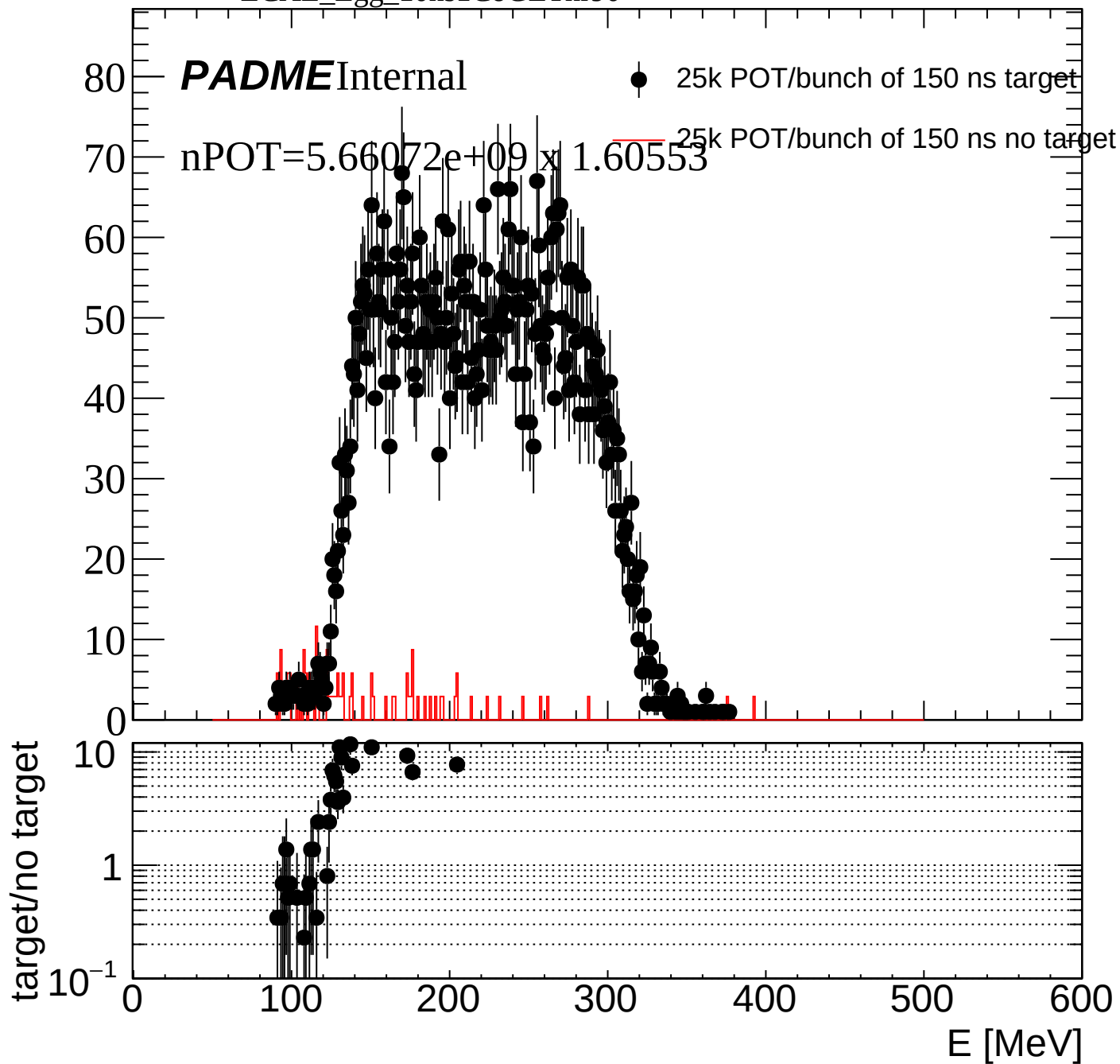
— 25k POT/bunch of 150 ns no target









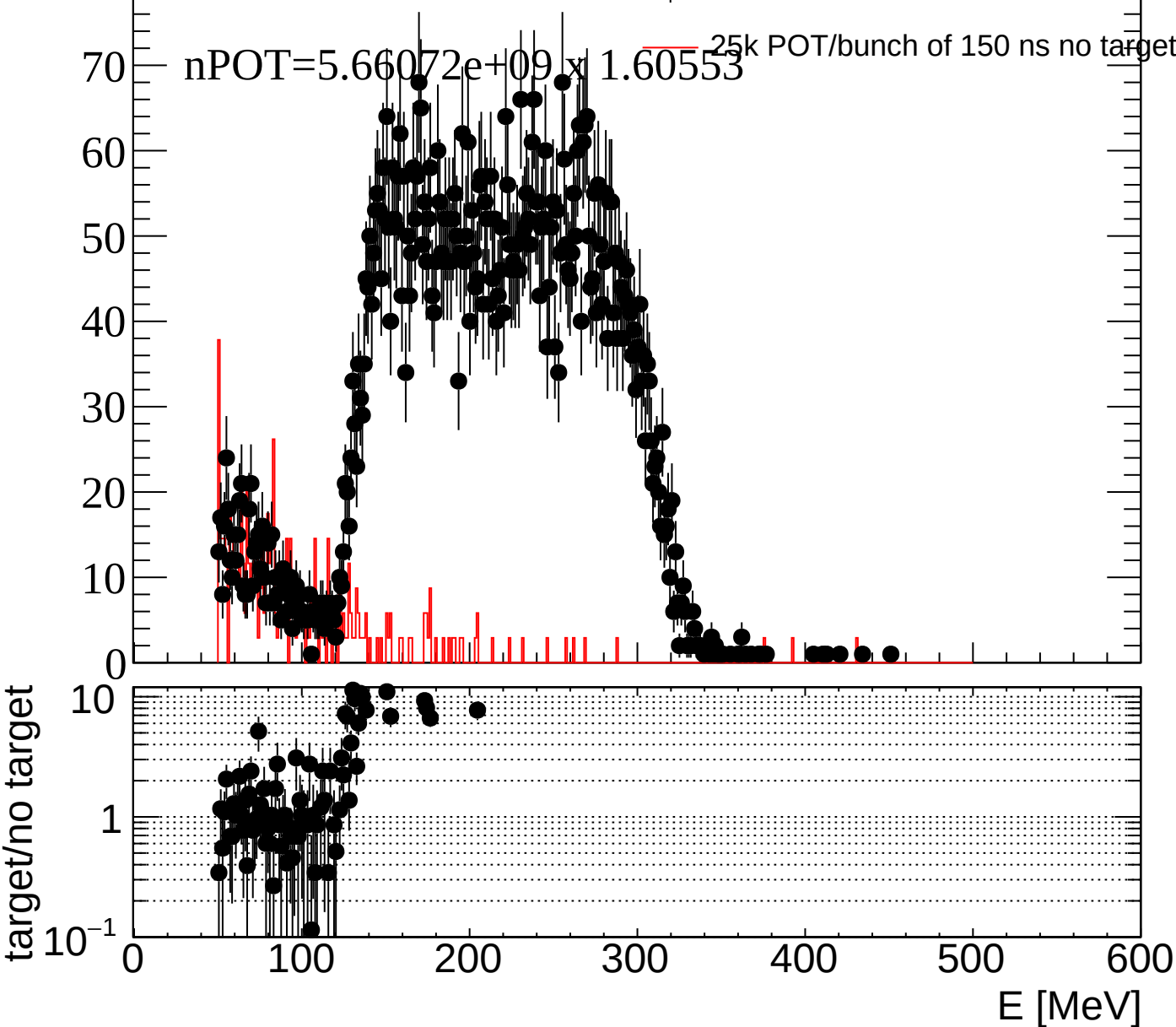


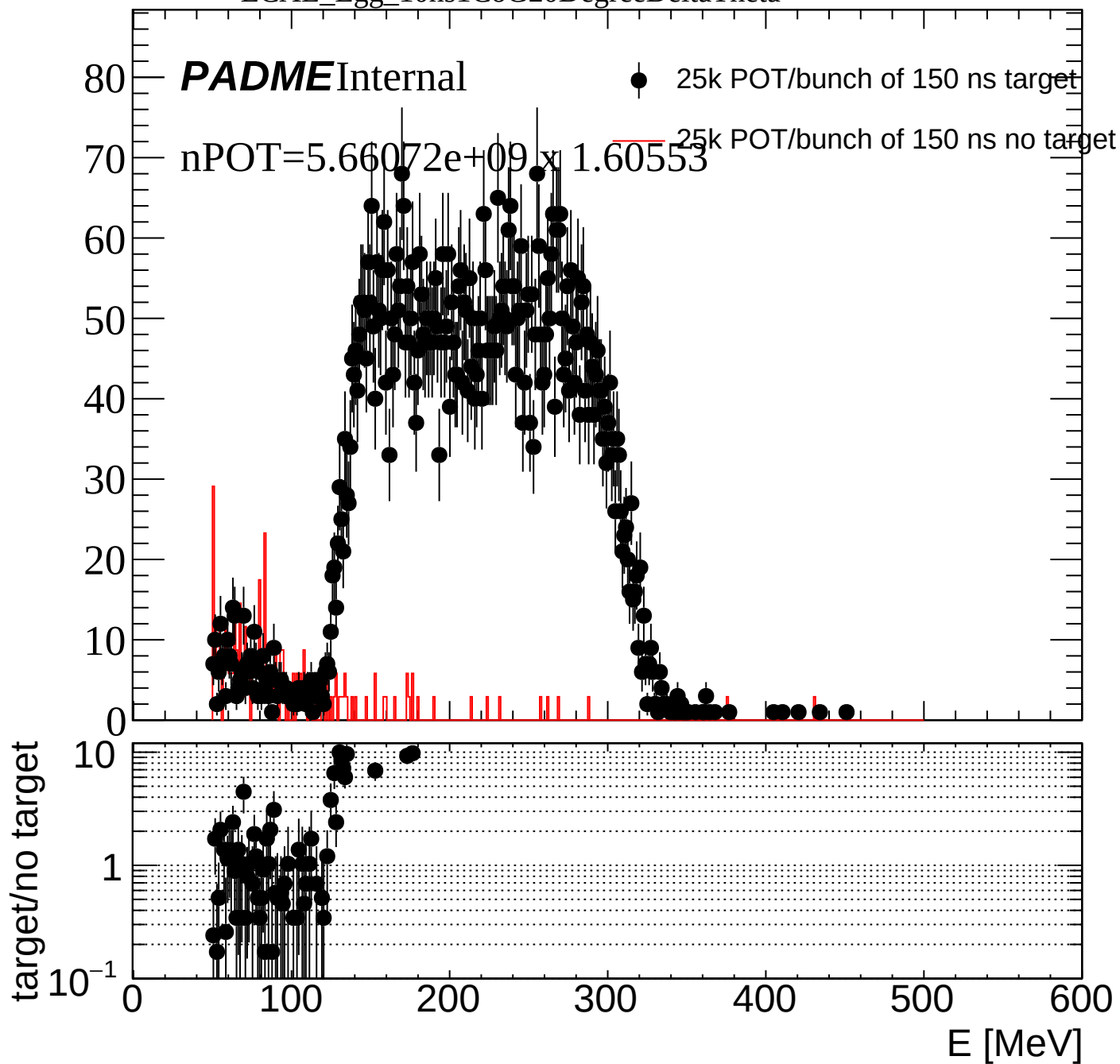
ECAL\_Egg\_10ns1CoG20Degree

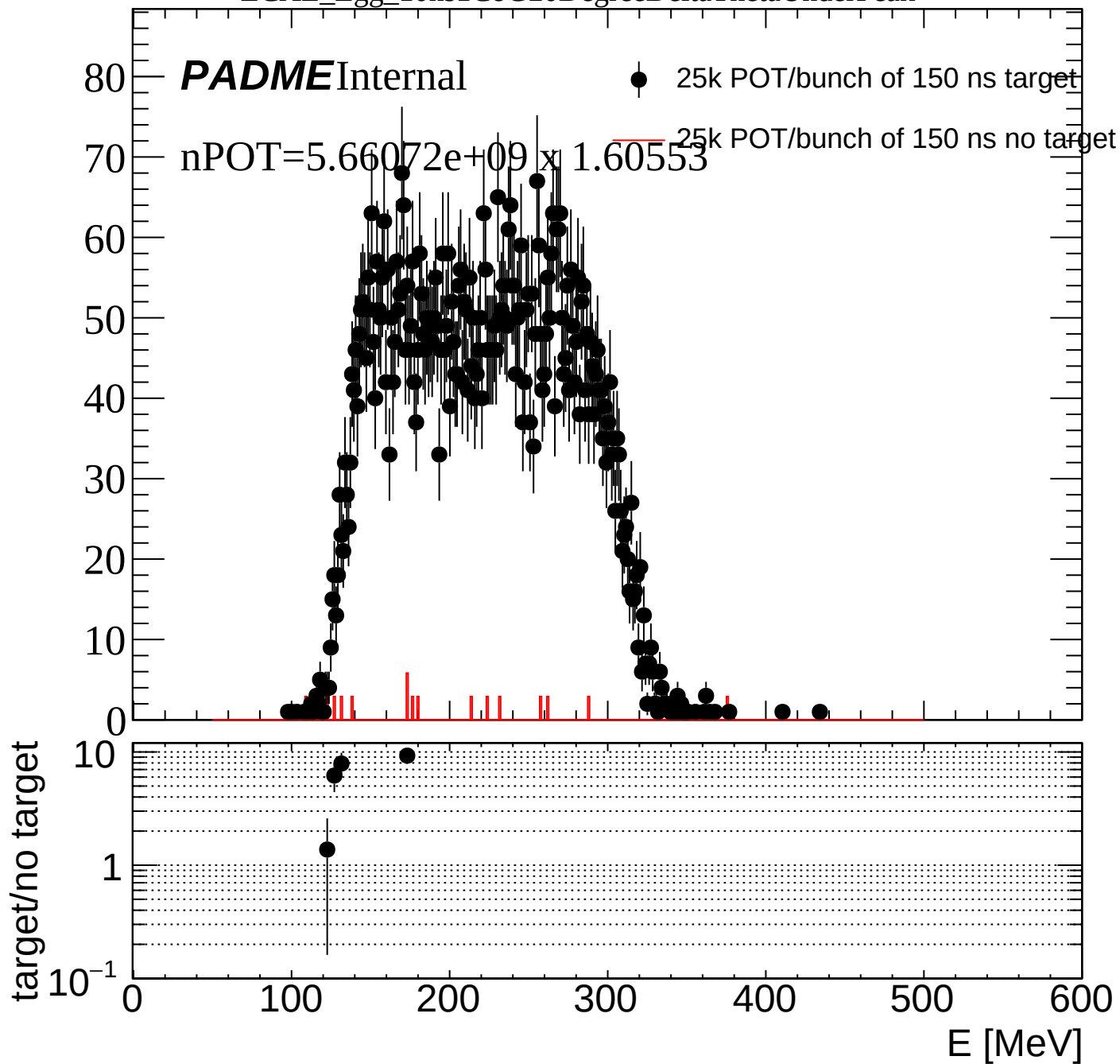
***PADME*** Internal

● 25k POT/bunch of 150 ns target

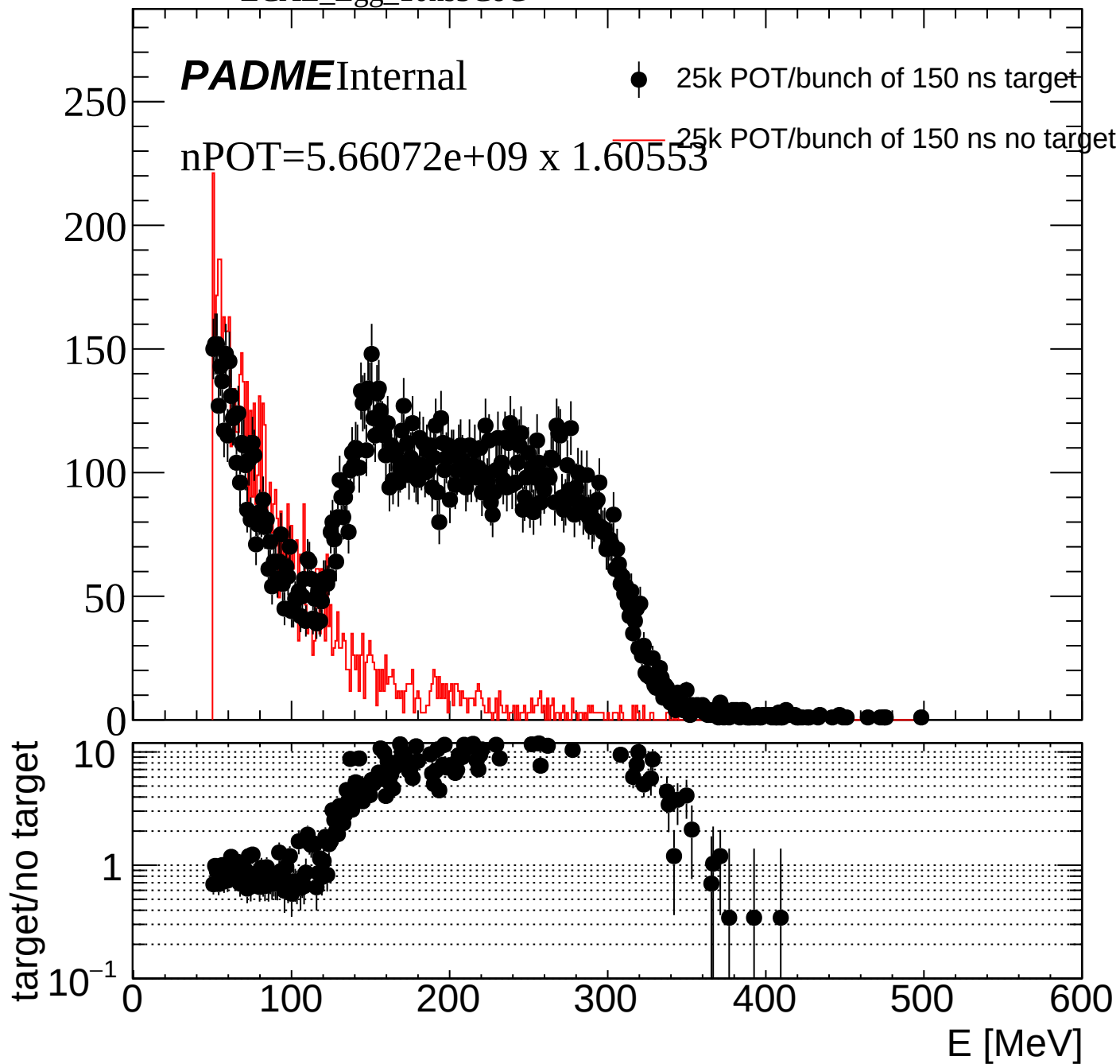
nPOT=5.66072e+09 x 1.60553











ECAL\_Egg\_10ns3CoGUnderPeak

***PADME***Internal

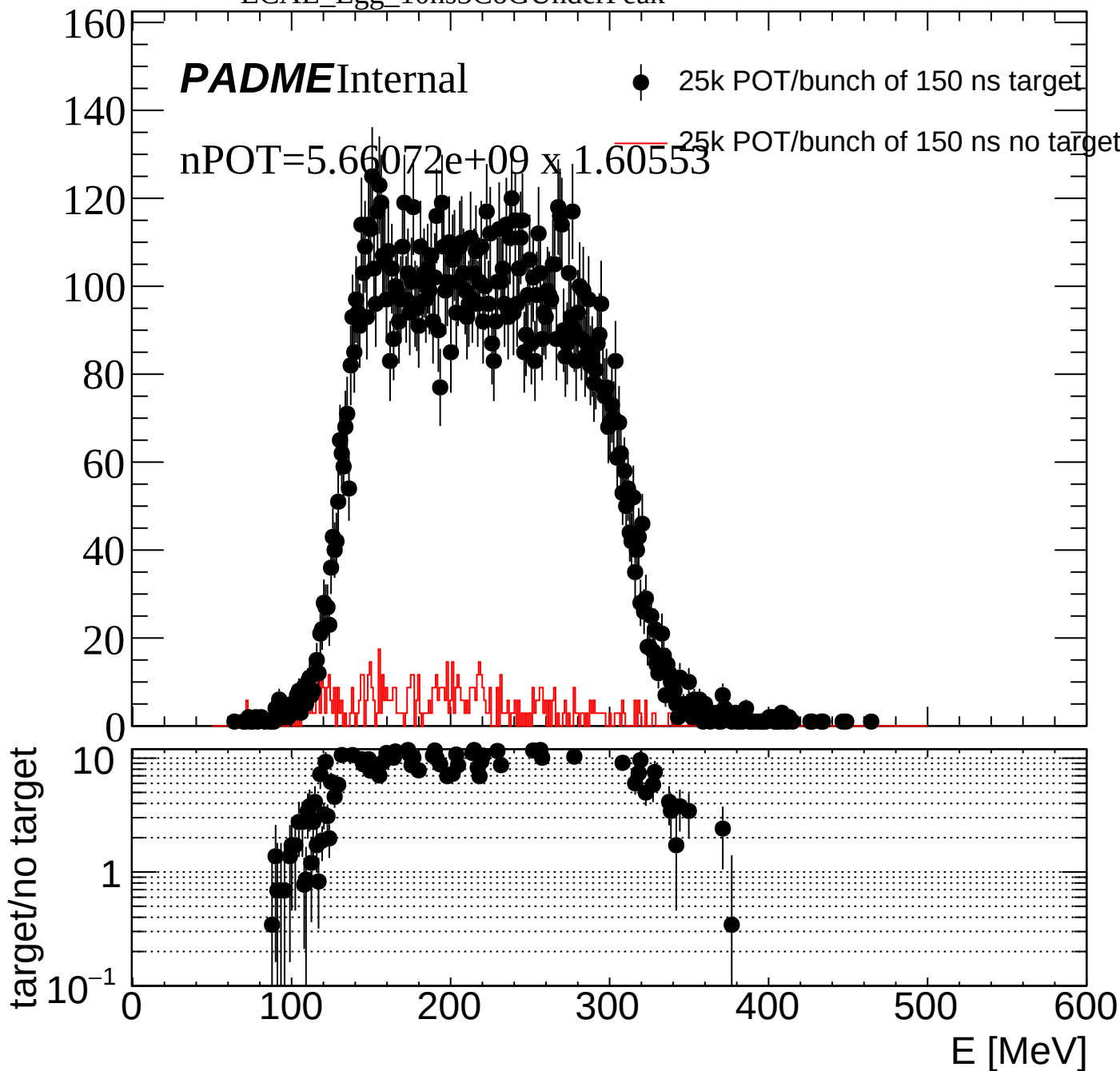
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

— 25k POT/bunch of 150 ns no target

target/no target

E [MeV]



ECAL\_Egg\_10ns3CoGUnderPeakEThr90

***PADME***Internal

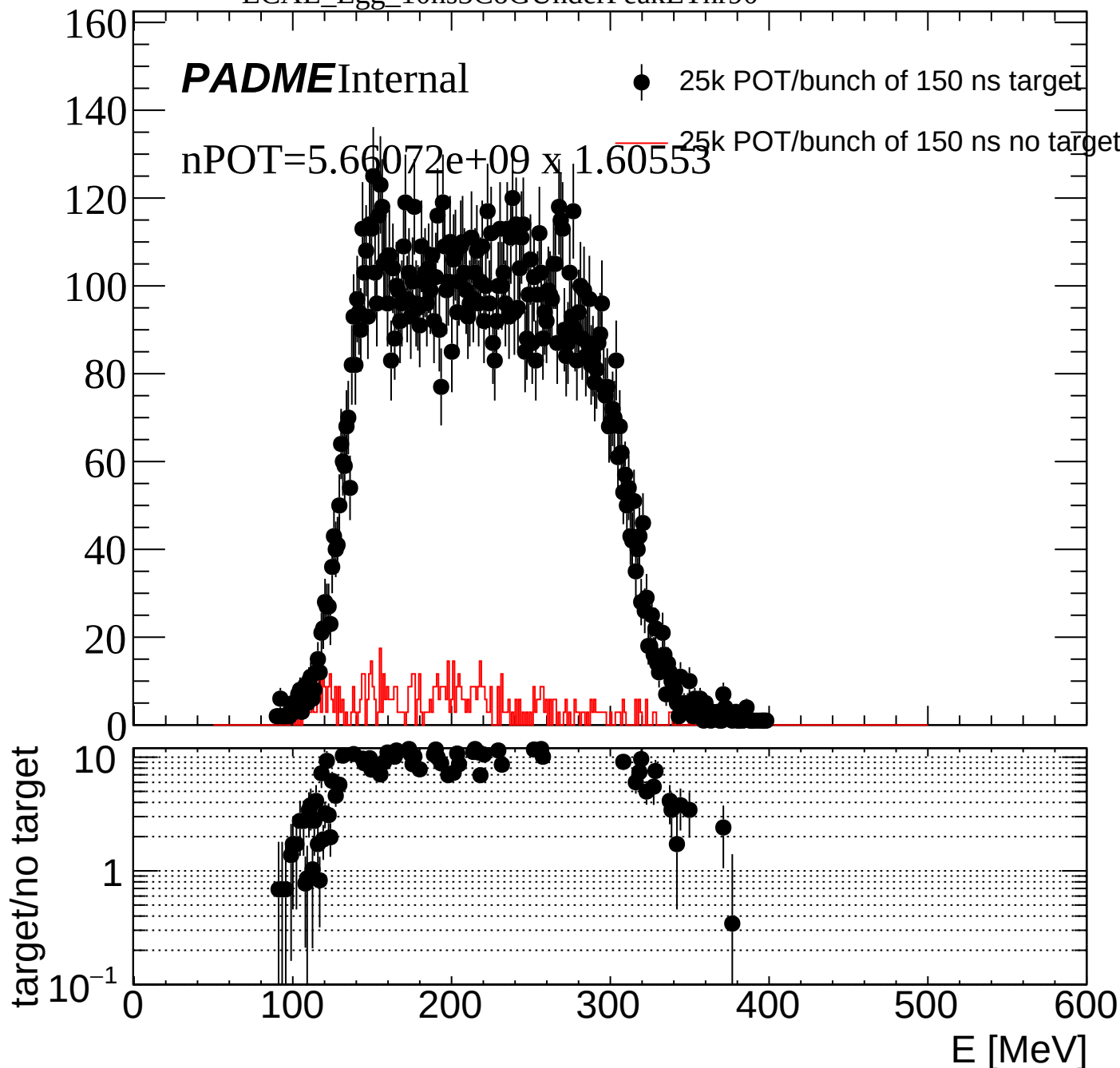
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

— 25k POT/bunch of 150 ns no target

target/no target

E [MeV]



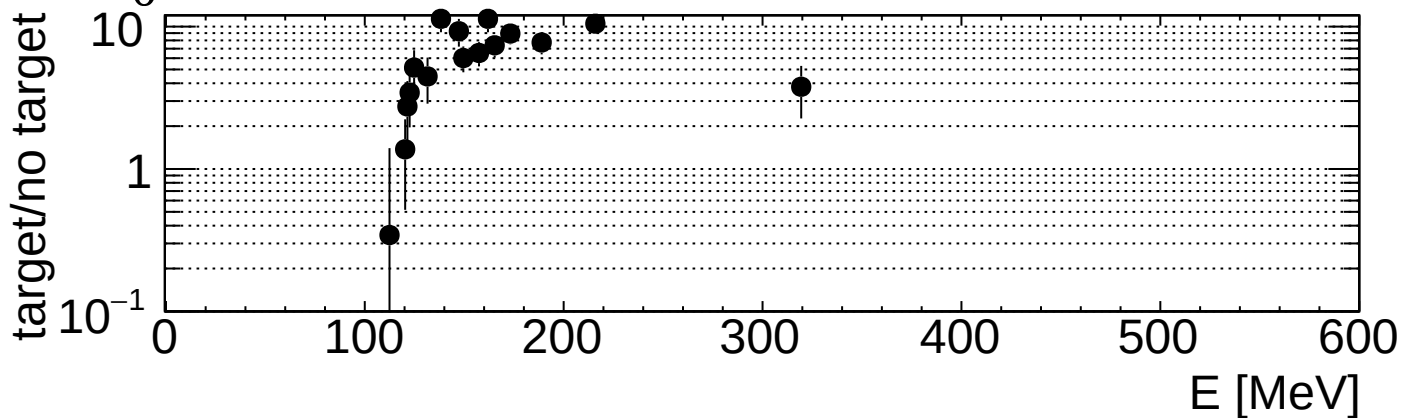
ECAL\_Egg\_10ns3CoGUnderPeakEThr90\_FRY

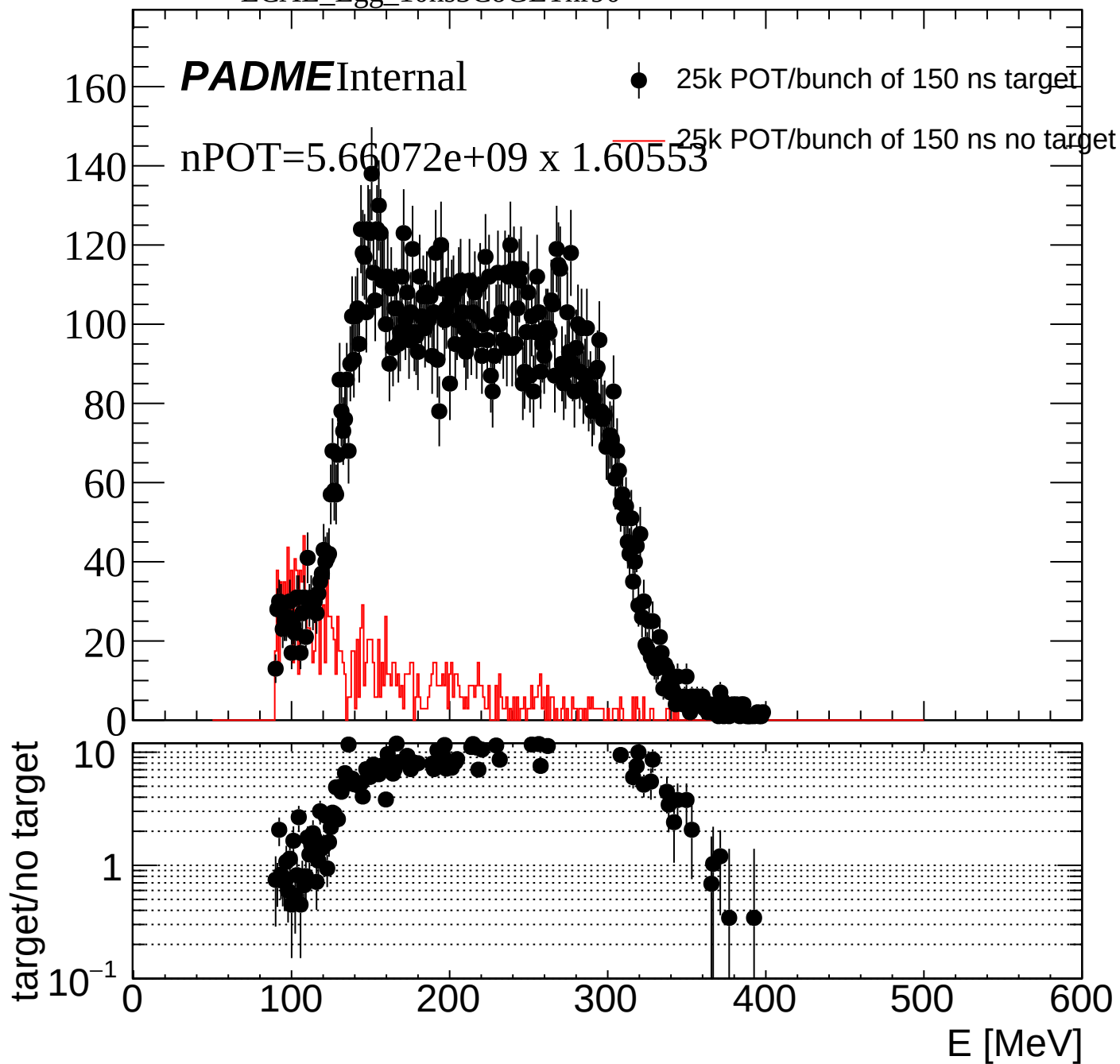
***PADME***Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

— 25k POT/bunch of 150 ns no target





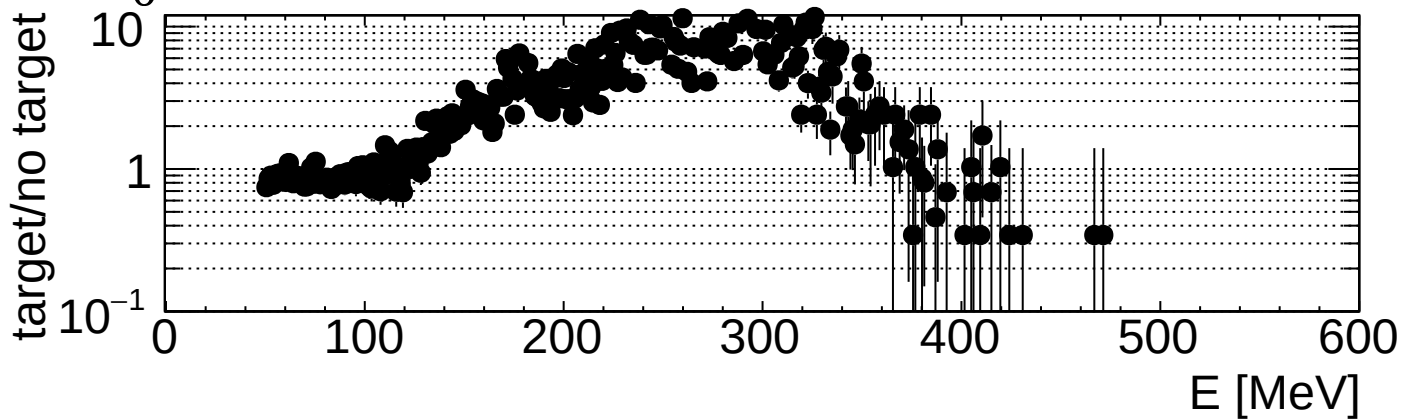
ECAL\_Egg\_10ns5CoG

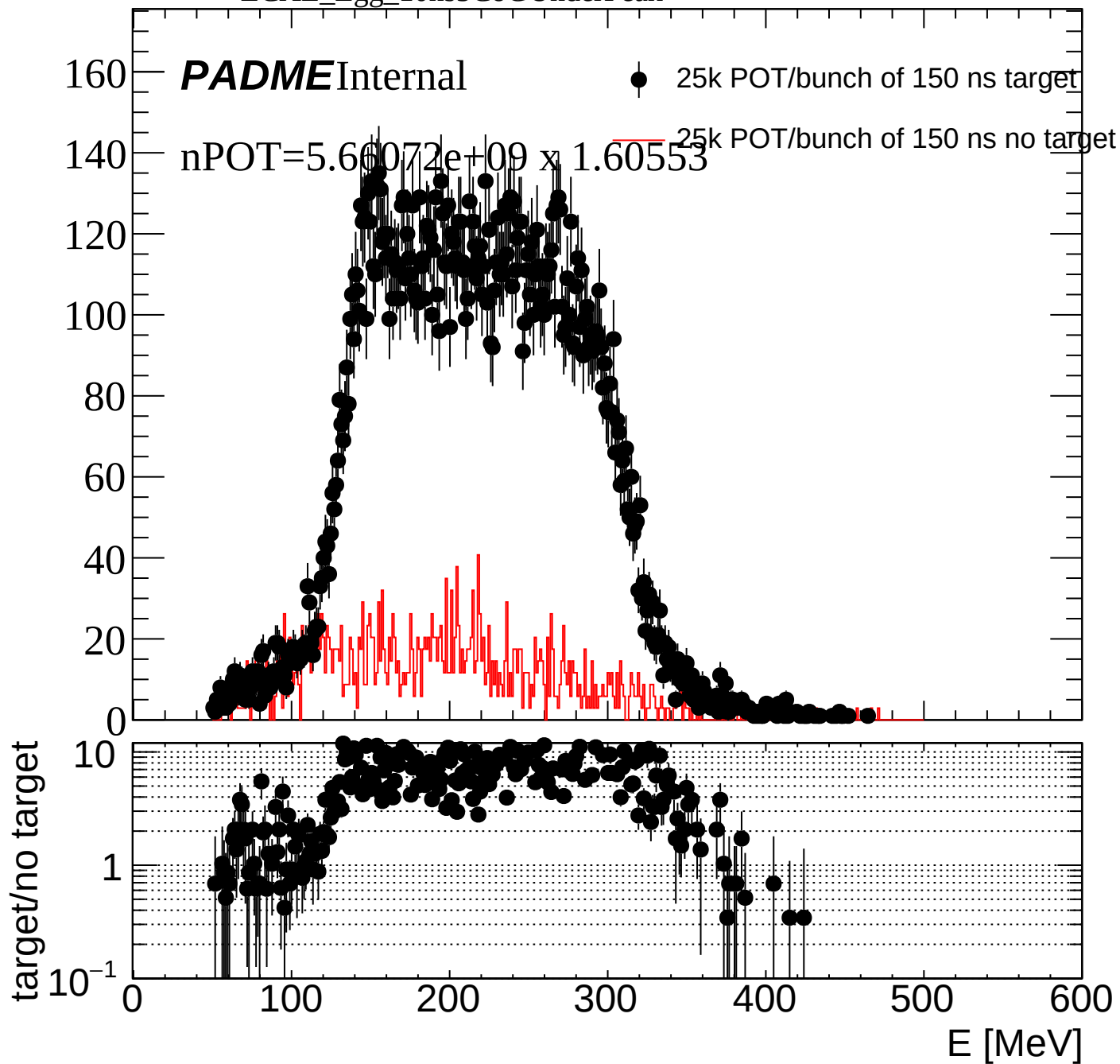
***PADME***Internal

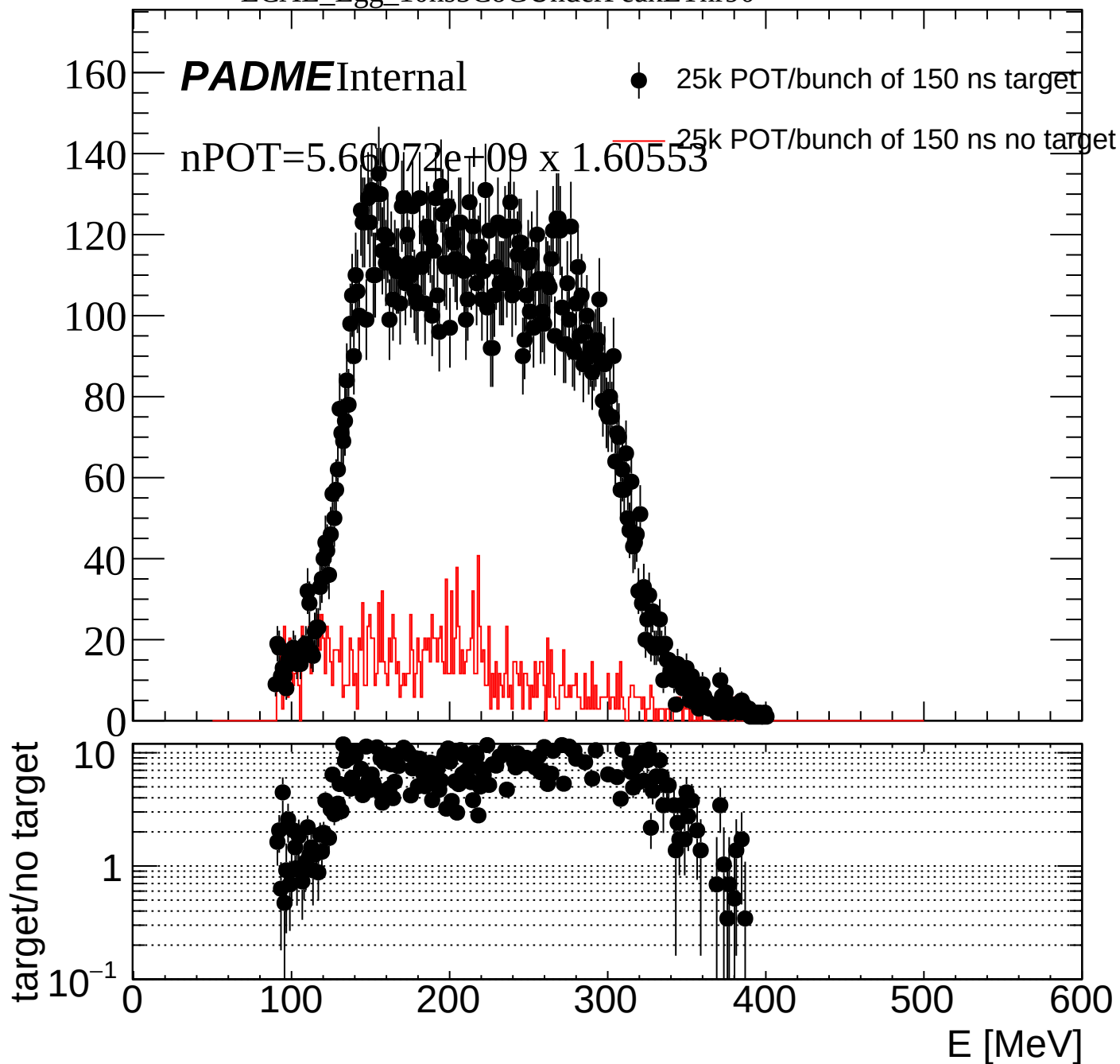
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

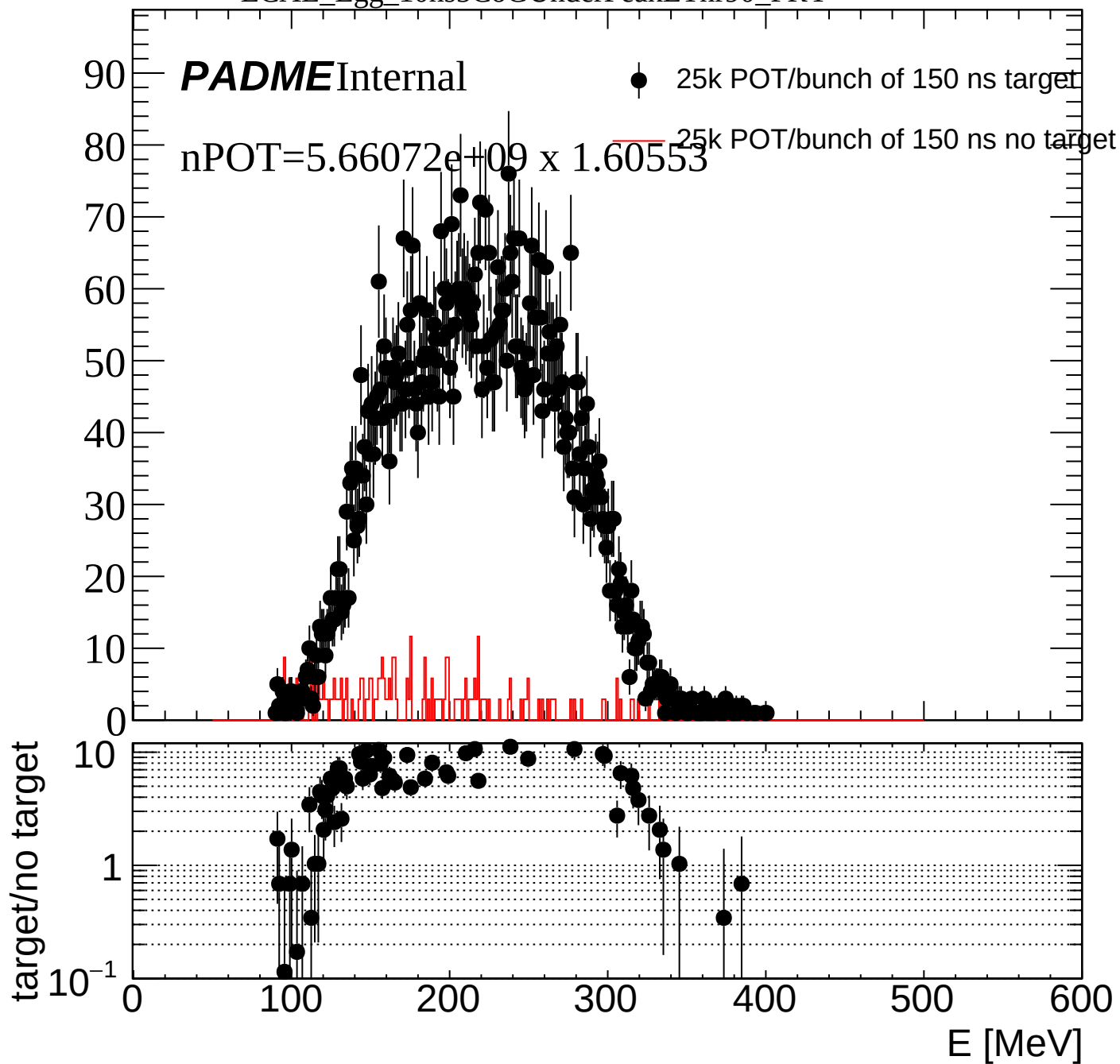
— 25k POT/bunch of 150 ns no target

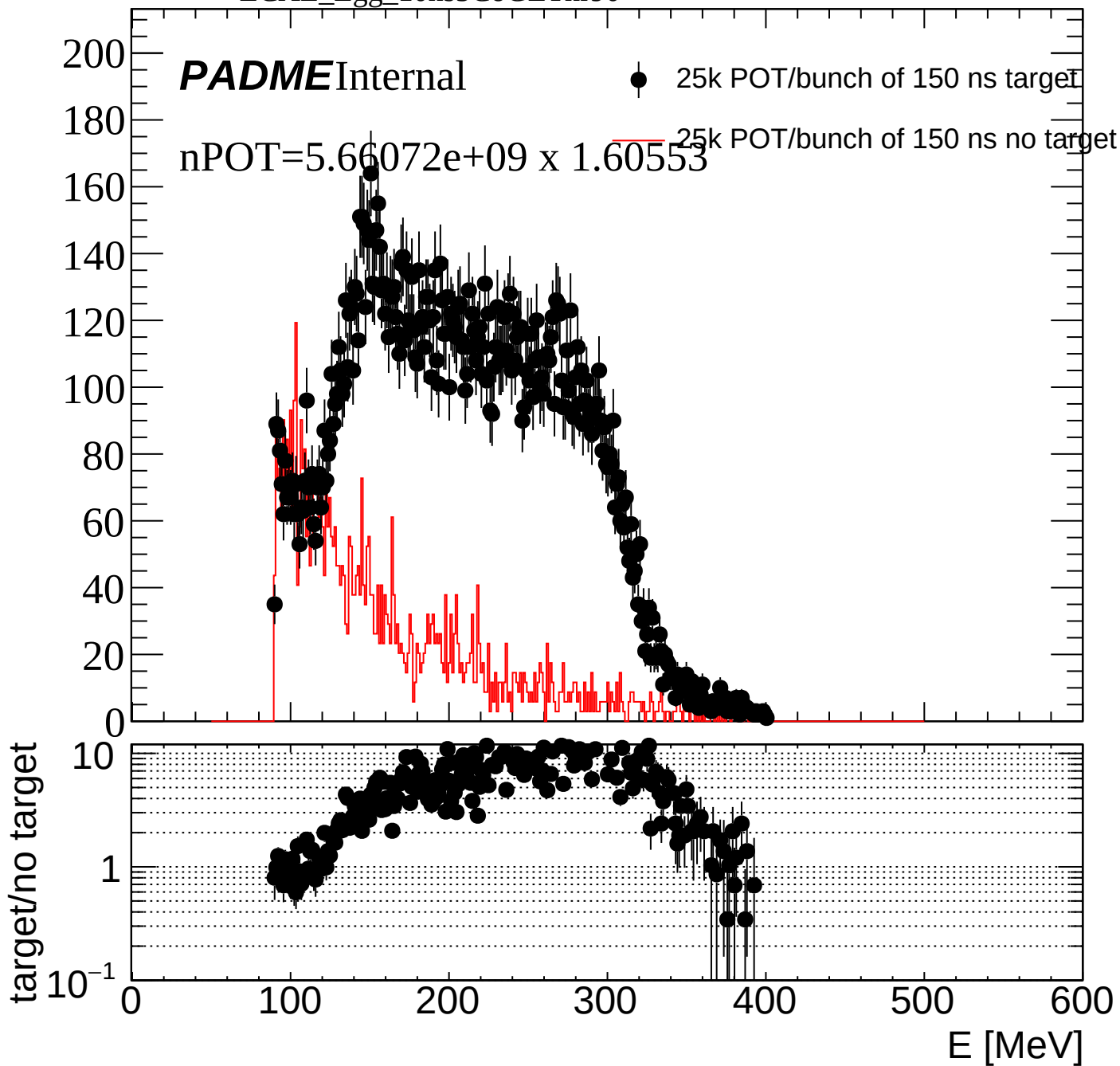


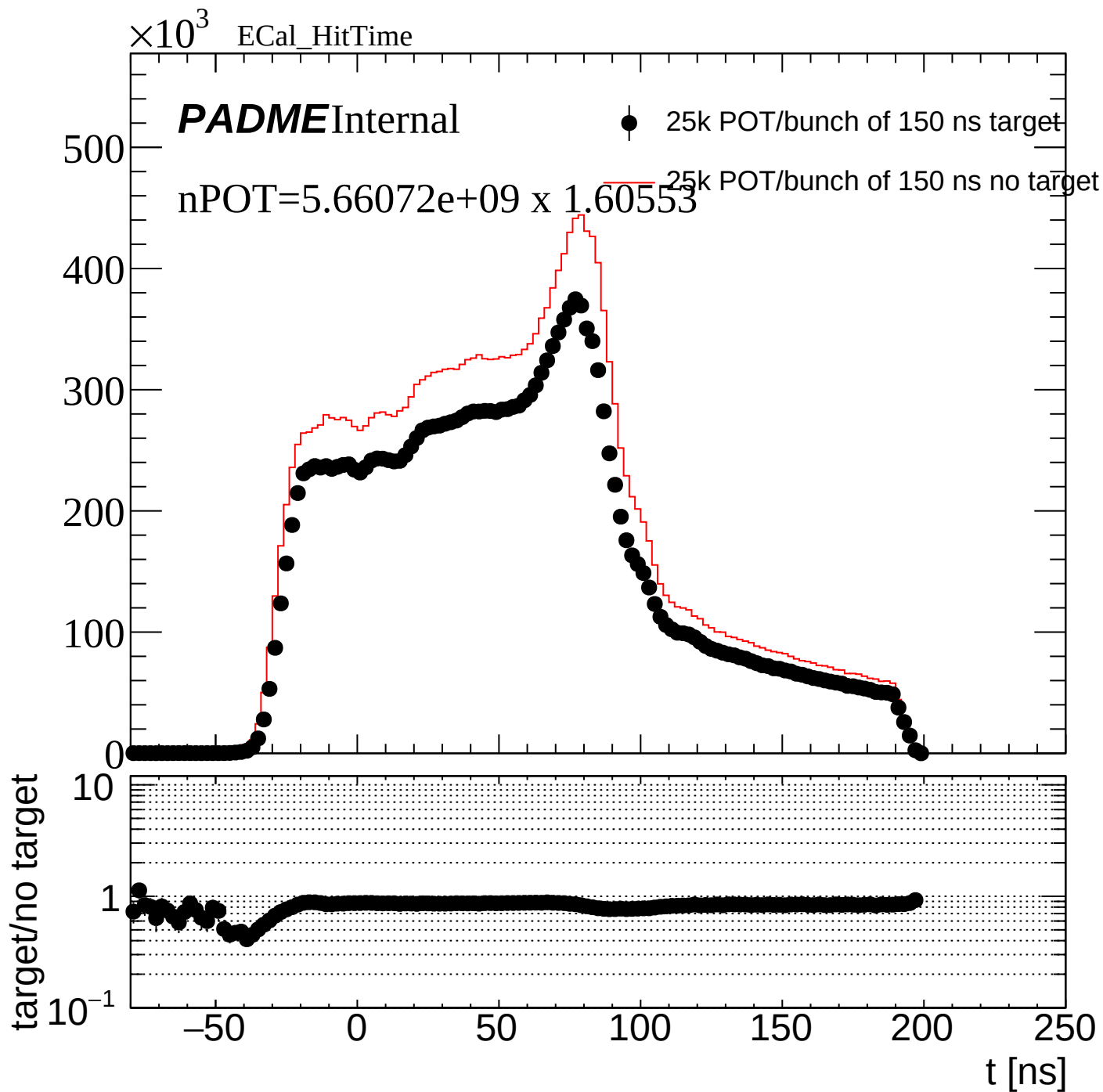












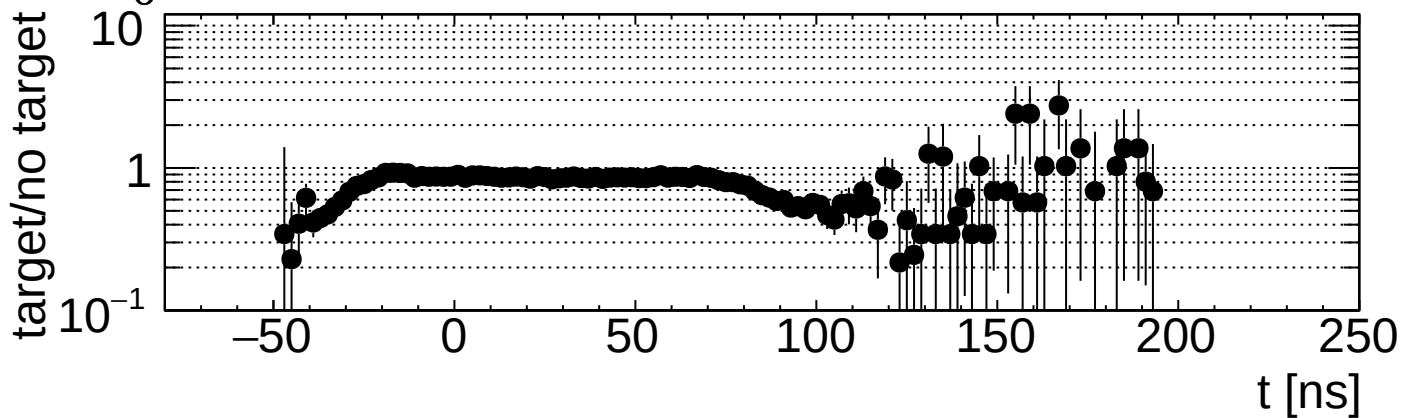
ECal\_ClusterTime

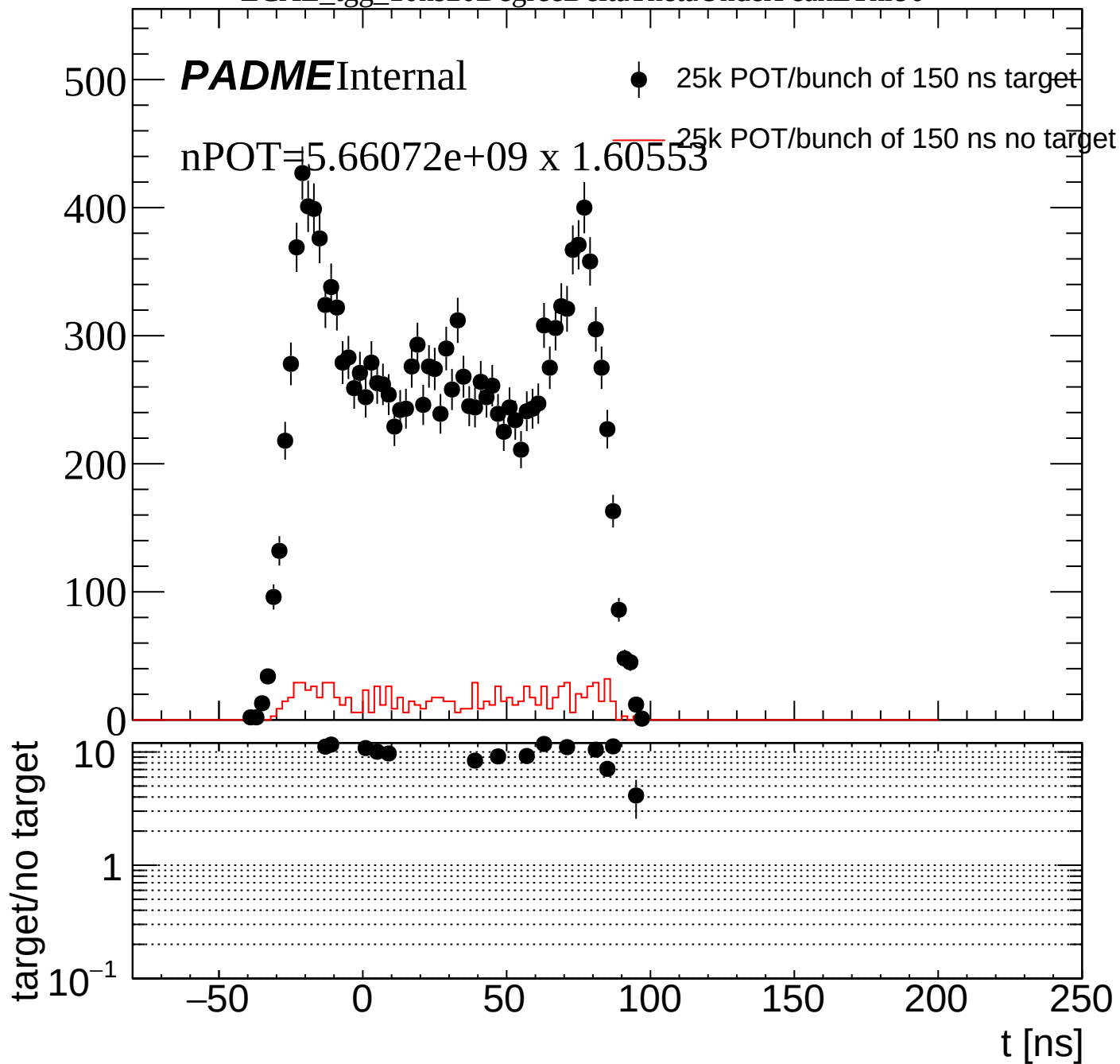
***PADME***Internal

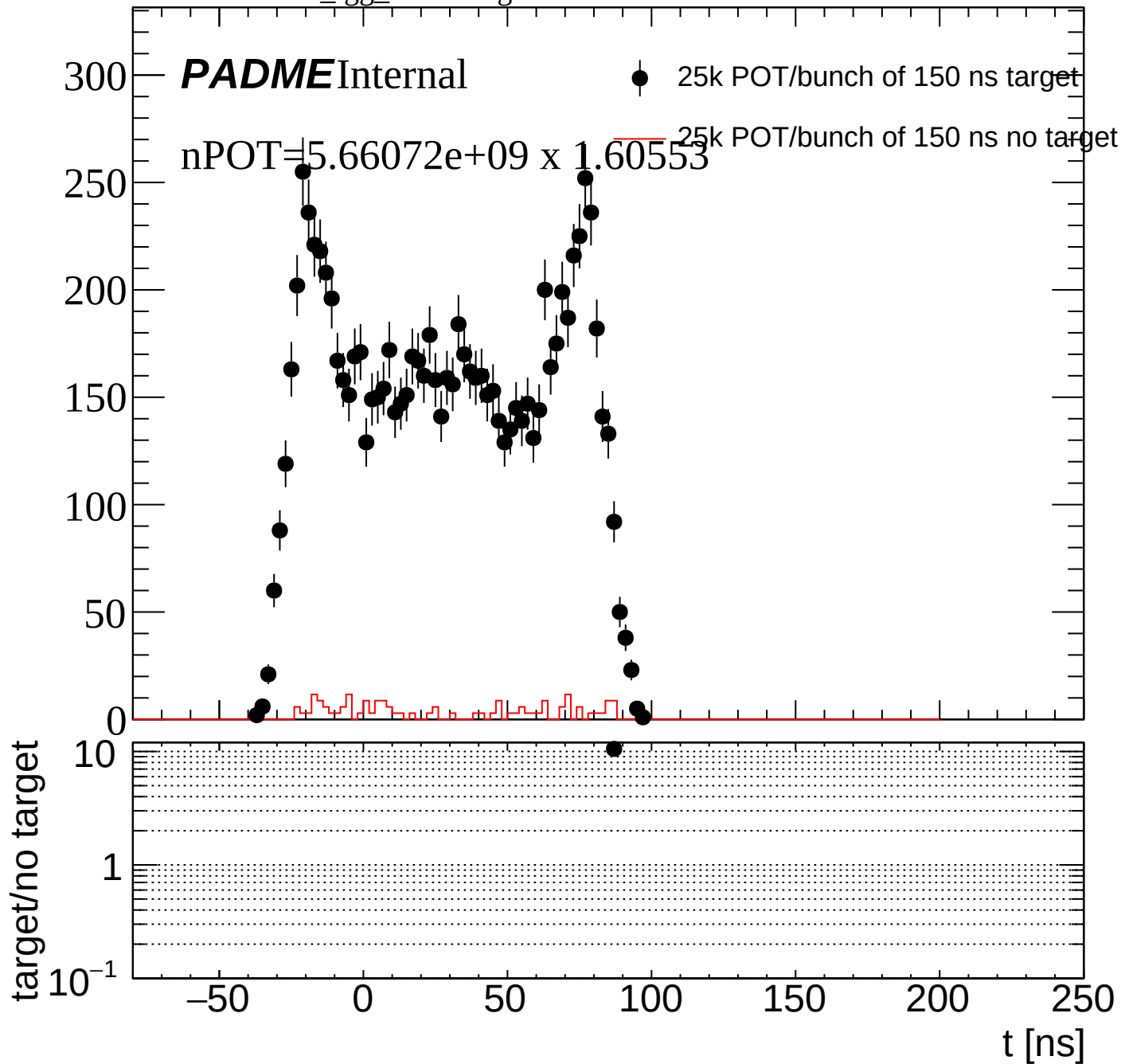
● 25k POT/bunch of 150 ns target

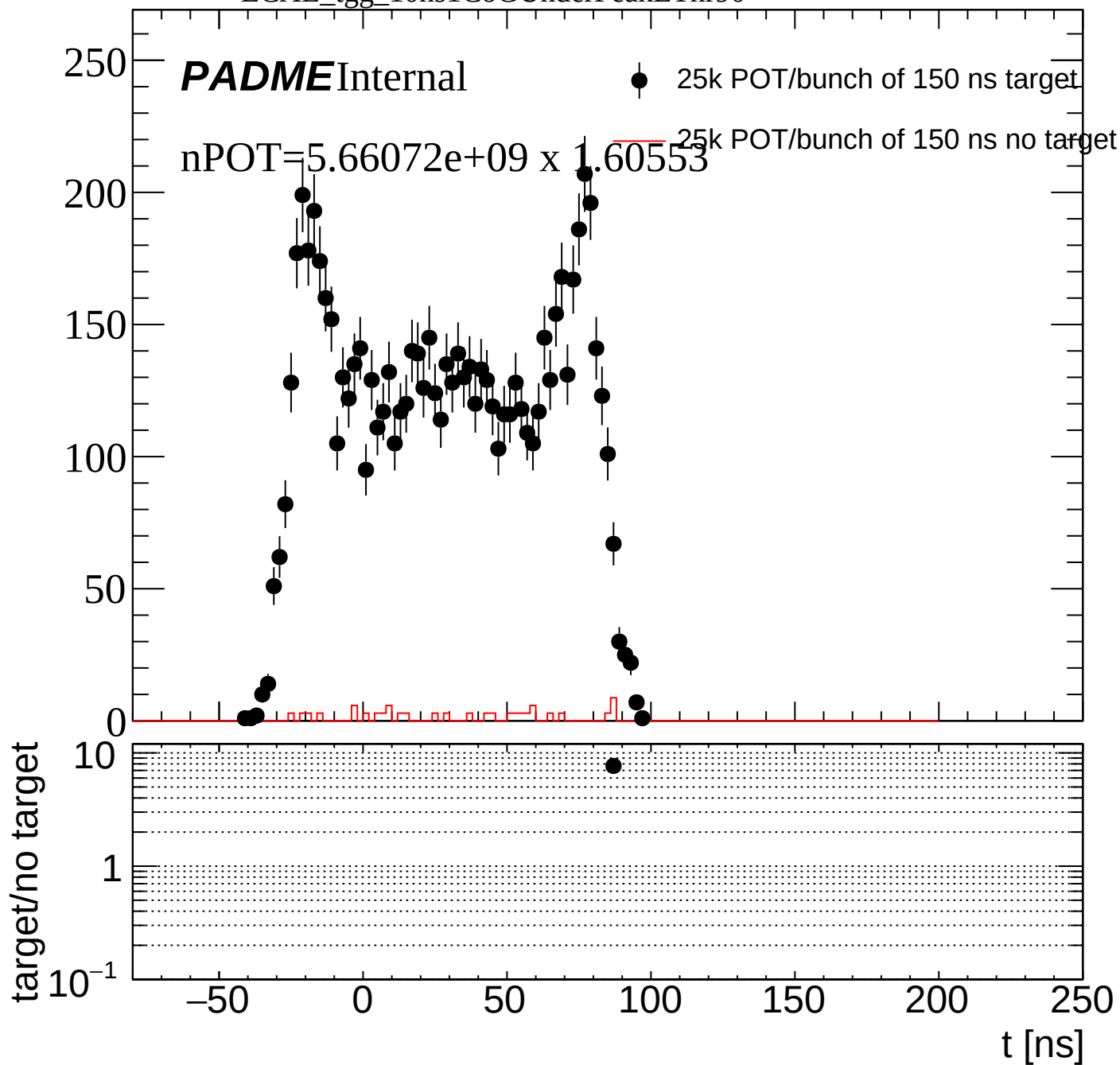
— 25k POT/bunch of 150 ns no target

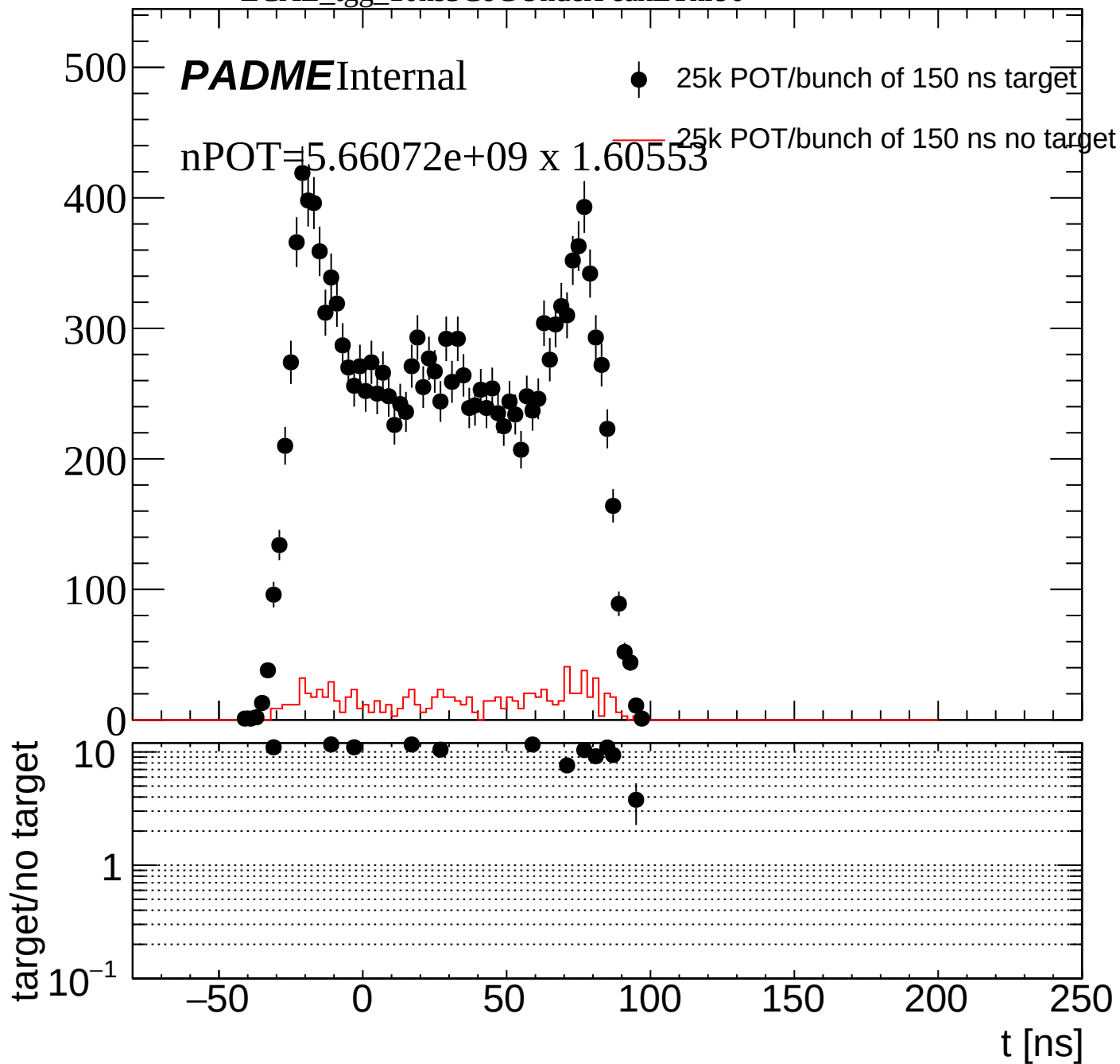
nPOT=5.66072e+09 x 1.60553





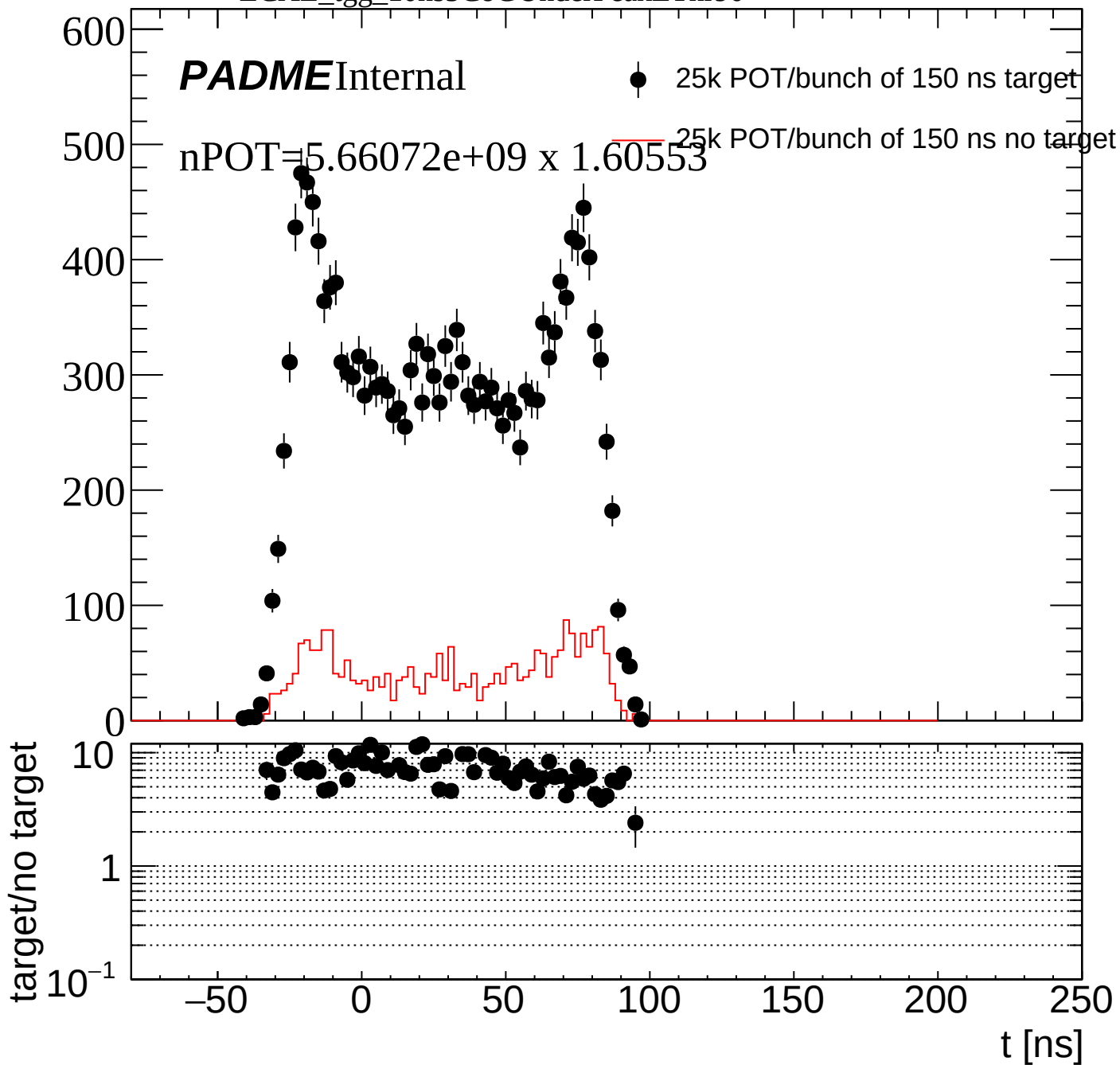








ECAL\_tgg\_10ns5CoGUnderPeakEThr90



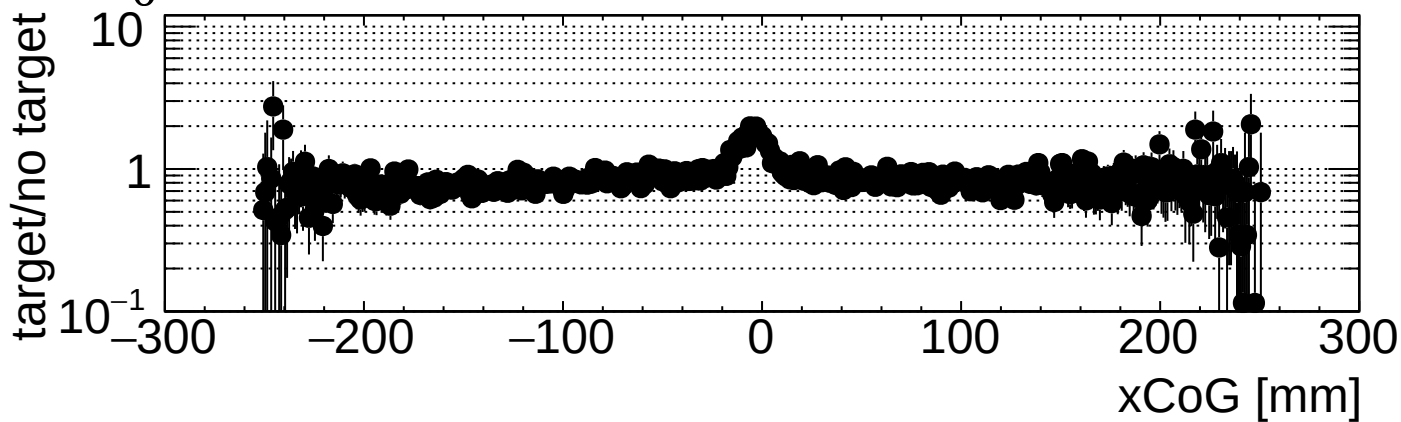
ECal\_xCoG\_10ns

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



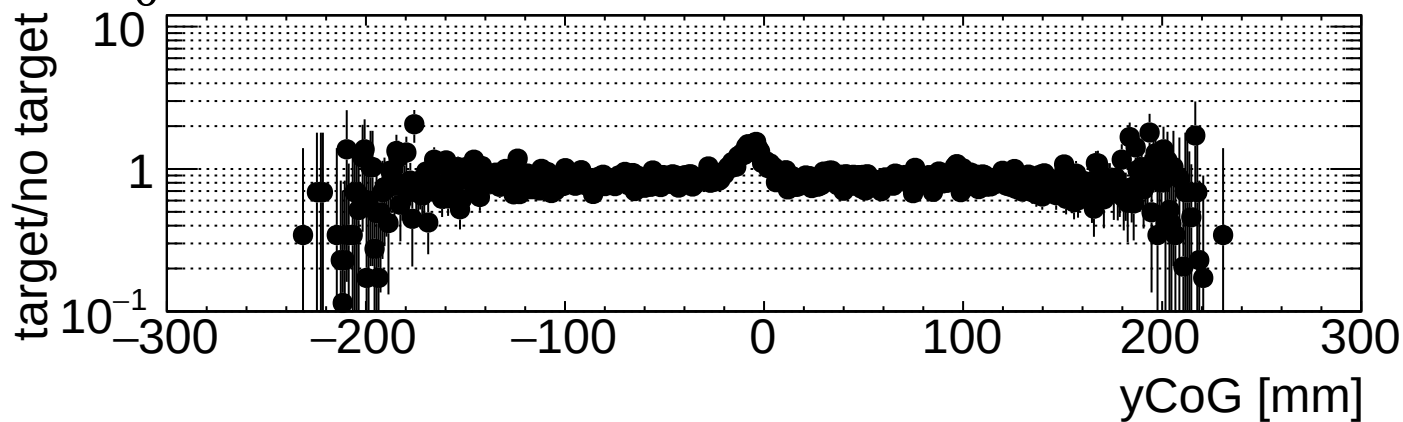
ECal\_yCoG\_10ns

***PADME***Internal

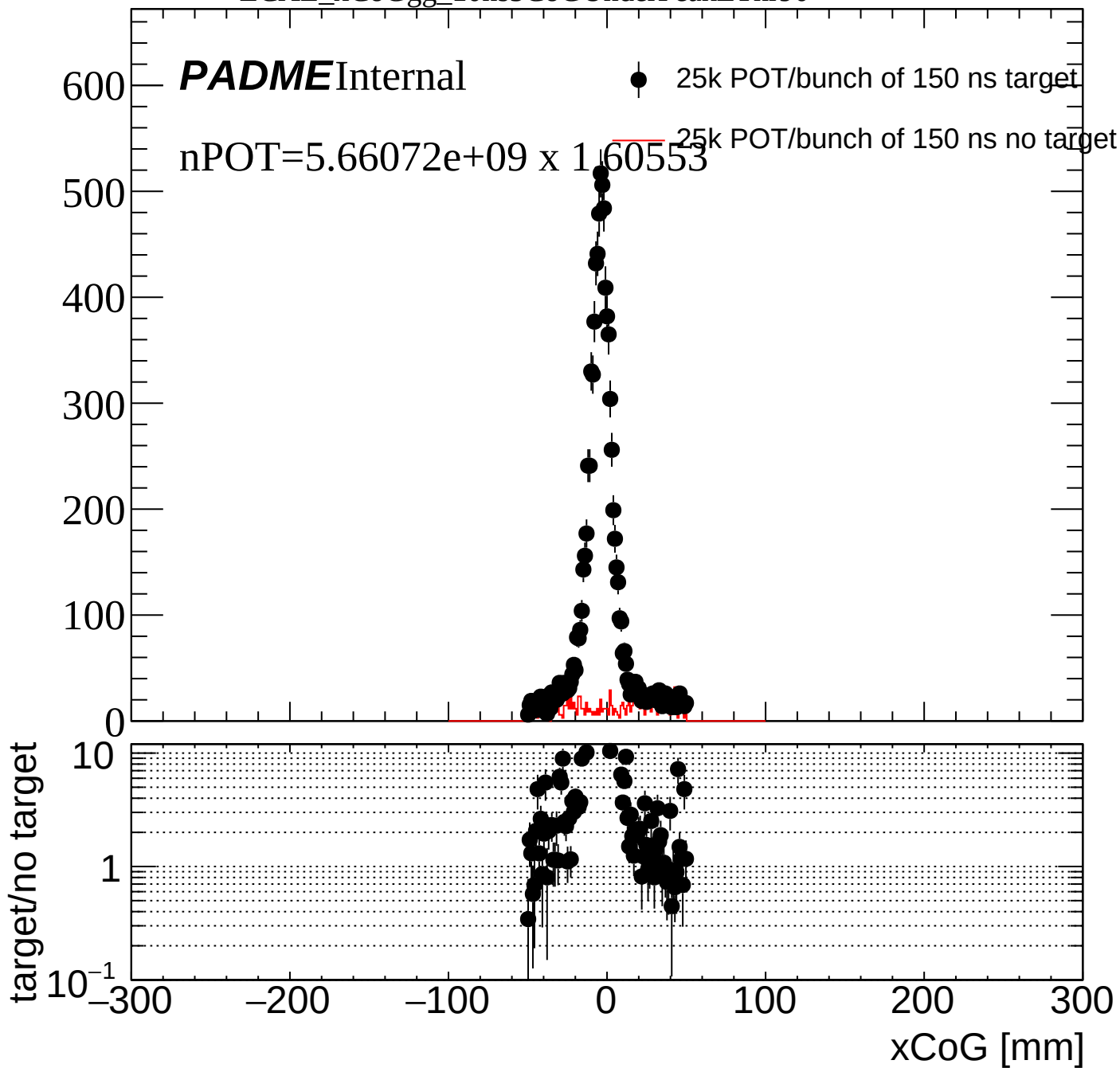
nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



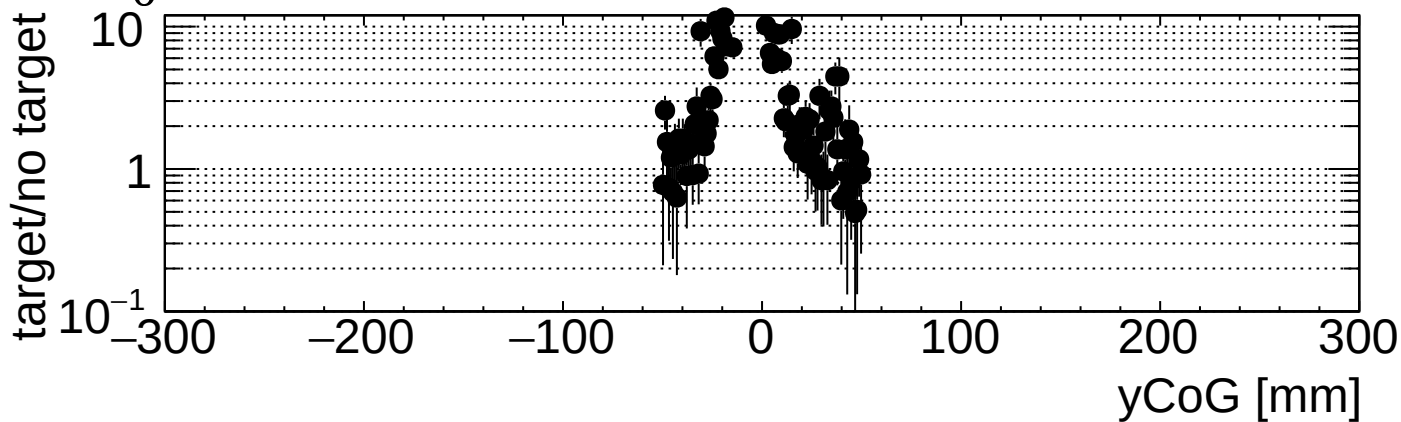
ECAL\_xCoGgg\_10ns5CoGUnderPeakEThr90



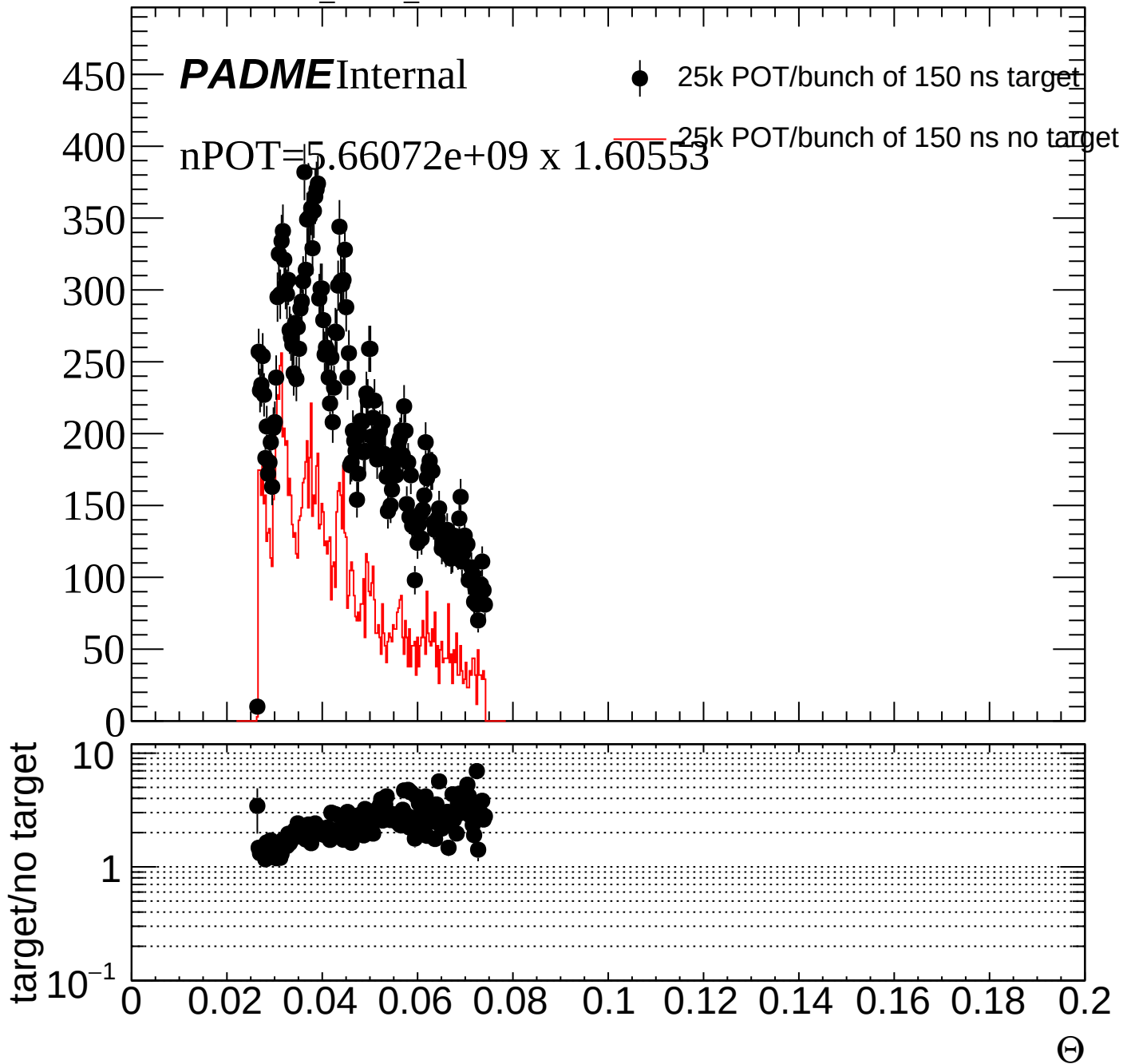
**PADME**Internal

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

 $nPOT=5.66072e+09 \times 1.60553$ 

ECAL\_Theta\_10nsUnderPeakEThr90



ECAL\_ThetaG1\_10nsUnderPeakEThr90

***PADME***Internal

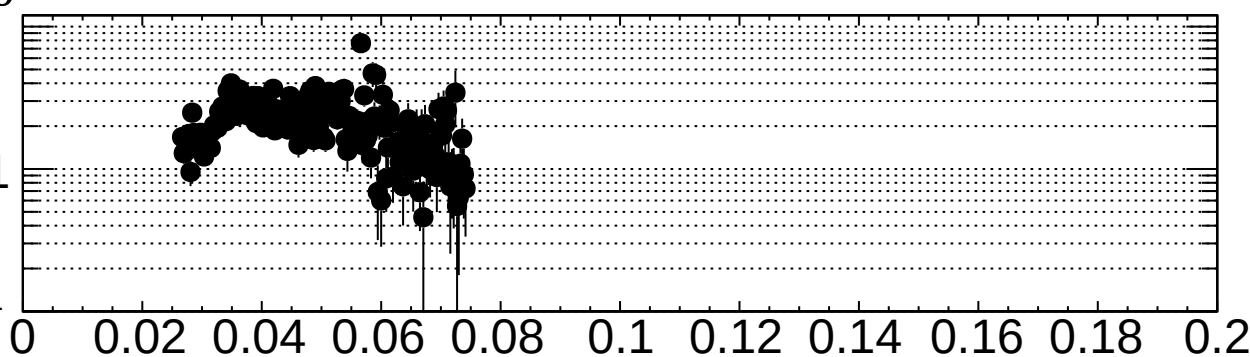
● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553

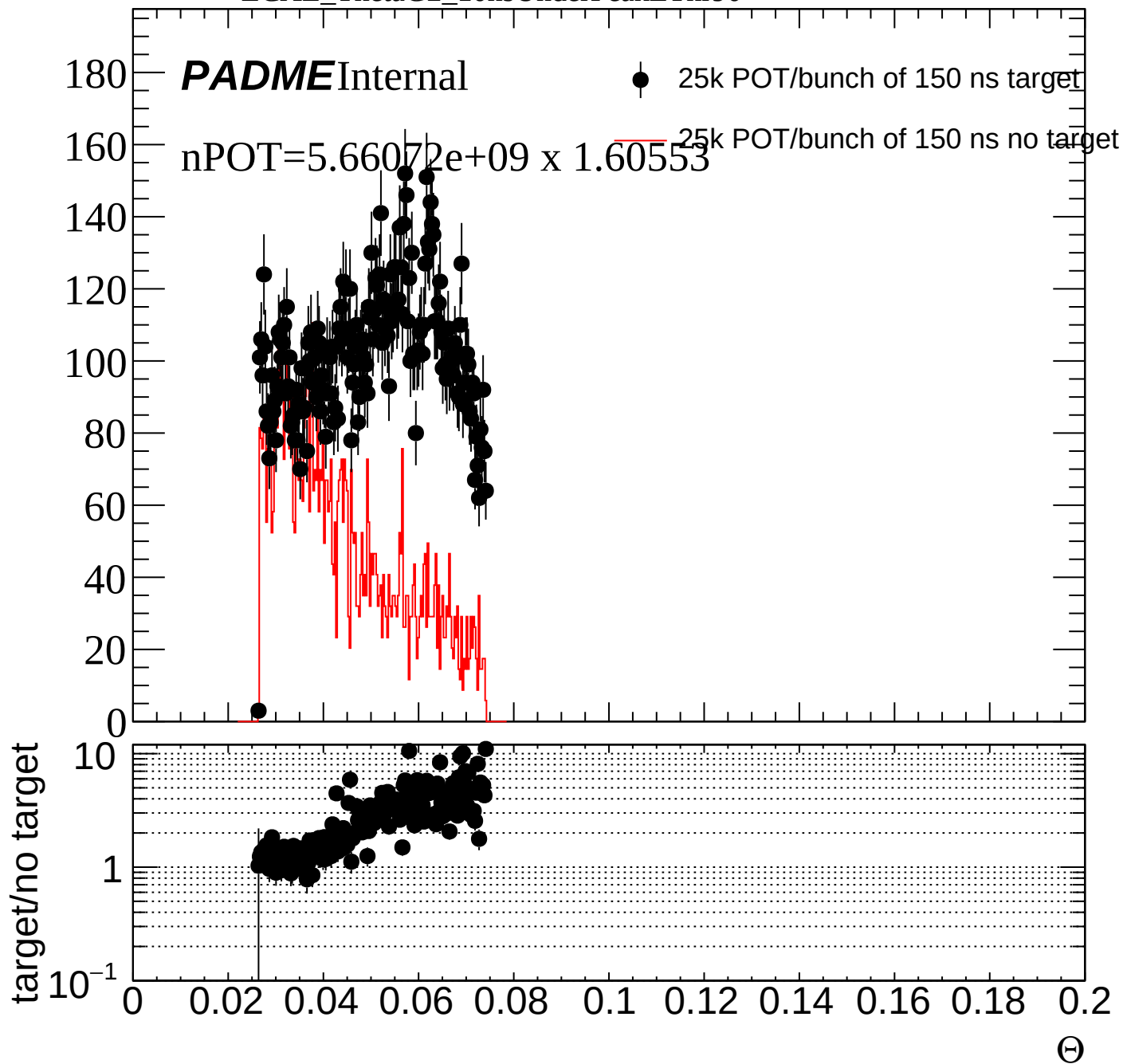
— 25k POT/bunch of 150 ns no target

target/no target

10  
1  
10<sup>-1</sup>



$\Theta$



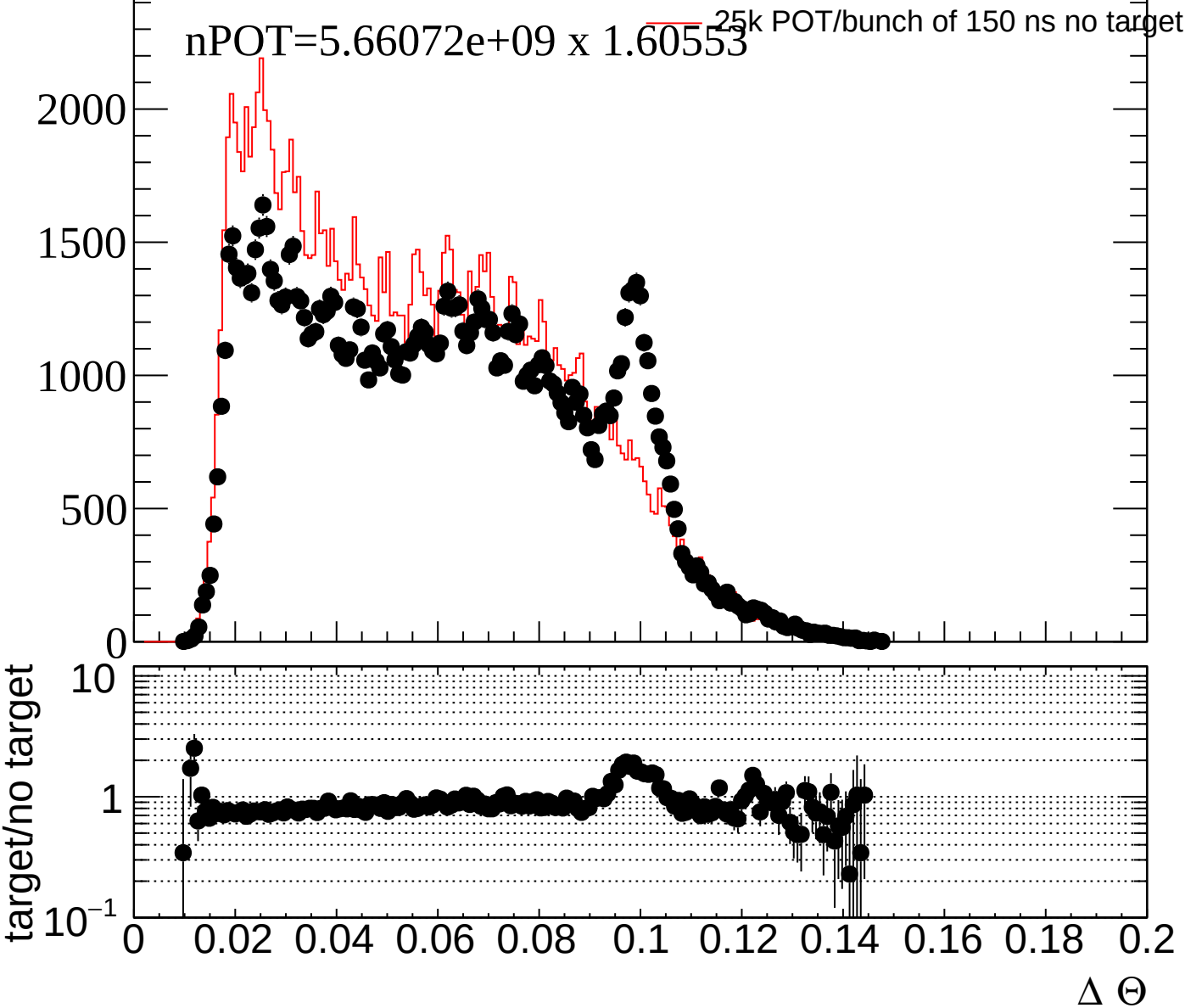


ECAL\_DeltaTheta\_10ns

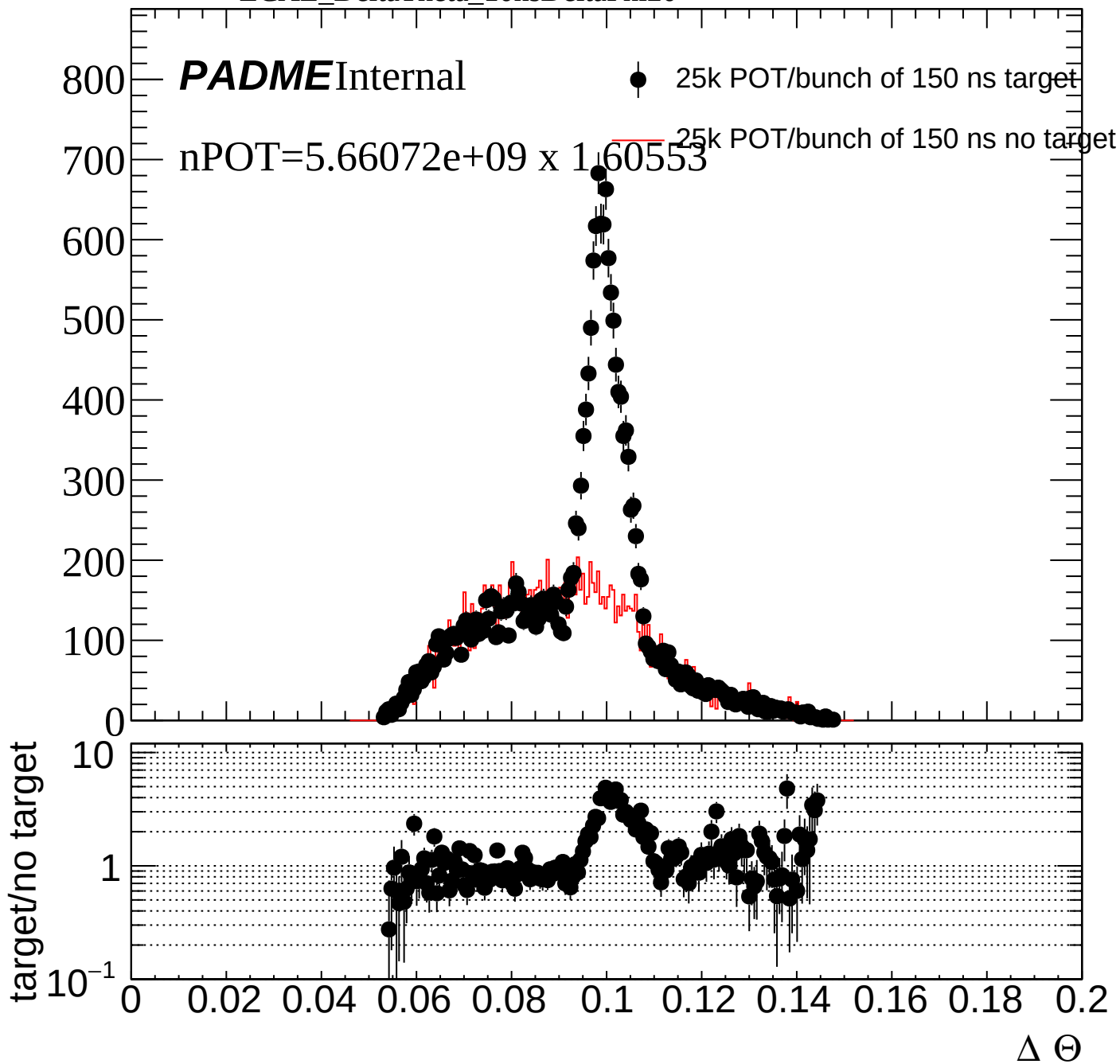
***PADME***Internal

● 25k POT/bunch of 150 ns target

nPOT=5.66072e+09 x 1.60553



ECAL\_DeltaTheta\_10nsDeltaPhi20



ECAL\_DeltaTheta\_10nsUnderPeakEThr90

***PADME***Internal

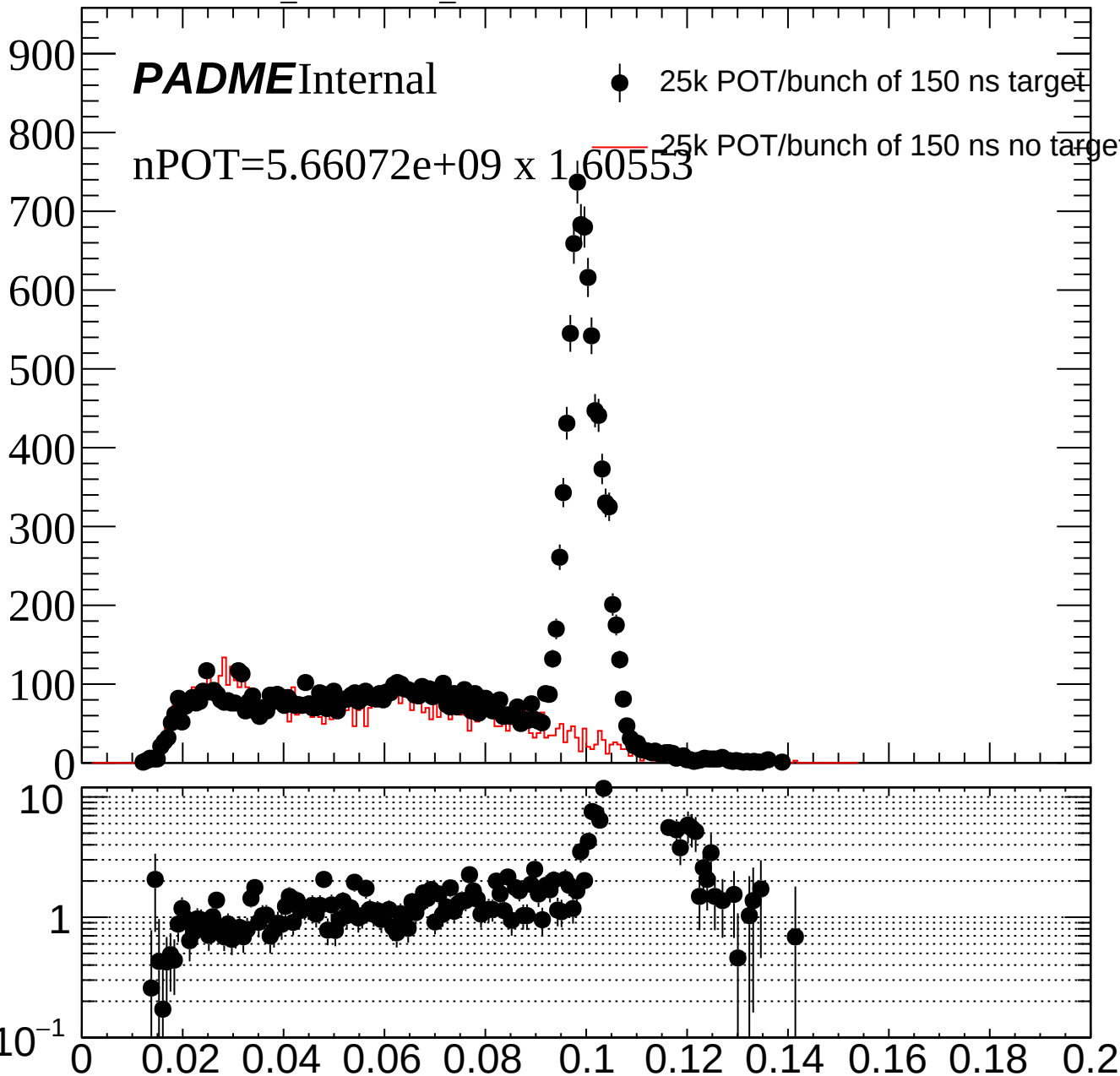
nPOT=5.66072e+09 x 1.60553

25k POT/bunch of 150 ns target

25k POT/bunch of 150 ns no target

target/no target

$\Delta \Theta$



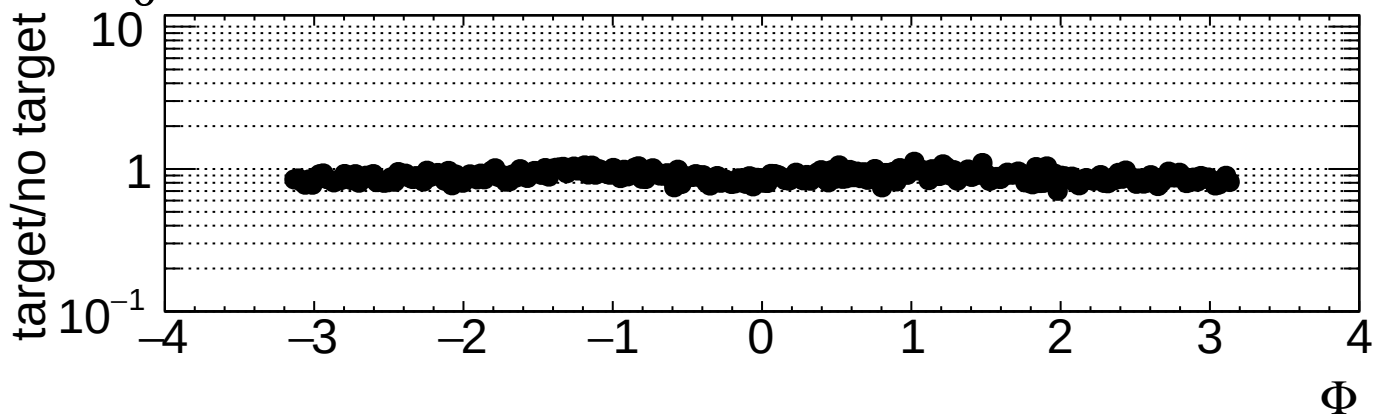
ECAL\_Phi\_10ns

***PADME***Internal

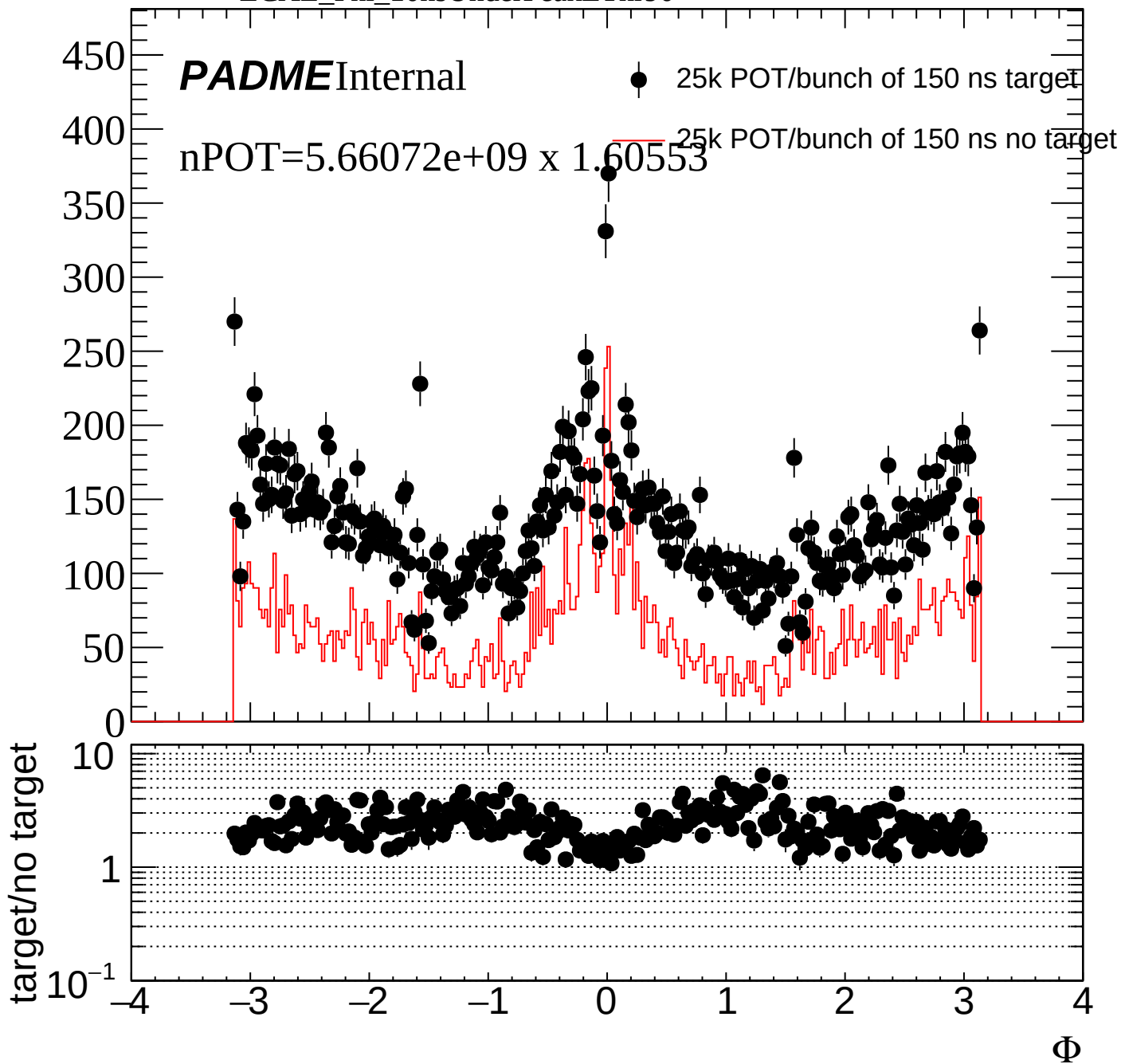
● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

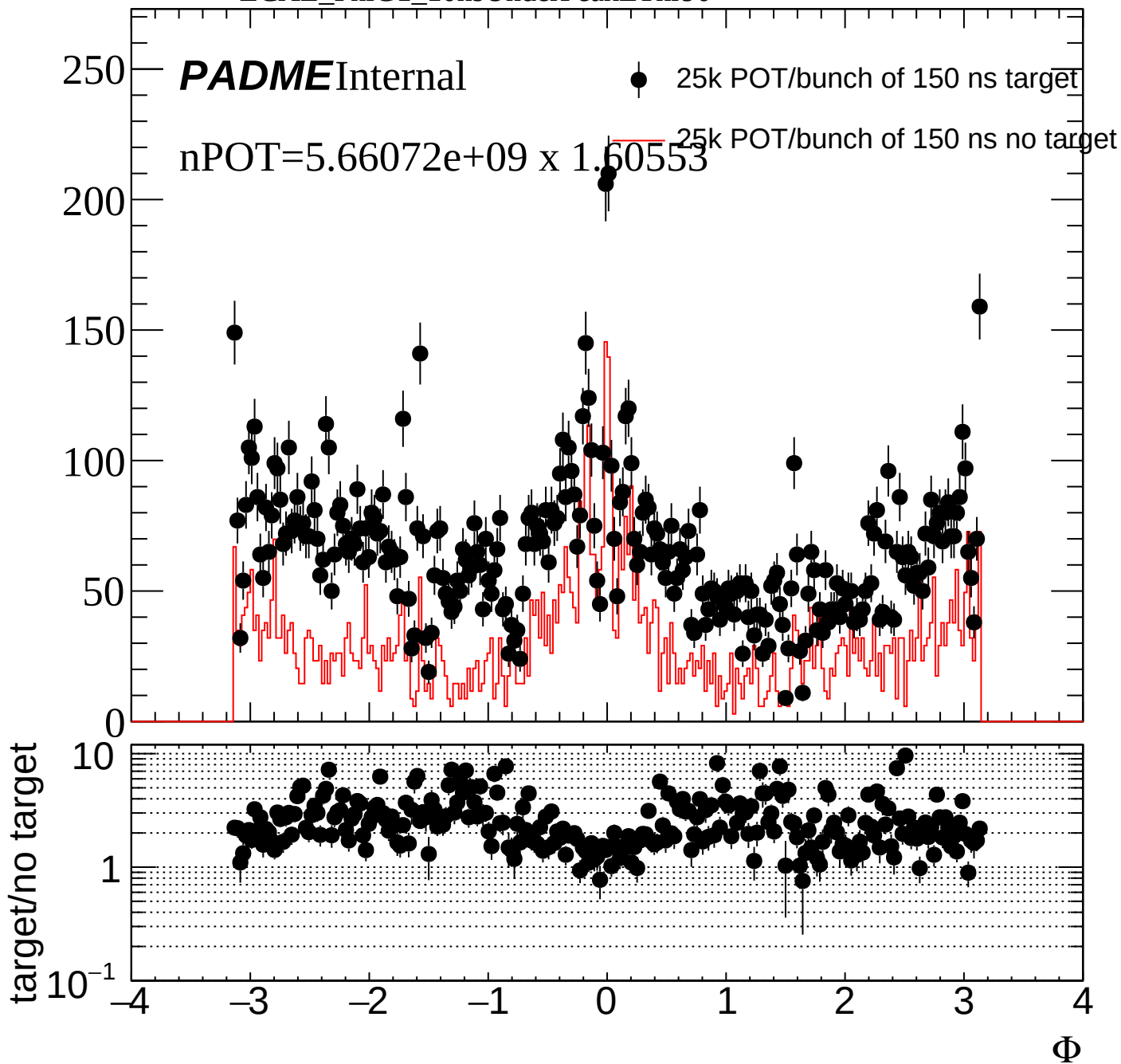
nPOT=5.66072e+09 x 1.60553



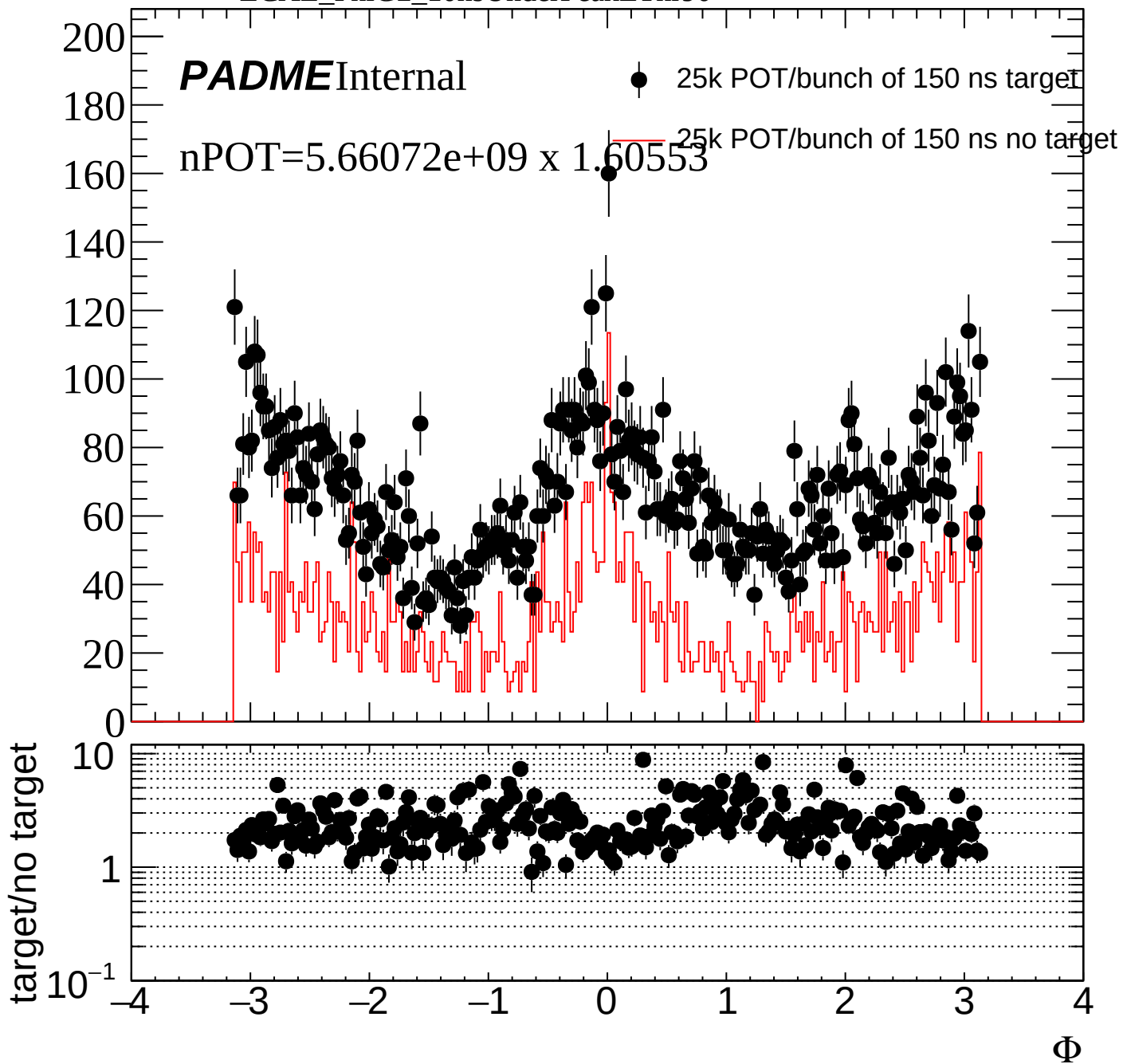
ECAL\_Phi\_10nsUnderPeakEThr90



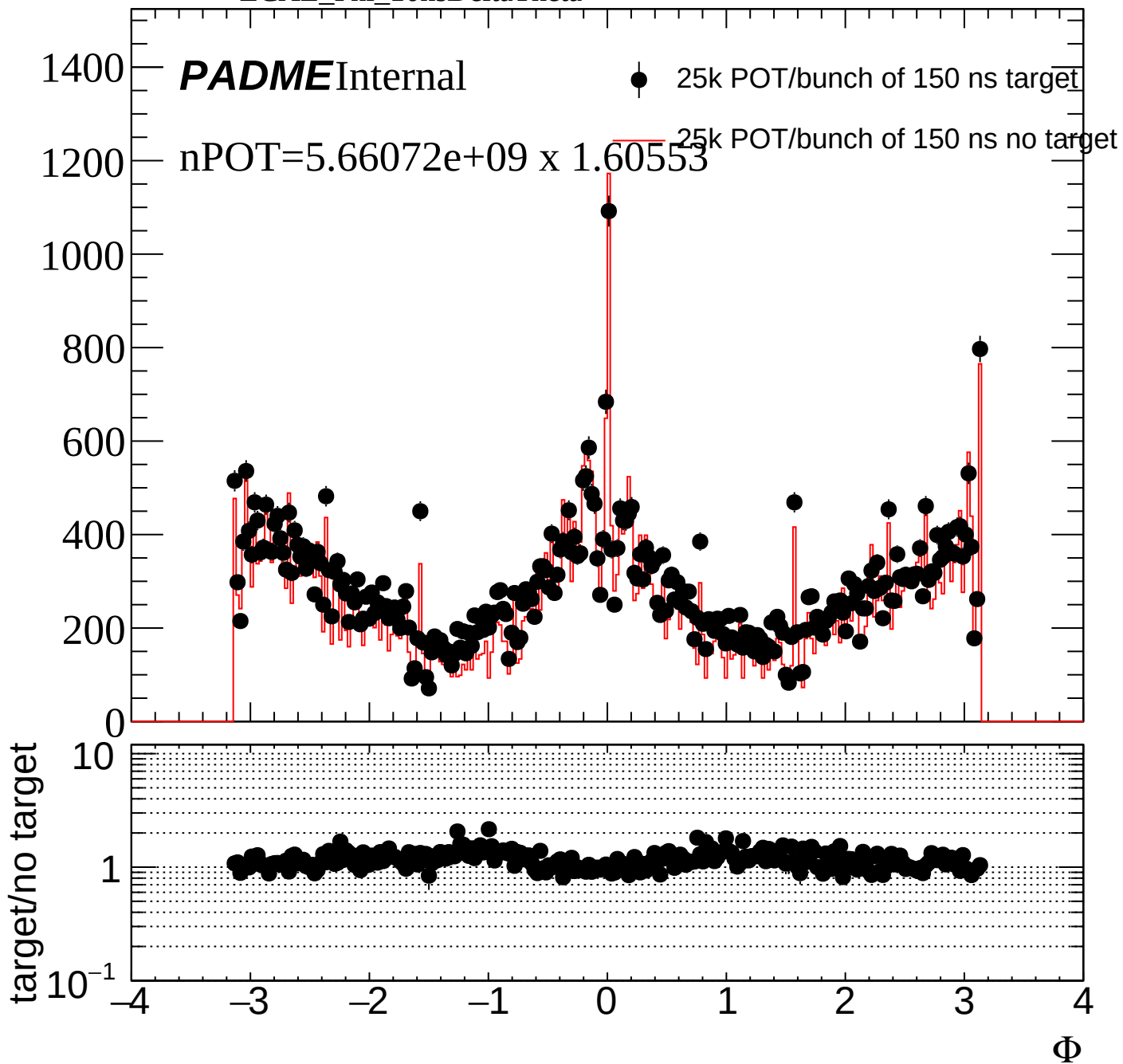
ECAL\_PhiG1\_10nsUnderPeakEThr90



ECAL\_PhiG2\_10nsUnderPeakEThr90



ECAL\_Phi\_10nsDeltaTheta





ECAL\_Phi\_10ns20DegreeDeltaThetaUnderPeakEThr90

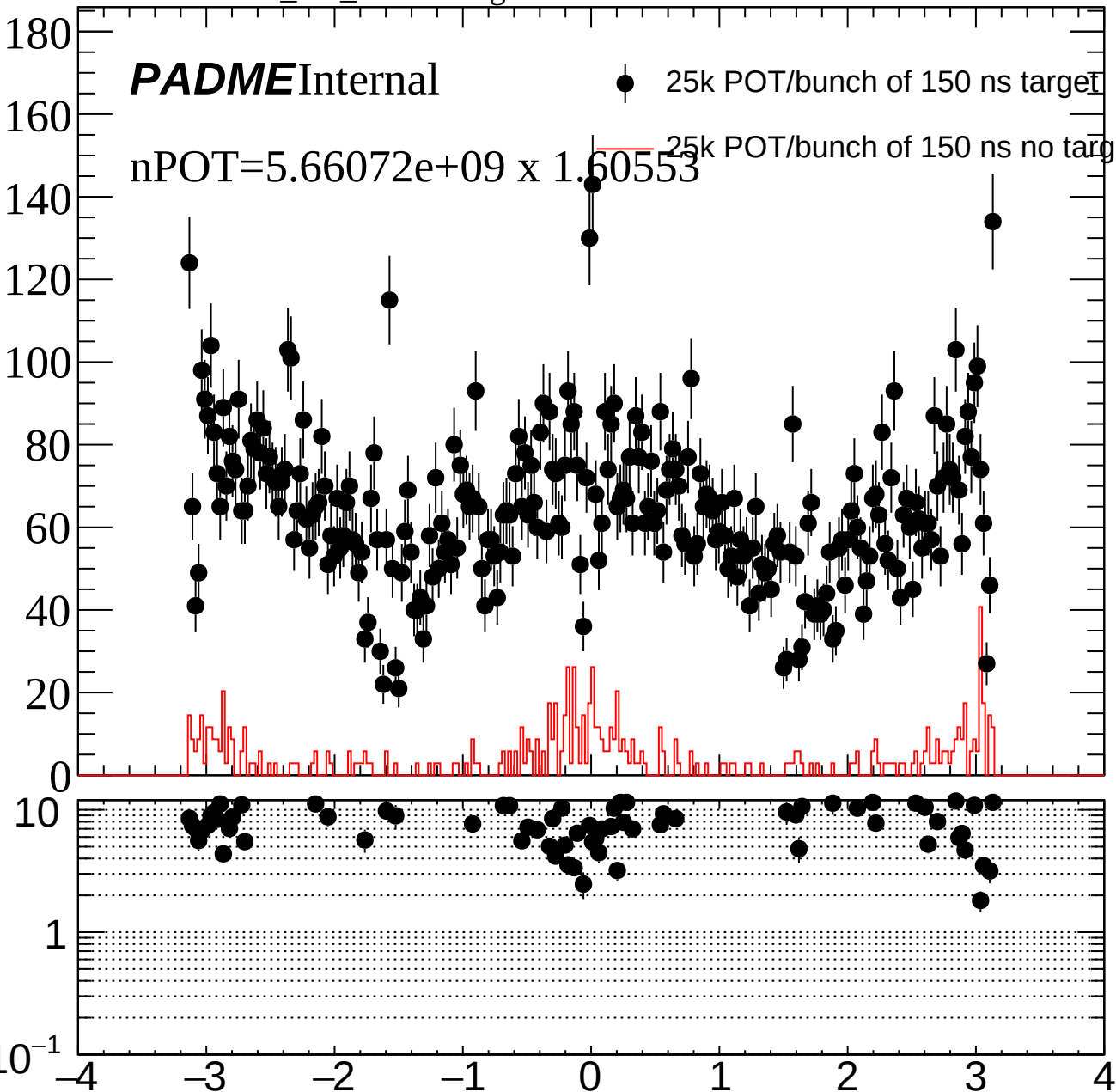
***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target  
— 25k POT/bunch of 150 ns no target

target/no target

$\Phi$



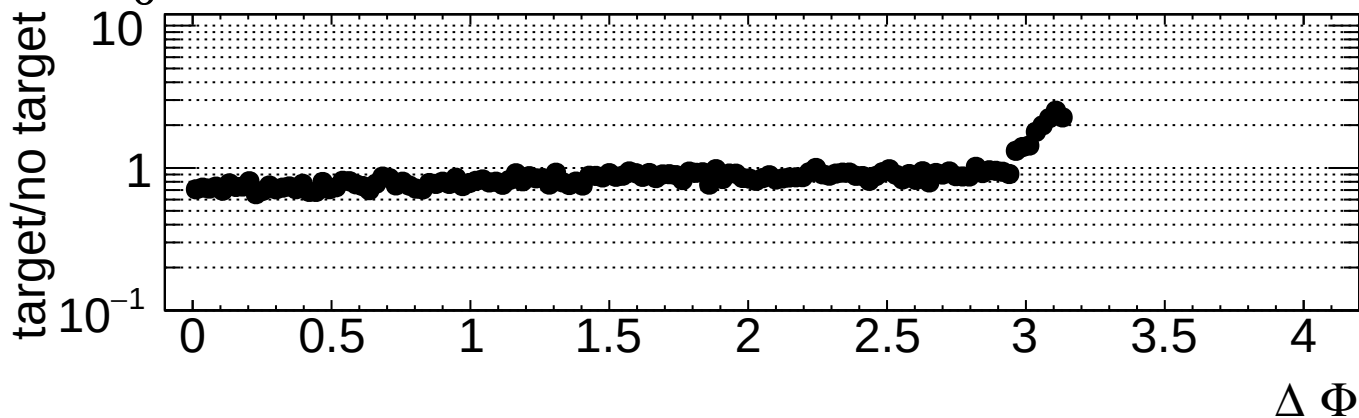
ECAL\_DeltaPhi\_10ns

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target



ECAL\_DeltaPhi\_10nsDeltaTheta

***PADME***Internal

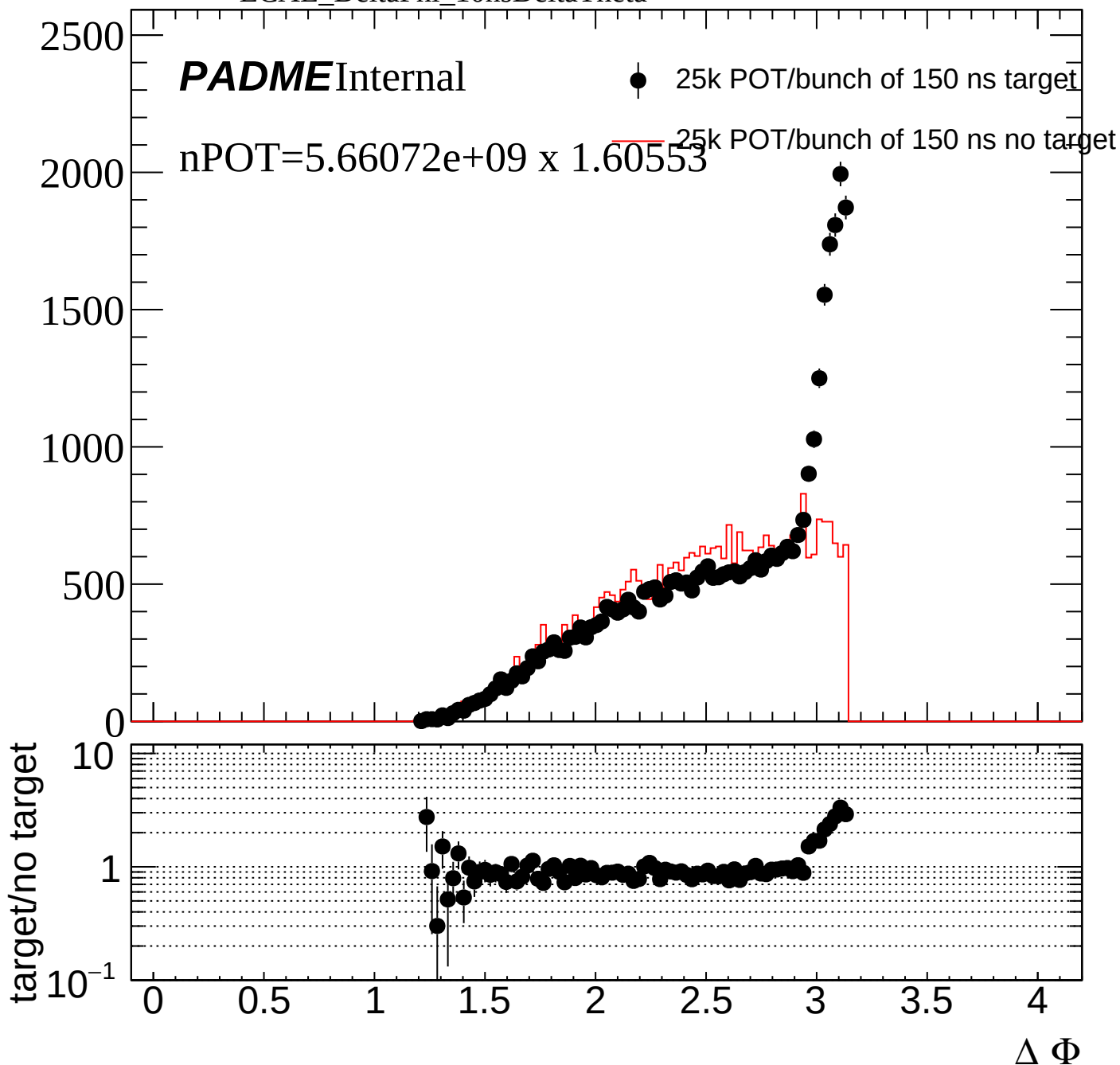
nPOT=5.66072e+09 x 1.60553

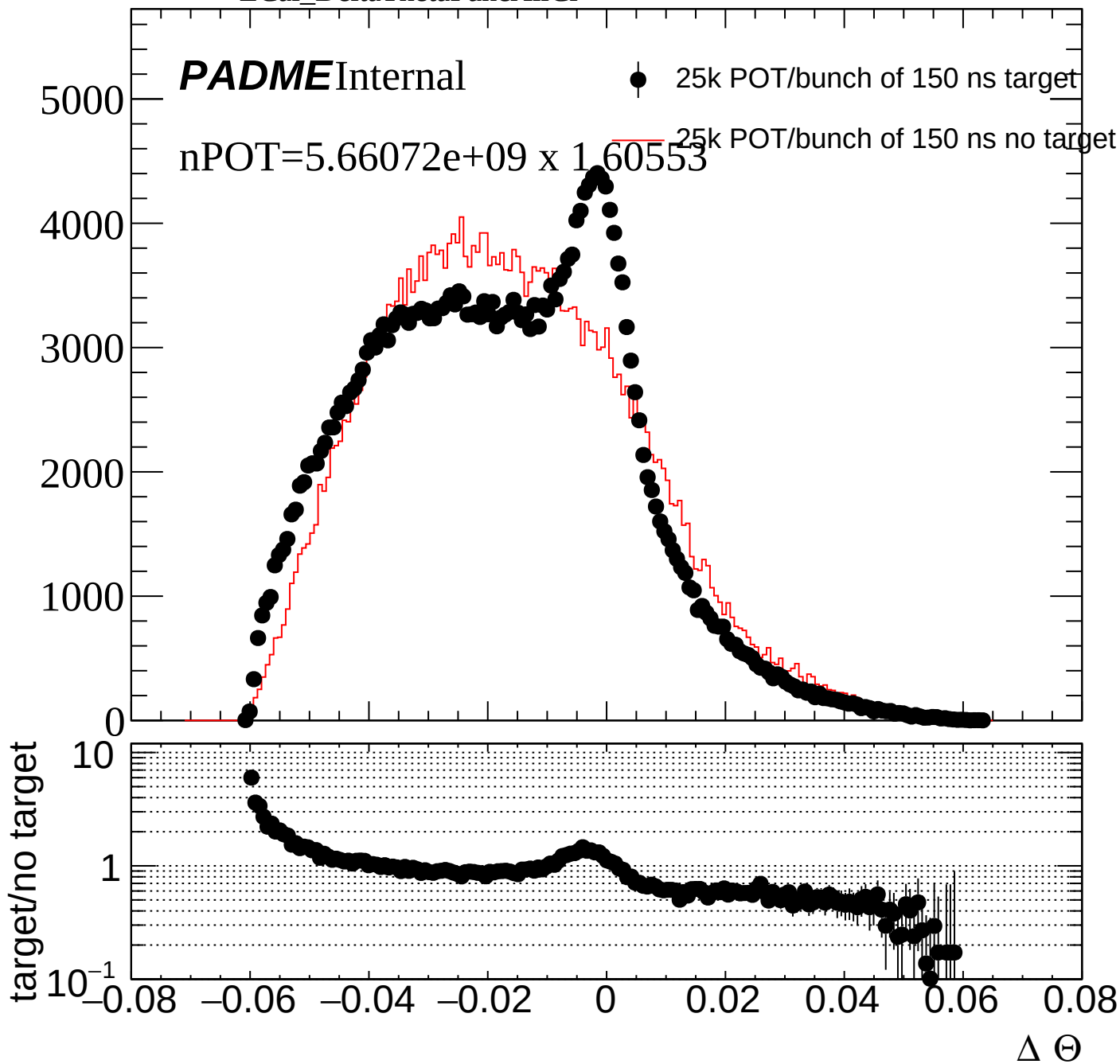
● 25k POT/bunch of 150 ns target

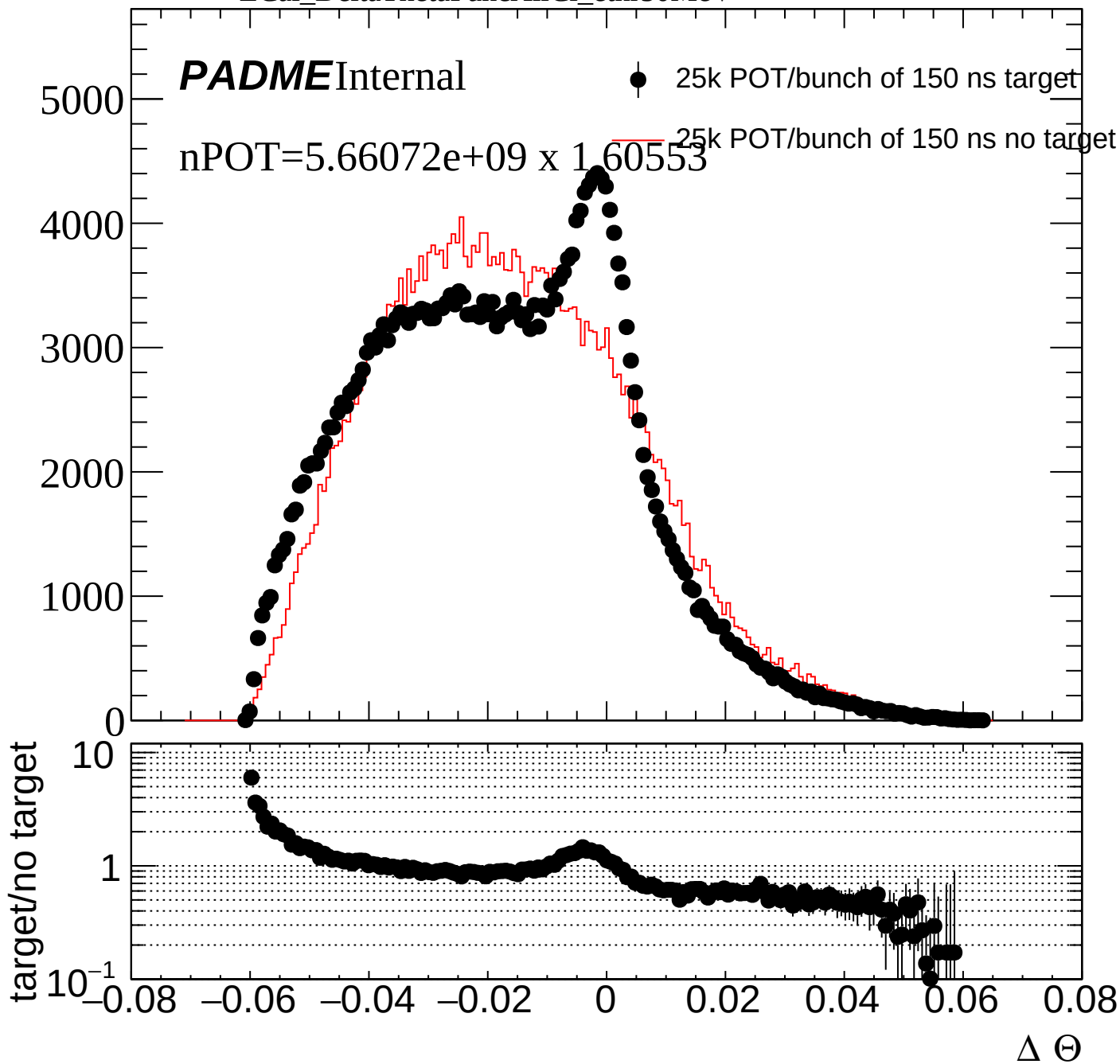
— 25k POT/bunch of 150 ns no target

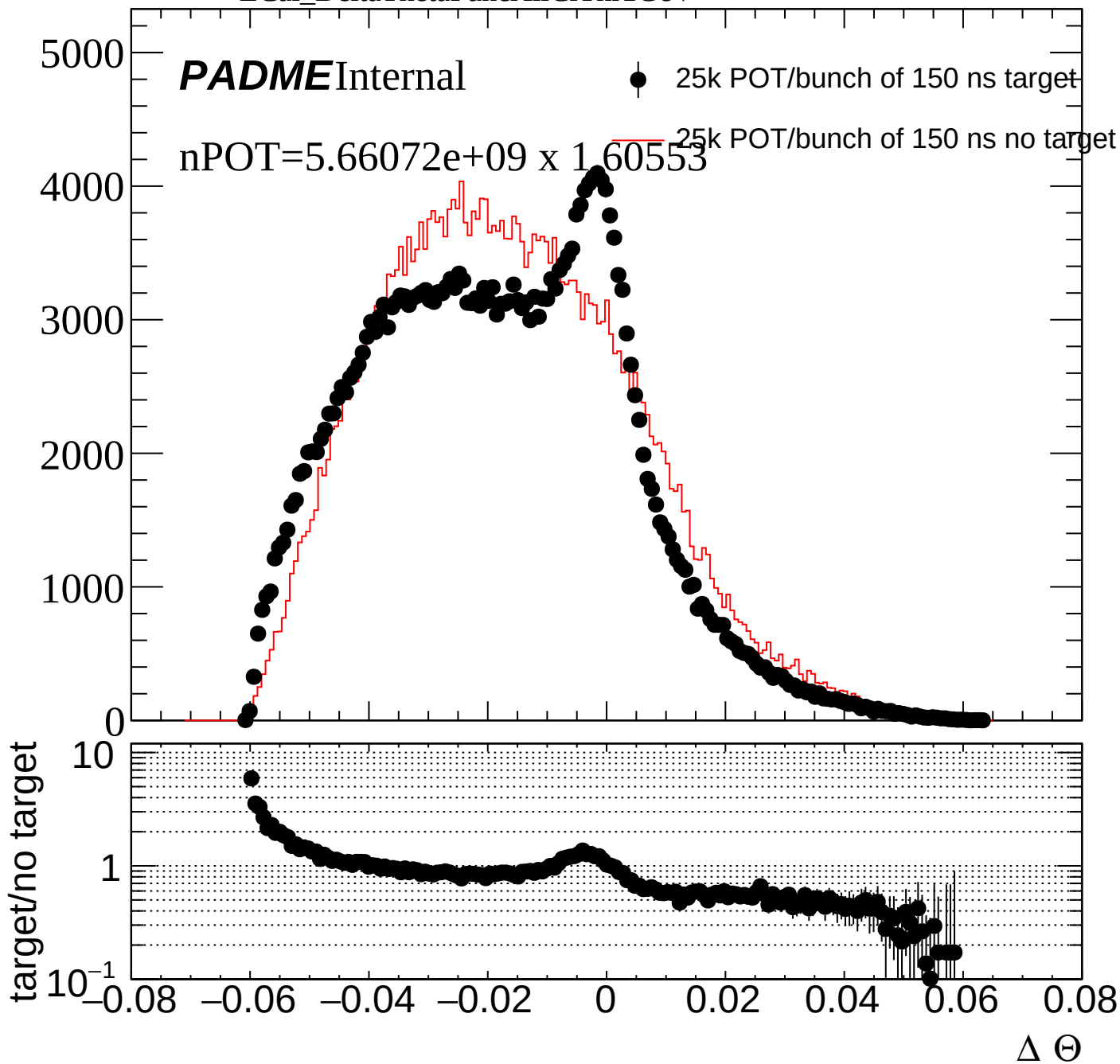
target/no target

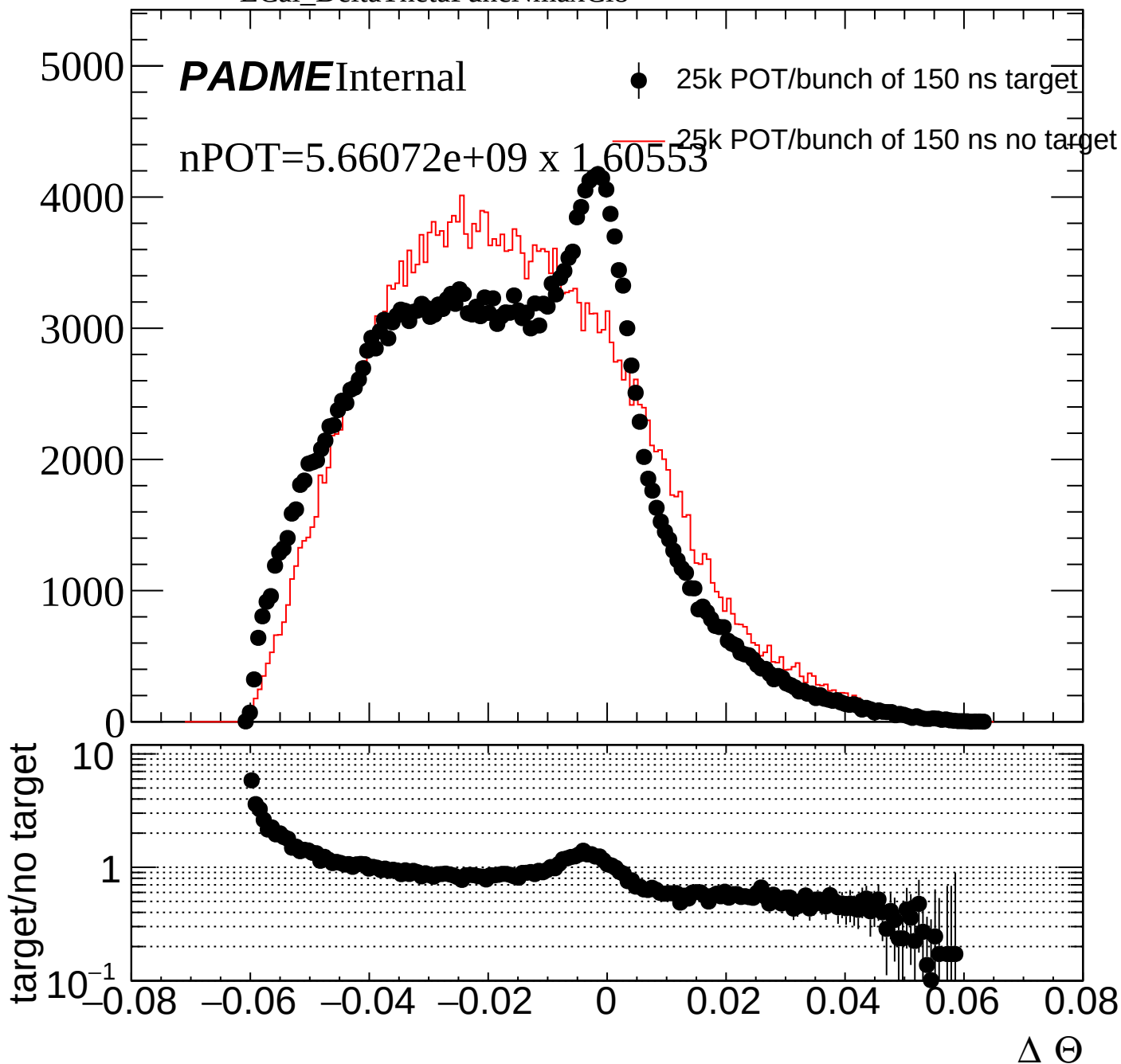
$\Delta \Phi$







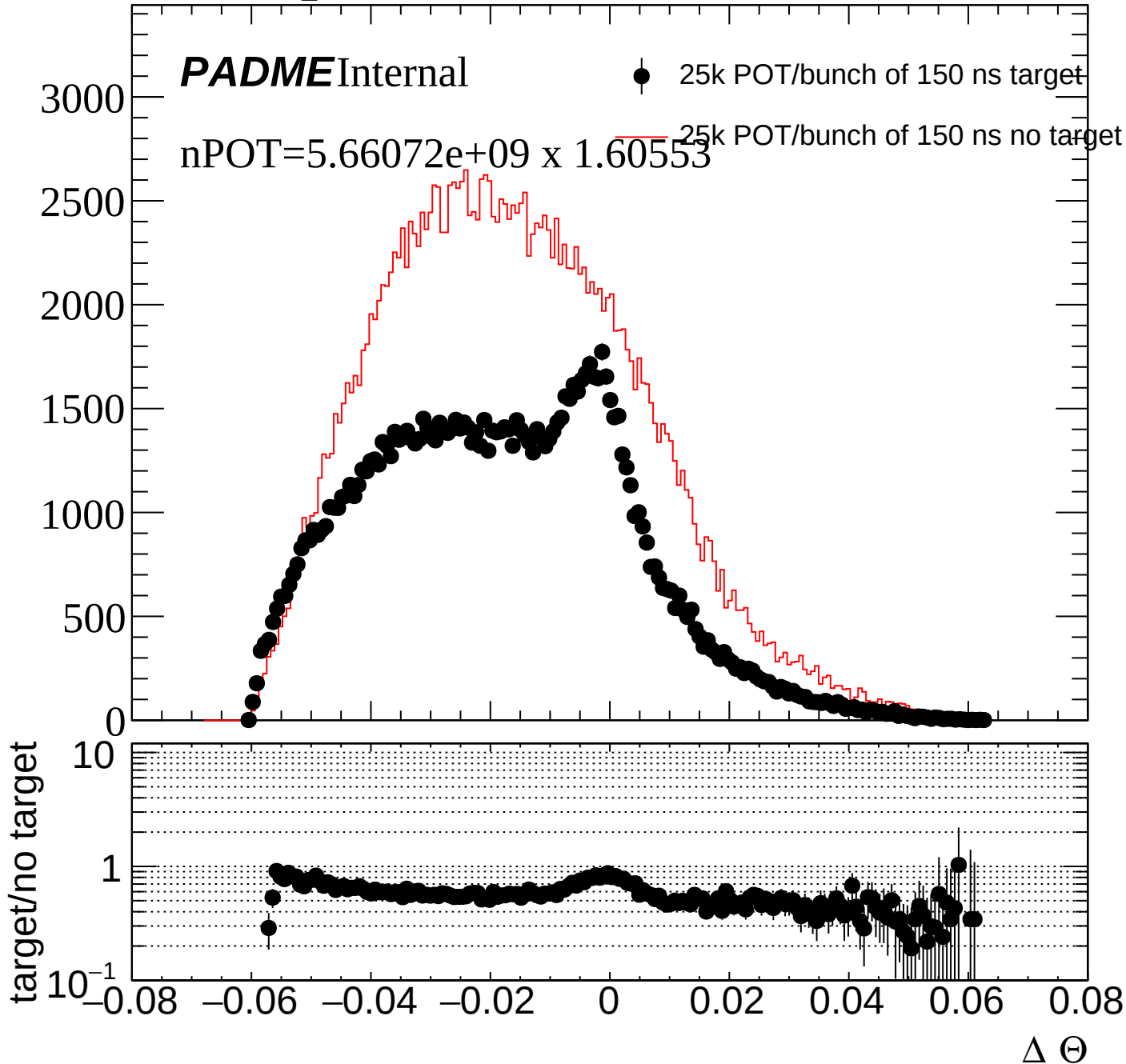




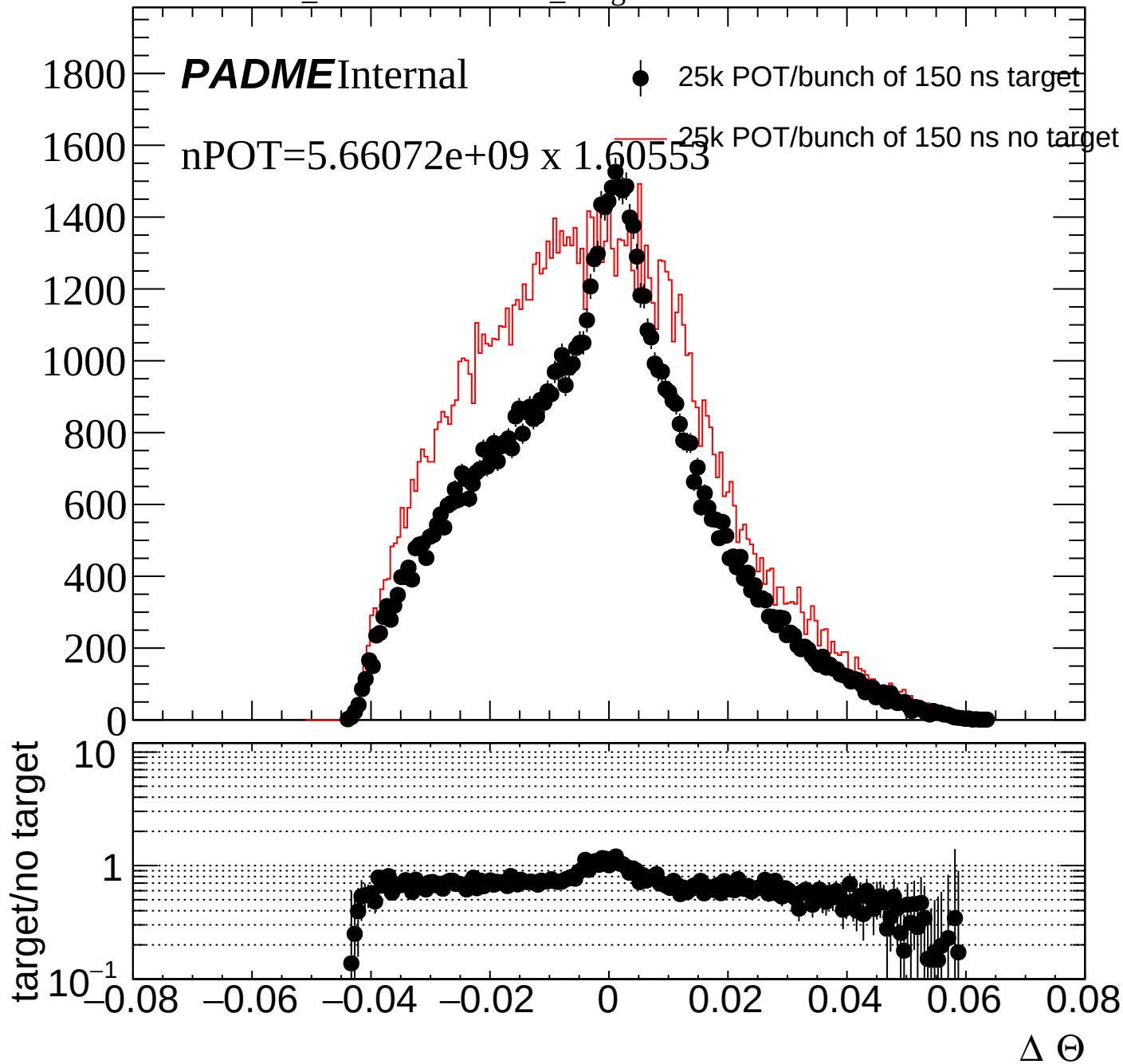
**PADME**Internal

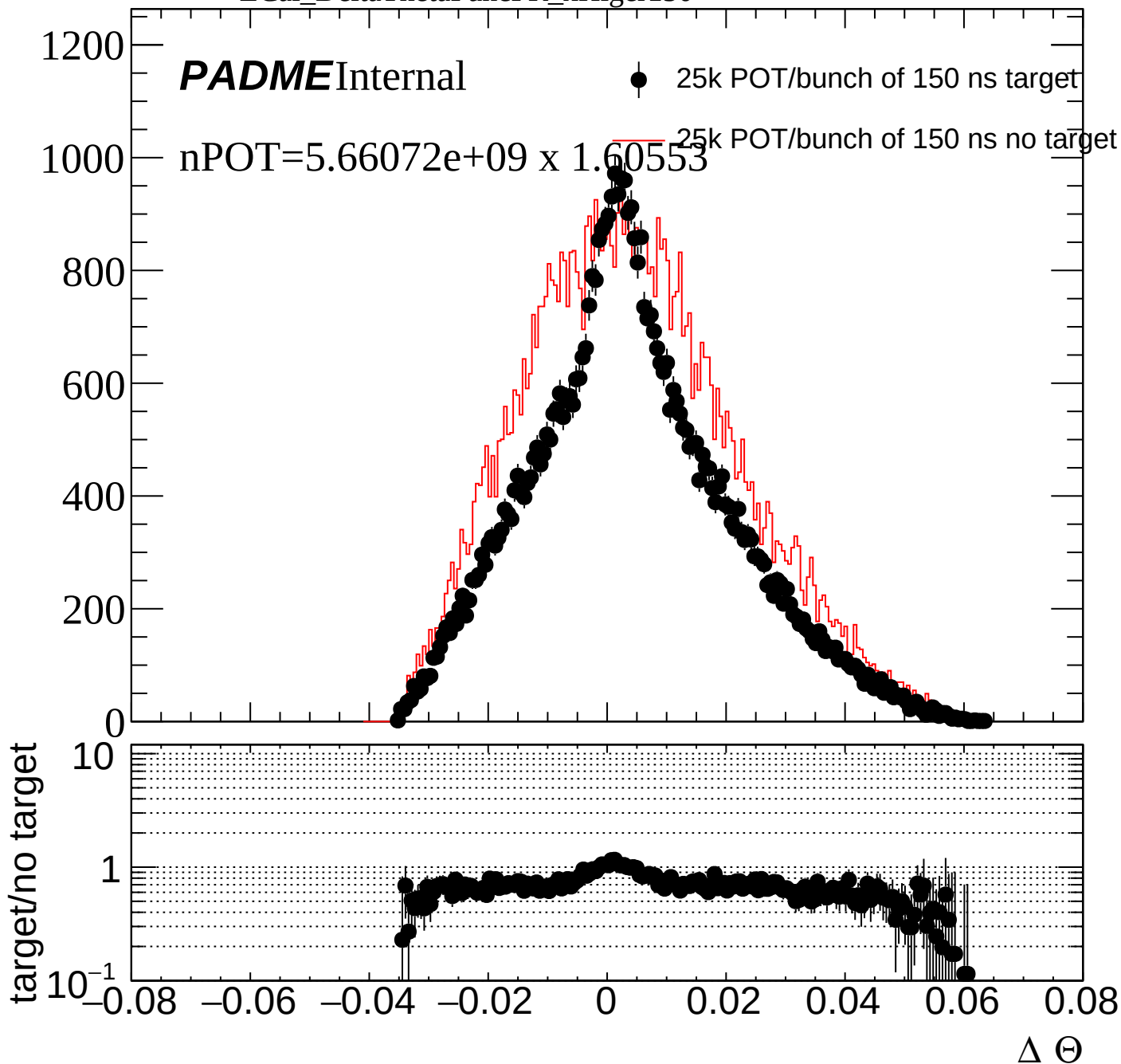
nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target  
— 25k POT/bunch of 150 ns no target







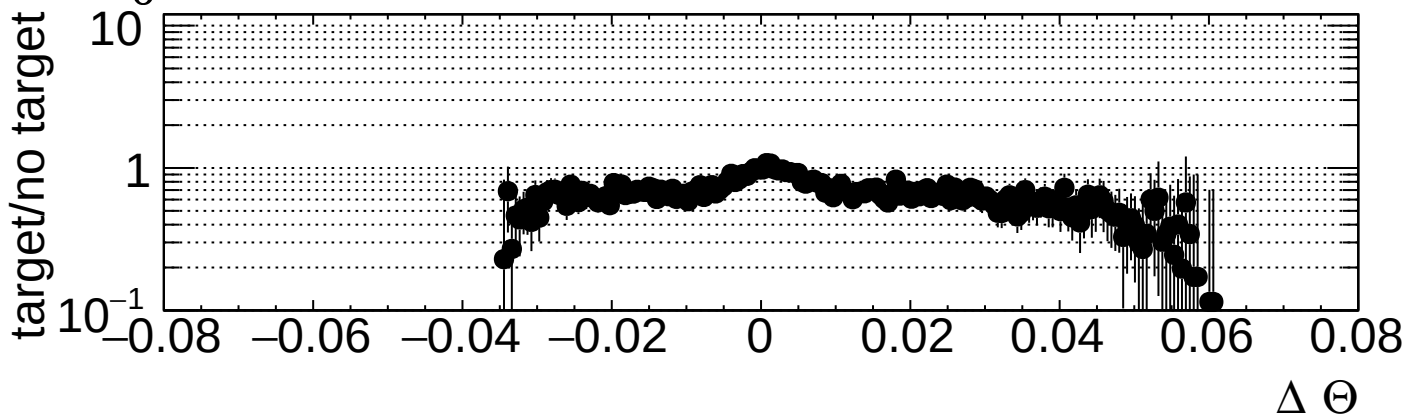


***PADME***Internal

nPOT=5.66072e+09 x 1.60553

● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target

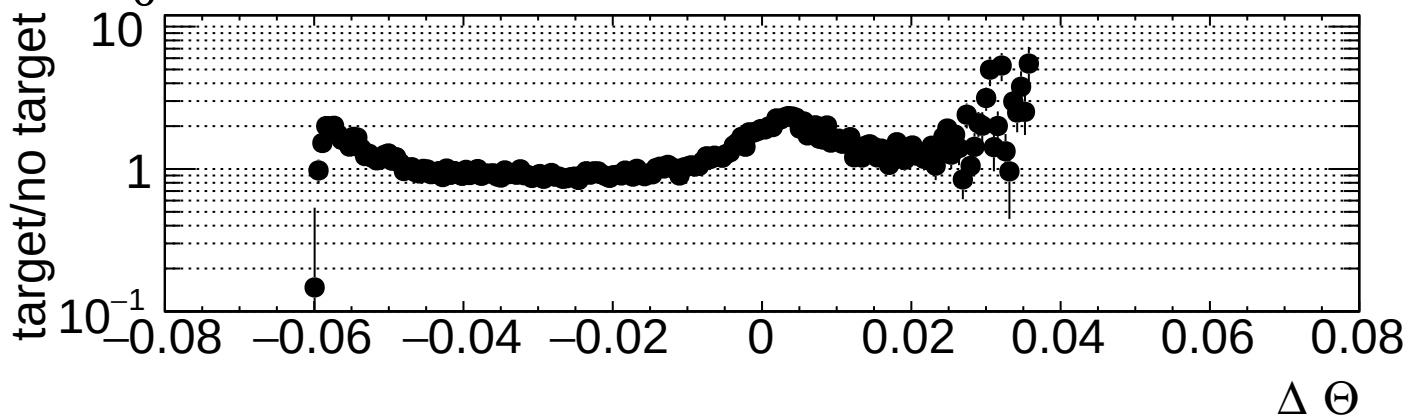


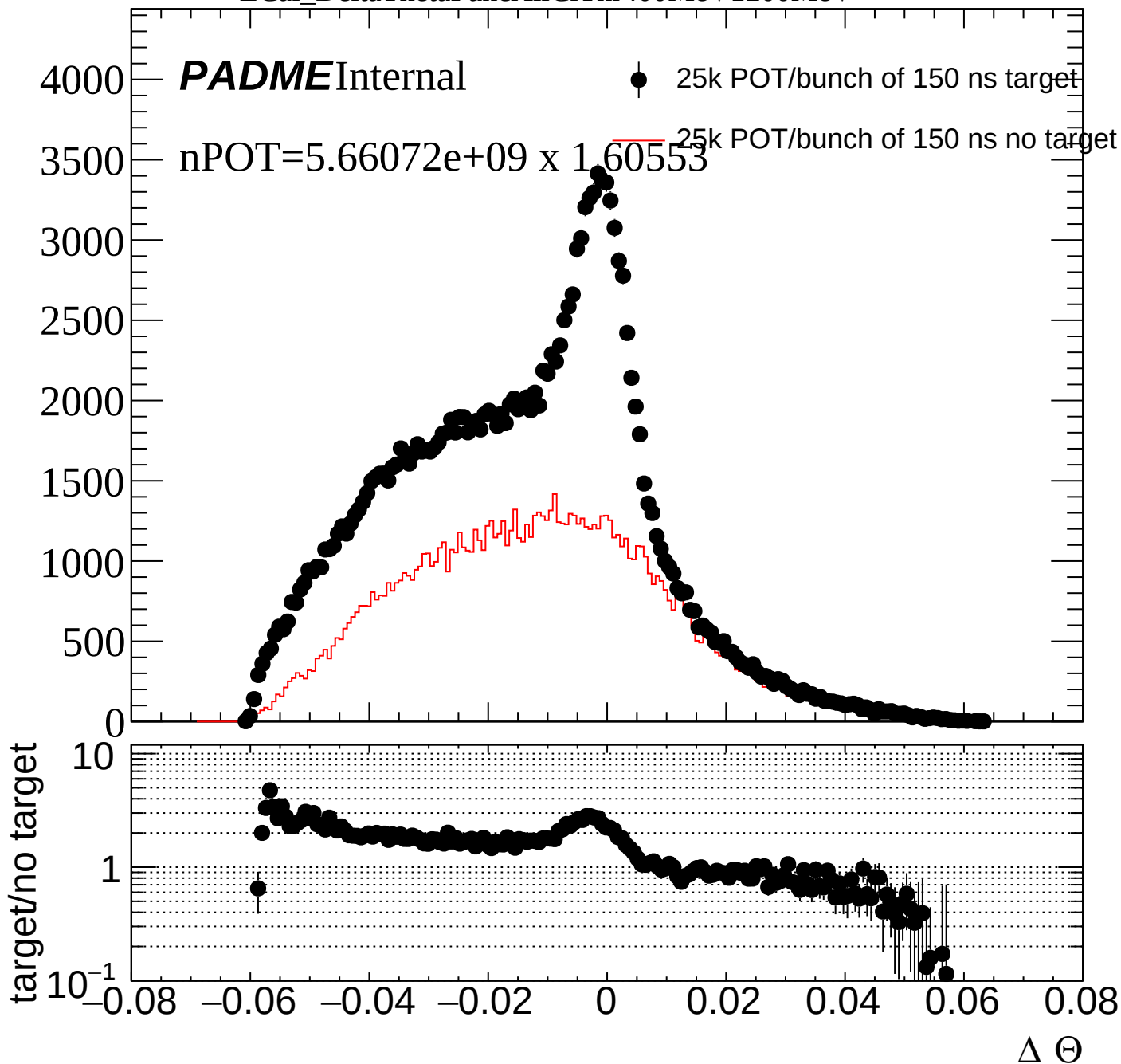
***PADME***Internal

● 25k POT/bunch of 150 ns target

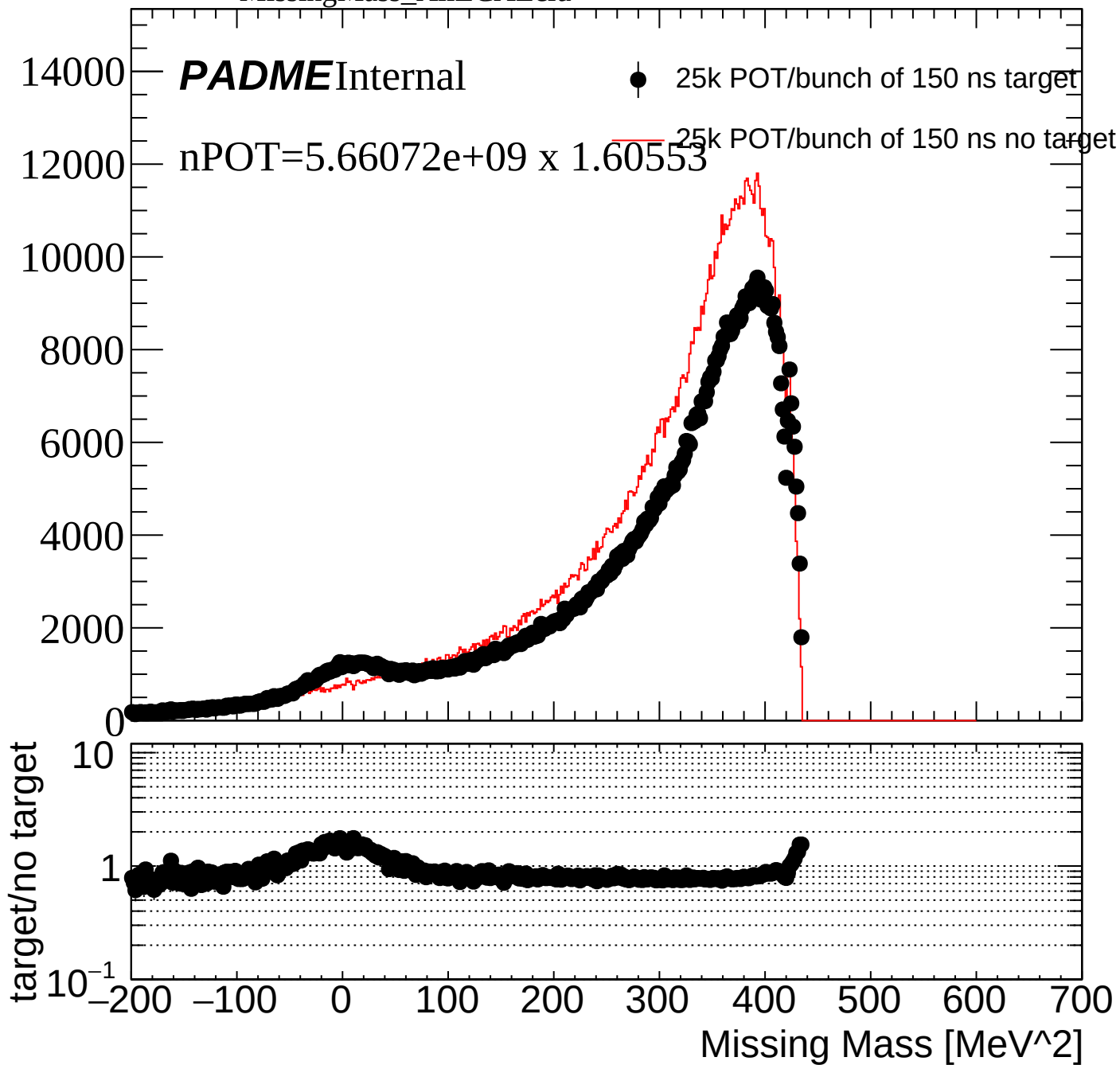
nPOT=5.66072e+09 x 1.60553

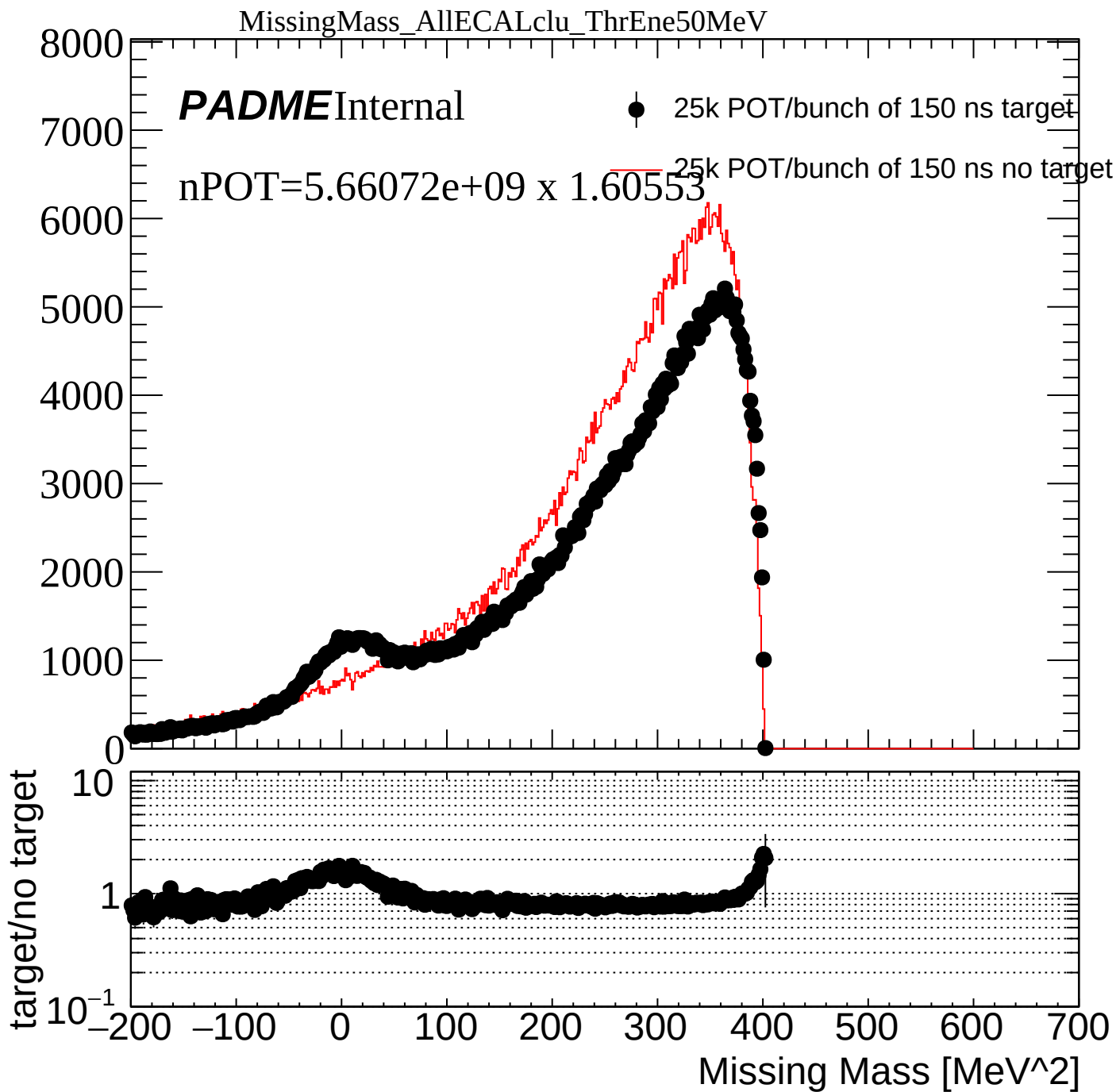
— 25k POT/bunch of 150 ns no target





MissingMass\_AllECALclu





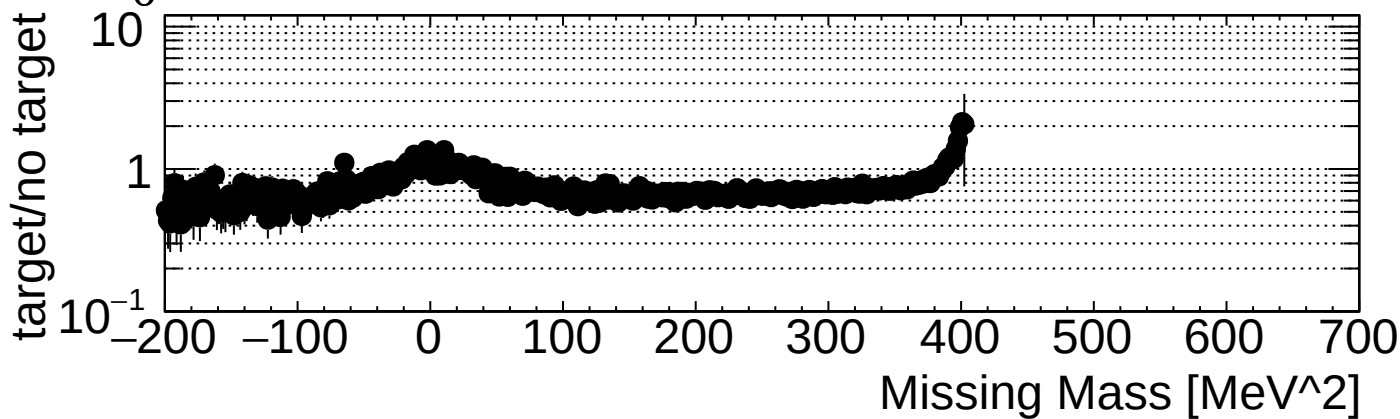
MissingMass\_NoClInTime20ns\_ThrEne50MeV

***PADME***Internal

nPOT=5.66072e+09 x 1.60553

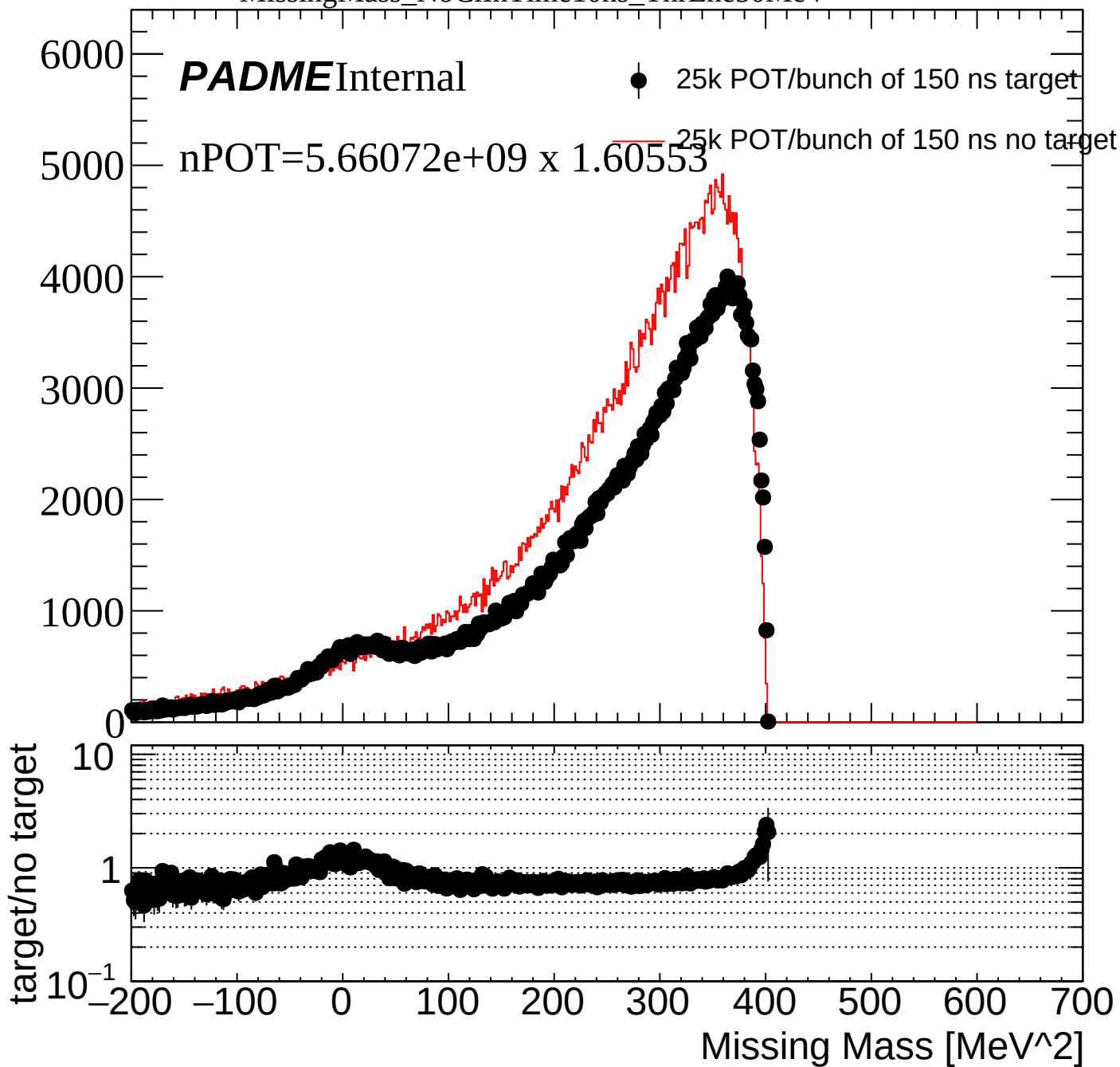
● 25k POT/bunch of 150 ns target

— 25k POT/bunch of 150 ns no target





MissingMass\_NoClInTime10ns\_ThrEne50MeV



MissingMass\_NoClInTime20ns\_ThrEne50MeV\_NoCoincidencePVeto

