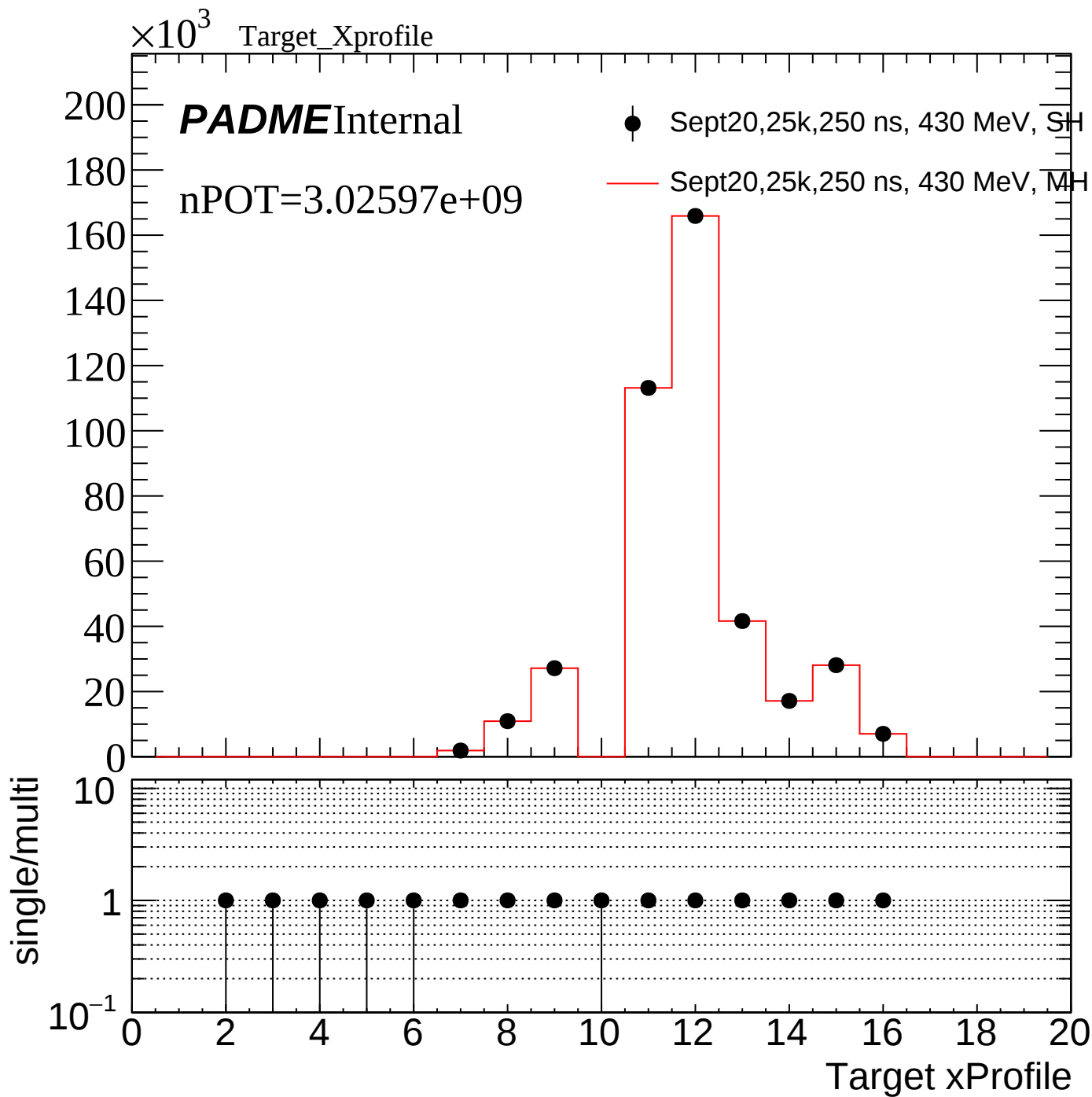




Target_Yprofile

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

Target yProfile

50000

40000

30000

20000

10000

0

10

1

10⁻¹

0

2

4

6

8

10

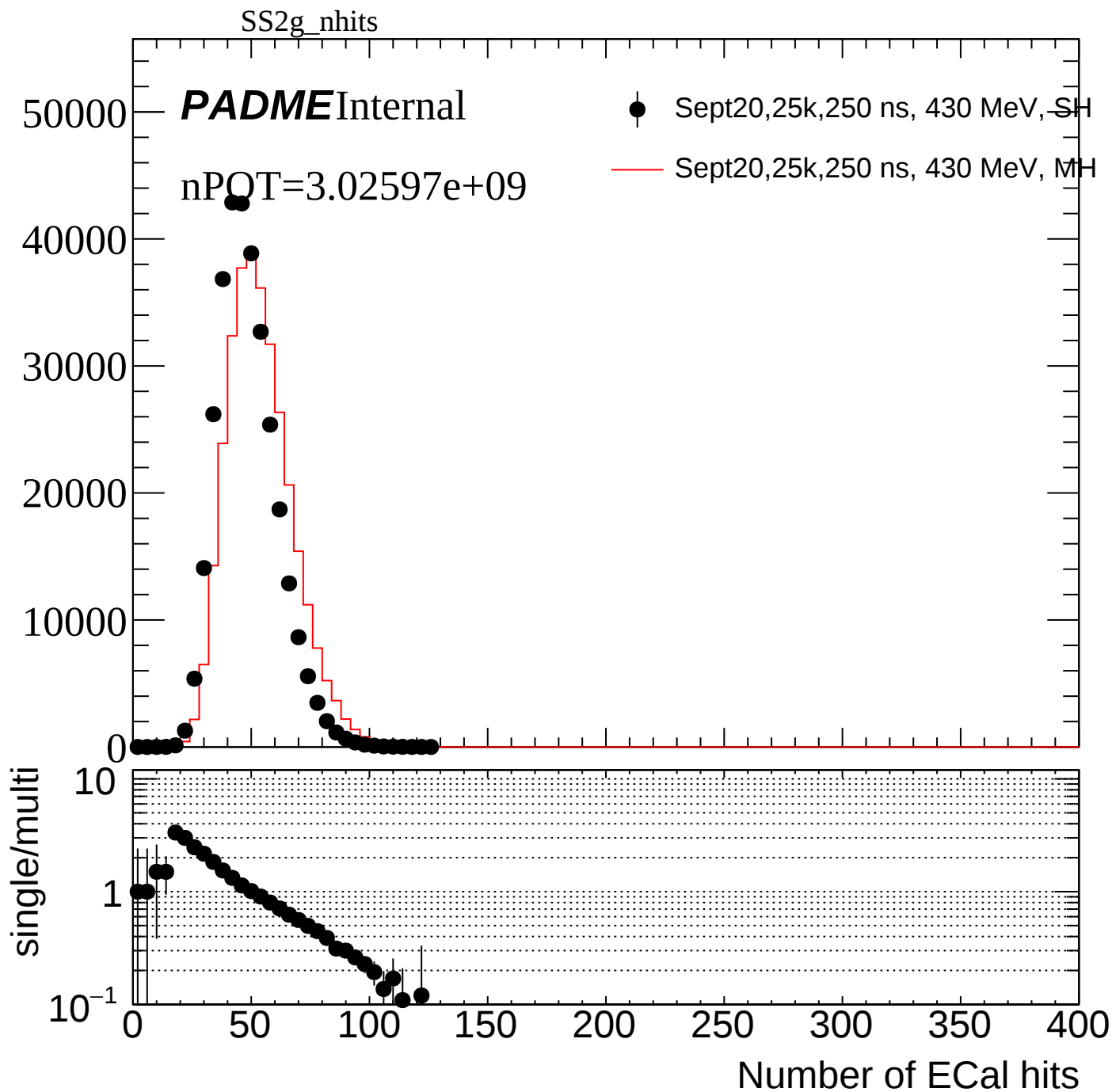
12

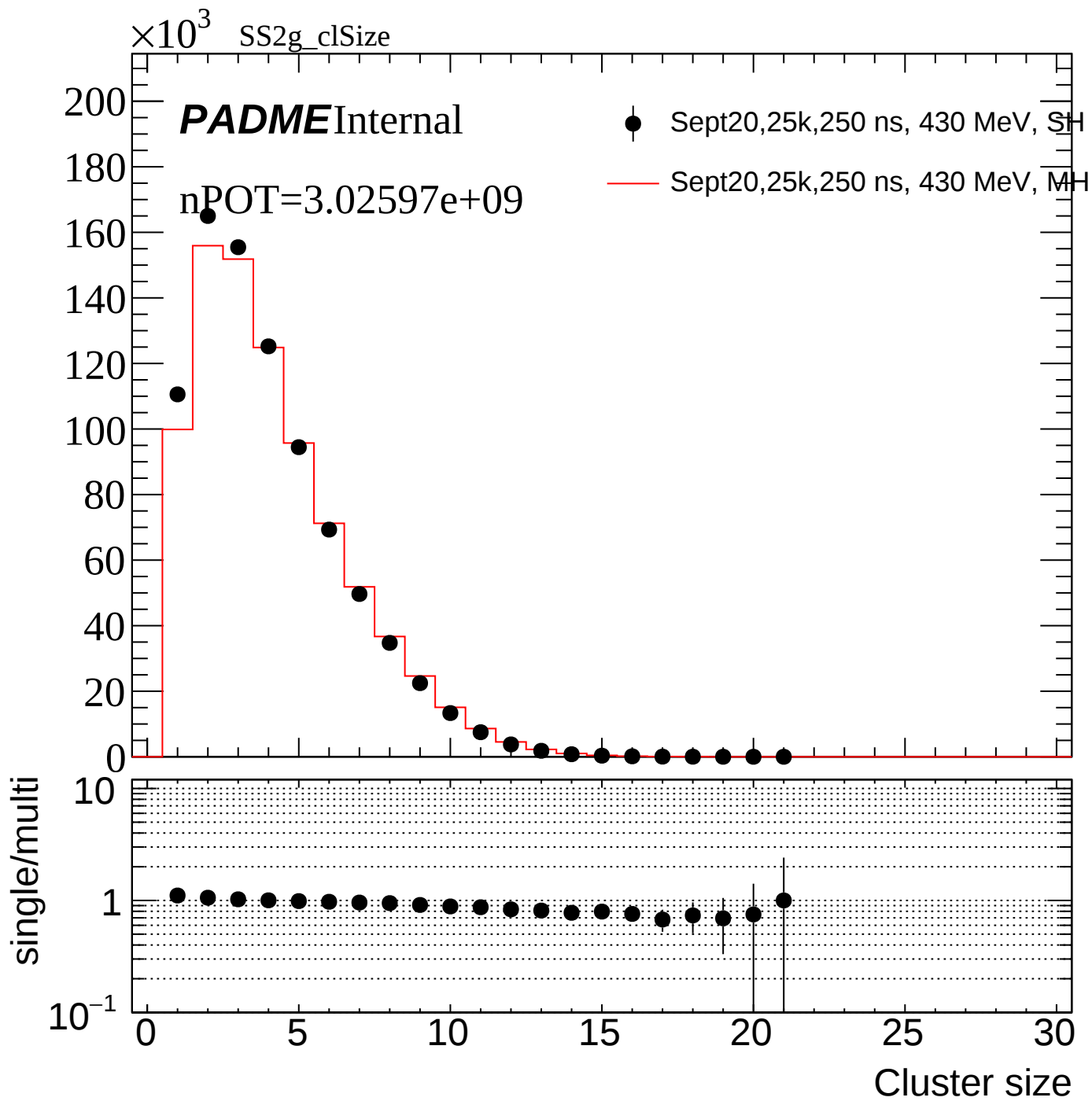
14

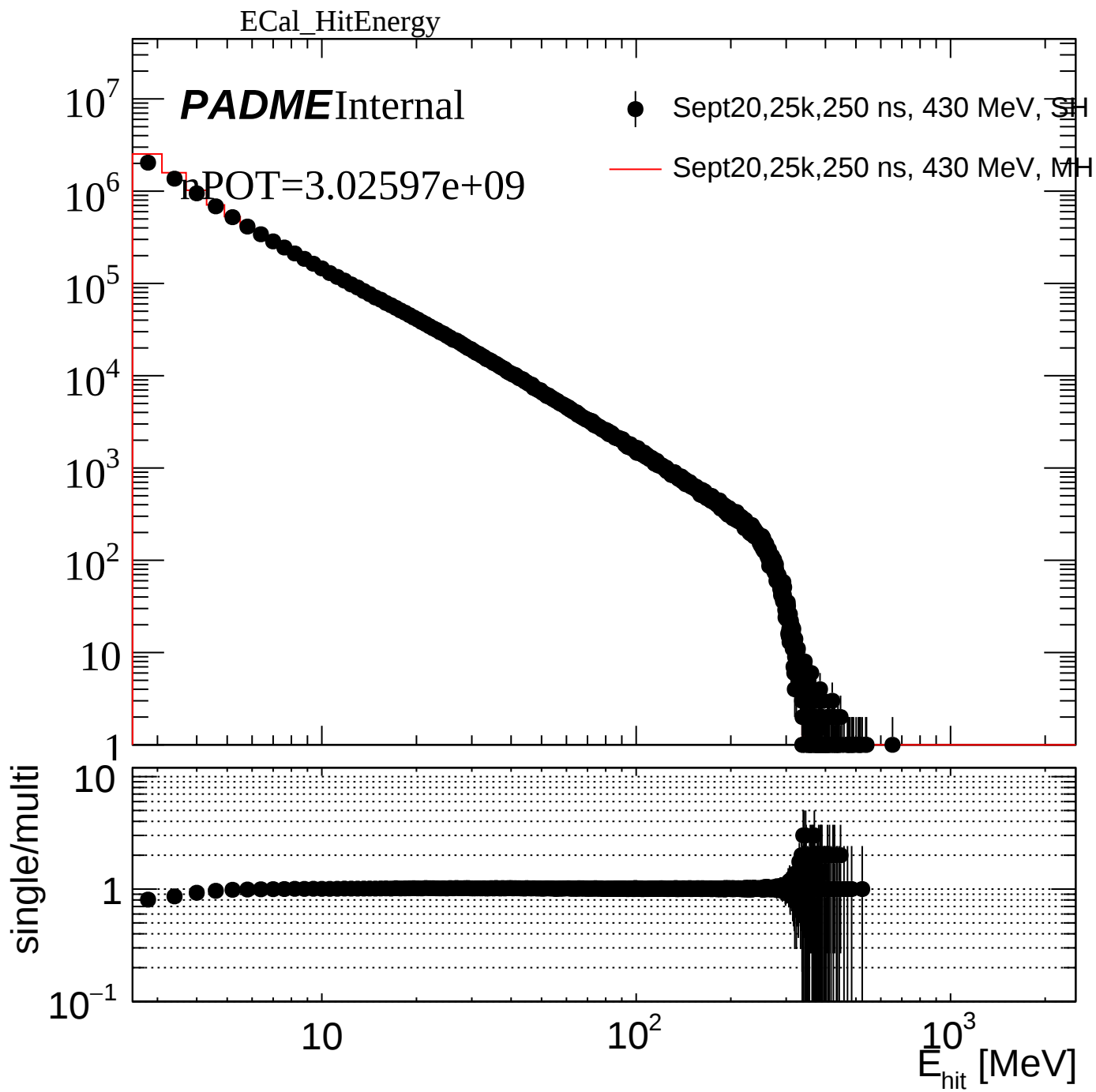
16

18

20







ECal_ClusterEnergy

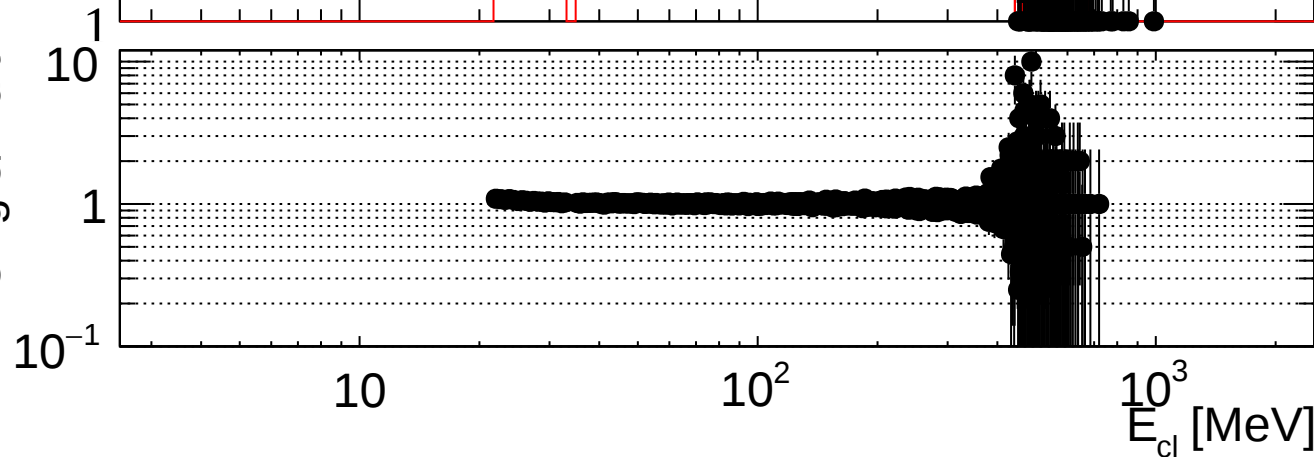
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



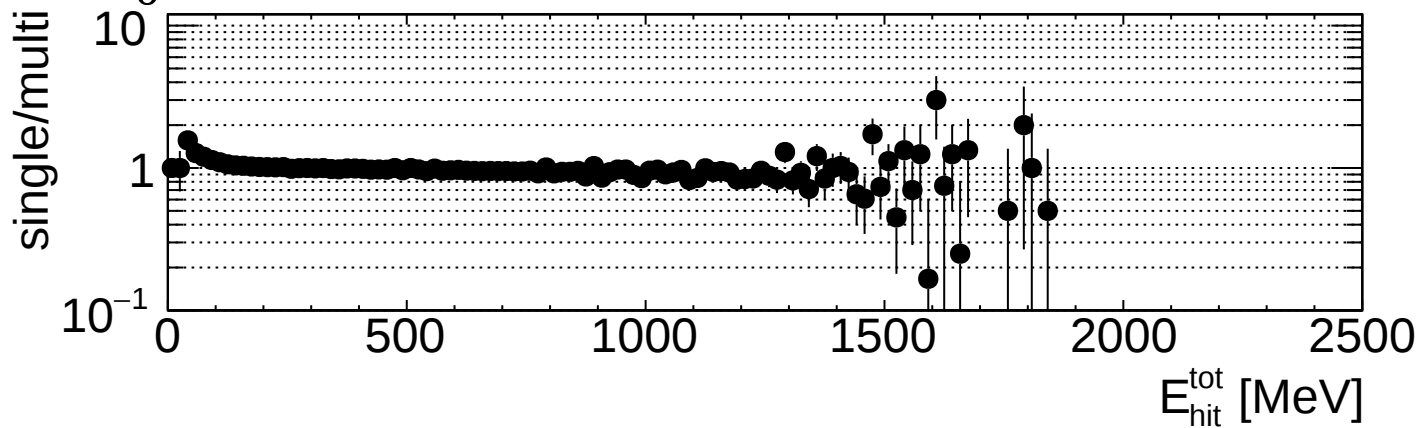
ECal_EHitTot

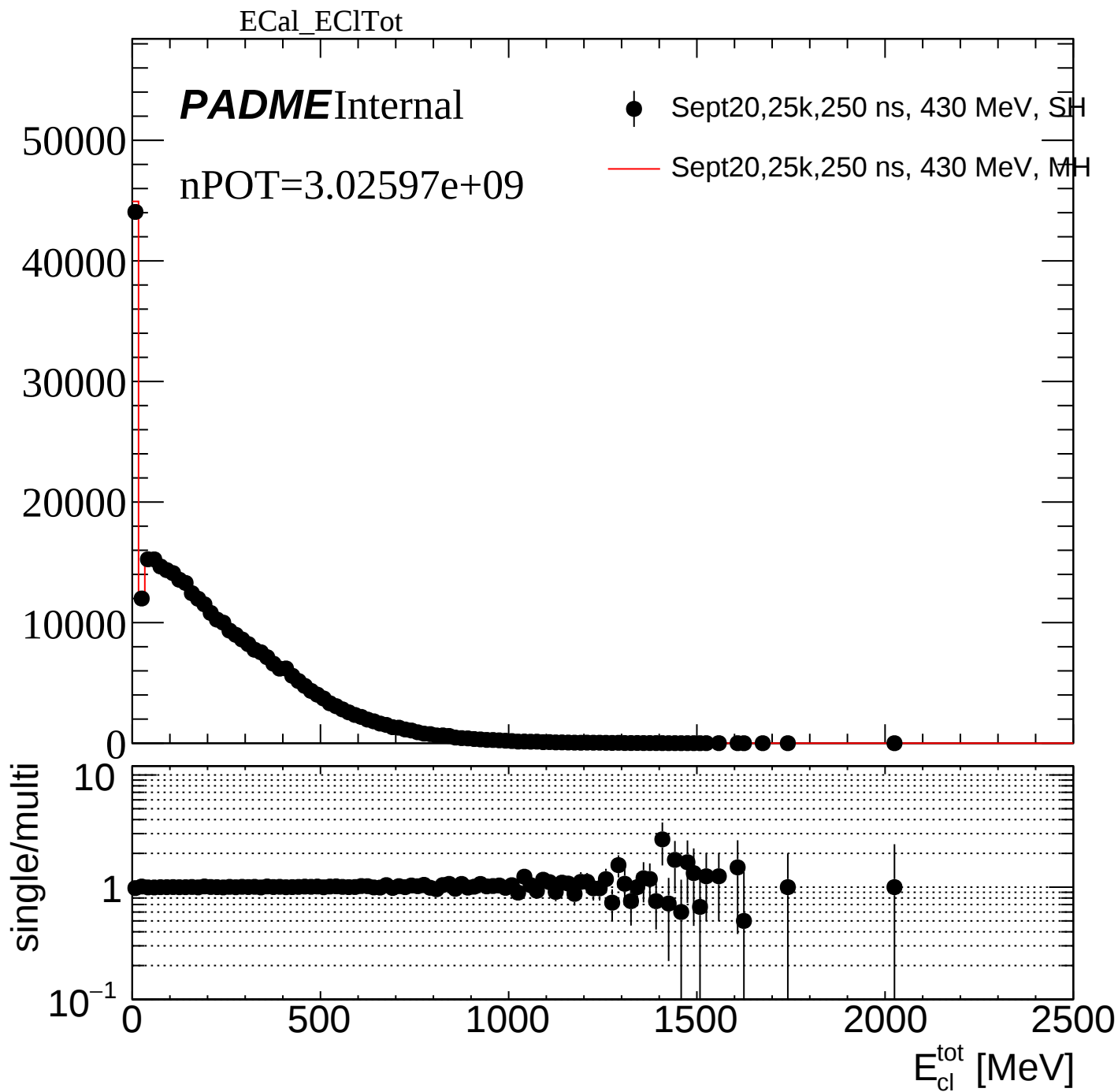
PADMEInternal

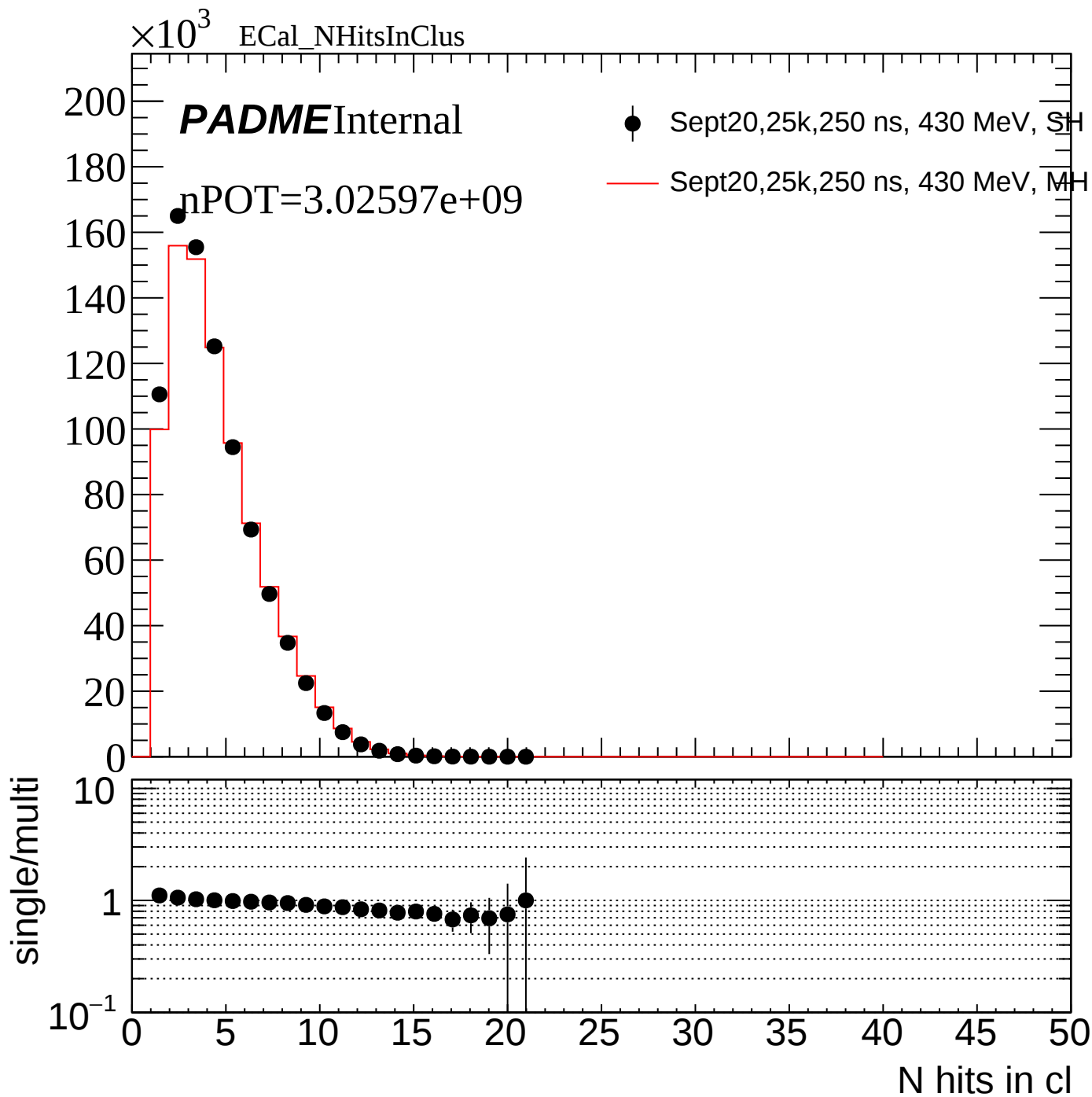
nPOT=3.02597e+09

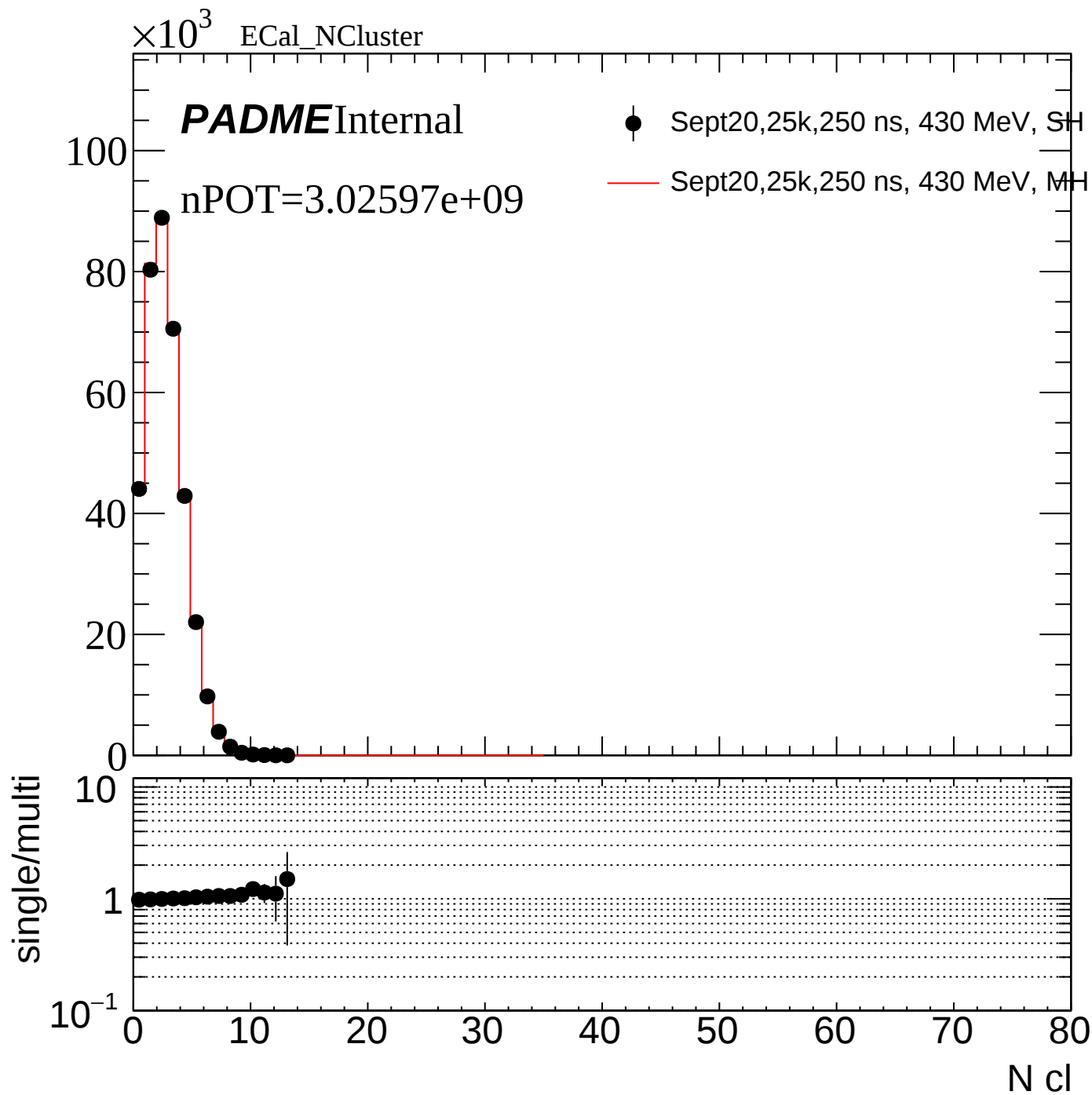
● Sept20,25k,250 ns, 430 MeV, SH

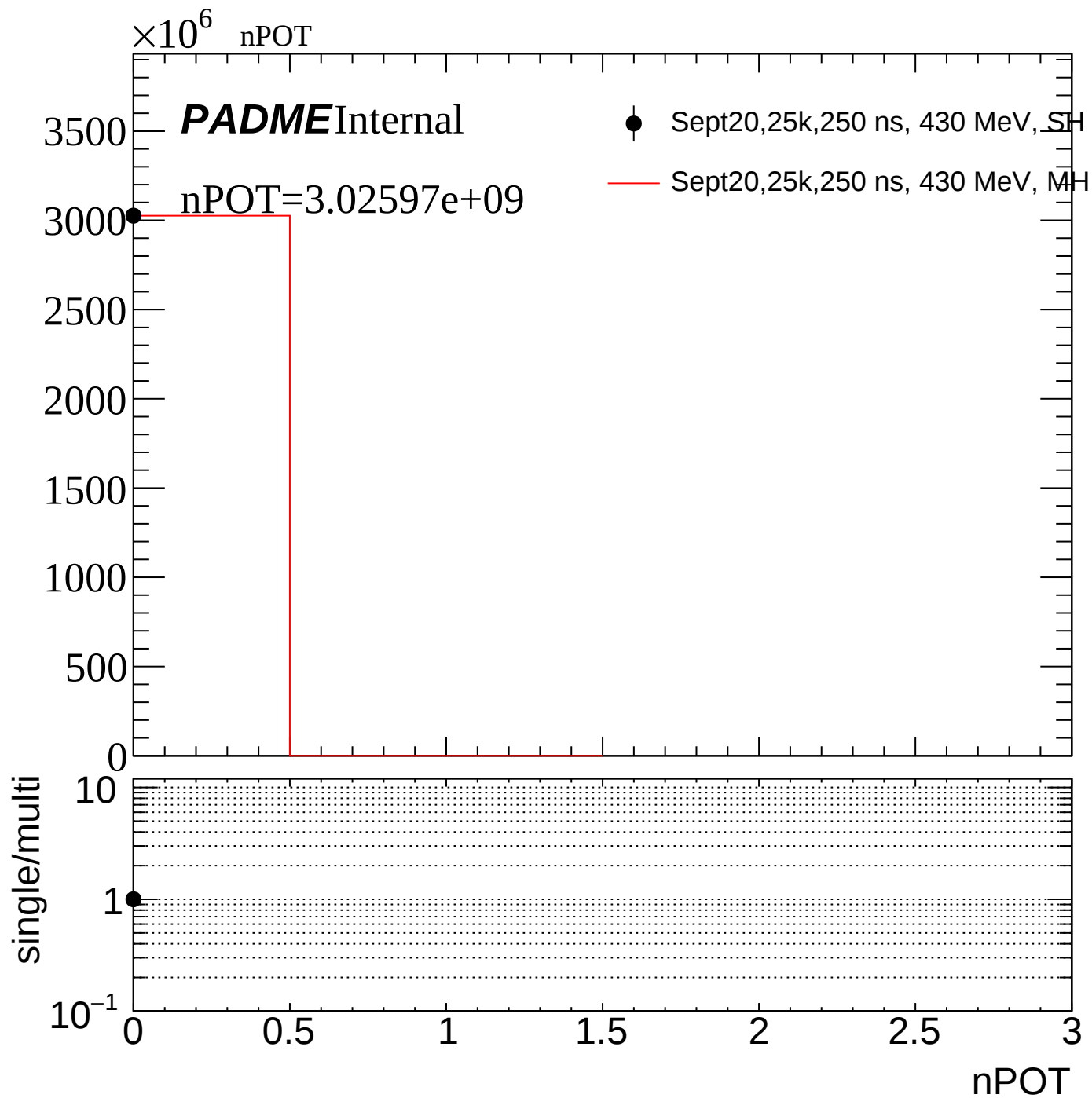
— Sept20,25k,250 ns, 430 MeV, MH

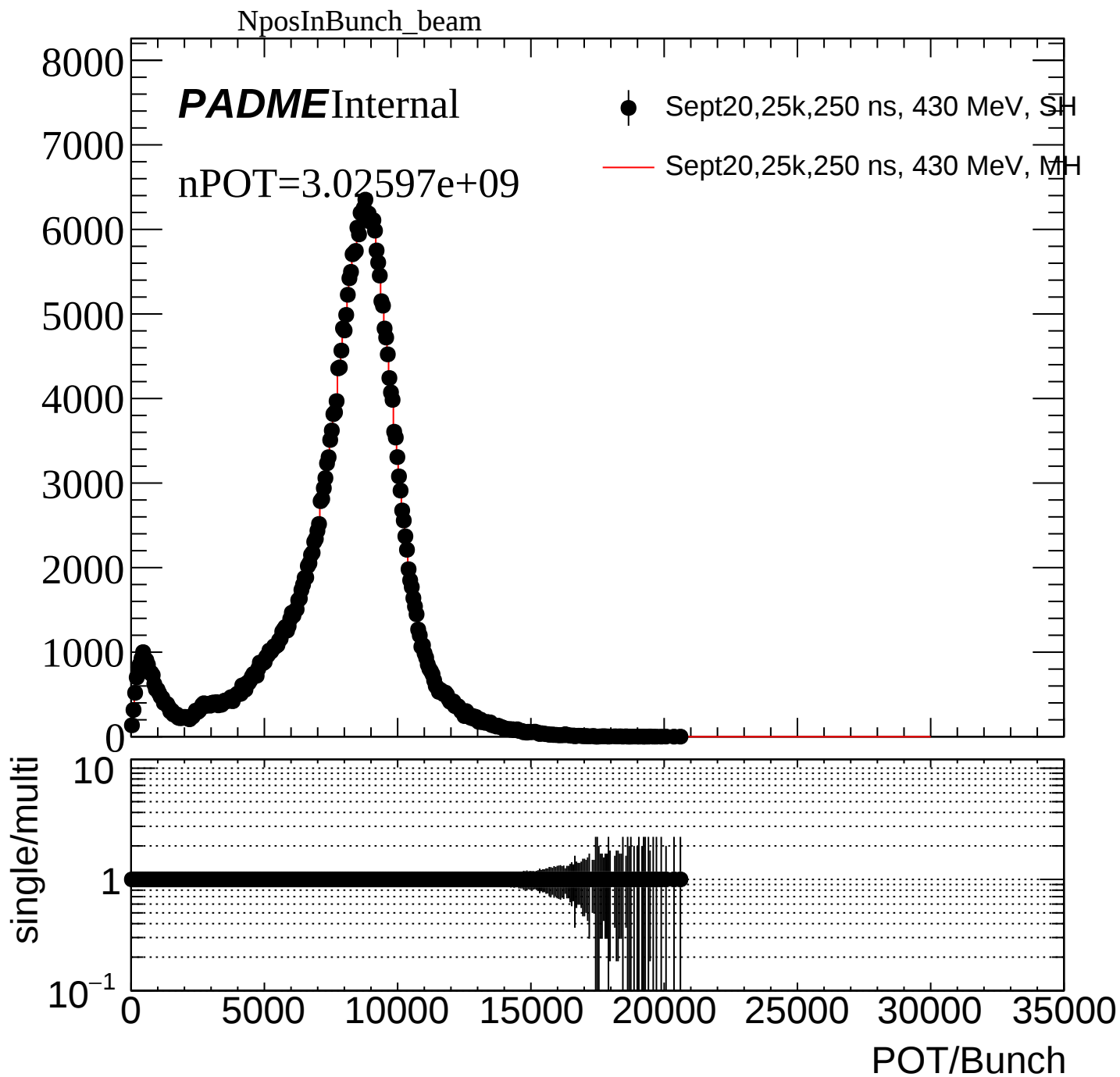


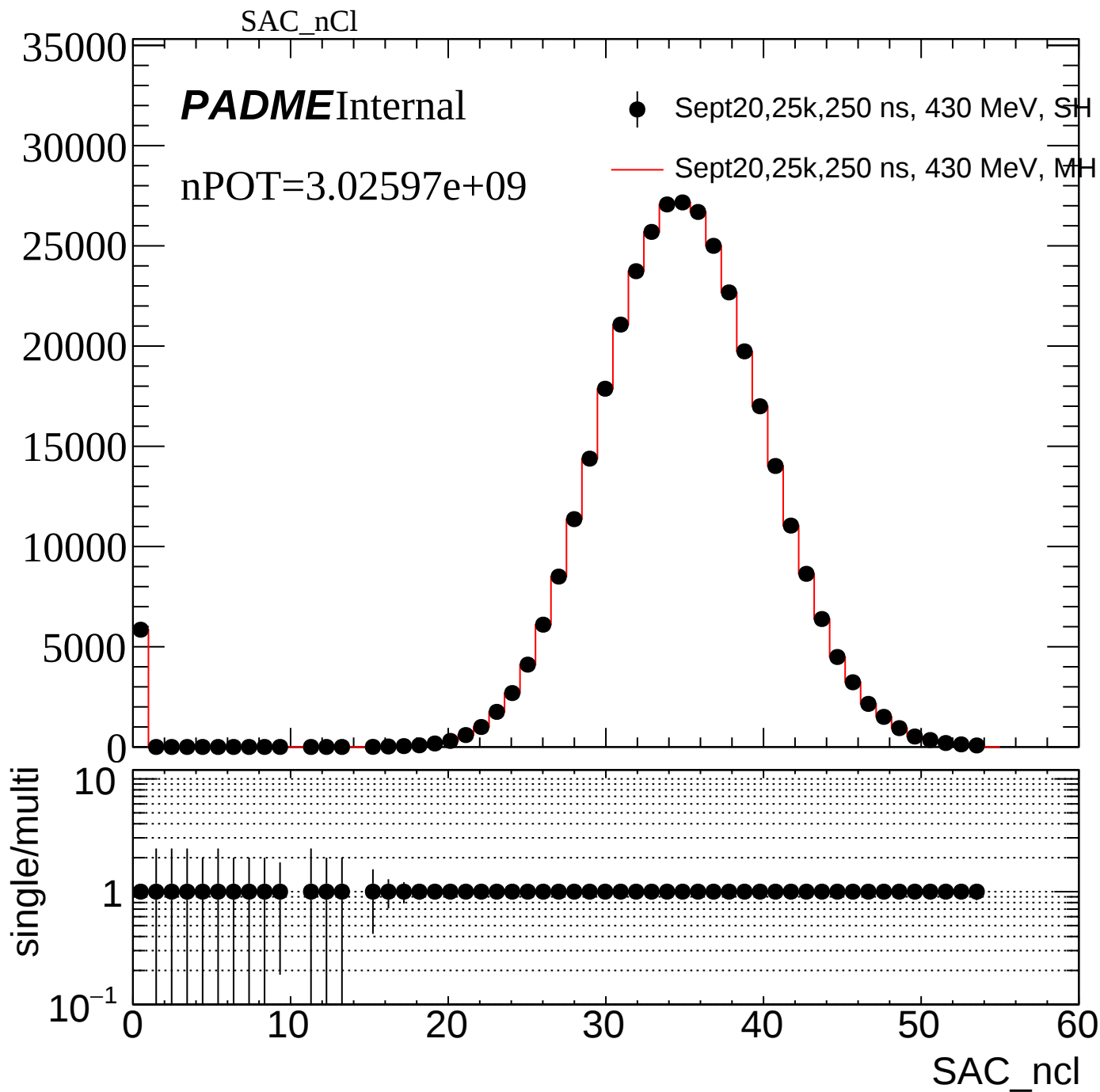




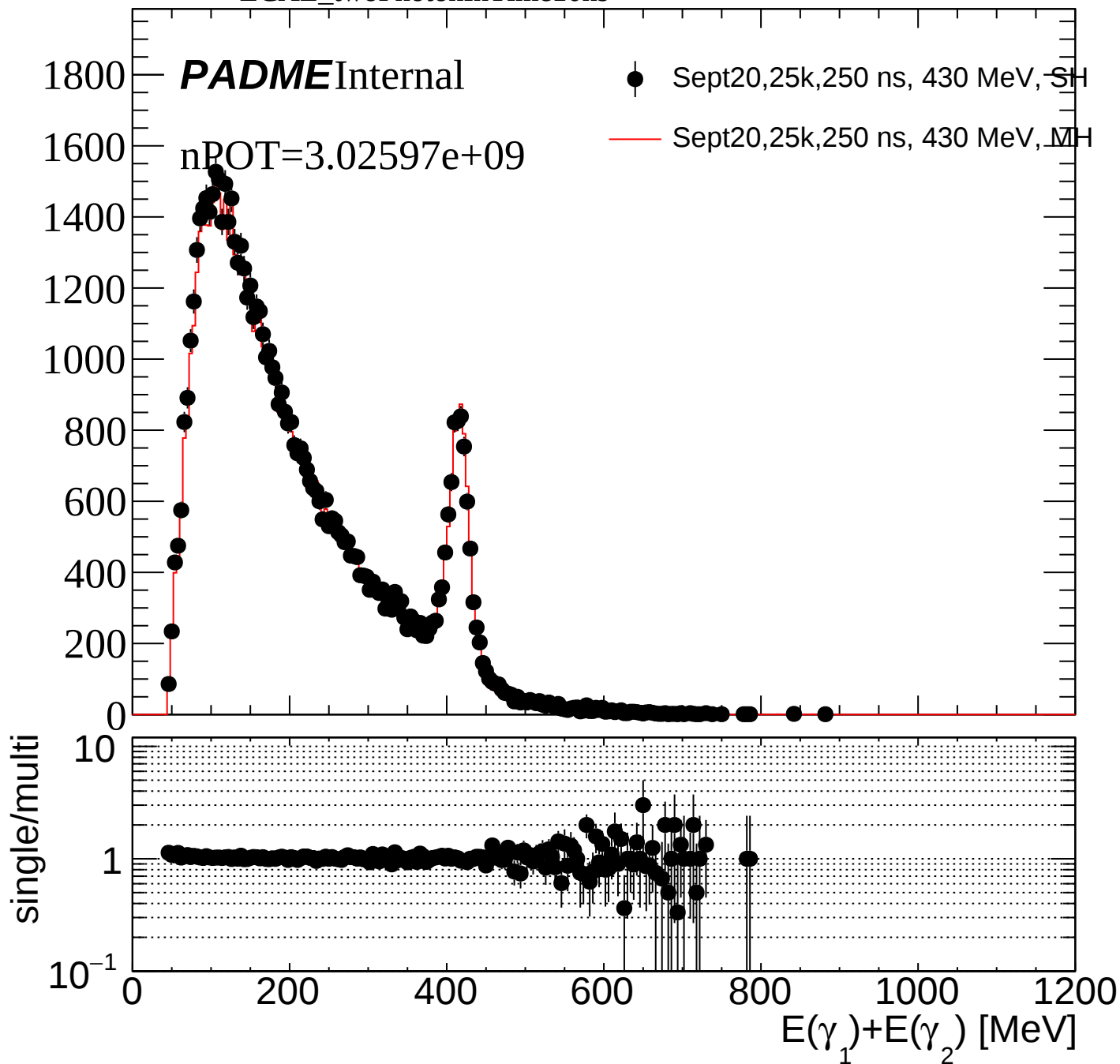


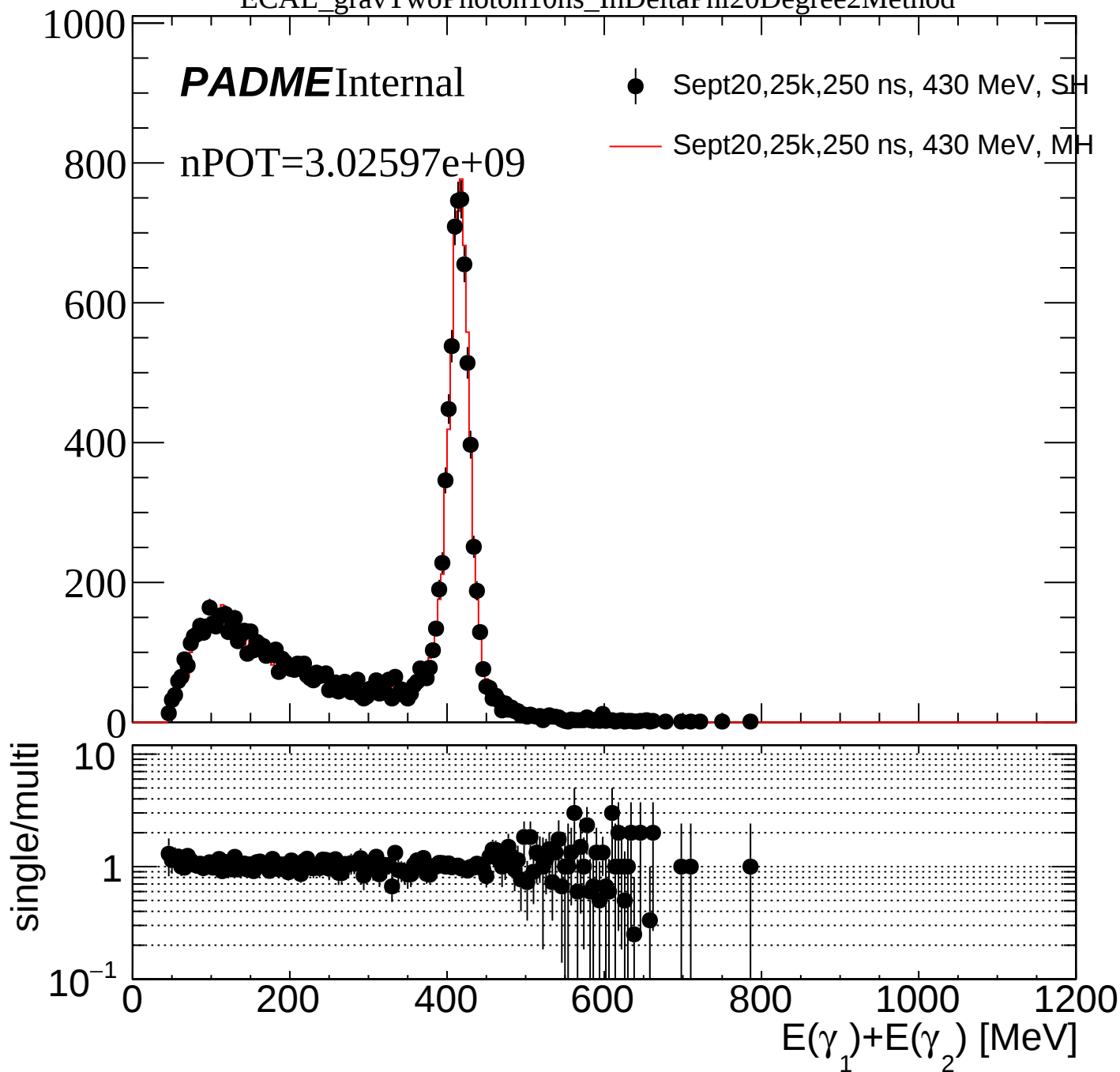


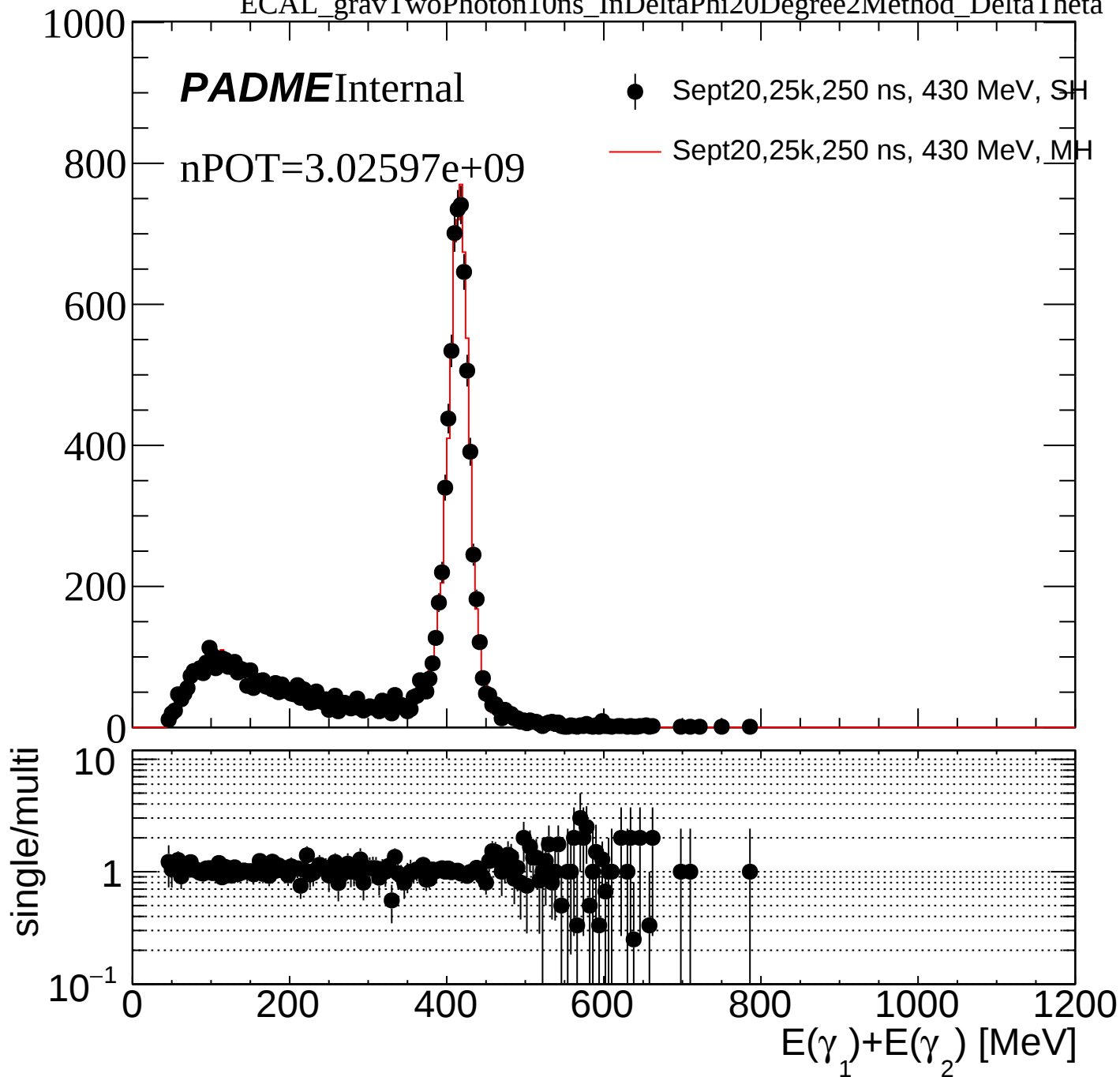




ECAL_twoPhotonInTime10ns







ECAL_gravTwoPhoton10ns1cm

PADME Internal

nPOT=3.02597e+09

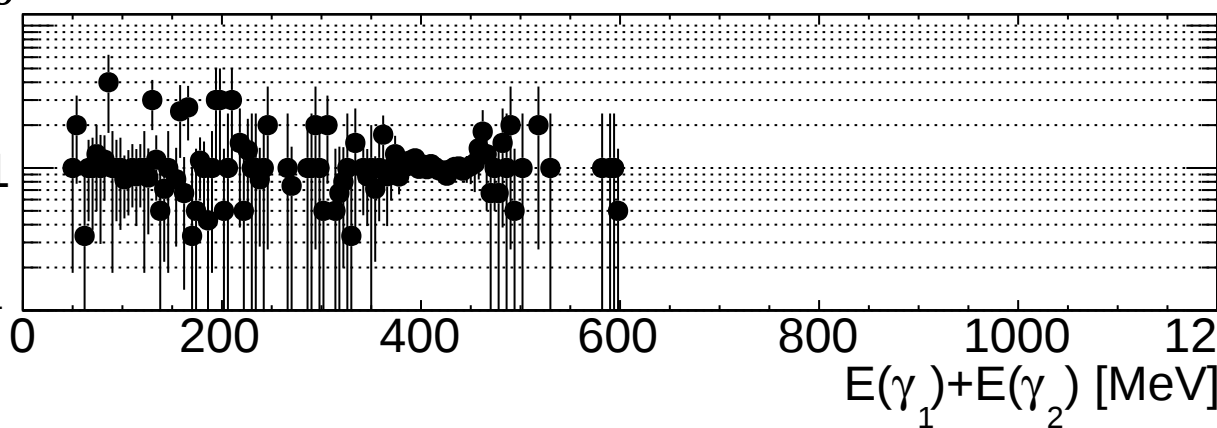
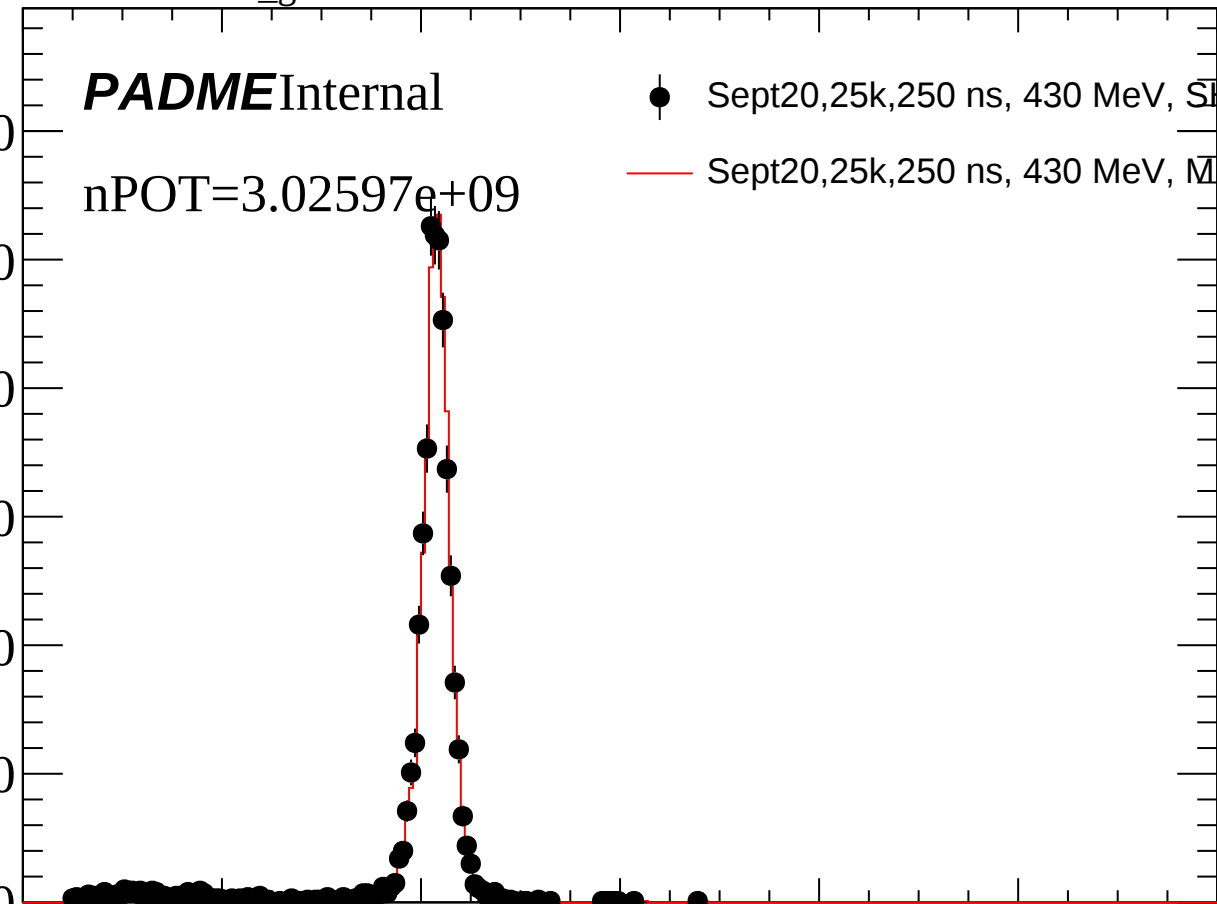
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

10
1
10⁻¹

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



ECAL_twoPhotonInTime10nsUnderPeak

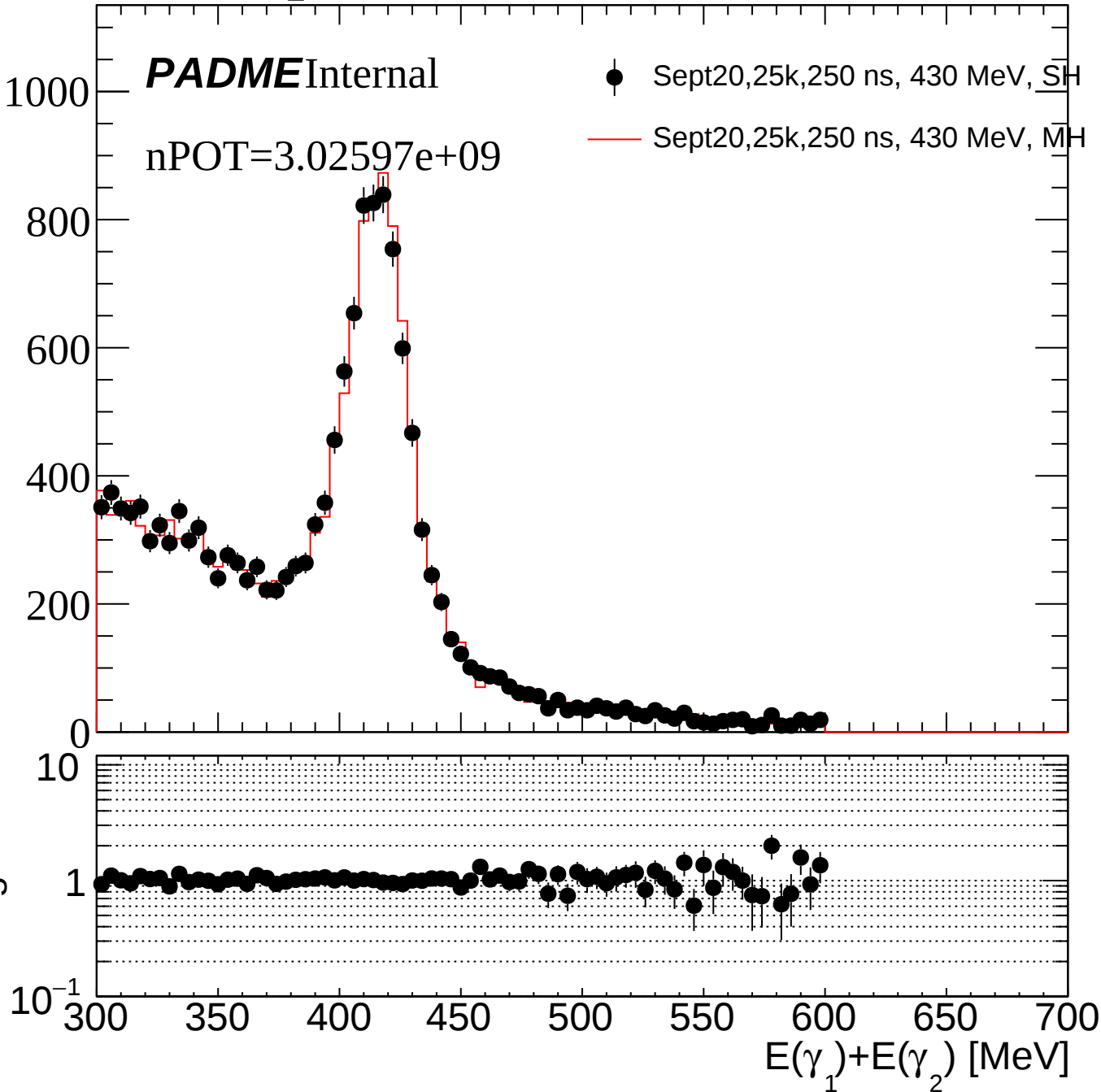
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



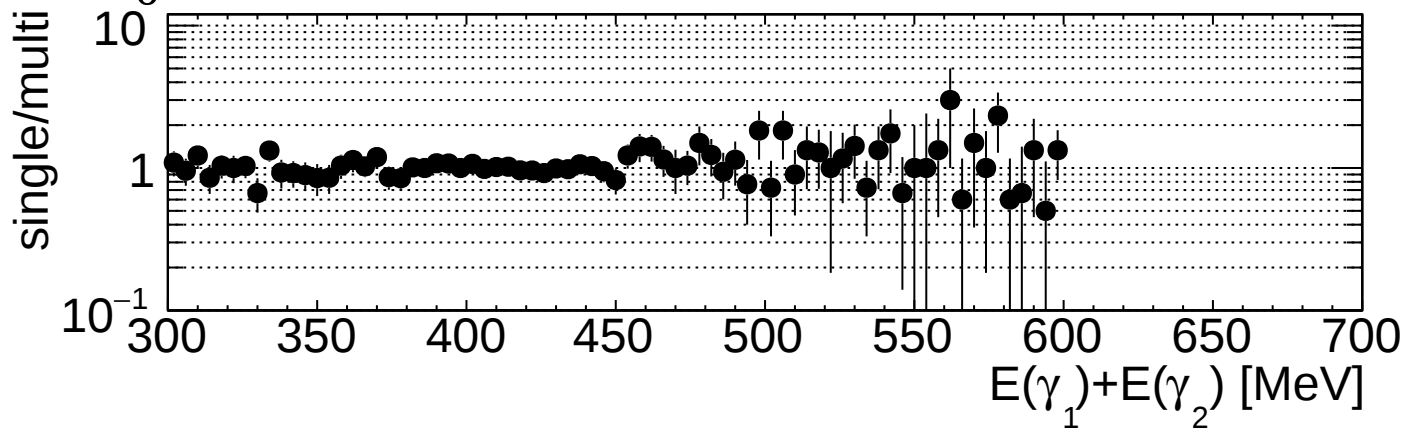
ECAL_twoPhotonInTime10ns20DegreeUnderPeak

PADME Internal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak

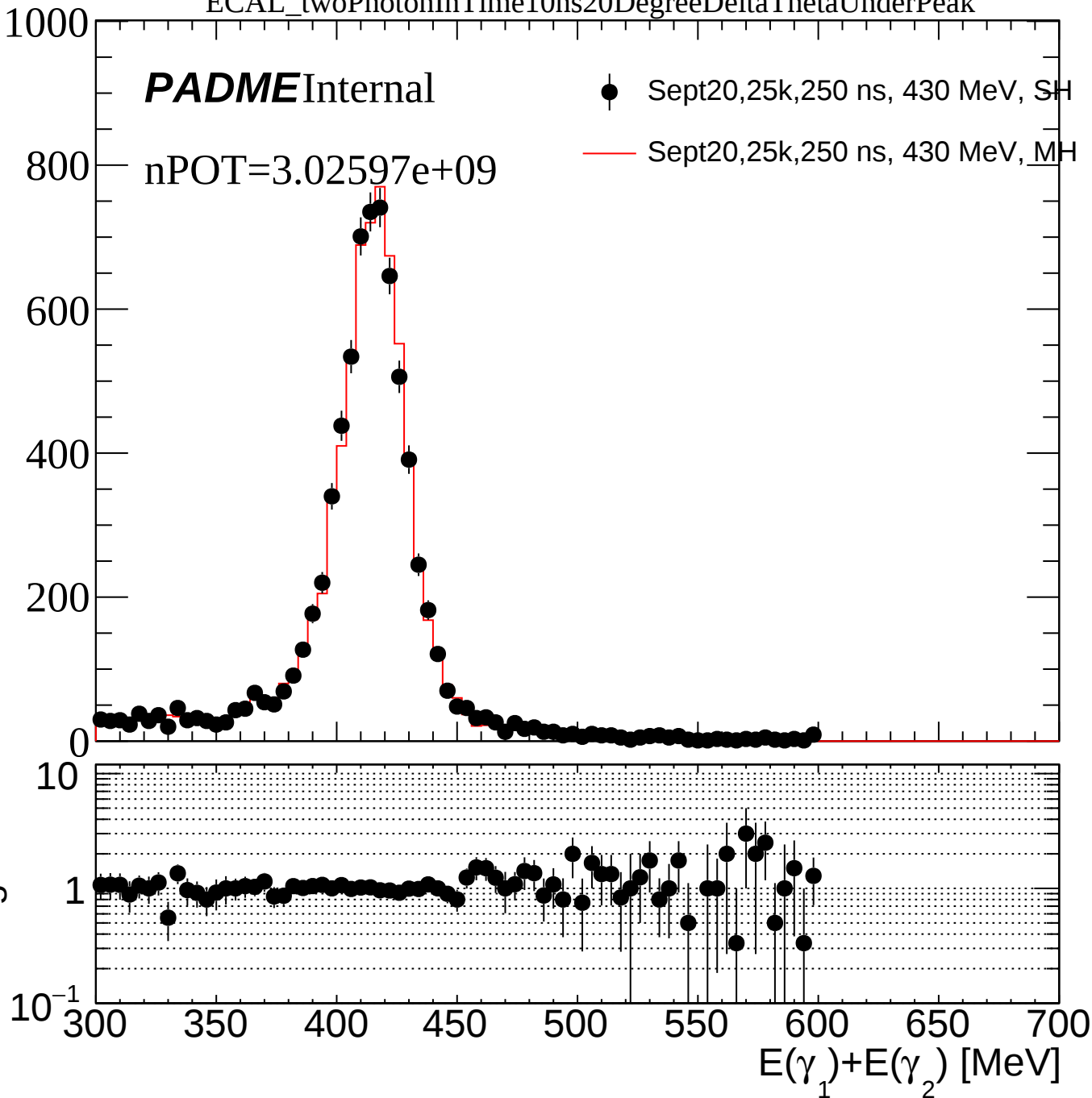
PADME Internal

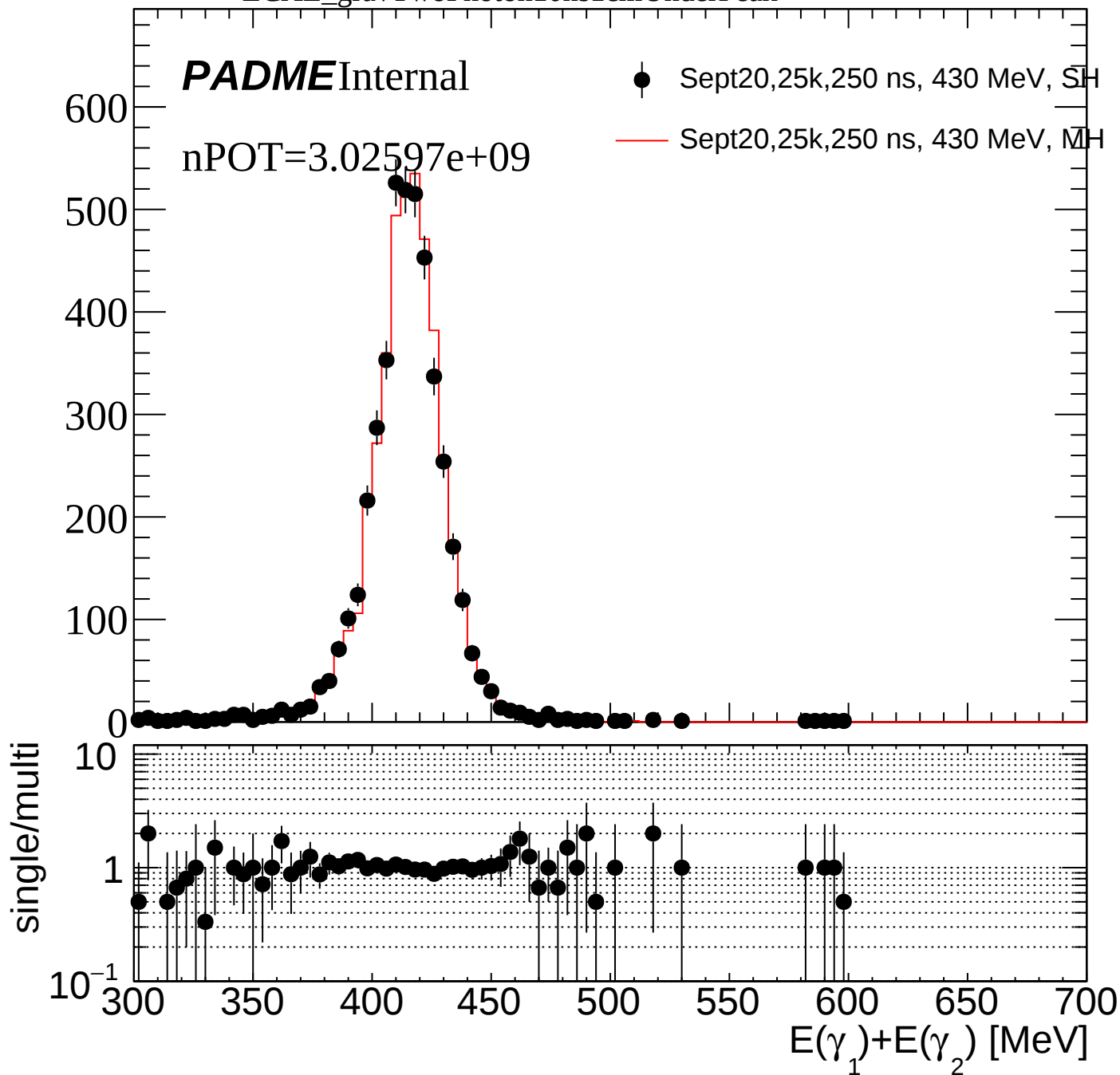
nPOT=3.02597e+09

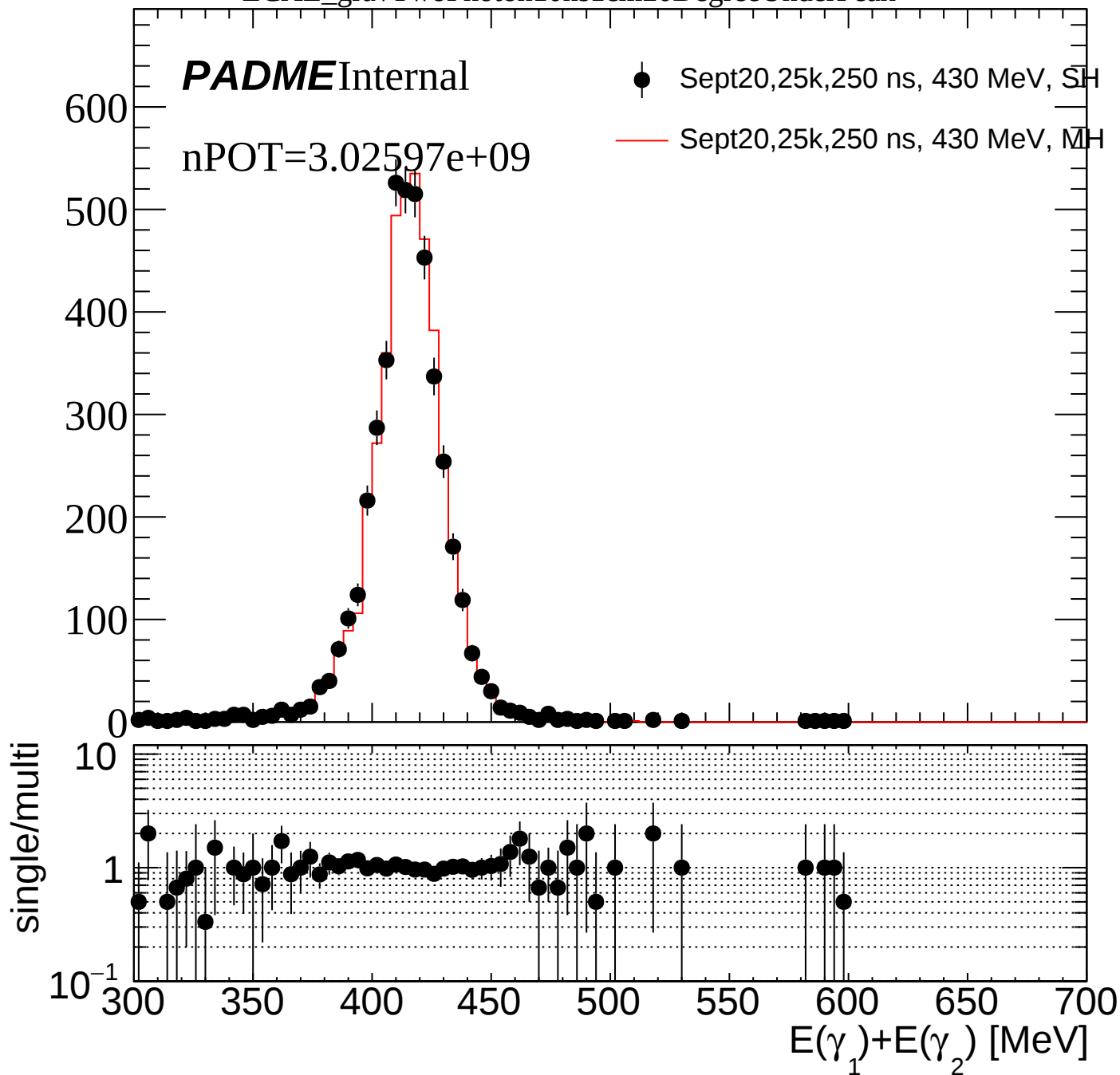
● Sept20,25k,250 ns, 430 MeV, SH

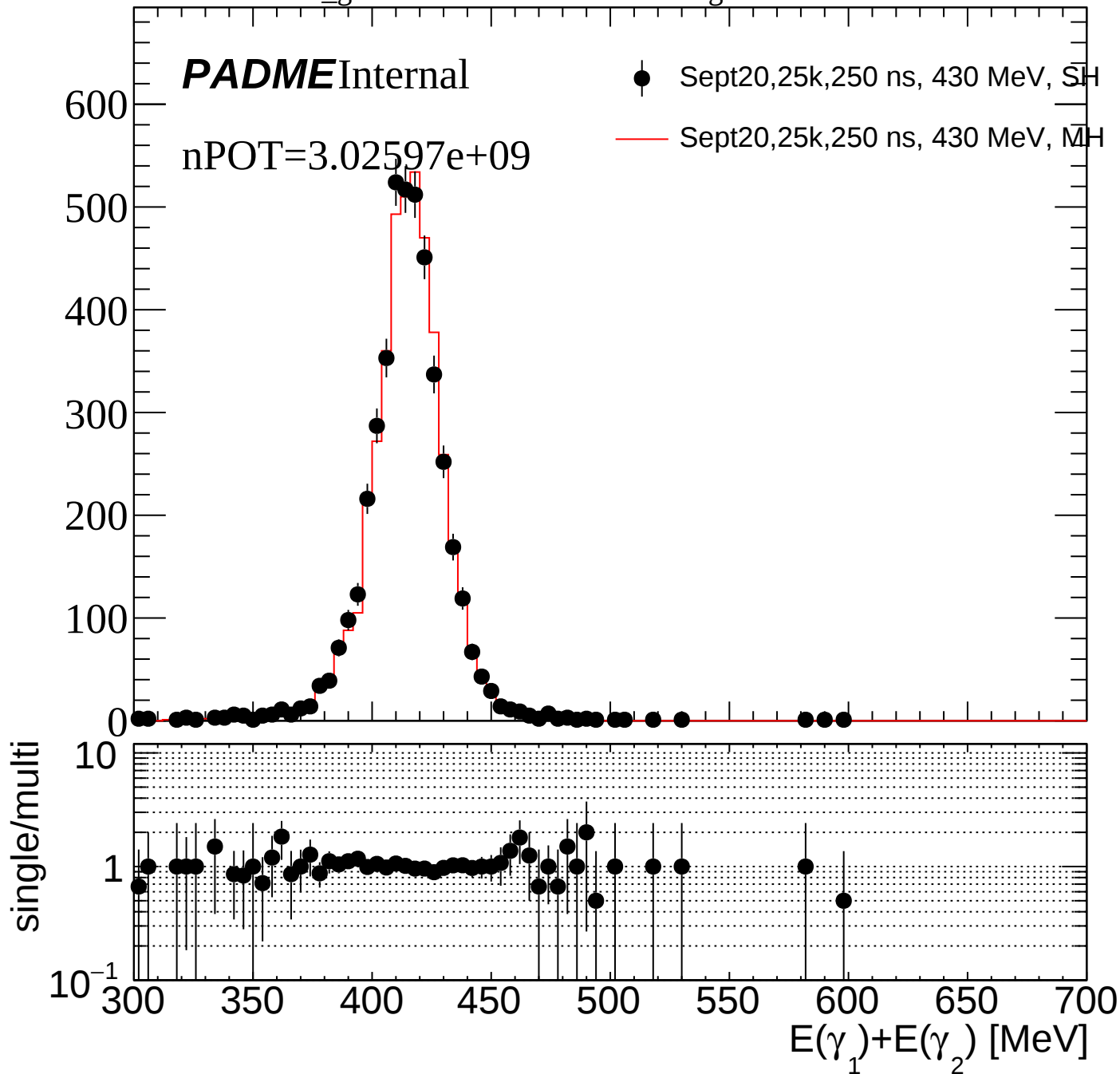
— Sept20,25k,250 ns, 430 MeV, MH

single/multi

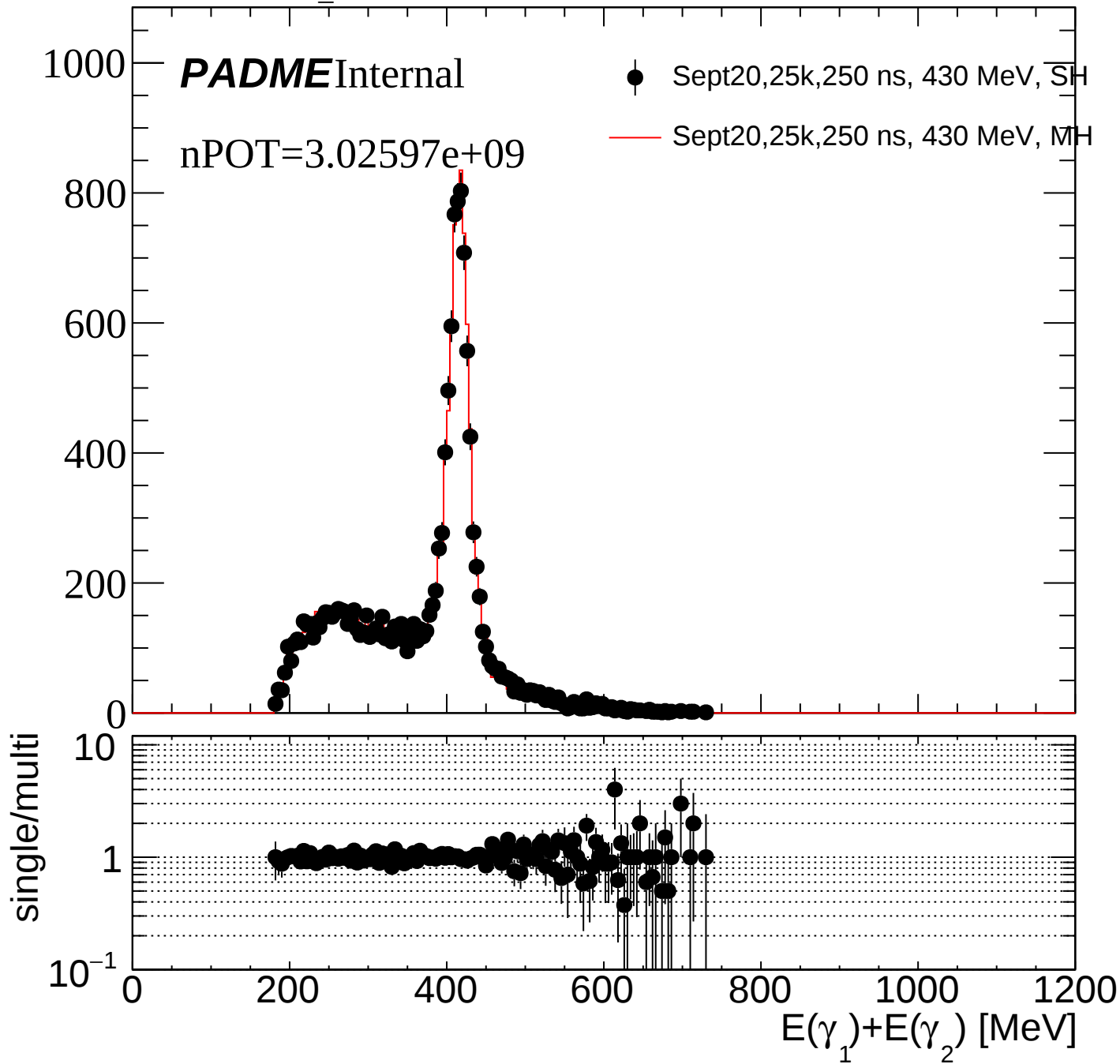








ECAL_twoPhotonInTime10nsEThr90



ECAL_twoPhotonInTime10ns20DegreeEThr90

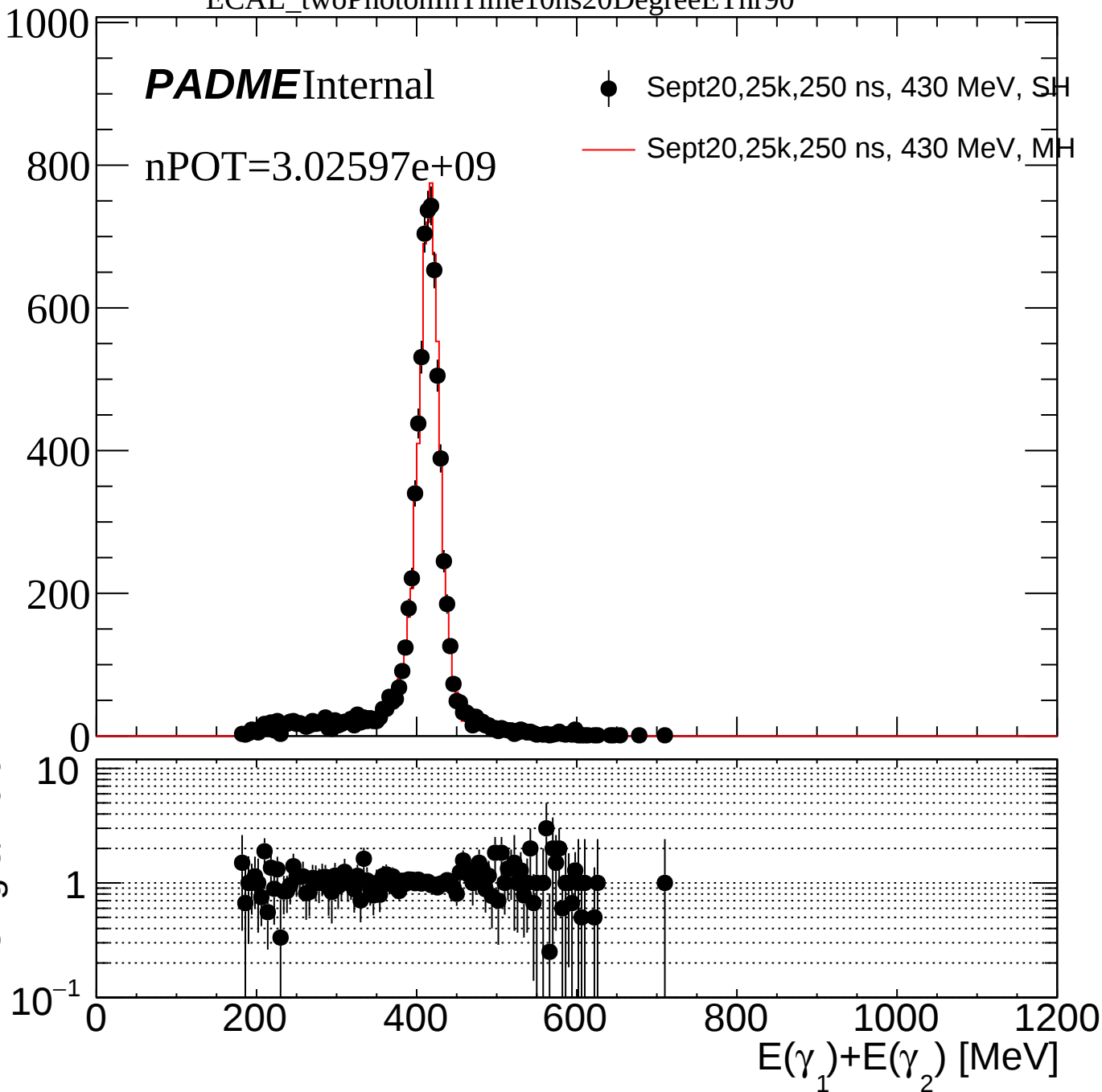
PADMEInternal

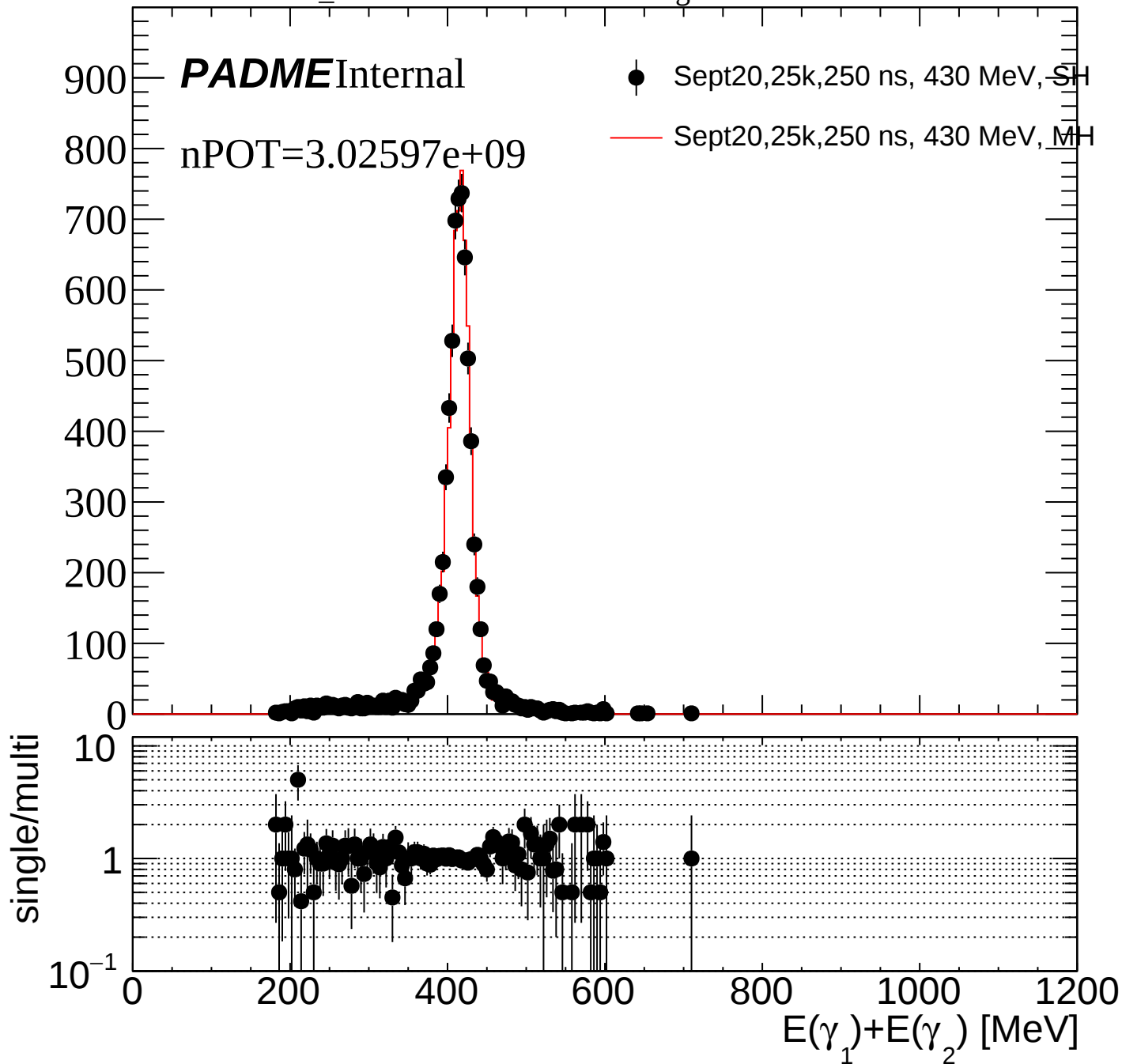
nPOT=3.02597e+09

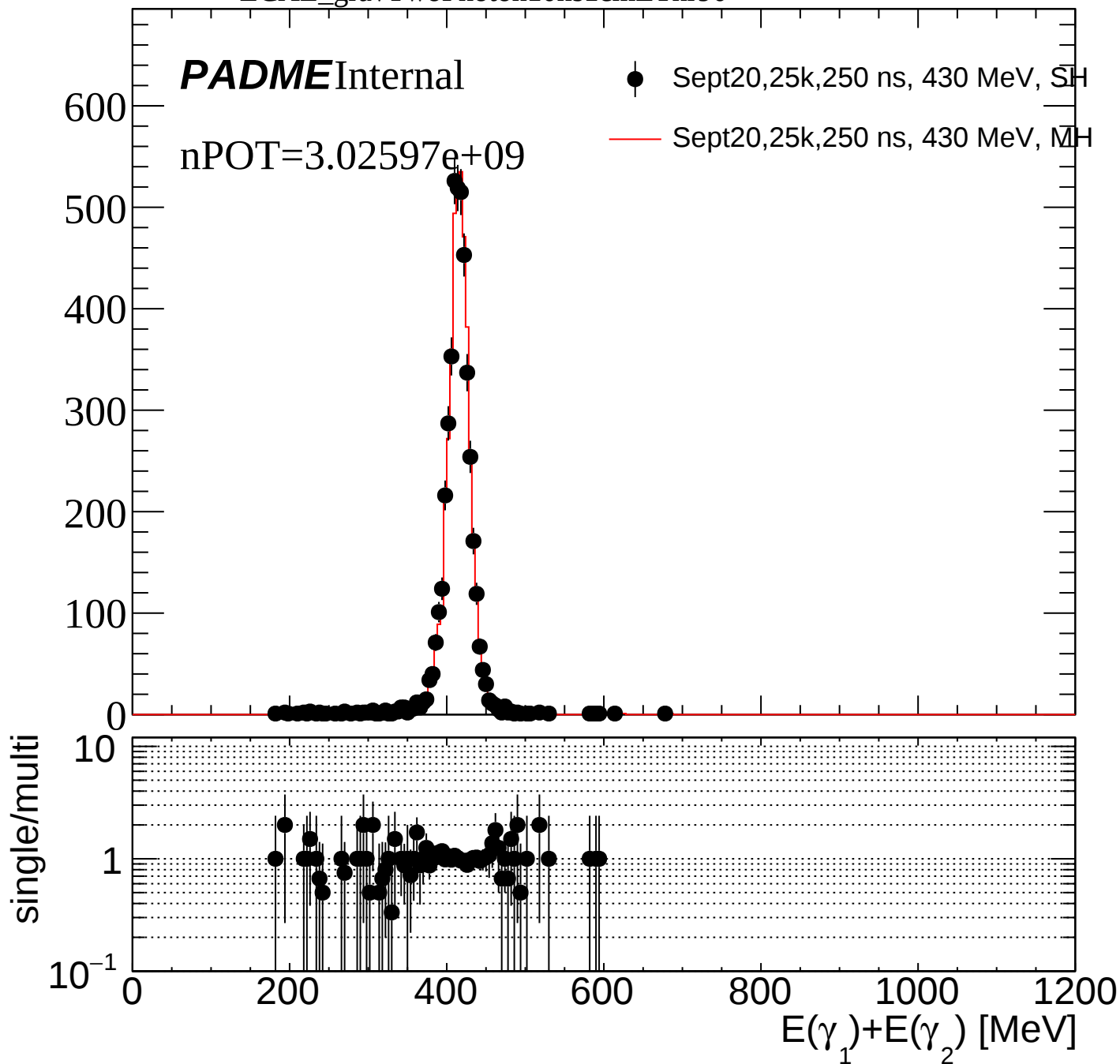
● Sept20,25k,250 ns, 430 MeV, SH

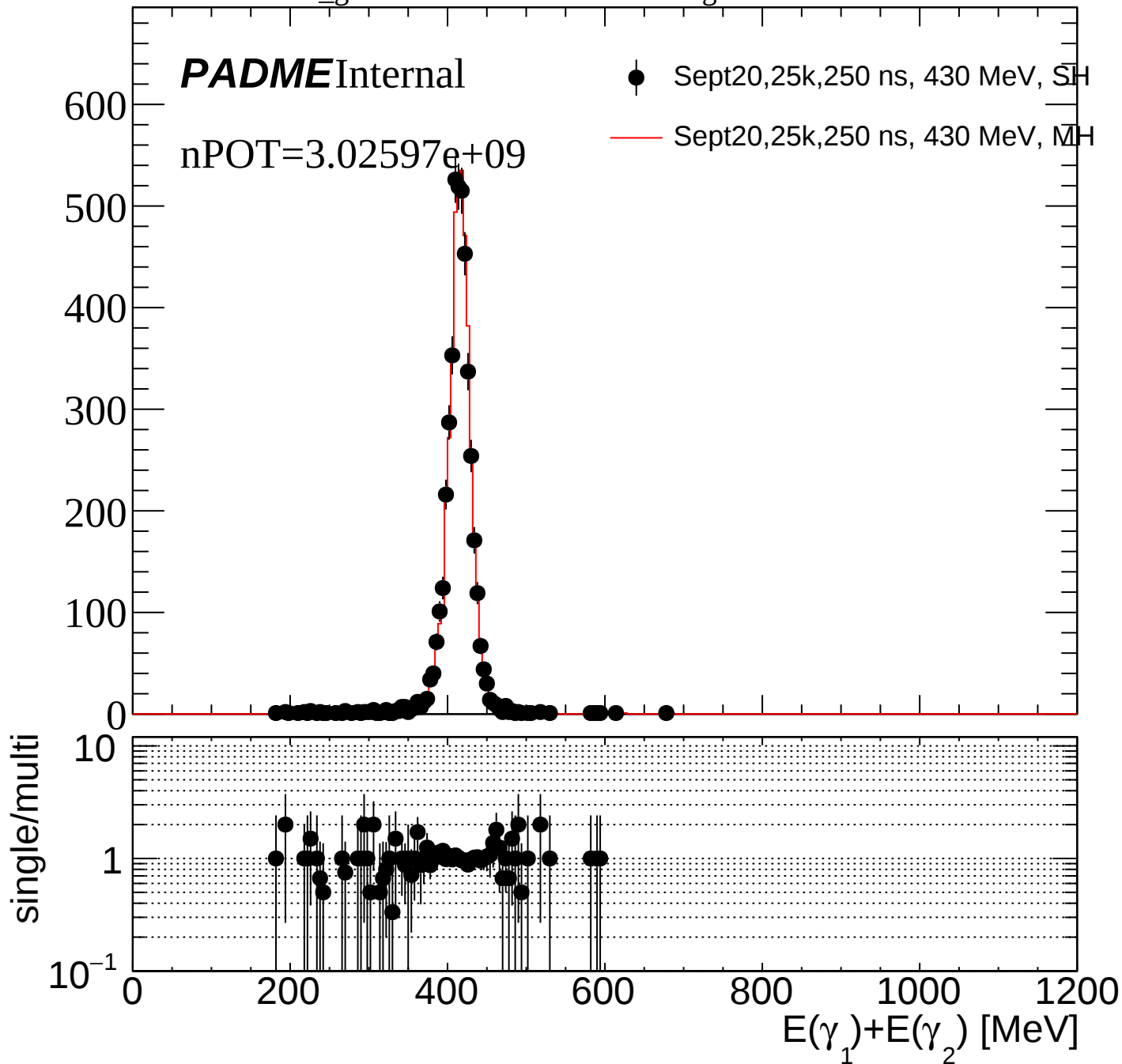
— Sept20,25k,250 ns, 430 MeV, MH

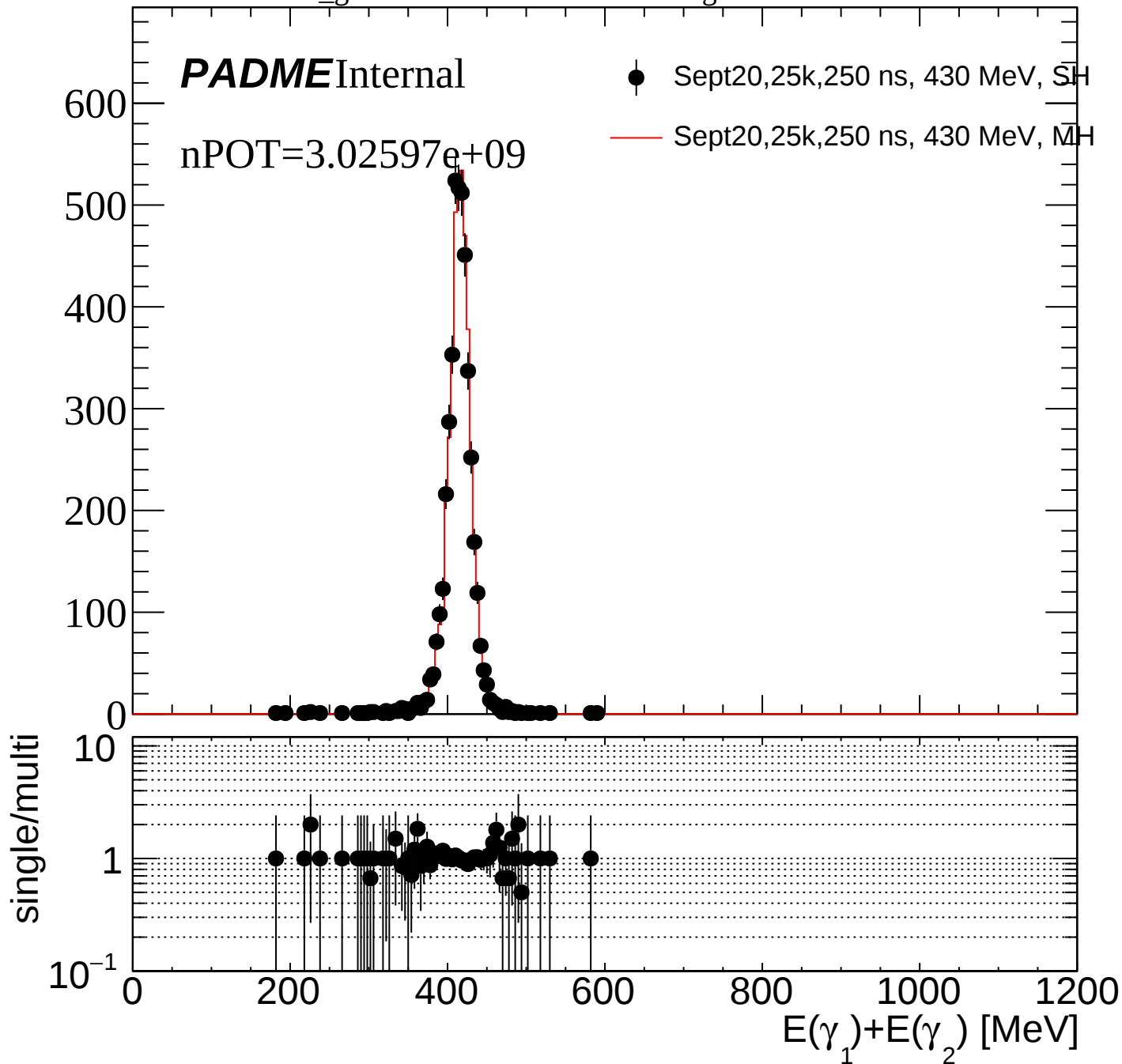
single/multi











ECAL_gravTwoPhoton10ns5cm

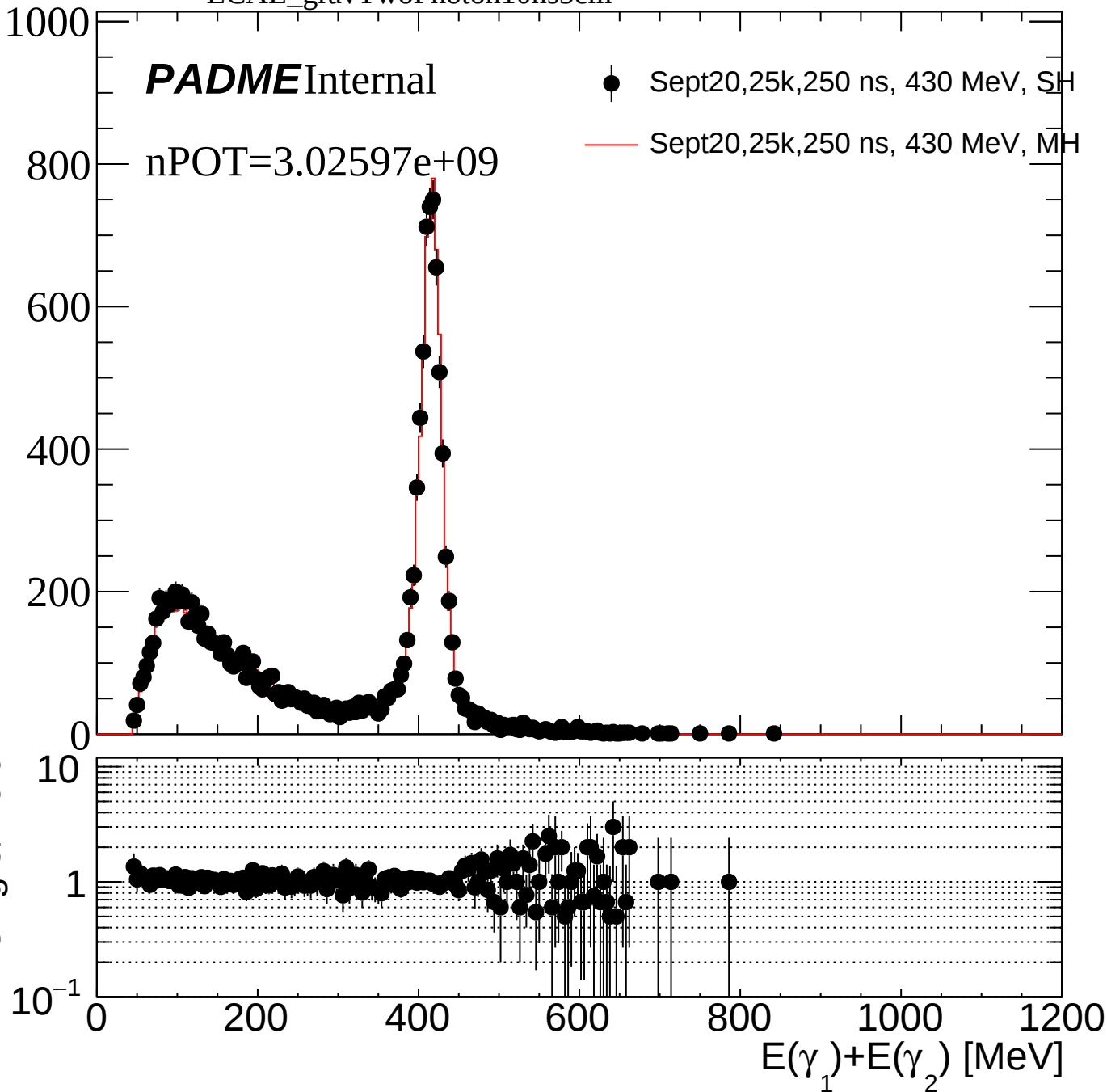
PADME Internal

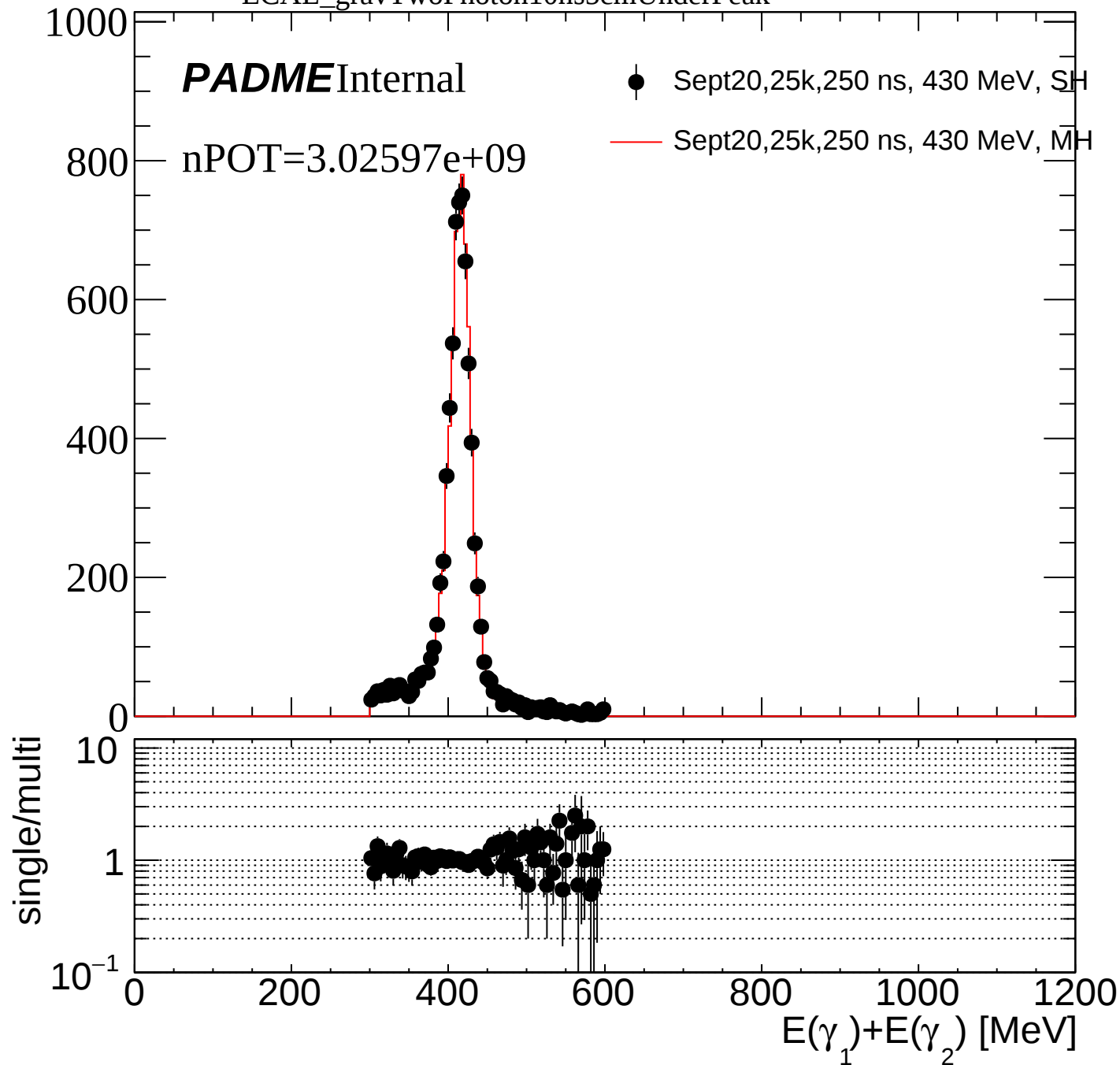
nPOT=3.02597e+09

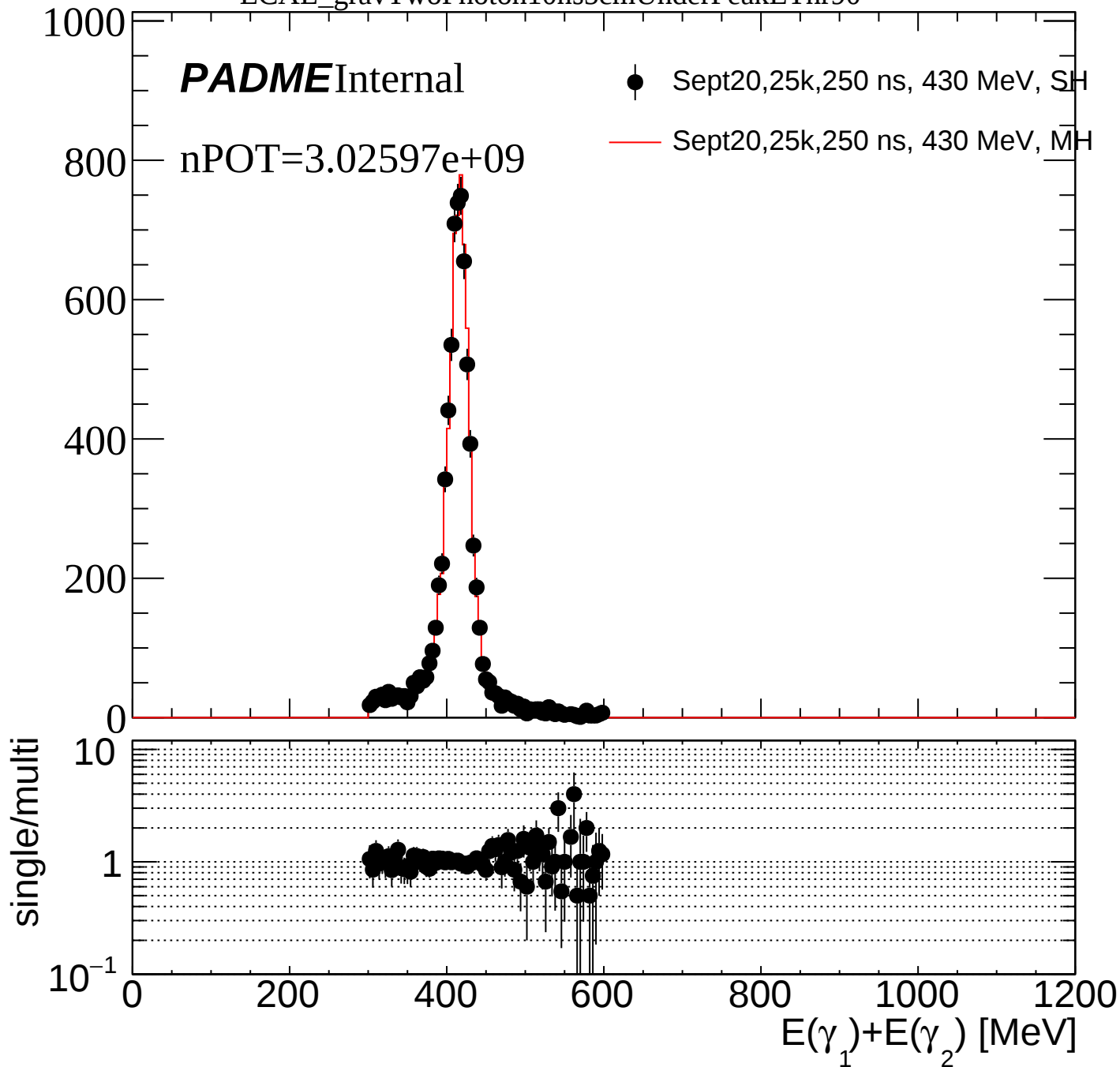
● Sept20,25k,250 ns, 430 MeV, SH

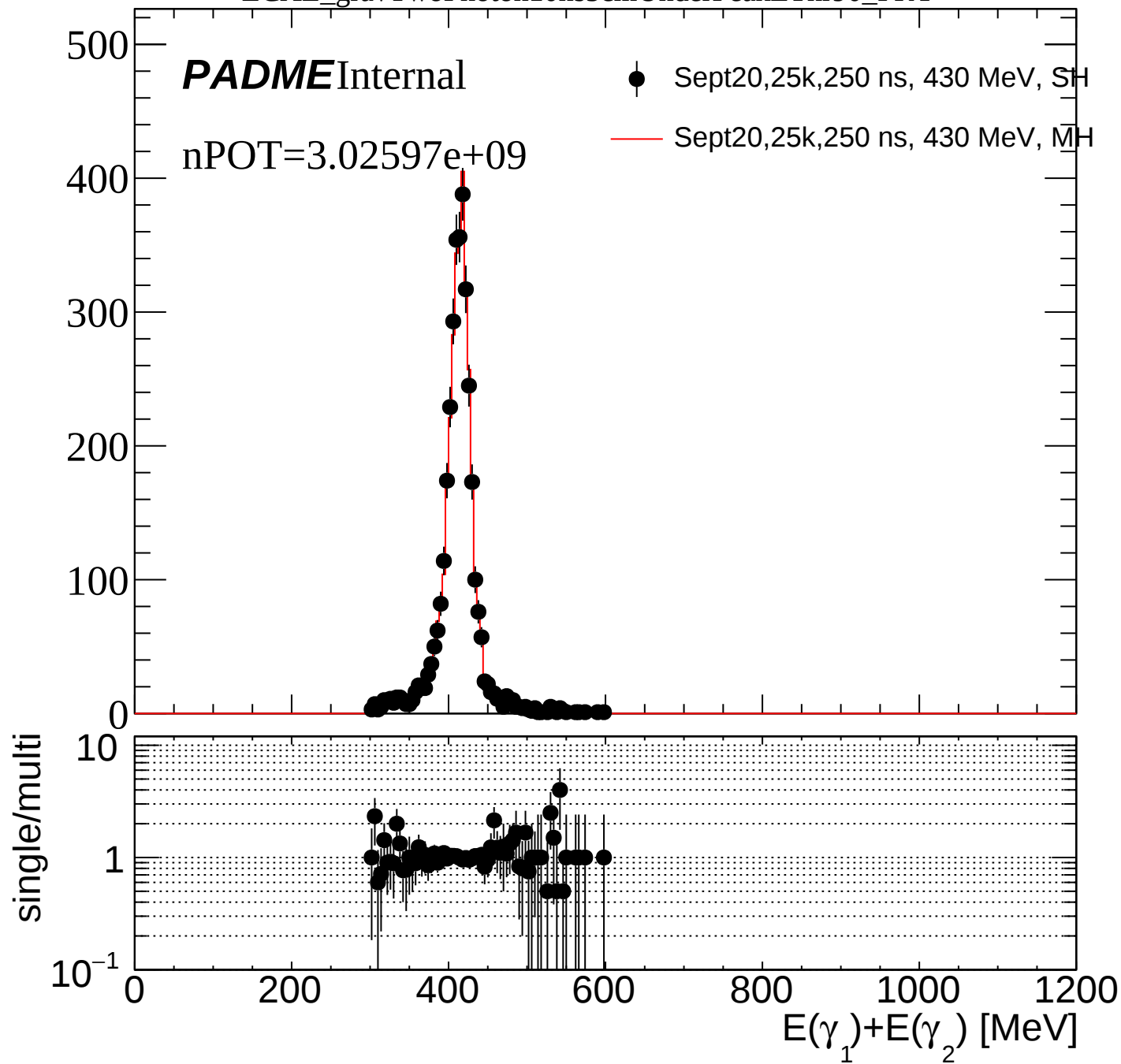
— Sept20,25k,250 ns, 430 MeV, MH

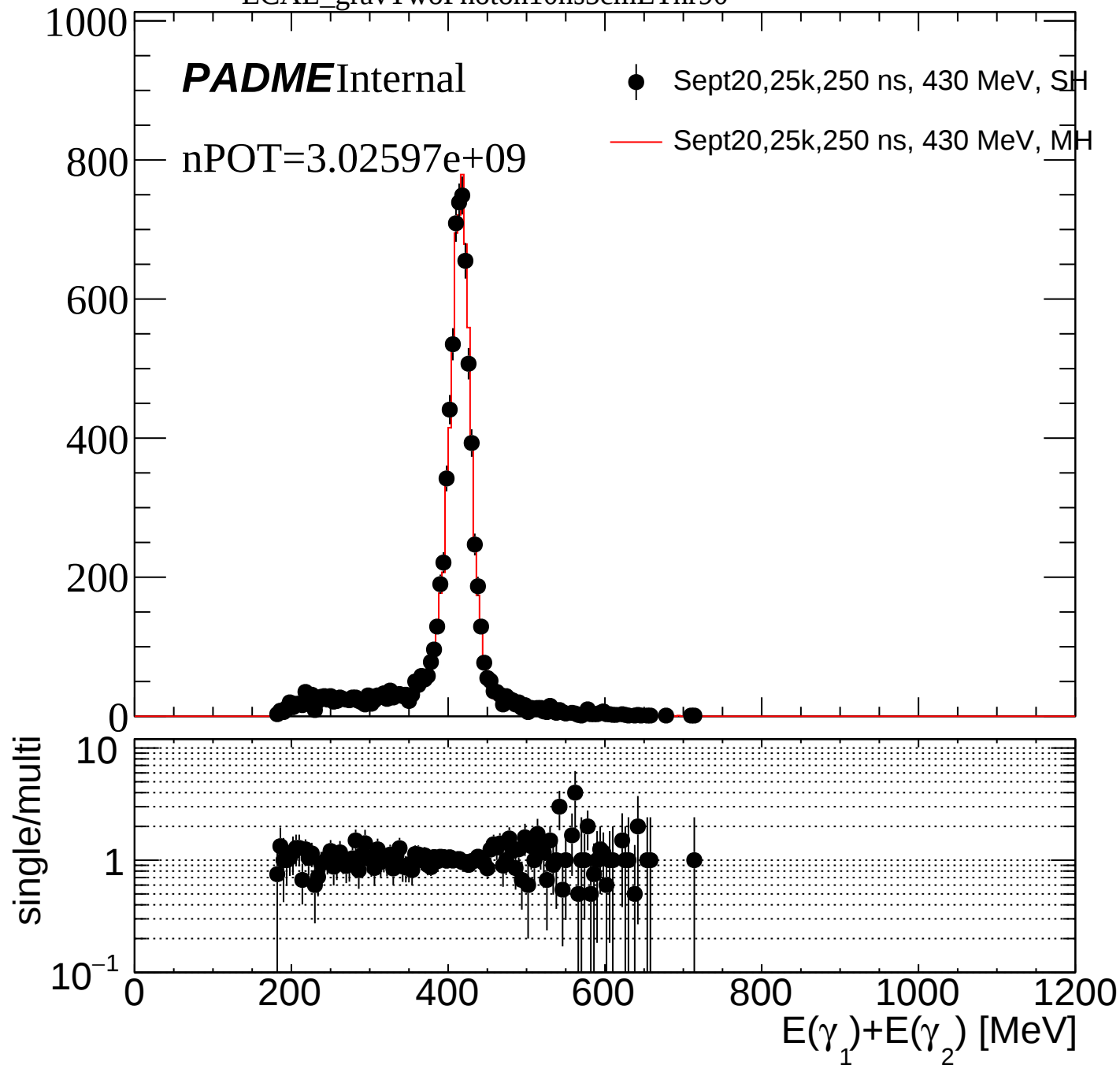
single/multi

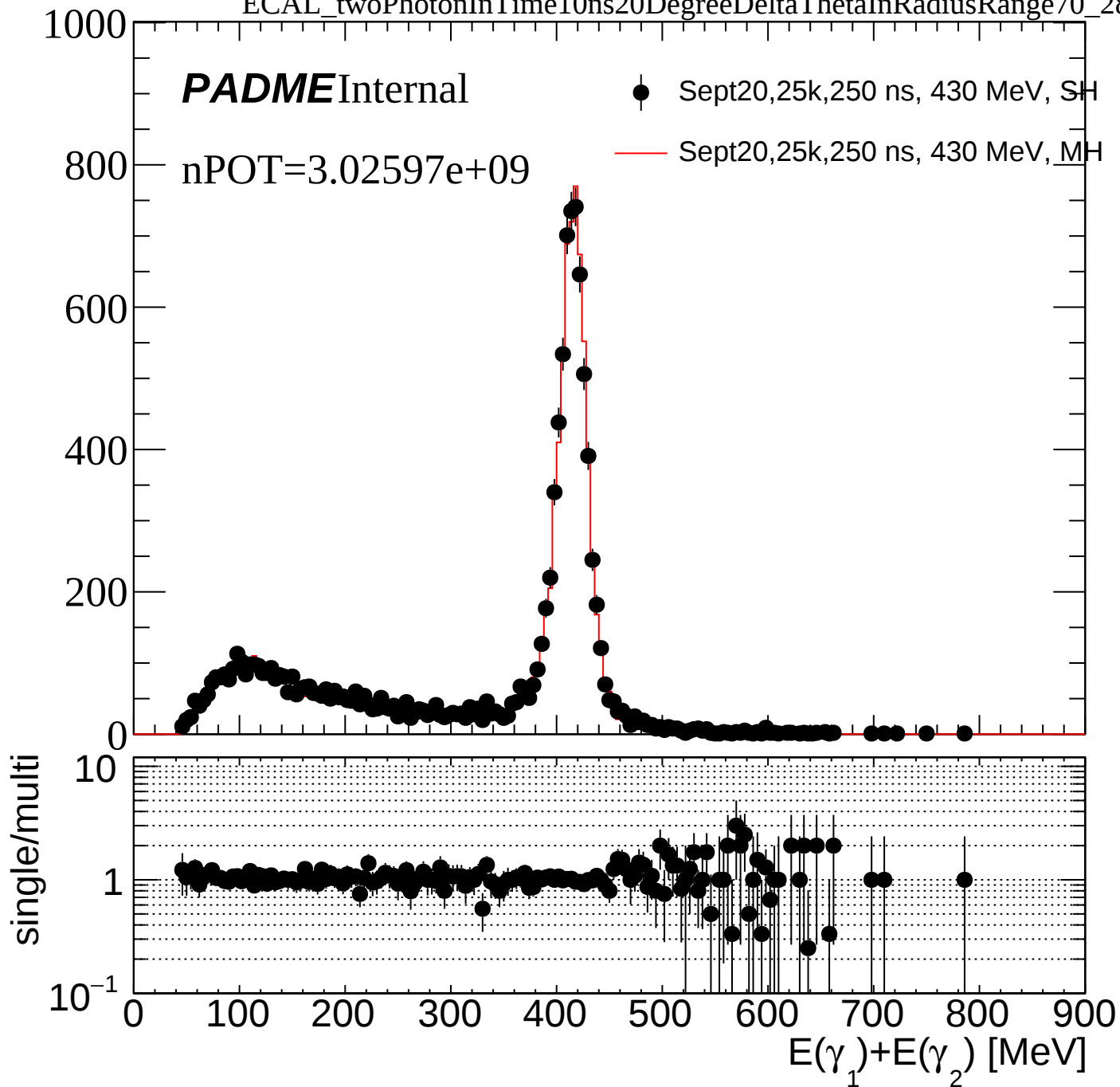


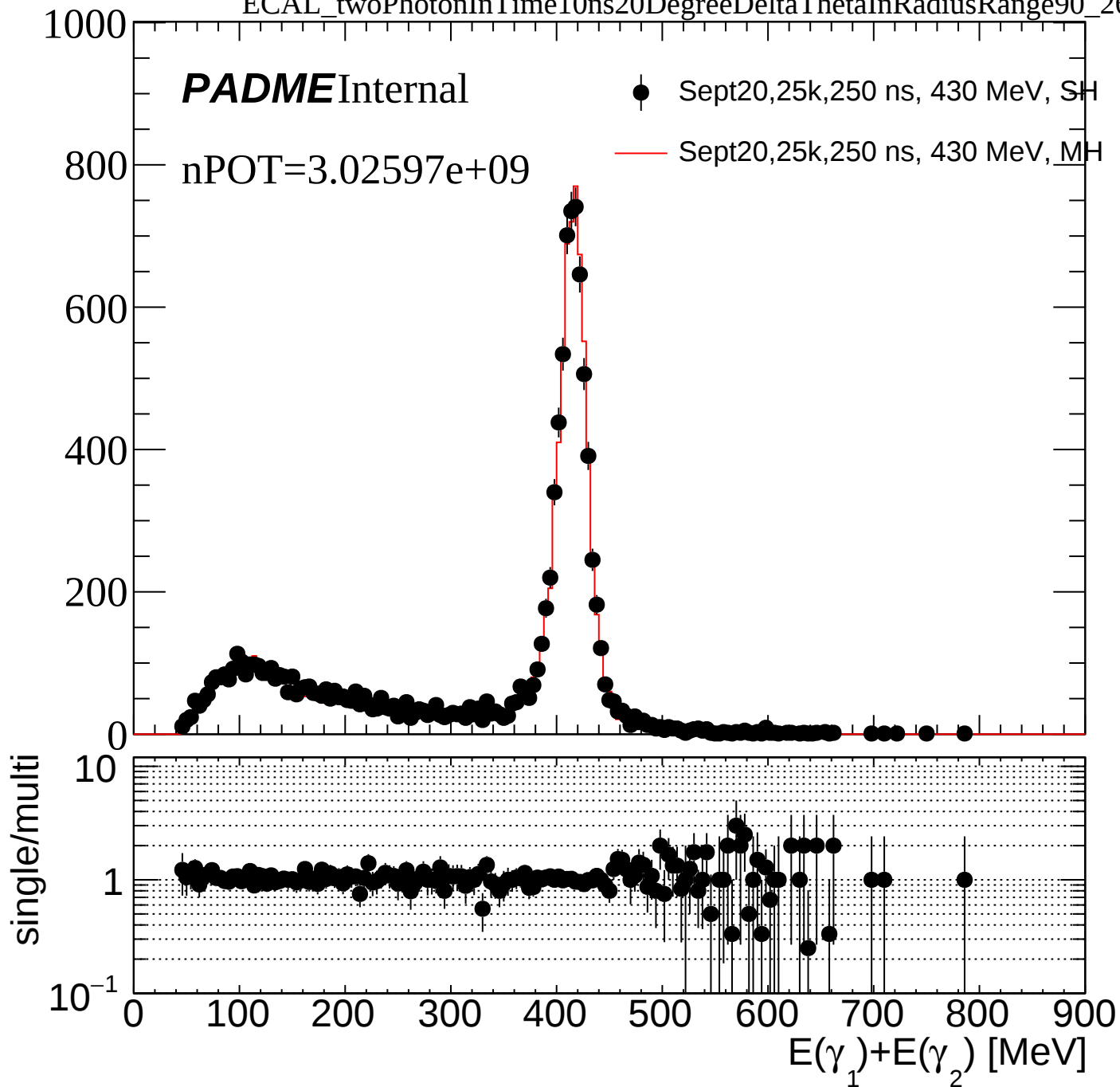


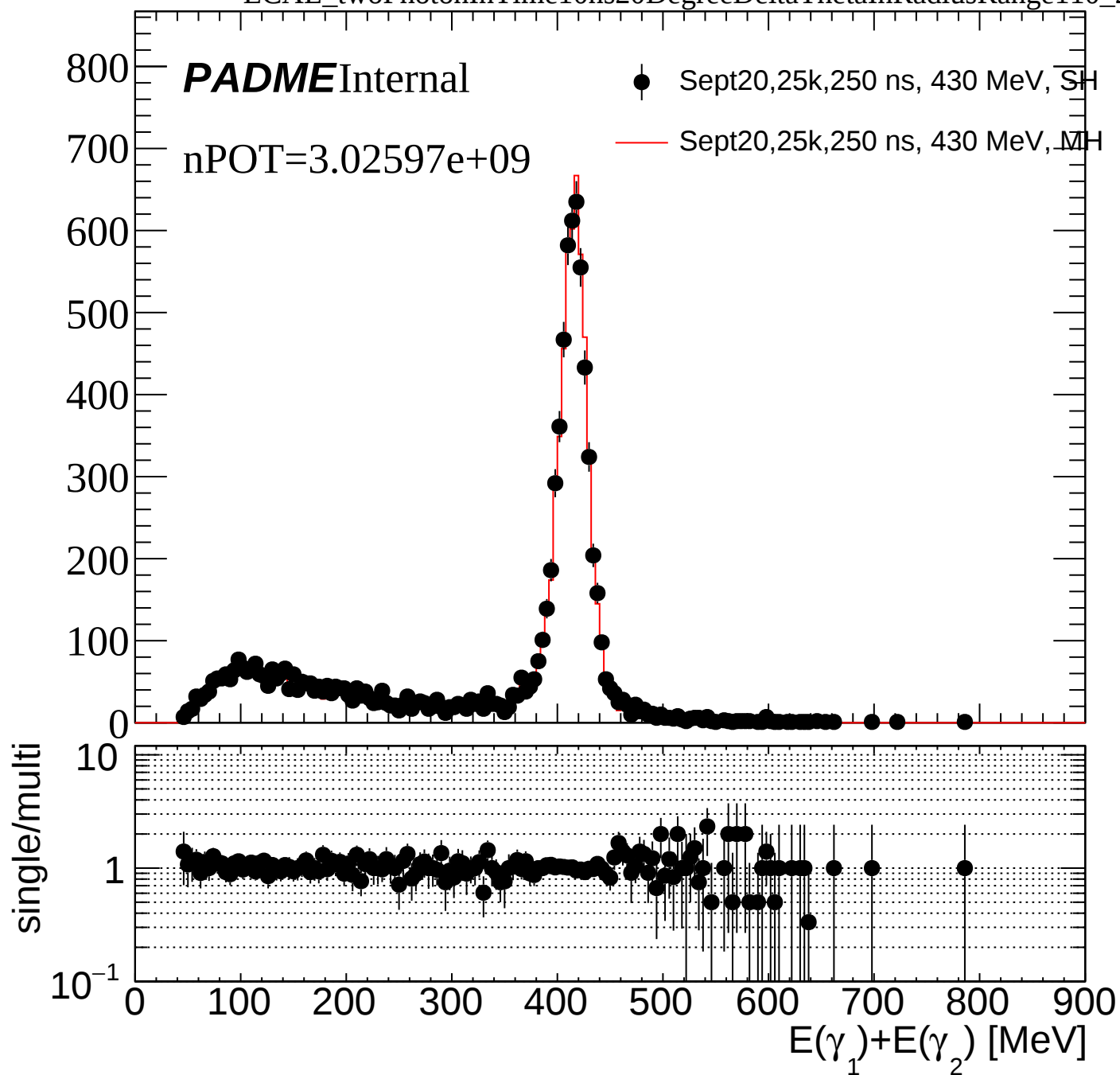


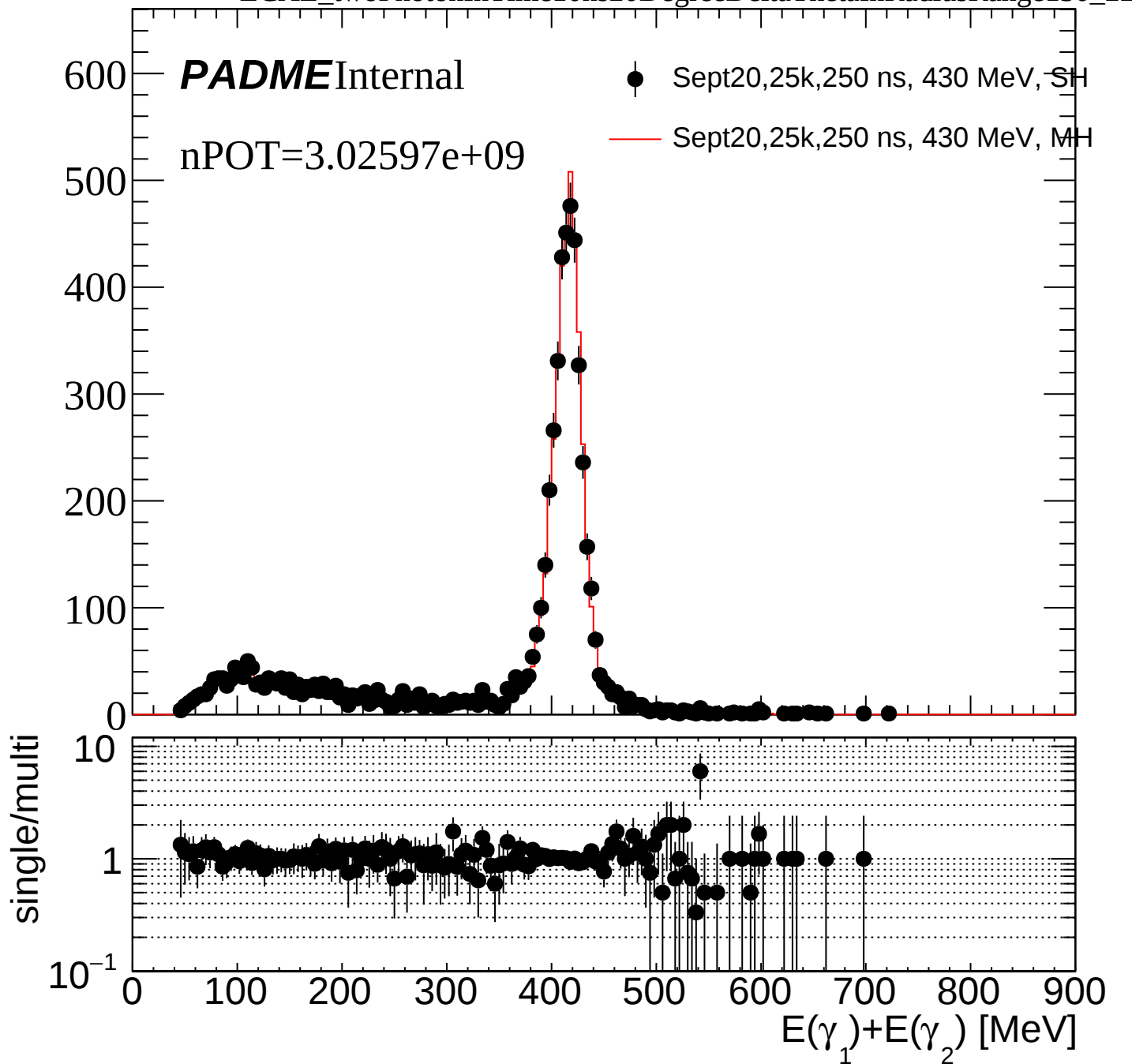


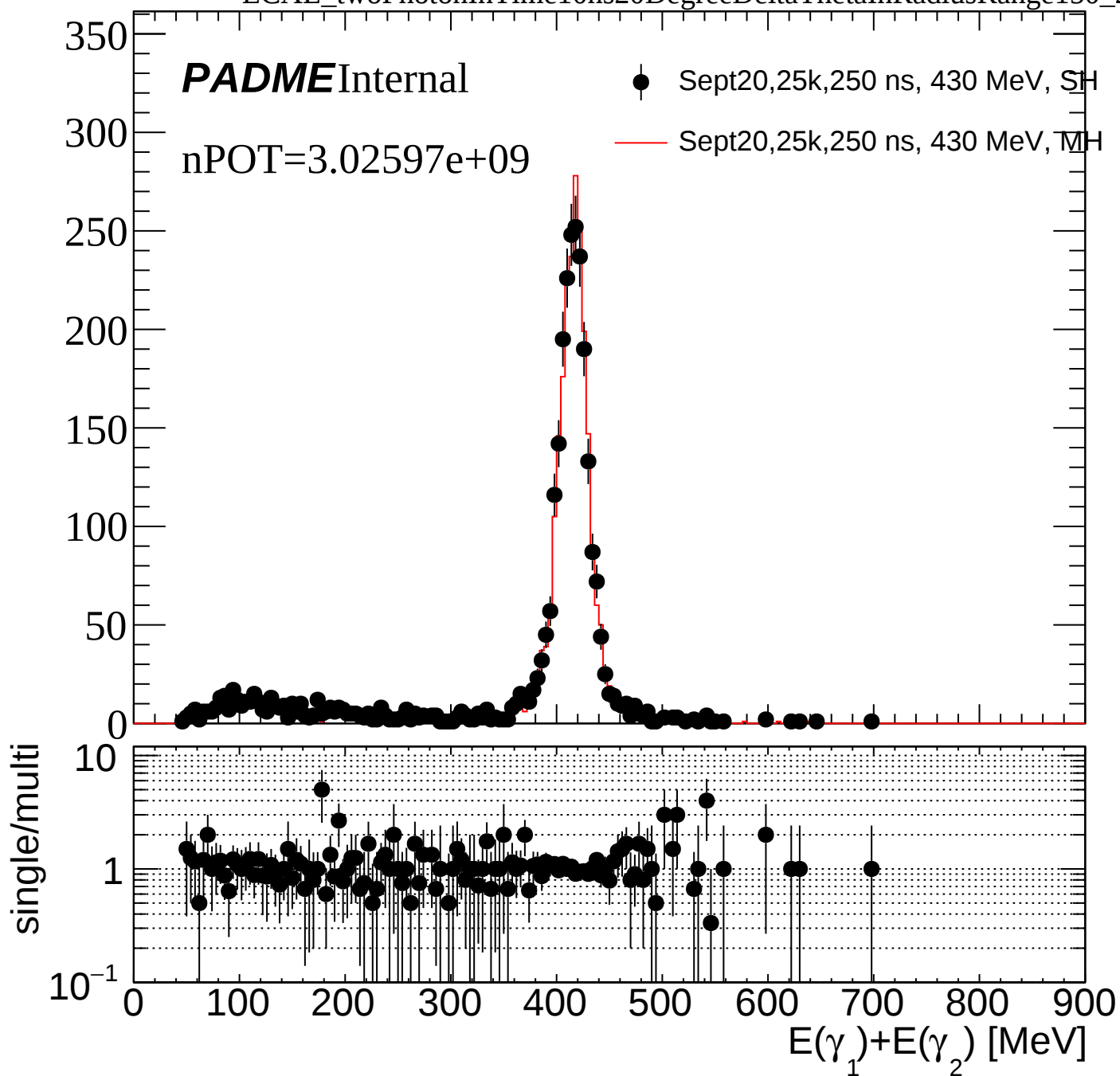


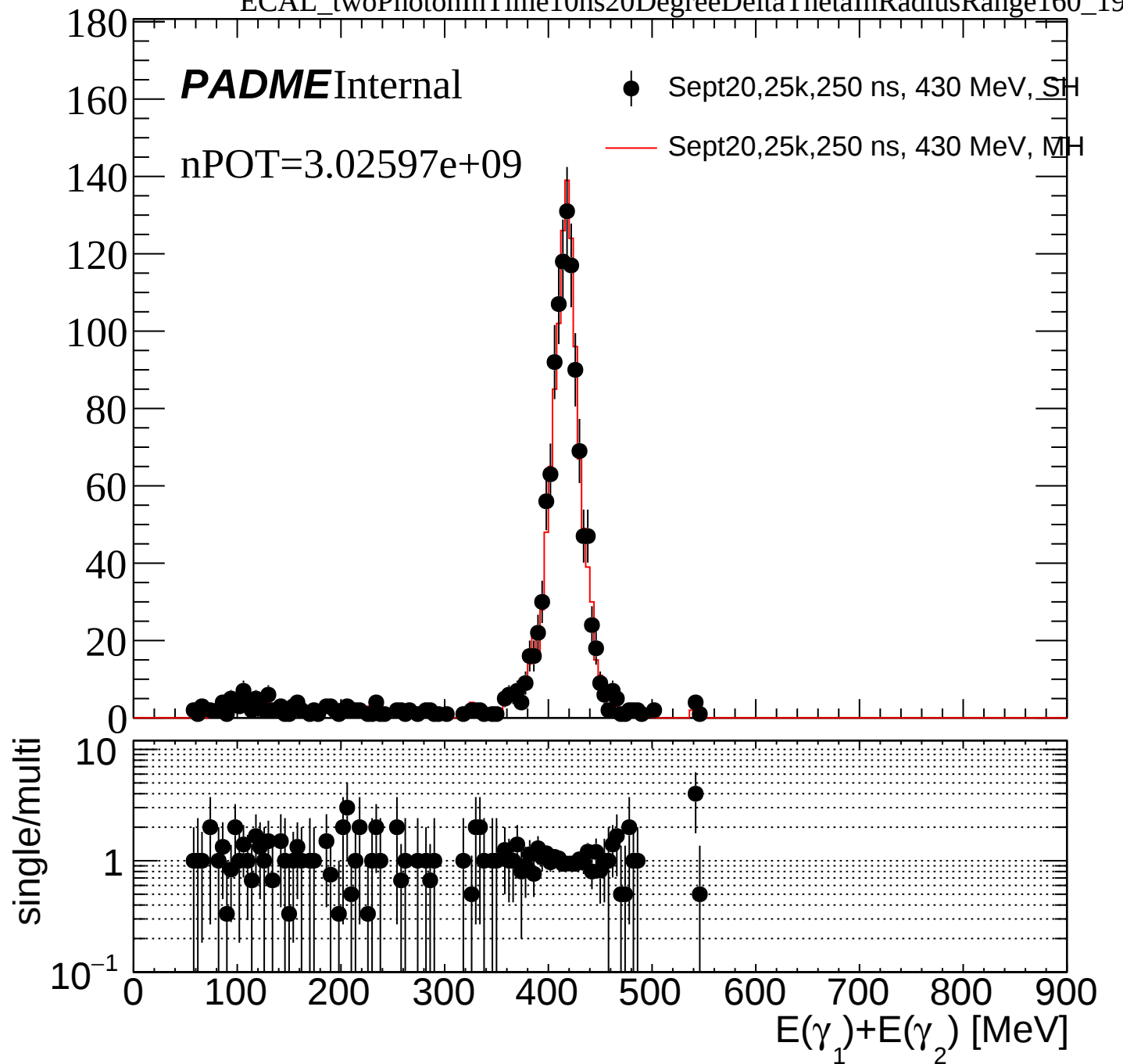


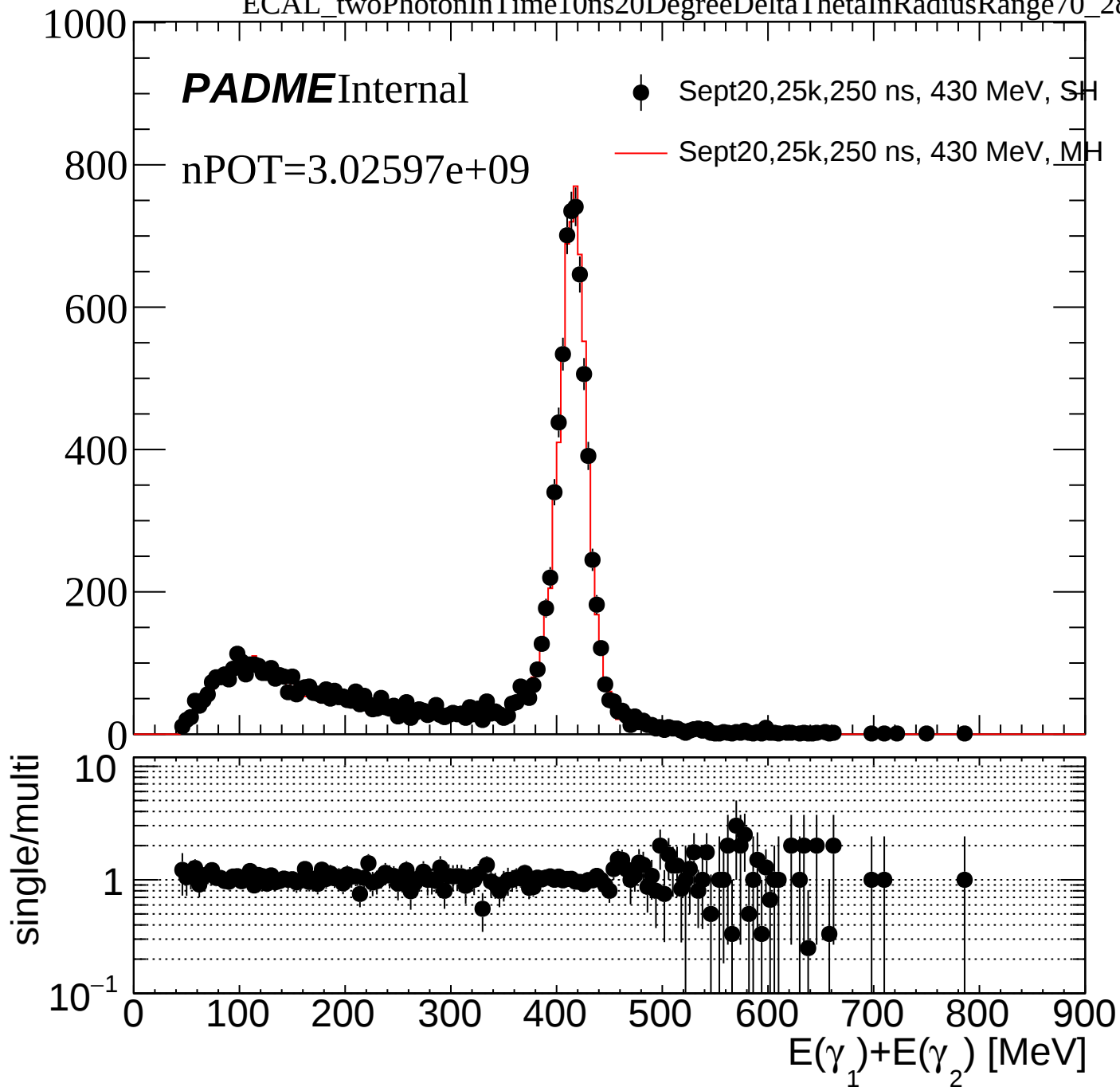


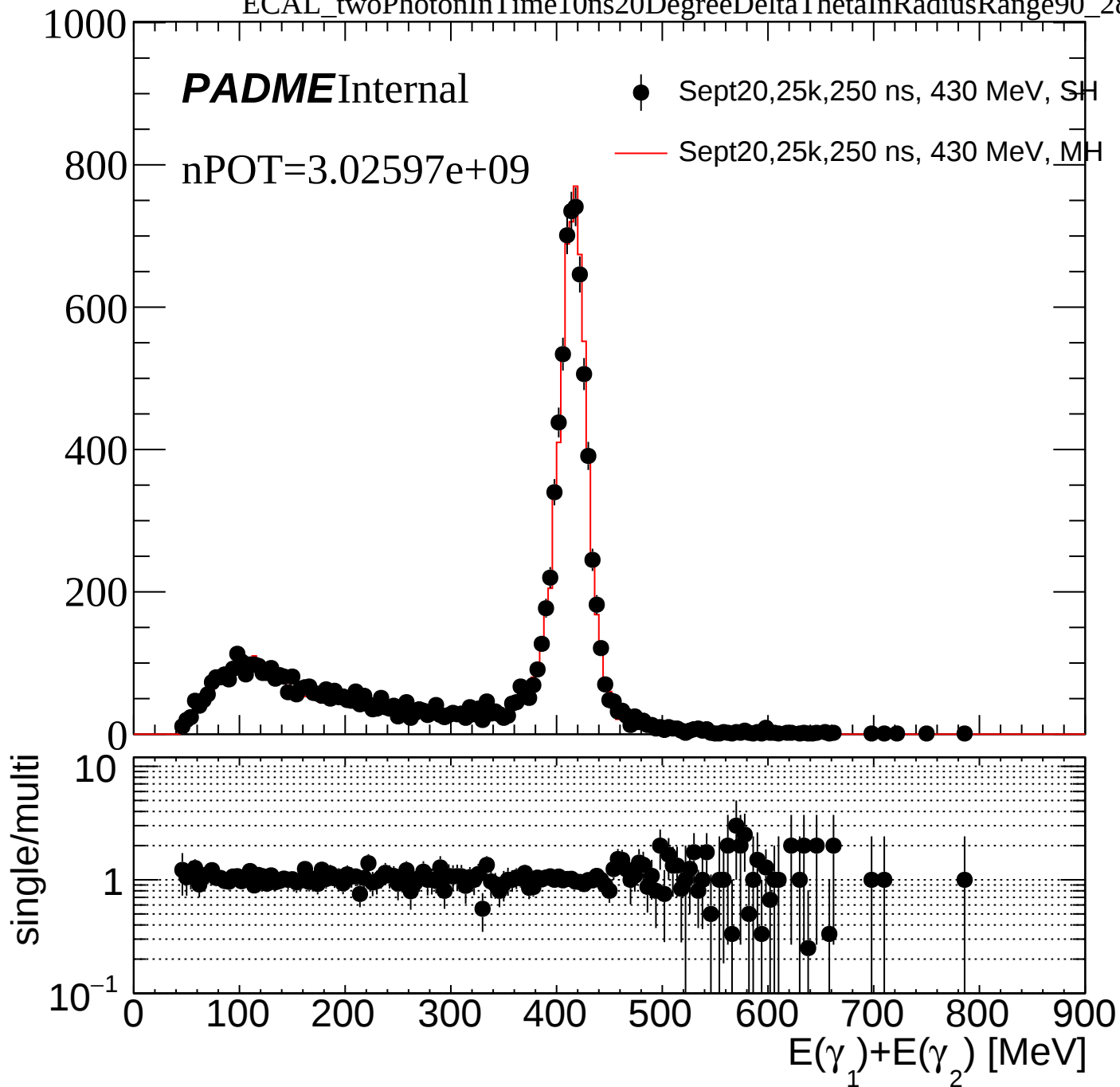


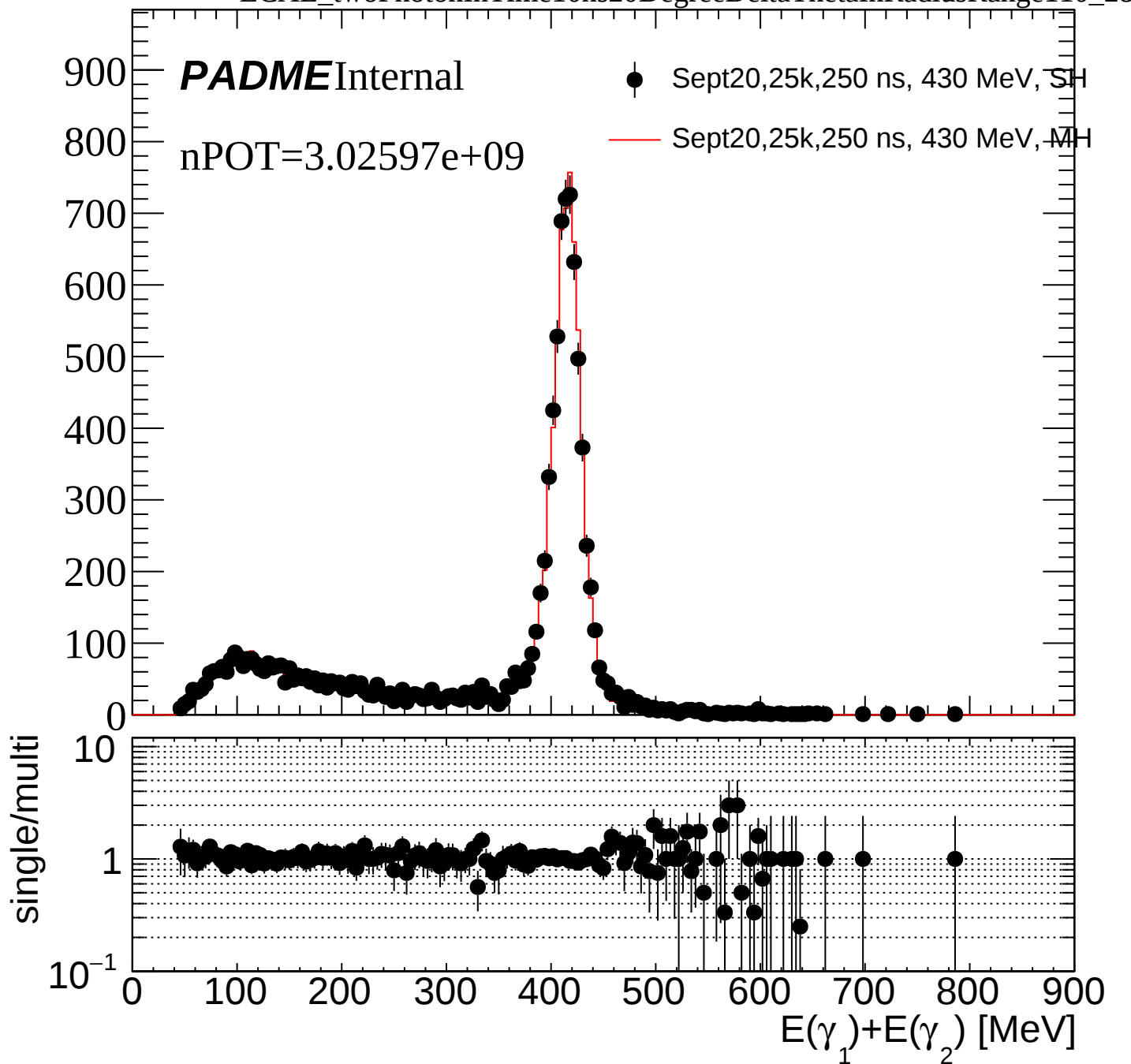


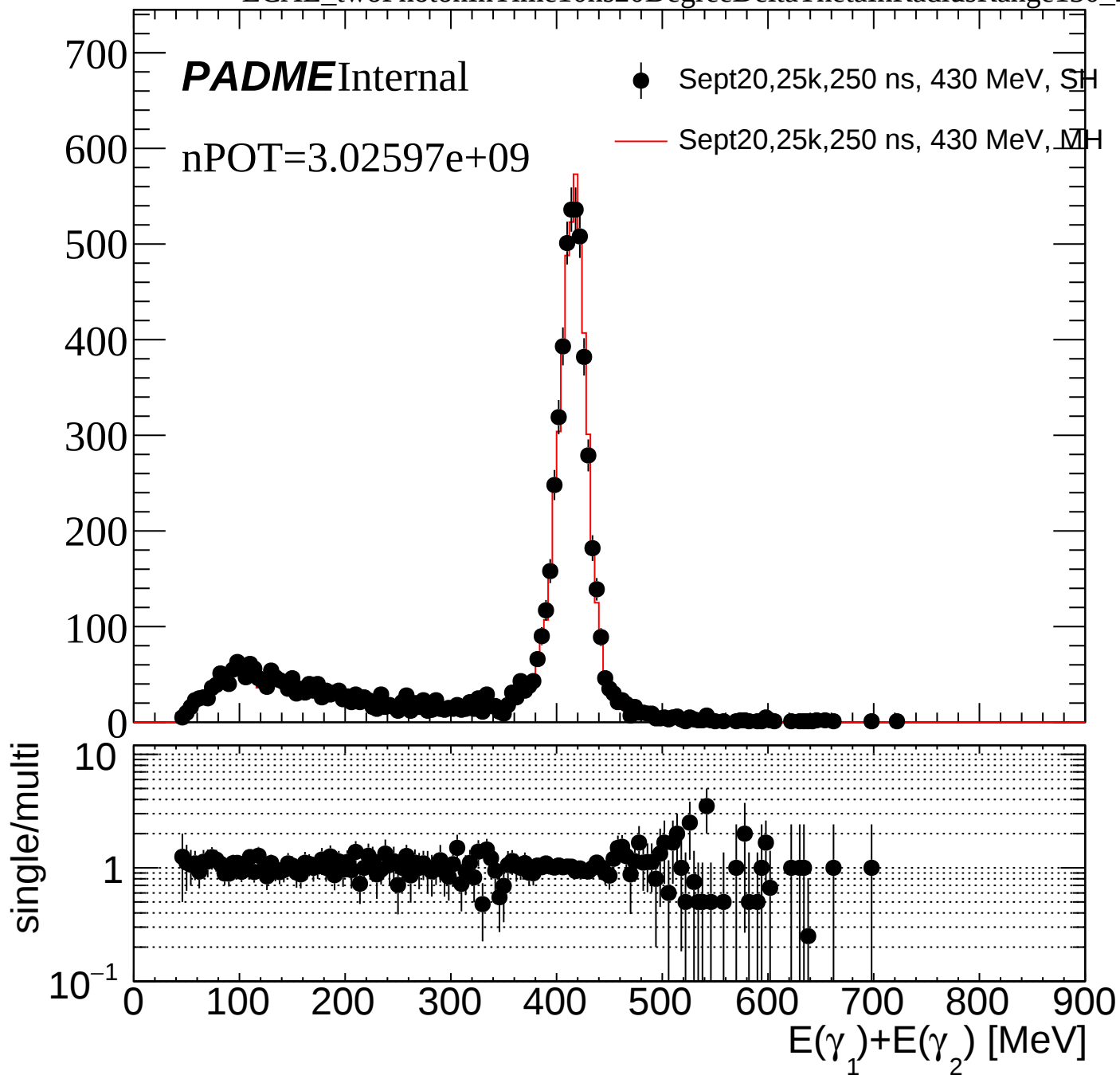


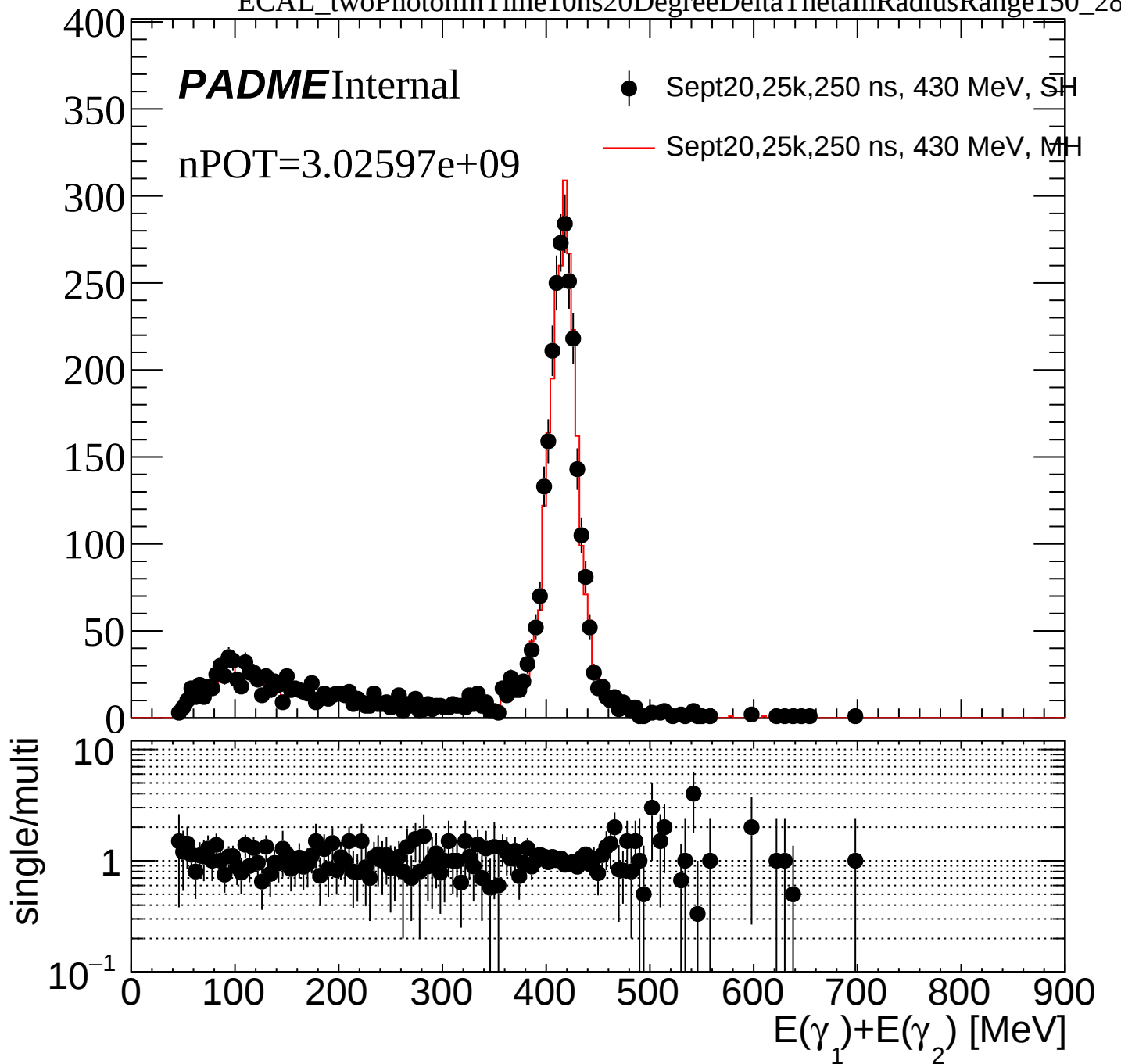


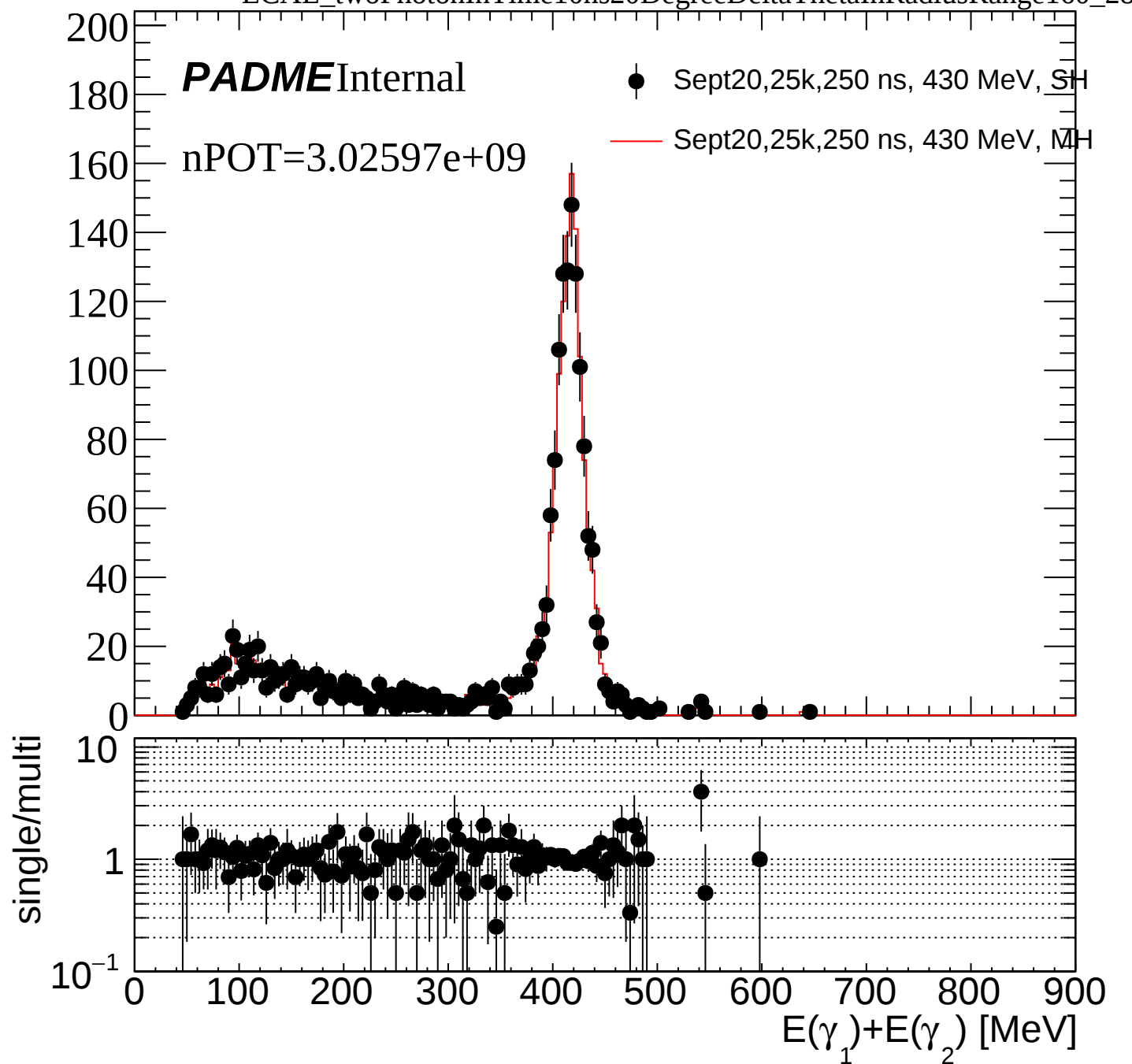


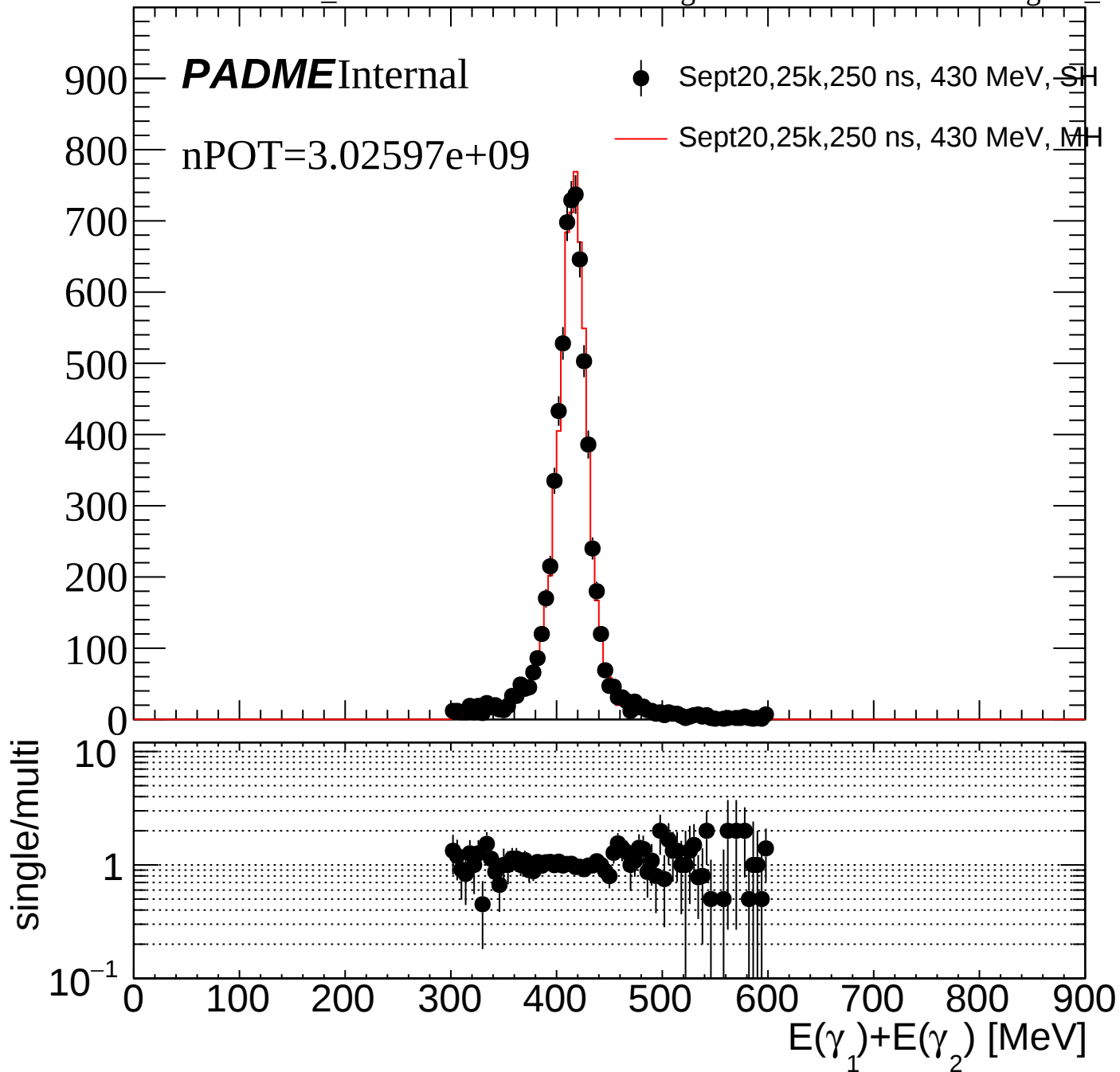


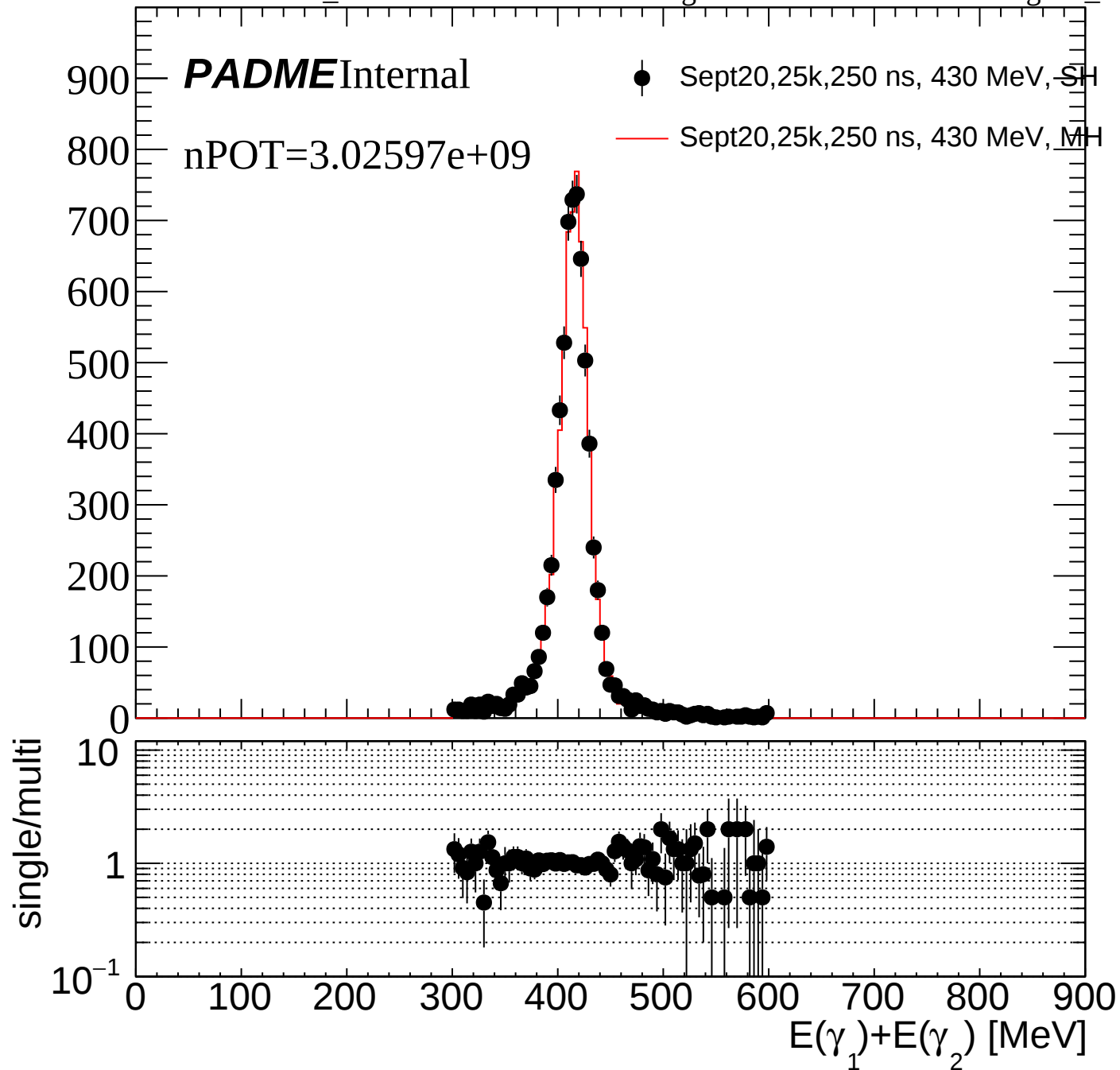


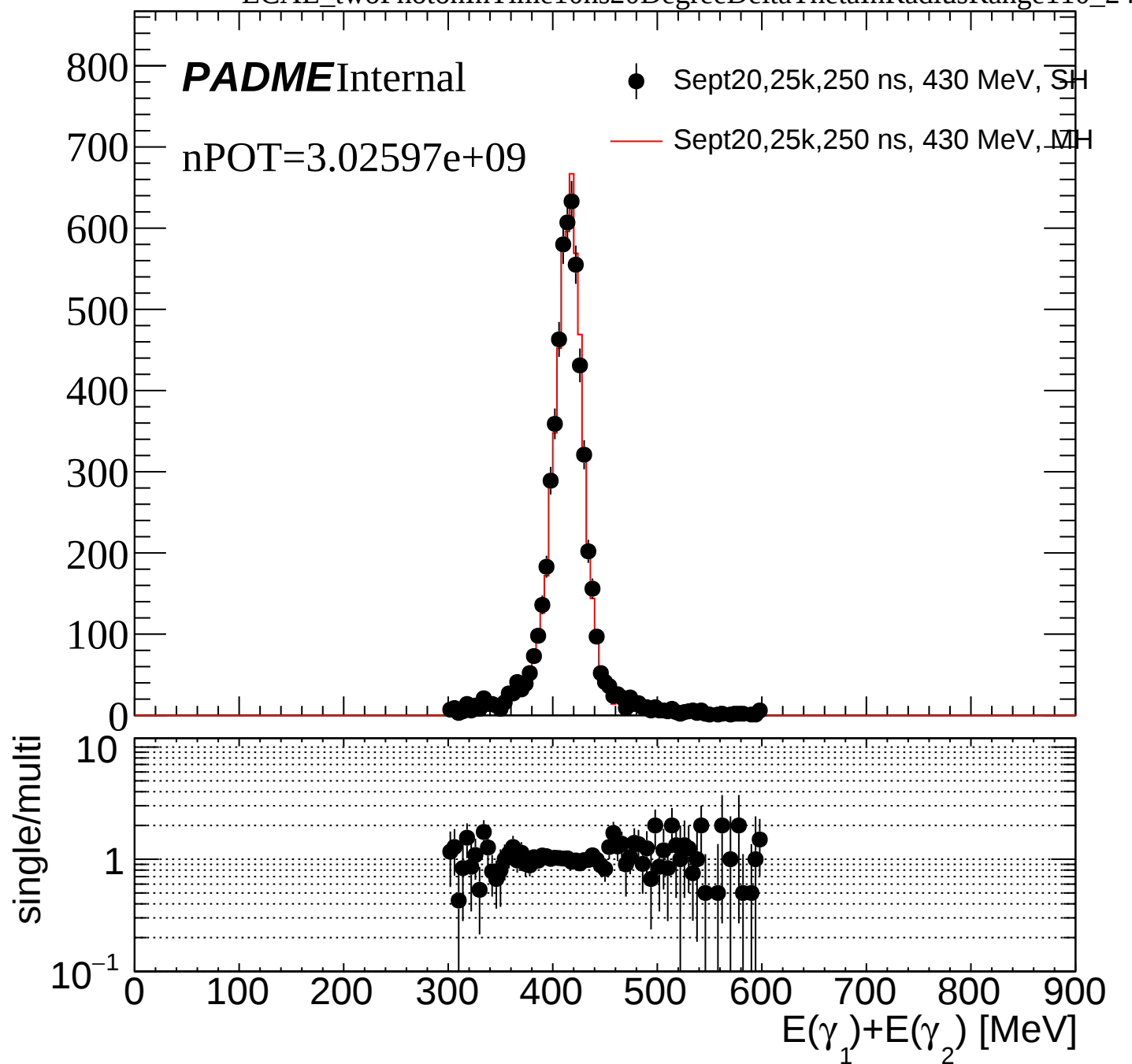


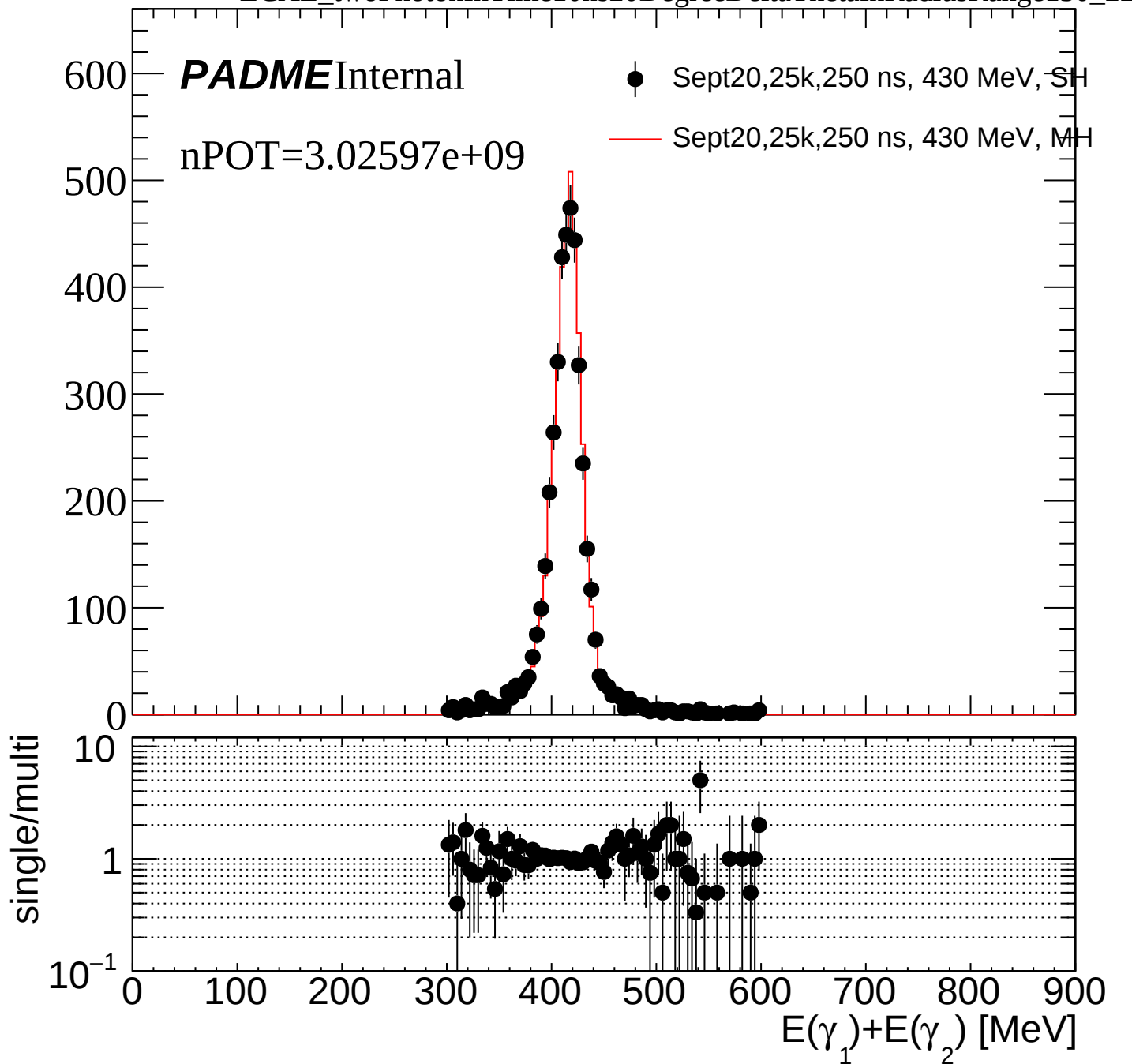


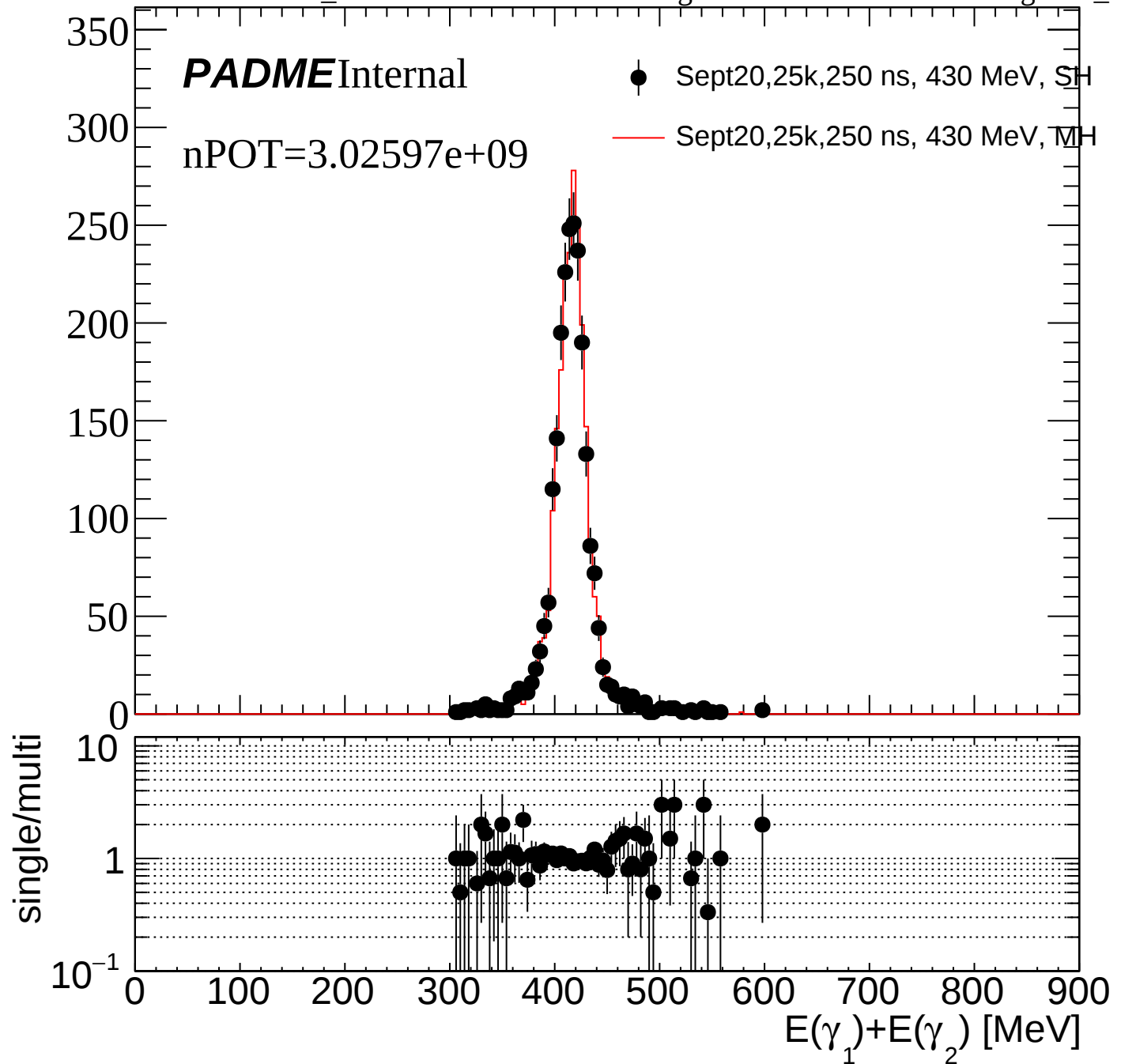


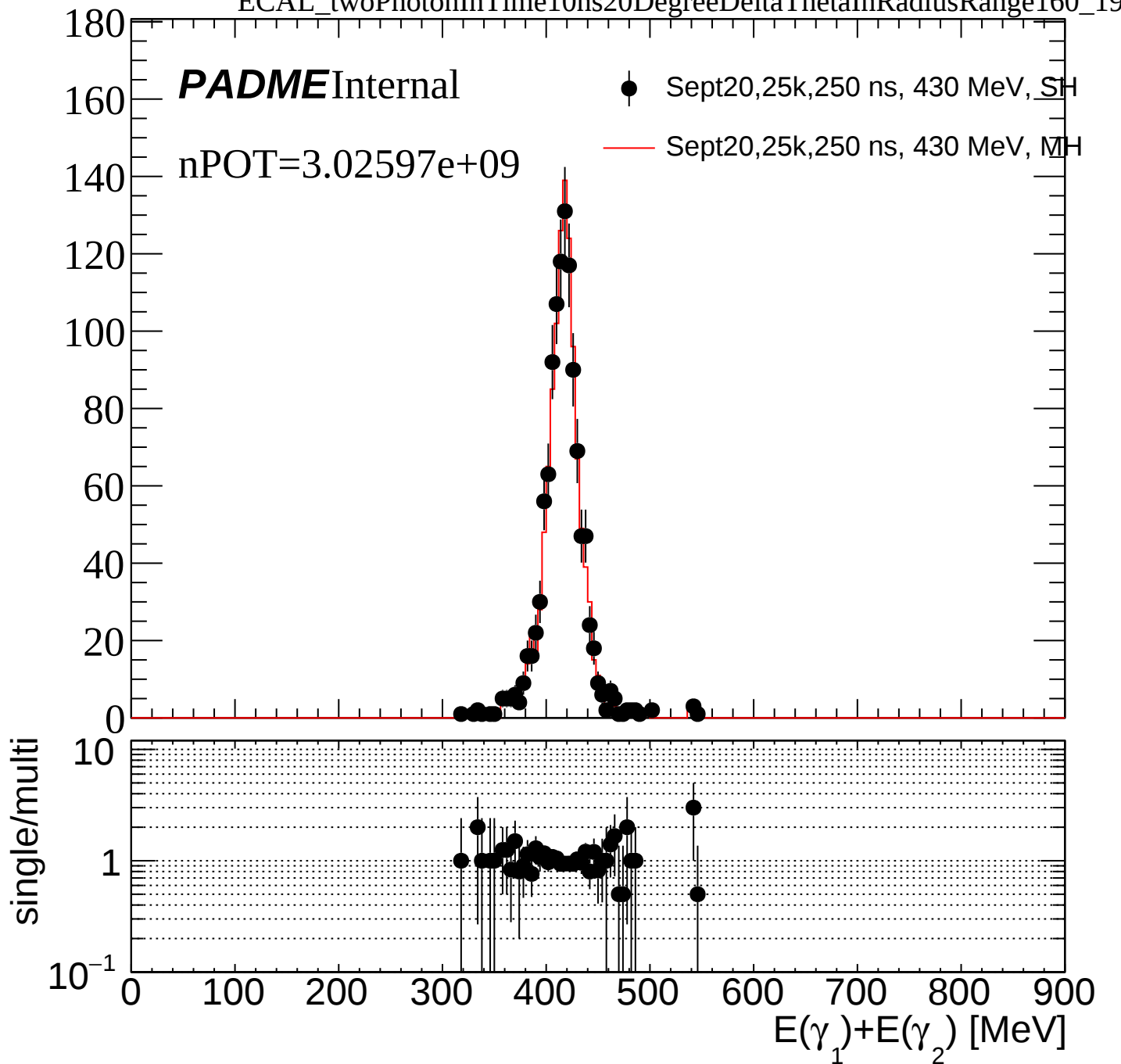


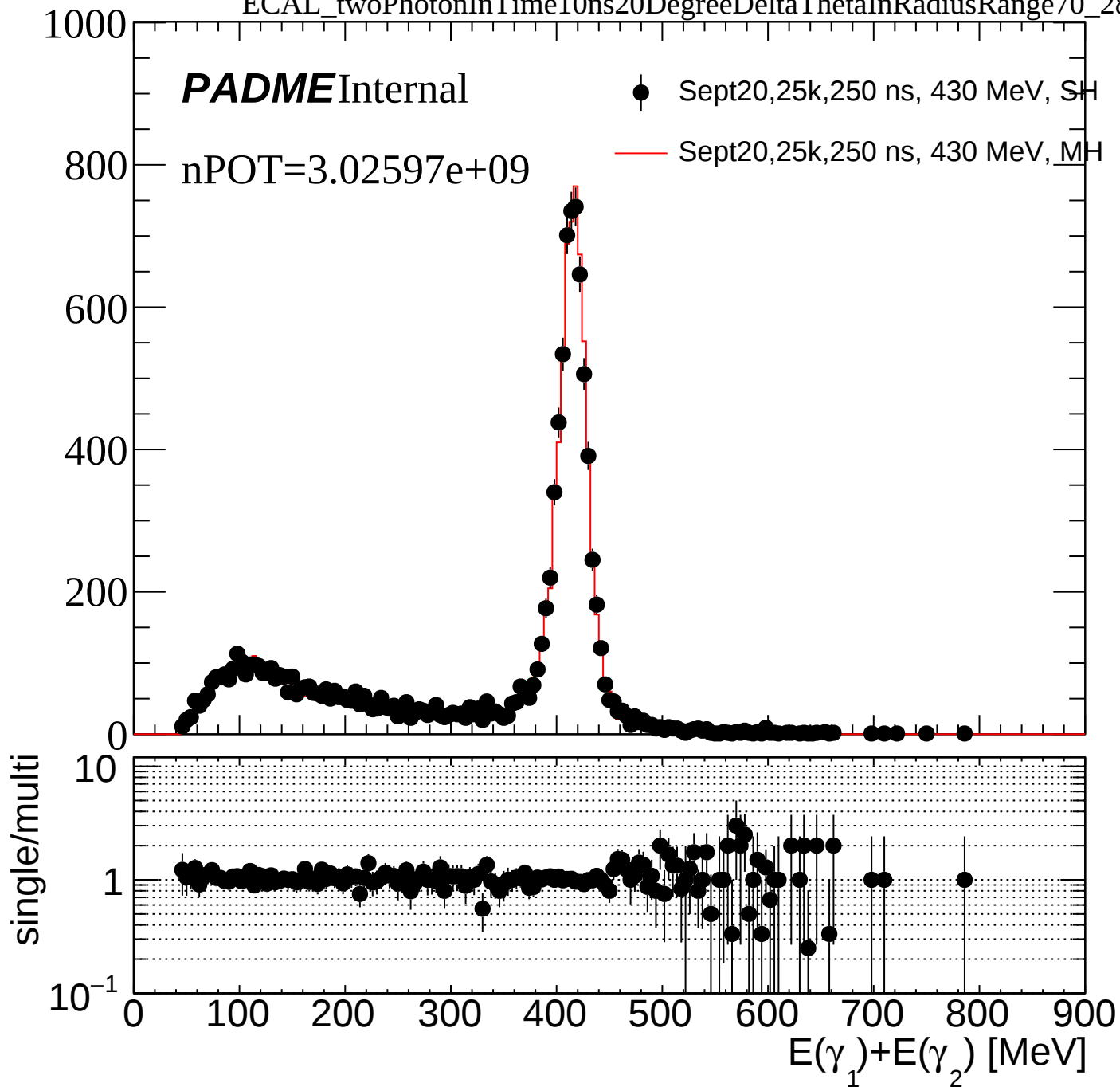


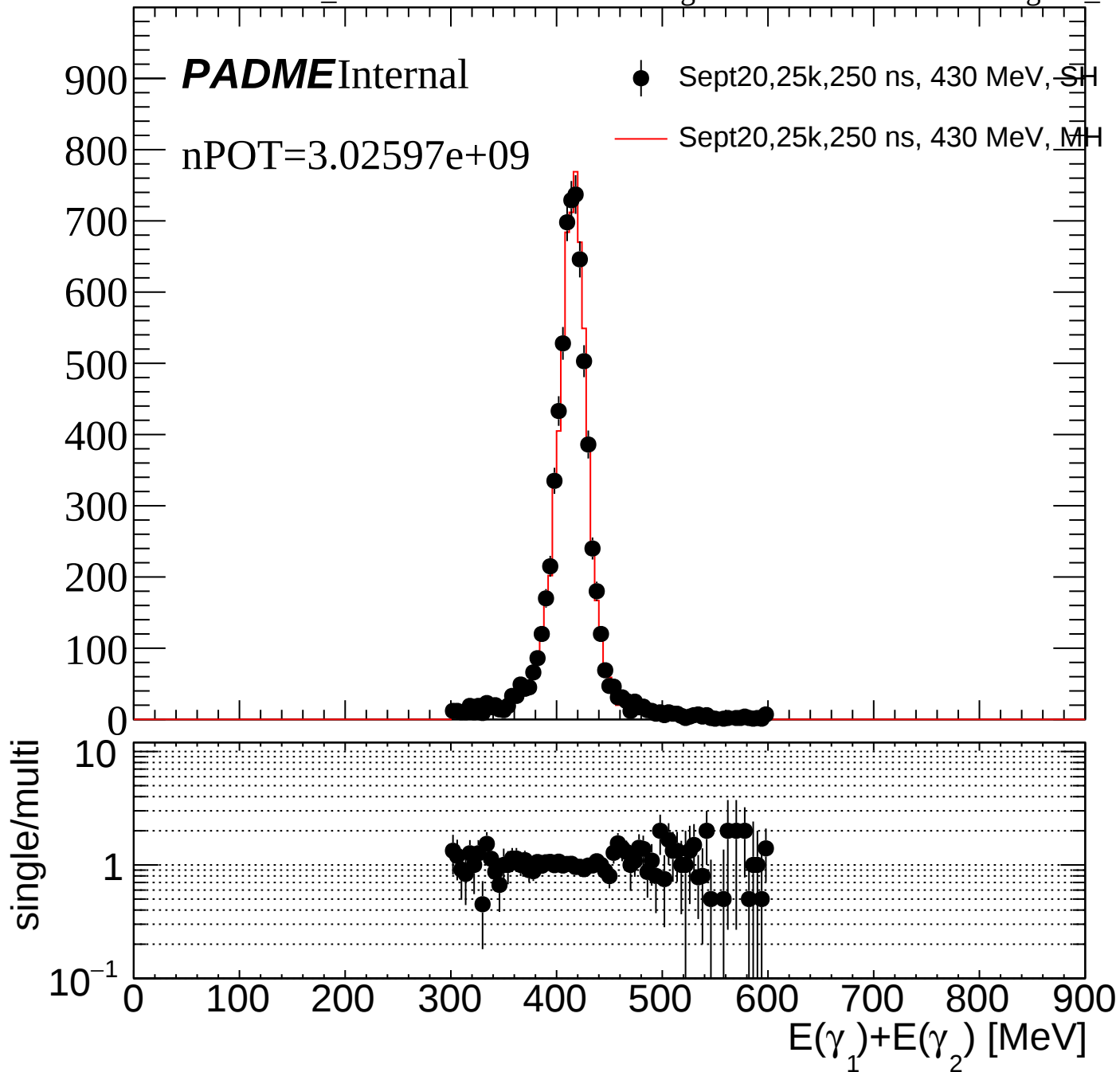


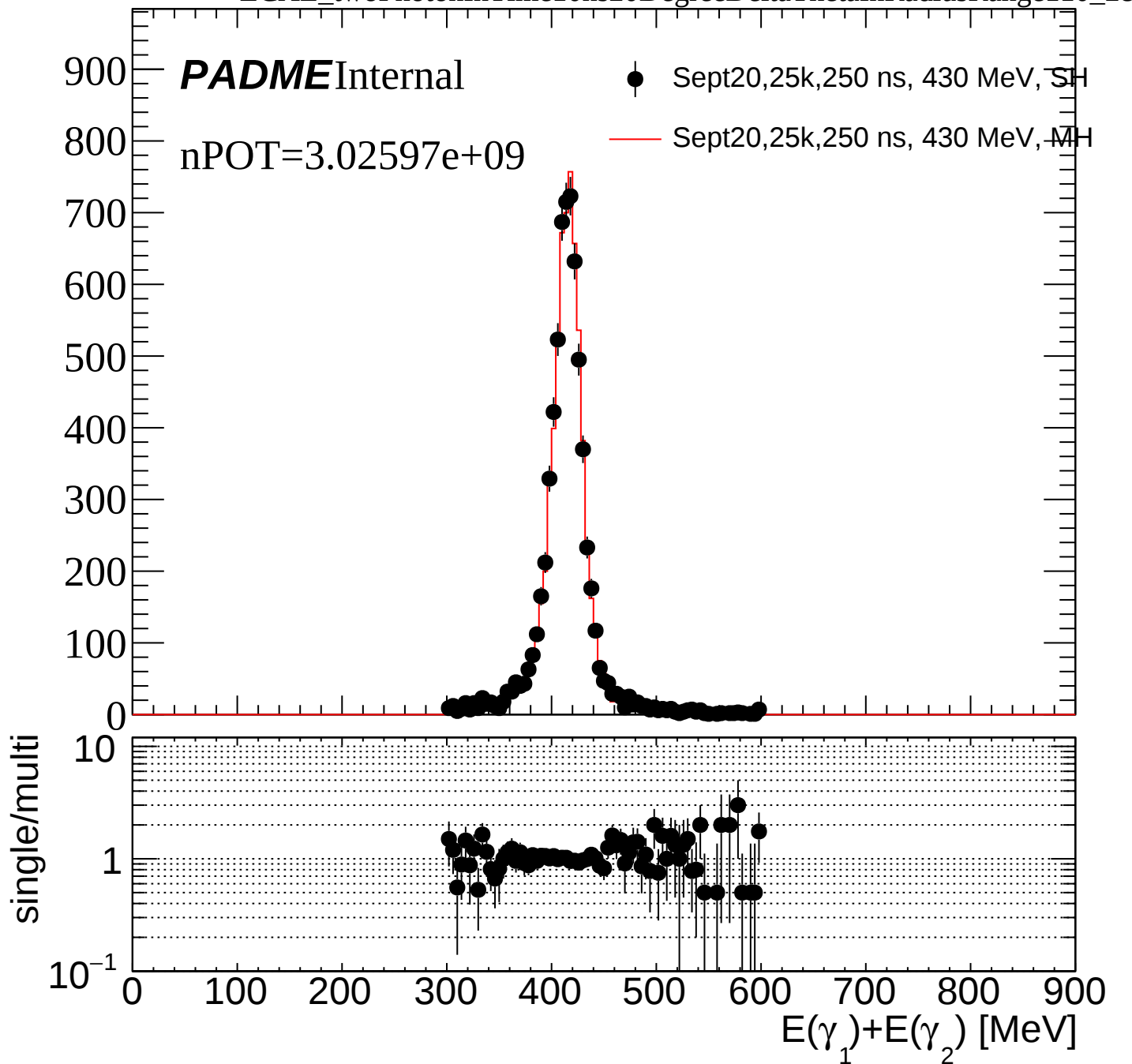


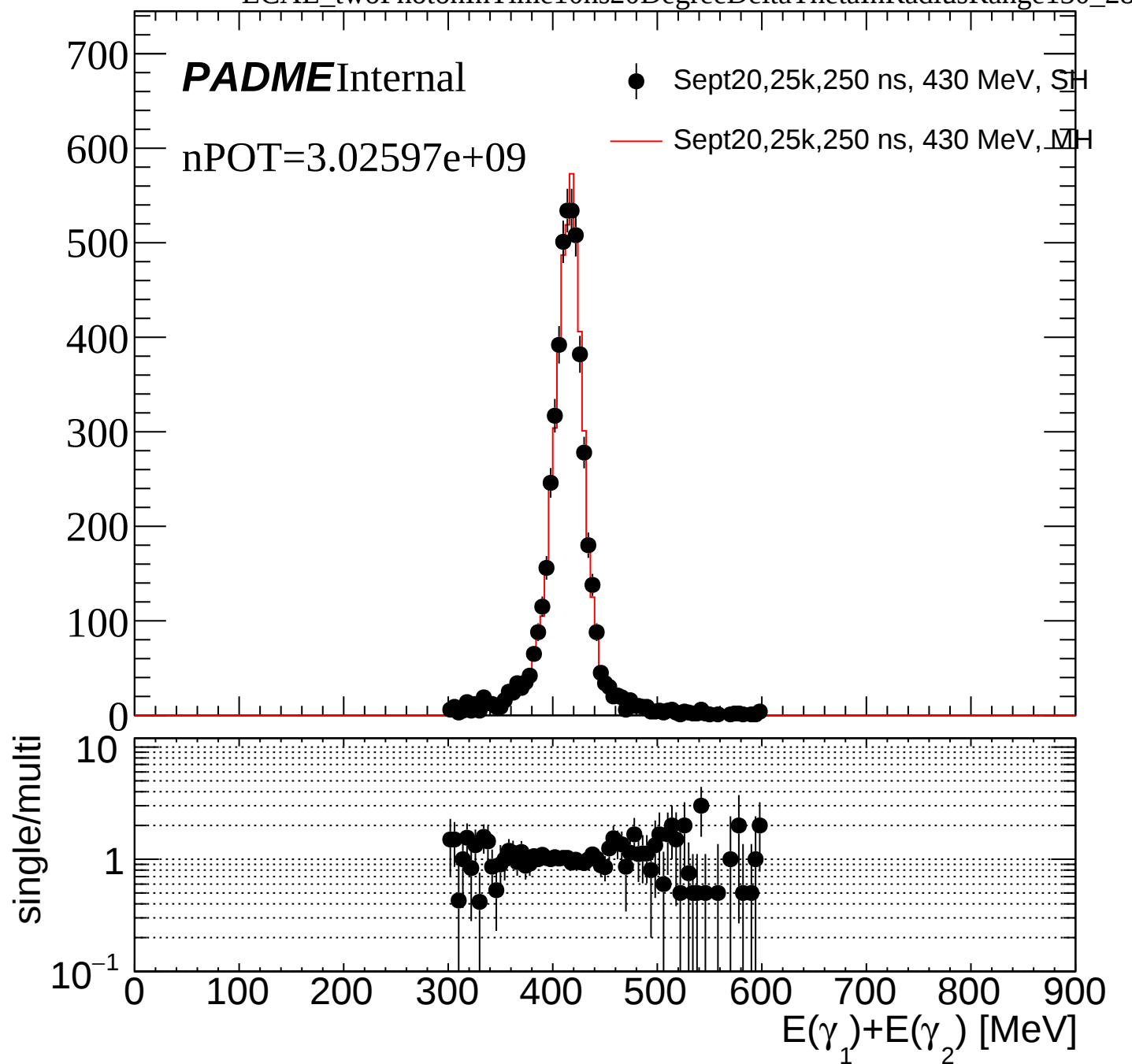


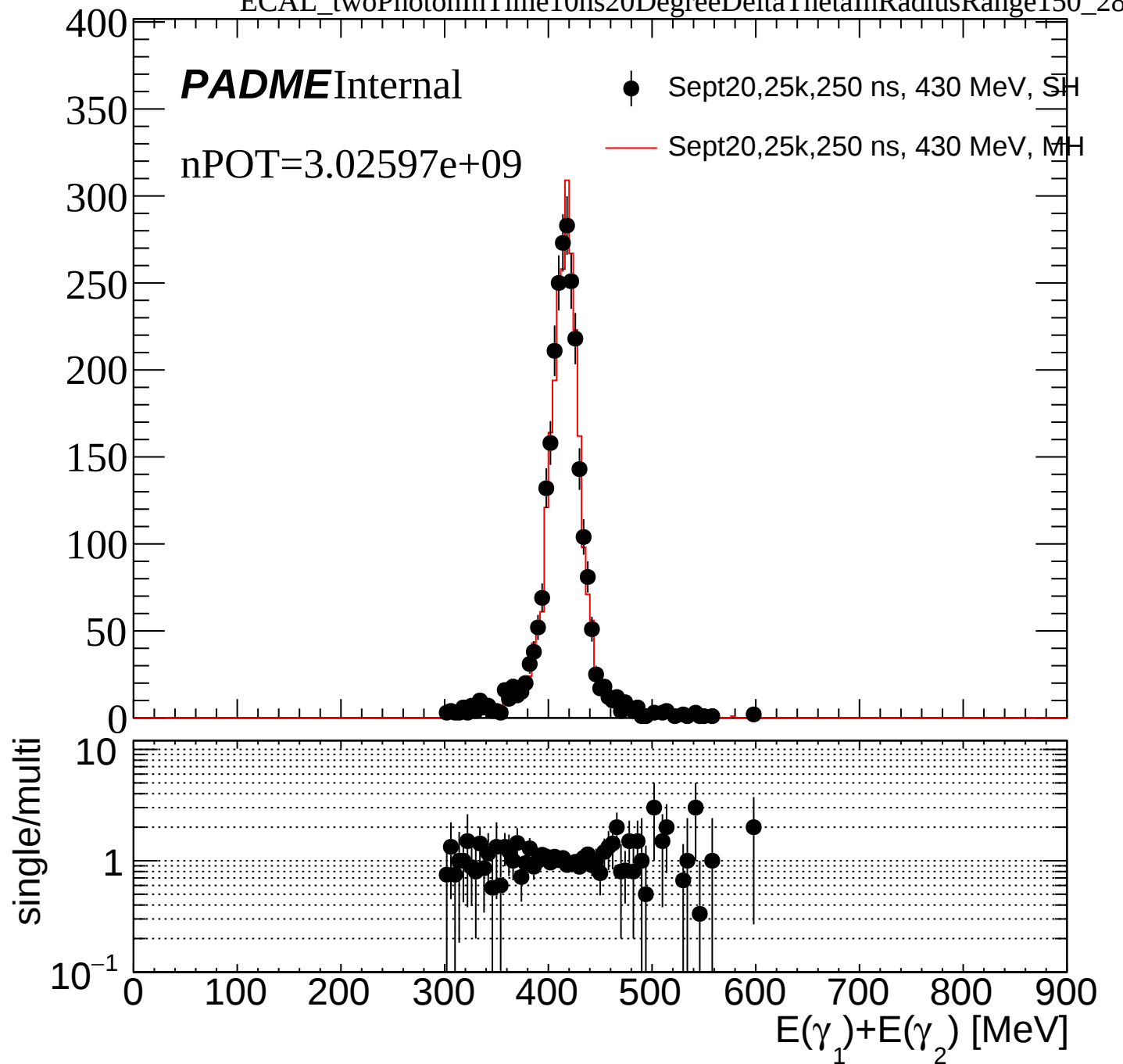


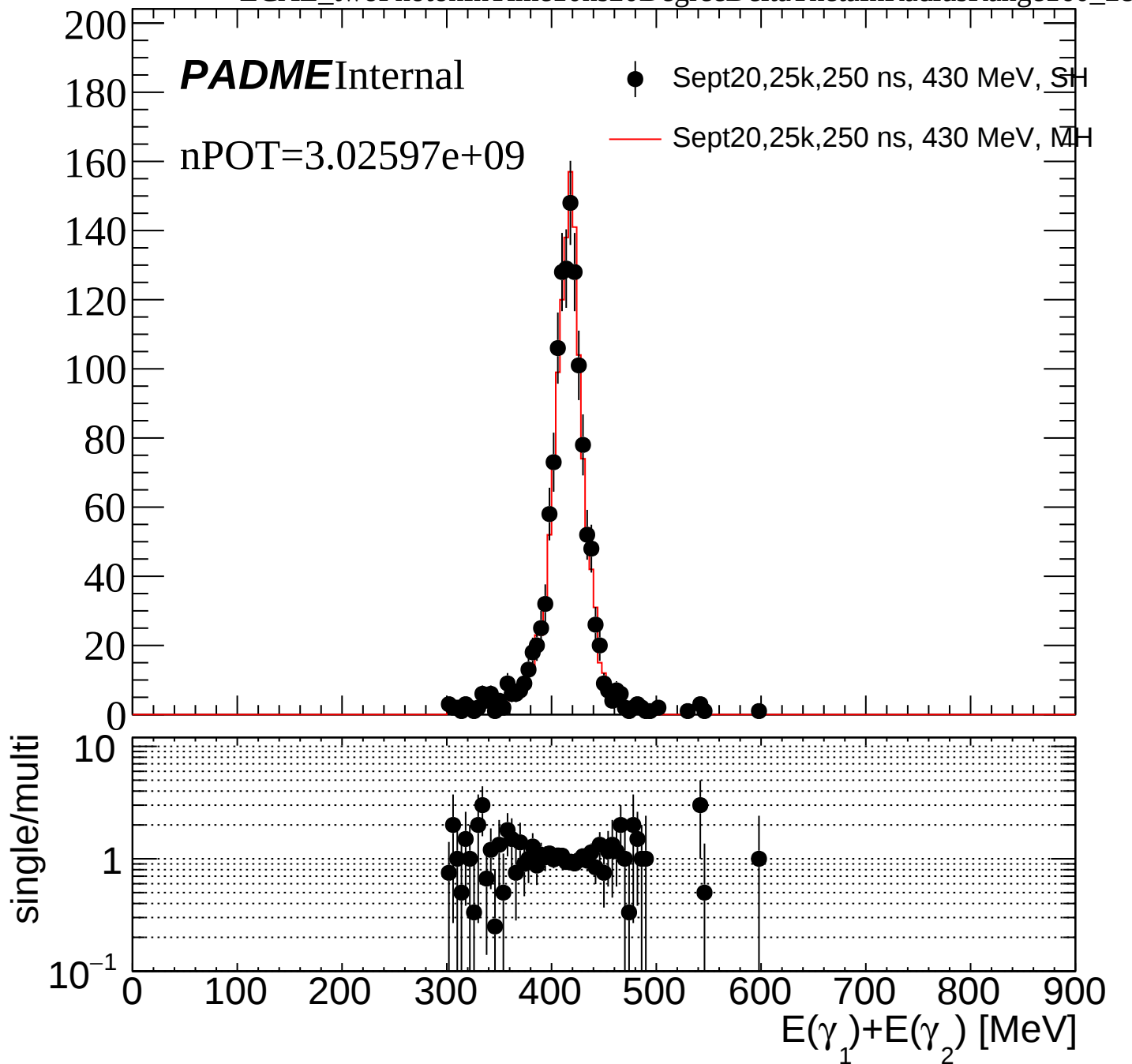


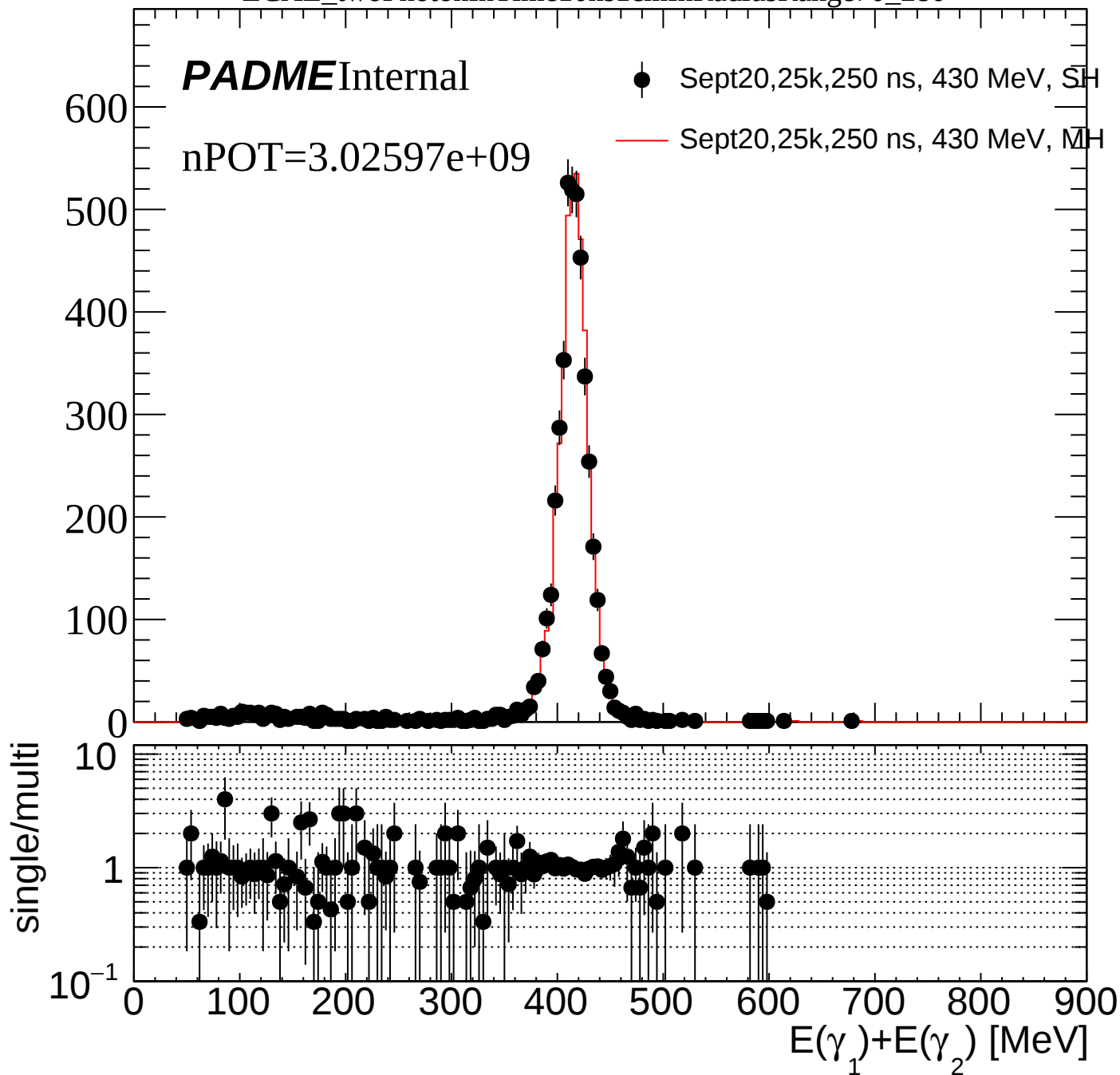


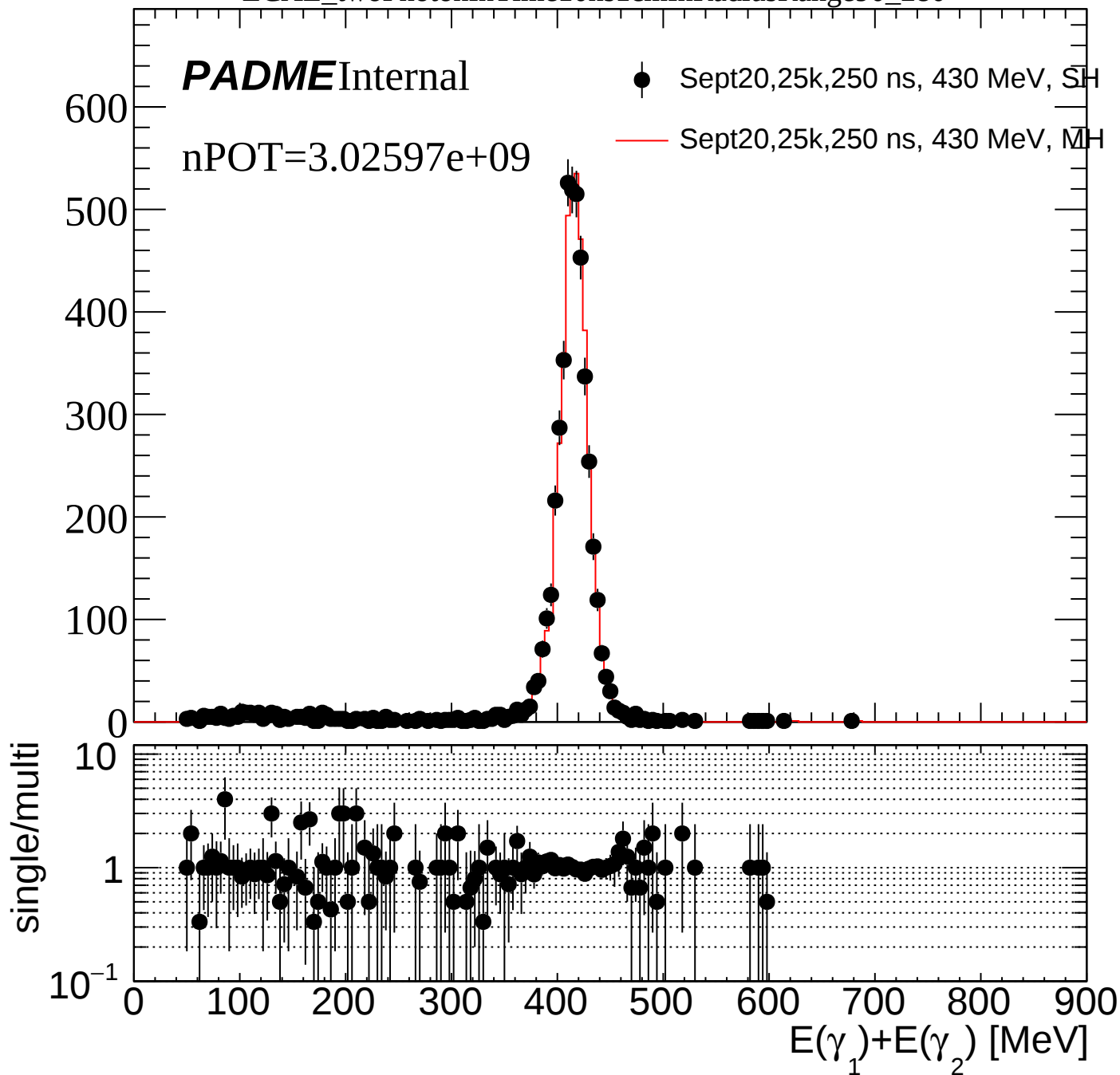


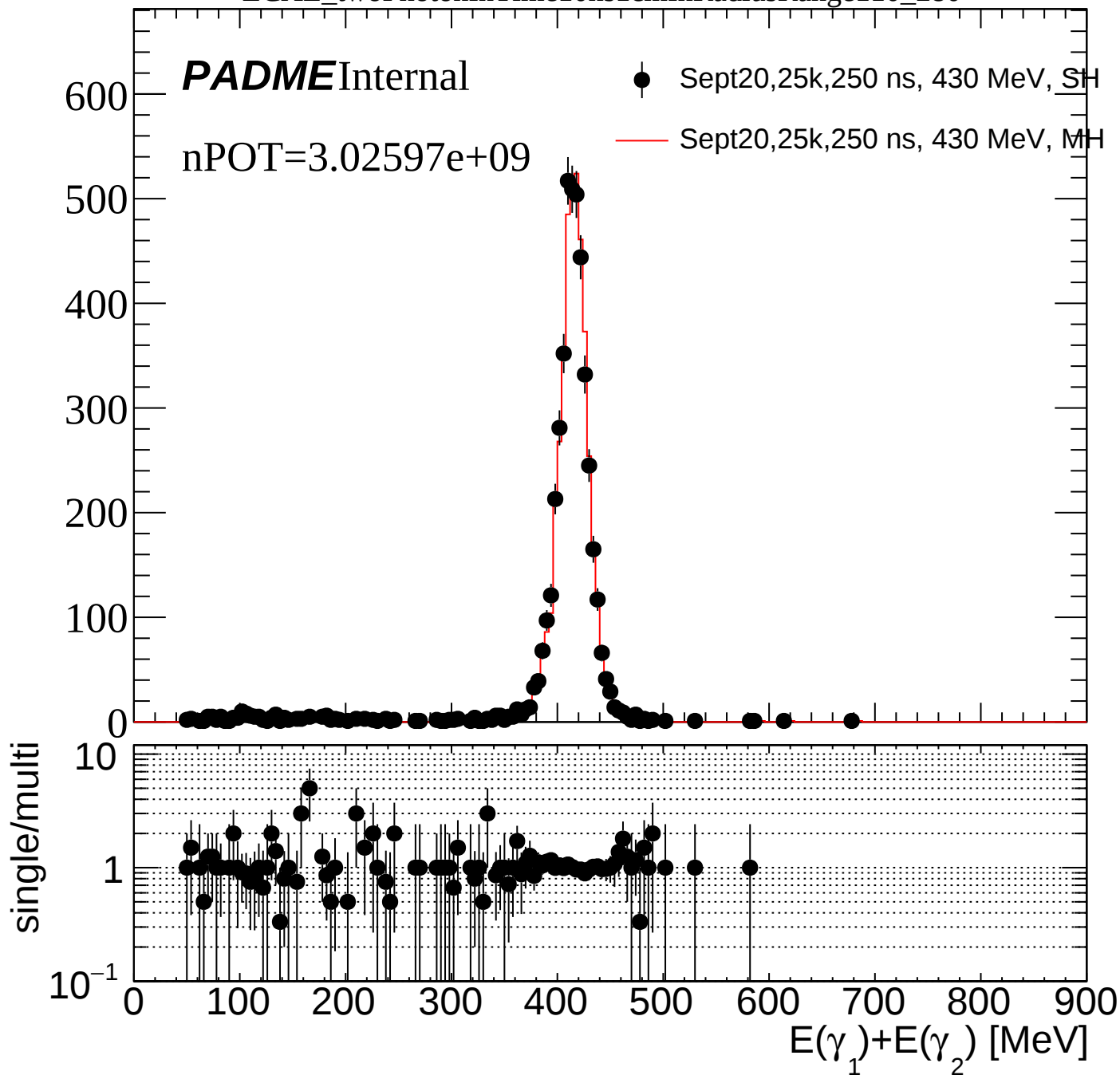


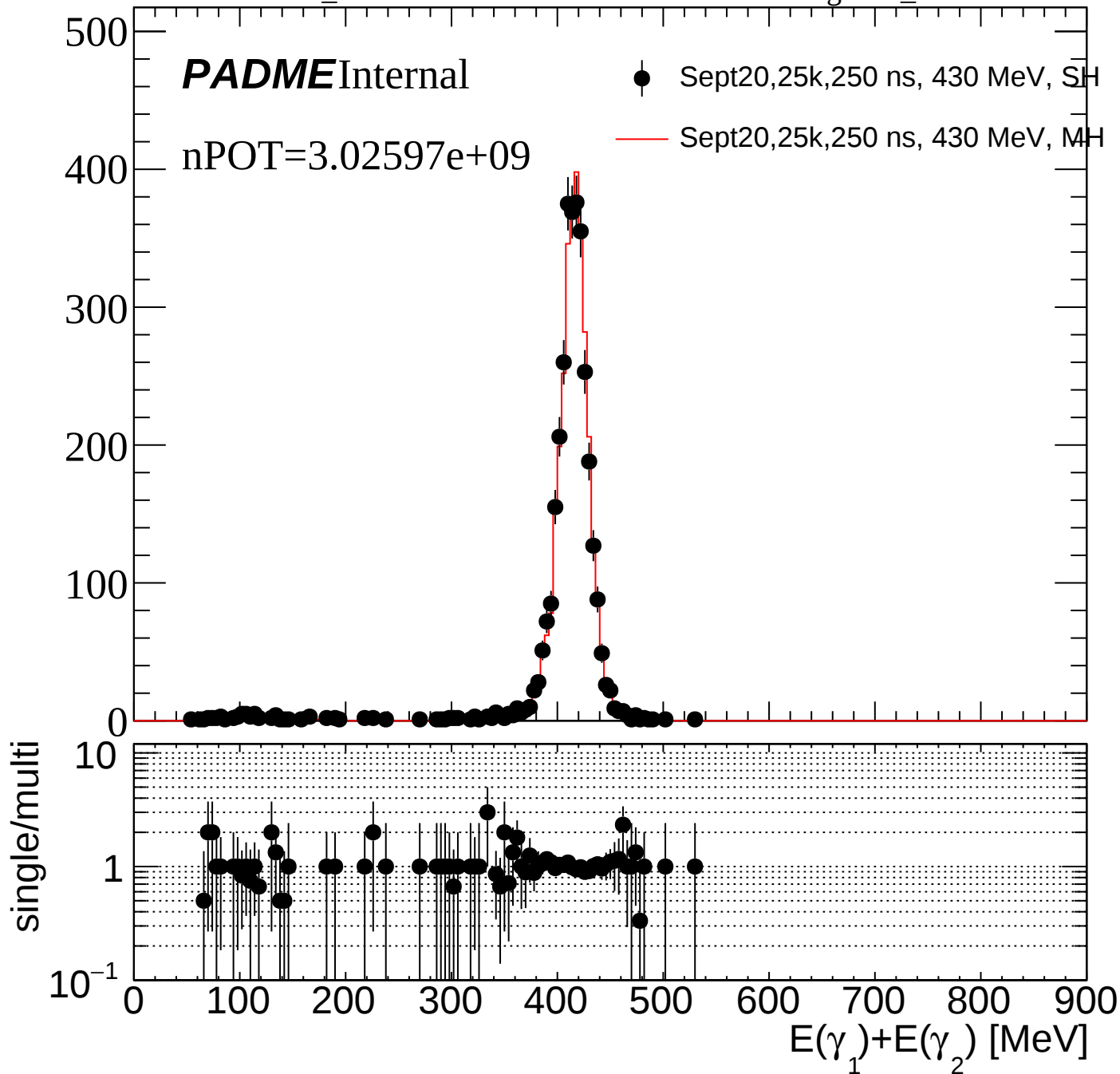


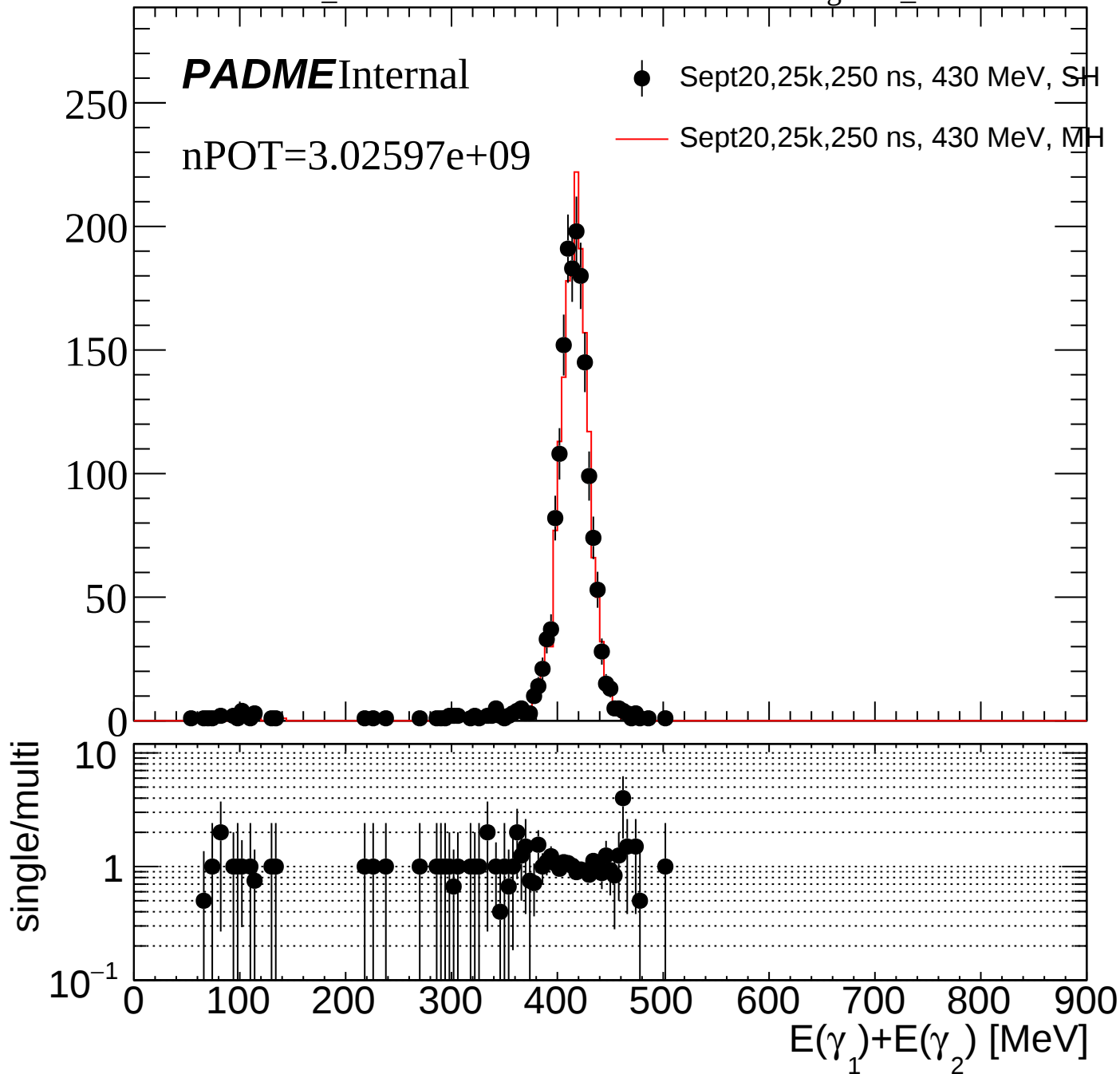


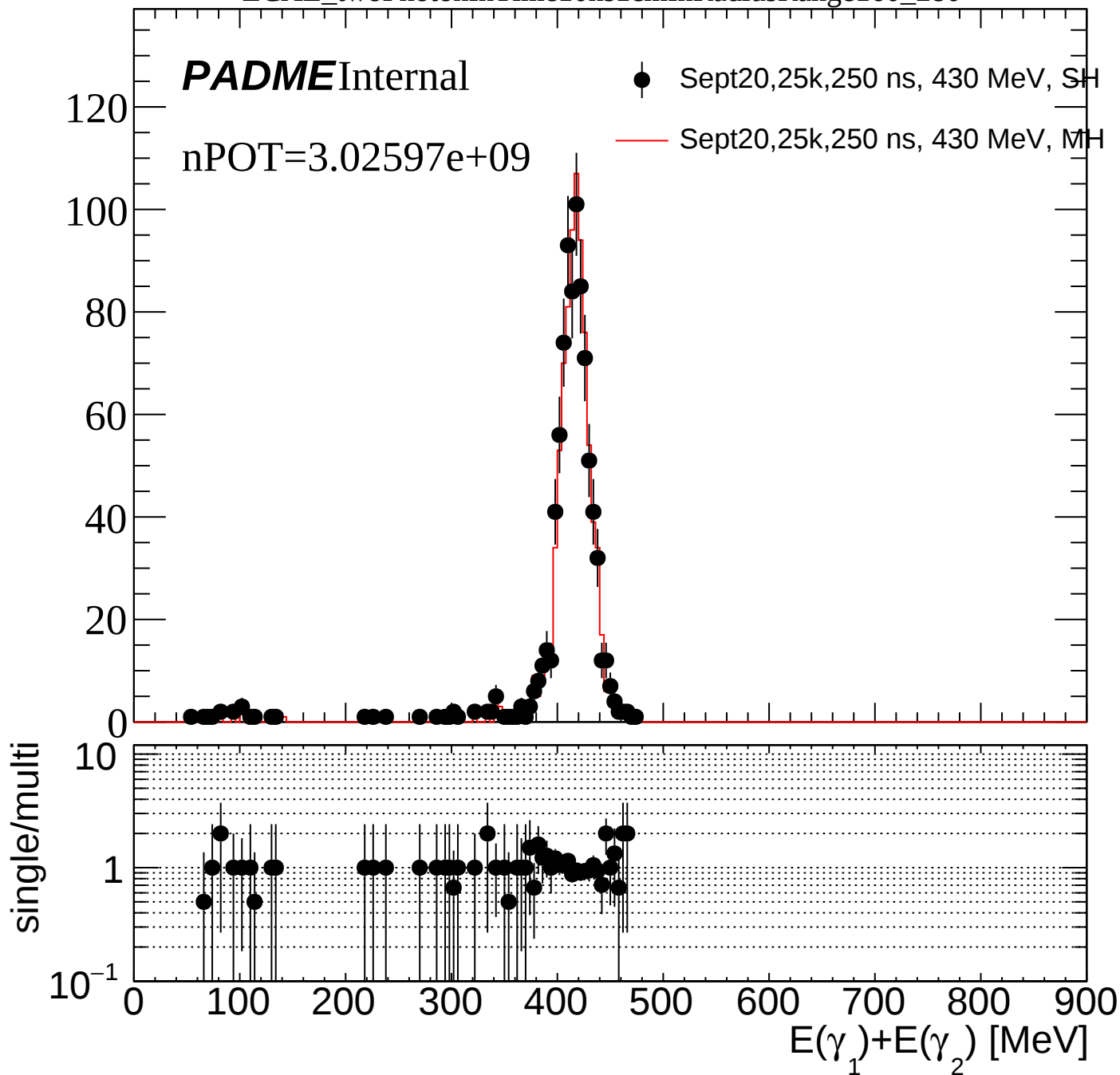


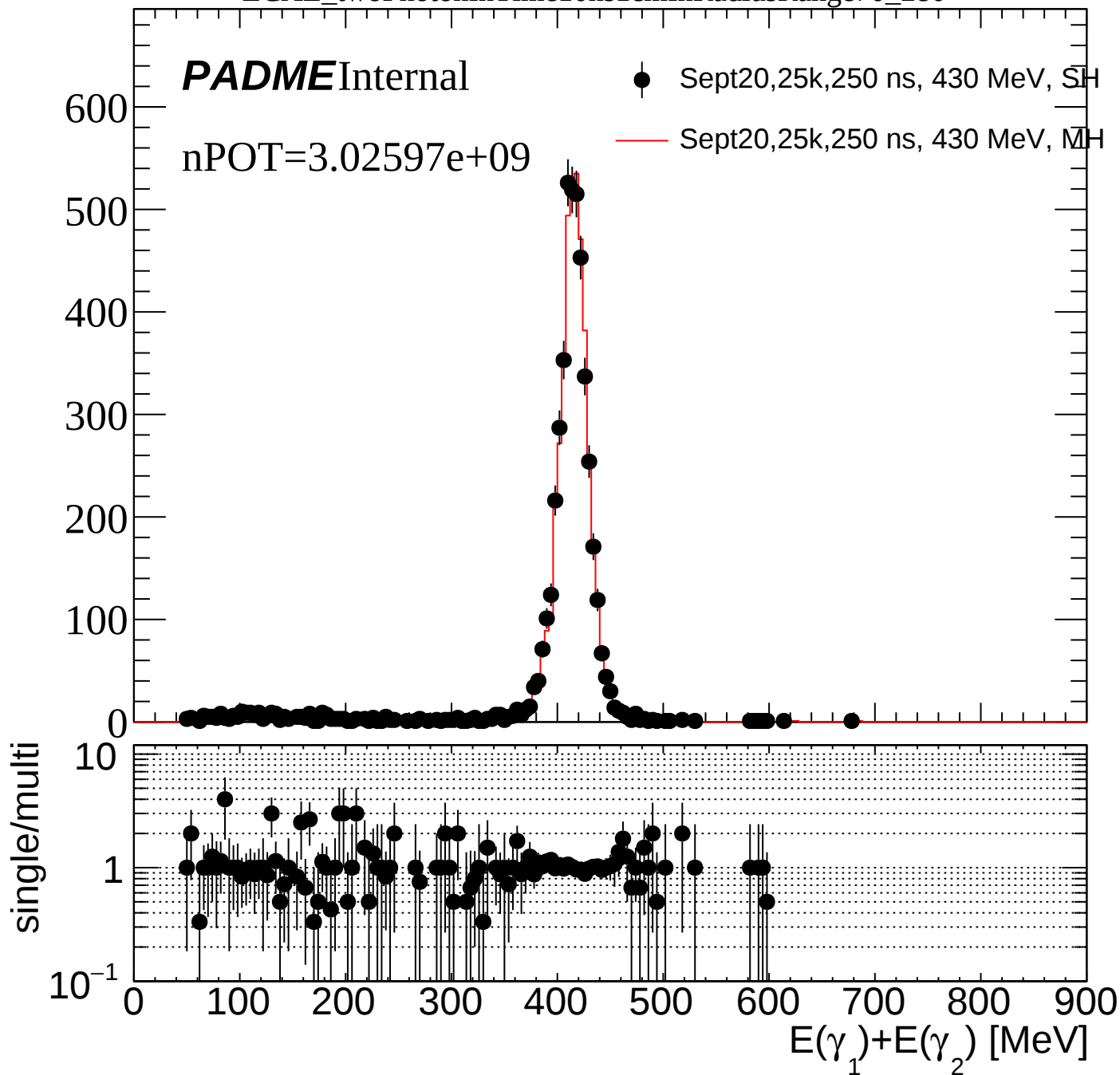


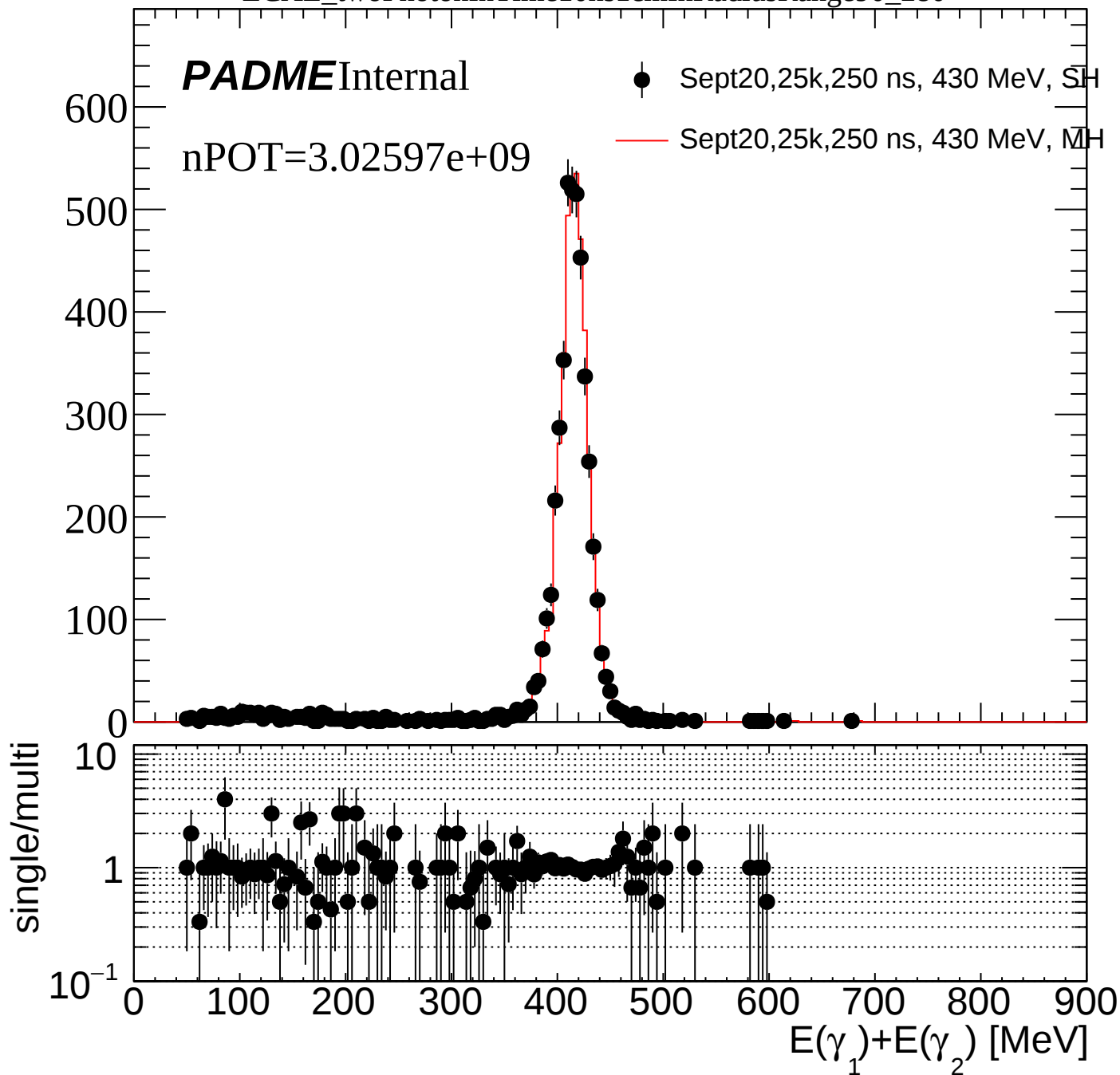


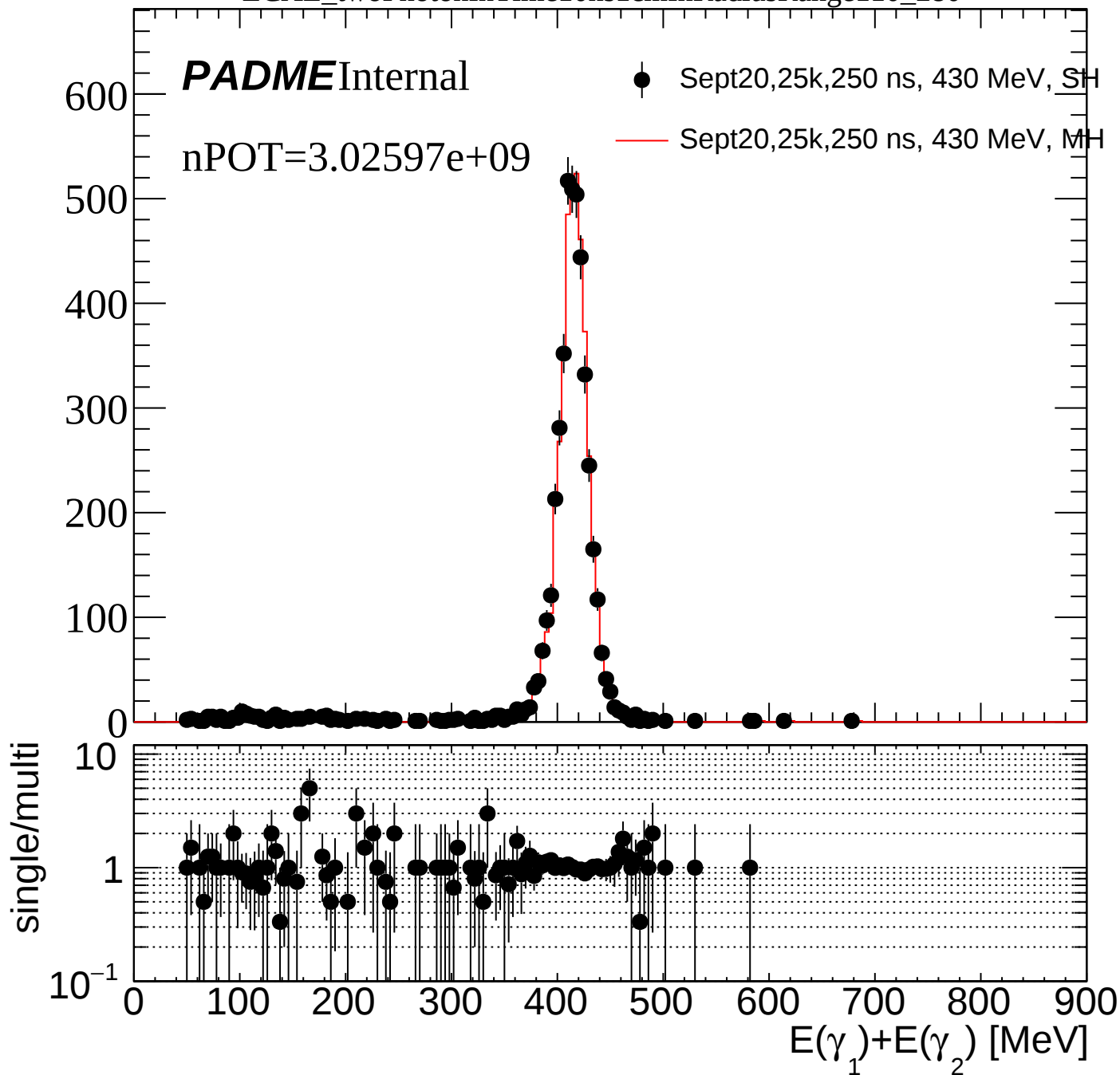


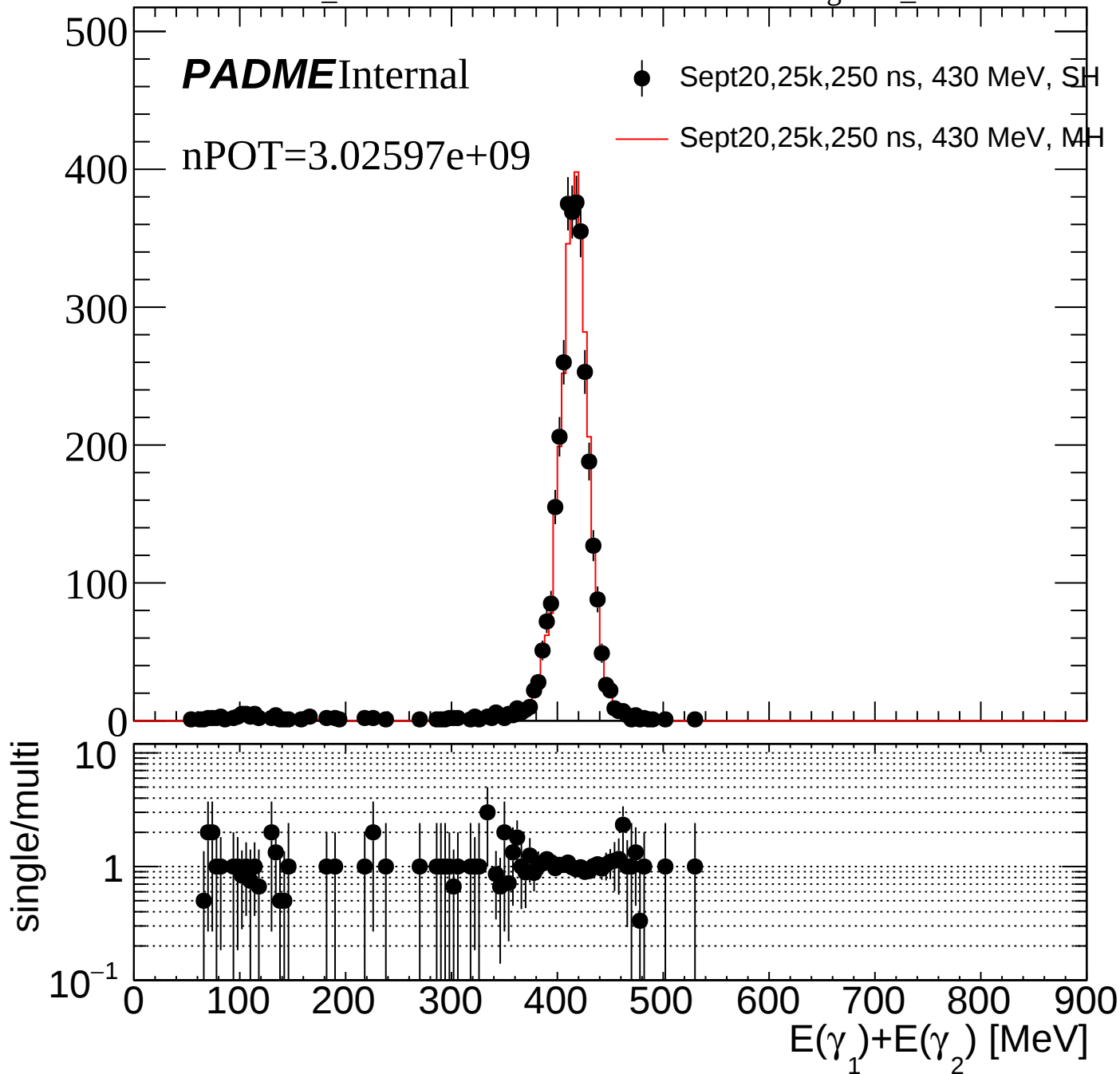


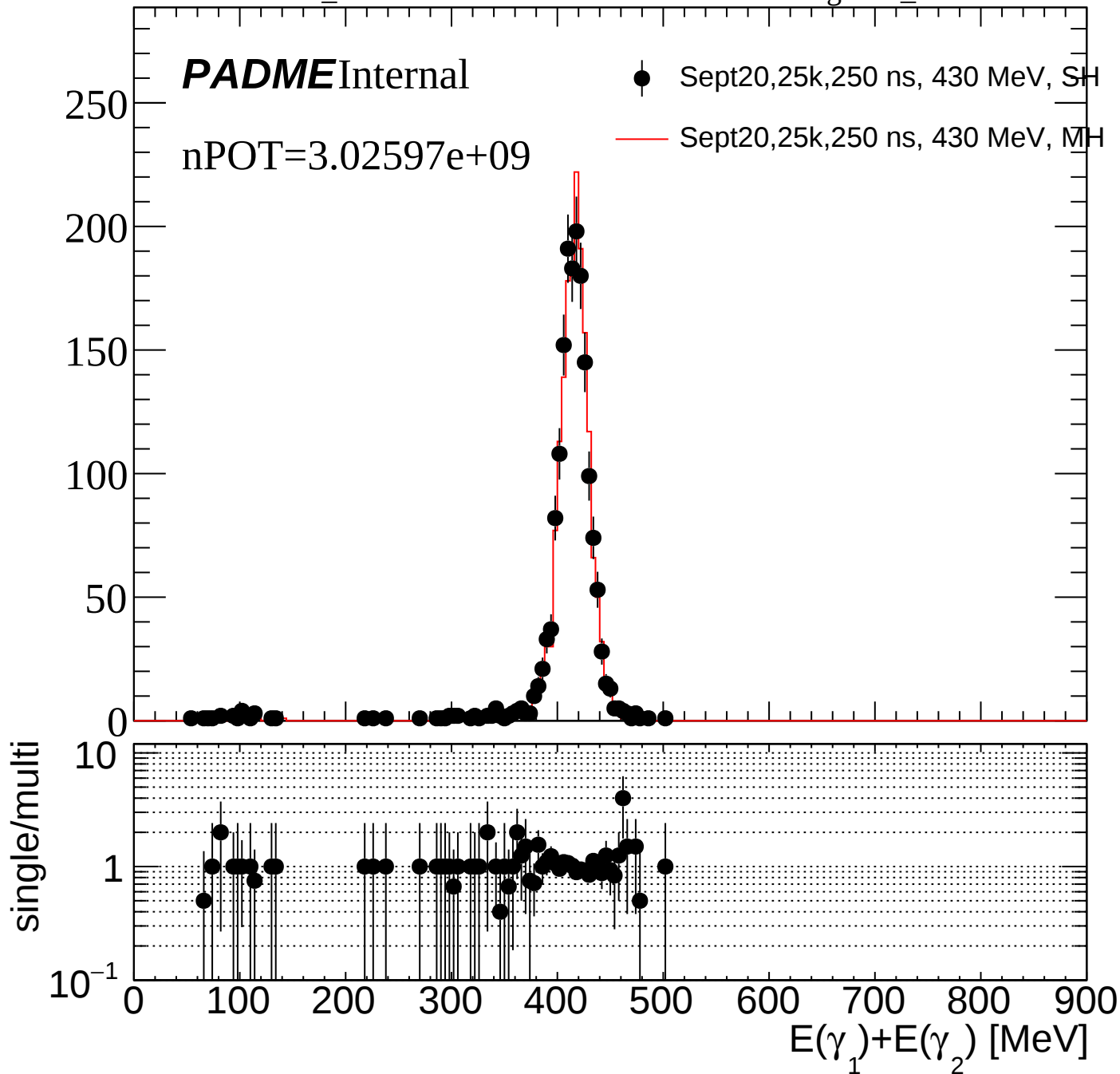


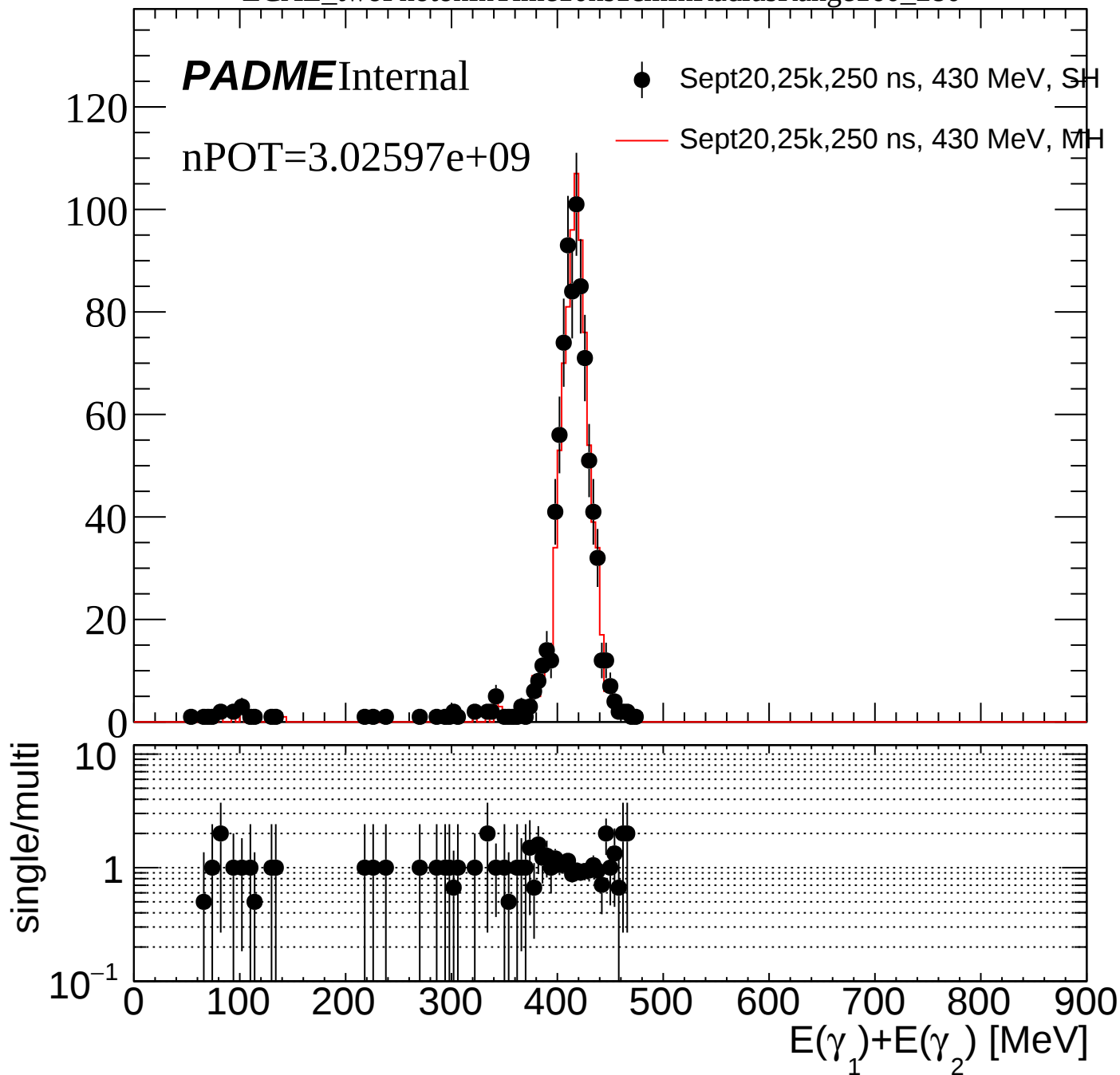












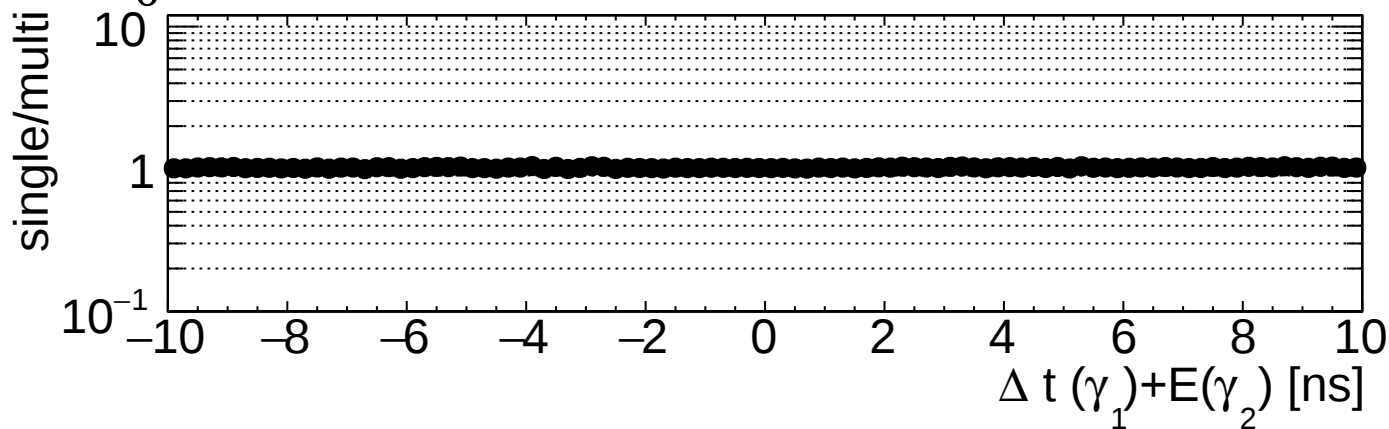
ECAL_dTime_10ns

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



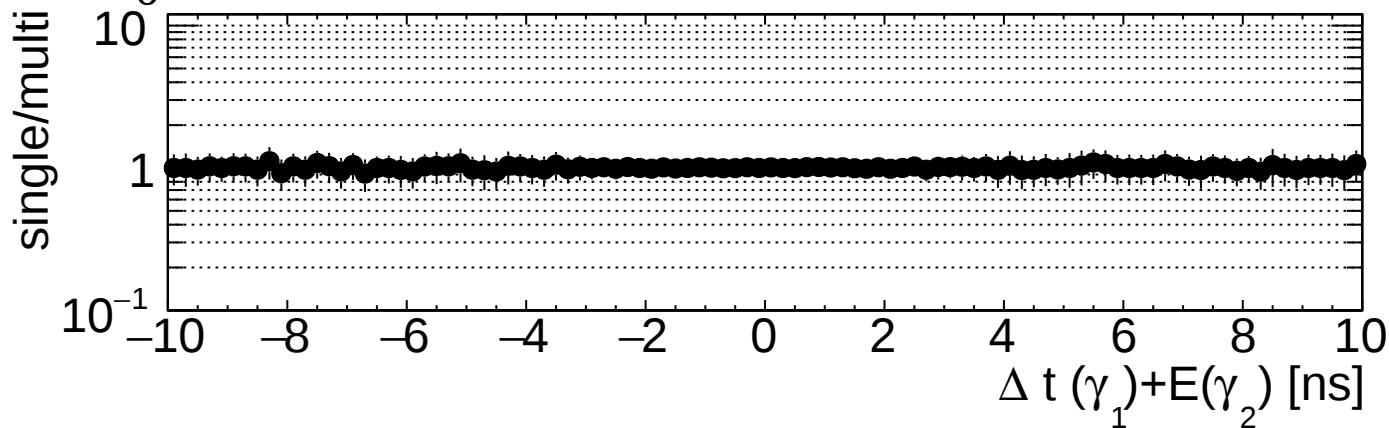
ECAL_dTime_10ns_UnderPeakEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



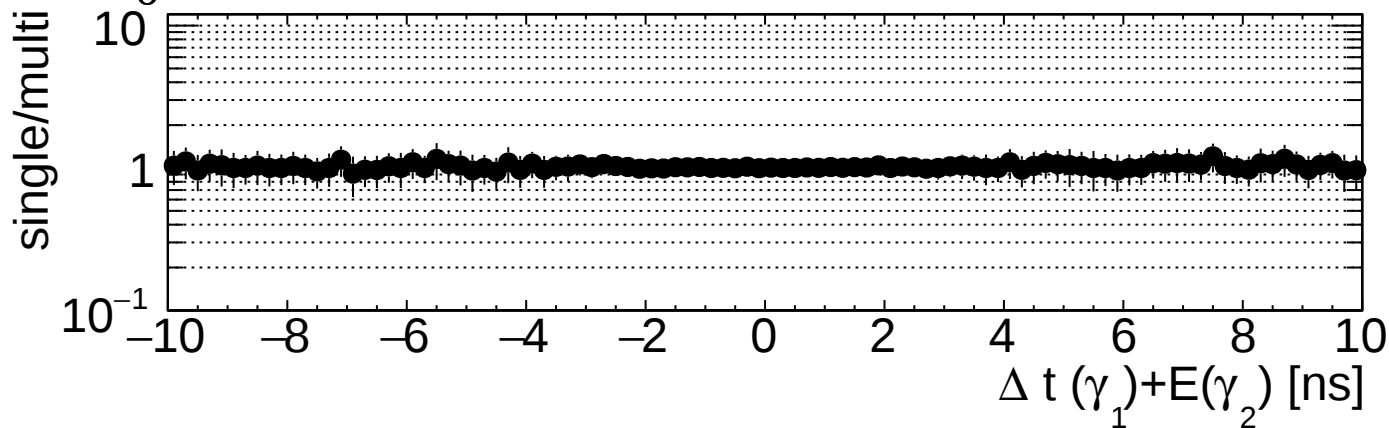
ECAL_dTime_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90

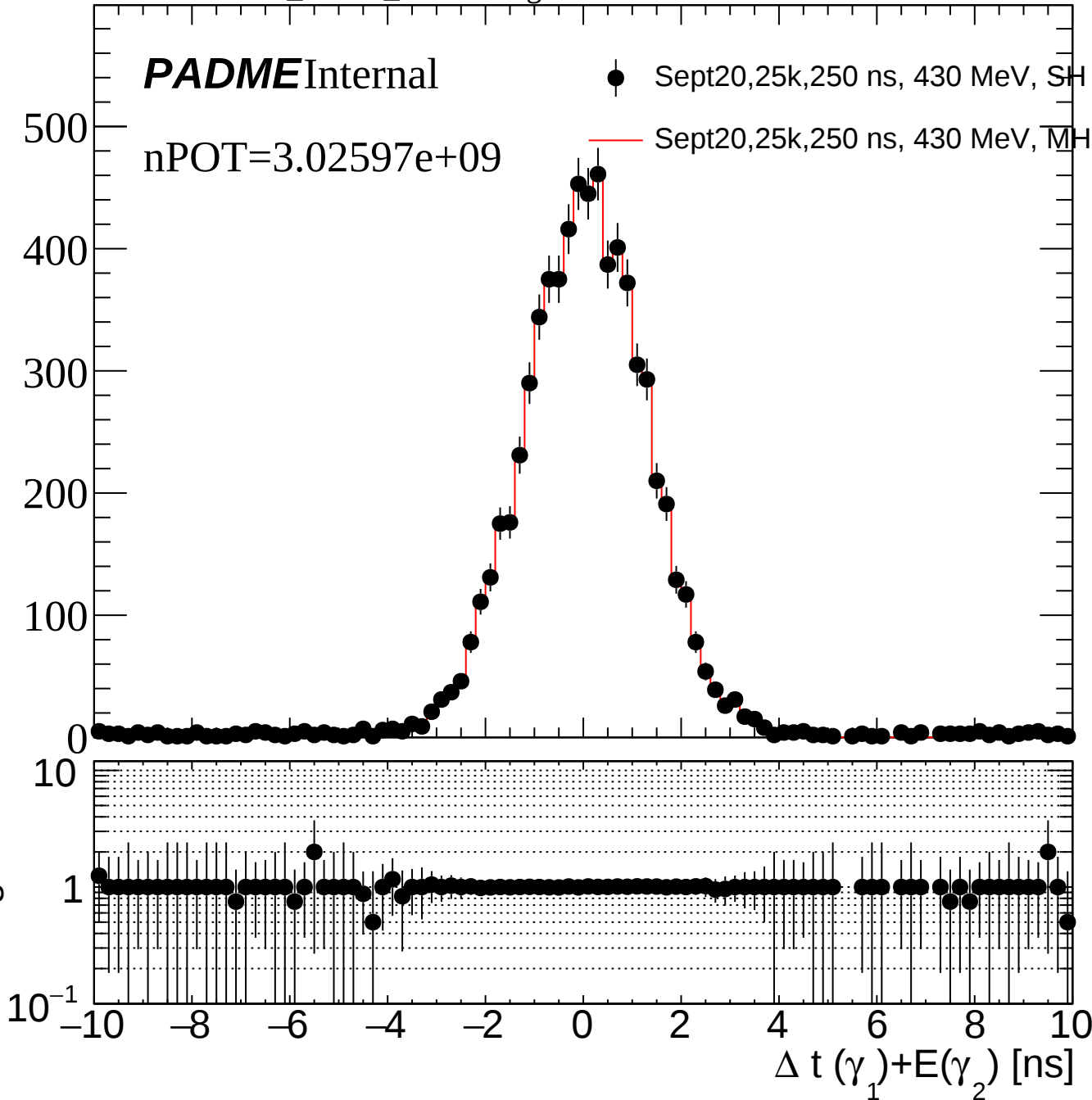
PADMEInternal

nPOT=3.02597e+09

Sept20,25k,250 ns, 430 MeV, SH

Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_dTime_10ns5DegreeDeltaTheta

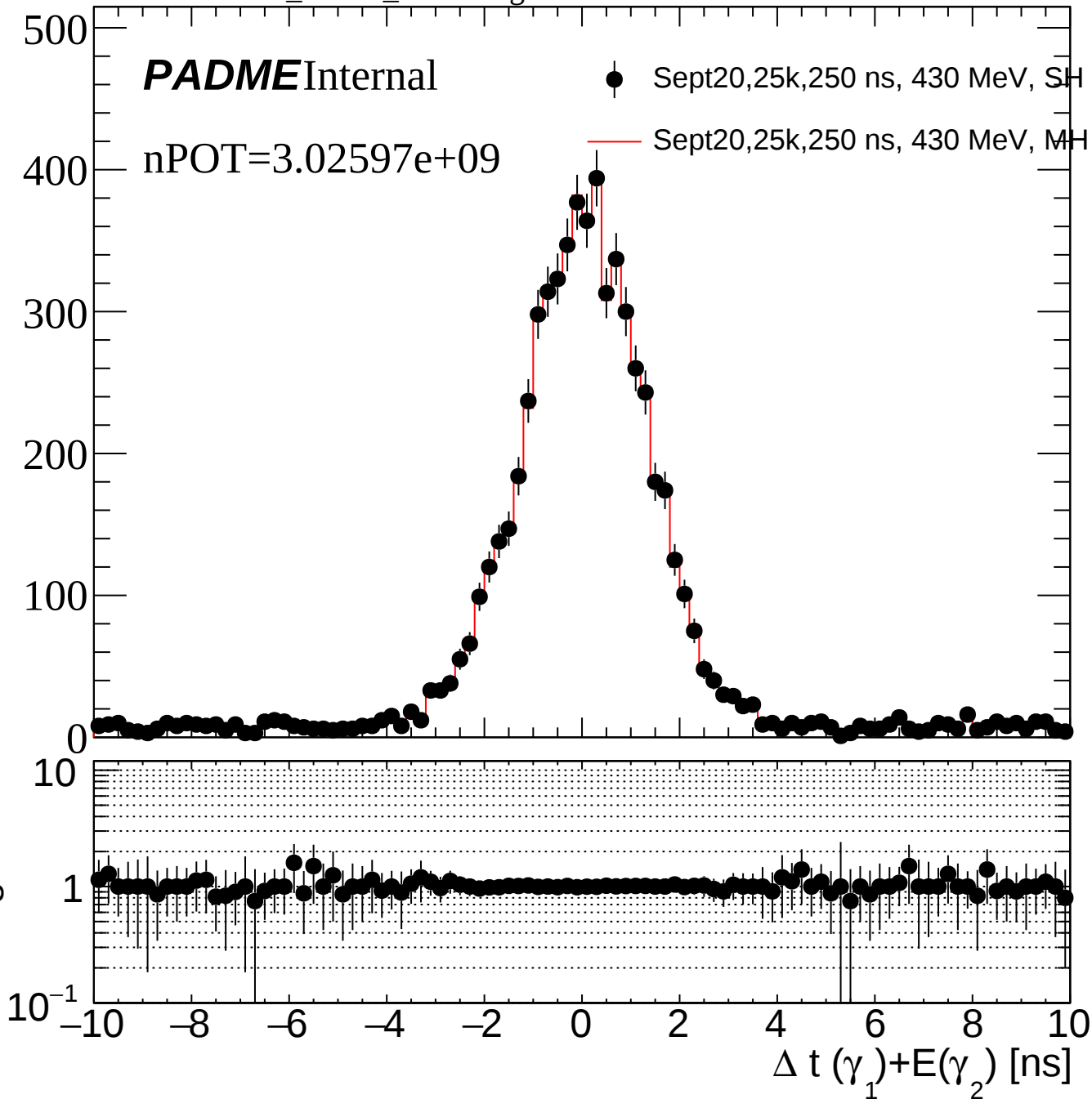
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

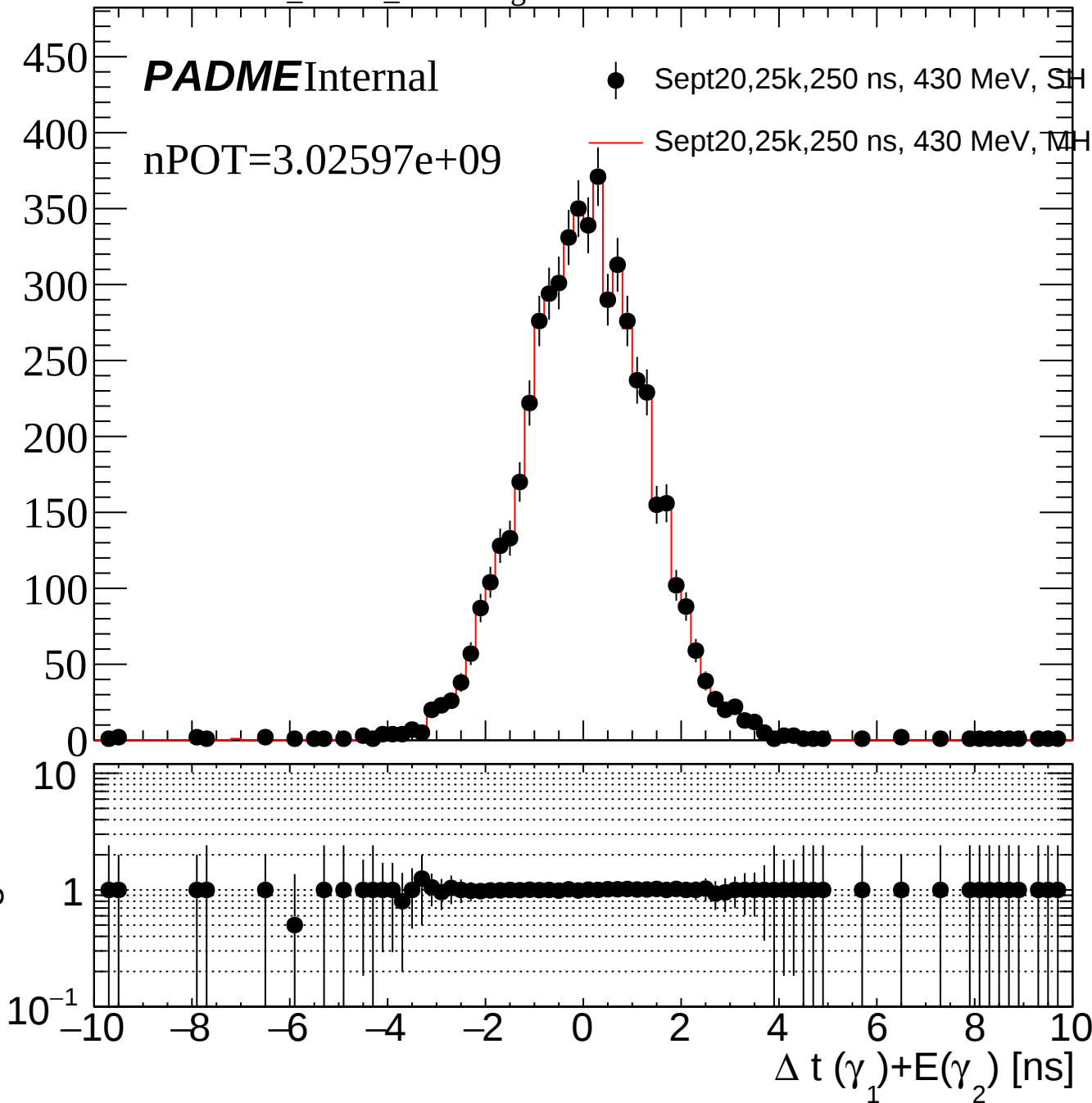
PADMEInternal

nPOT=3.02597e+09

Sept20,25k,250 ns, 430 MeV, SH

Sept20,25k,250 ns, 430 MeV, TH

single/multi



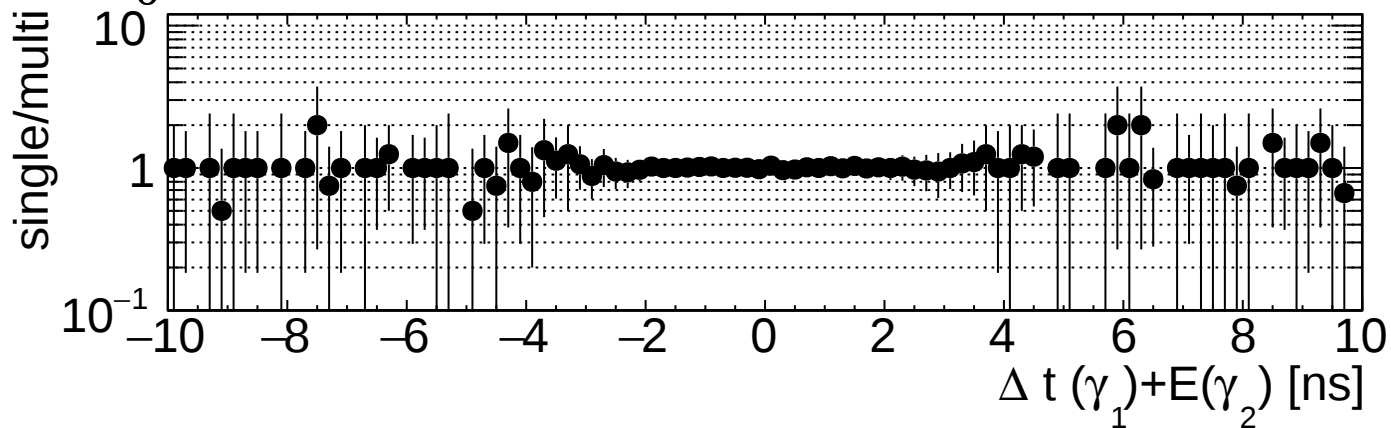
ECAL_dTime_10ns1CoG

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_dTime_10ns1CoGUnderPeakEThr90

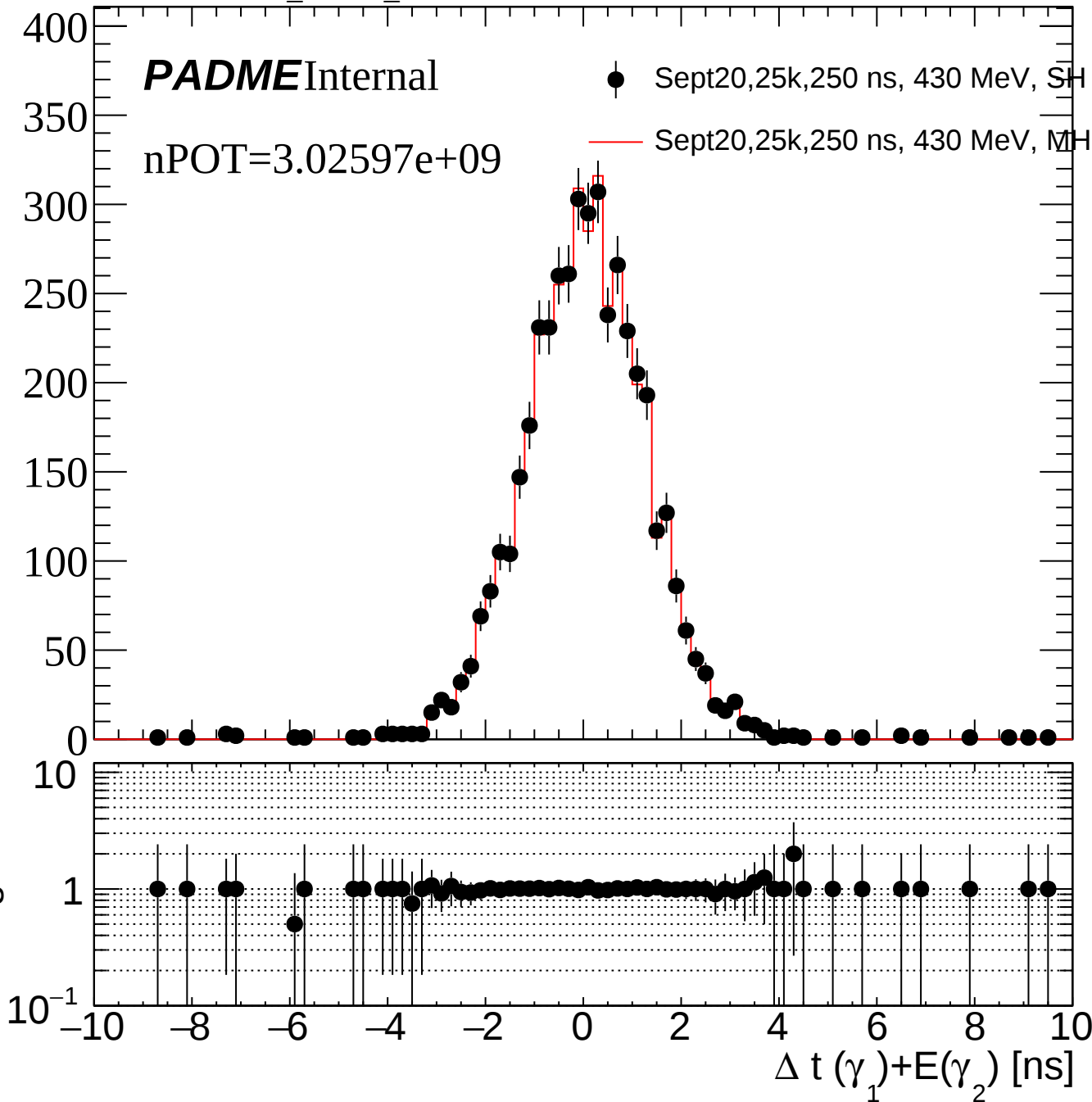
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_dTime_10ns3CoG

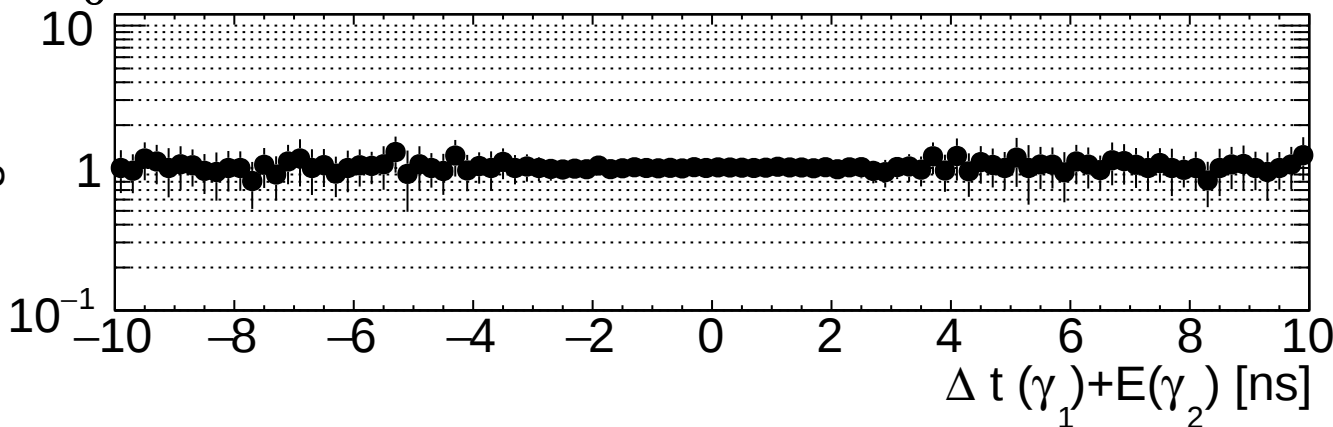
PADMEInternal

nPOT=3.02597e+09

Sept20,25k,250 ns, 430 MeV, SH

Sept20,25k,250 ns, 430 MeV, MH

single/multi



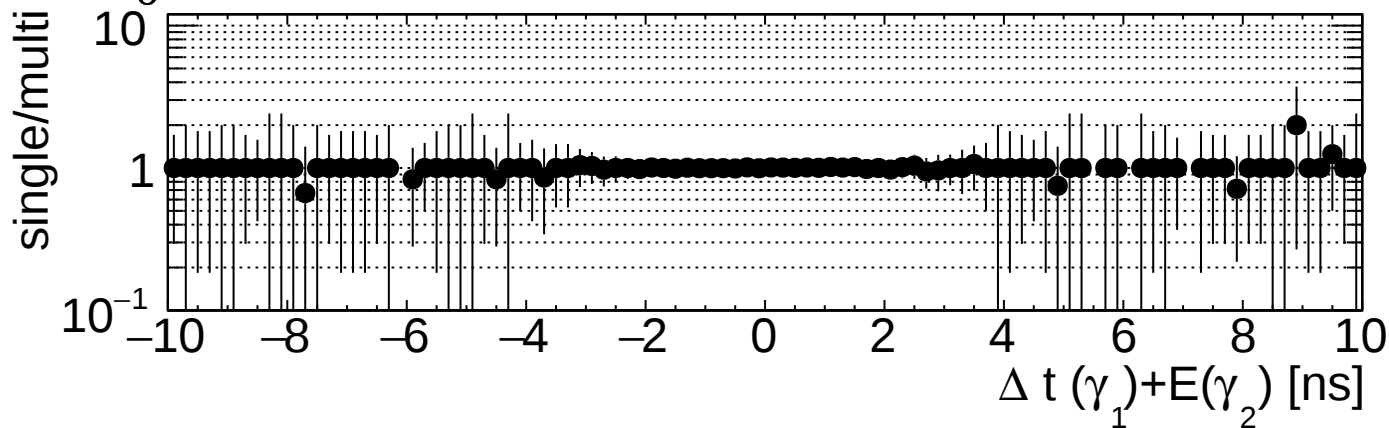
ECAL_dTime_10ns3CoGUnderPeakEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_dTime_10ns5CoG

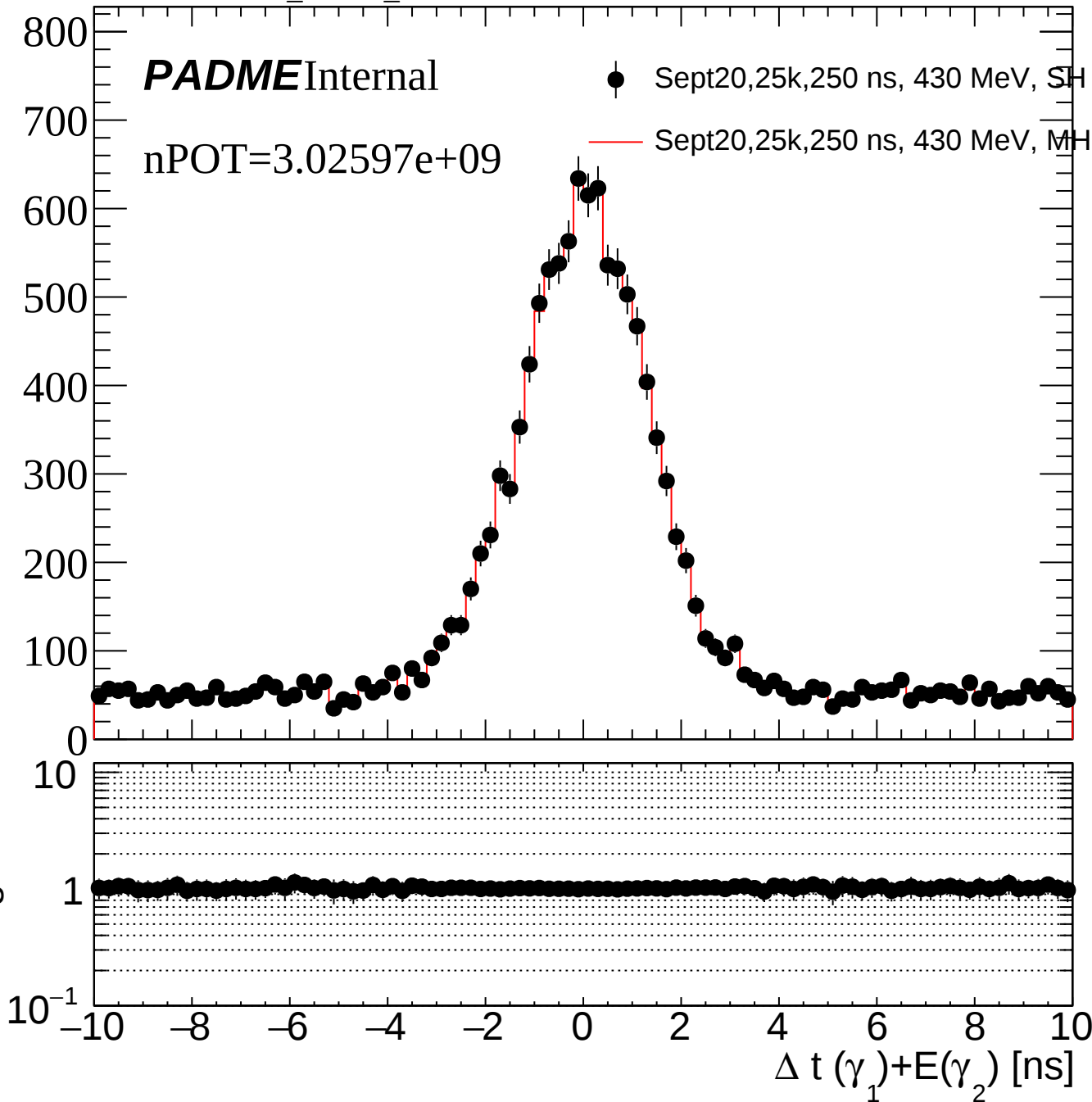
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_dTime_10ns5CoGUnderPeakEThr90

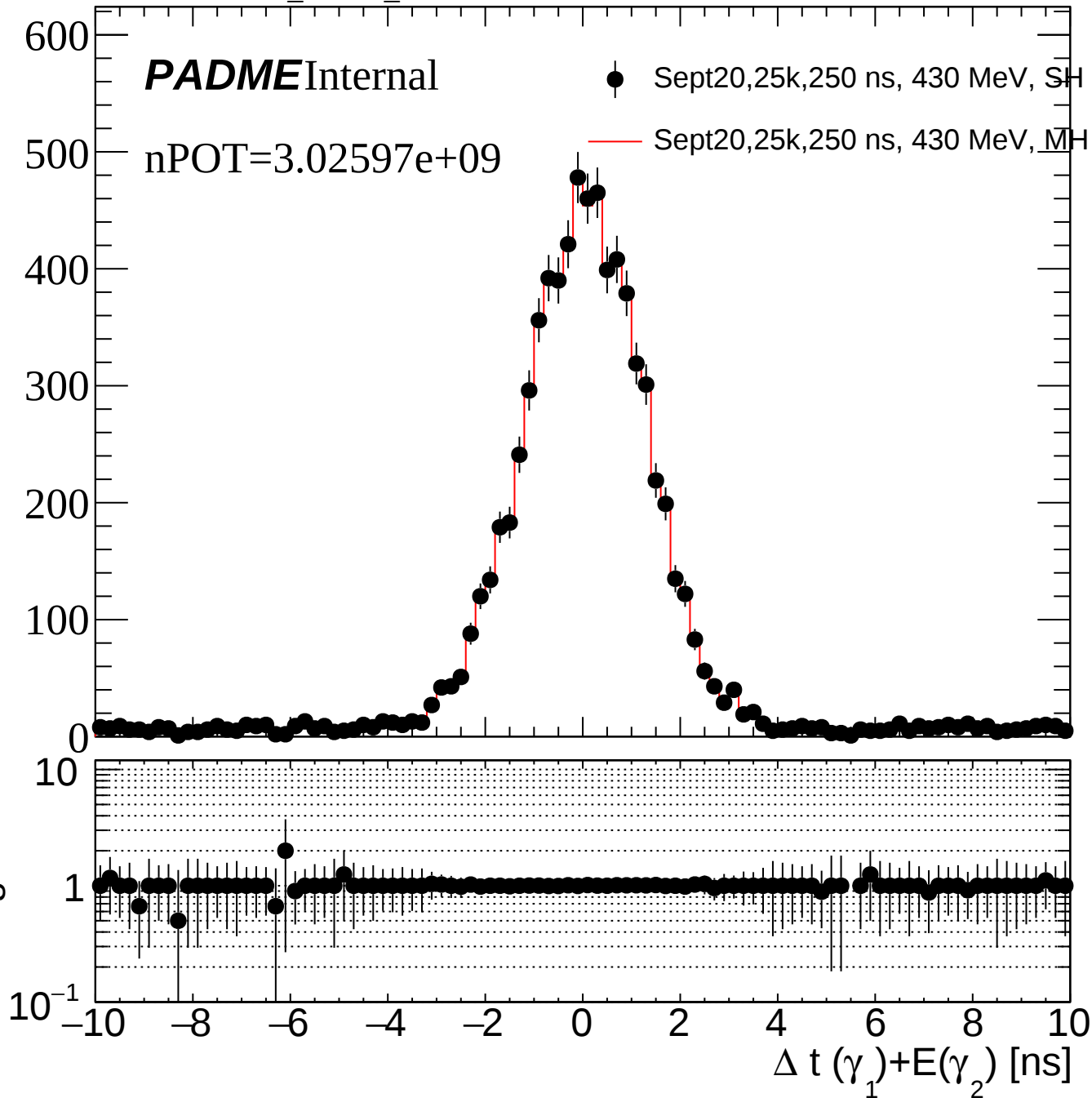
PADMEInternal

nPOT=3.02597e+09

Sept20,25k,250 ns, 430 MeV, SH

Sept20,25k,250 ns, 430 MeV, MH

single/multi



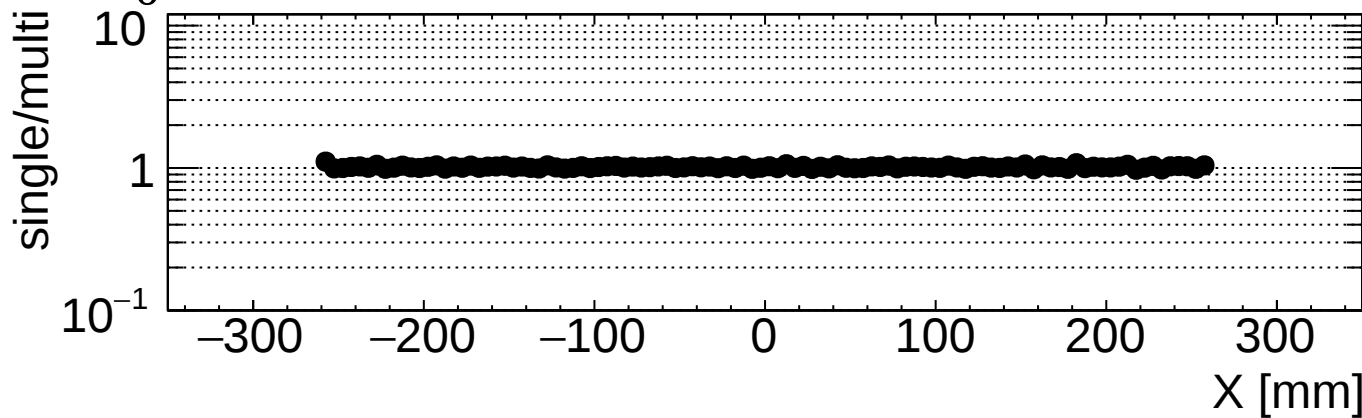
ECAL_Xgg_10ns

PADMEInternal

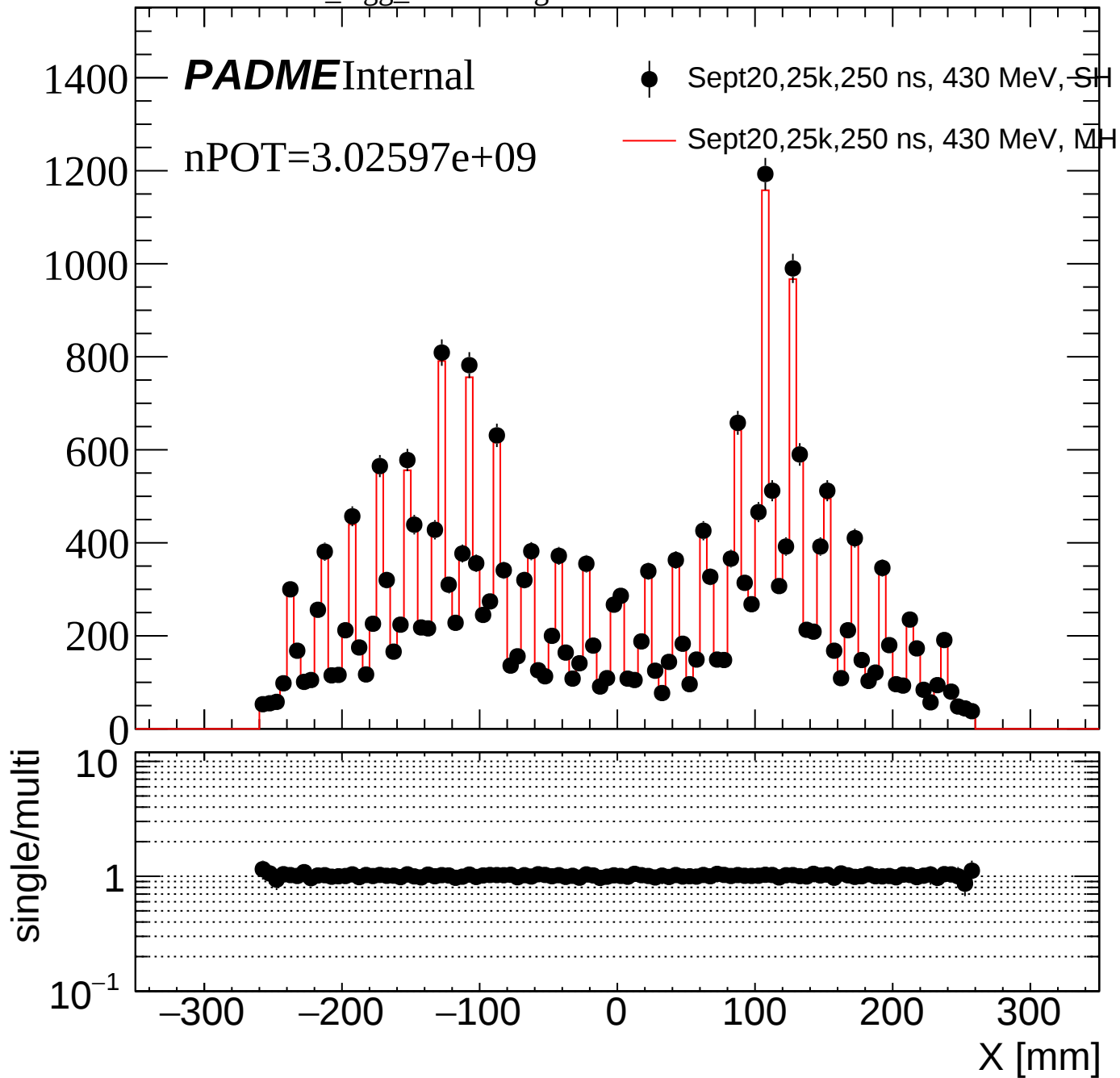
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns20Degree



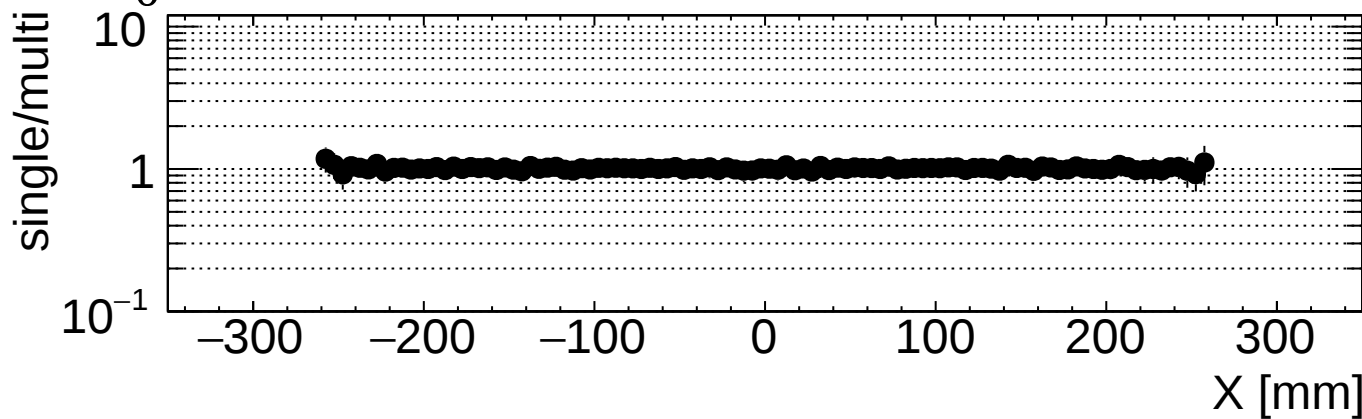
ECAL_Xgg_10ns20DegreeDeltaTheta

PADMEInternal

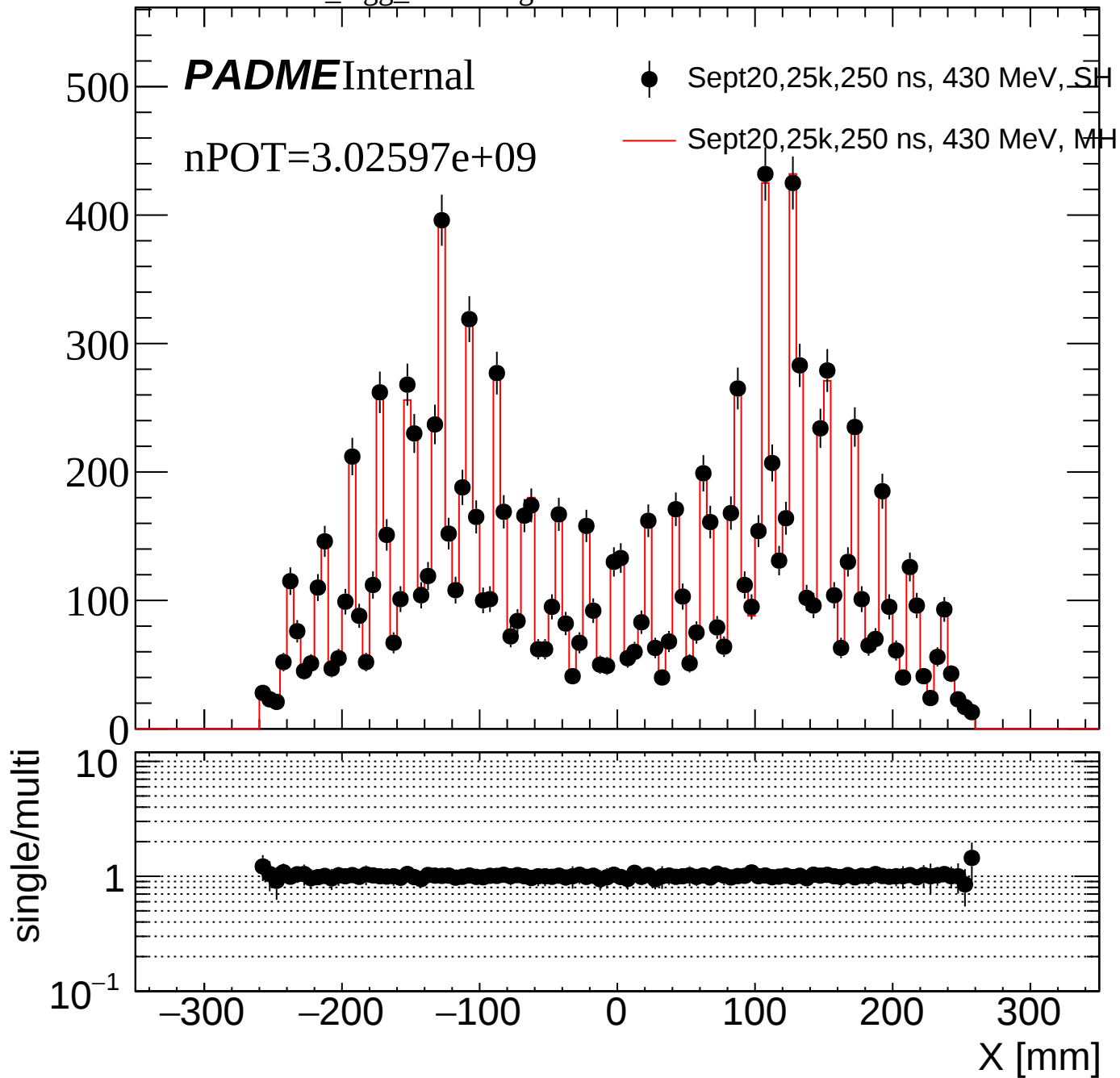
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns5DegreeDeltaTheta



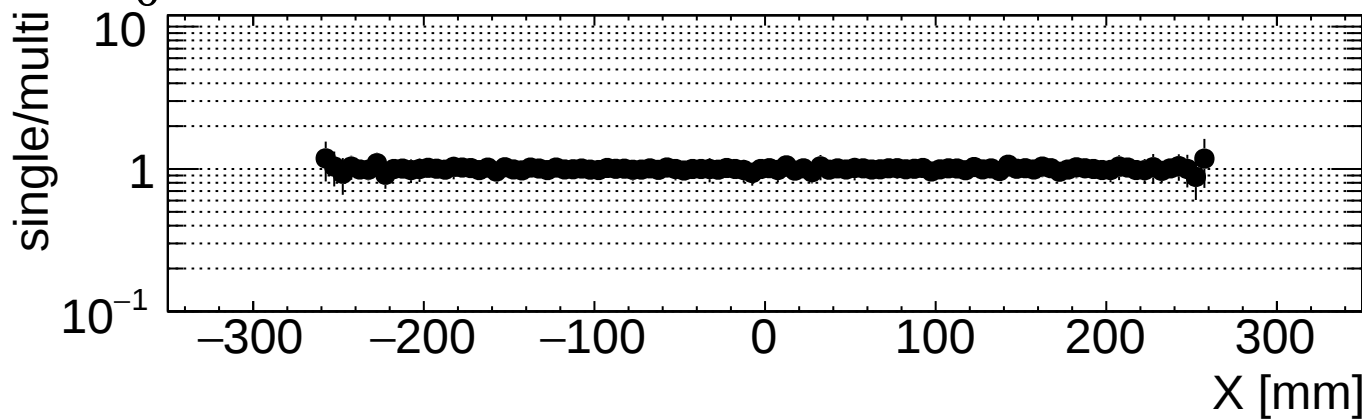
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

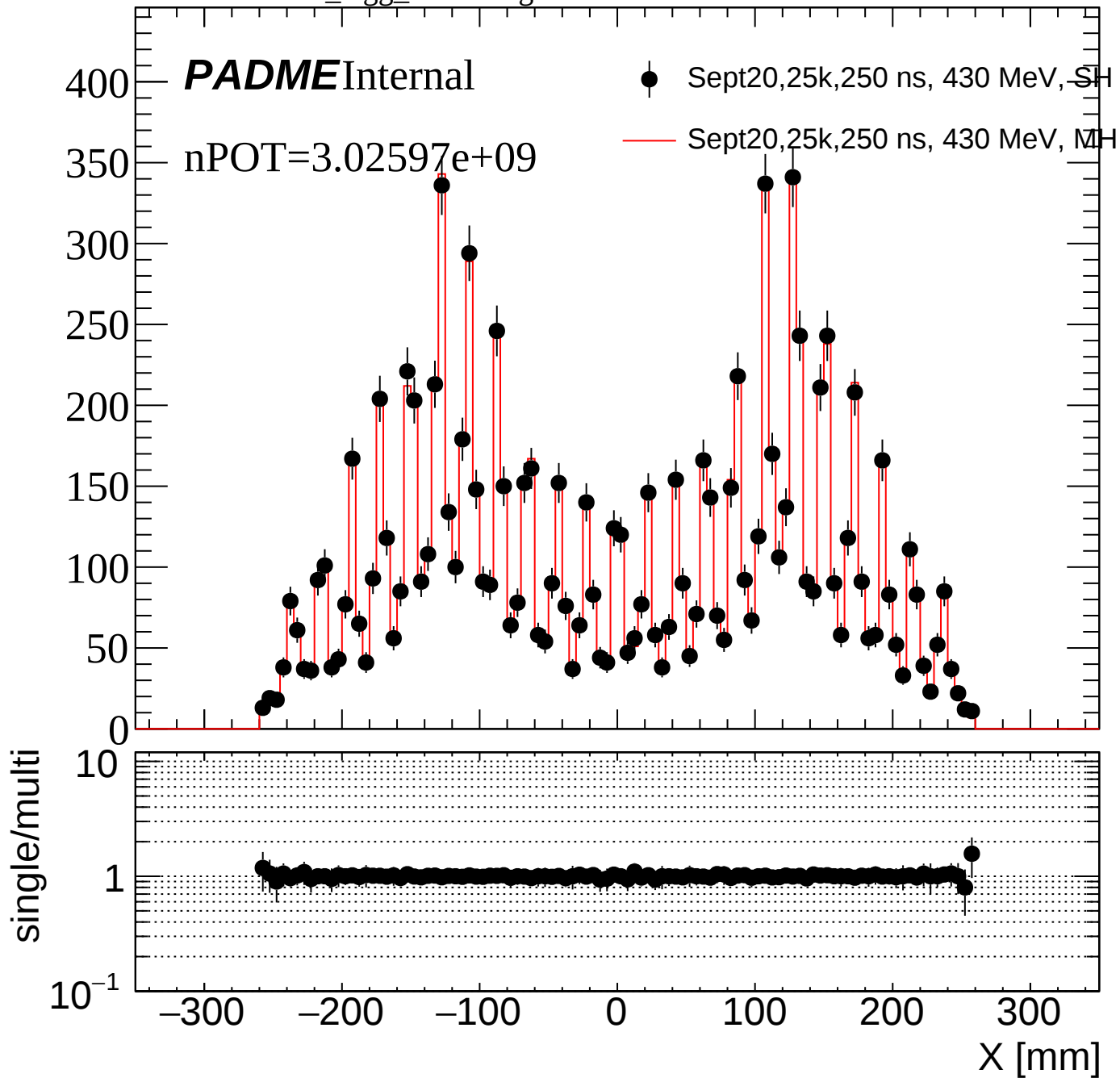
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak



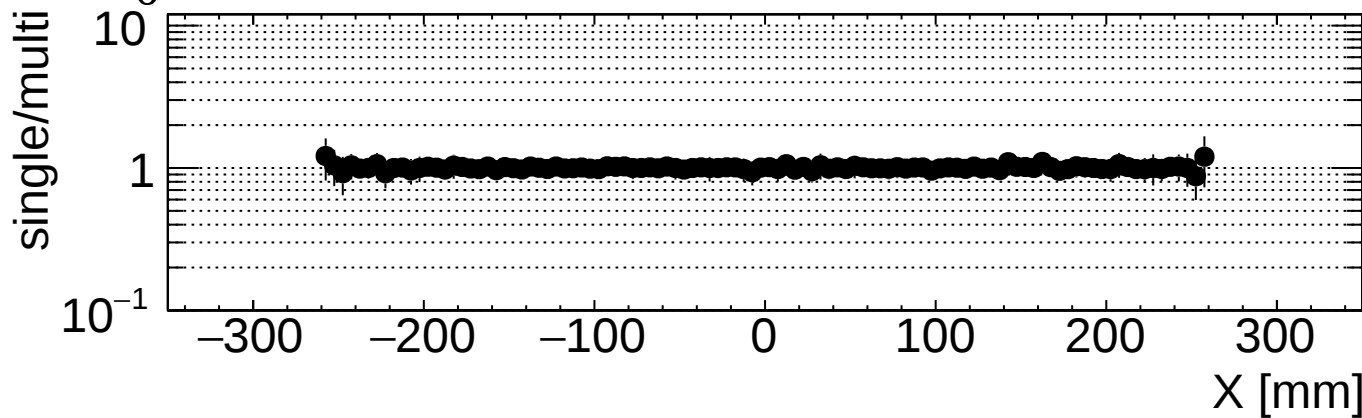
ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY

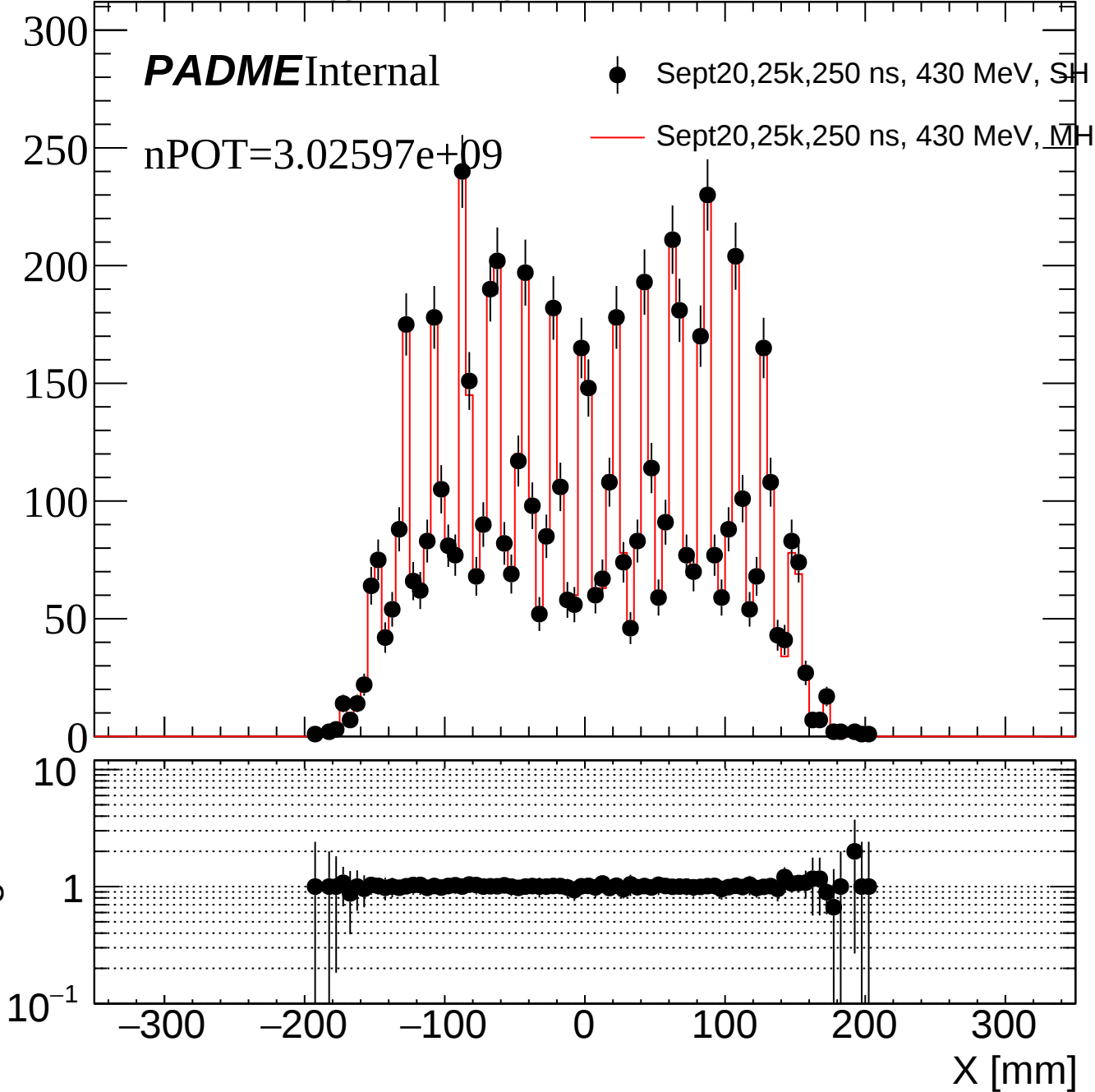
PADMEInternal

nPOT=3.02597e+09

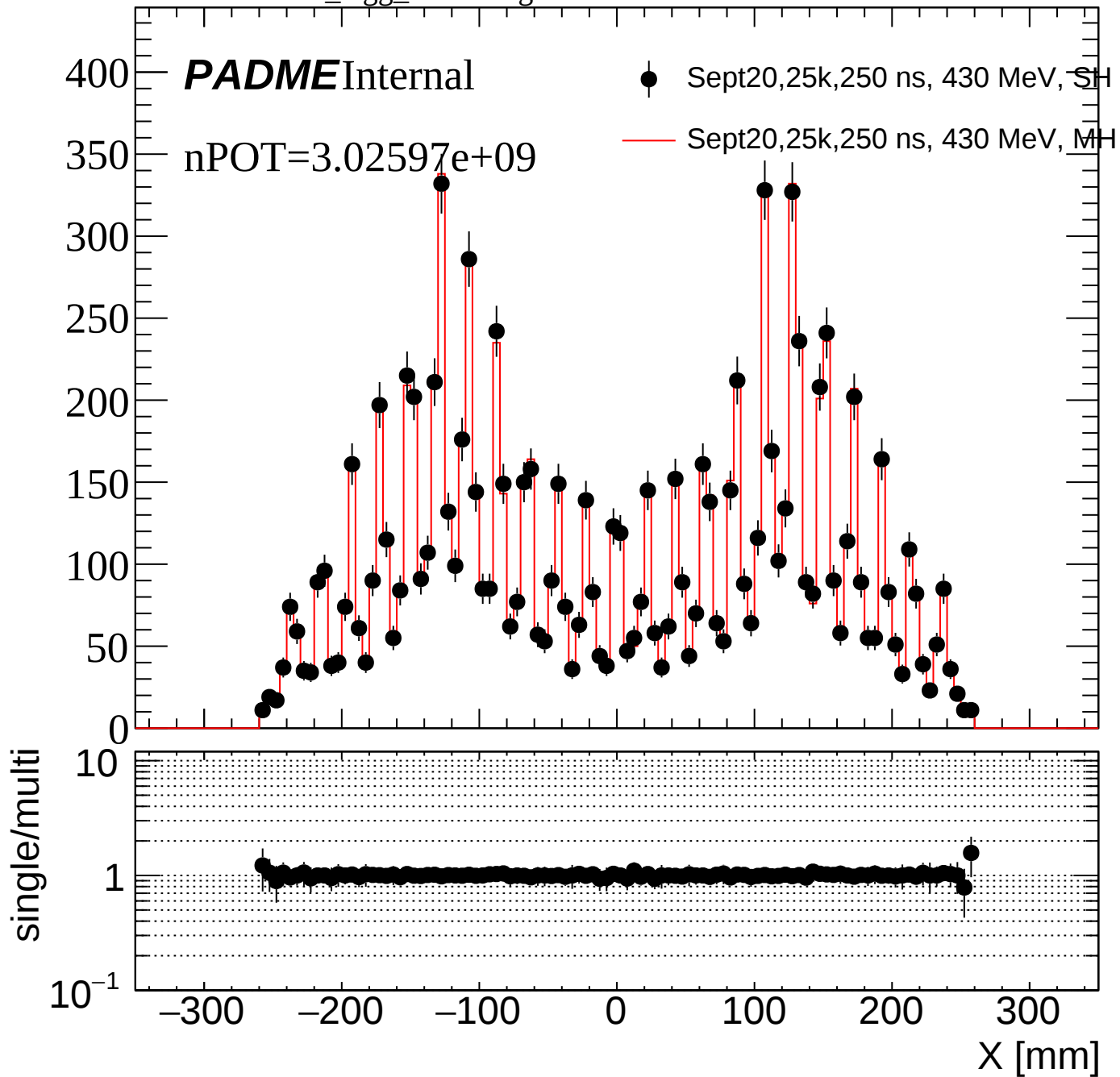
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90



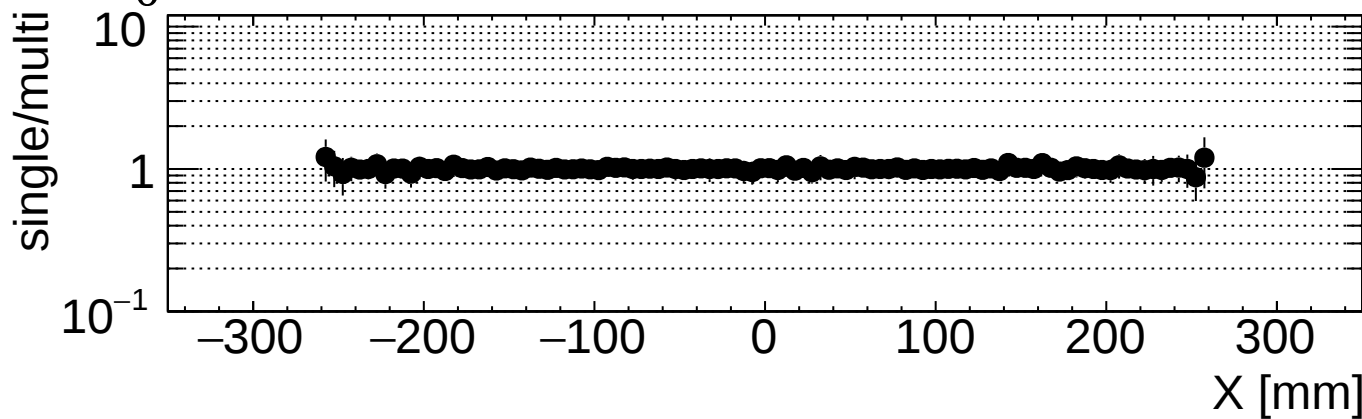
ECAL_Xgg_10ns20DegreeDeltaThetaEThr90

PADMEInternal

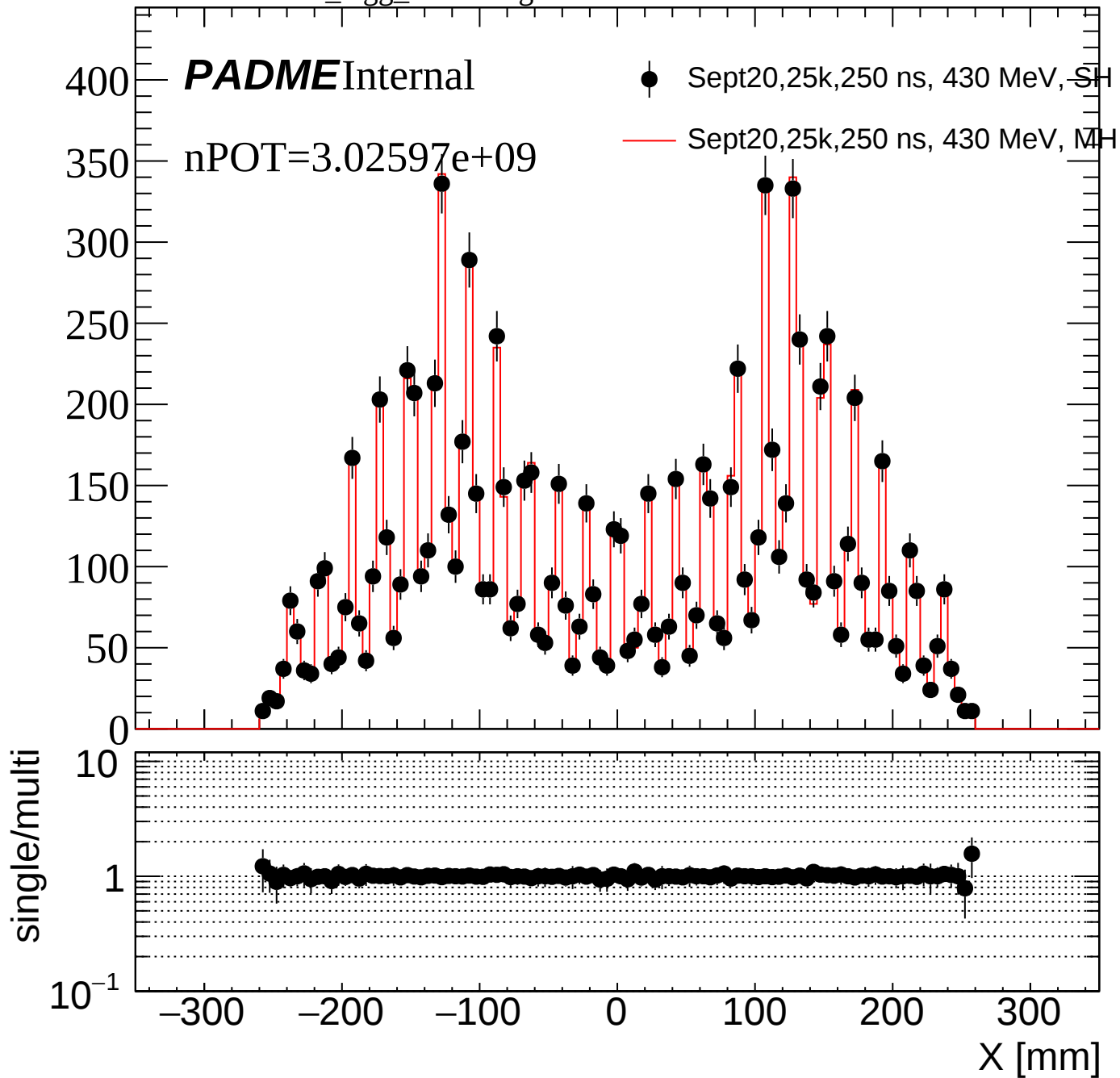
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns5DegreeDeltaThetaEThr90



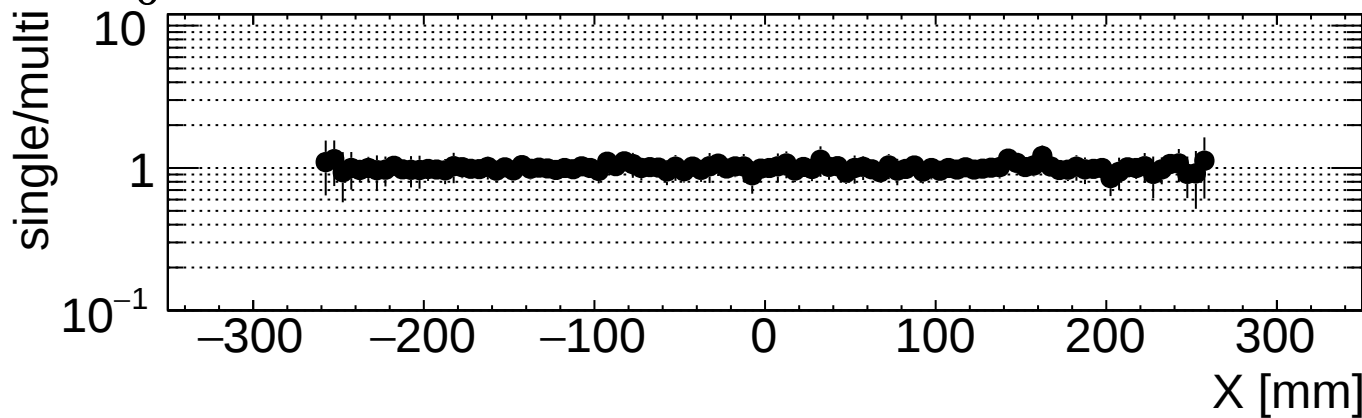
ECAL_Xgg_10ns1CoG

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns1CoGUnderPeak

PADMEInternal

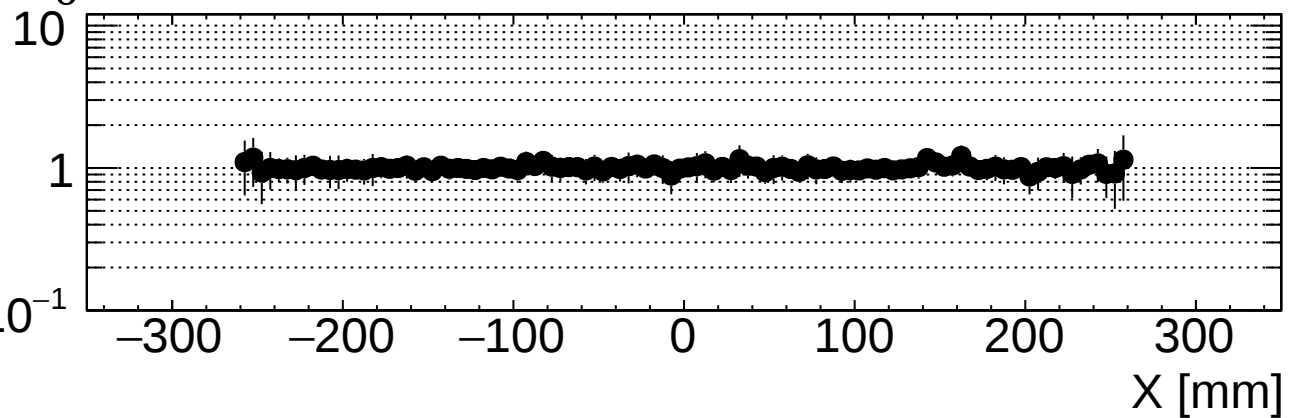
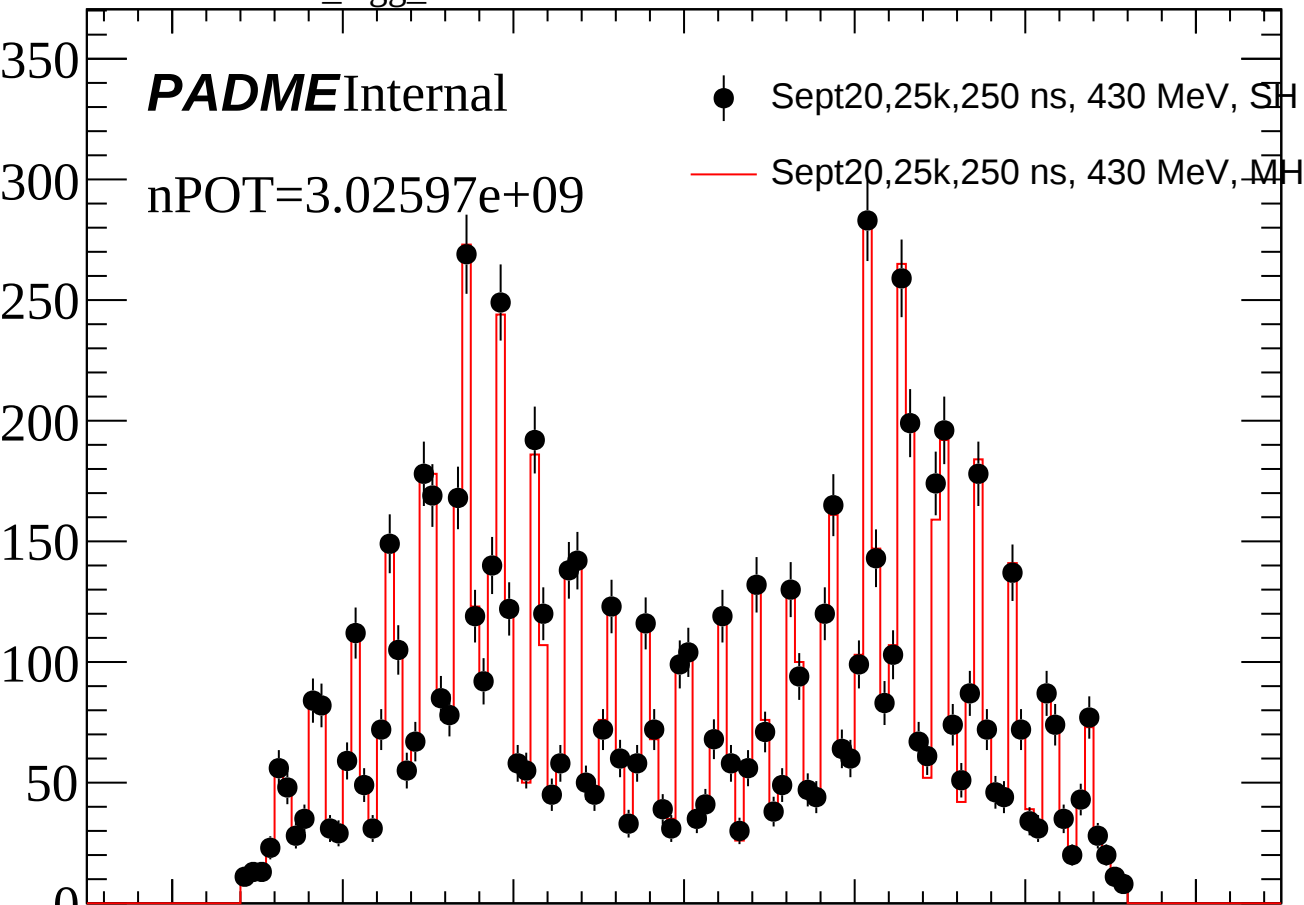
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

10^{-1}



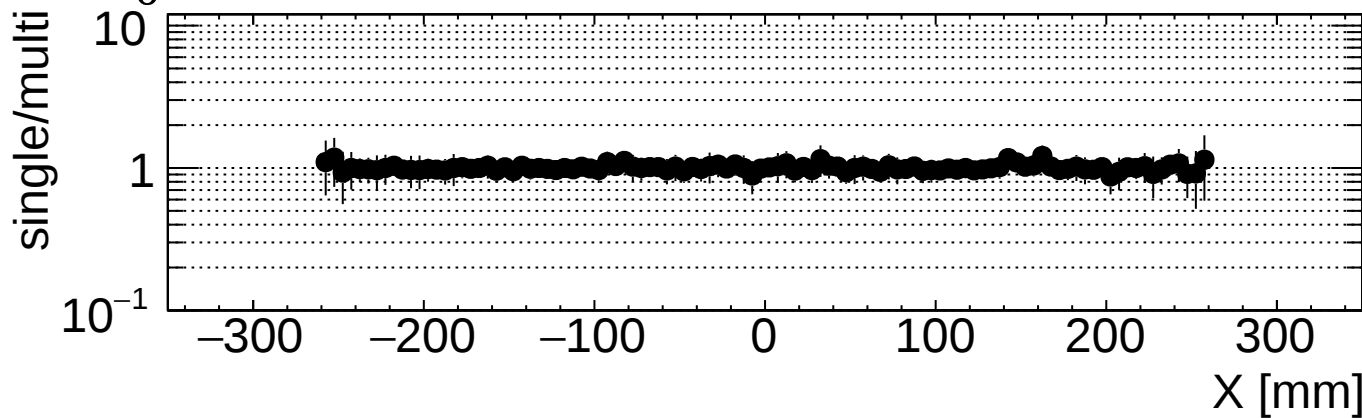
ECAL_Xgg_10ns1CoGUnderPeakEThr90

PADMEInternal

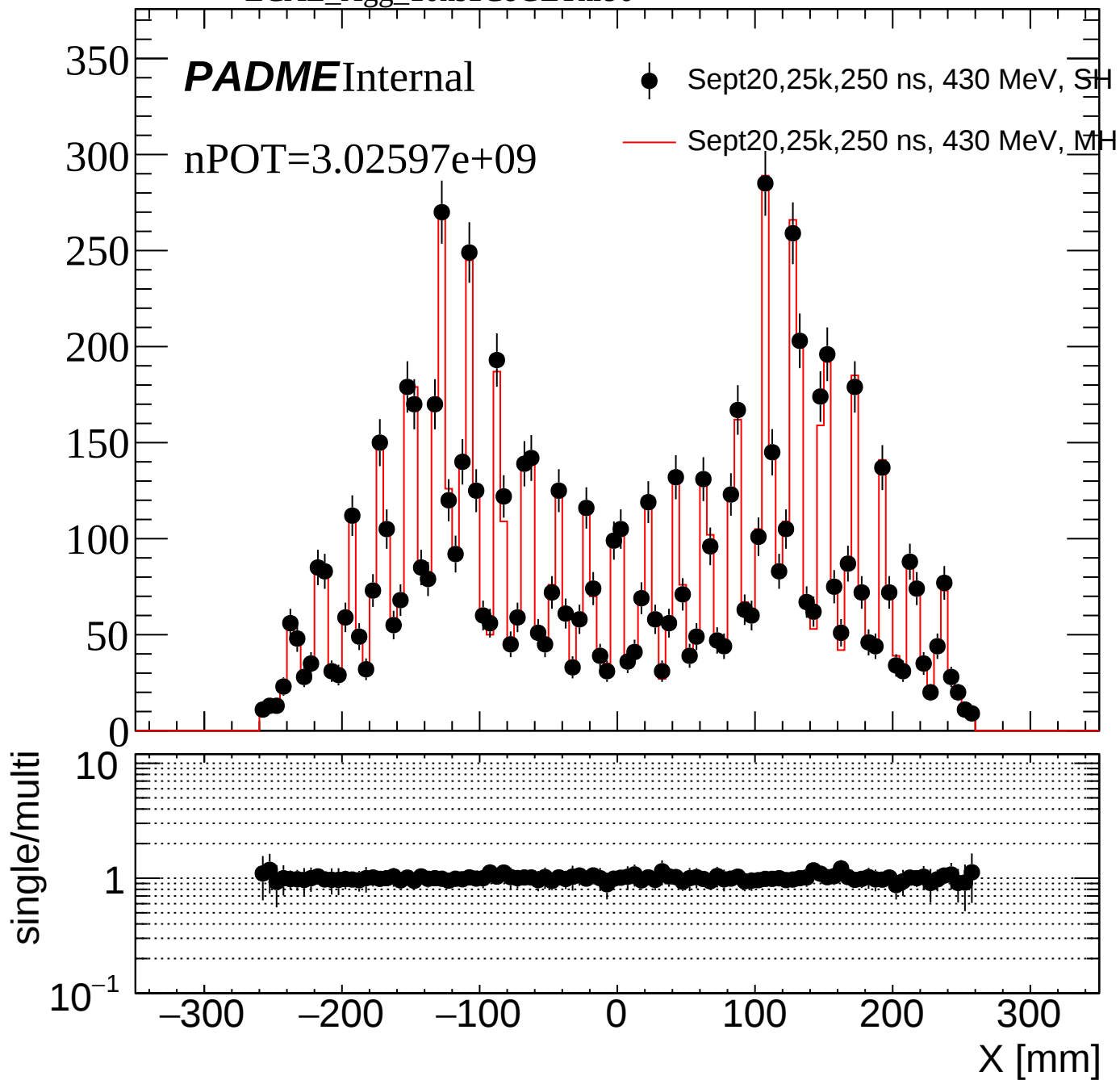
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns1CoGEThr90



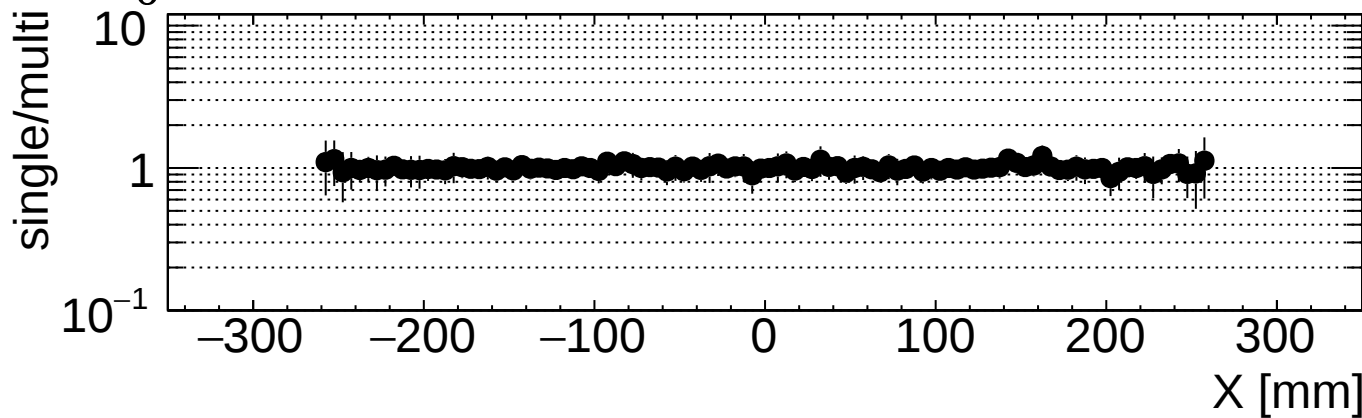
ECAL_Xgg_10ns1CoG20Degree

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns1CoG20DegreeDeltaTheta

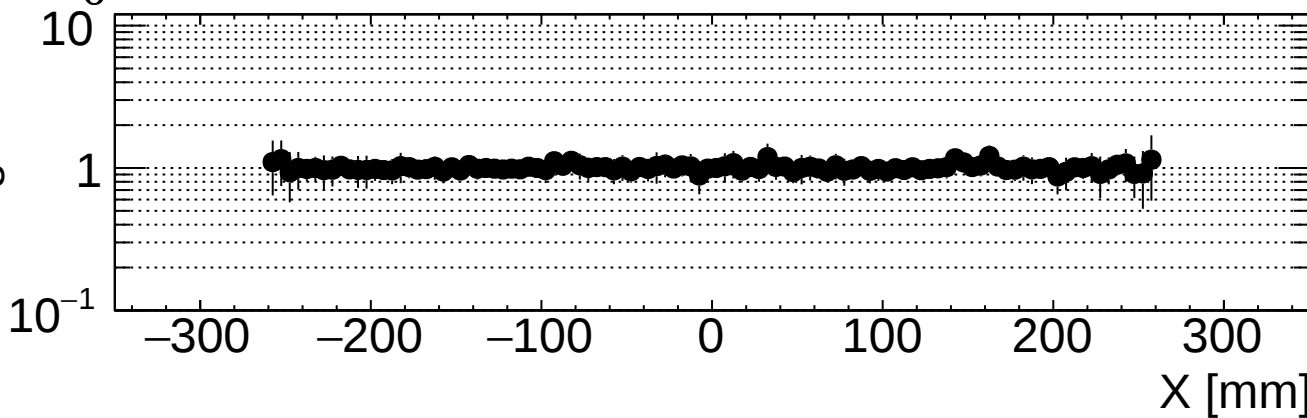
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns3CoG

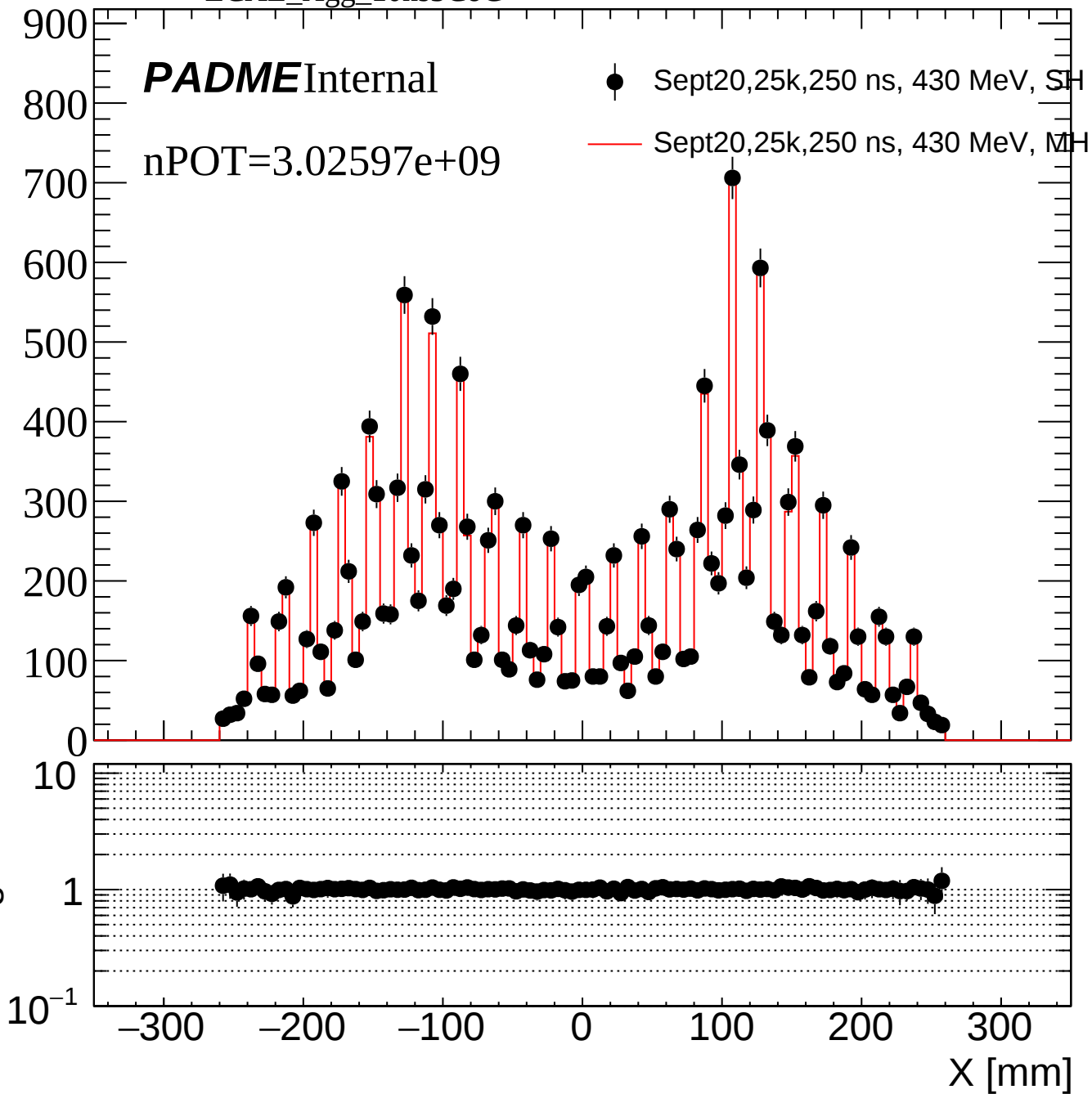
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



PADMEInternal

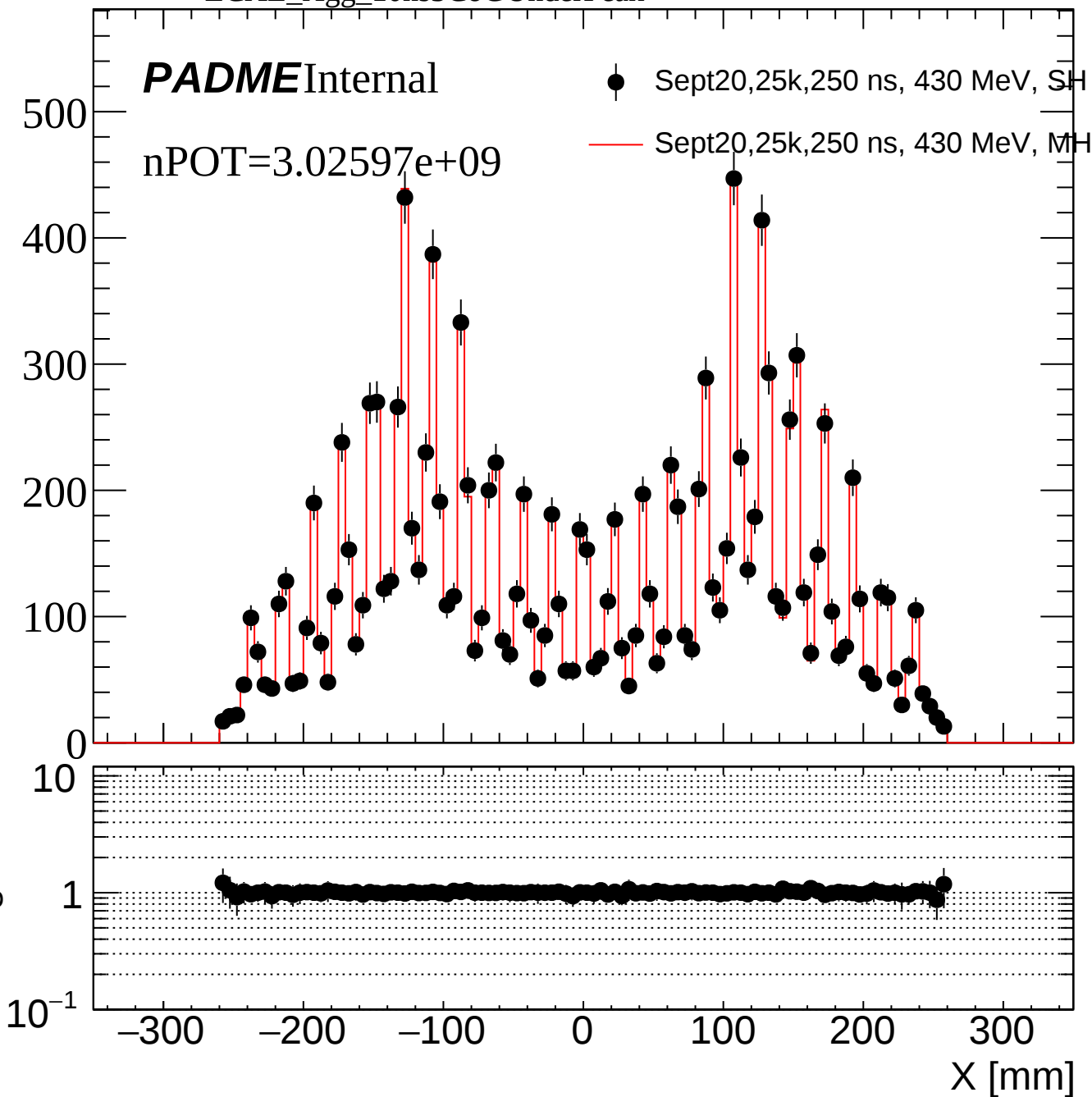
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

X [mm]



PADMEInternal

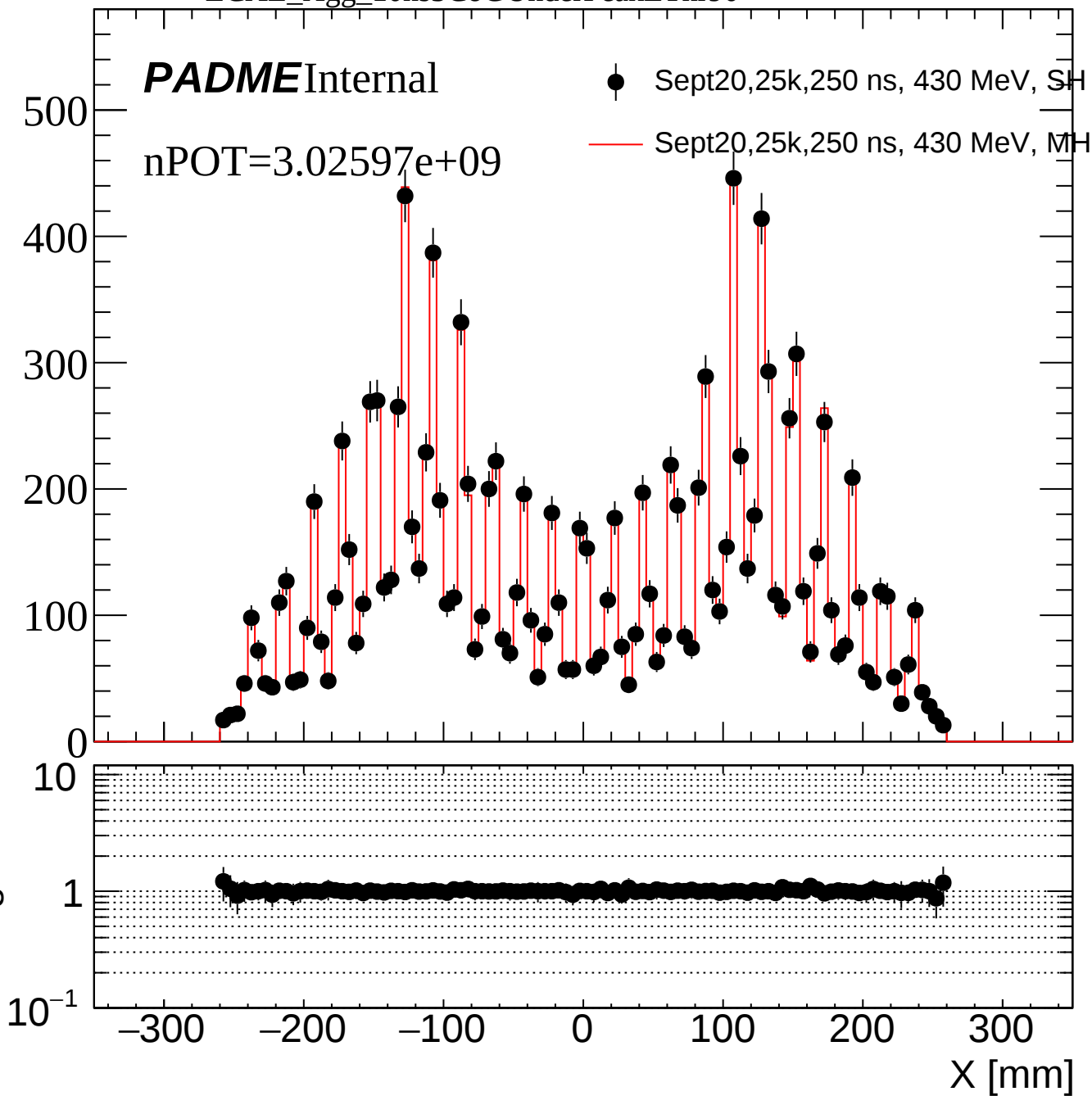
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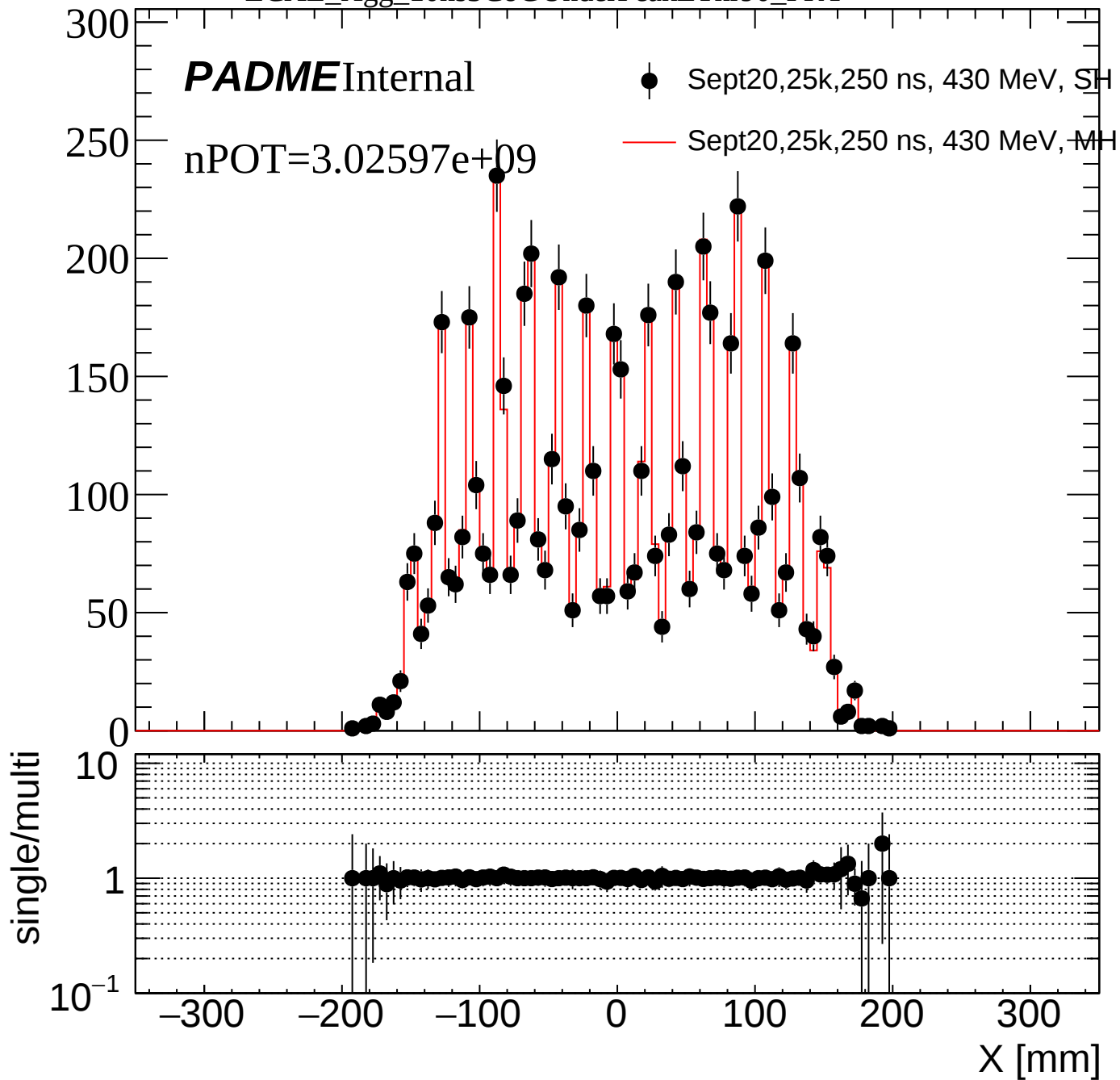
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

X [mm]





ECAL_Xgg_10ns3CoGEThr90

PADMEInternal

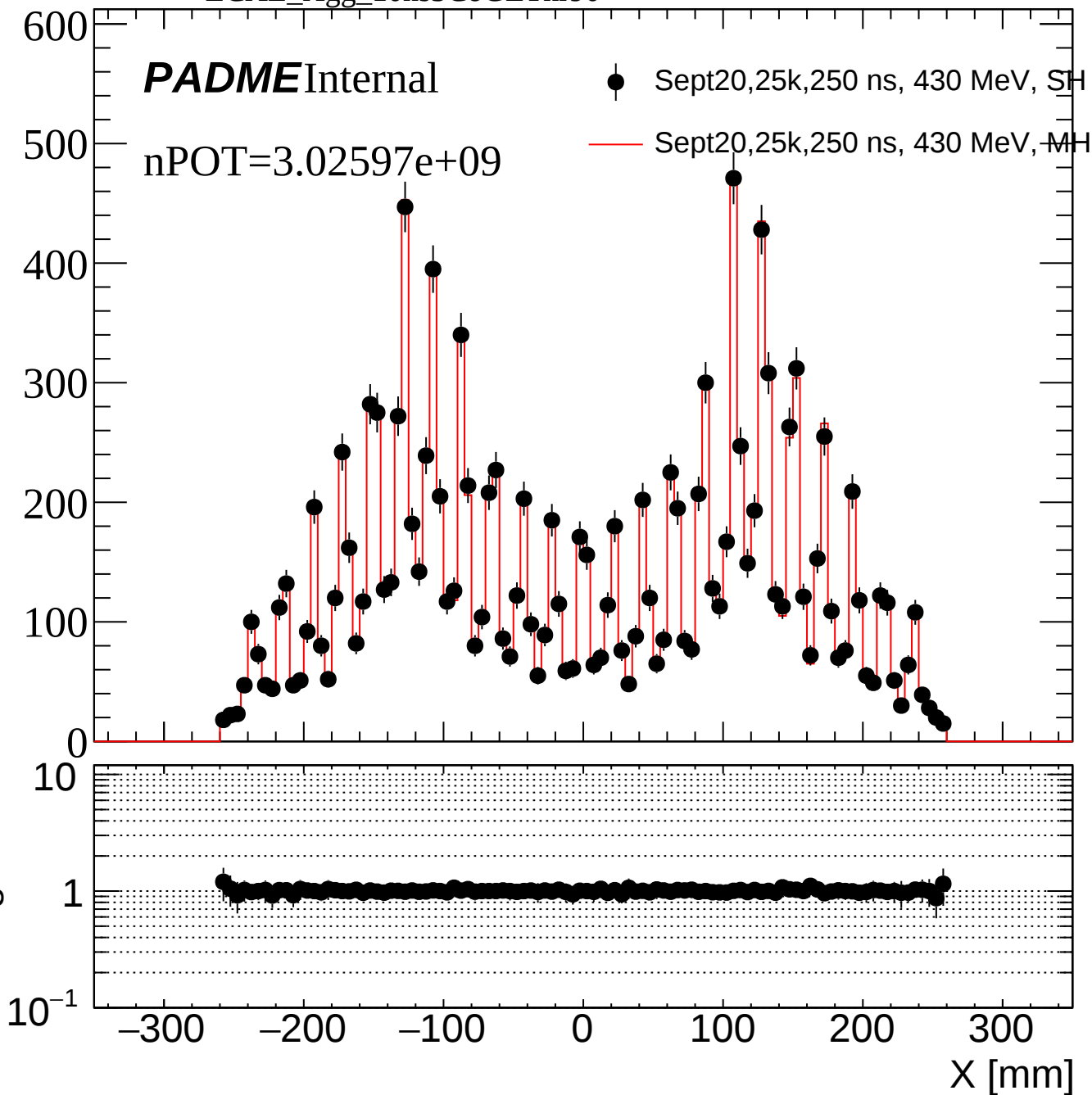
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

X [mm]



ECAL_Xgg_10ns5CoG

PADMEInternal

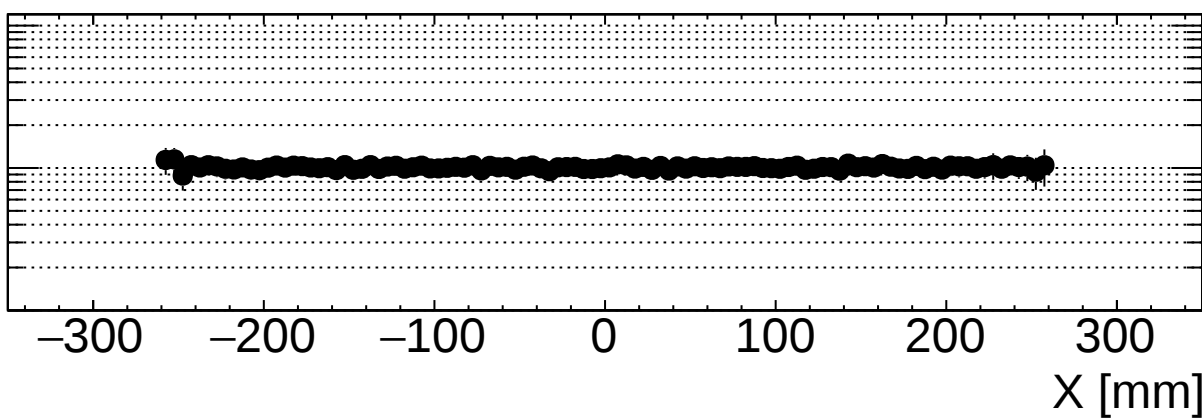
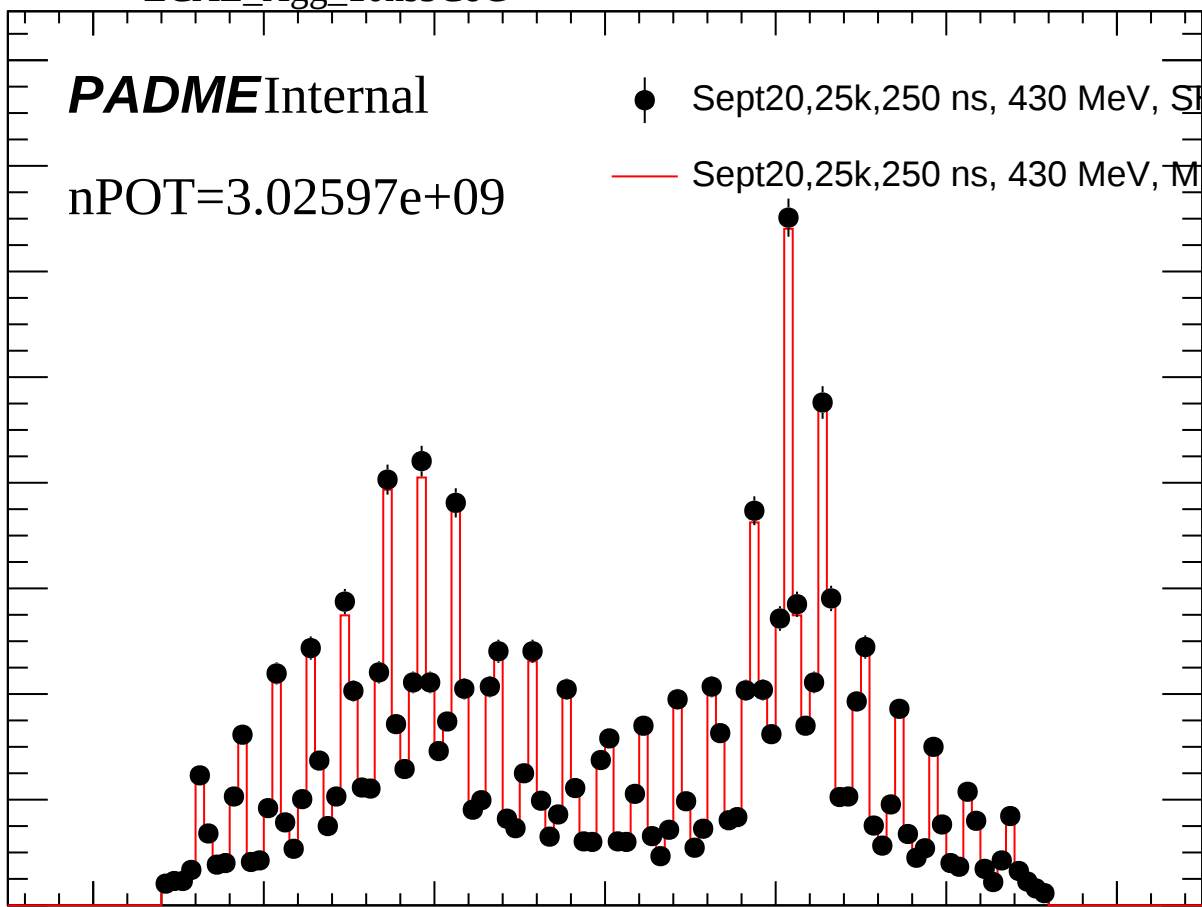
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

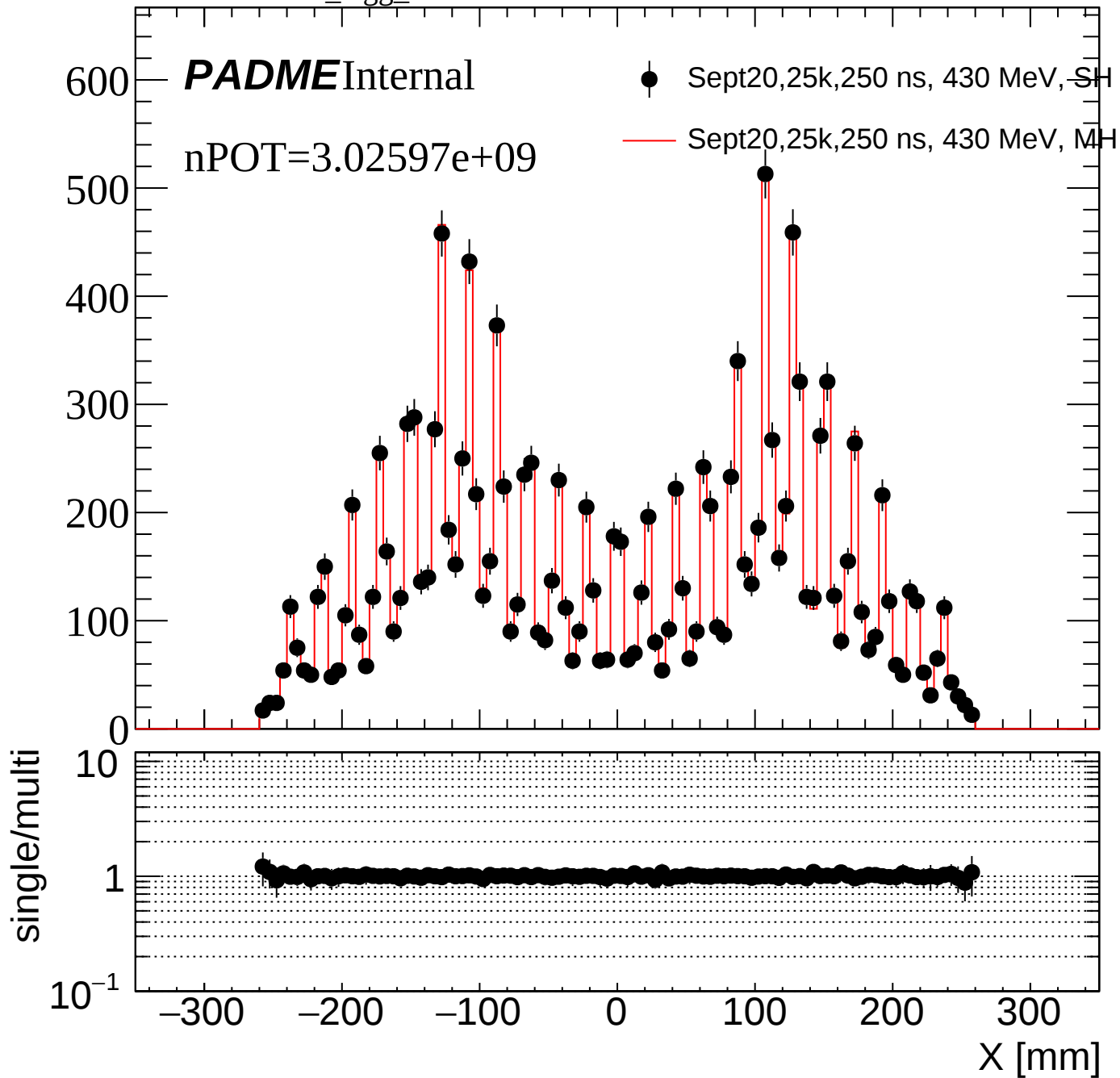
— Sept20,25k,250 ns, 430 MeV, MH

single/multi

1600
1400
1200
1000
800
600
400
200
0
10
1
10⁻¹



ECAL_Xgg_10ns5CoGUnderPeak



ECAL_Xgg_10ns5CoGUnderPeakEThr90

PADMEInternal

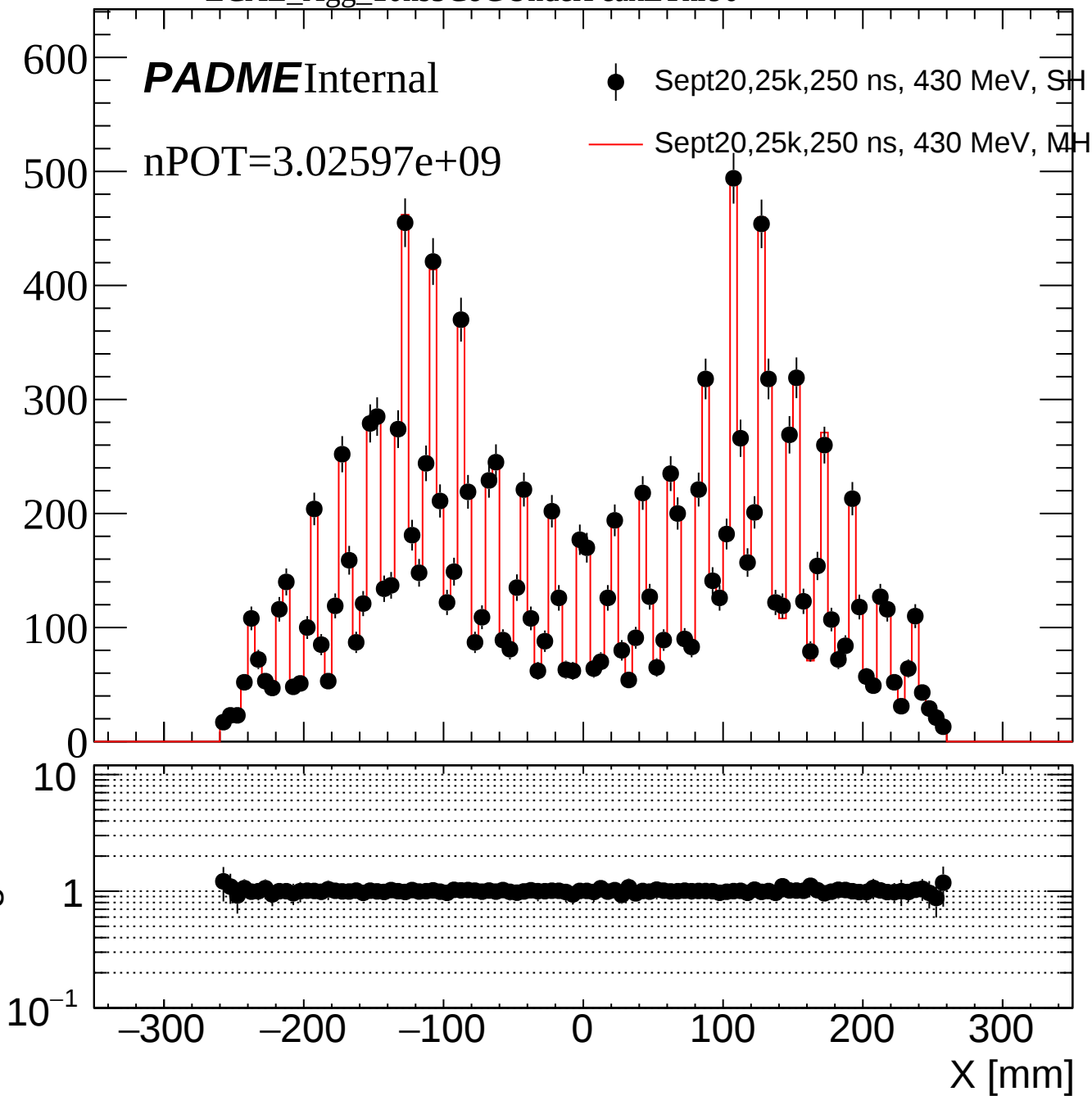
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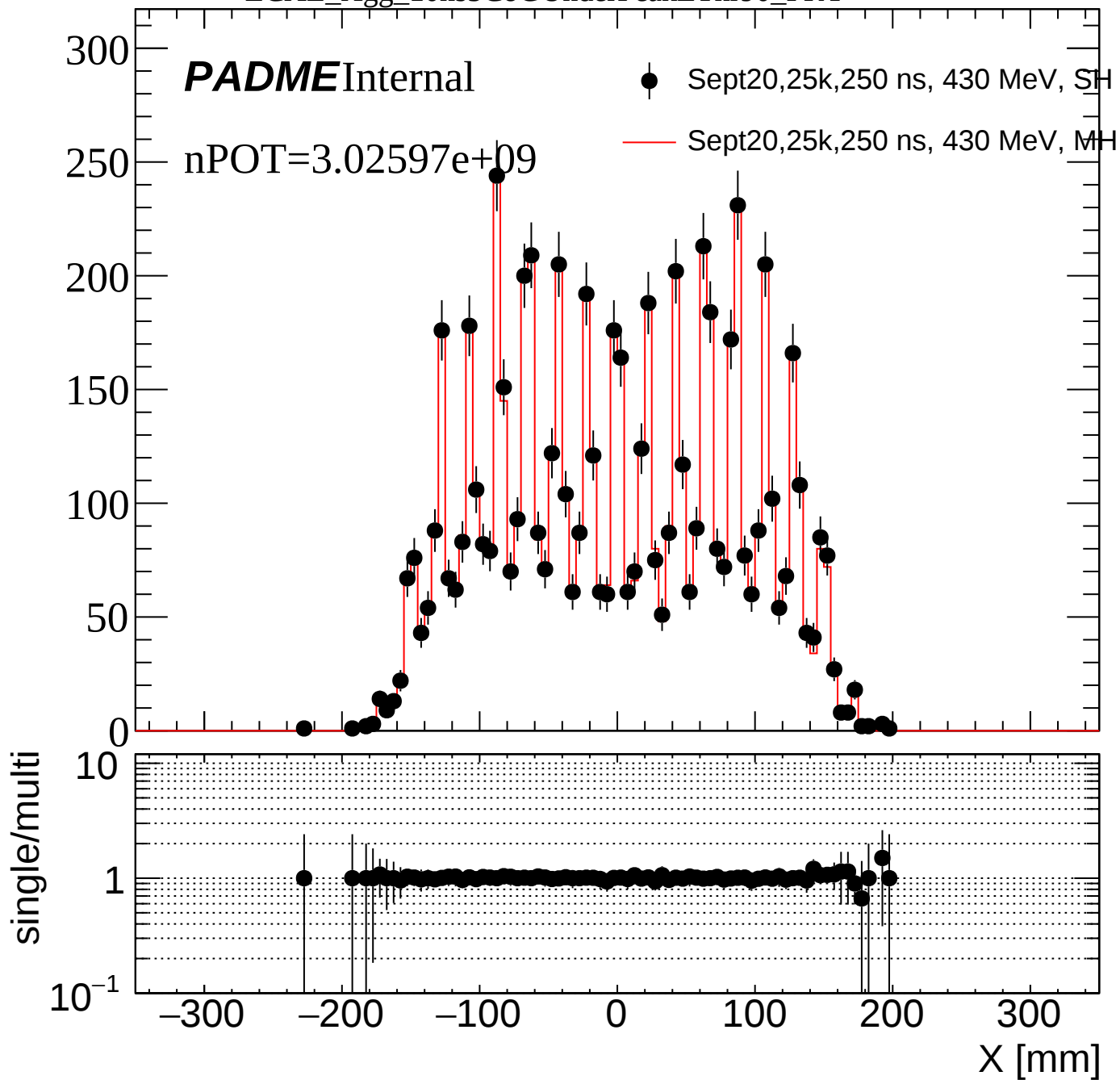
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

X [mm]





ECAL_Xgg_10ns5CoGEThr90

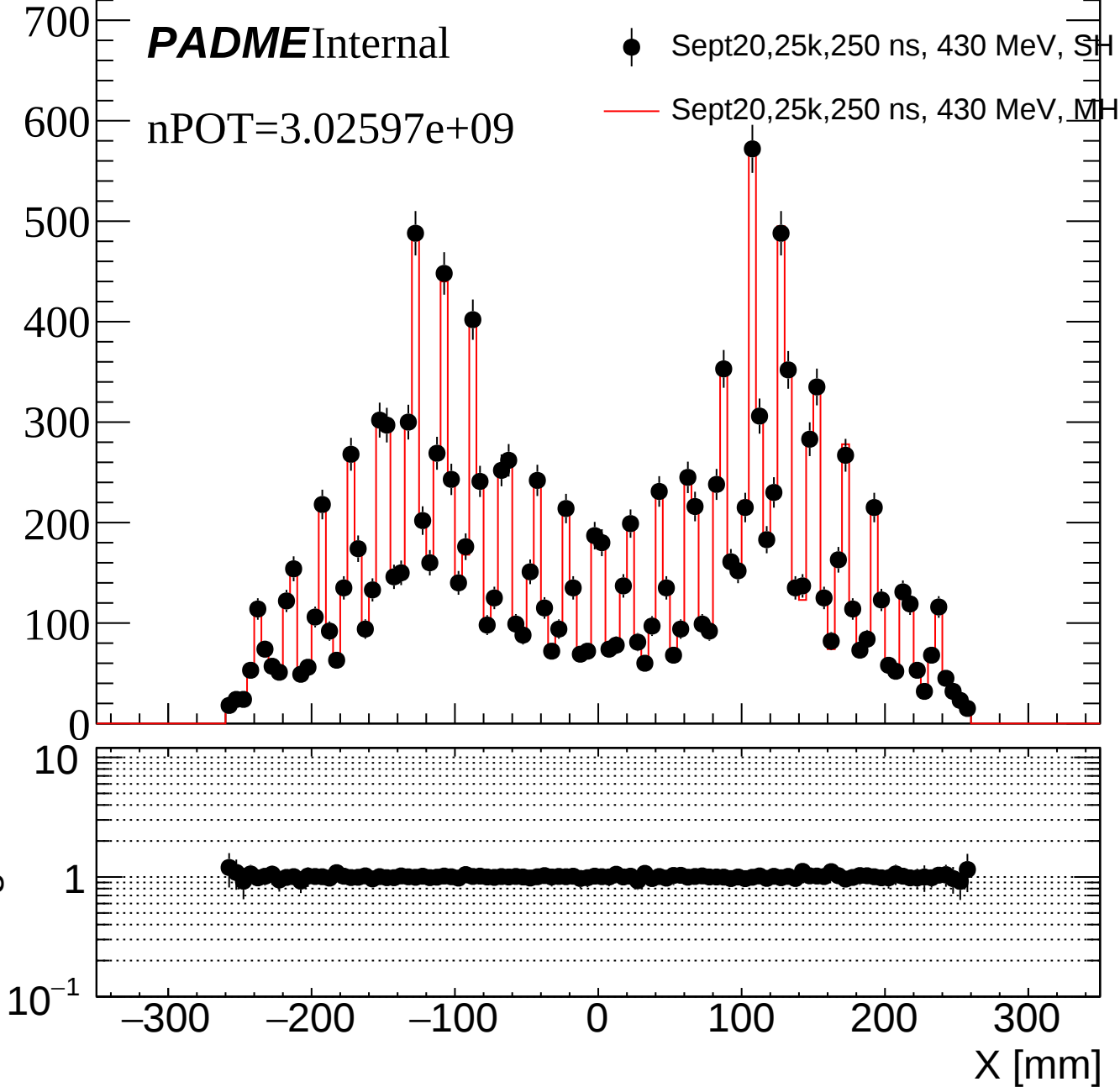
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Ygg_10ns

PADMEInternal

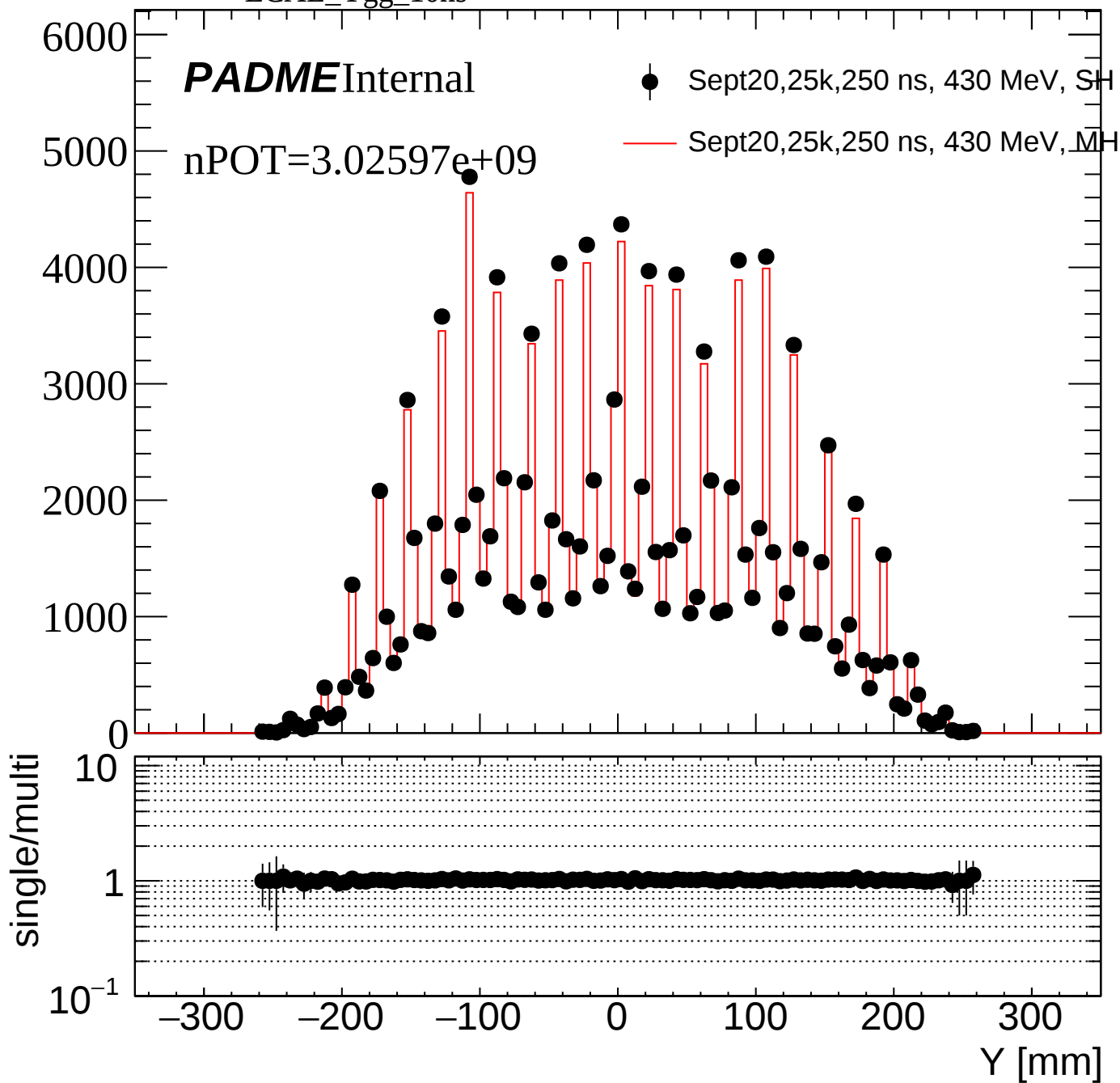
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

Y [mm]



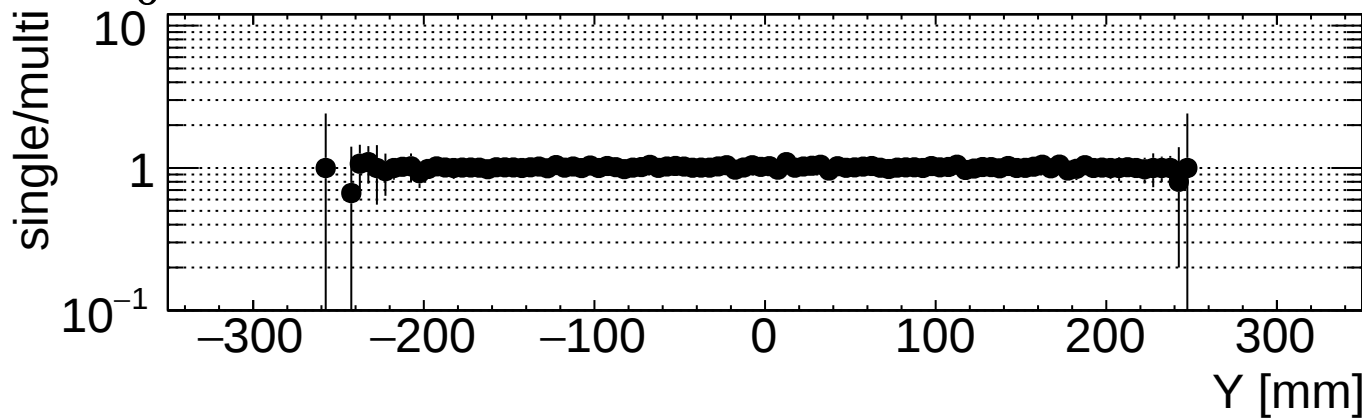
ECAL_Ygg_10ns20Degree

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns20DegreeDeltaTheta

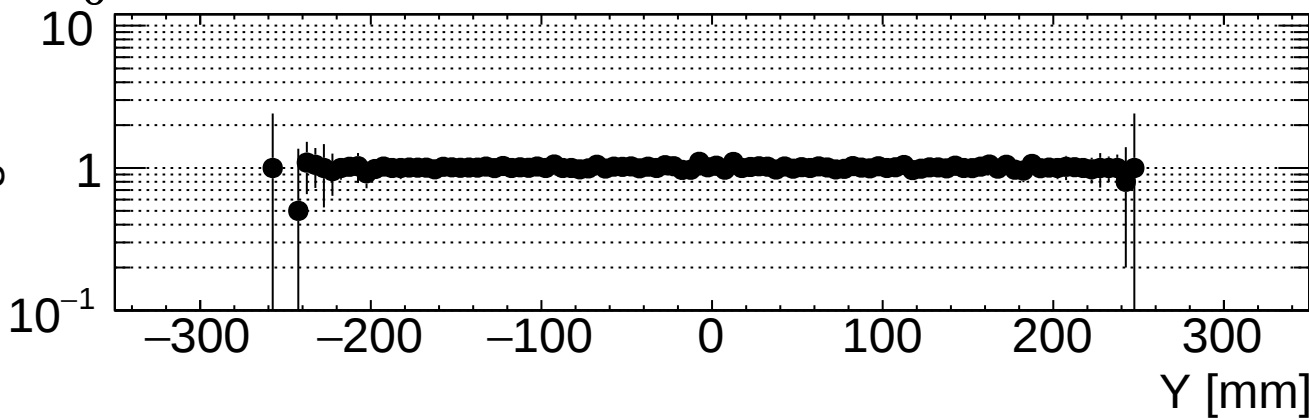
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Ygg_10ns5DegreeDeltaTheta

PADMEInternal

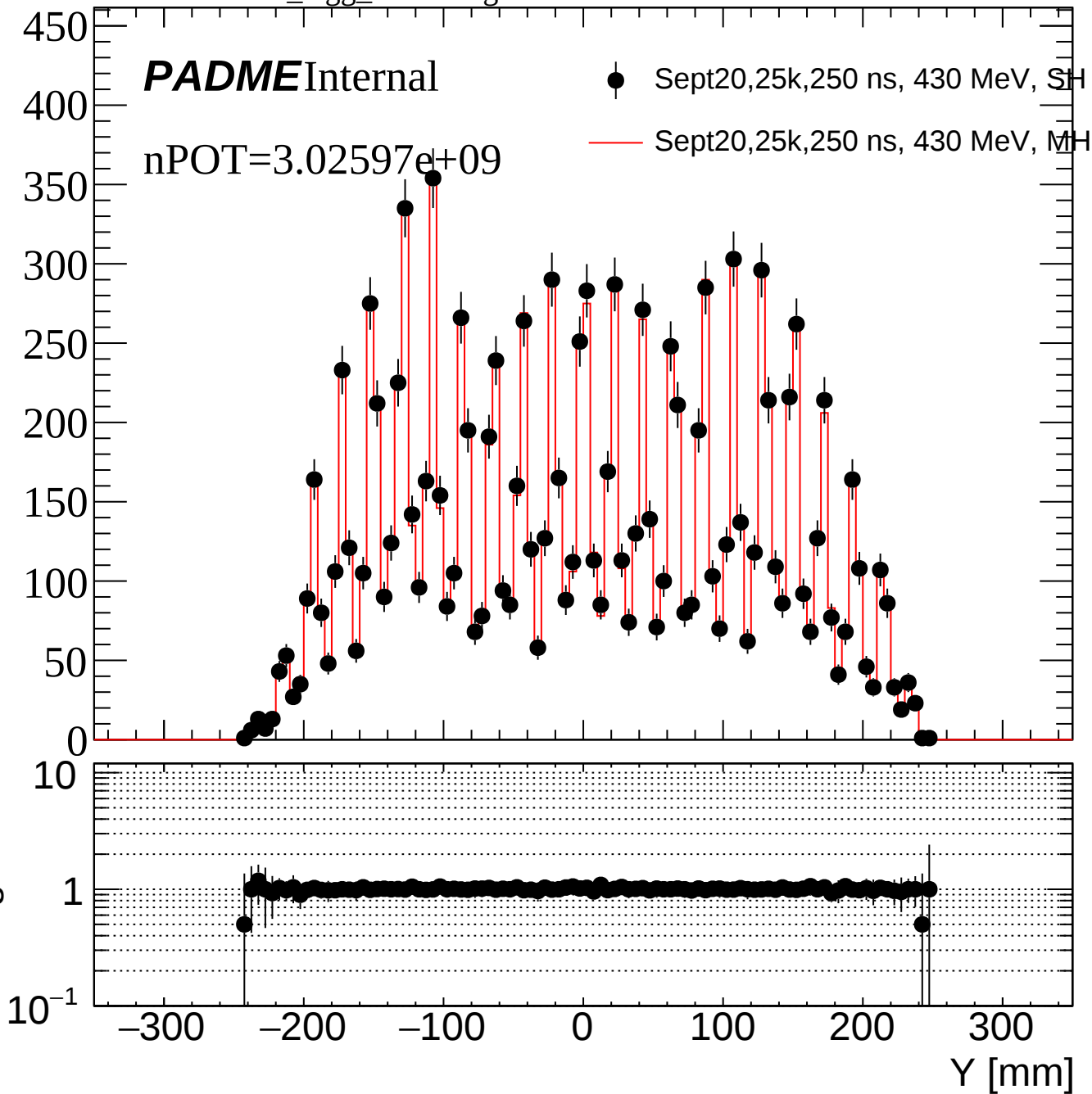
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

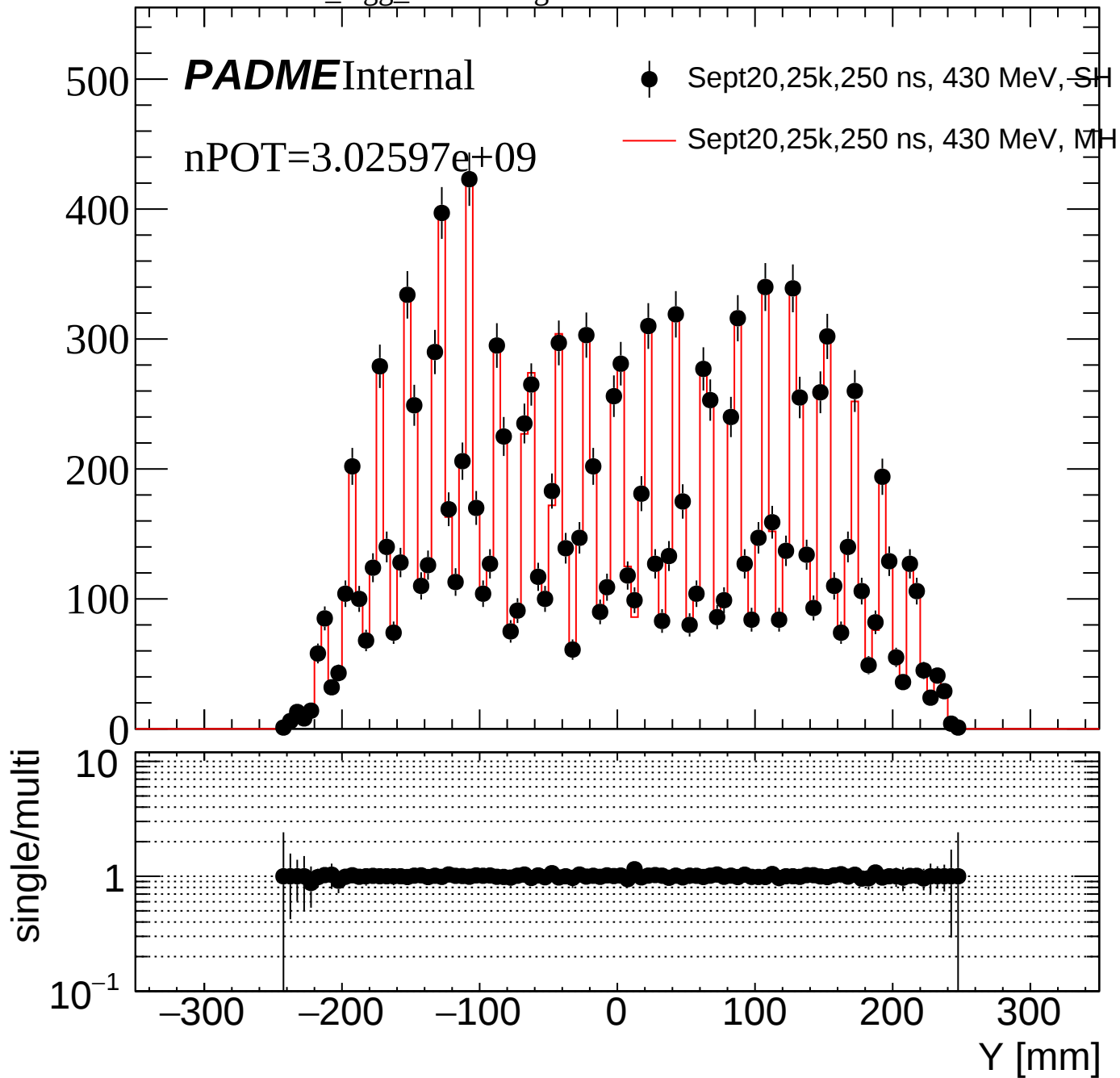
— Sept20,25k,250 ns, 430 MeV, MH

single/multi

Y [mm]



ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak



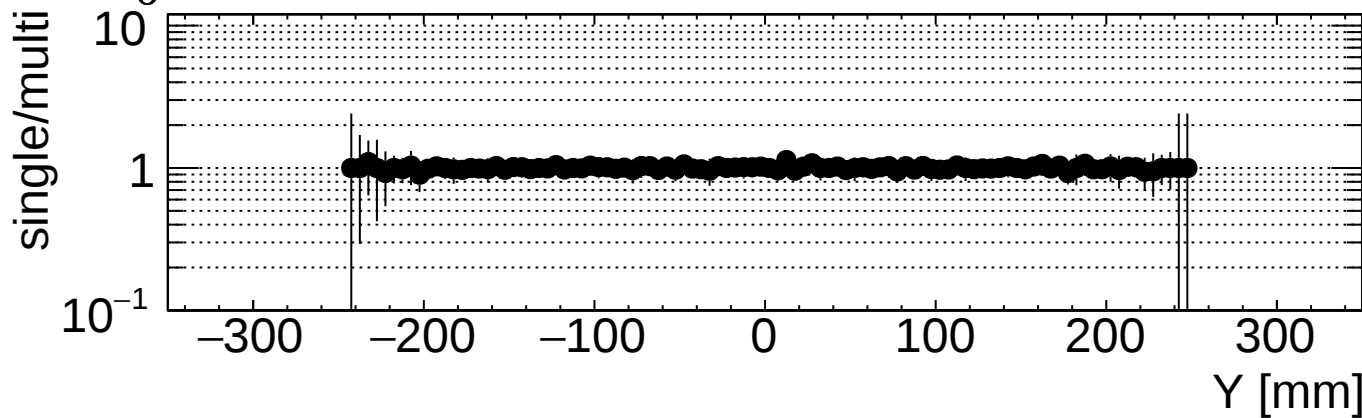
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



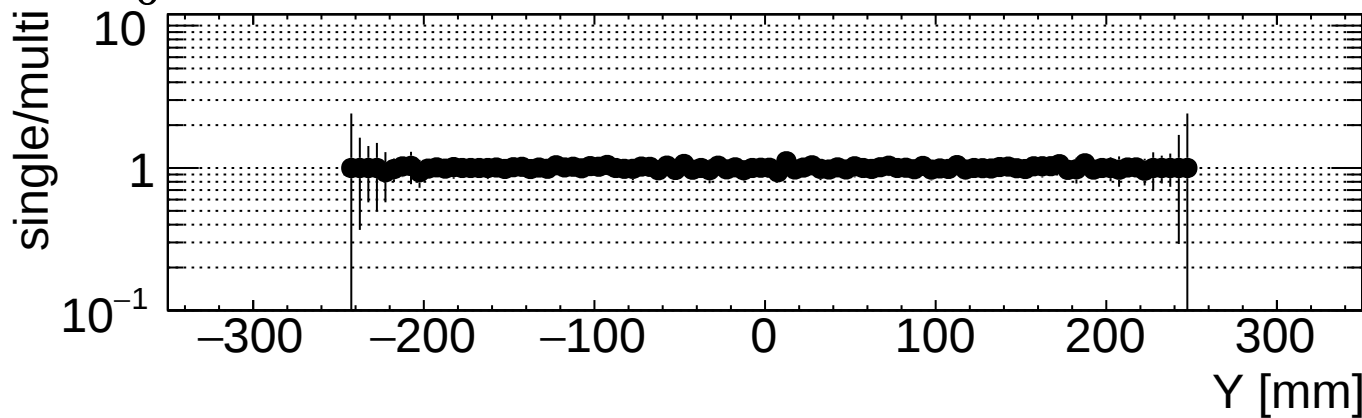
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90

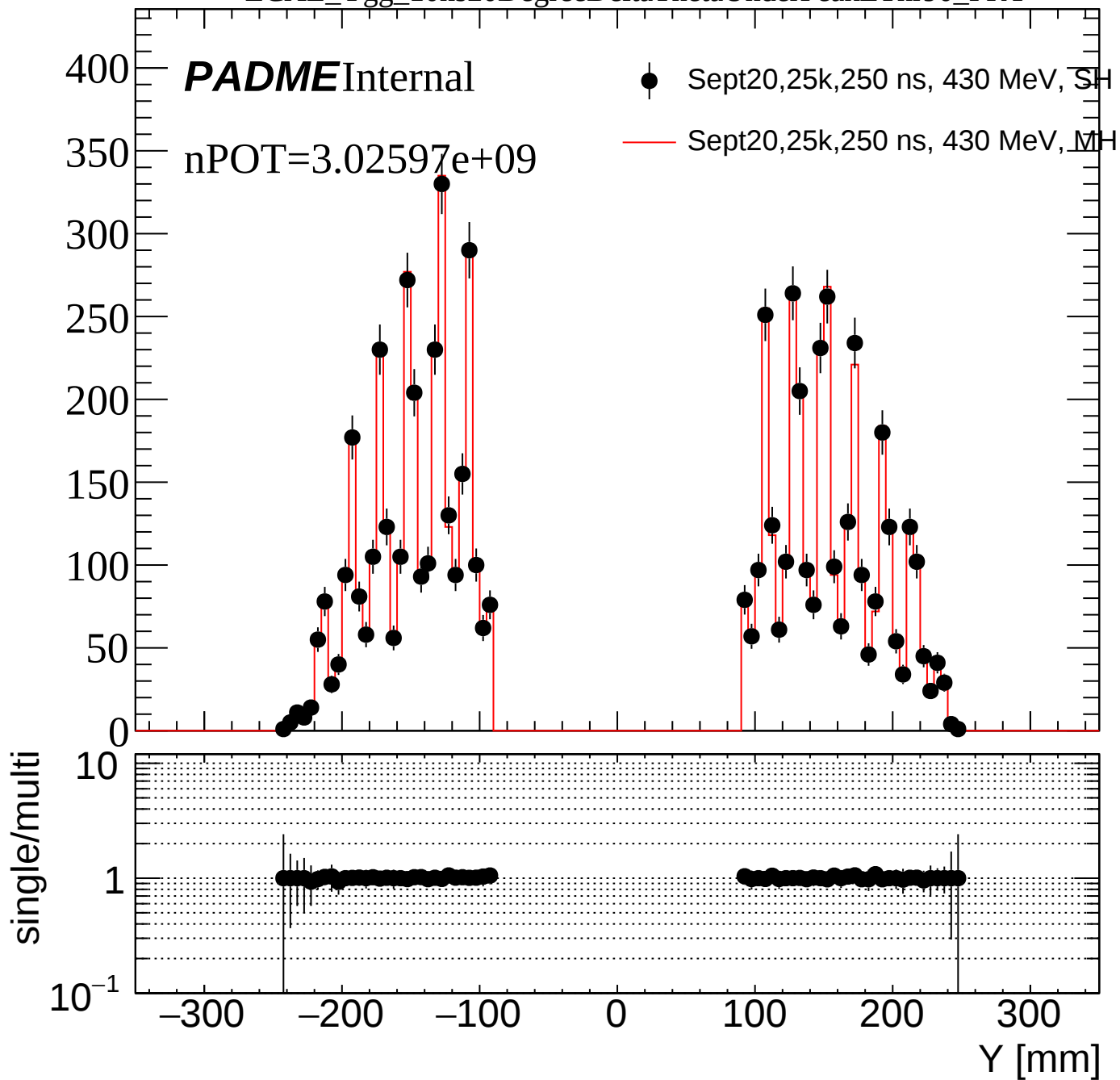
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH





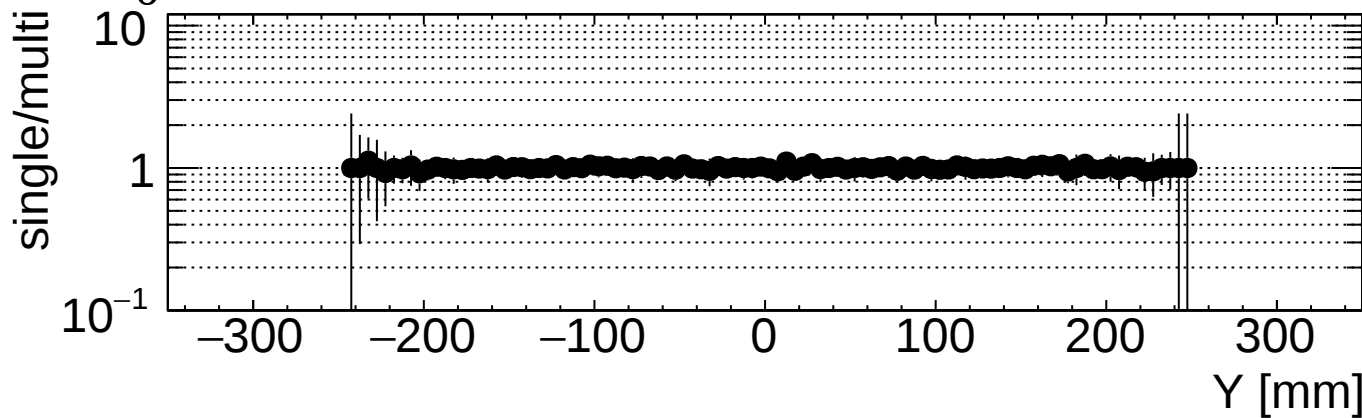
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90

PADME Internal

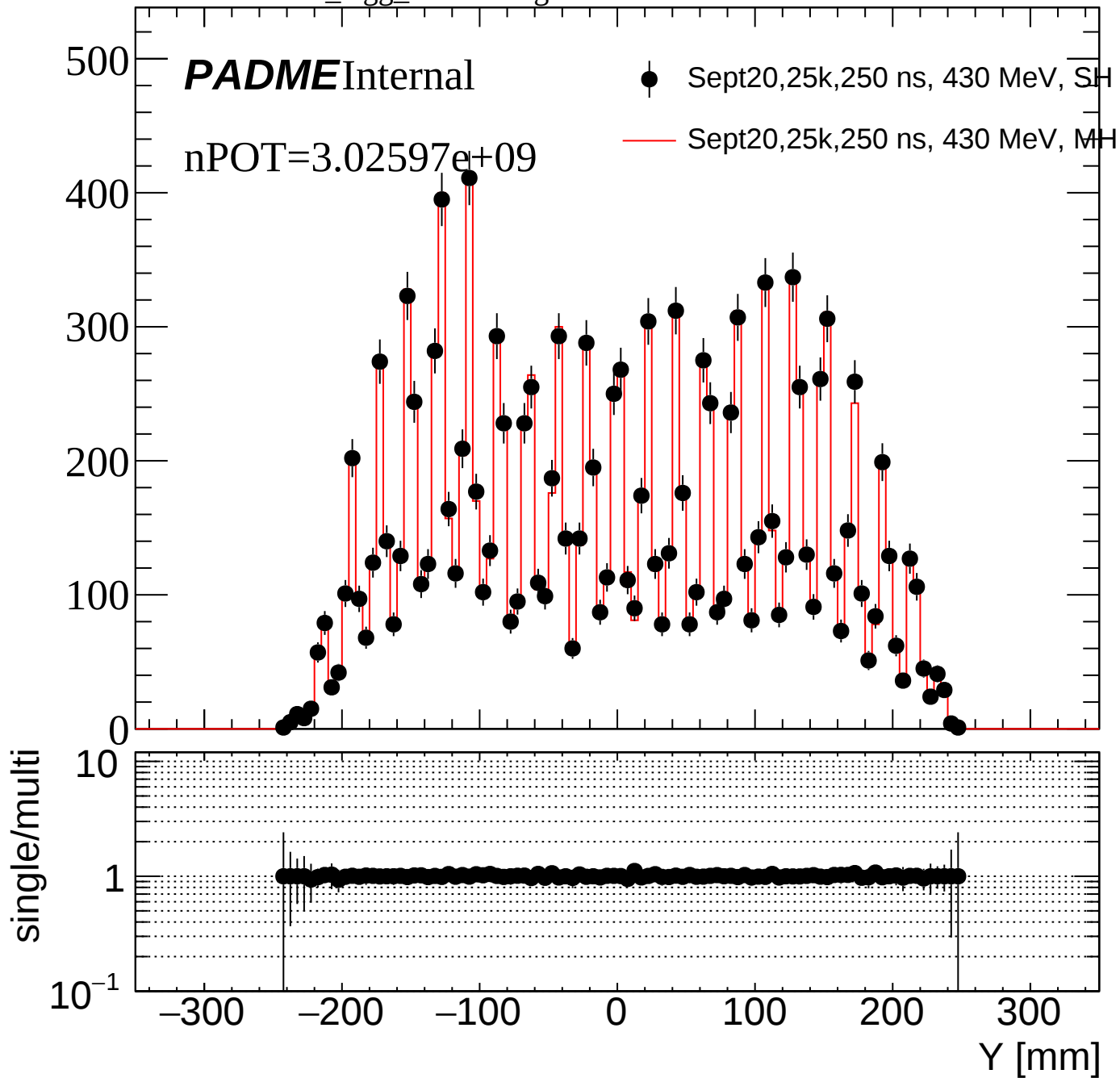
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns20DegreeDeltaThetaEThr90



ECAL_Ygg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

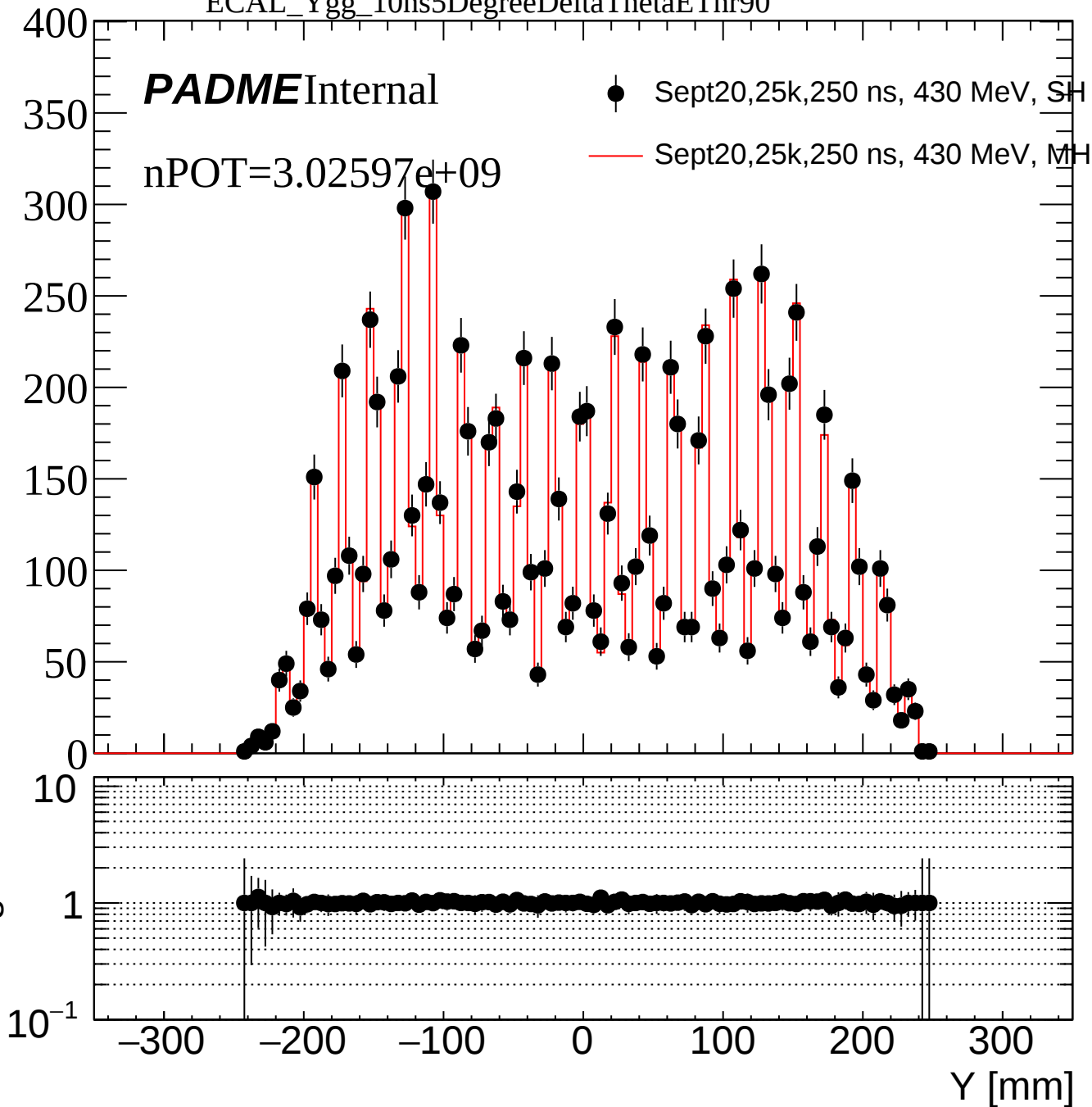
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

Y [mm]



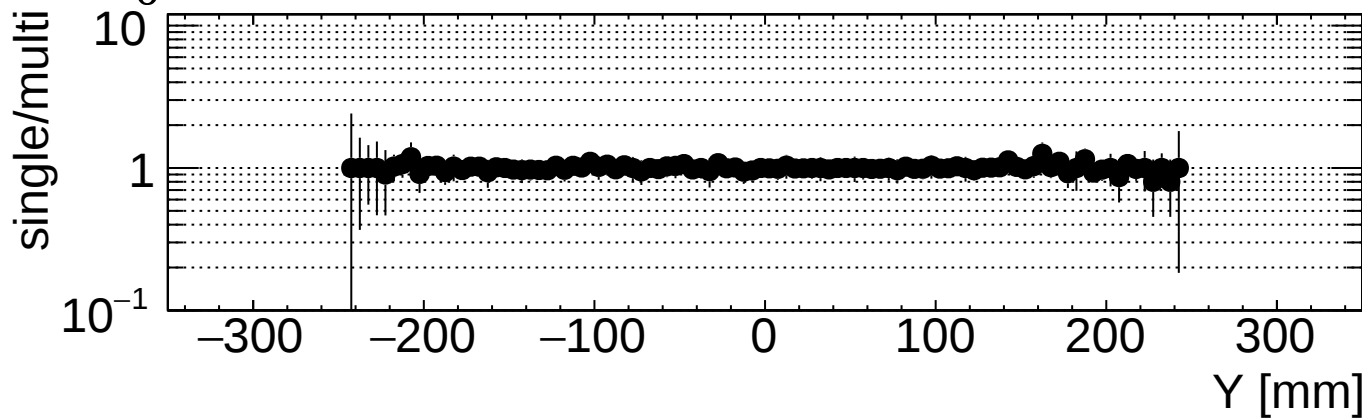
ECAL_Ygg_10ns1CoG

PADMEInternal

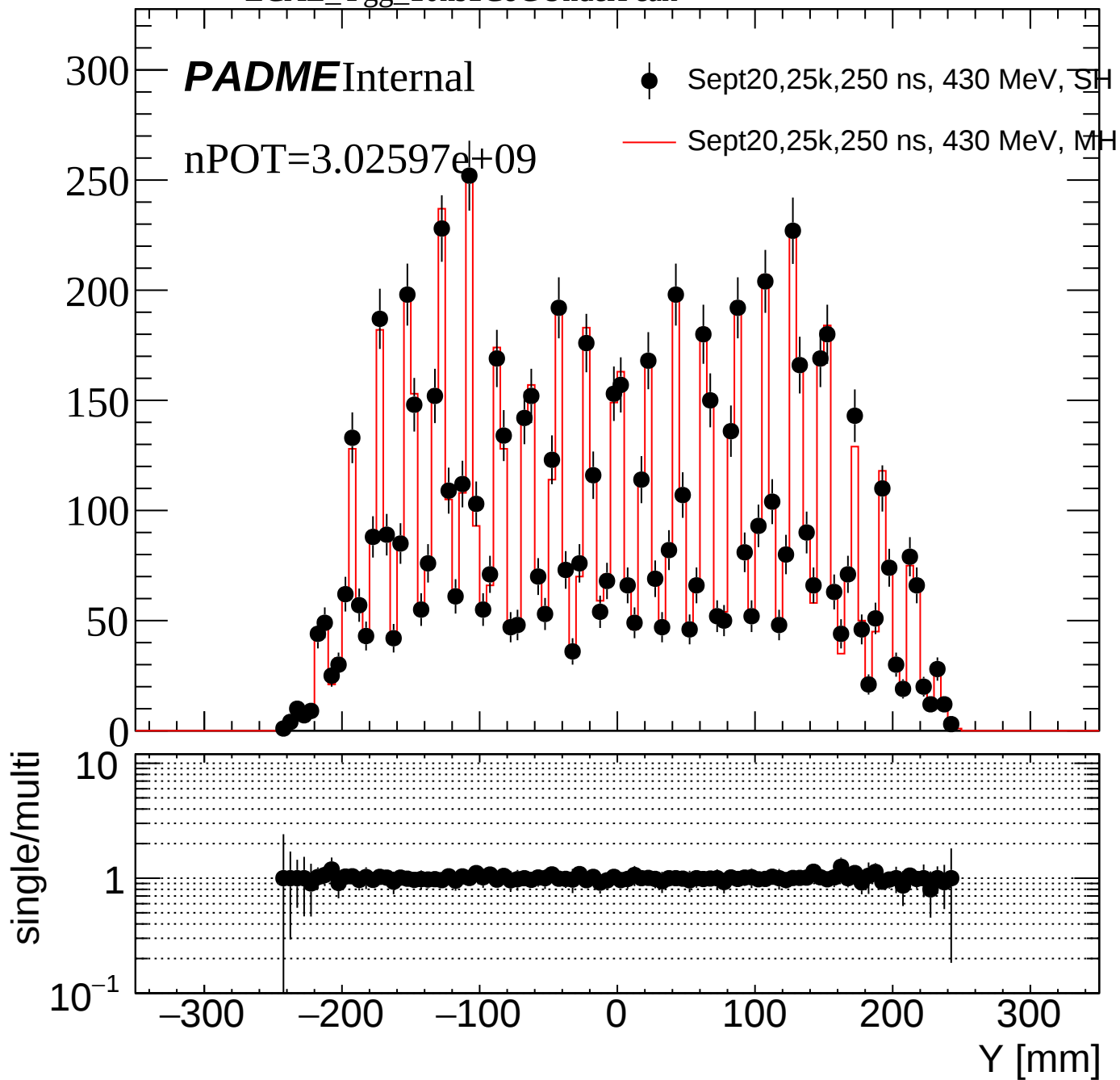
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

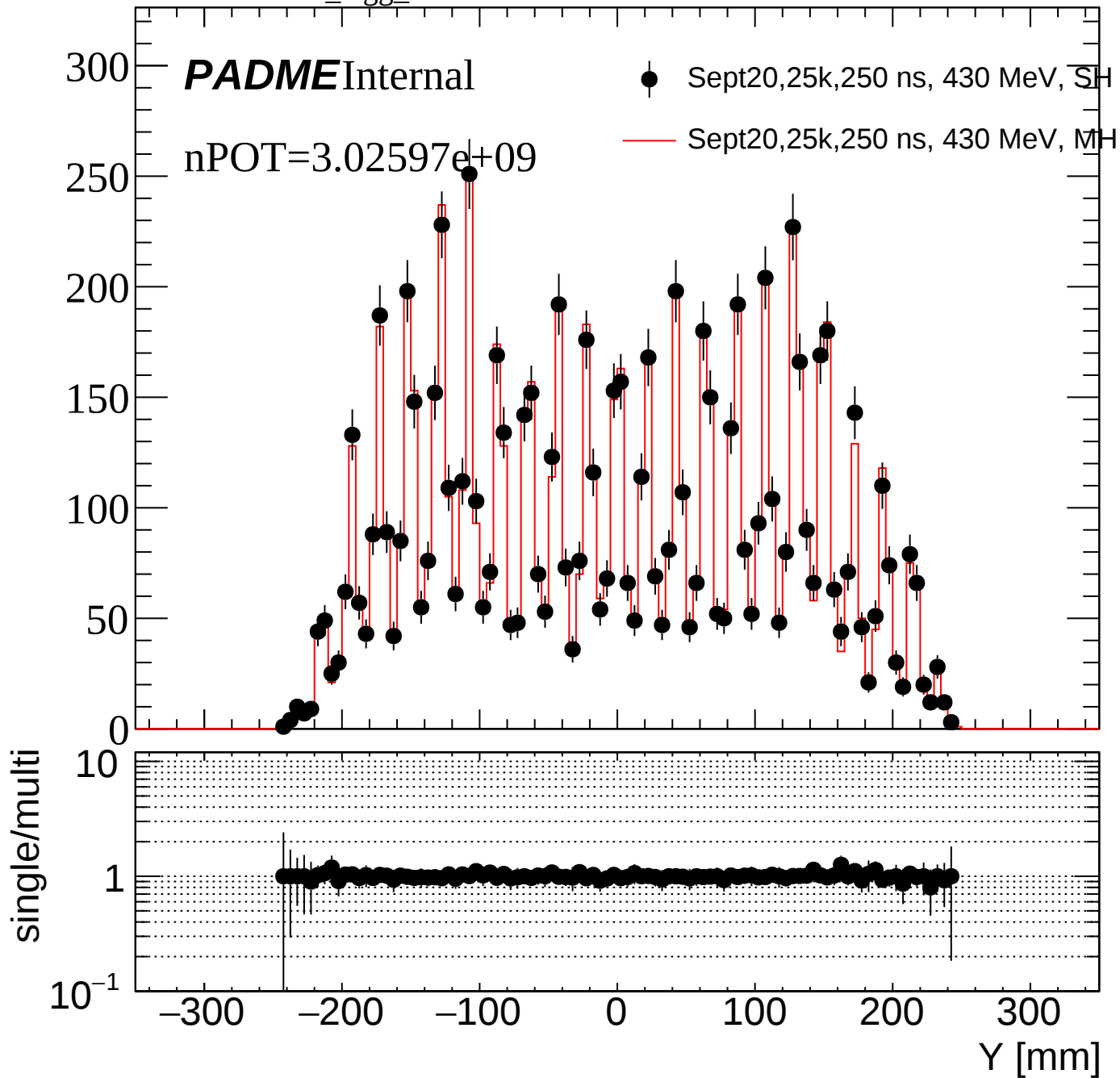
— Sept20,25k,250 ns, 430 MeV, MH



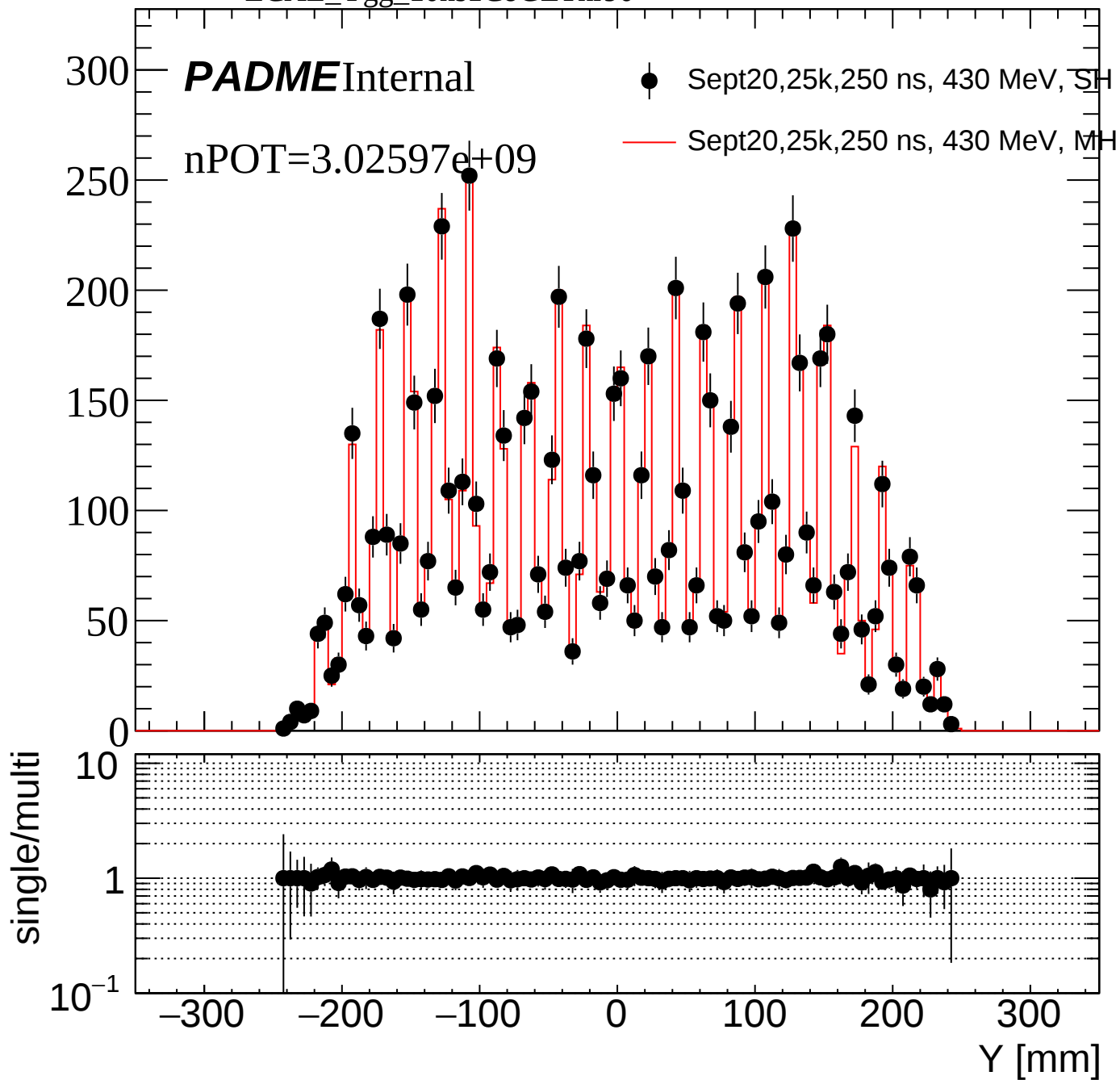
ECAL_Ygg_10ns1CoGUnderPeak



ECAL_Ygg_10ns1CoGUnderPeakEThr90



ECAL_Ygg_10ns1CoGEThr90



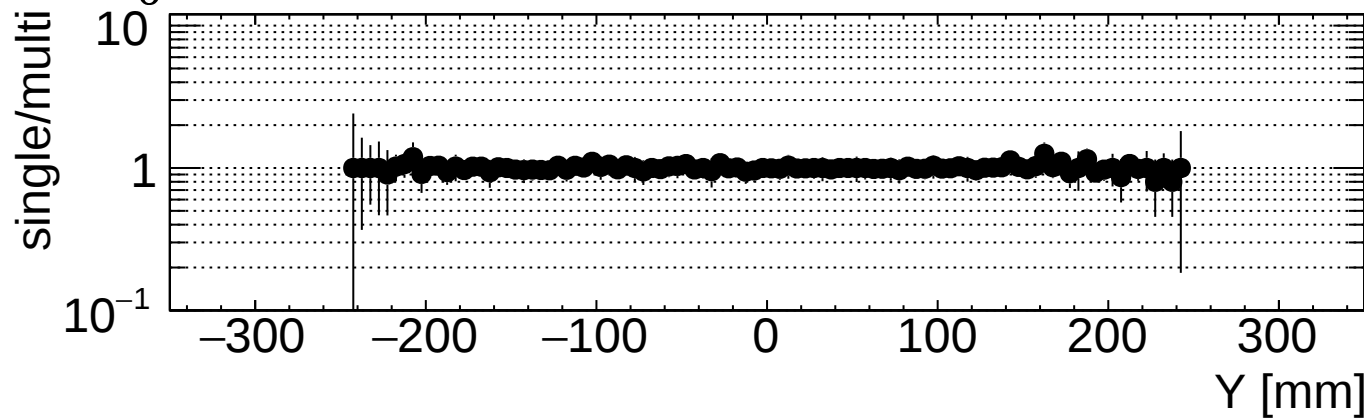
ECAL_Ygg_10ns1CoG20Degree

PADMEInternal

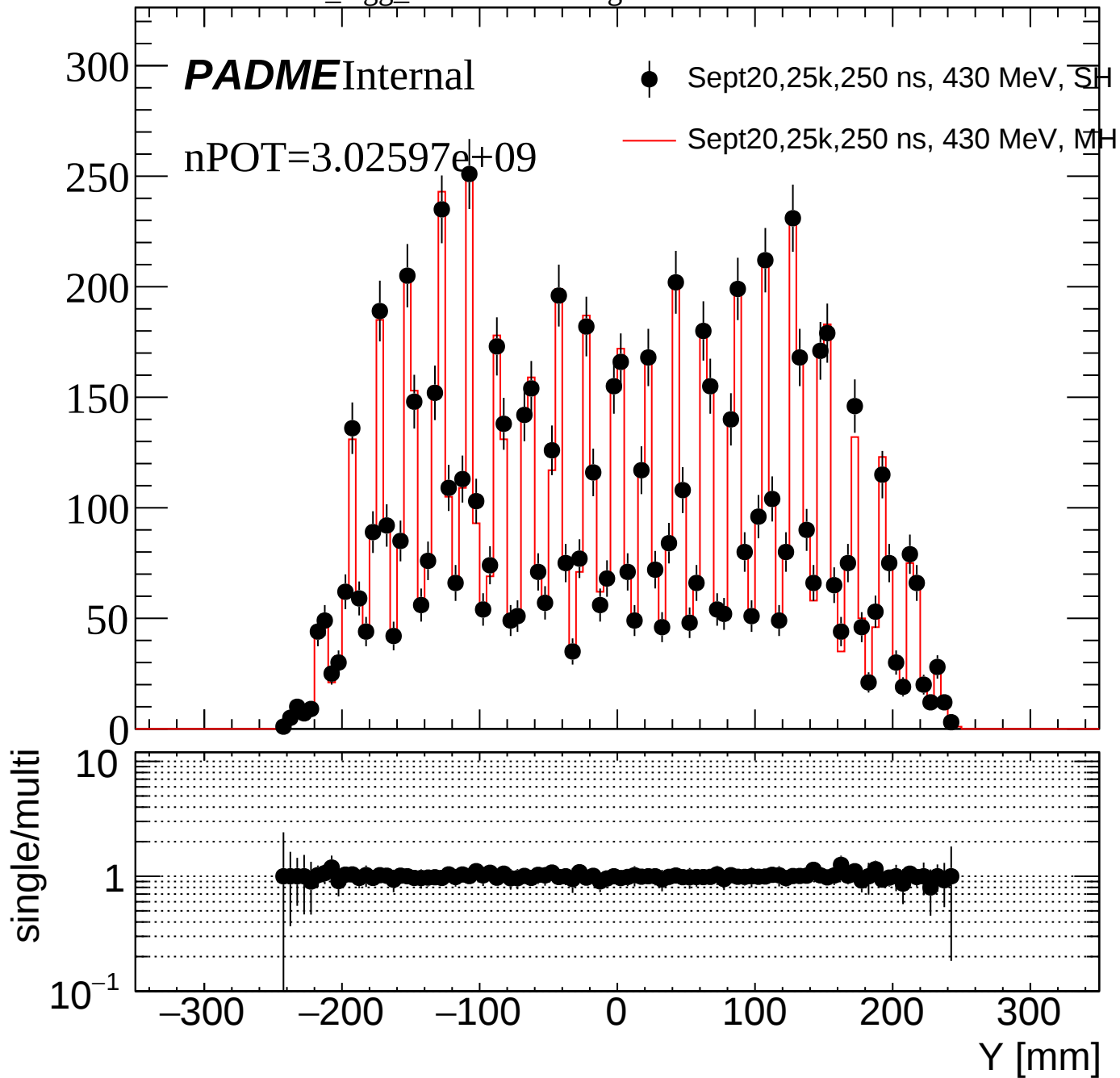
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns1CoG20DegreeDeltaTheta



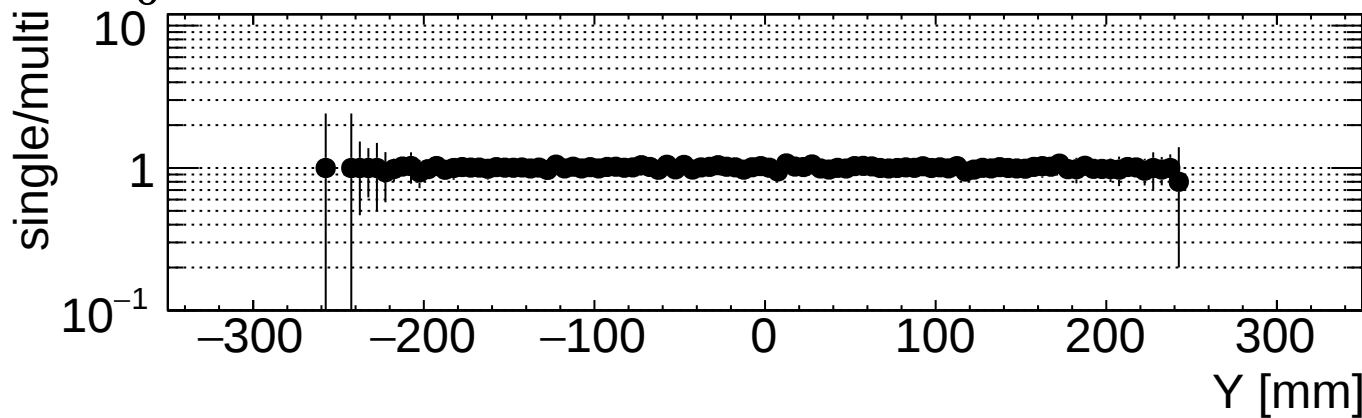
ECAL_Ygg_10ns3CoG

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



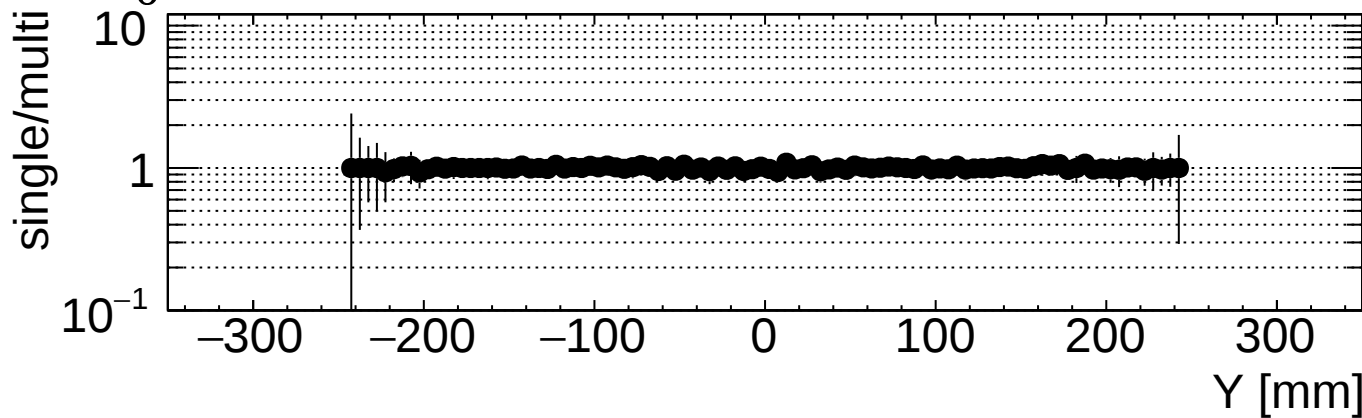
ECAL_Ygg_10ns3CoGUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns3CoGUnderPeakEThr90

PADMEInternal

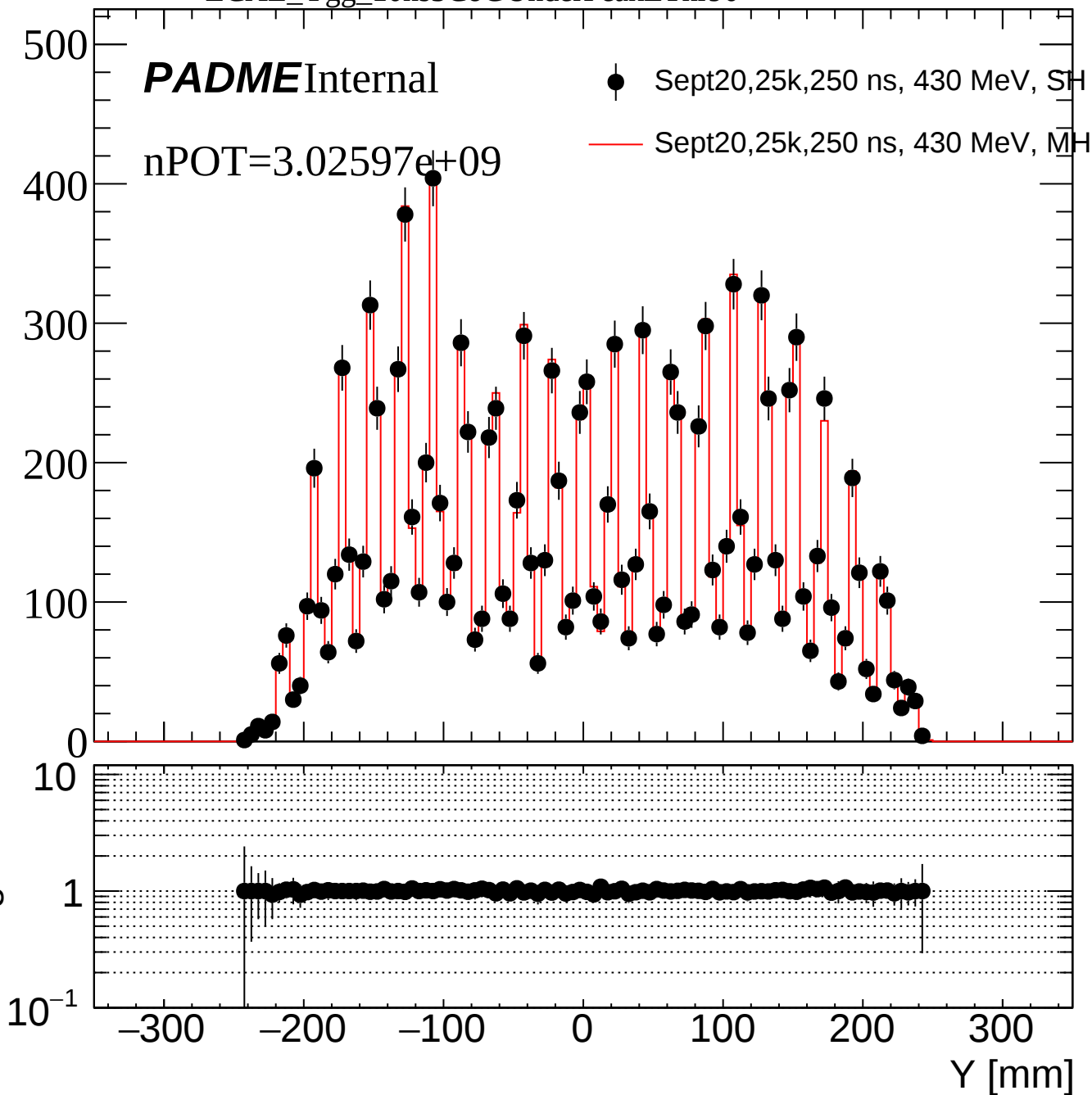
nPOT=3.02597e+09

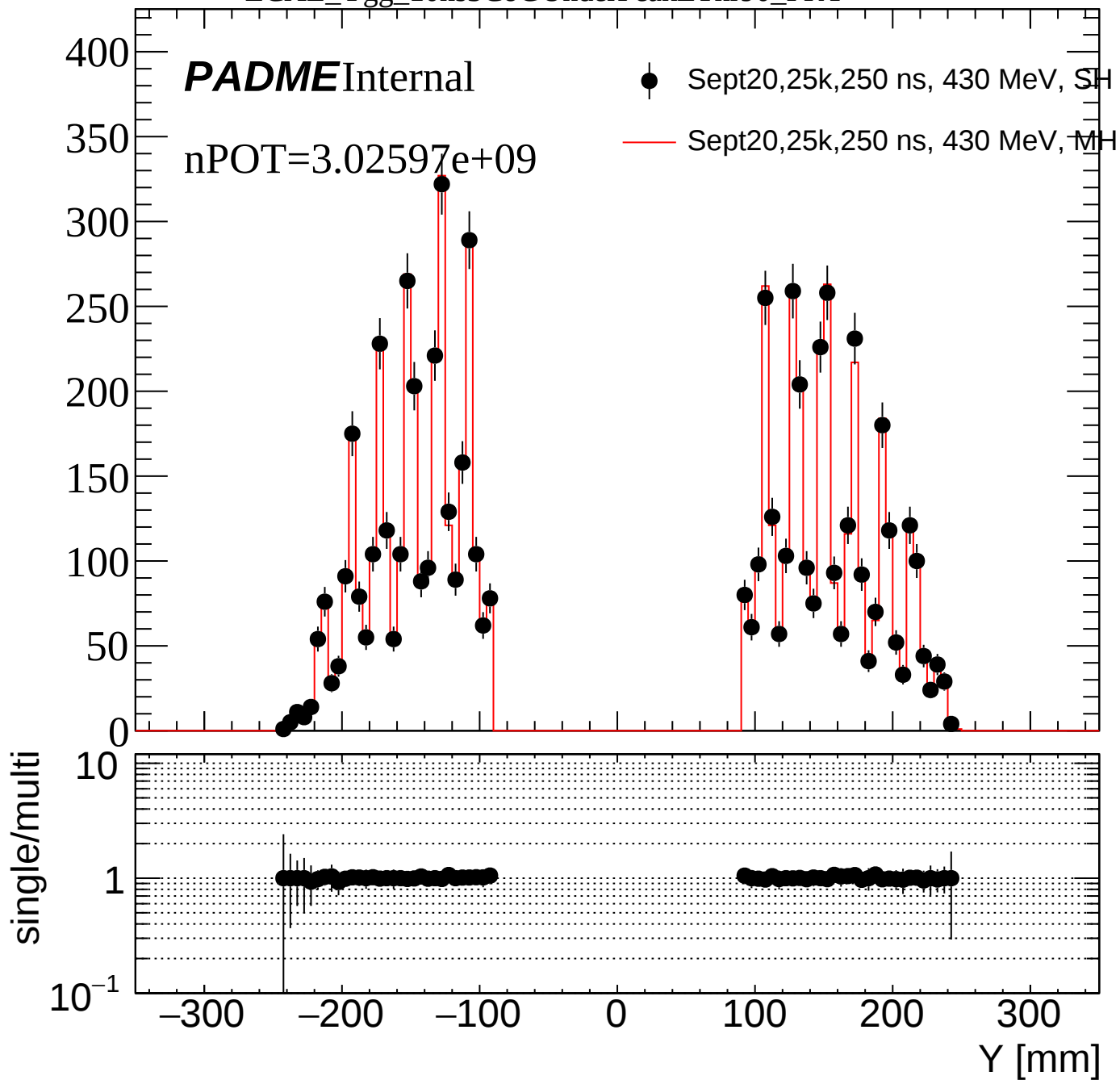
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

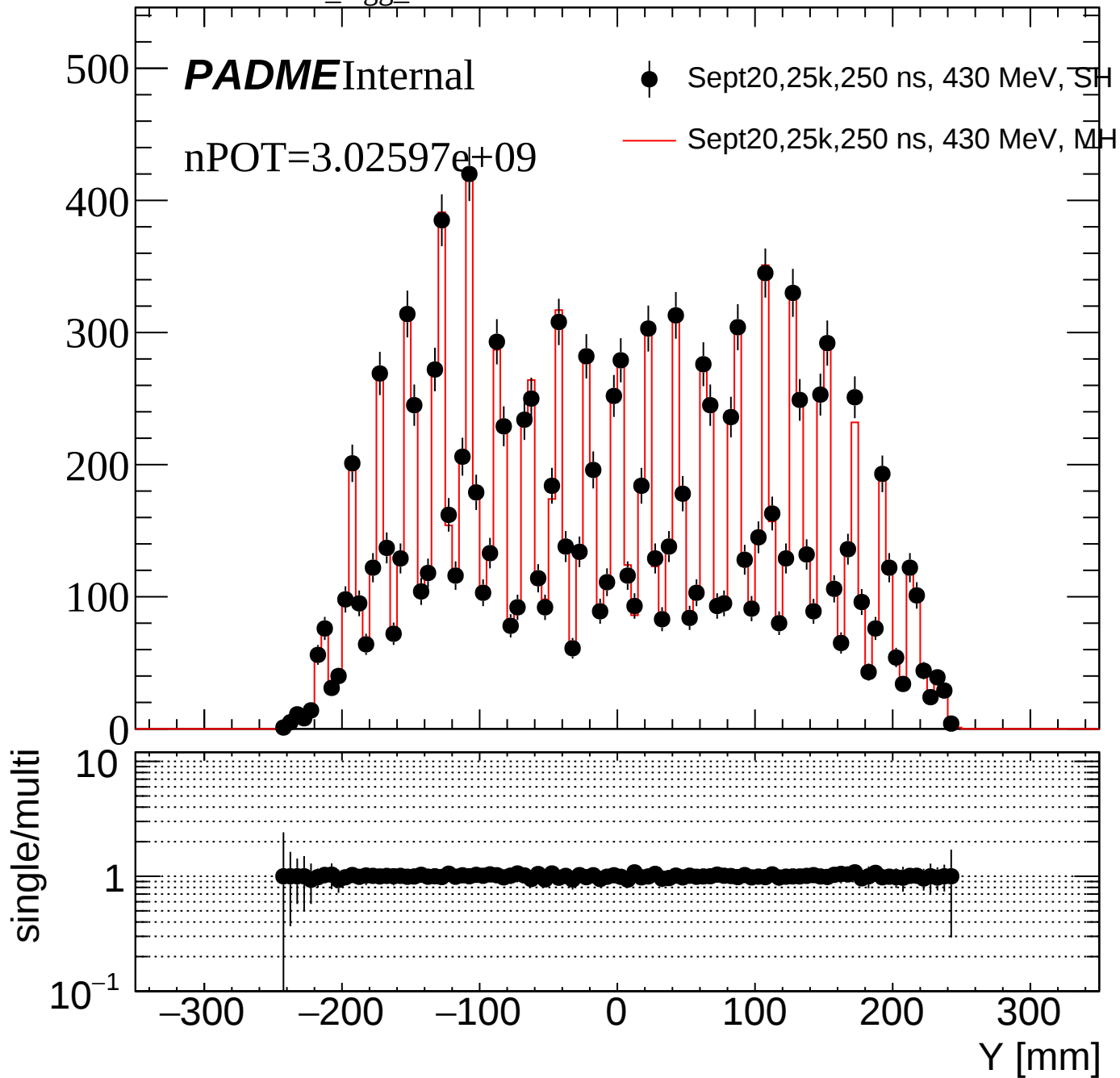
single/multi

Y [mm]

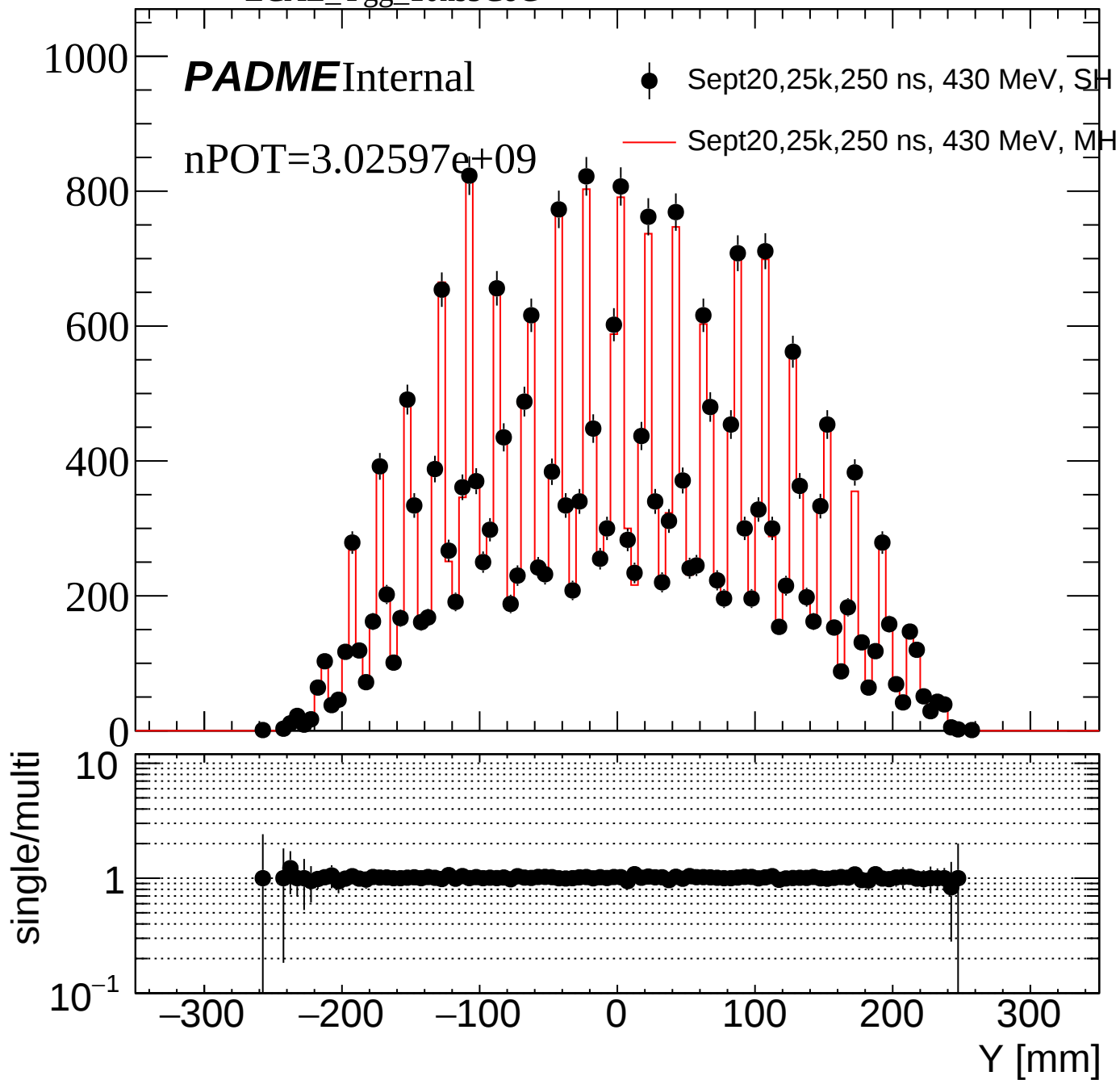




ECAL_Ygg_10ns3CoGEThr90



ECAL_Ygg_10ns5CoG



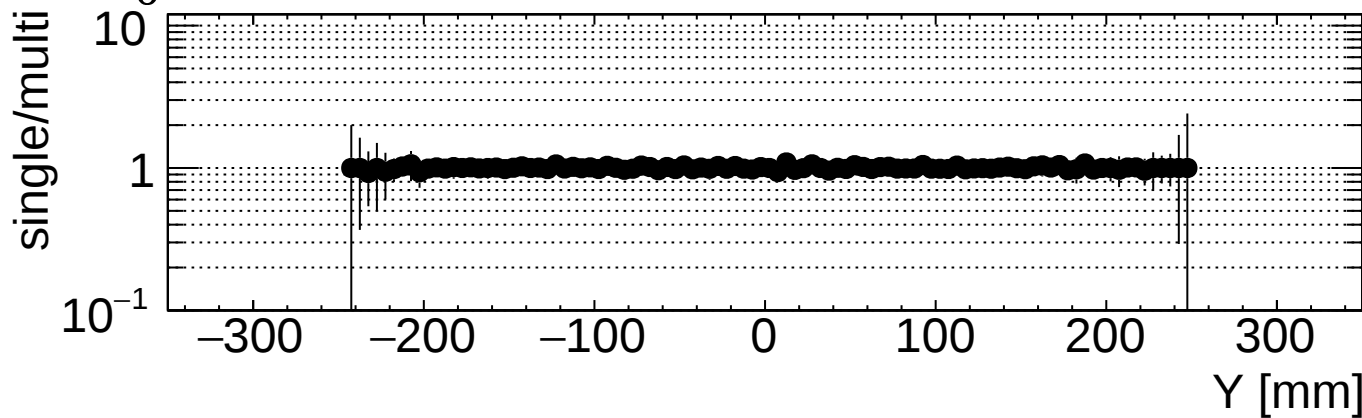
ECAL_Ygg_10ns5CoGUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



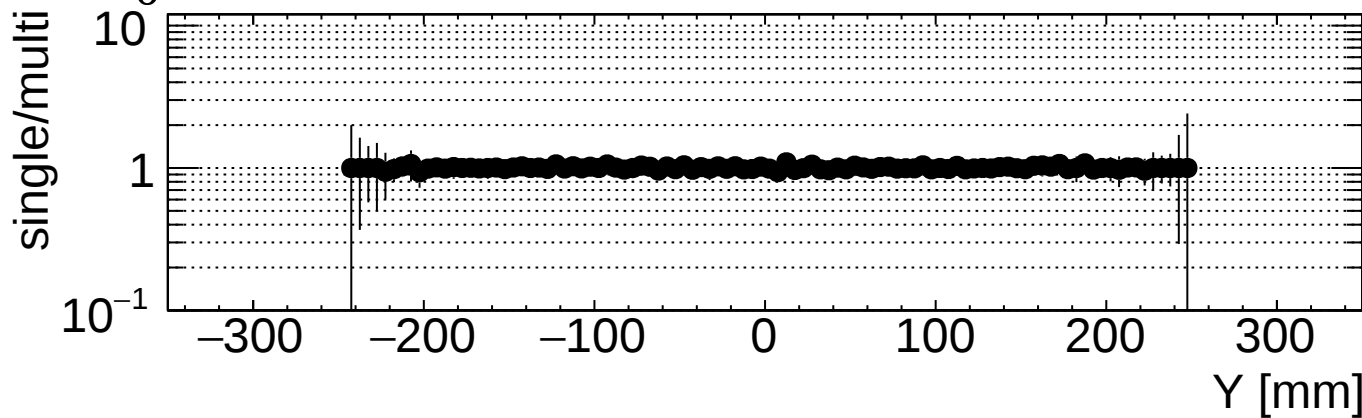
ECAL_Ygg_10ns5CoGUnderPeakEThr90

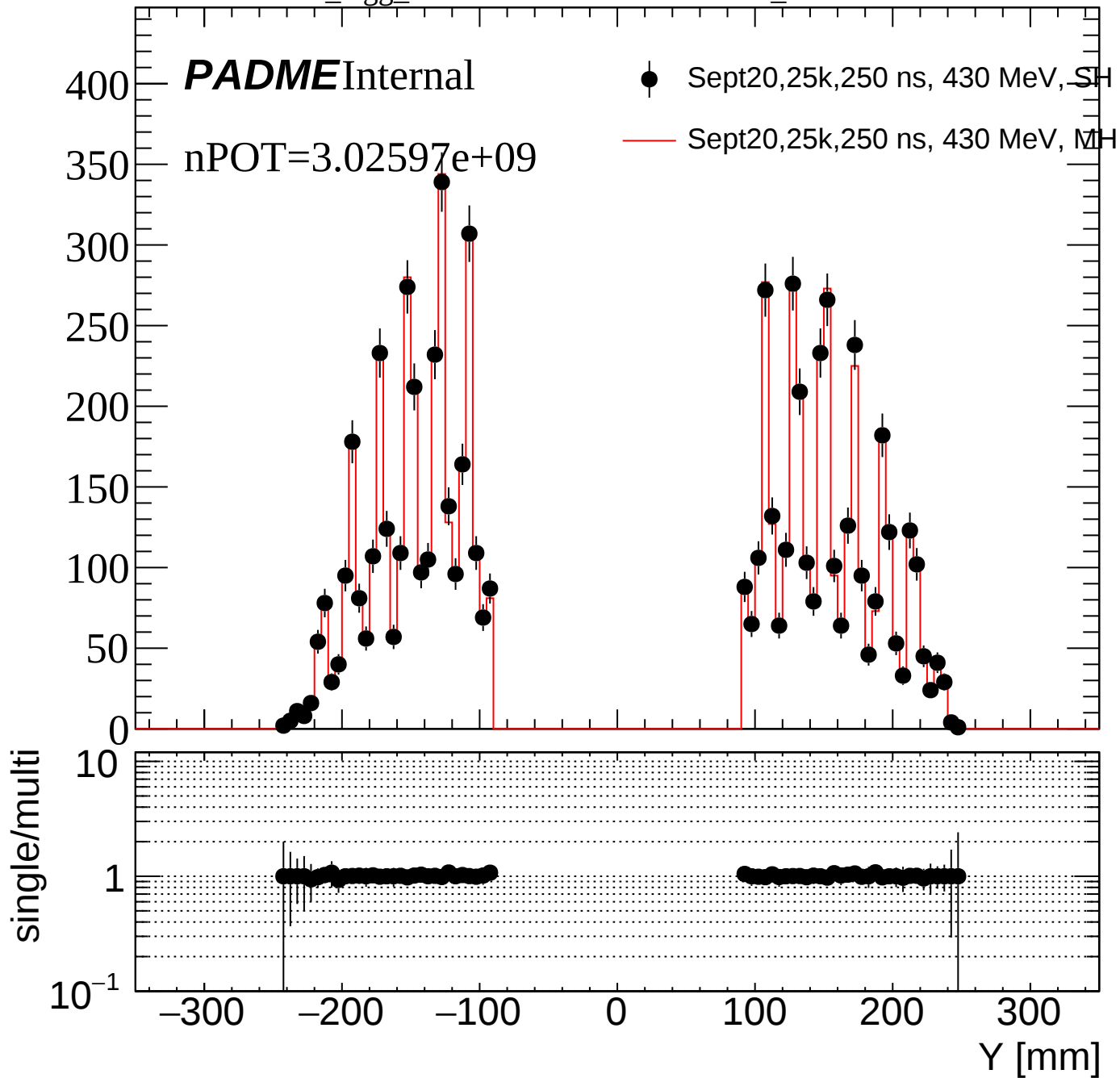
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH





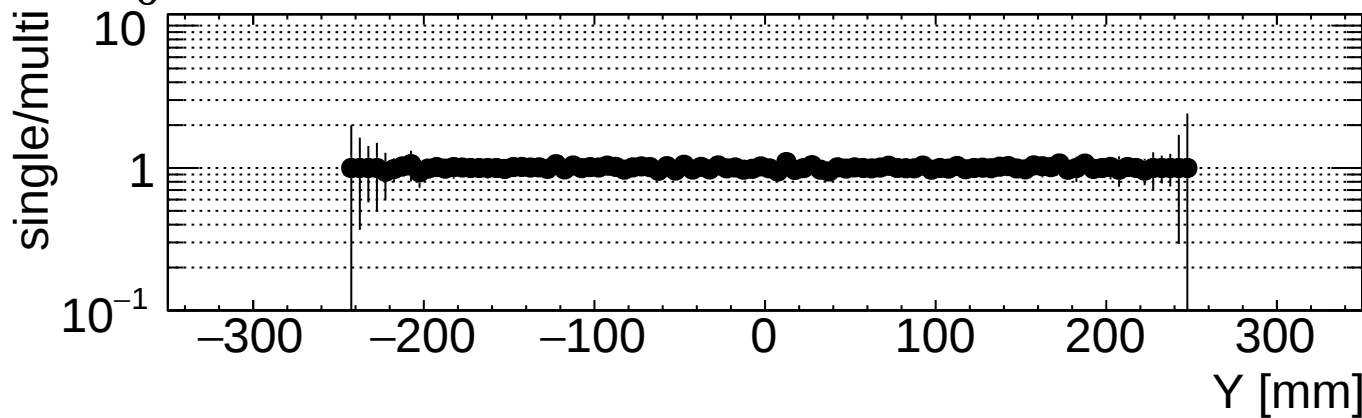
ECAL_Ygg_10ns5CoGEThr90

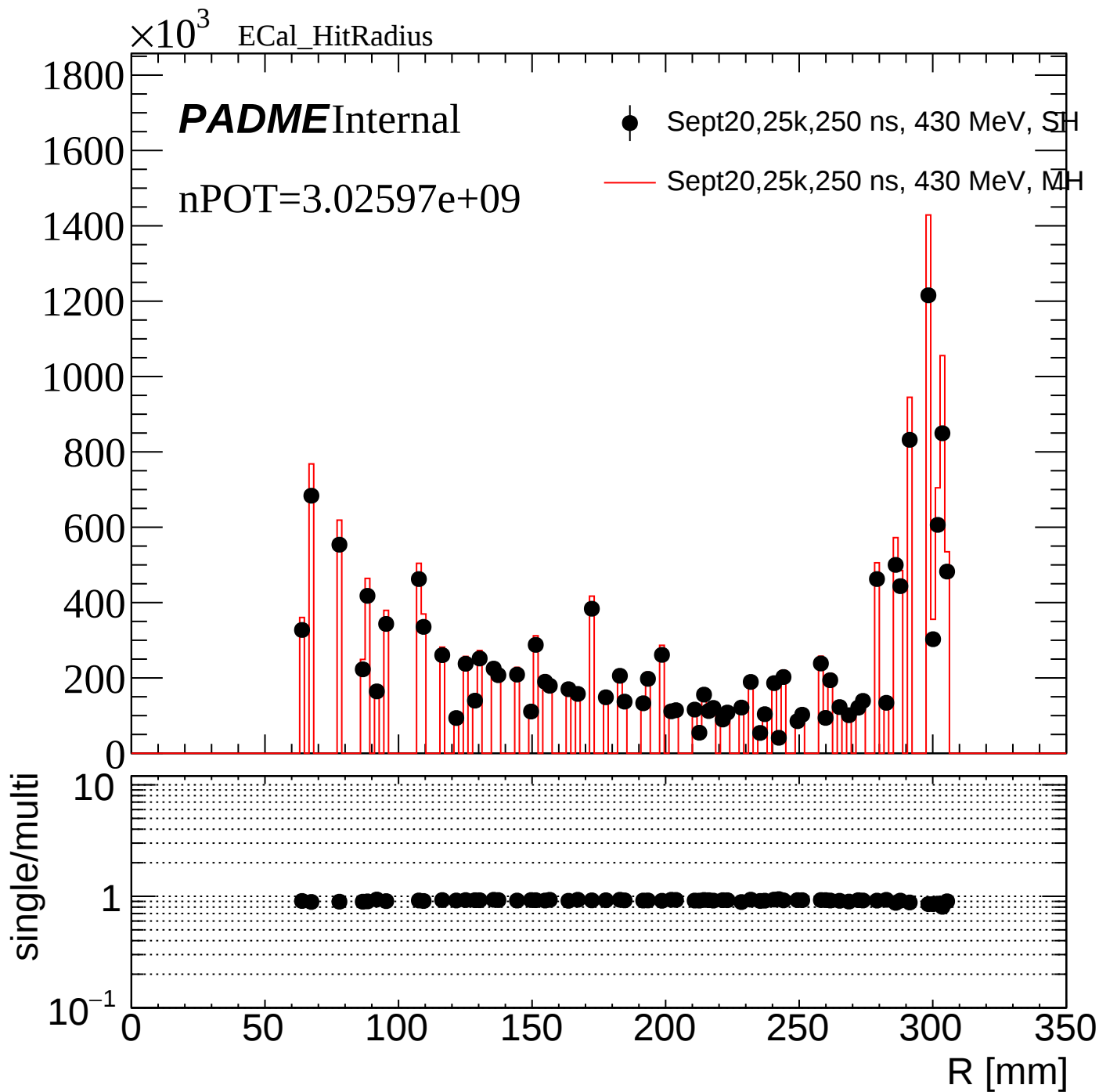
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH





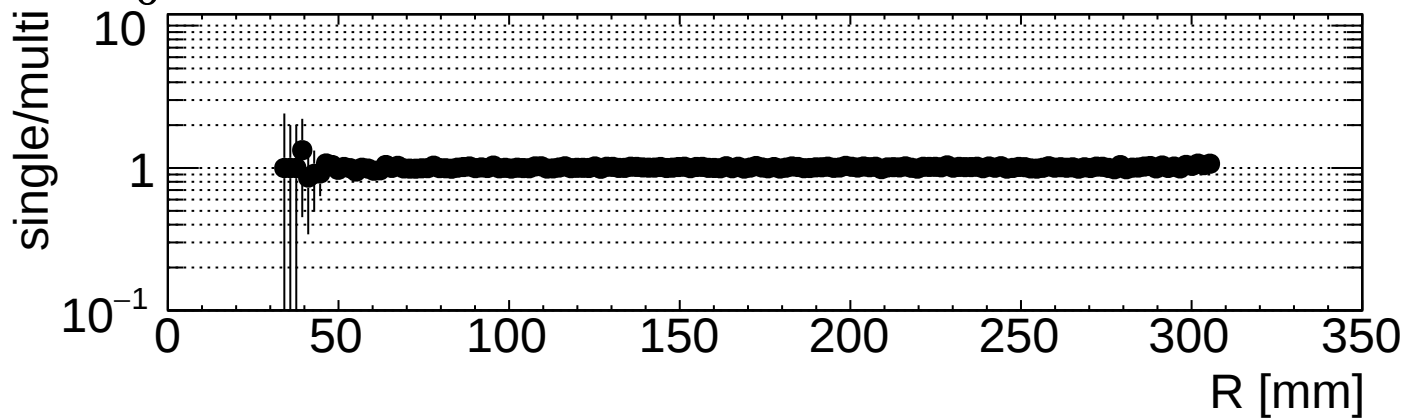
ECAL_RggAllClusters

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns

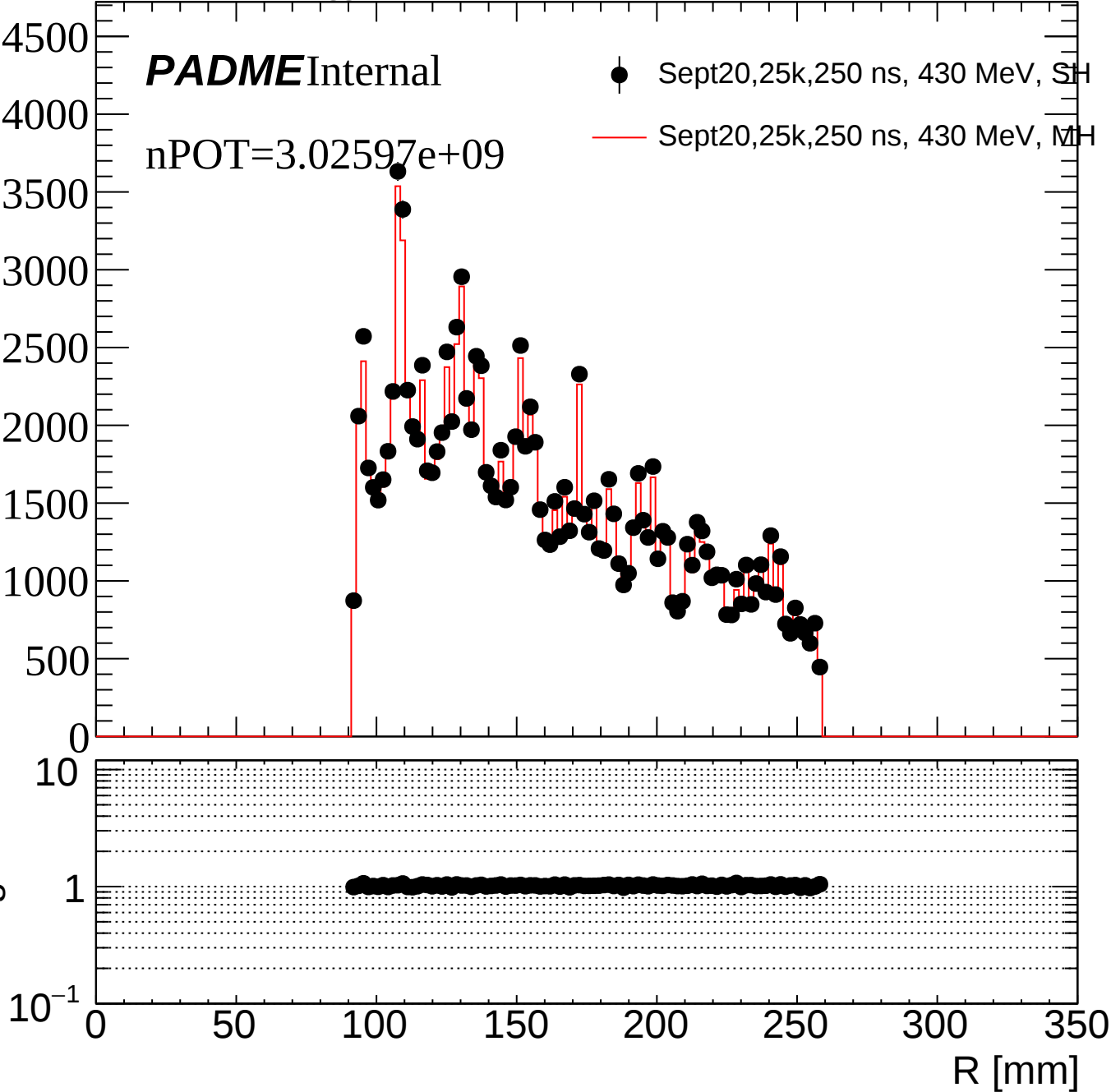
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns20Degree

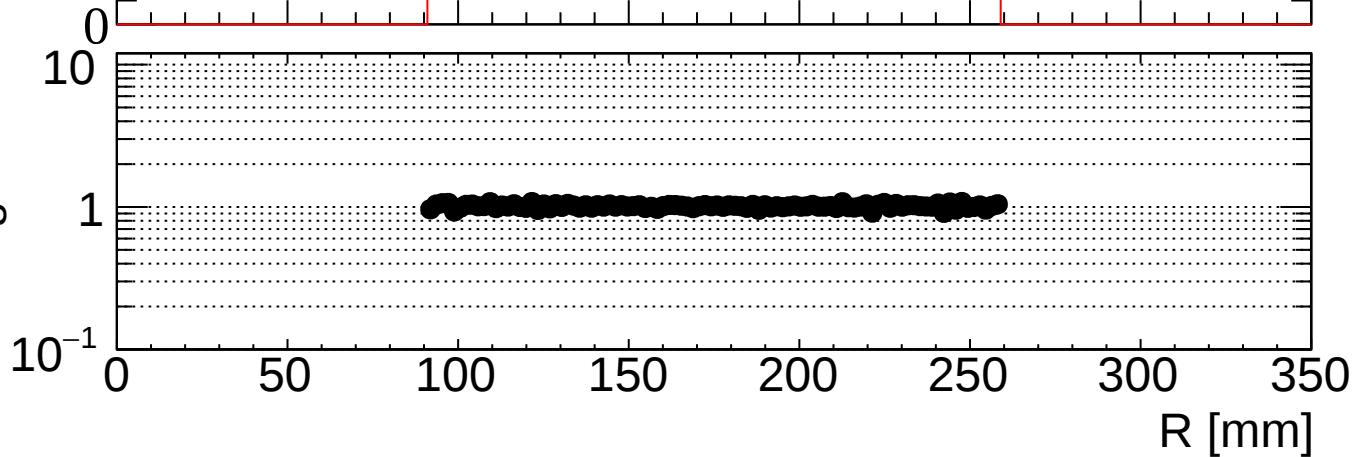
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns20DegreeDeltaTheta

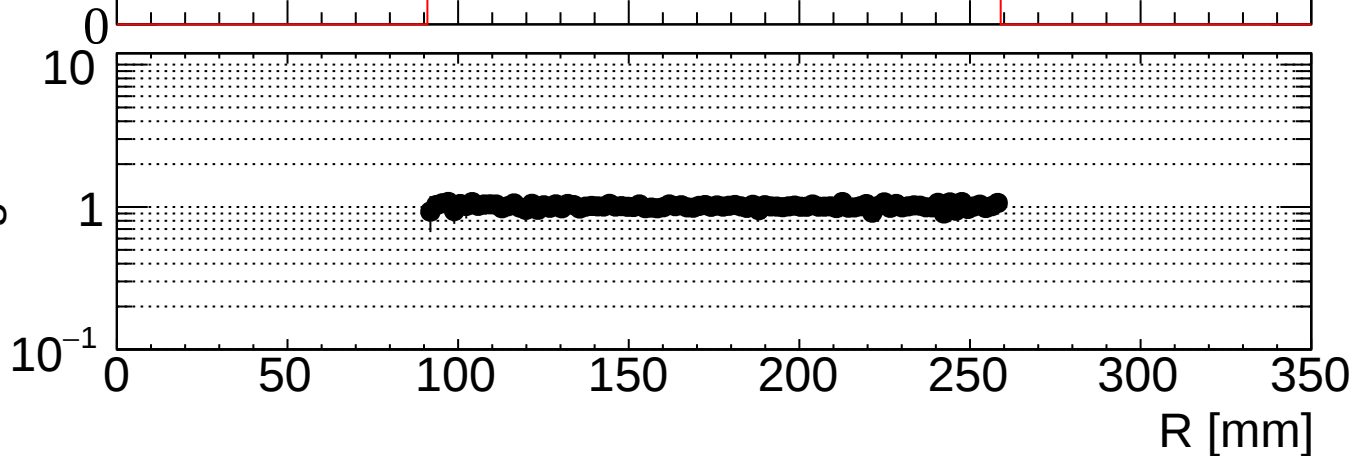
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG

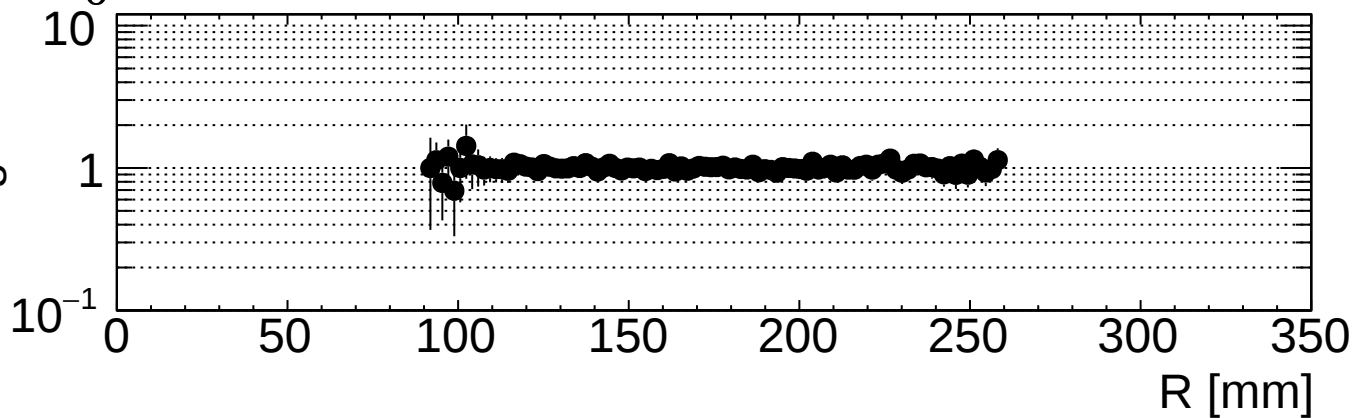
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoGEThr90

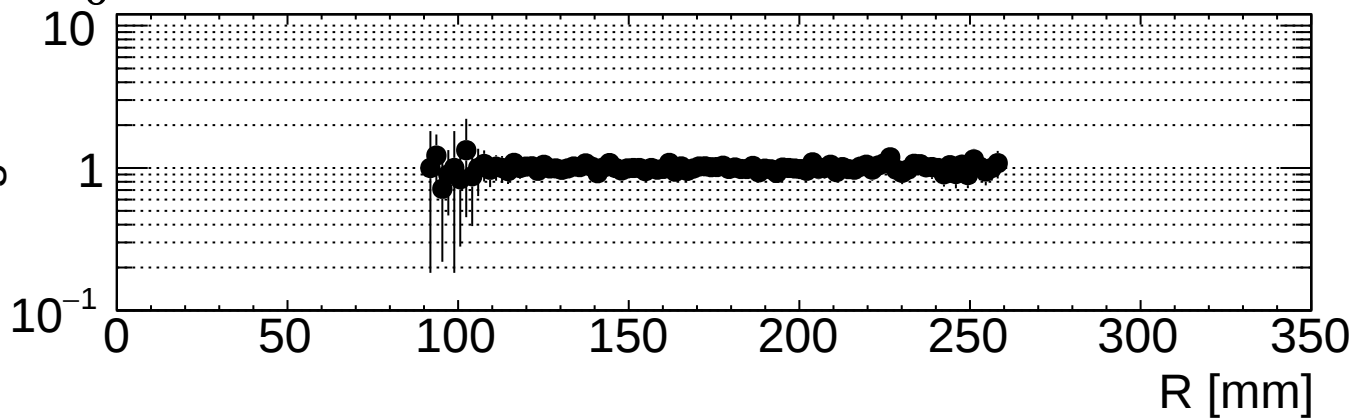
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20Degree

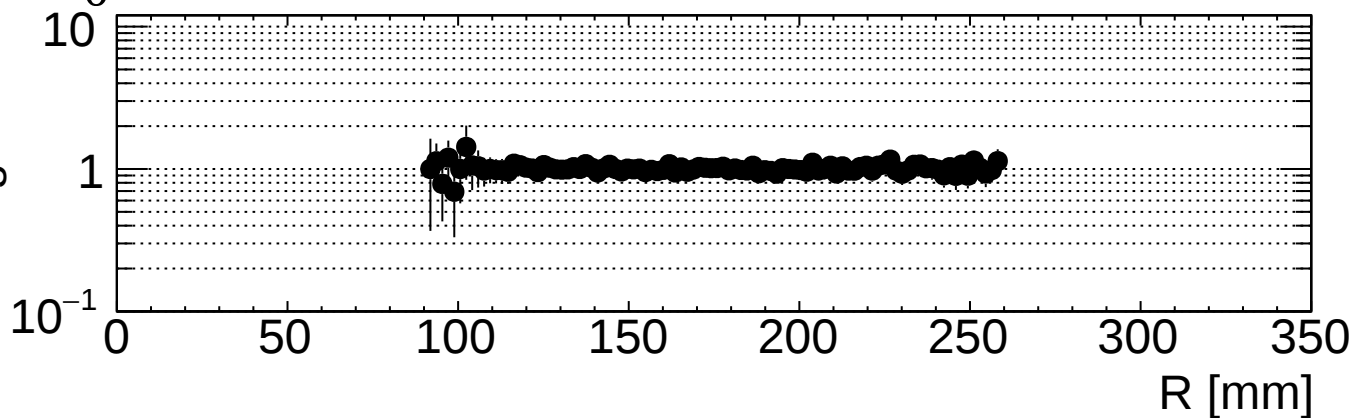
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeDeltaTheta

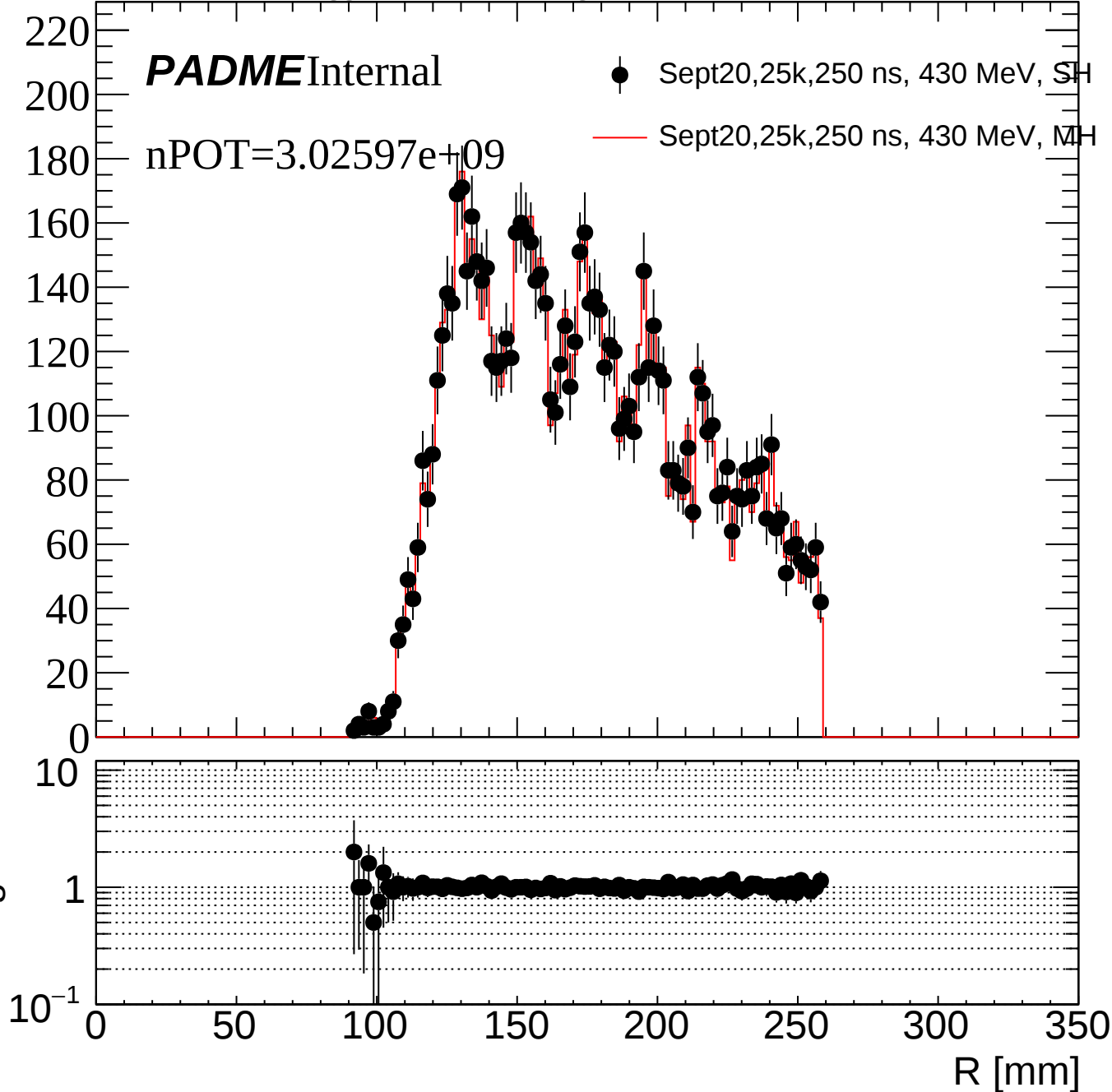
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns5DegreeDeltaTheta

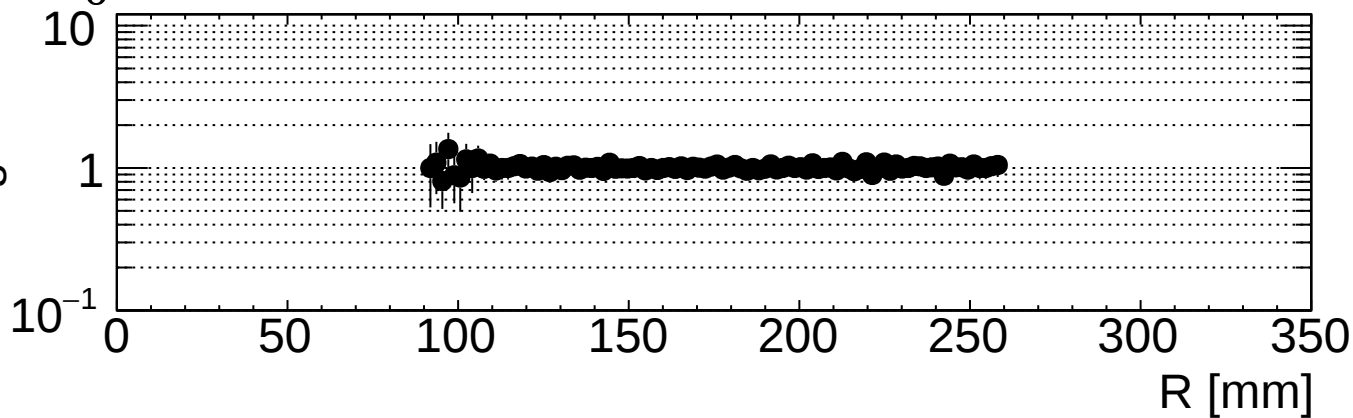
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns3CoG

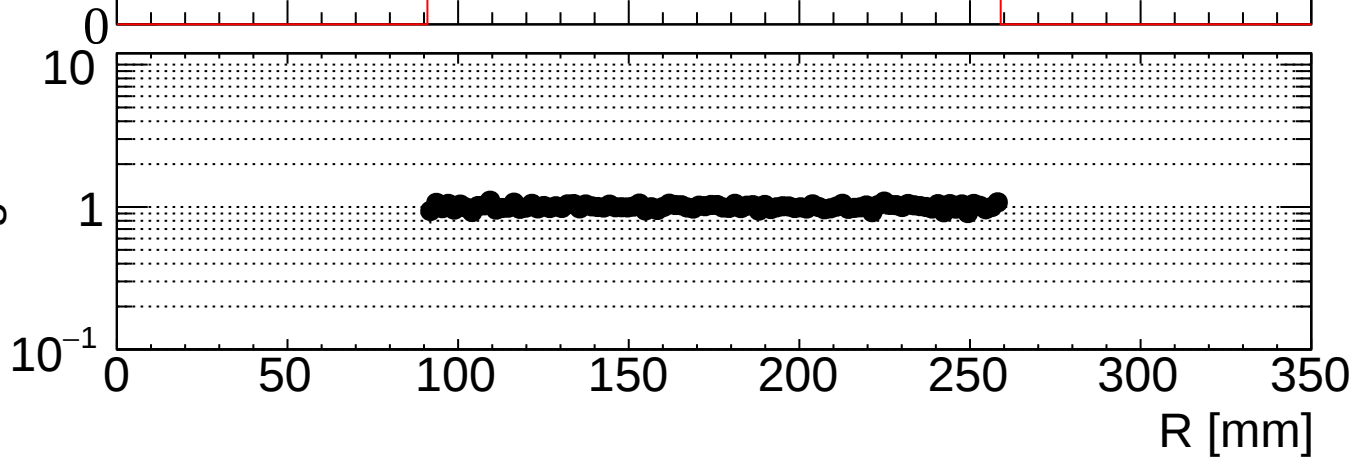
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns3CoGUnderPeak

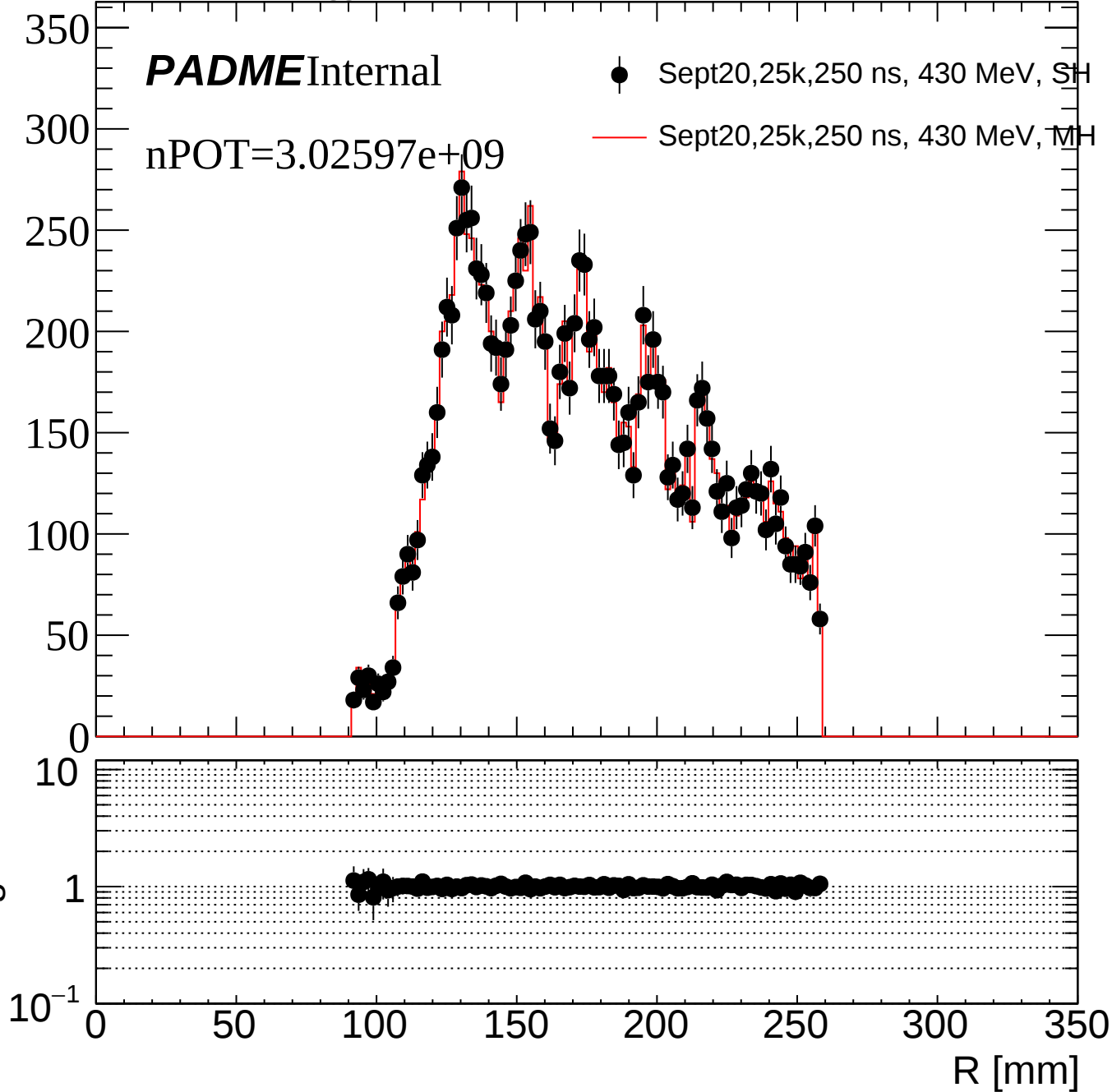
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns3CoGUnderPeakEThr90

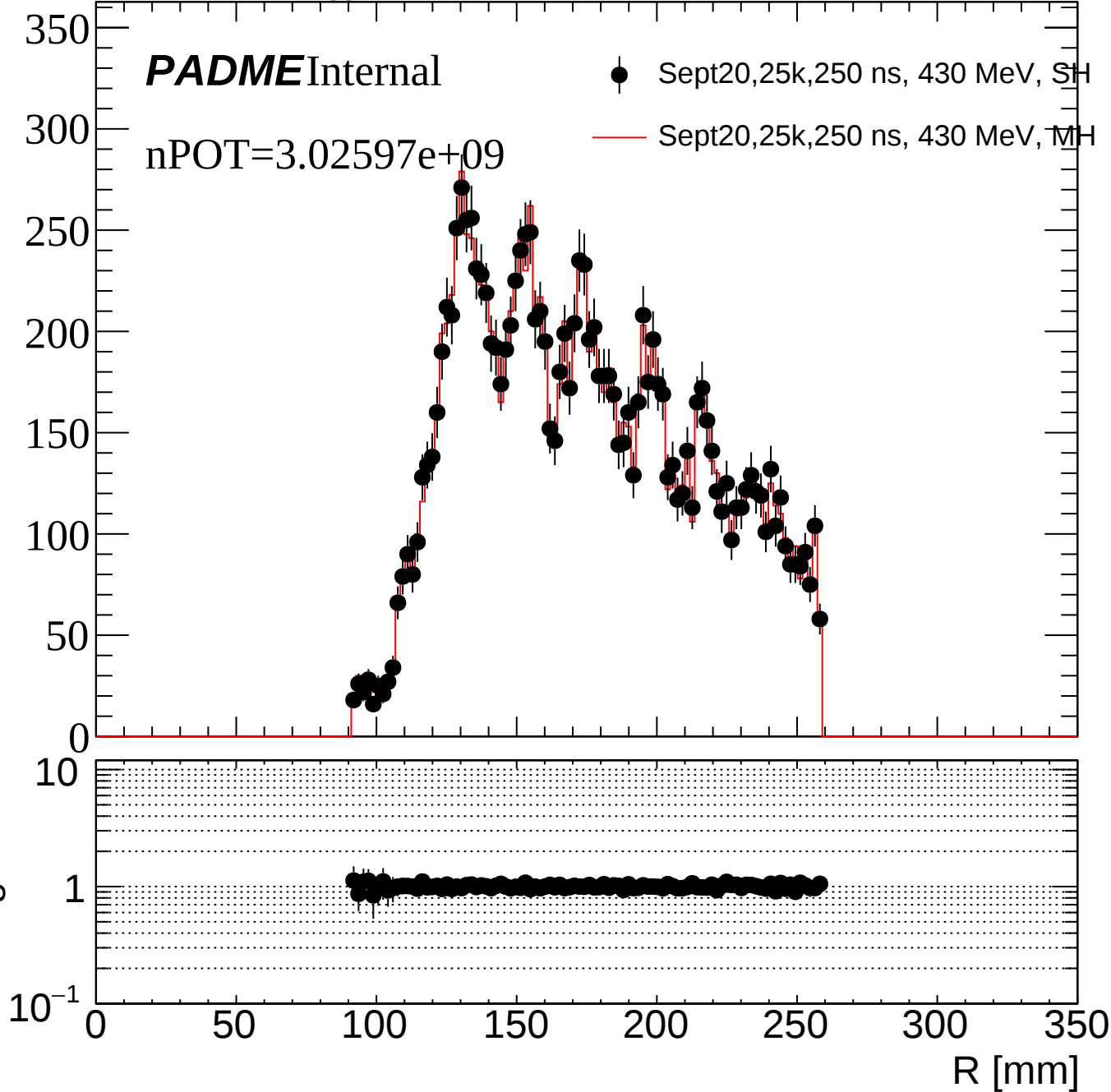
PADMEInternal

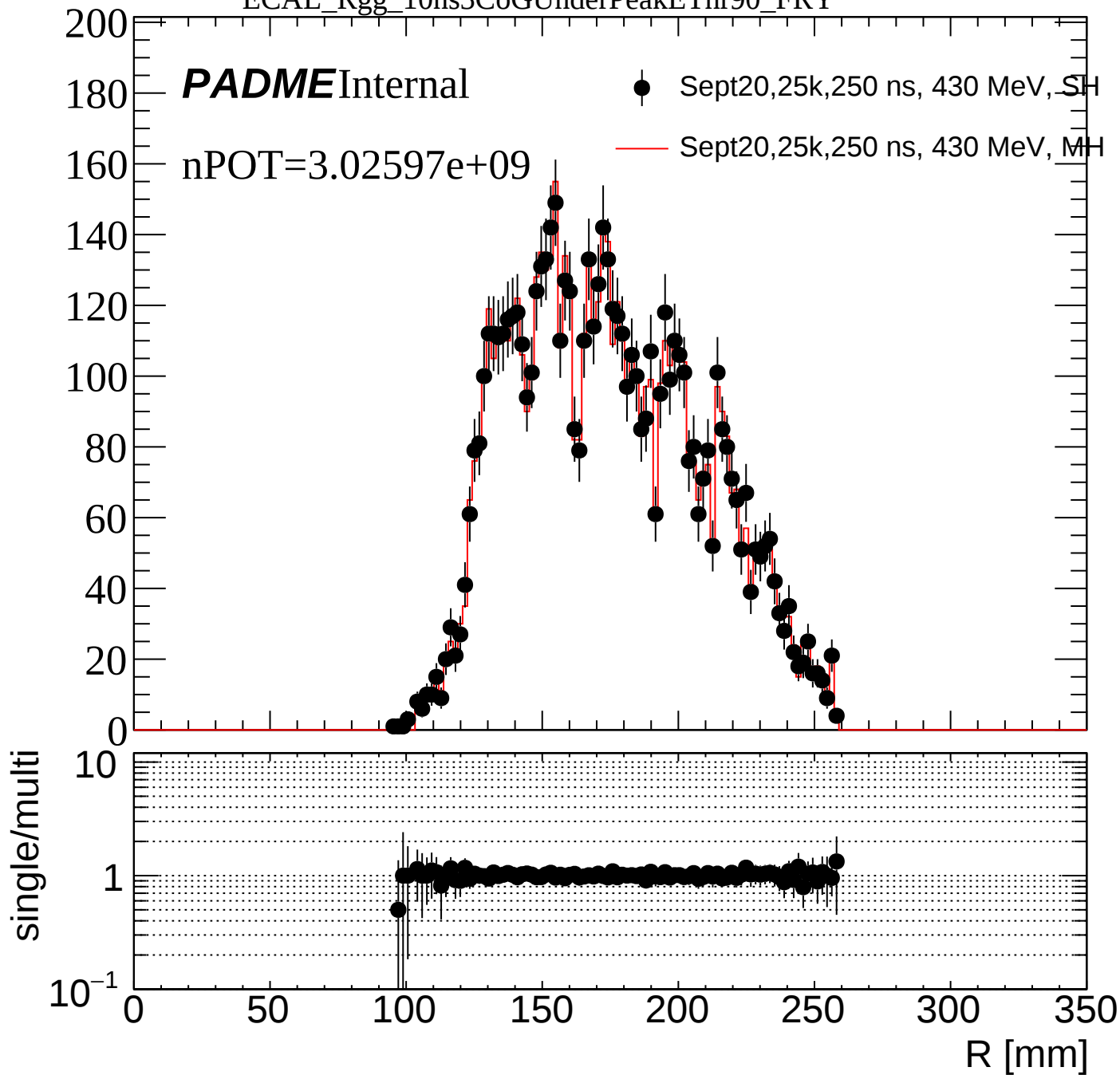
nPOT=3.02597e+09

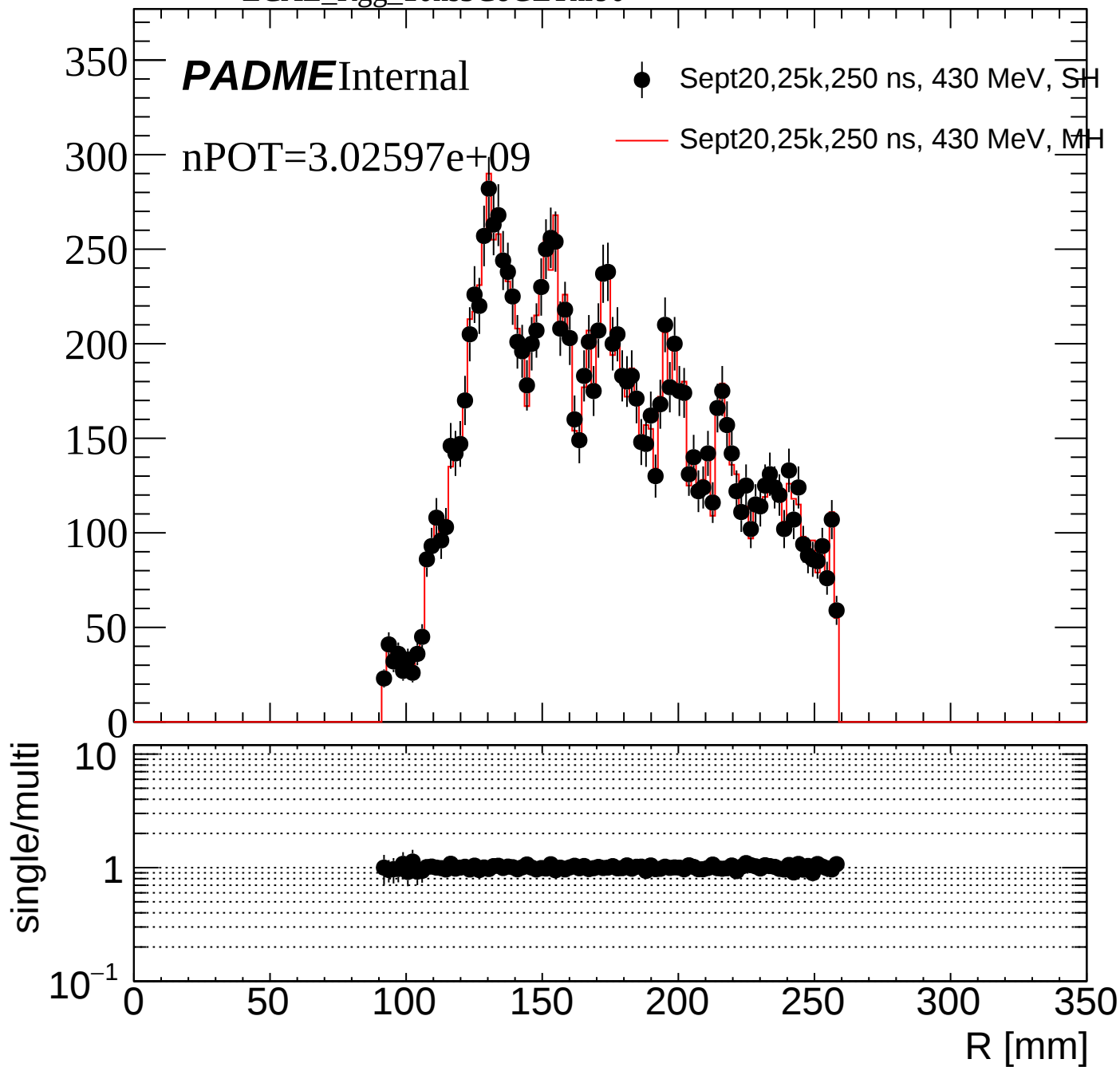
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi







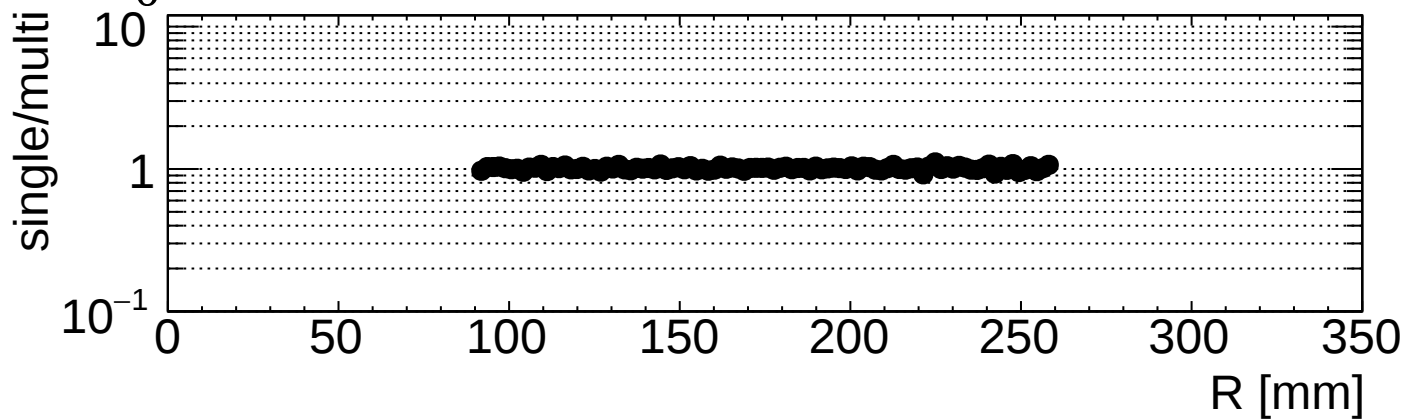
ECAL_Rgg_10ns5CoG

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns5CoGUnderPeak

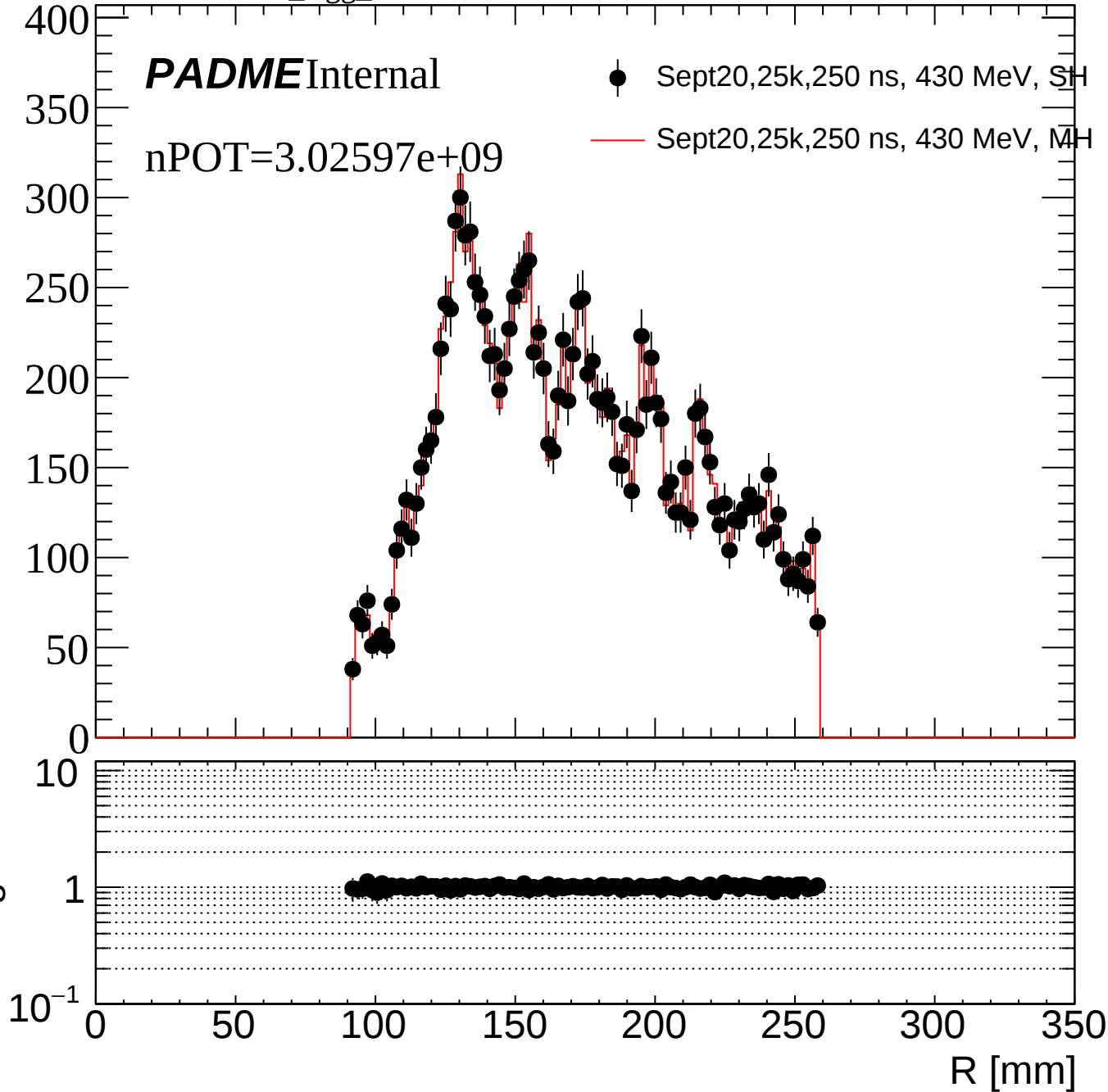
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



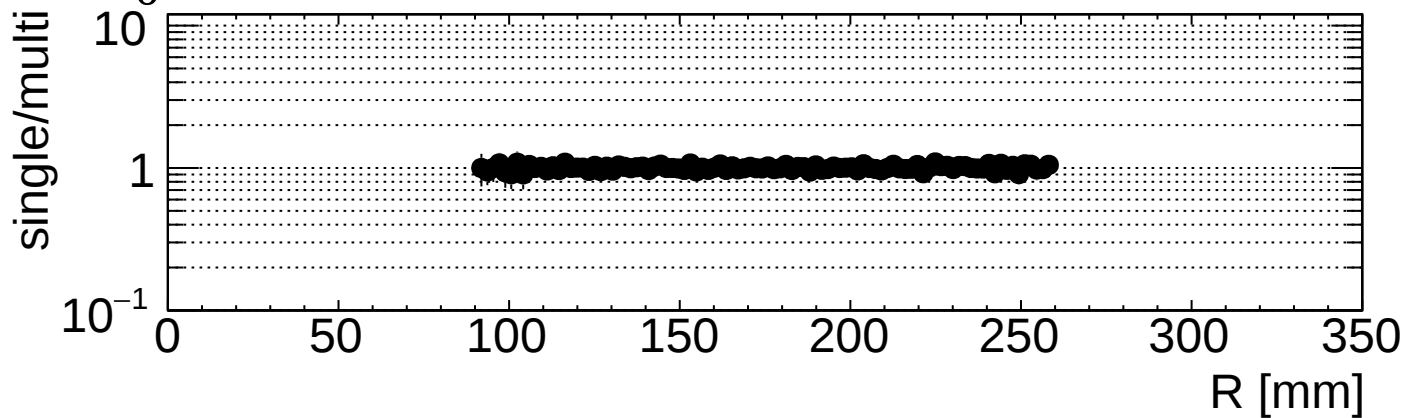
ECAL_Rgg_10ns5CoGUnderPeakEThr90

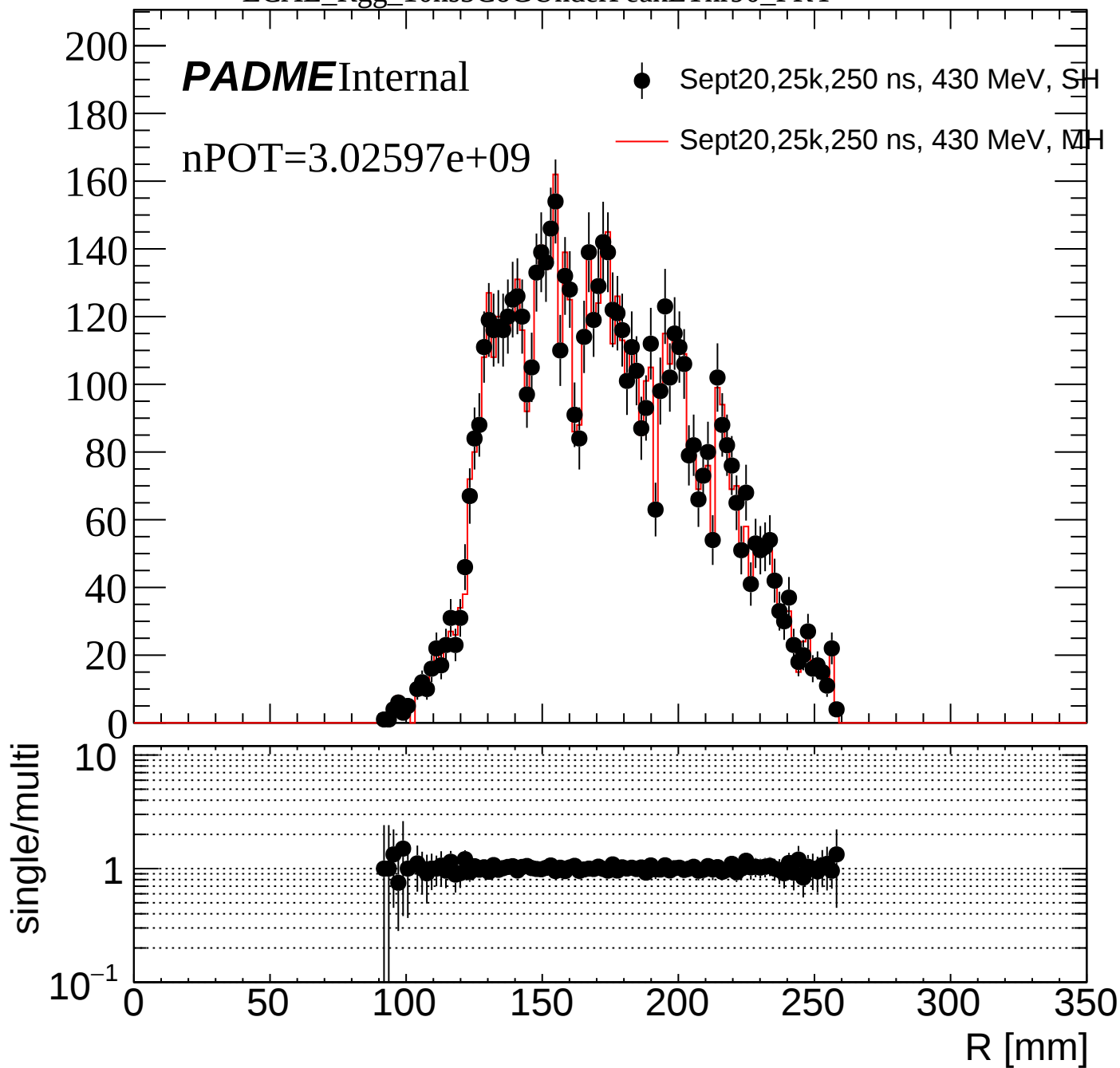
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH





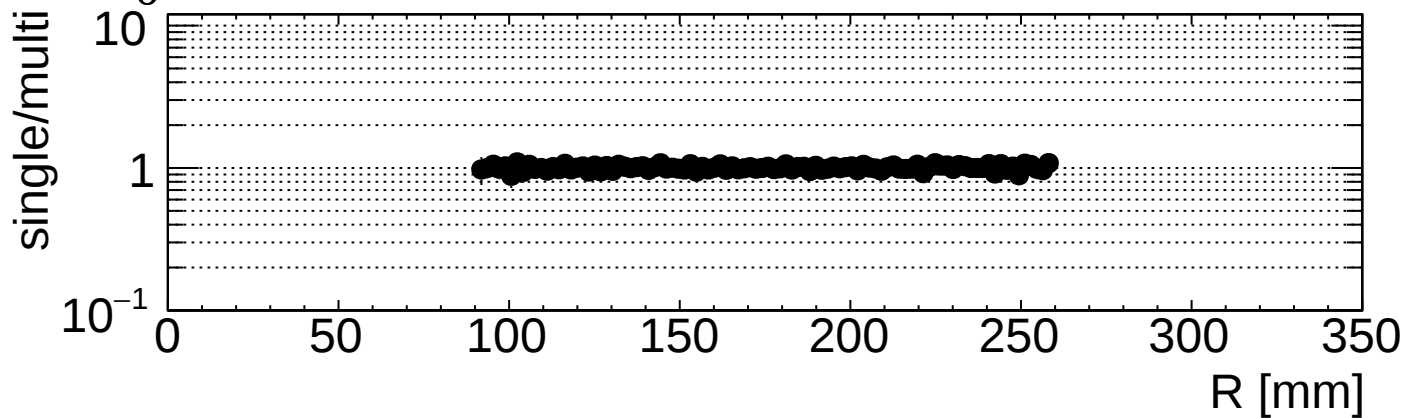
ECAL_Rgg_10ns5CoGEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



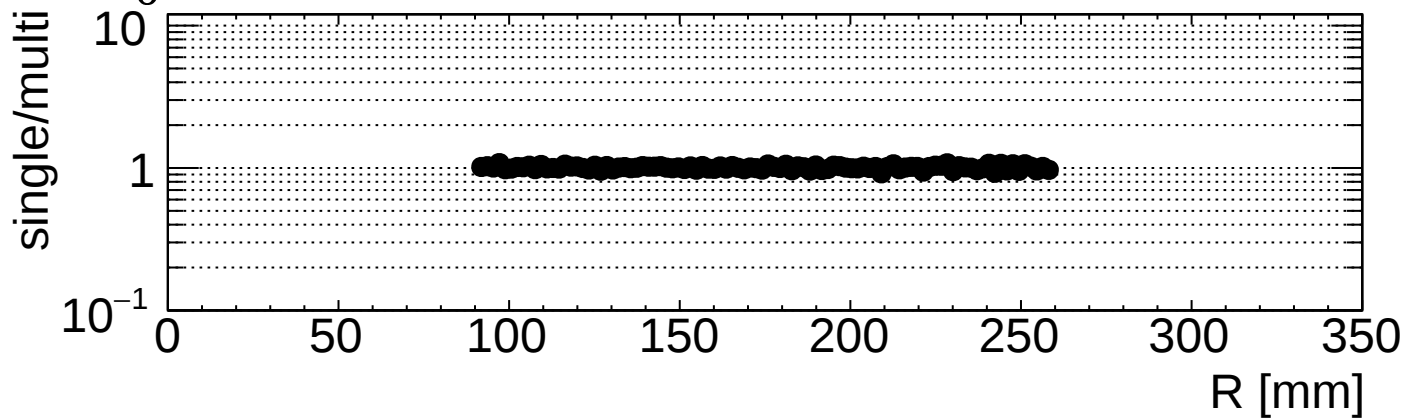
ECAL_Rgg_10nsUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



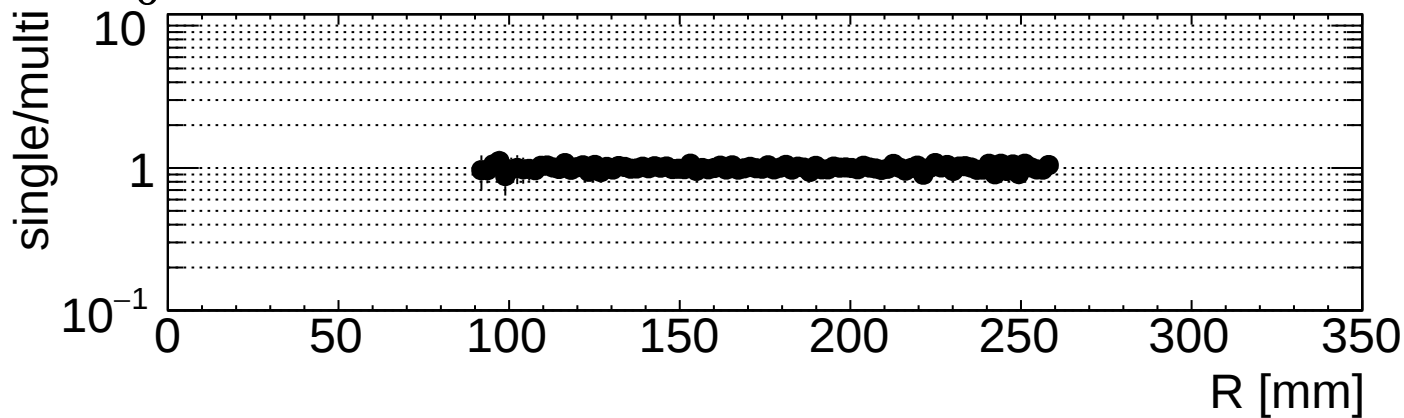
ECAL_Rgg_10ns20DegreeUnderPeak

PADMEInternal

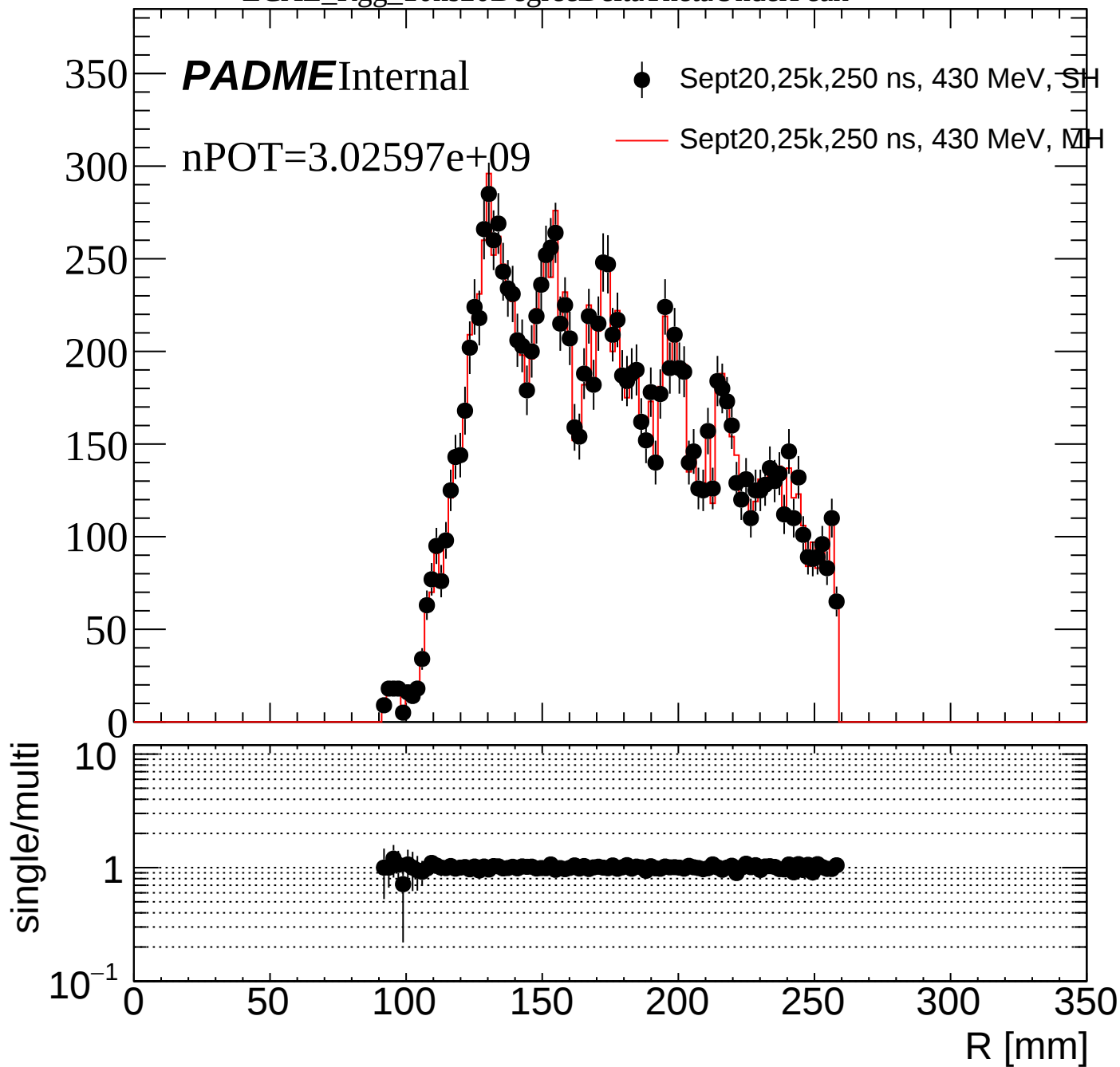
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak



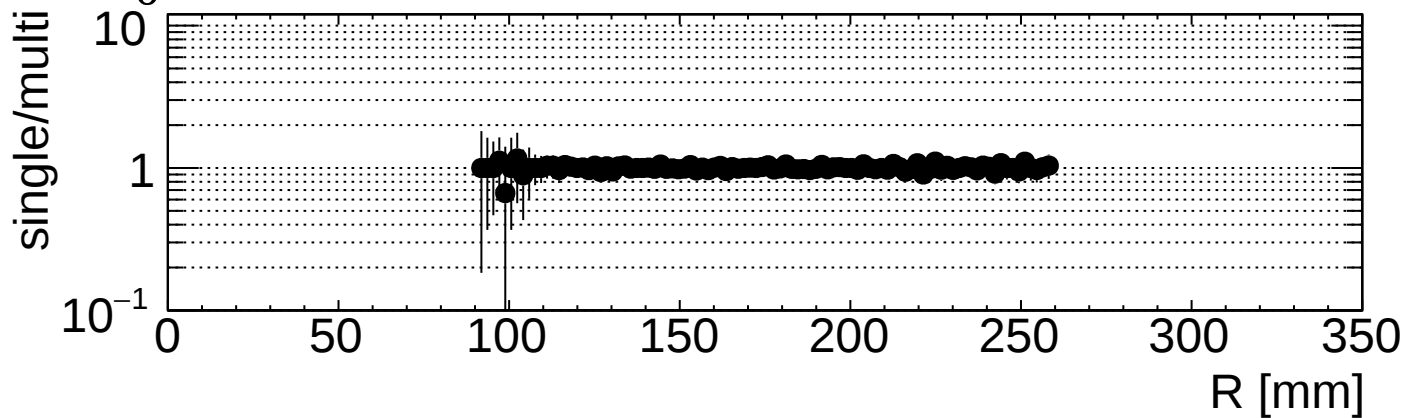
ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



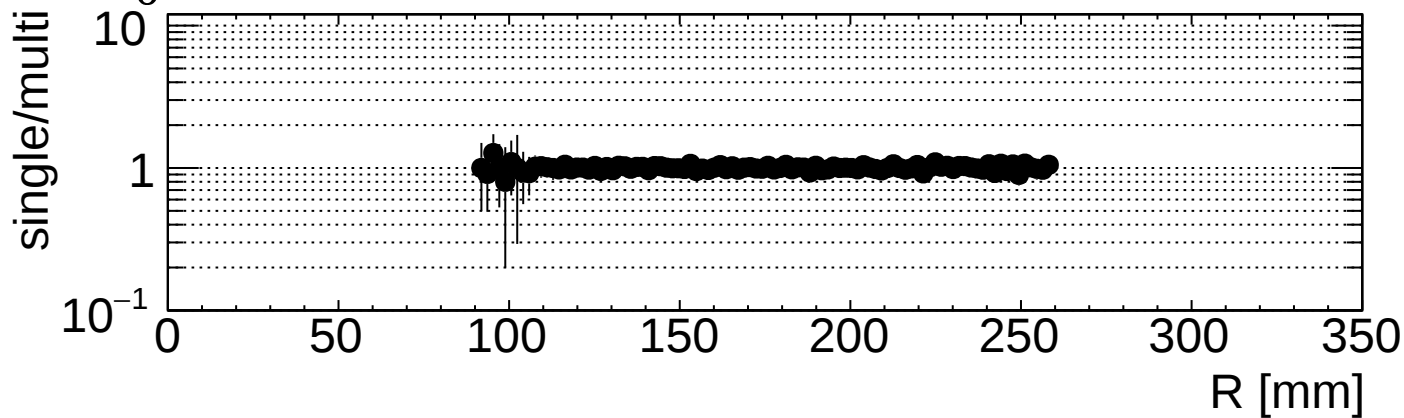
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90

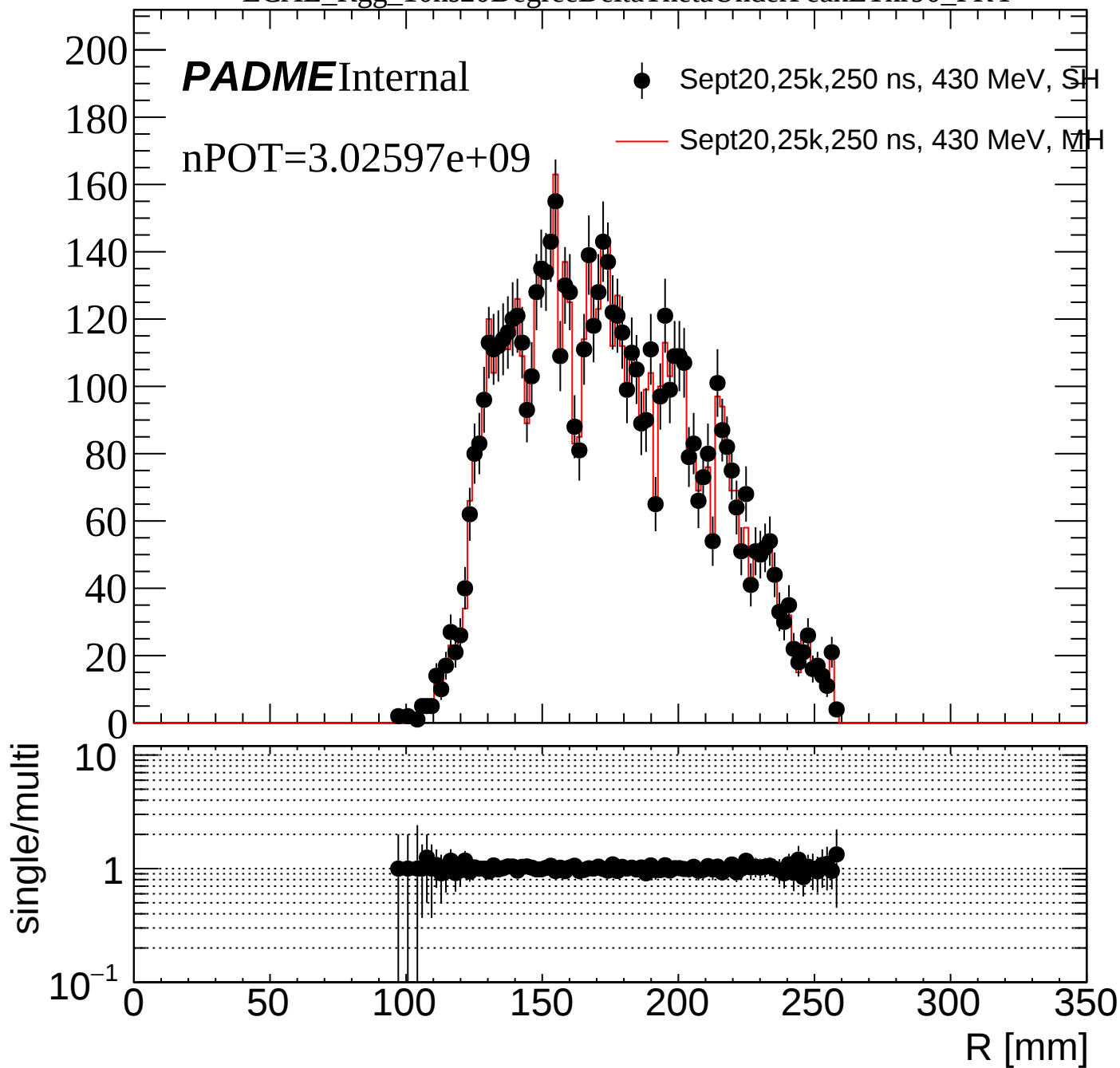
PADMEInternal

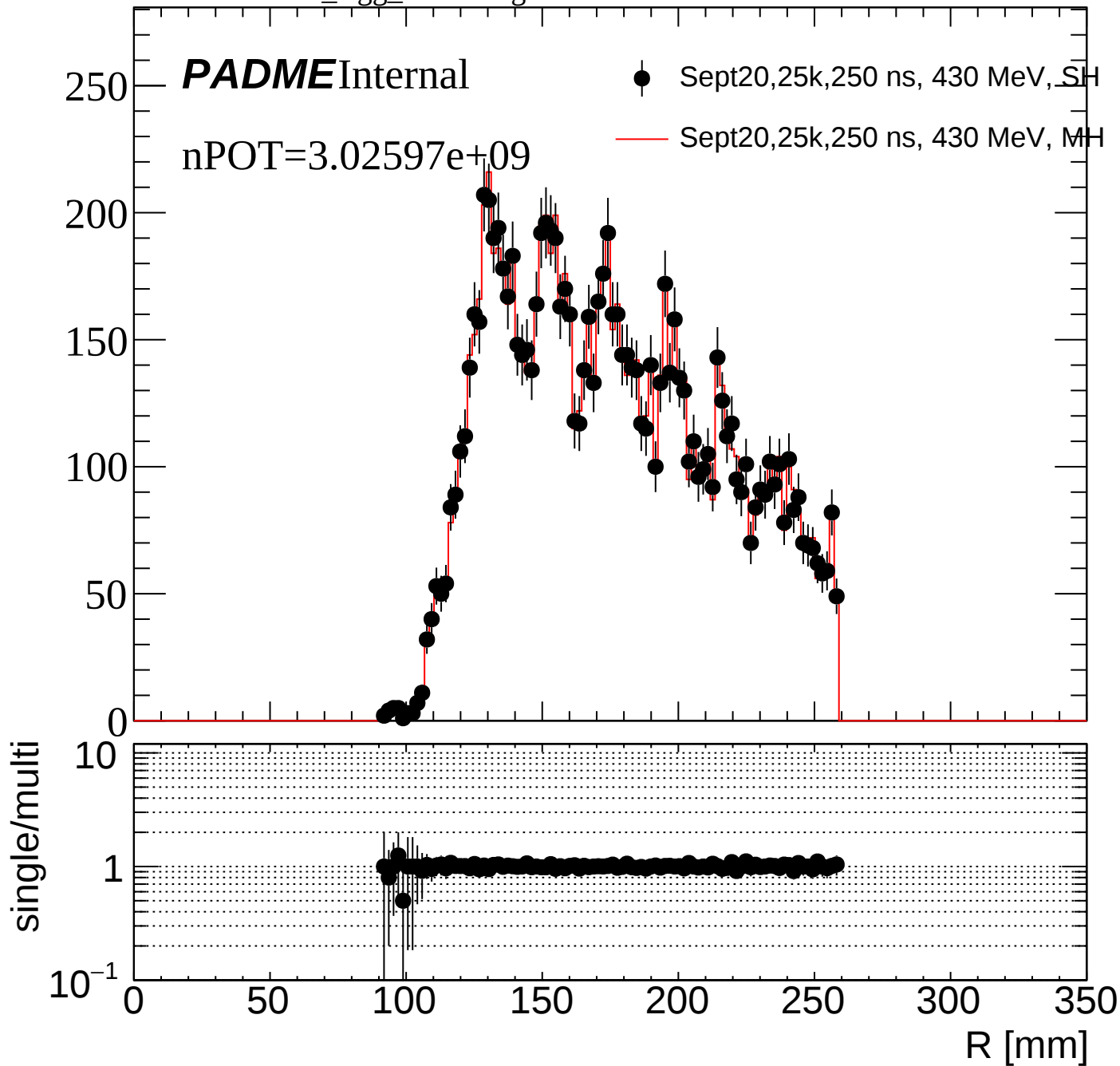
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH







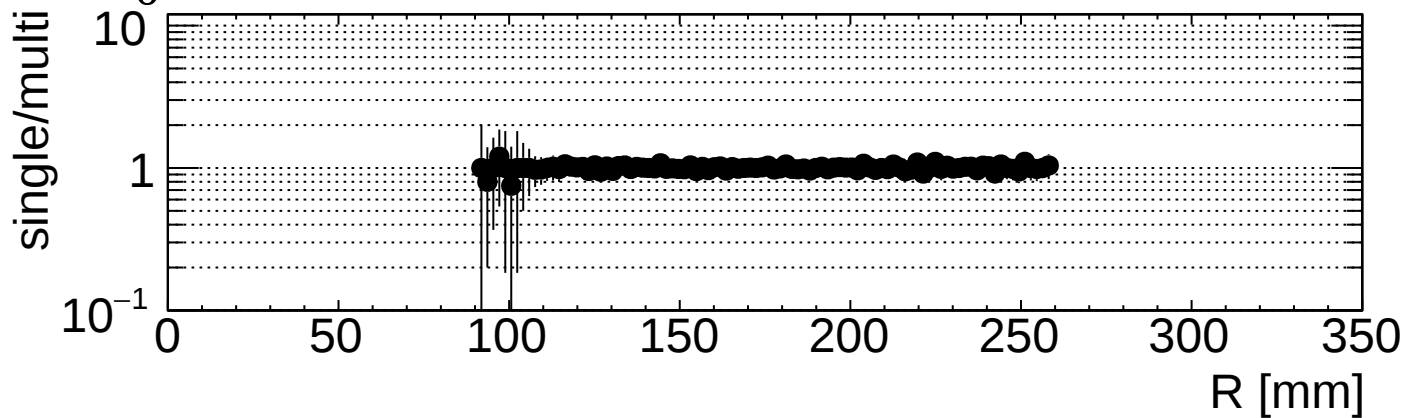
ECAL_Rgg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns1CoGUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

10⁻¹

10

0

50

100

150

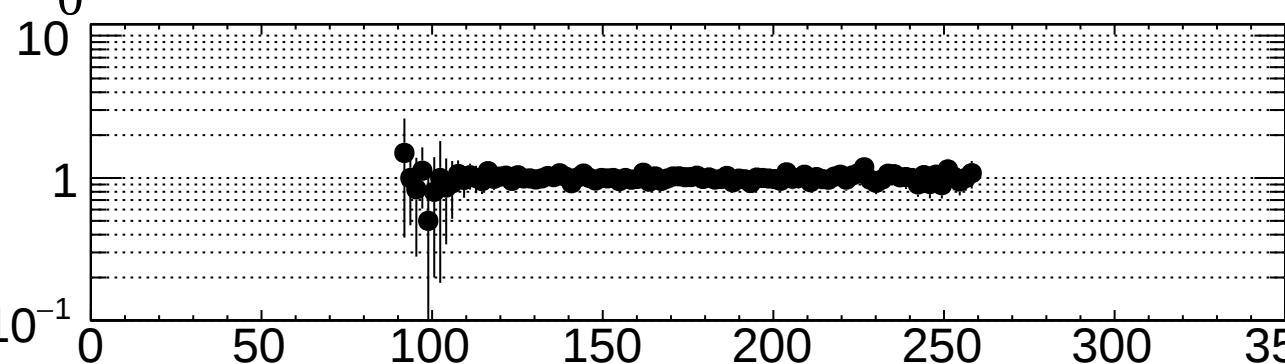
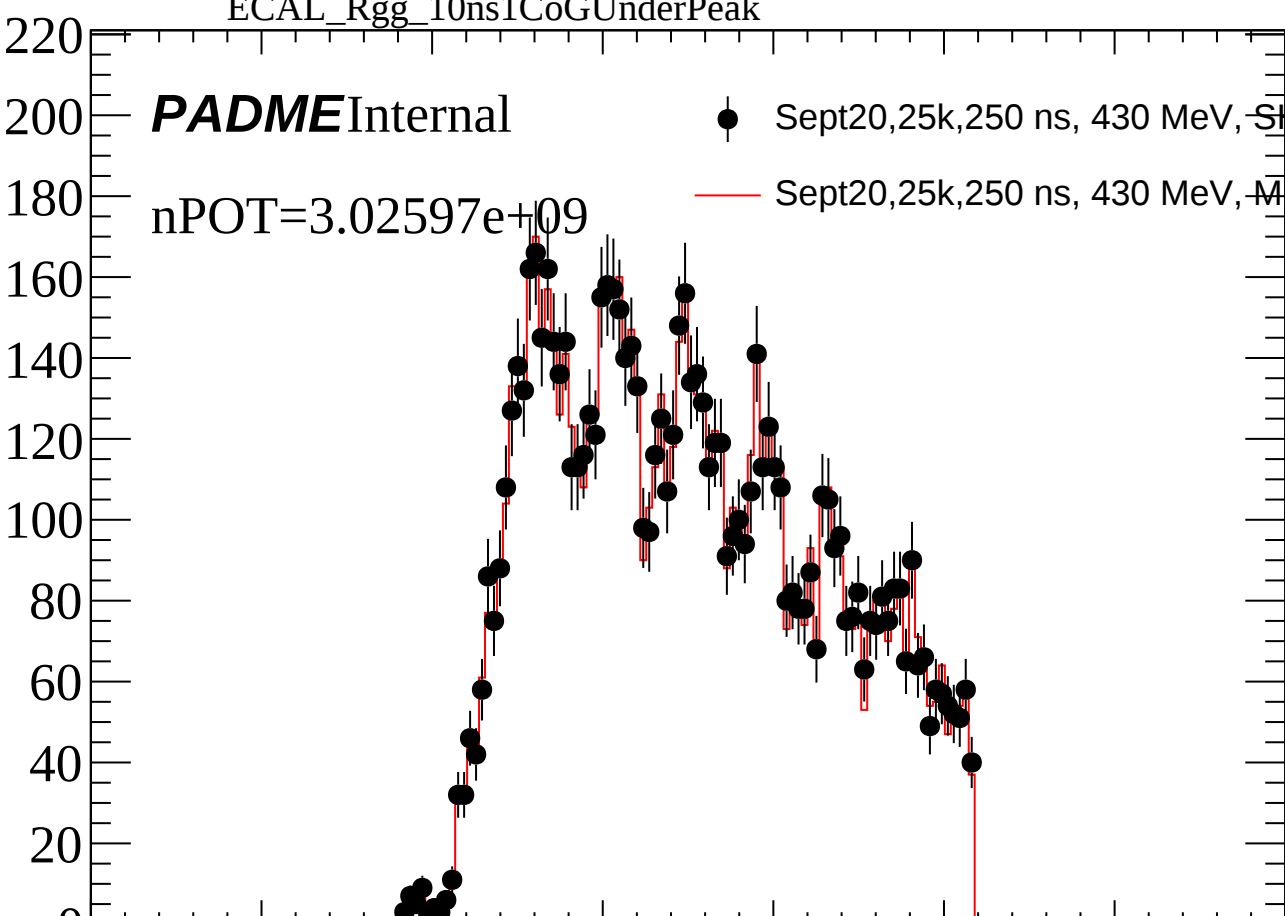
200

250

300

350

R [mm]



ECAL_Rgg_10ns1CoGUnderPeakEThr90

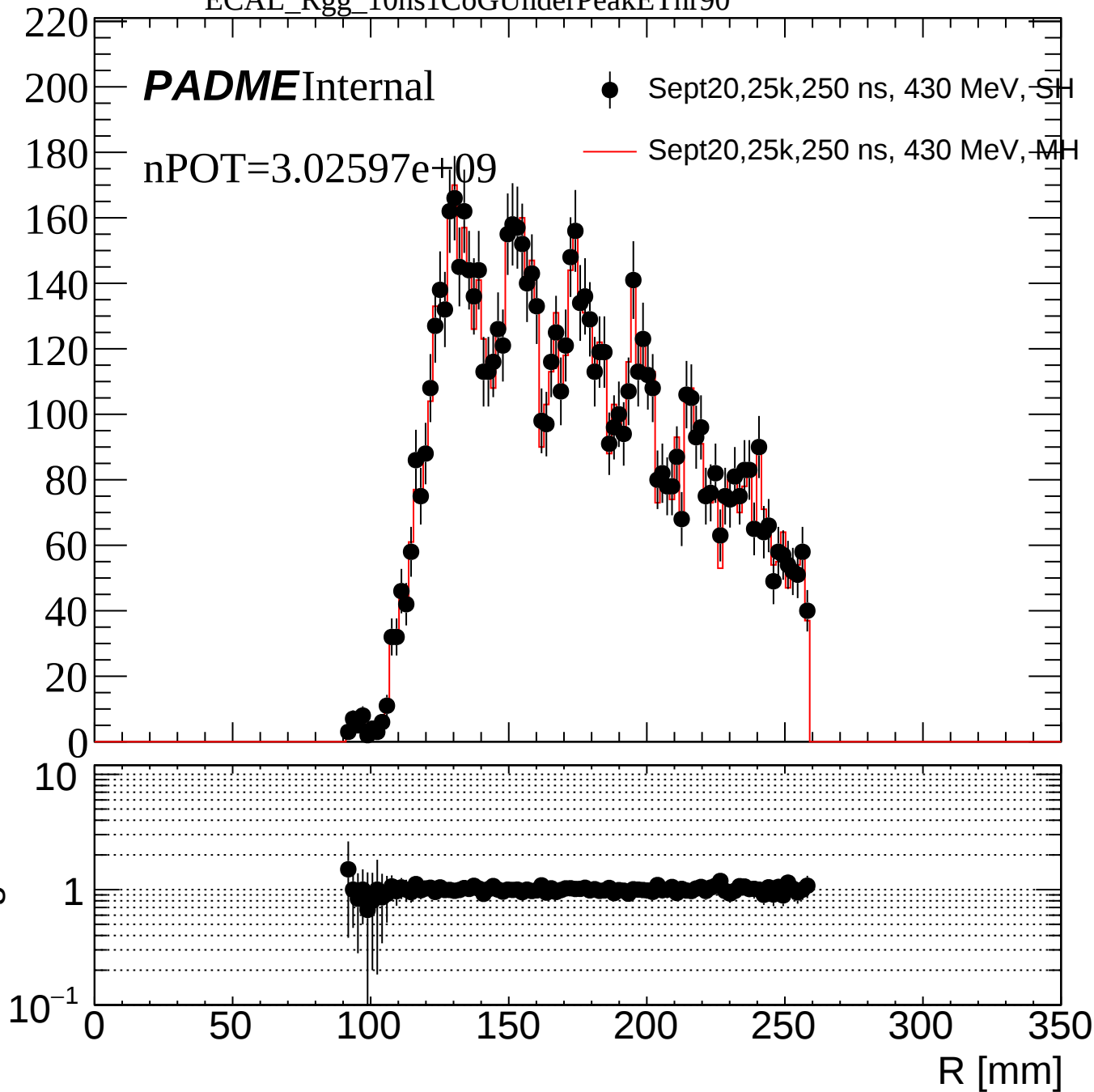
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeUnderPeak

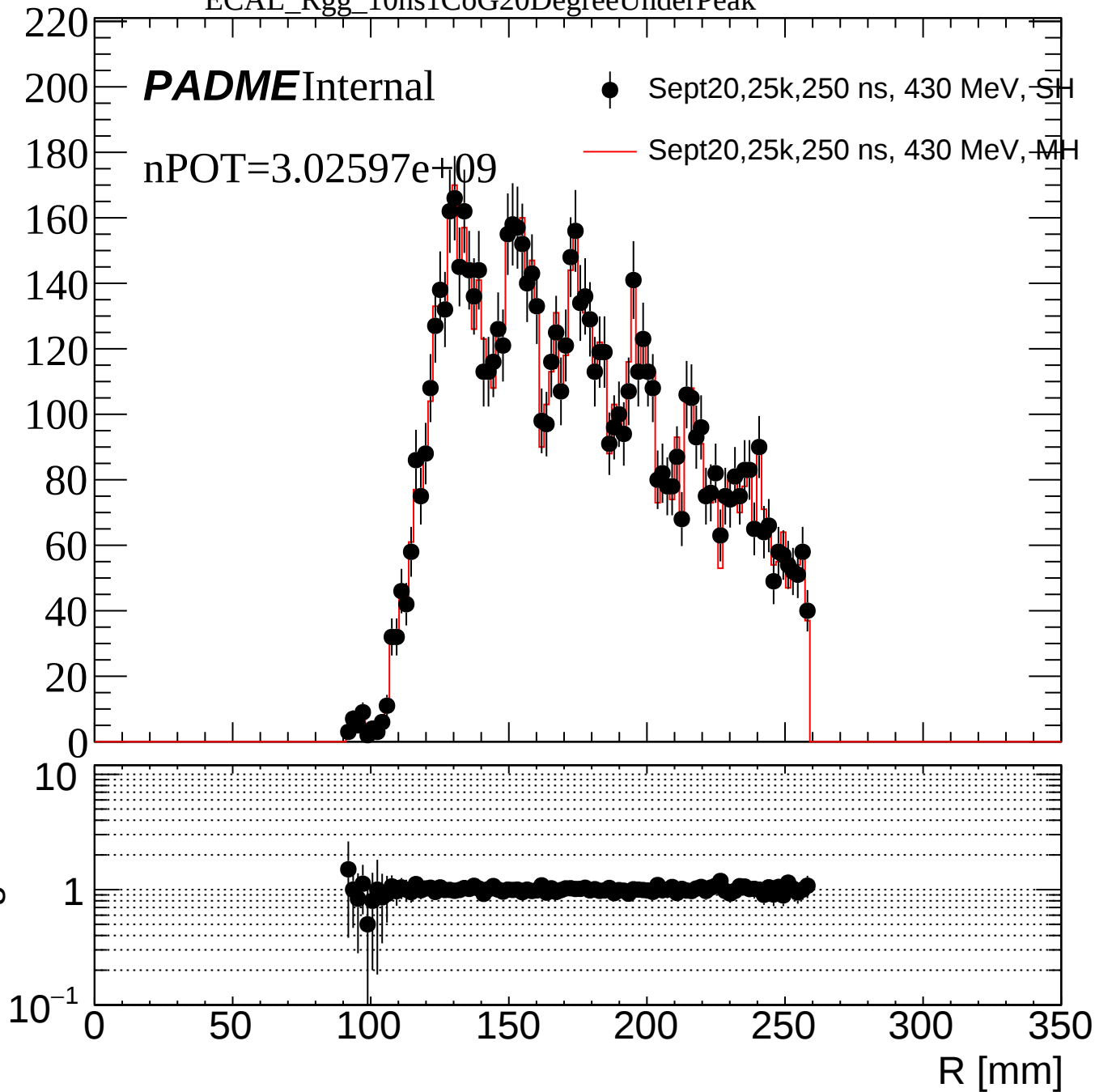
PADMEInternal

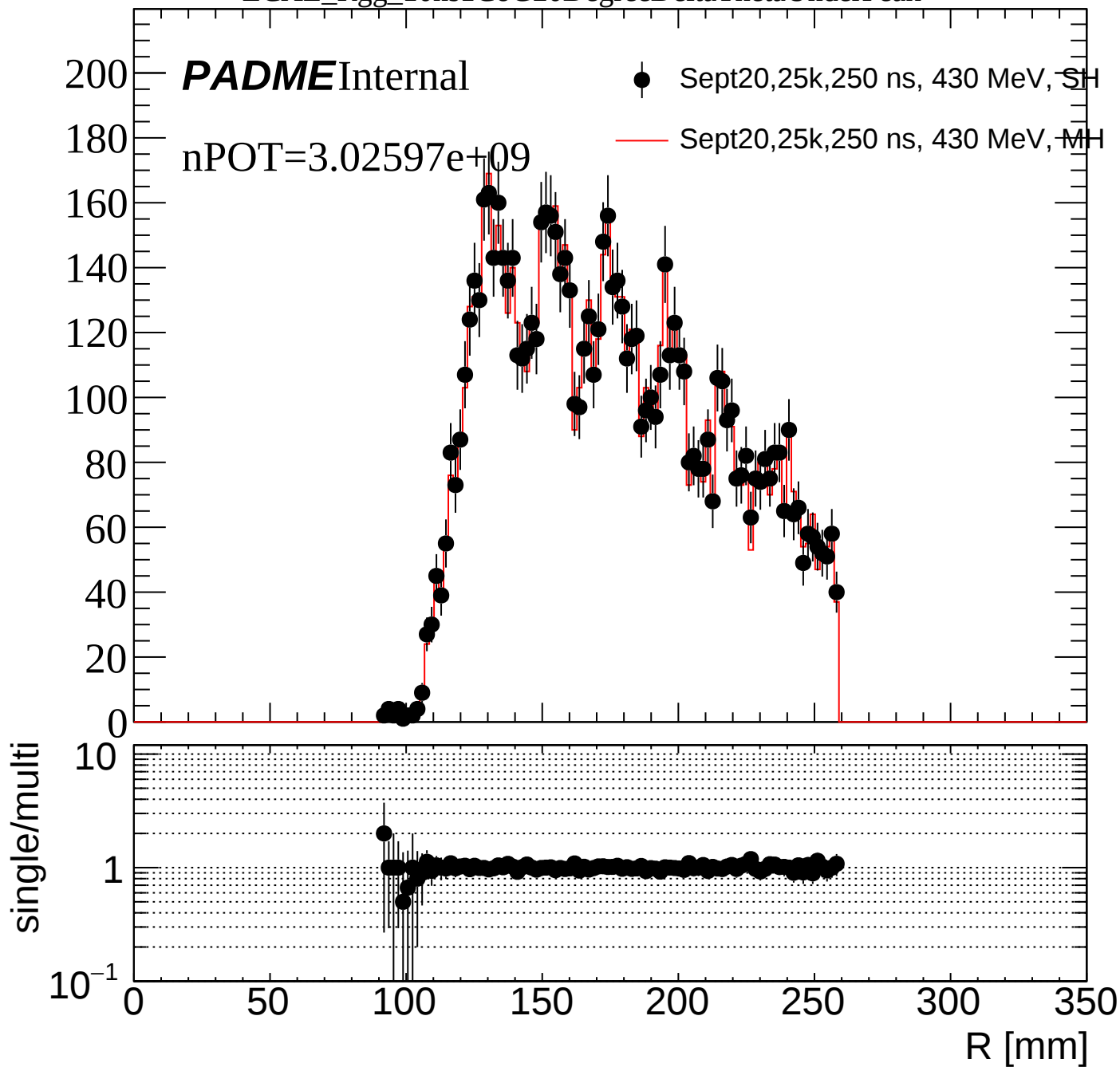
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi





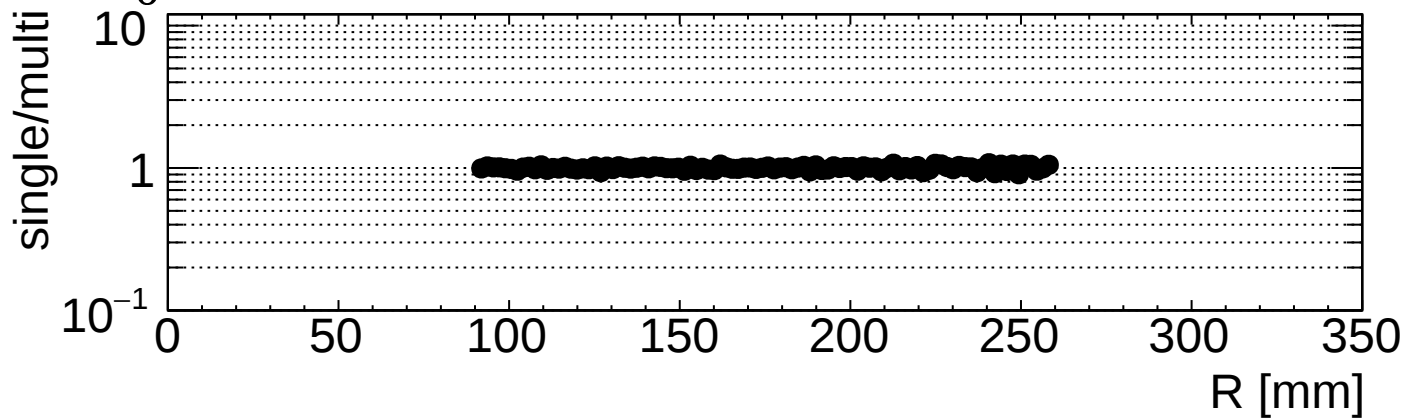
ECAL_Rgg_10nsEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



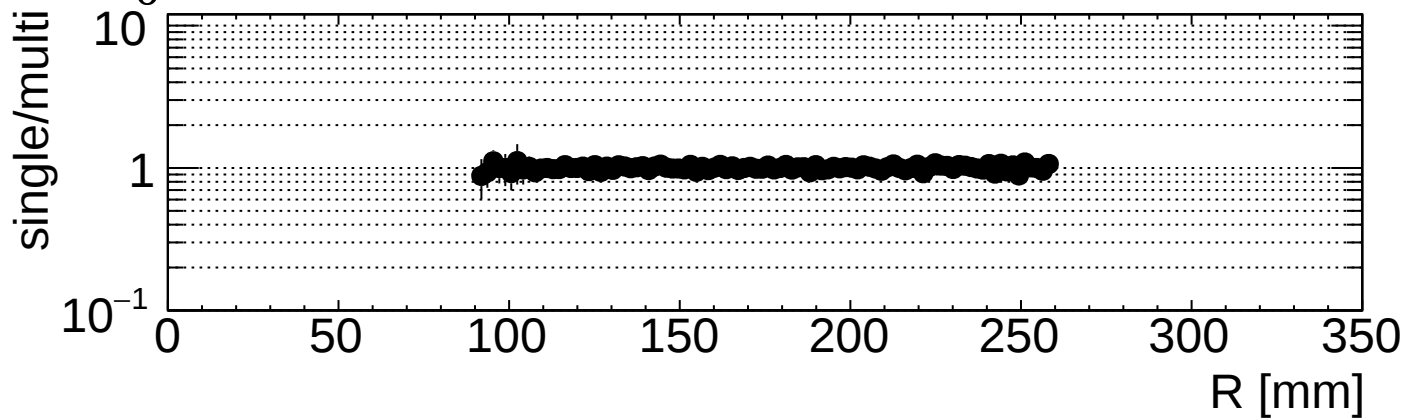
ECAL_Rgg_10ns20DegreeEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns20DegreeDeltaThetaEThr90

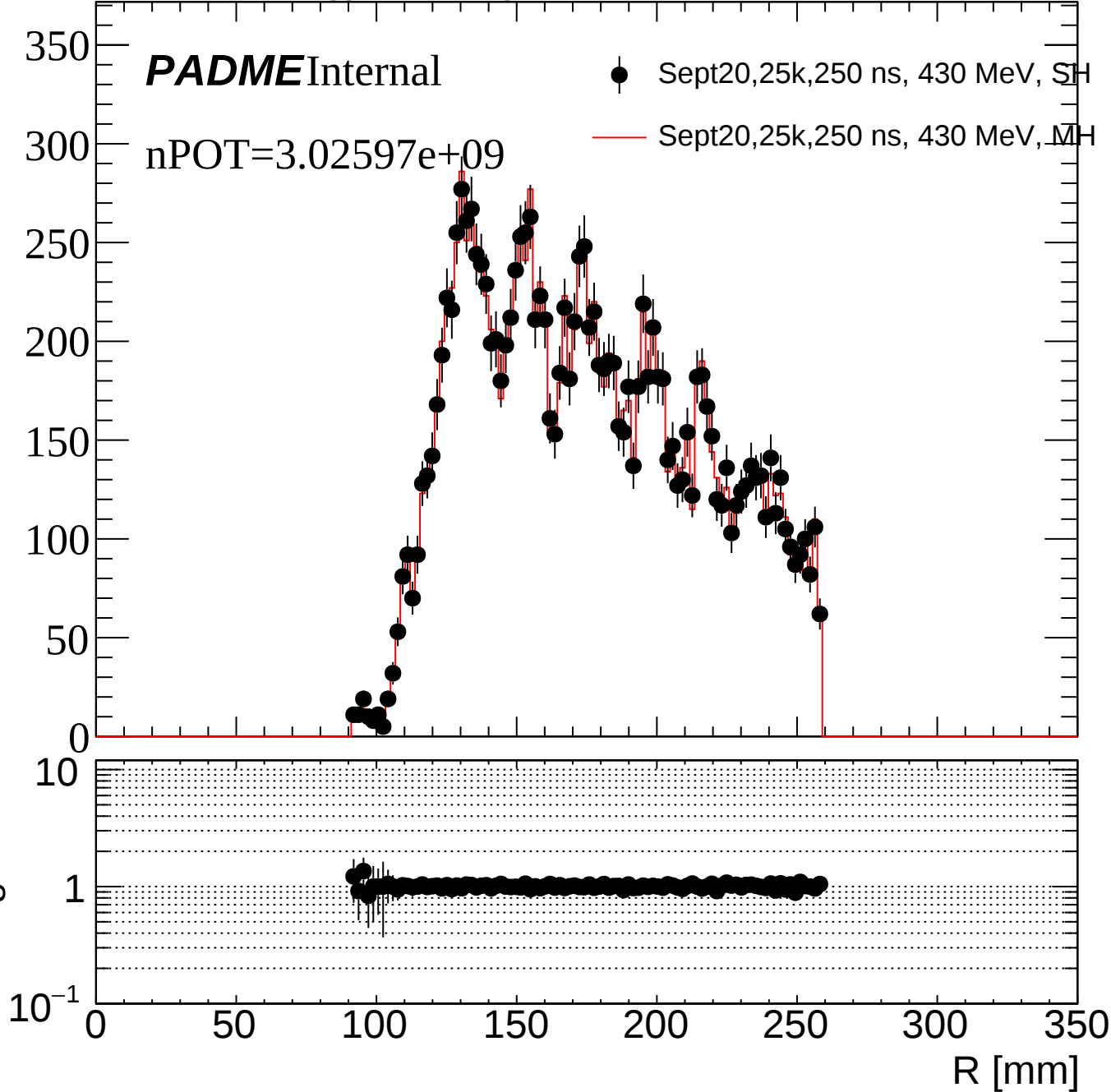
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeEThr90

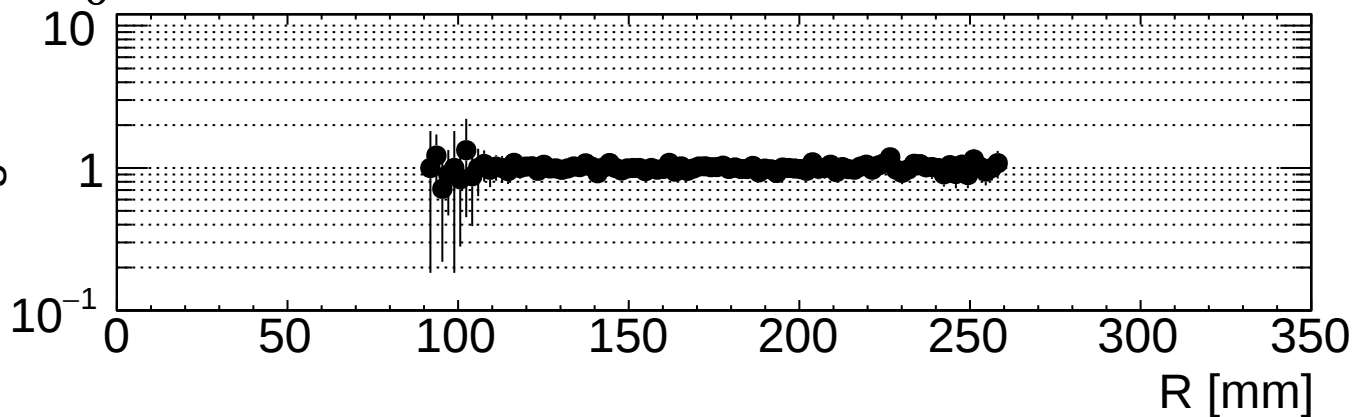
PADMEInternal

nPOT=3.02597e+09

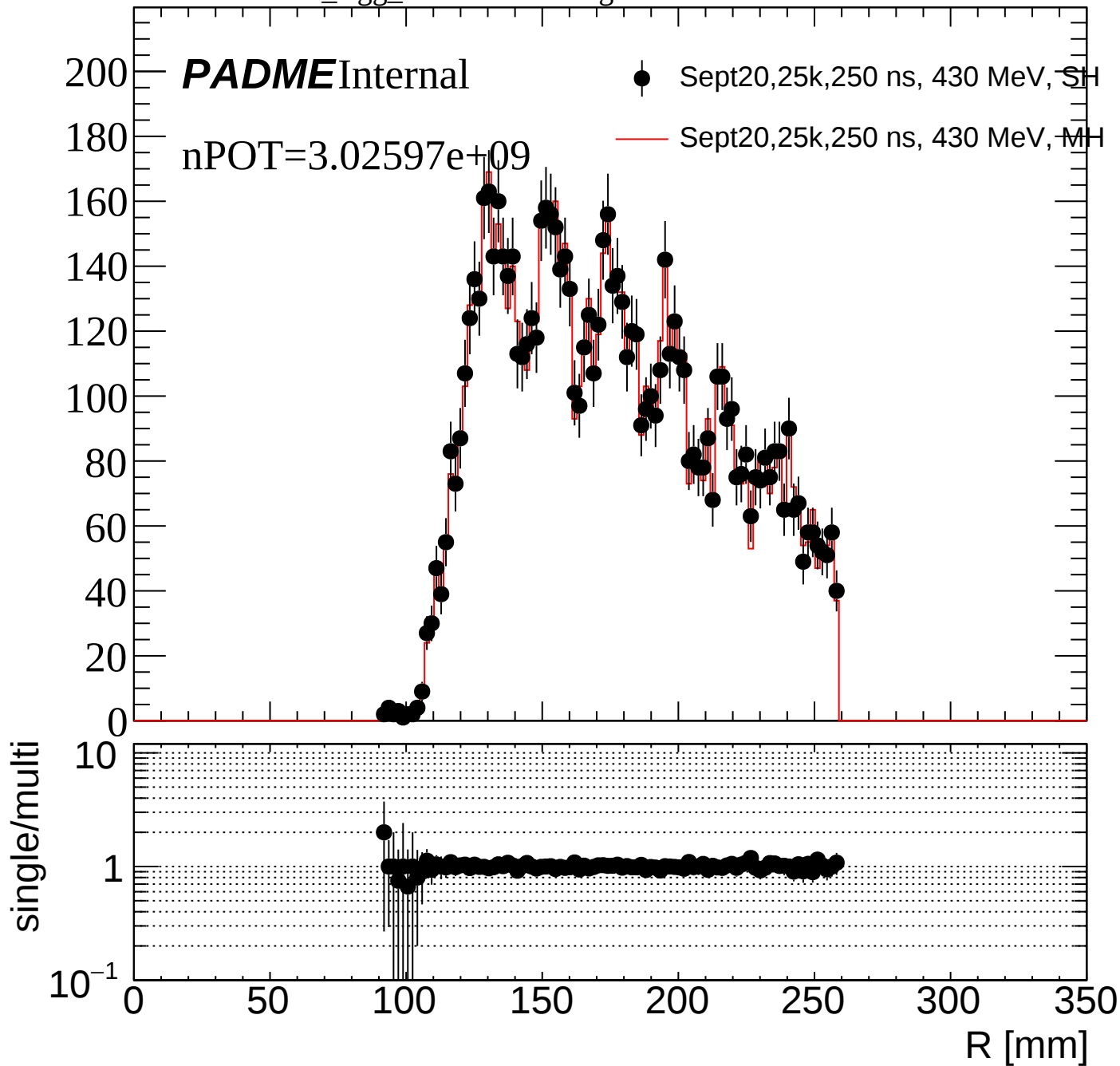
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeDeltaThetaEThr90



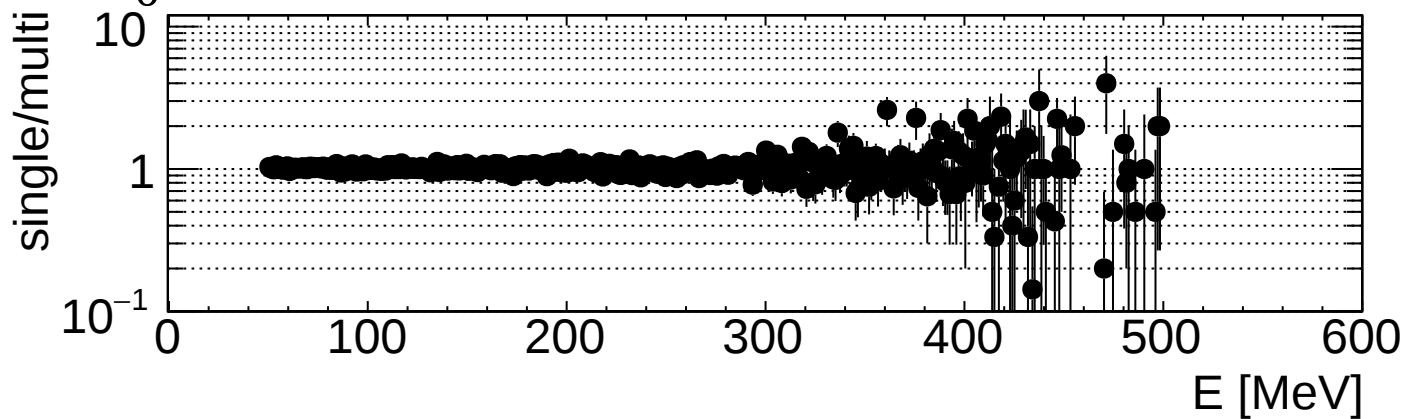
ECAL_Egg_10ns

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Egg_10ns20Degree

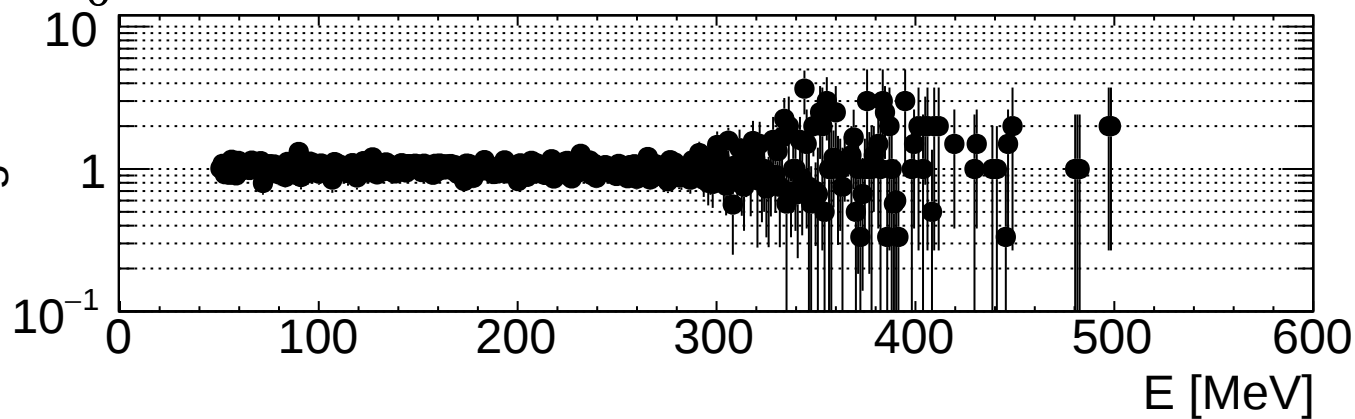
PADME Internal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



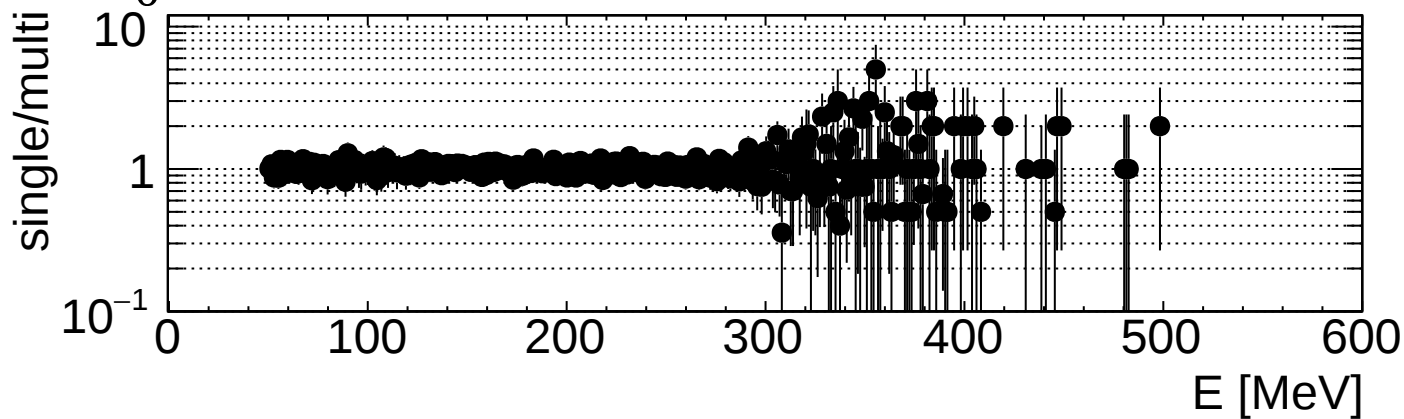
ECAL_Egg_10ns20DegreeDeltaTheta

PADME Internal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



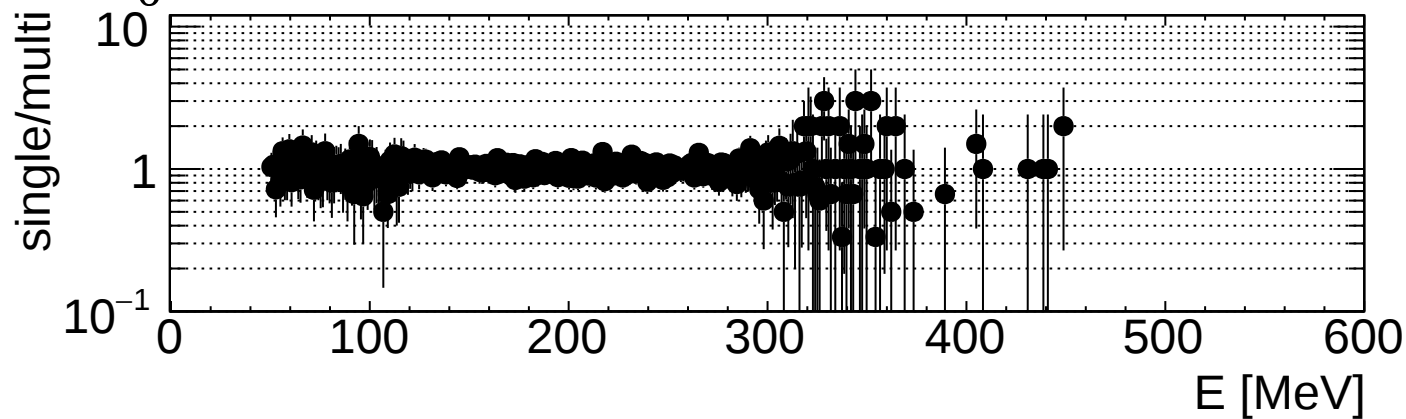
ECAL_Egg_10ns5DegreeDeltaTheta

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



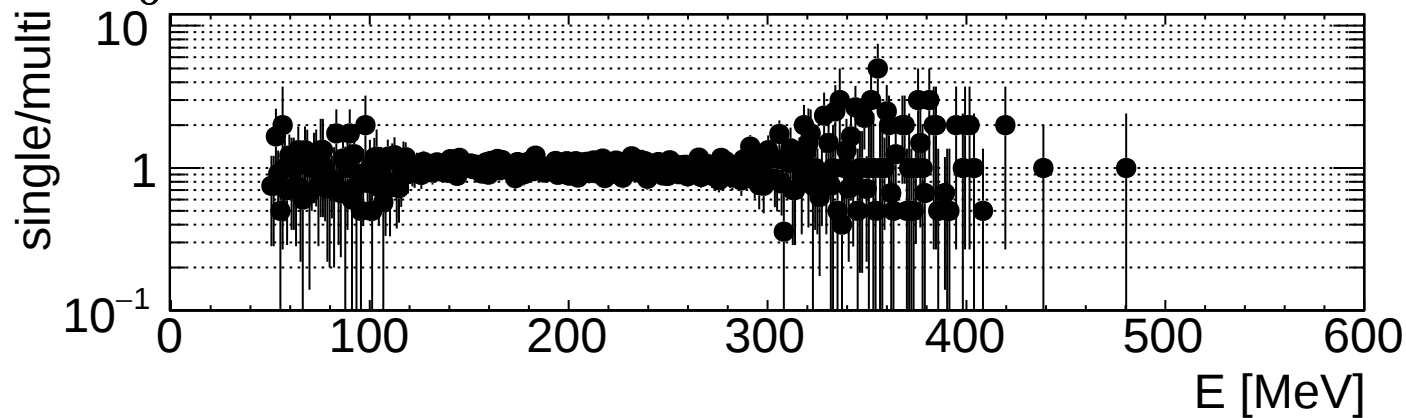
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

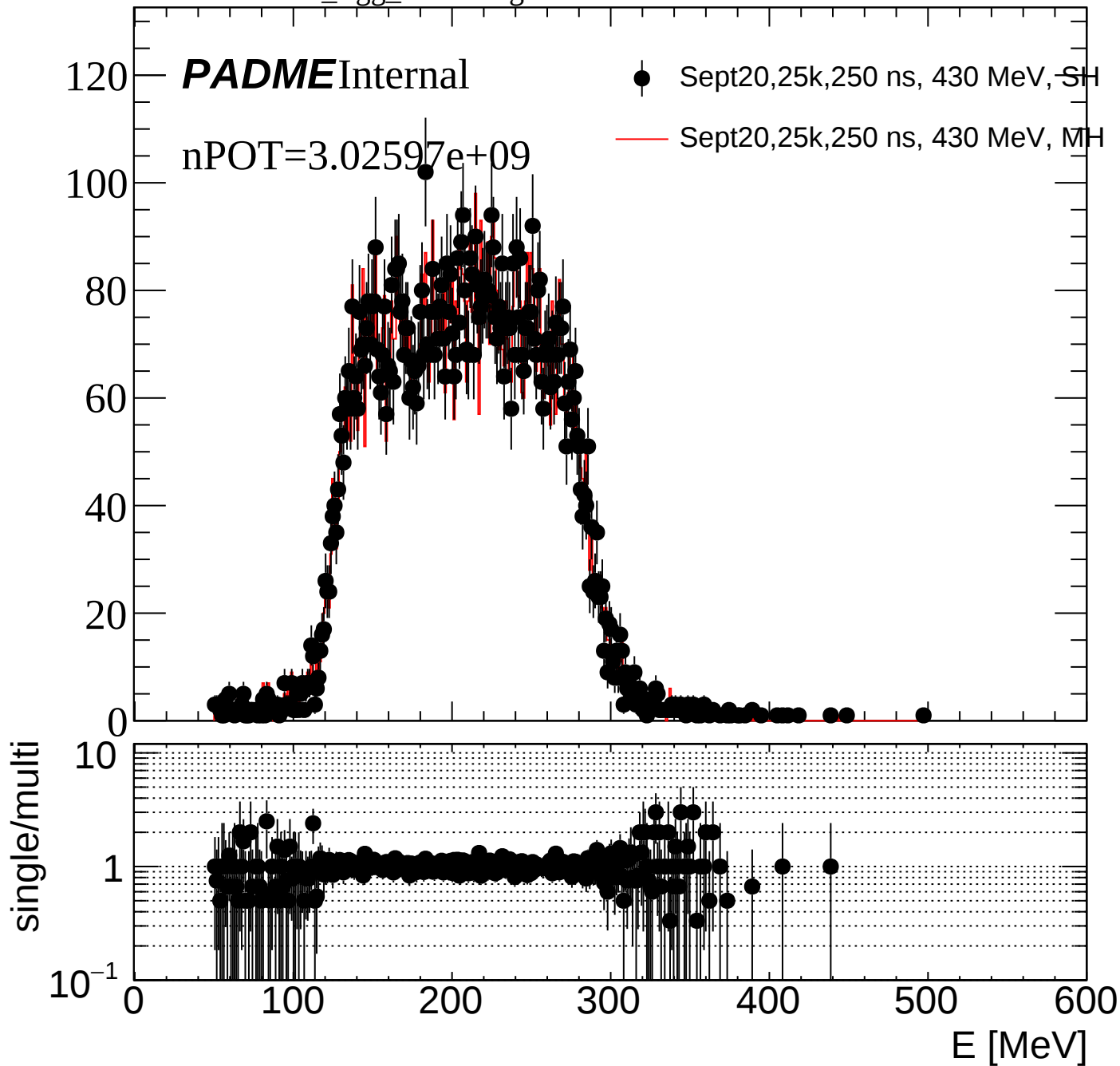
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak



ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90

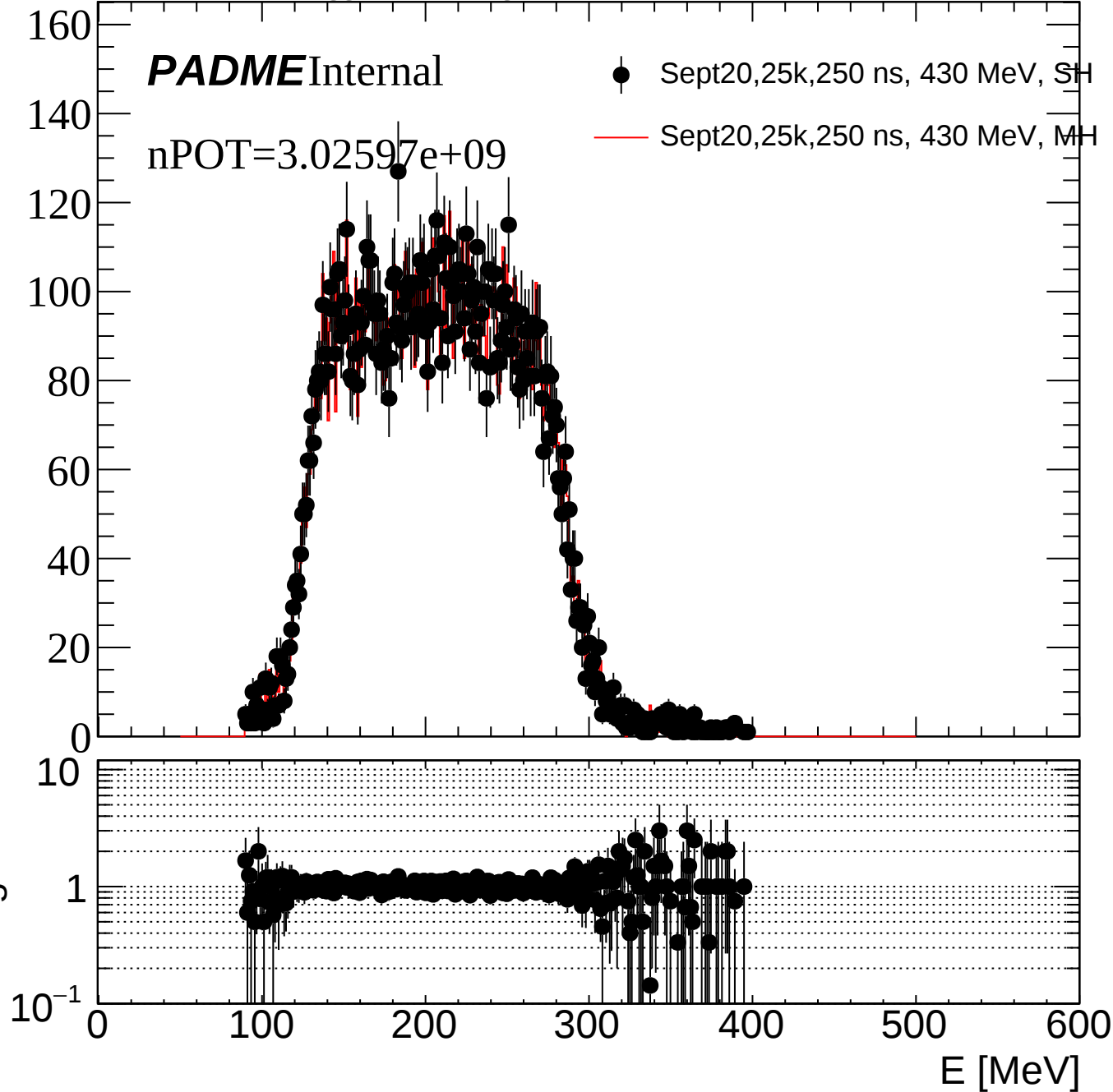
PADMEInternal

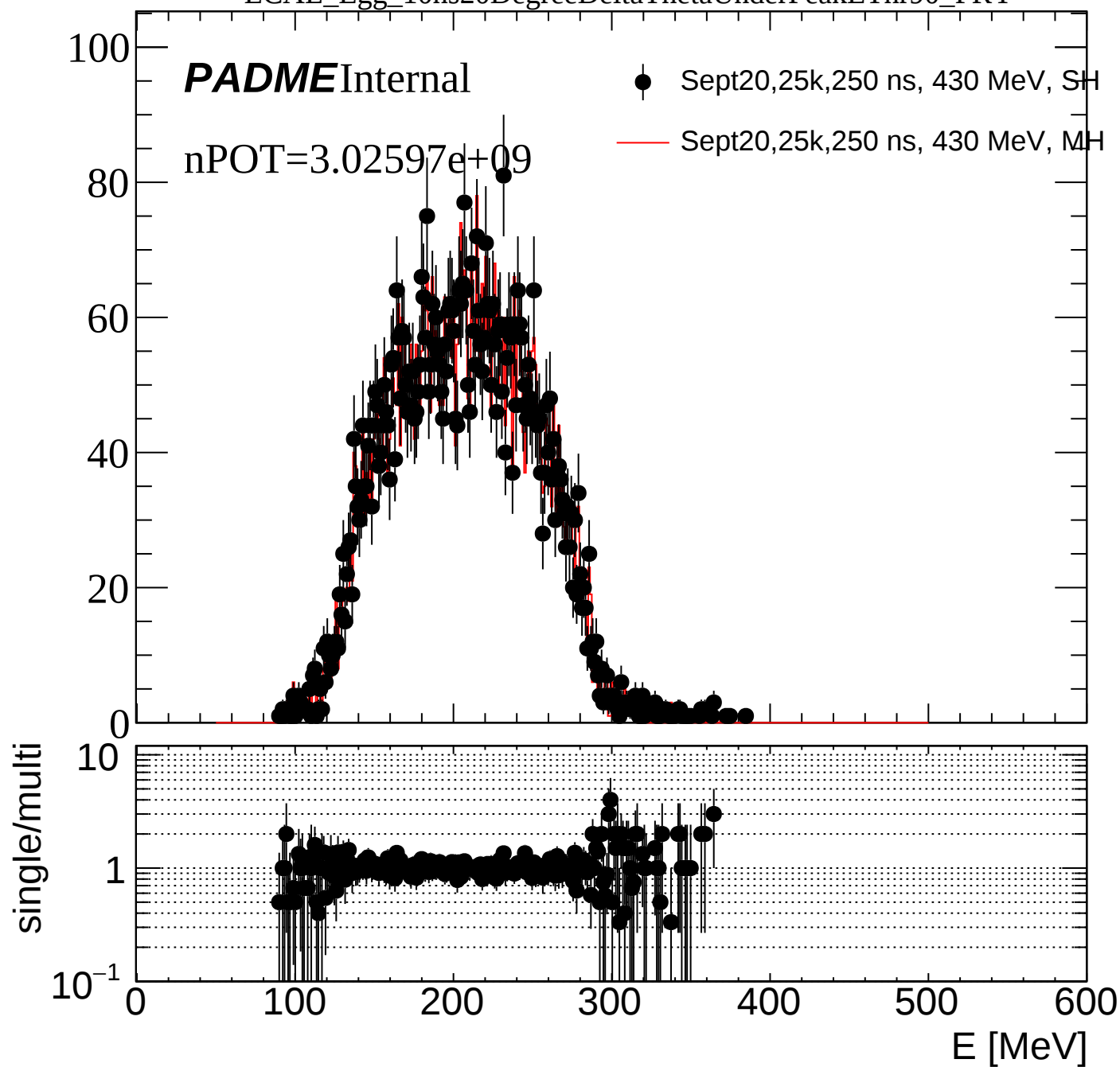
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

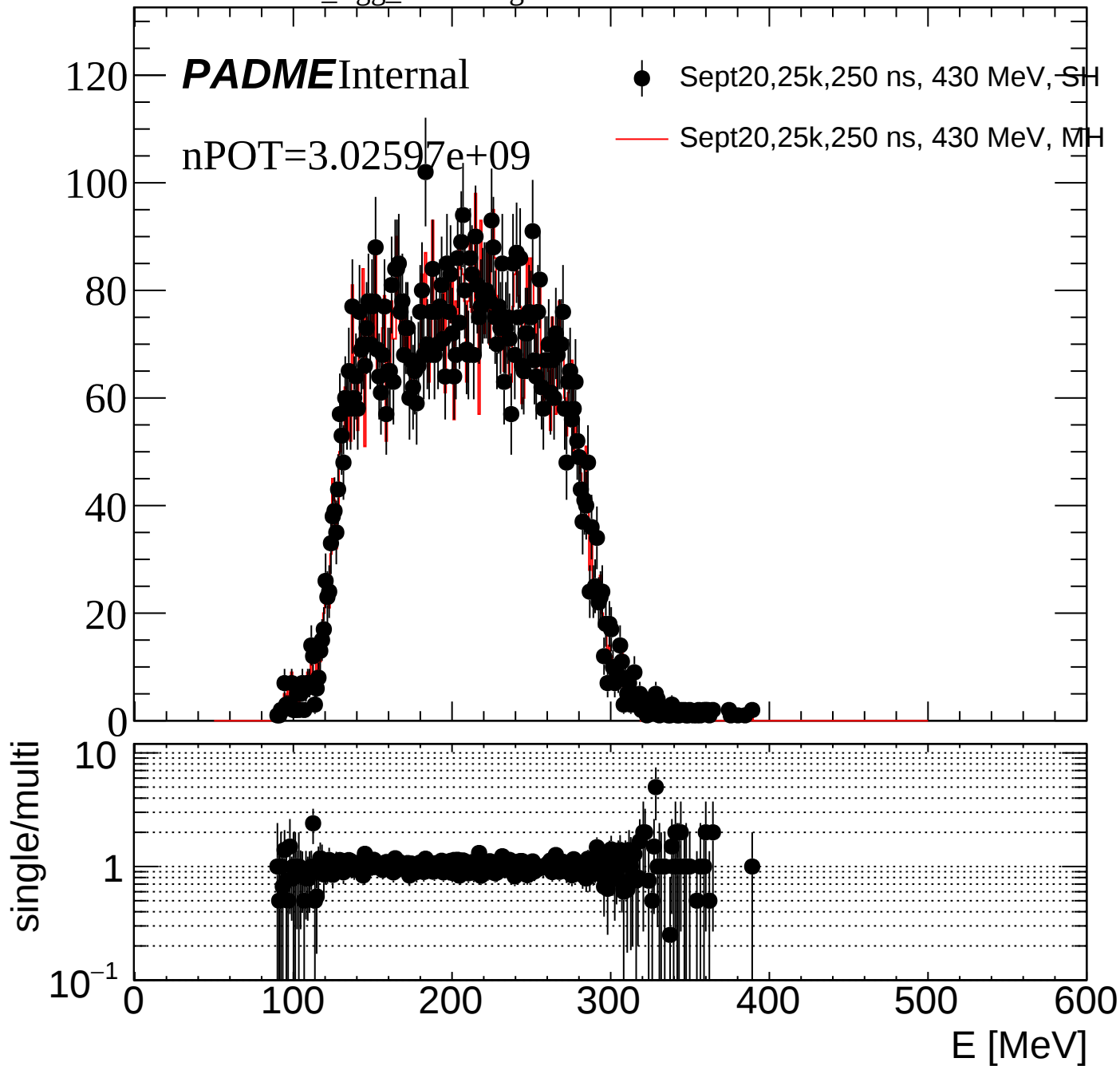
— Sept20,25k,250 ns, 430 MeV, MH

single/multi





ECAL_Egg_10ns5DegreeDeltaThetaUnderPeakEThr90



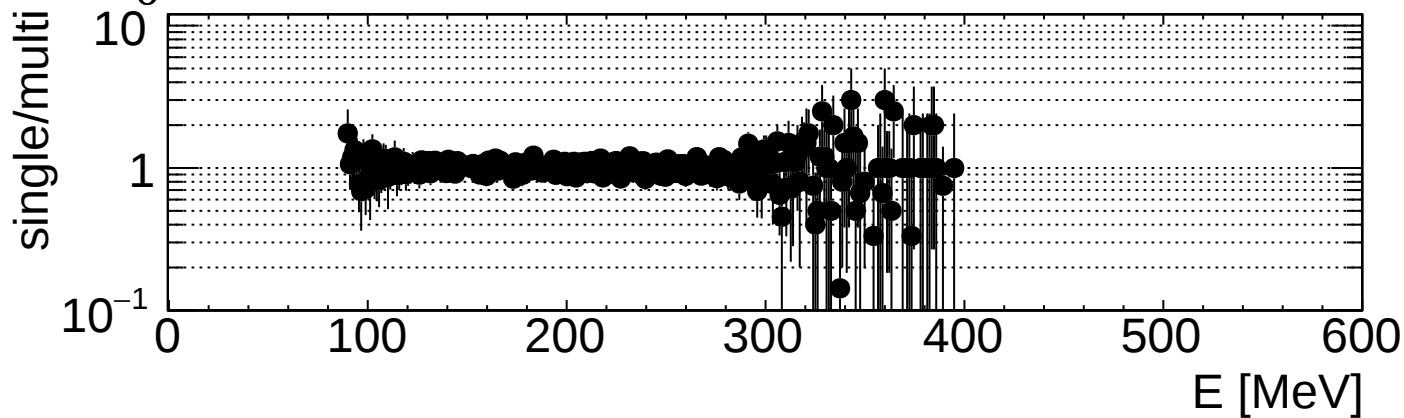
ECAL_Egg_10ns20DegreeDeltaThetaEThr90

PADMEInternal

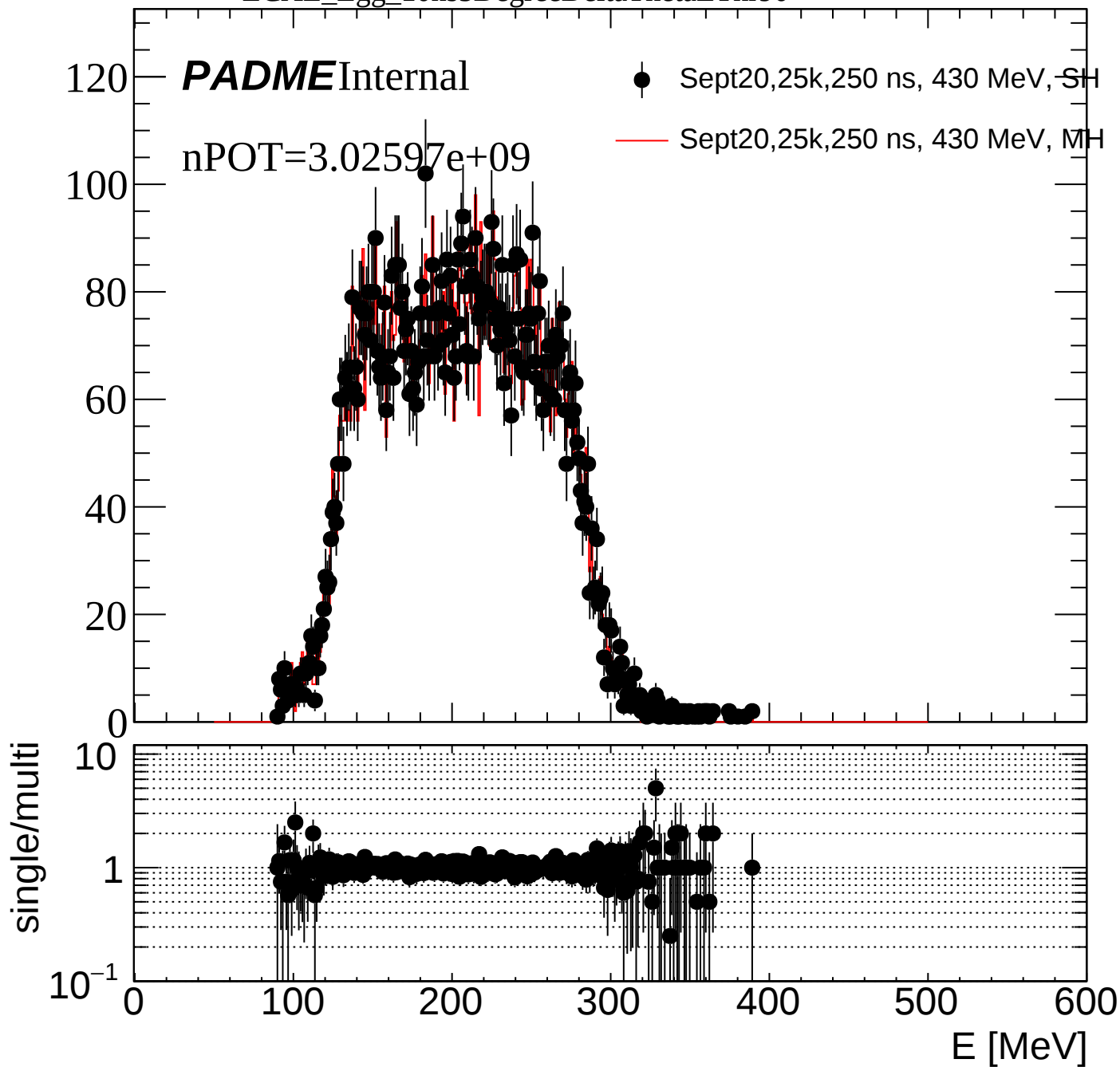
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

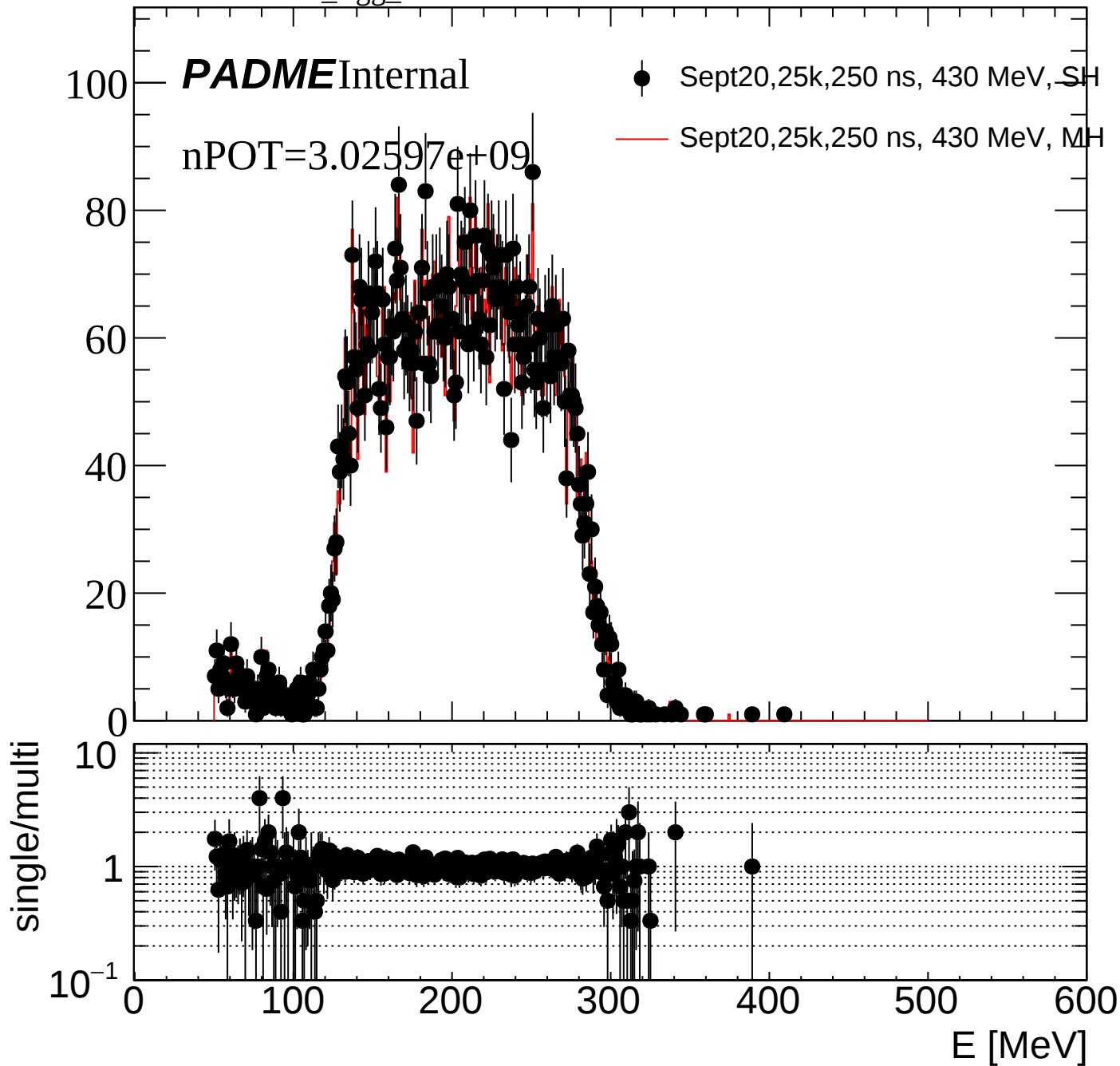
— Sept20,25k,250 ns, 430 MeV, MH



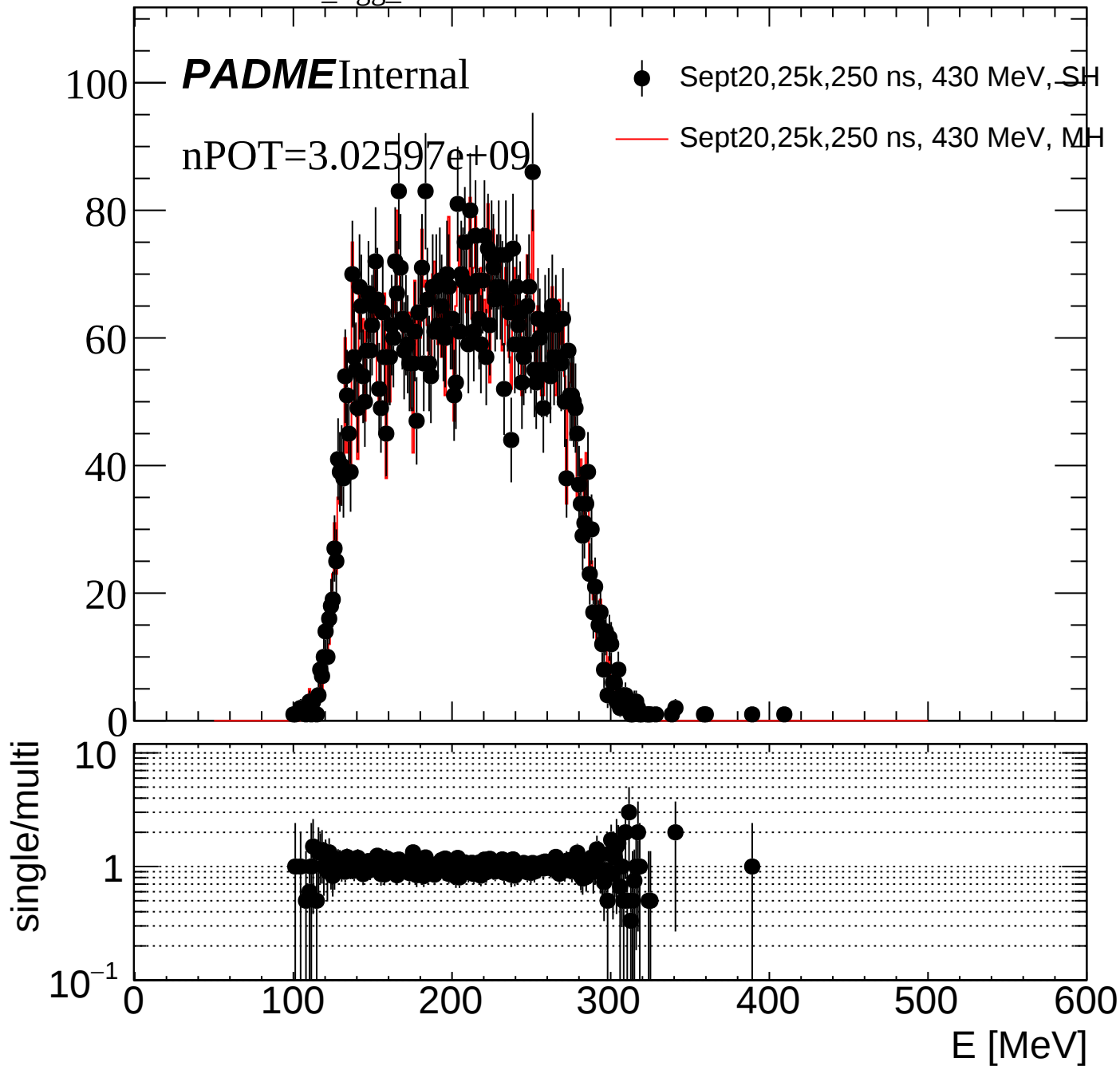
ECAL_Egg_10ns5DegreeDeltaThetaEThr90

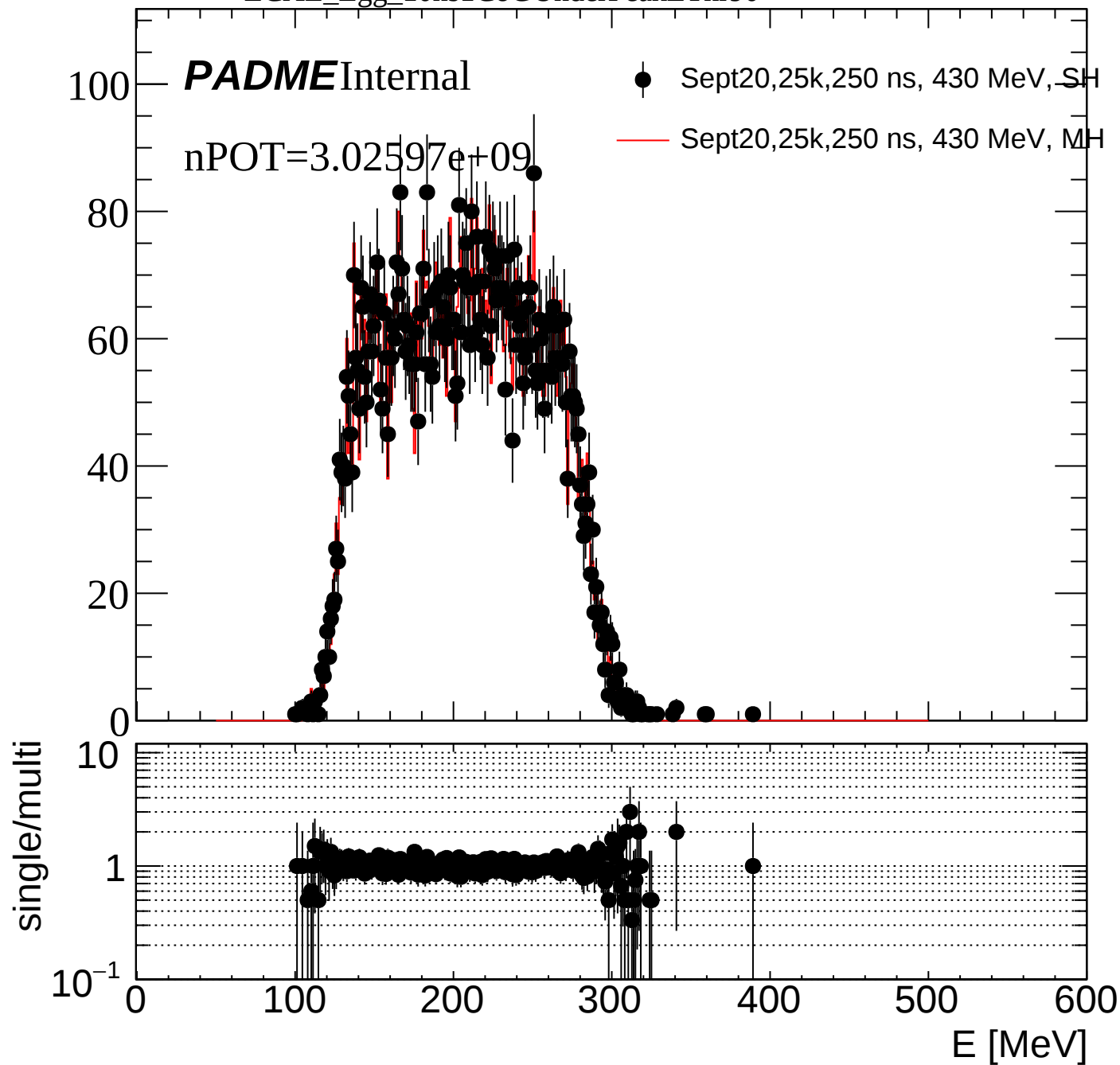


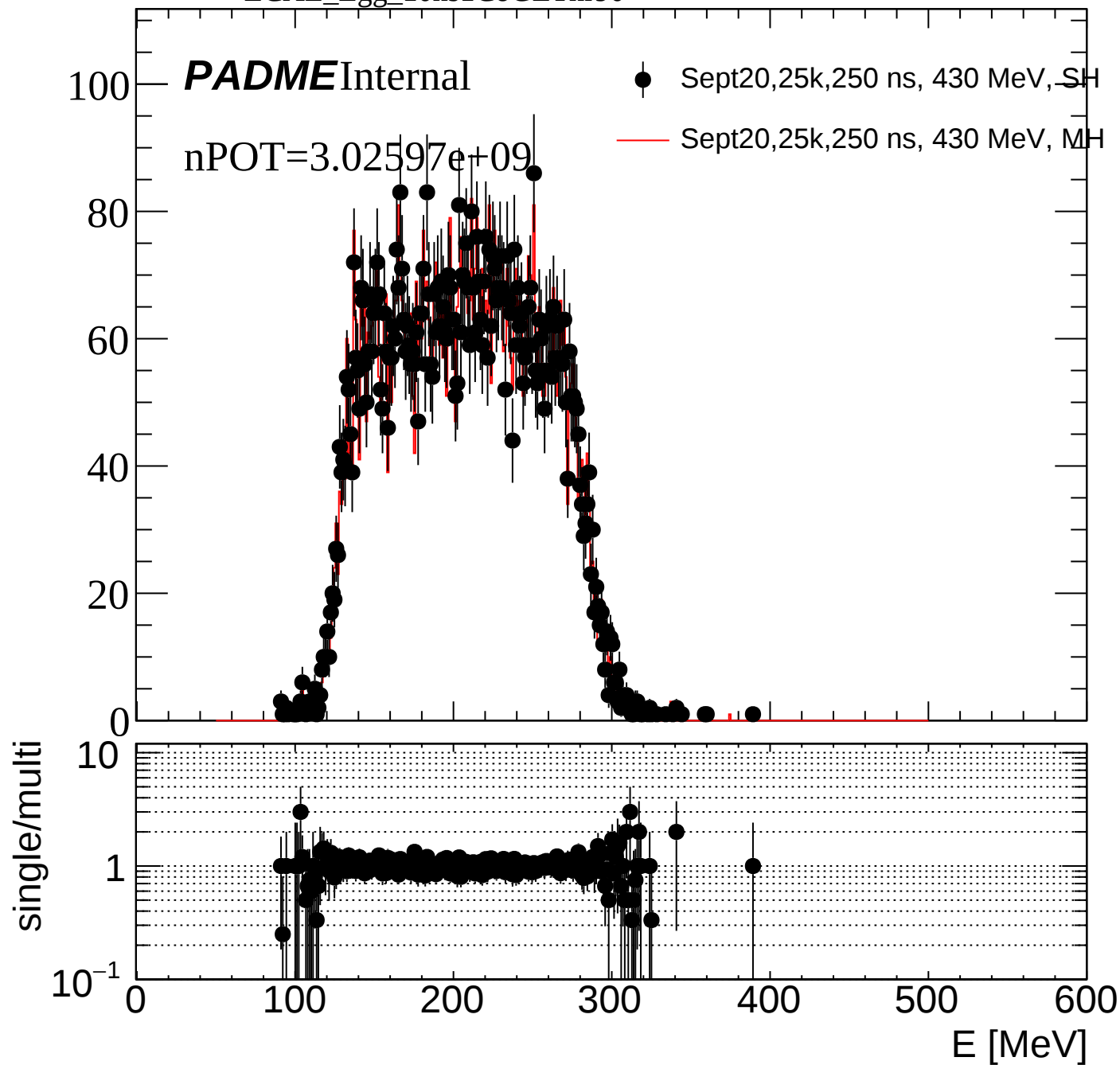
ECAL_Egg_10ns1CoG



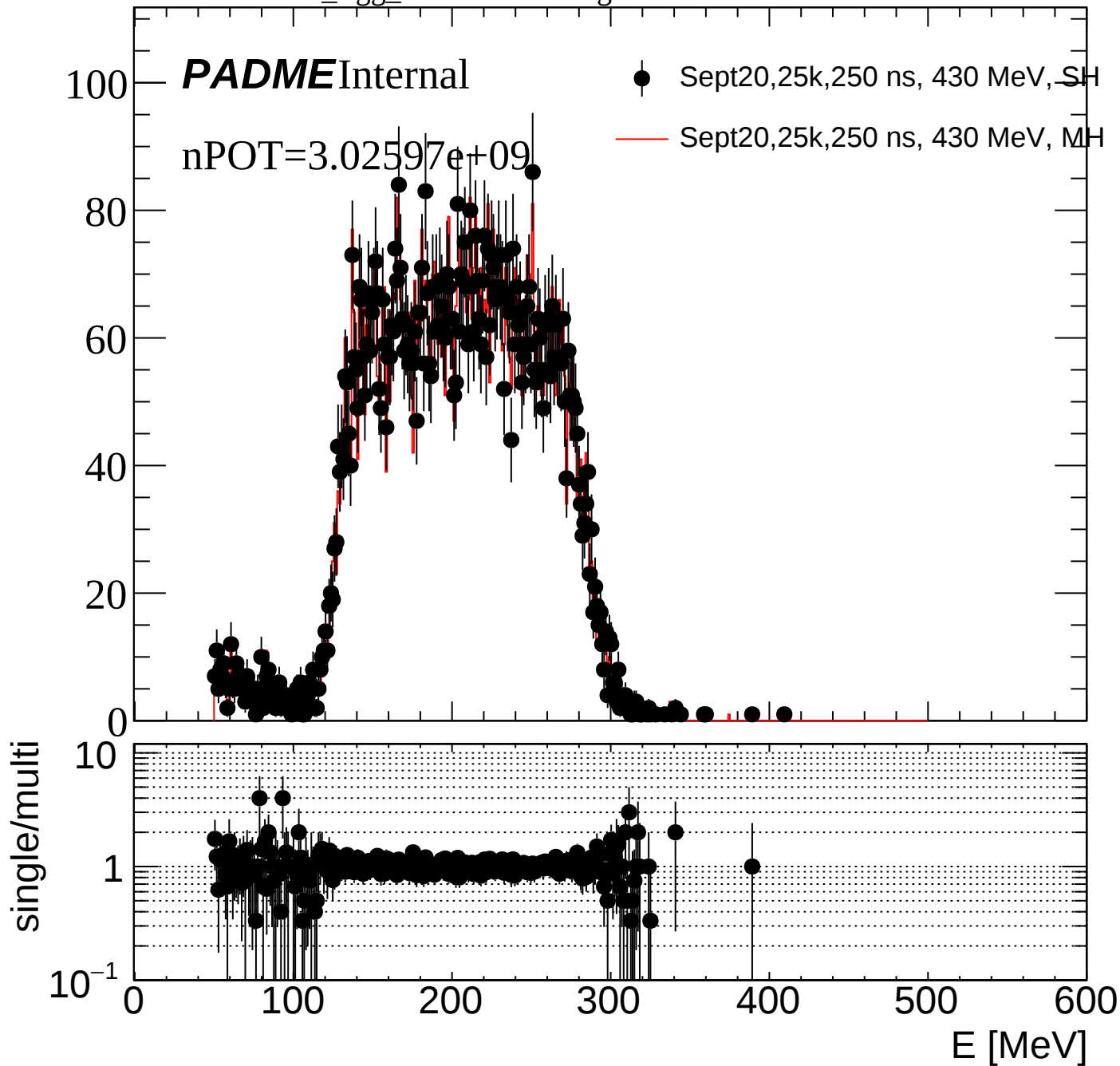
ECAL_Egg_10ns1CoGUnderPeak



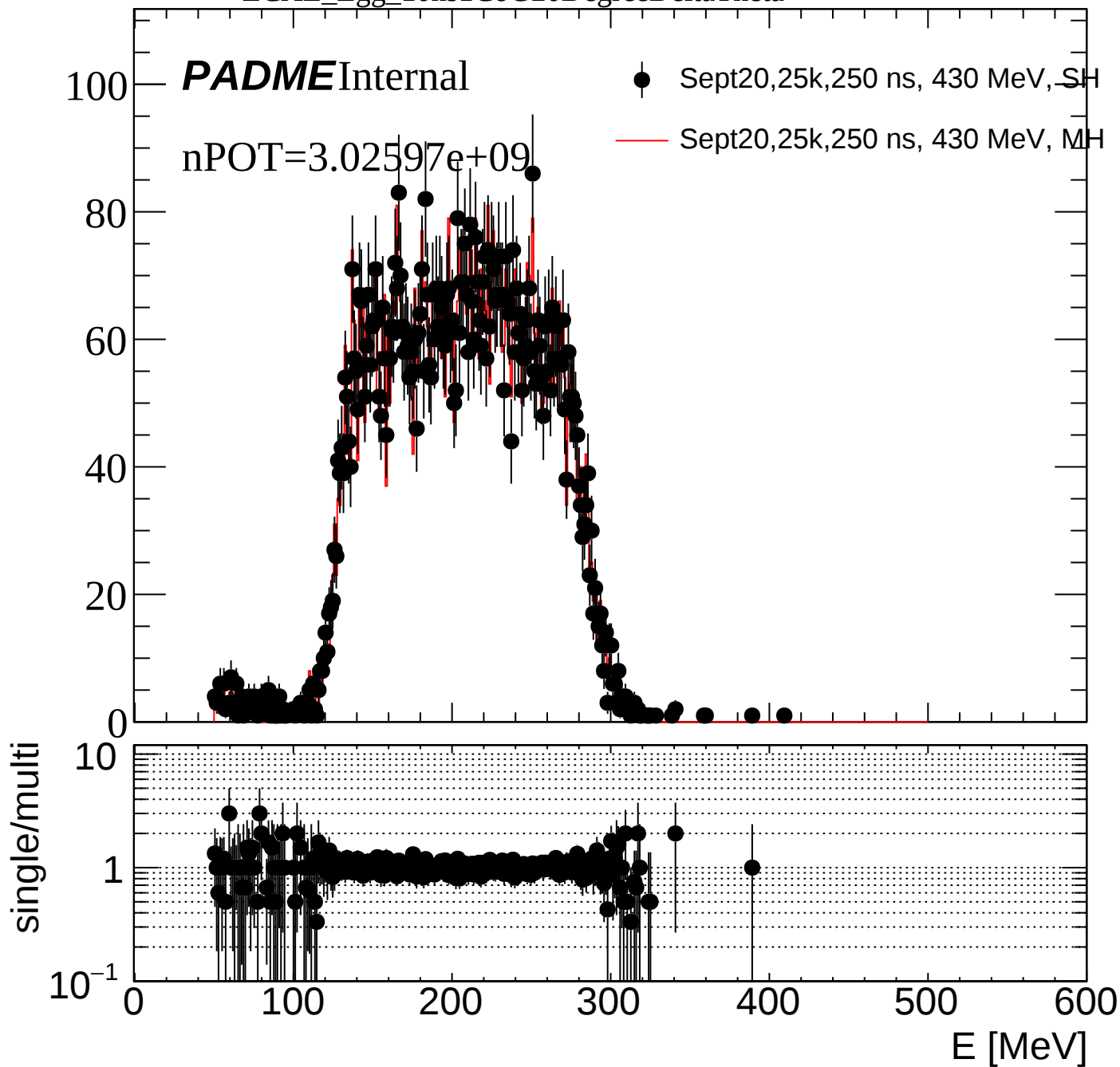


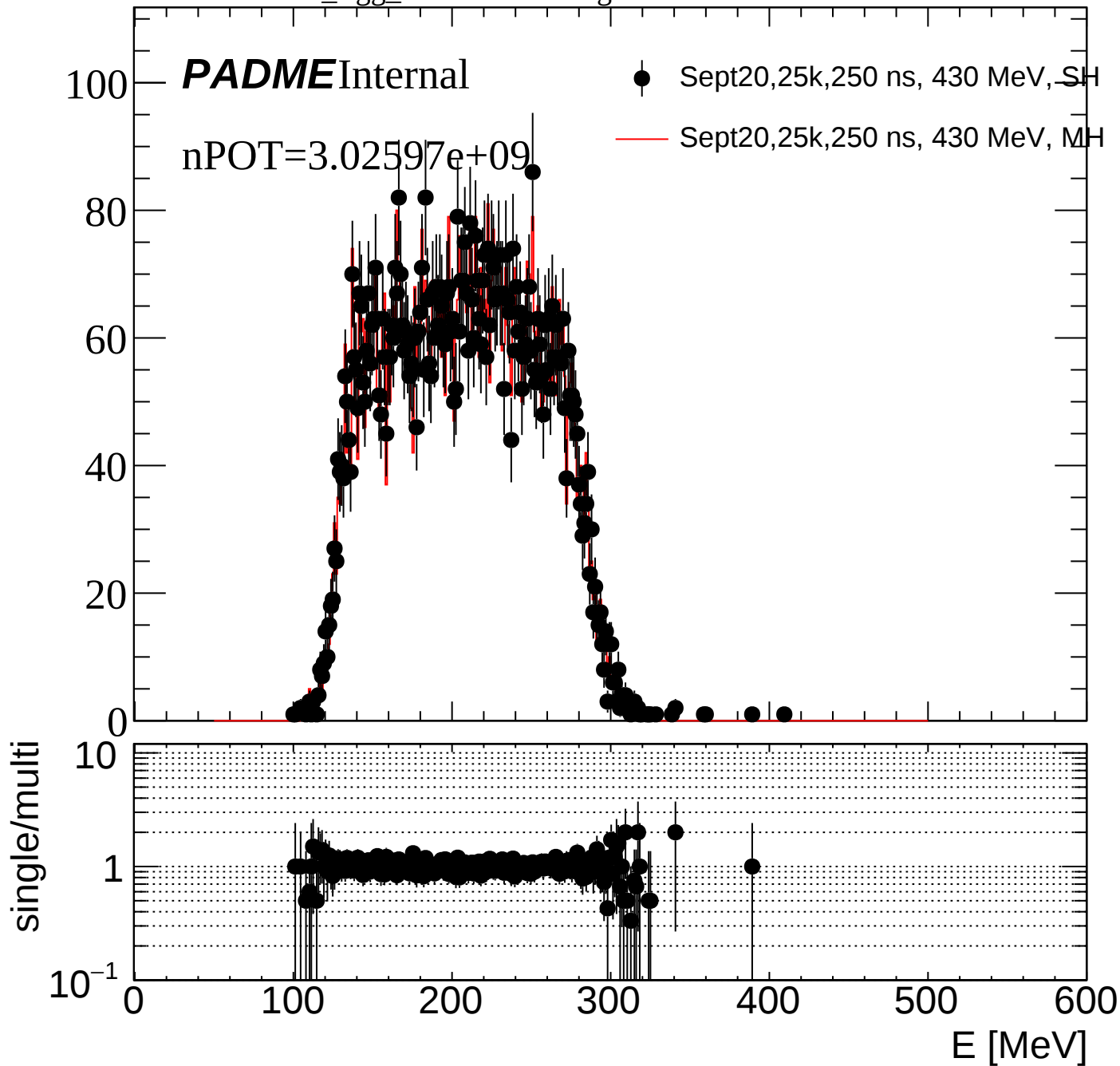


ECAL_Egg_10ns1CoG20Degree



ECAL_Egg_10ns1CoG20DegreeDeltaTheta





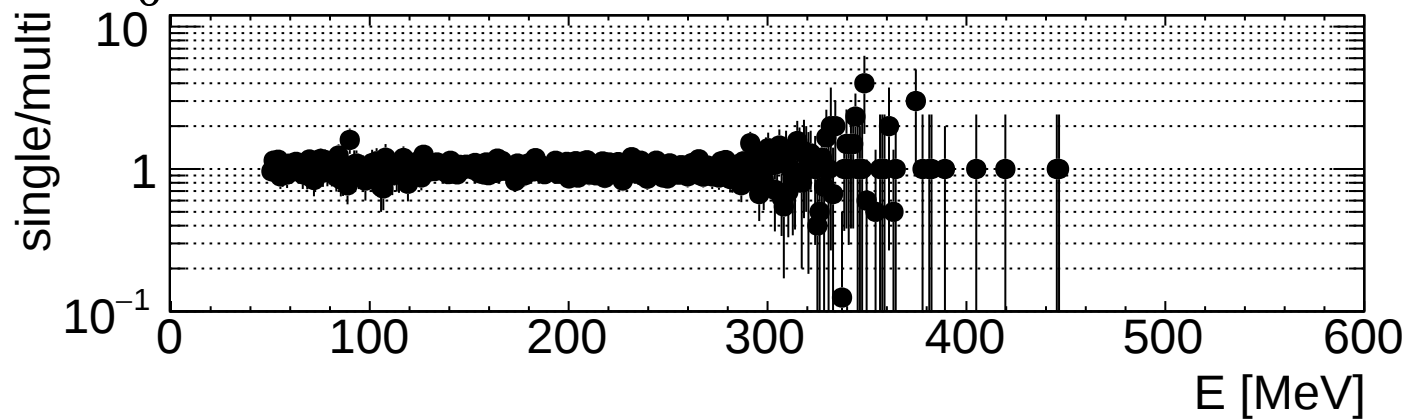
ECAL_Egg_10ns3CoG

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



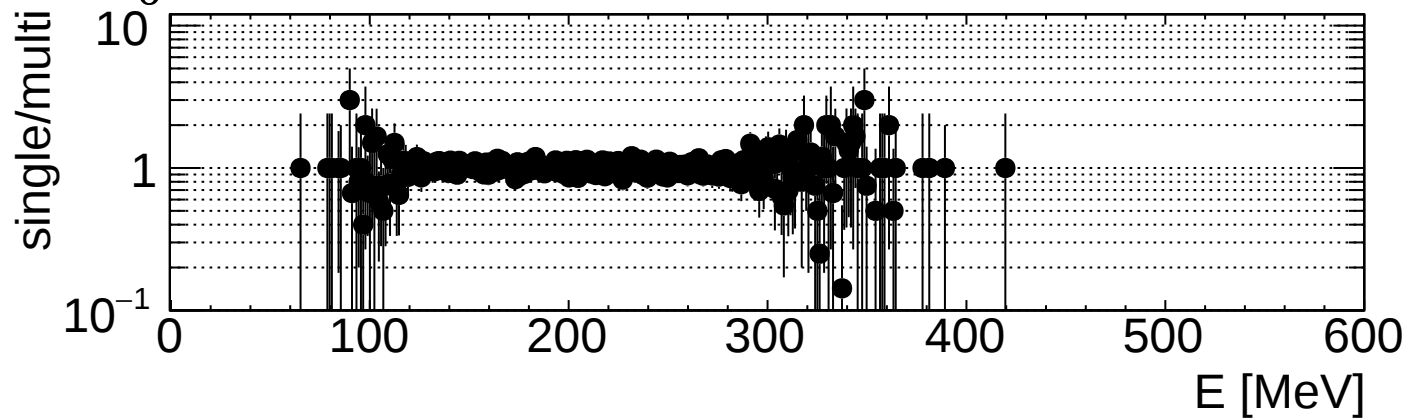
ECAL_Egg_10ns3CoGUnderPeak

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



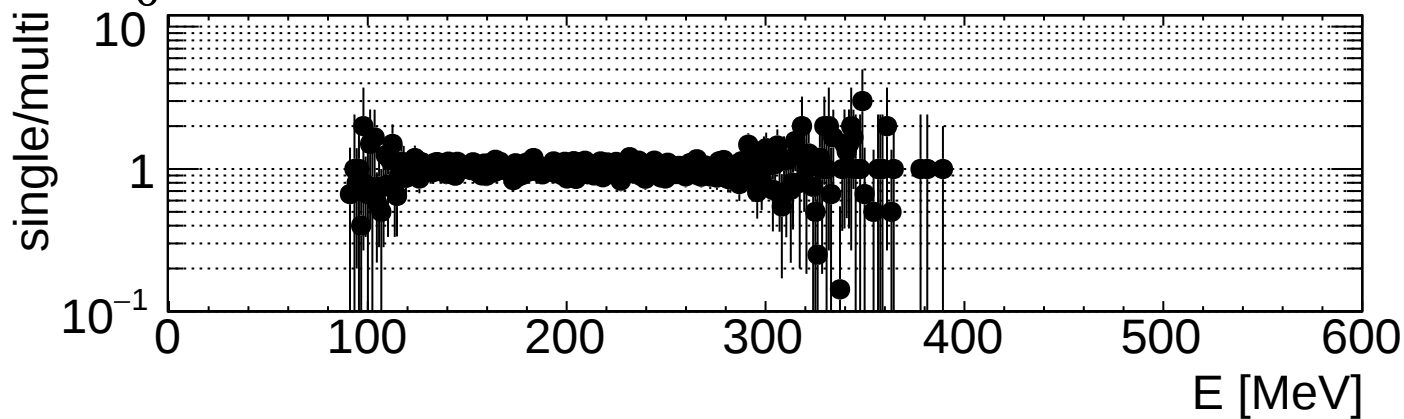
ECAL_Egg_10ns3CoGUnderPeakEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



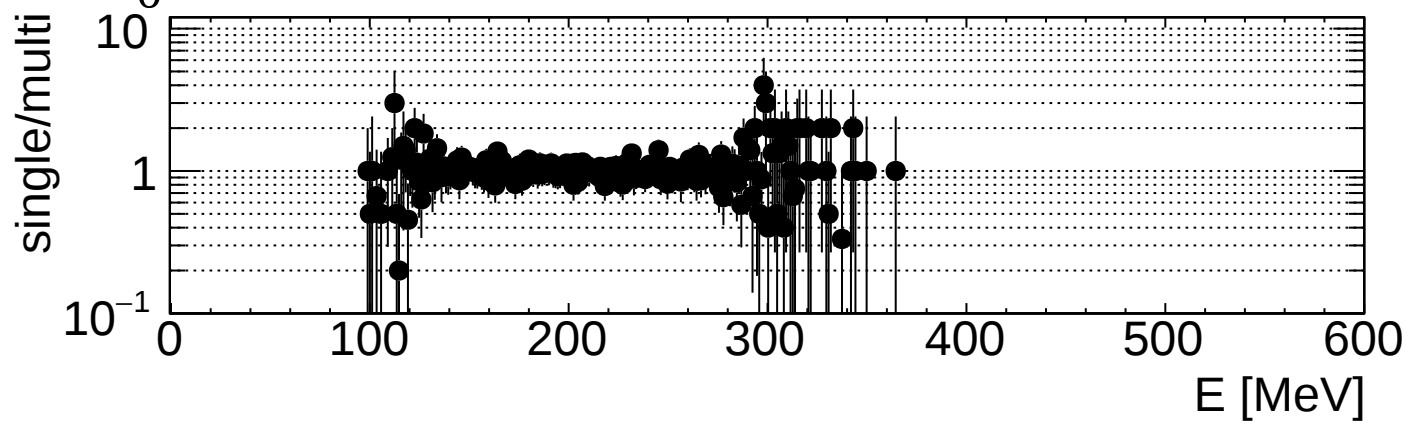
ECAL_Egg_10ns3CoGUnderPeakEThr90_FRY

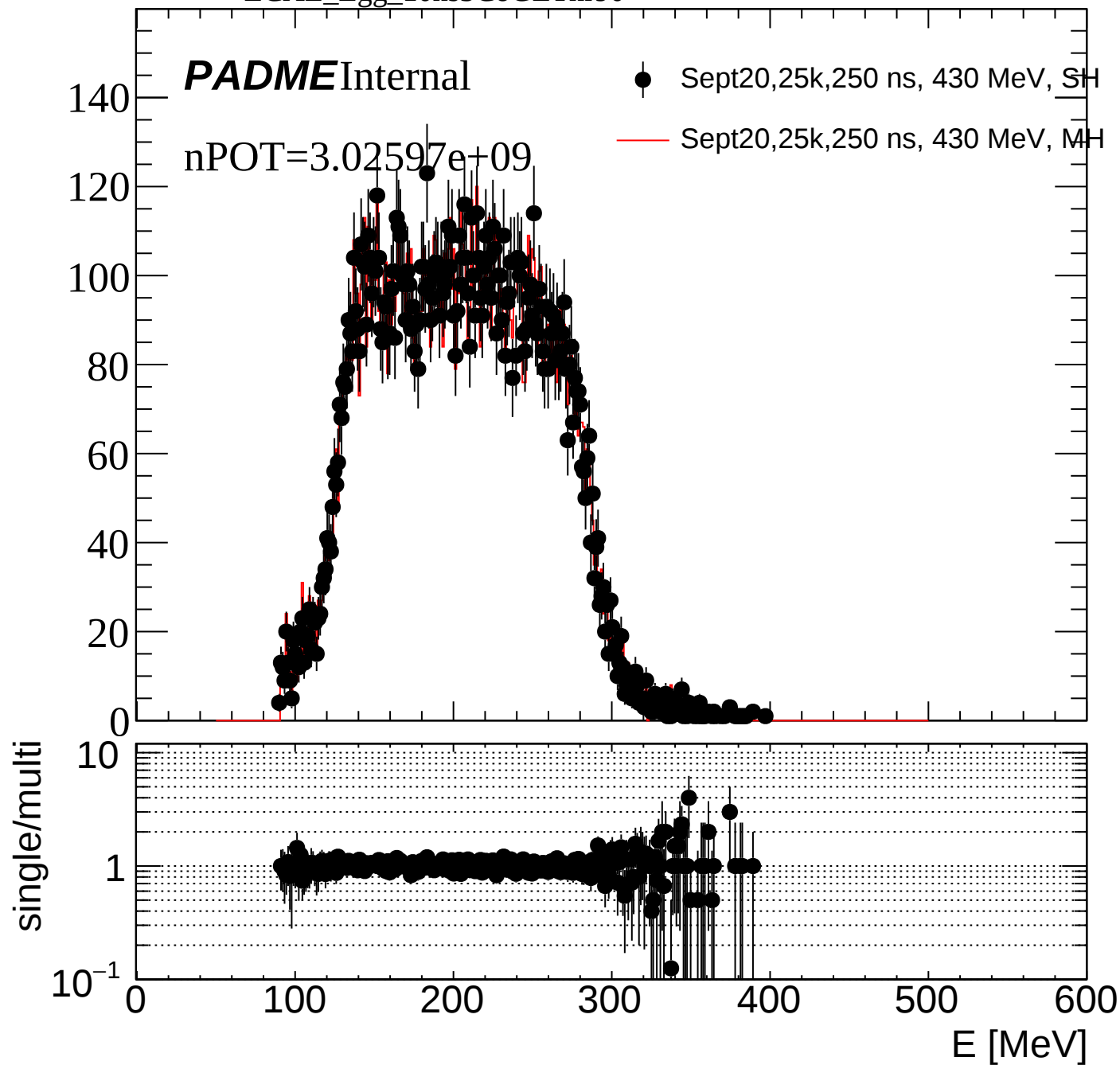
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH





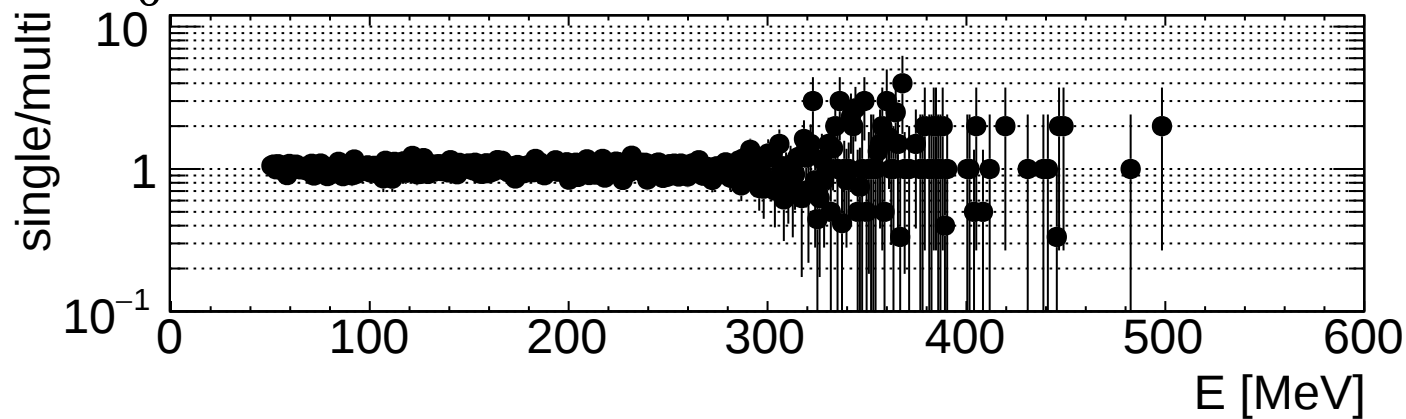
ECAL_Egg_10ns5CoG

PADMEInternal

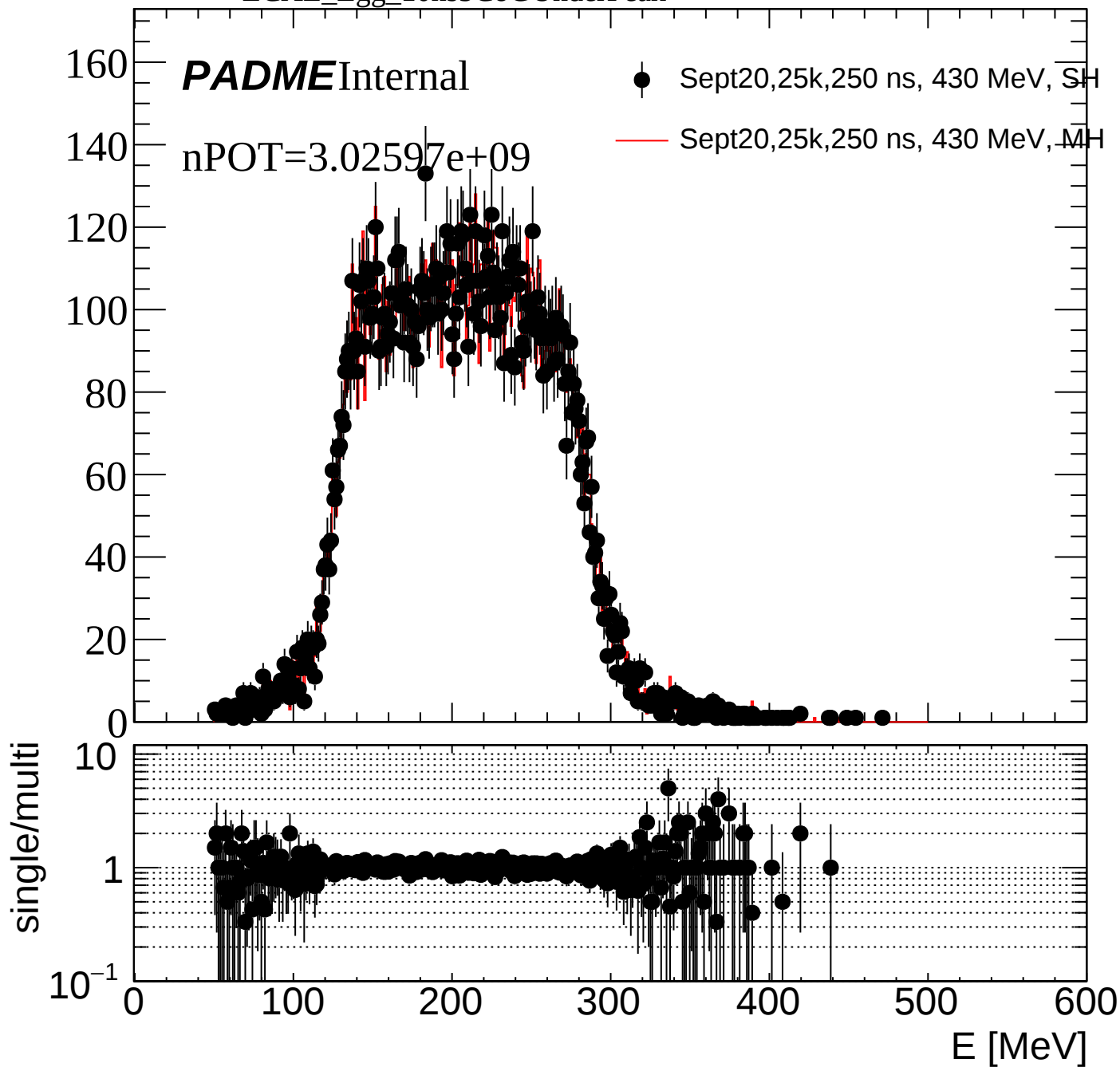
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

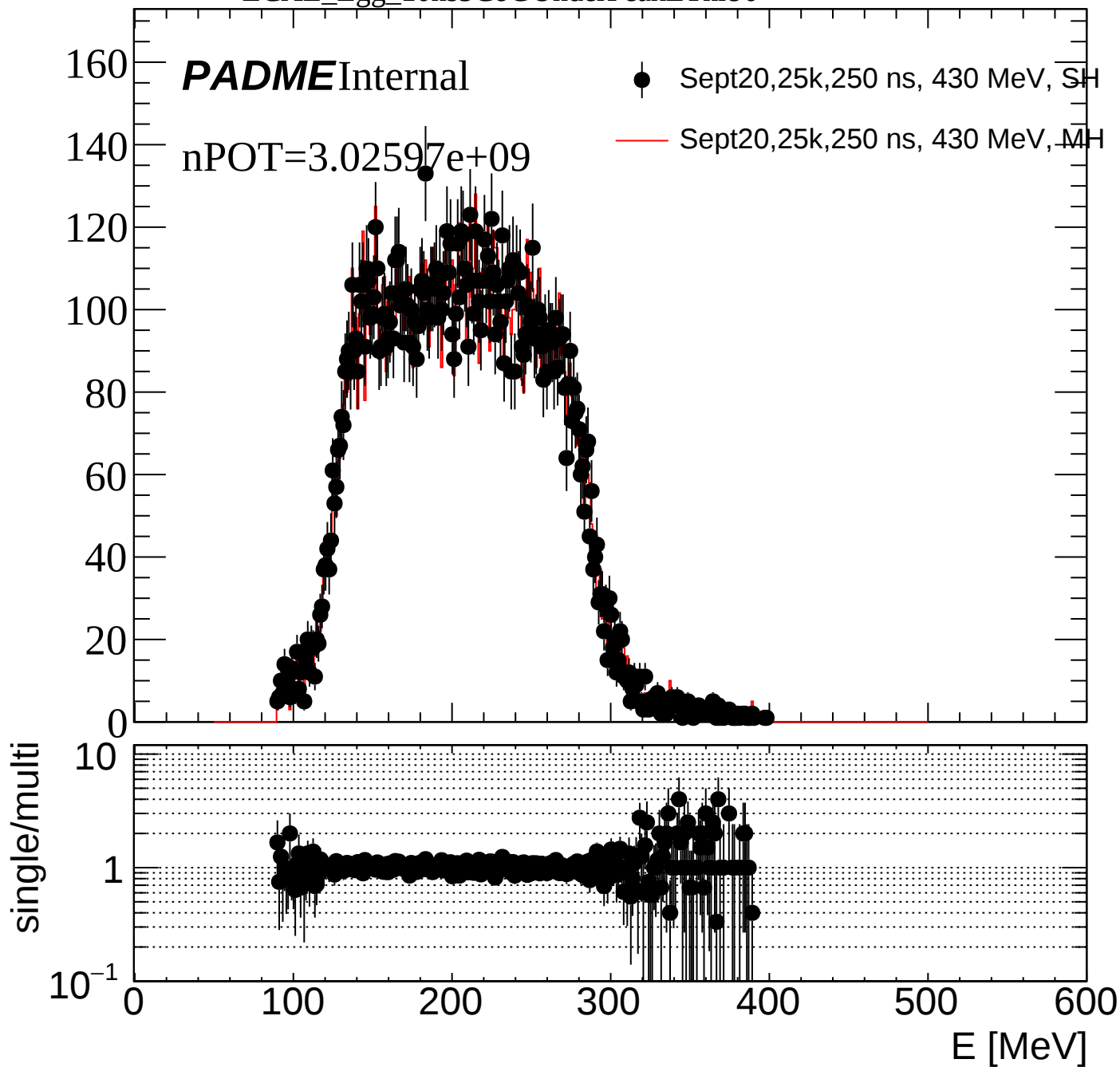
— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Egg_10ns5CoGUnderPeak



ECAL_Egg_10ns5CoGUnderPeakEThr90



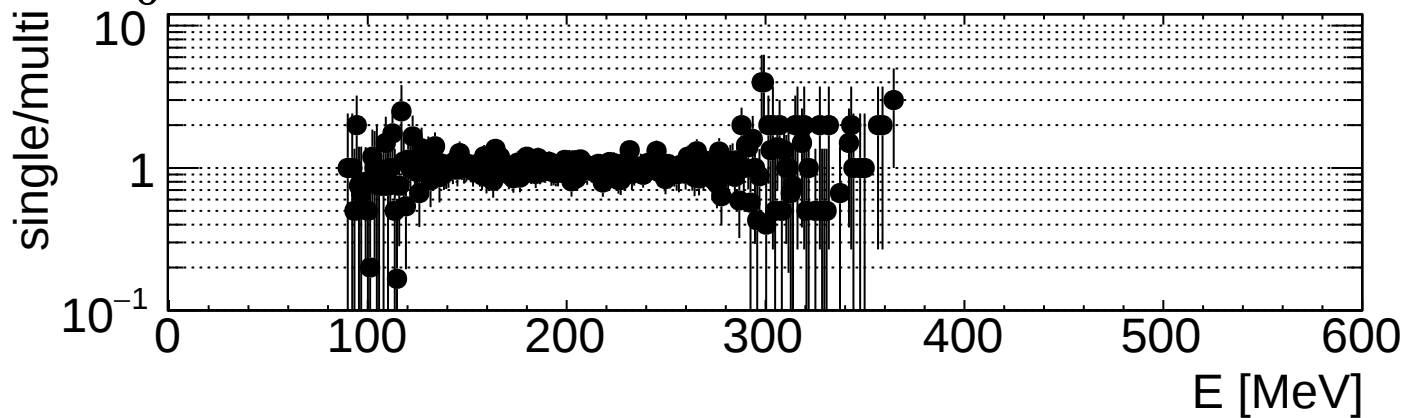
ECAL_Egg_10ns5CoGUnderPeakEThr90_FRY

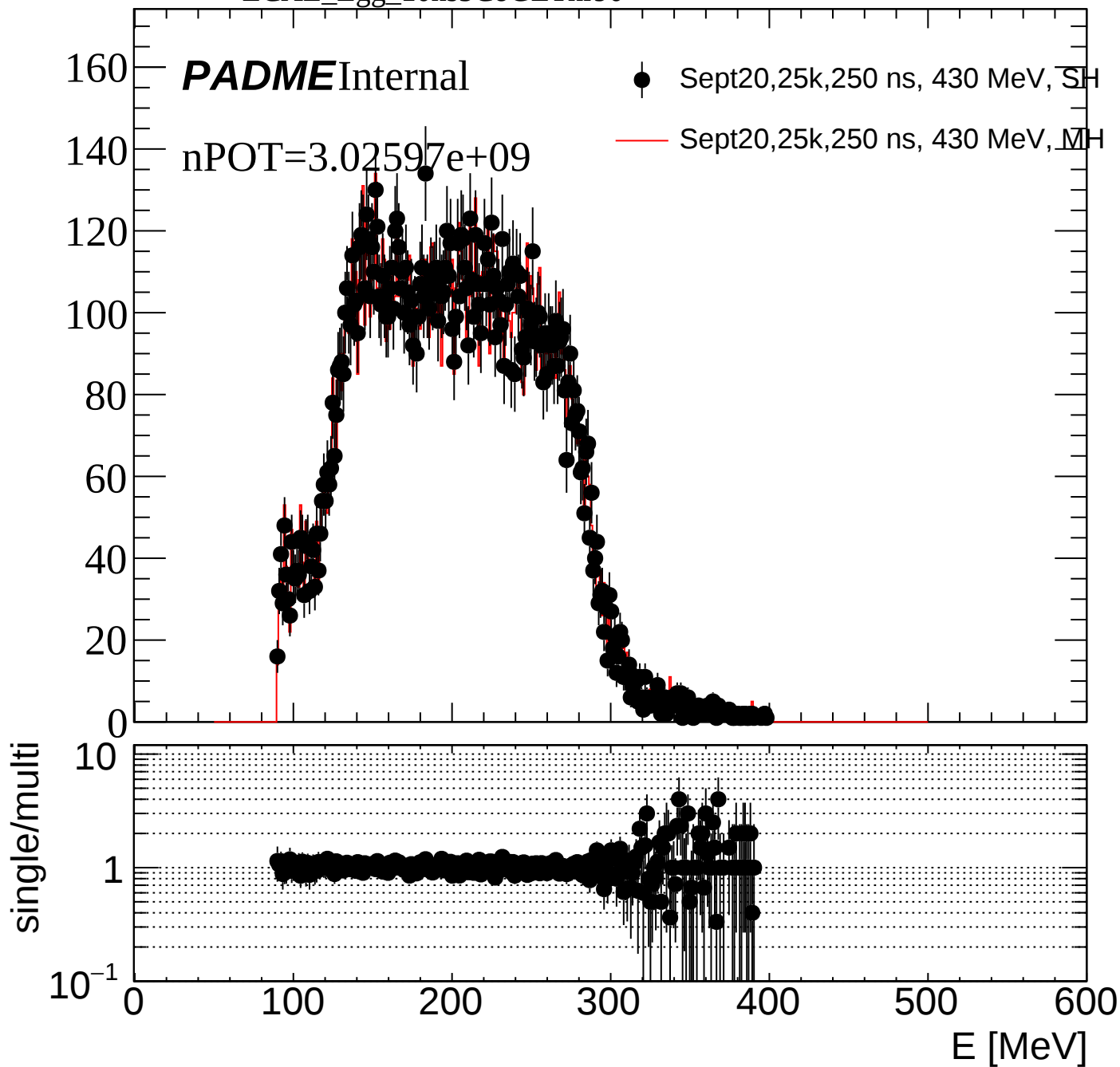
PADMEInternal

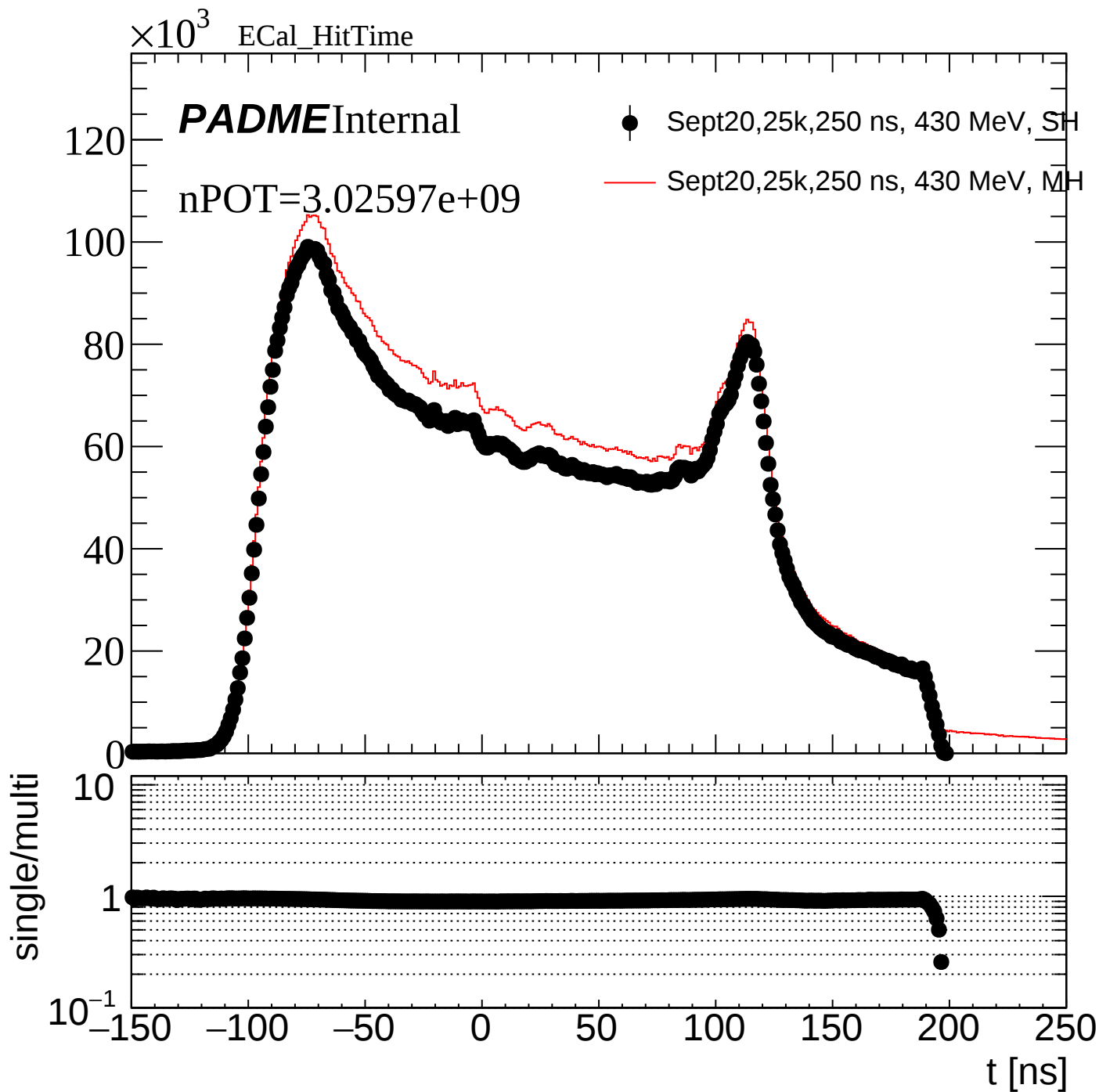
nPOT=3.02597e+09

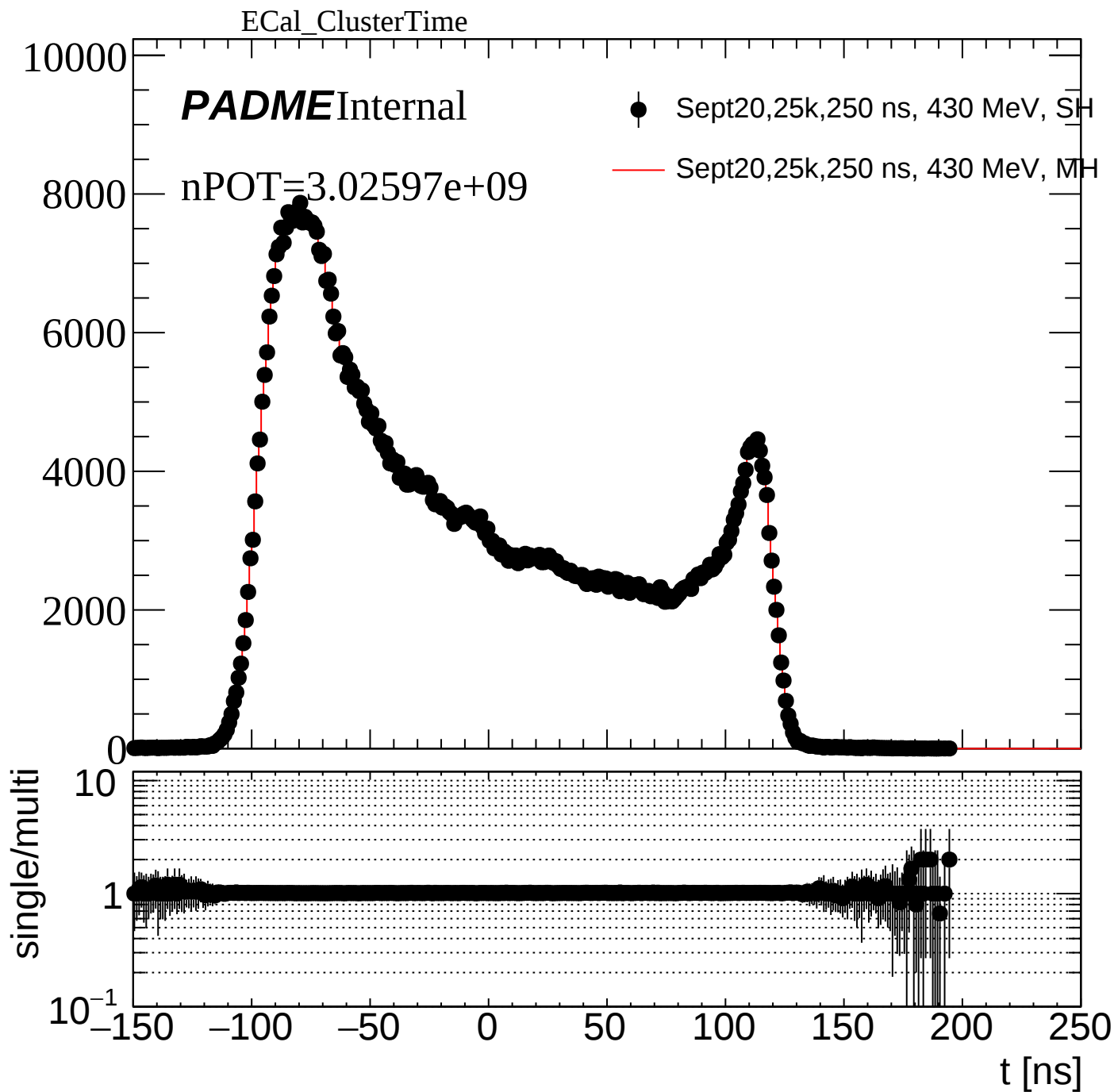
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH









ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90

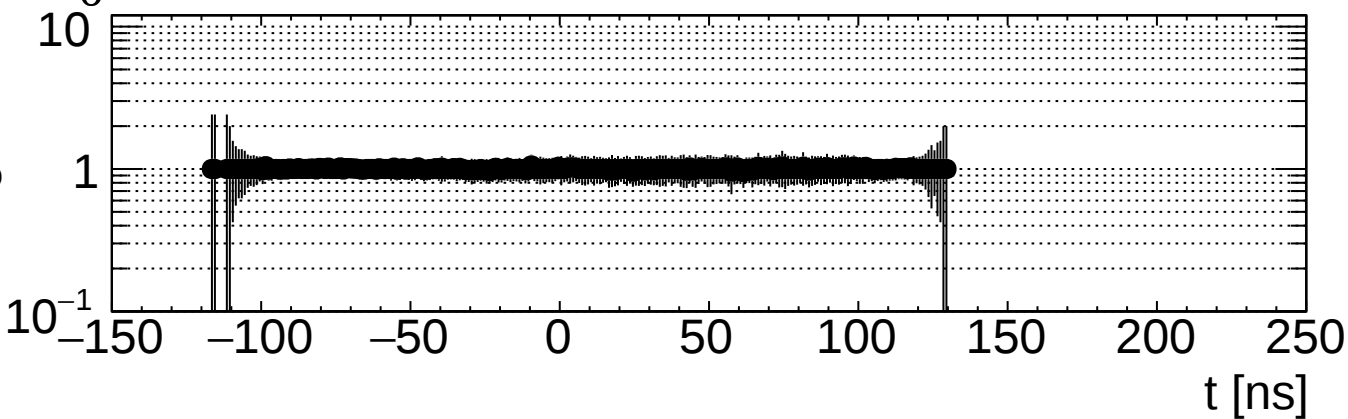
PADMEInternal

nPOT=3.02597e+09

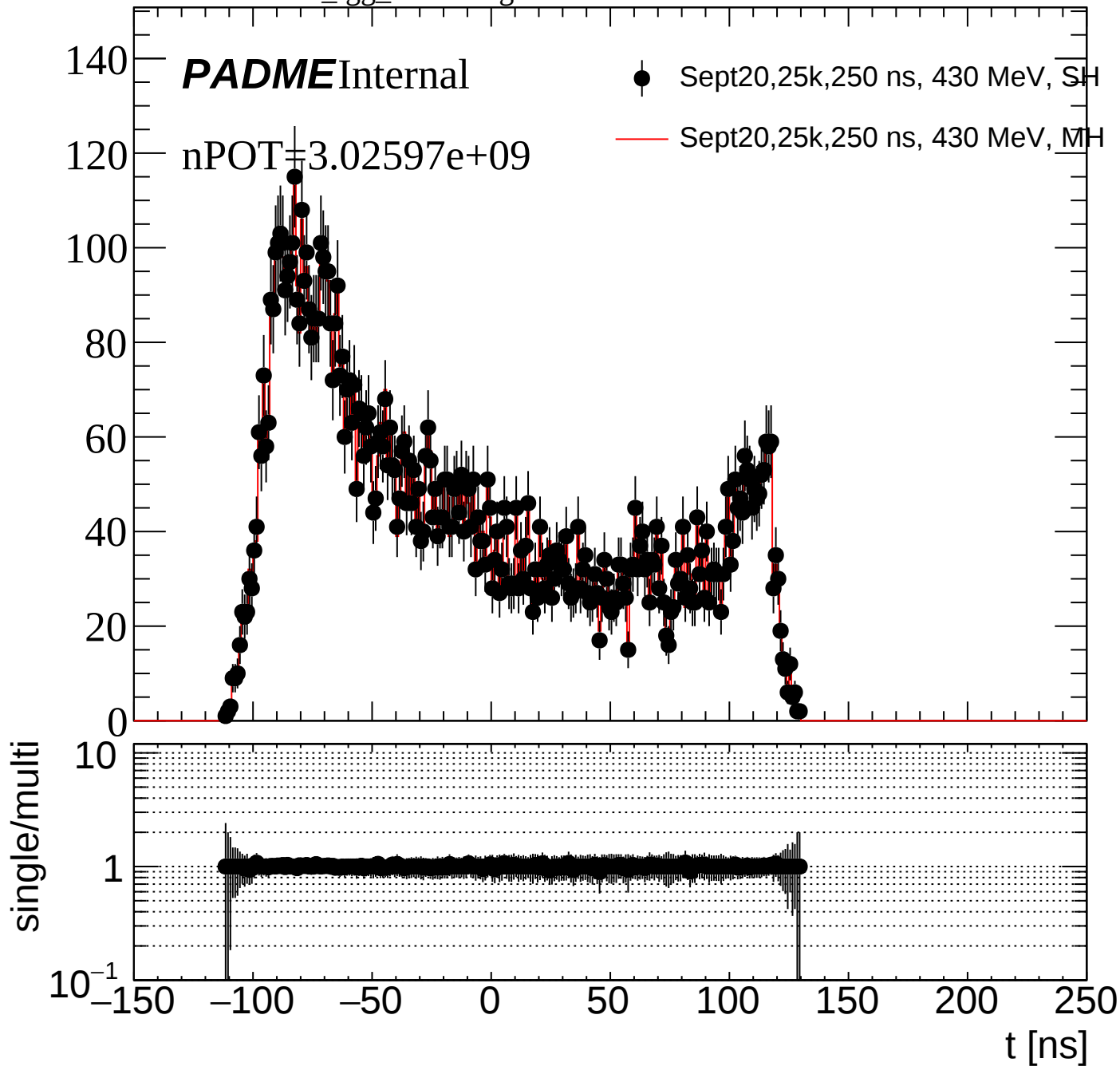
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

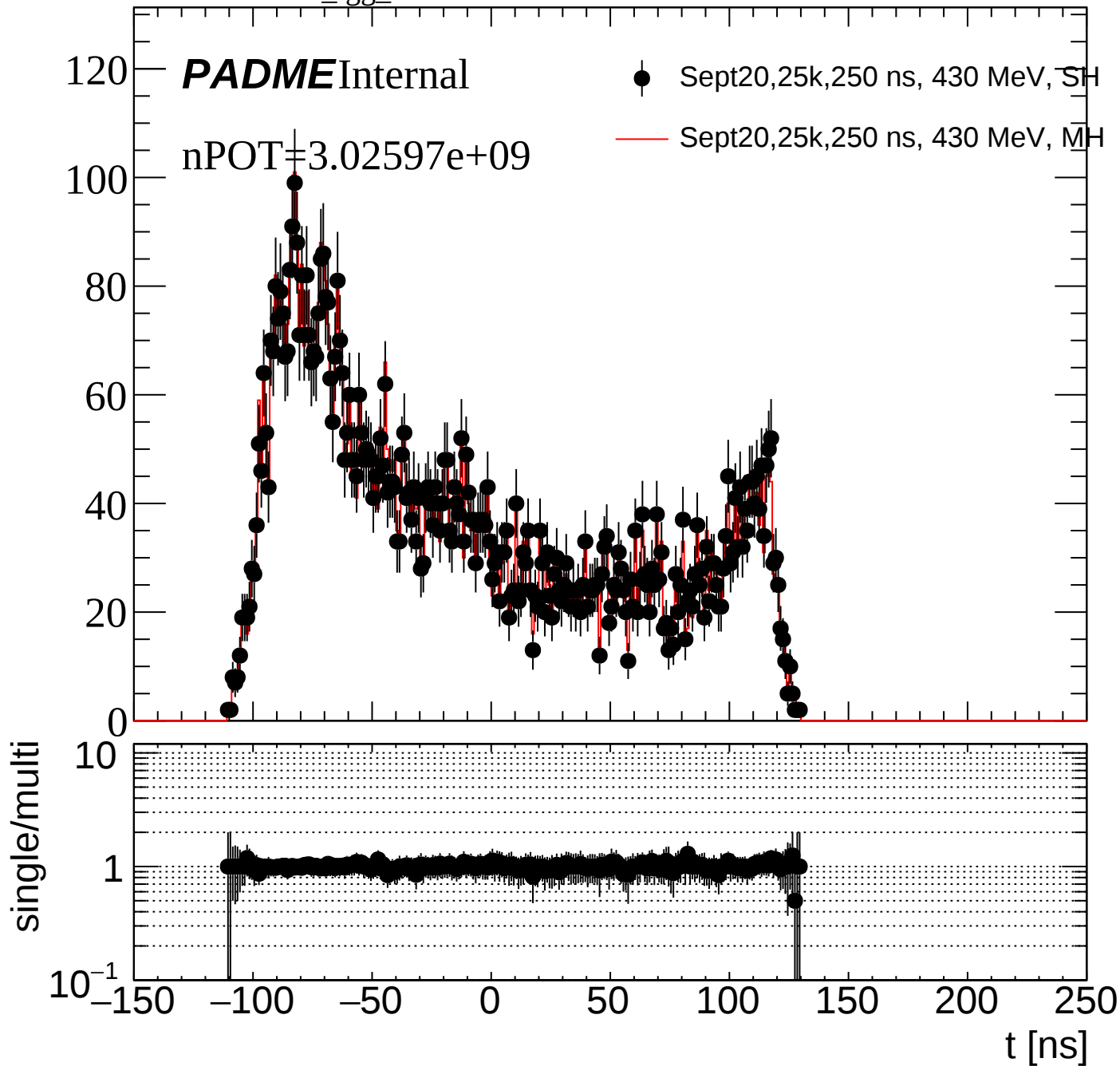
single/multi



ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90



ECAL_tgg_10ns1CoGUnderPeakEThr90



ECAL_tgg_10ns3CoGUnderPeakEThr90

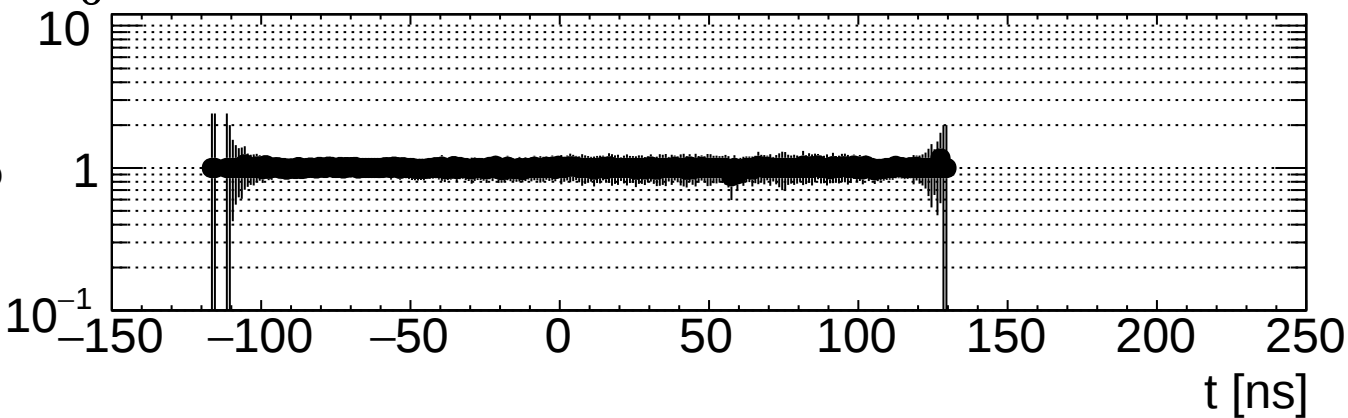
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



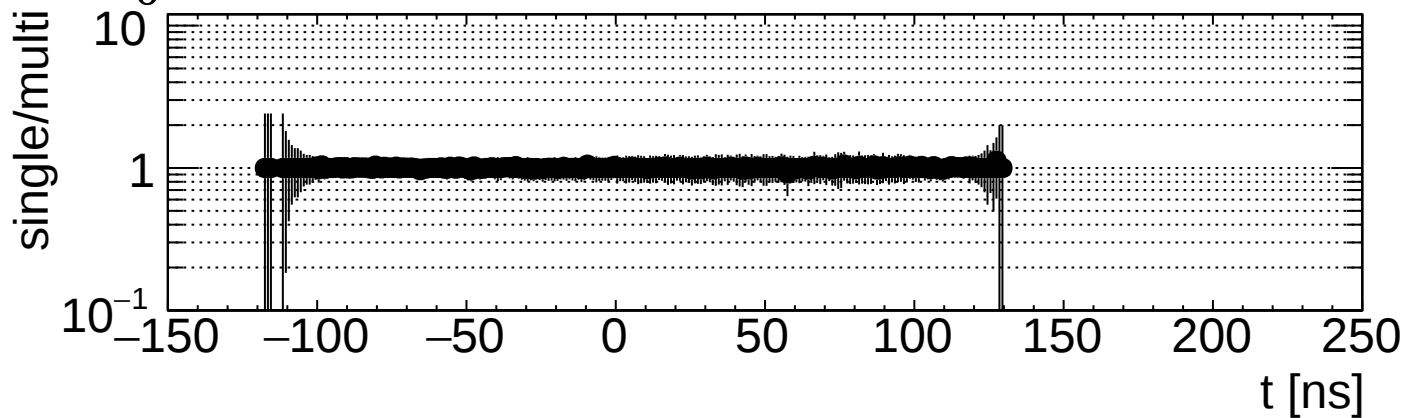
ECAL_tgg_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



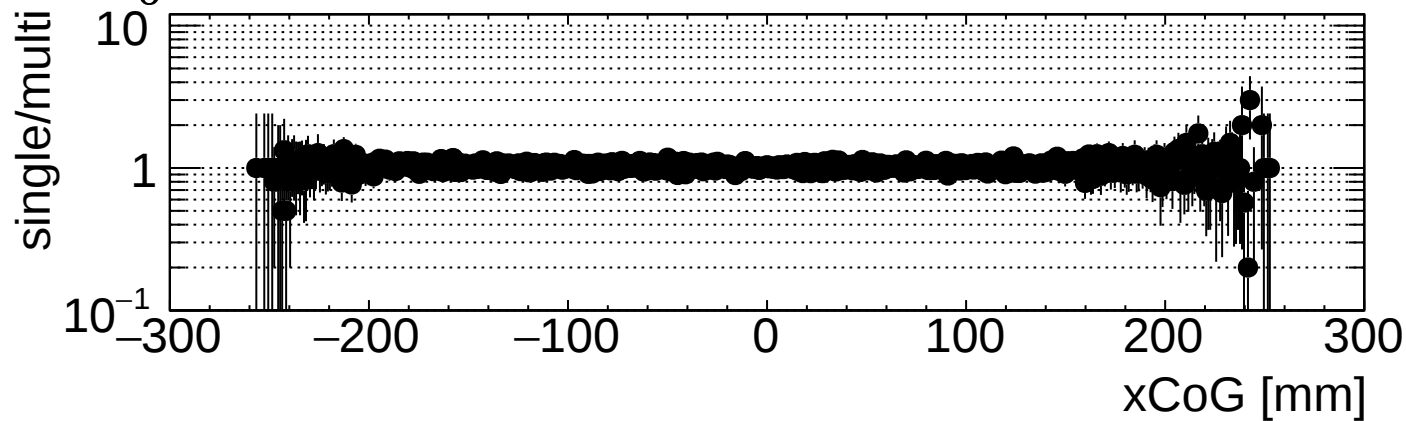
ECal_xCoG_10ns

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECal_yCoG_10ns

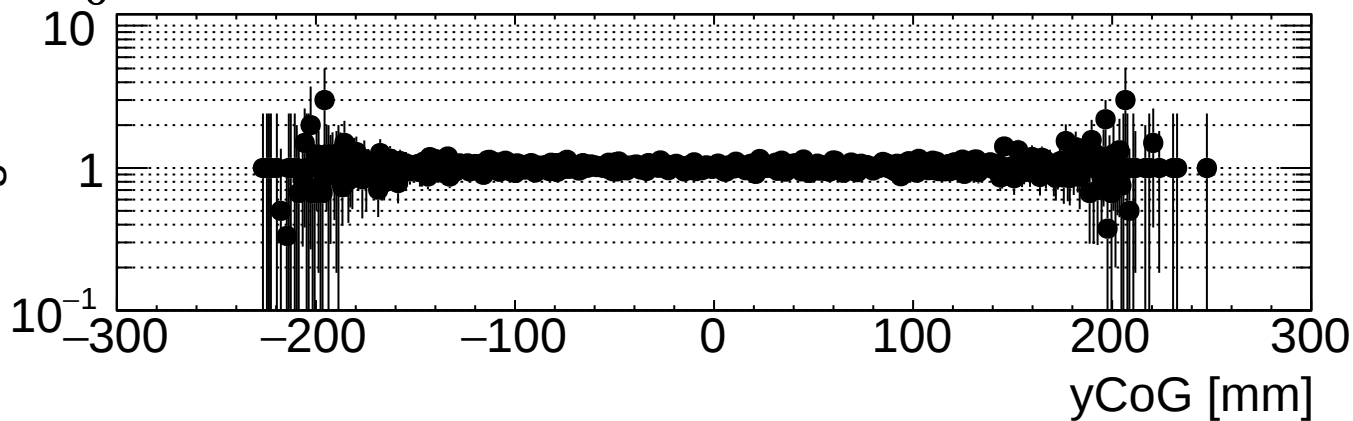
PADMEInternal

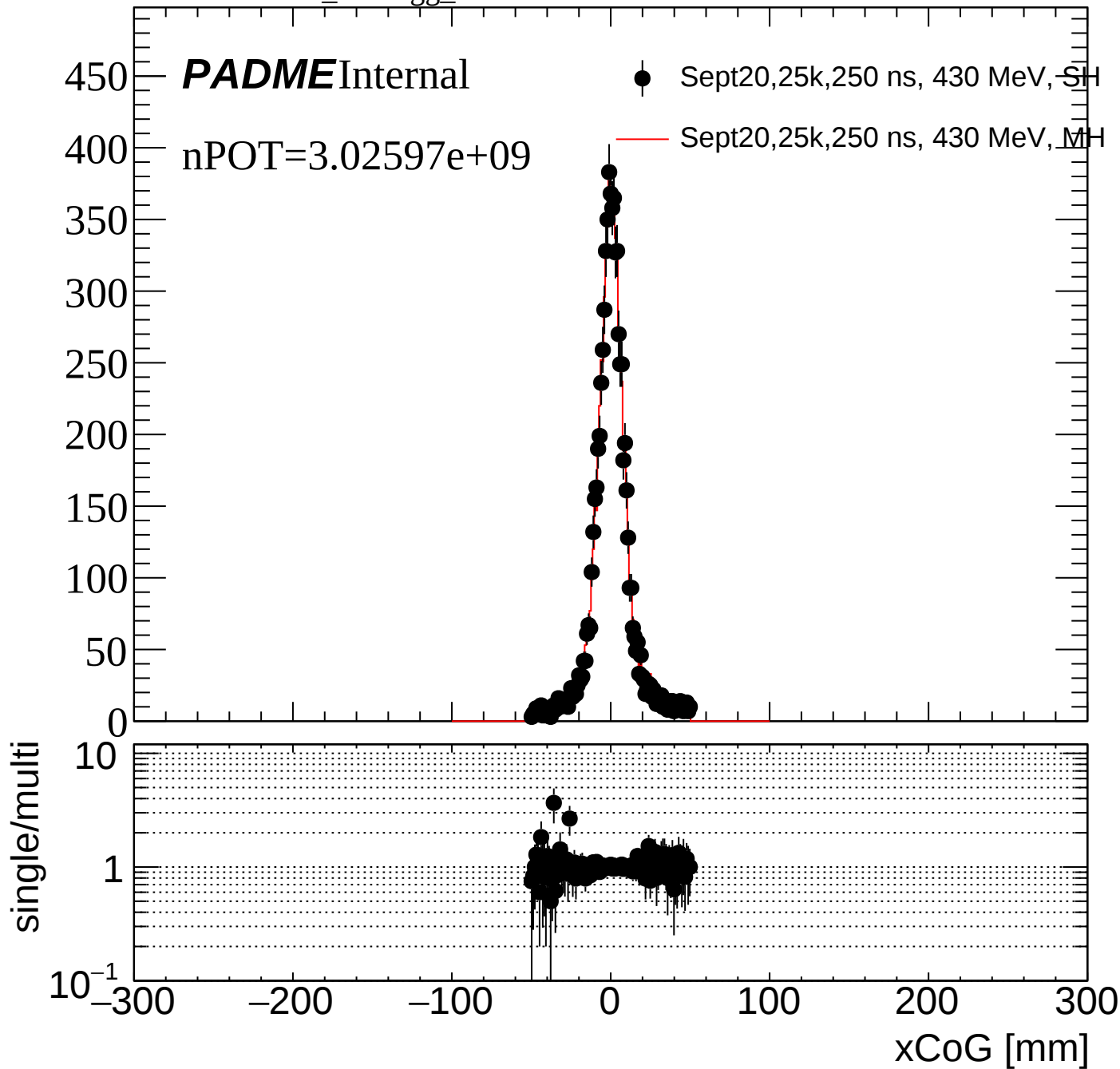
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

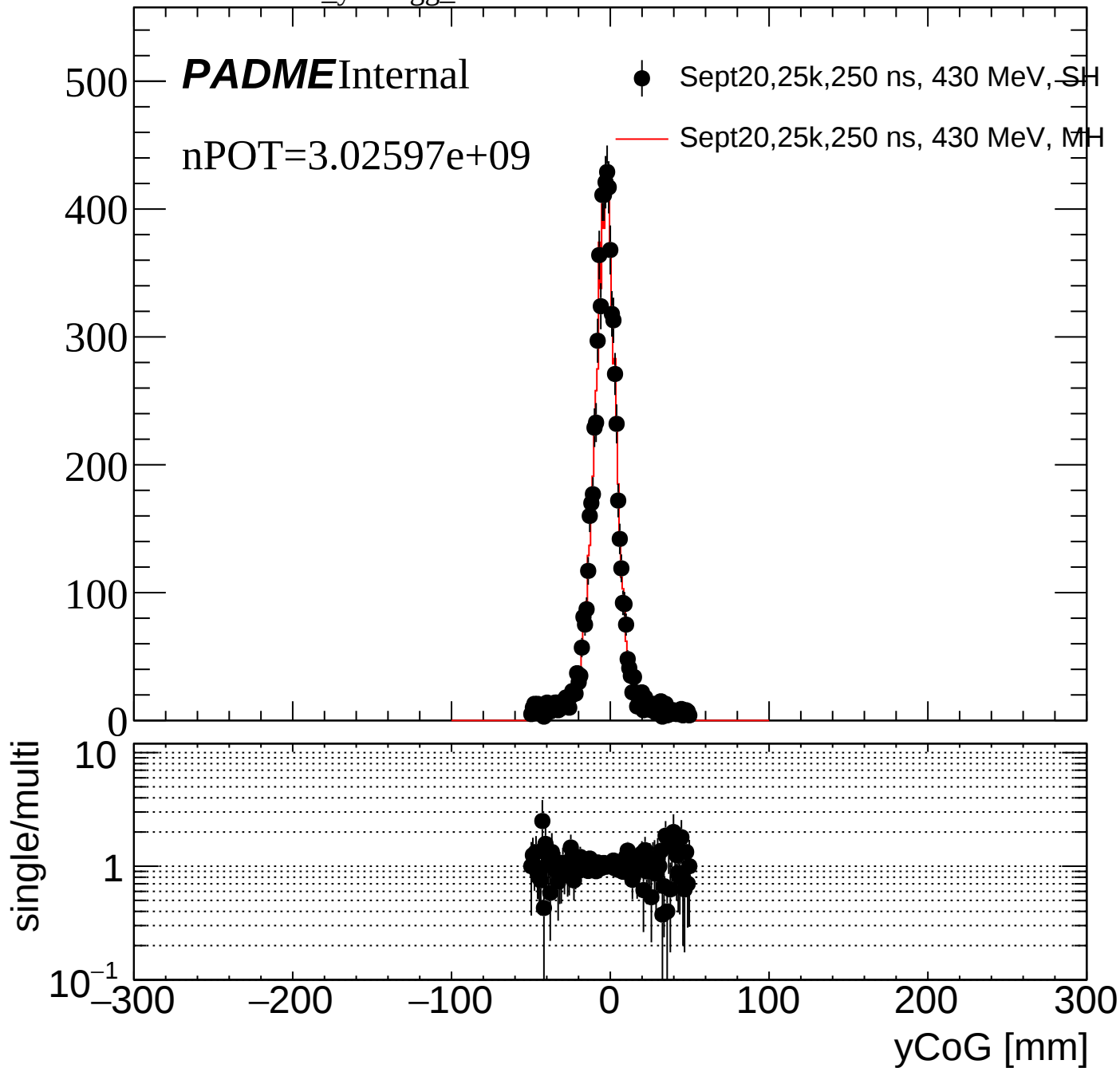
— Sept20,25k,250 ns, 430 MeV, MH

single/multi

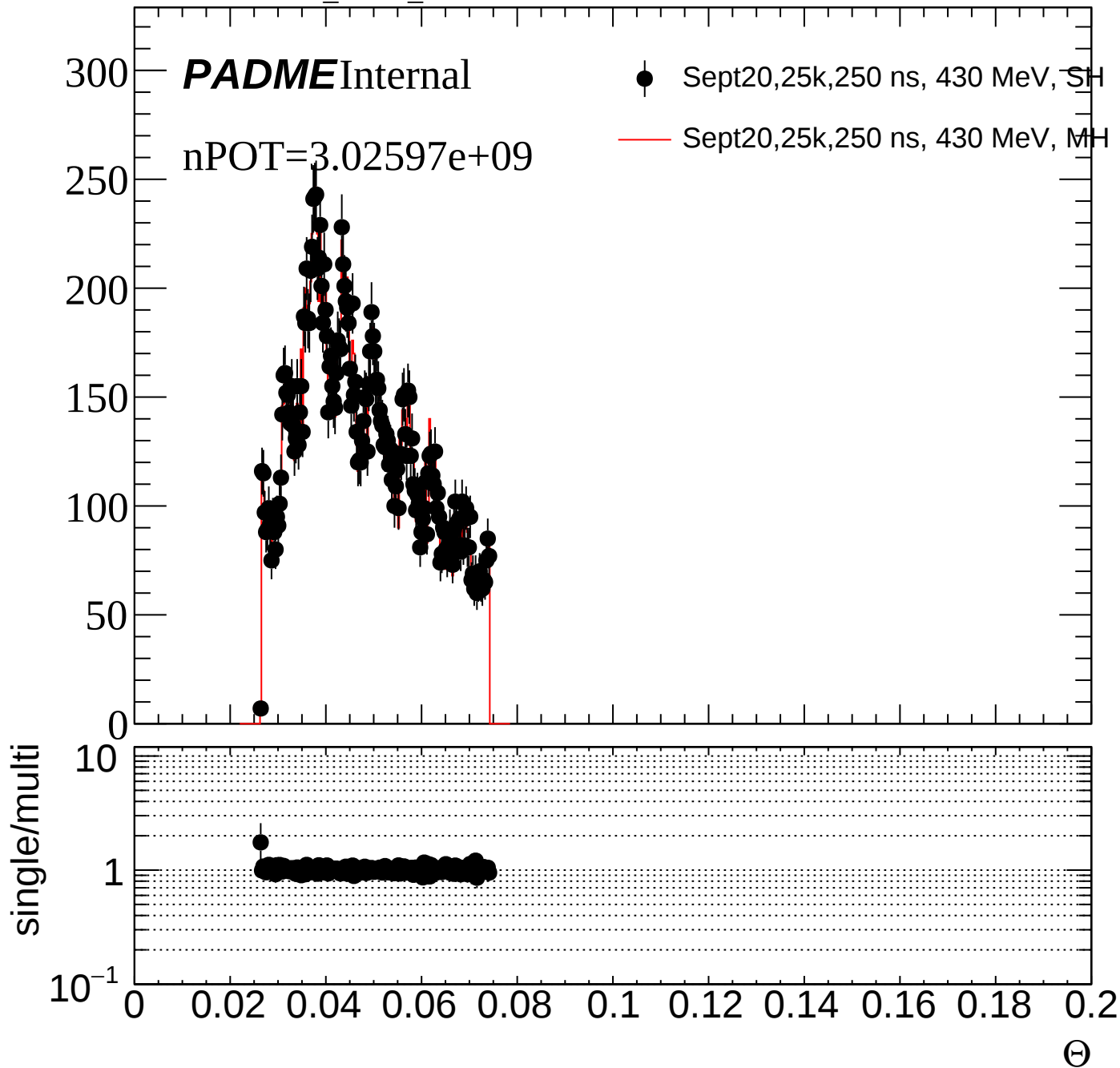




ECAL_yCoGgg_10ns5CoGUnderPeakEThr90



ECAL_Theta_10nsUnderPeakEThr90



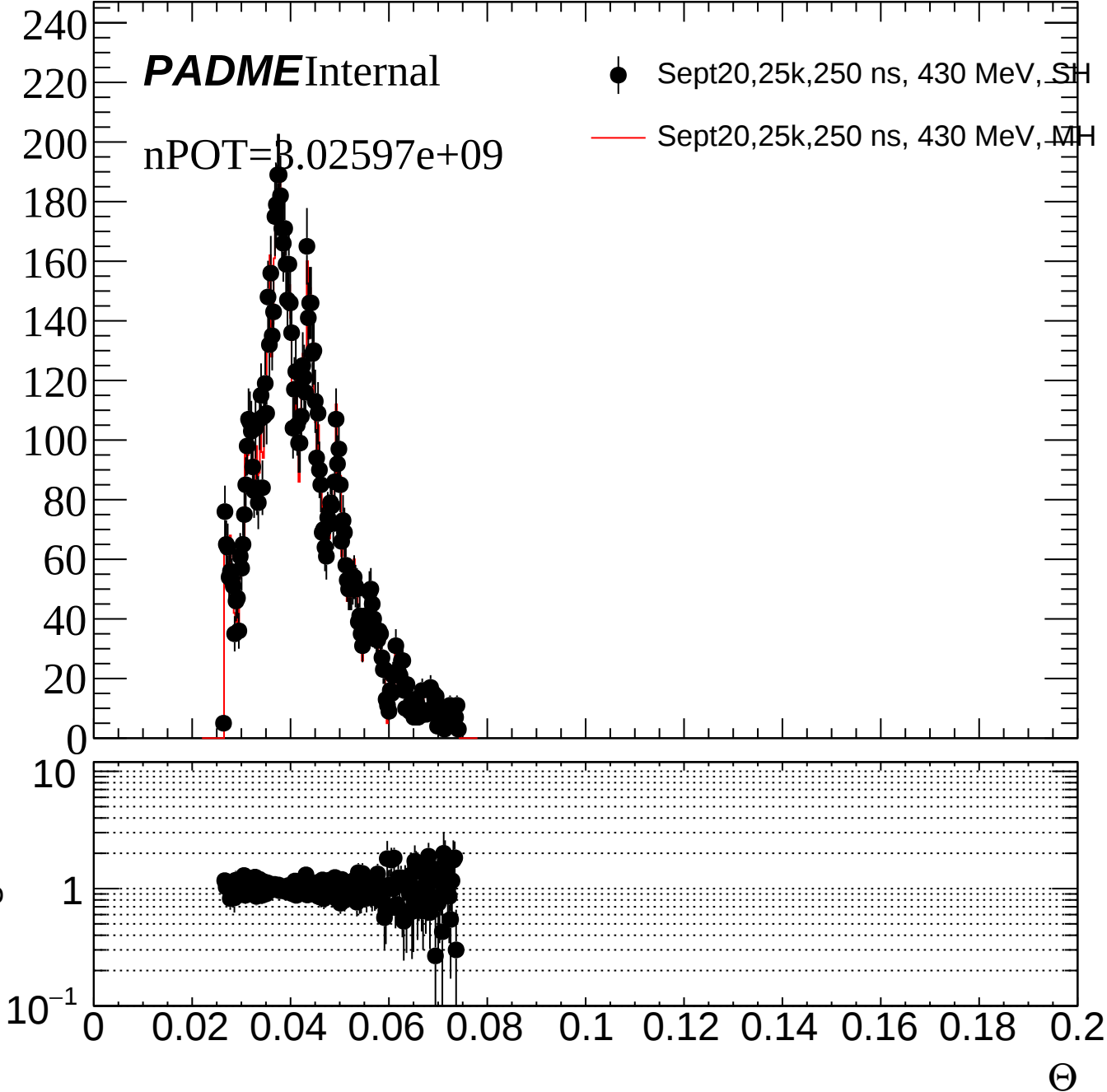
ECAL_ThetaG1_10nsUnderPeakEThr90

PADME Internal

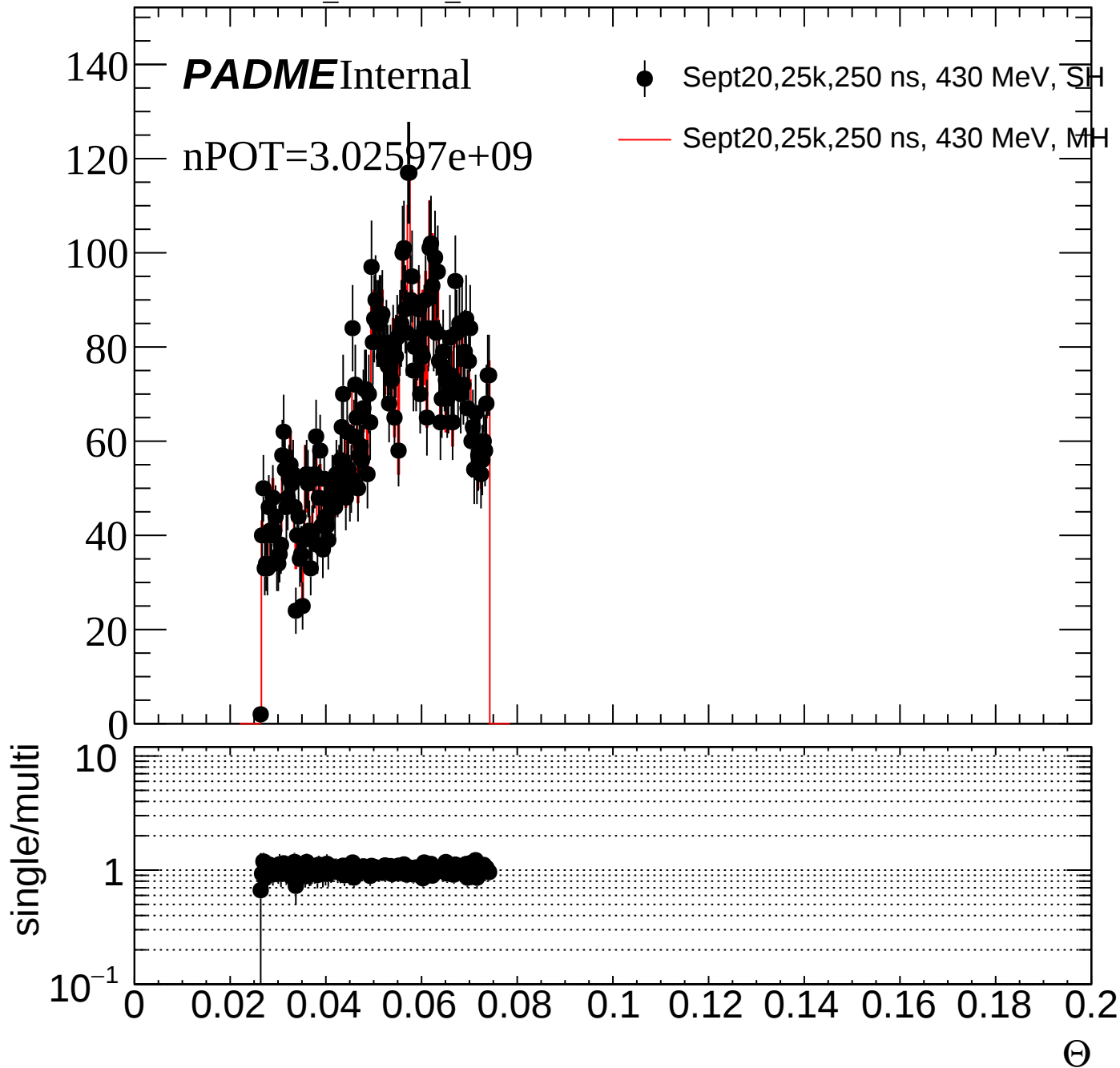
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH
— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_ThetaG2_10nsUnderPeakEThr90



ECAL_DeltaTheta_10ns

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

1200

1000

800

600

400

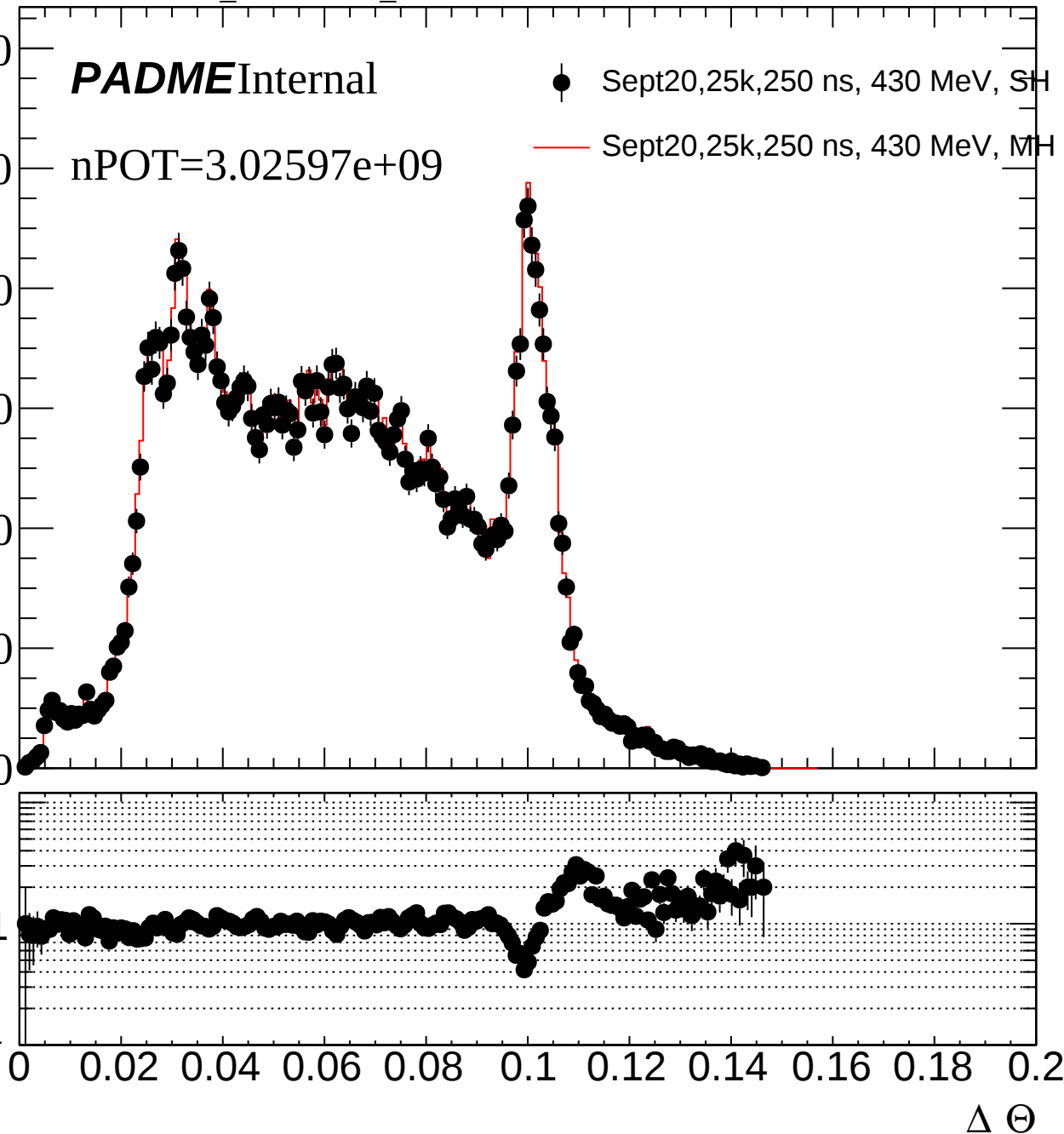
200

0

10

1

10⁻¹



$\Delta \Theta$

ECAL_DeltaTheta_10nsDeltaPhi20

PADMEInternal

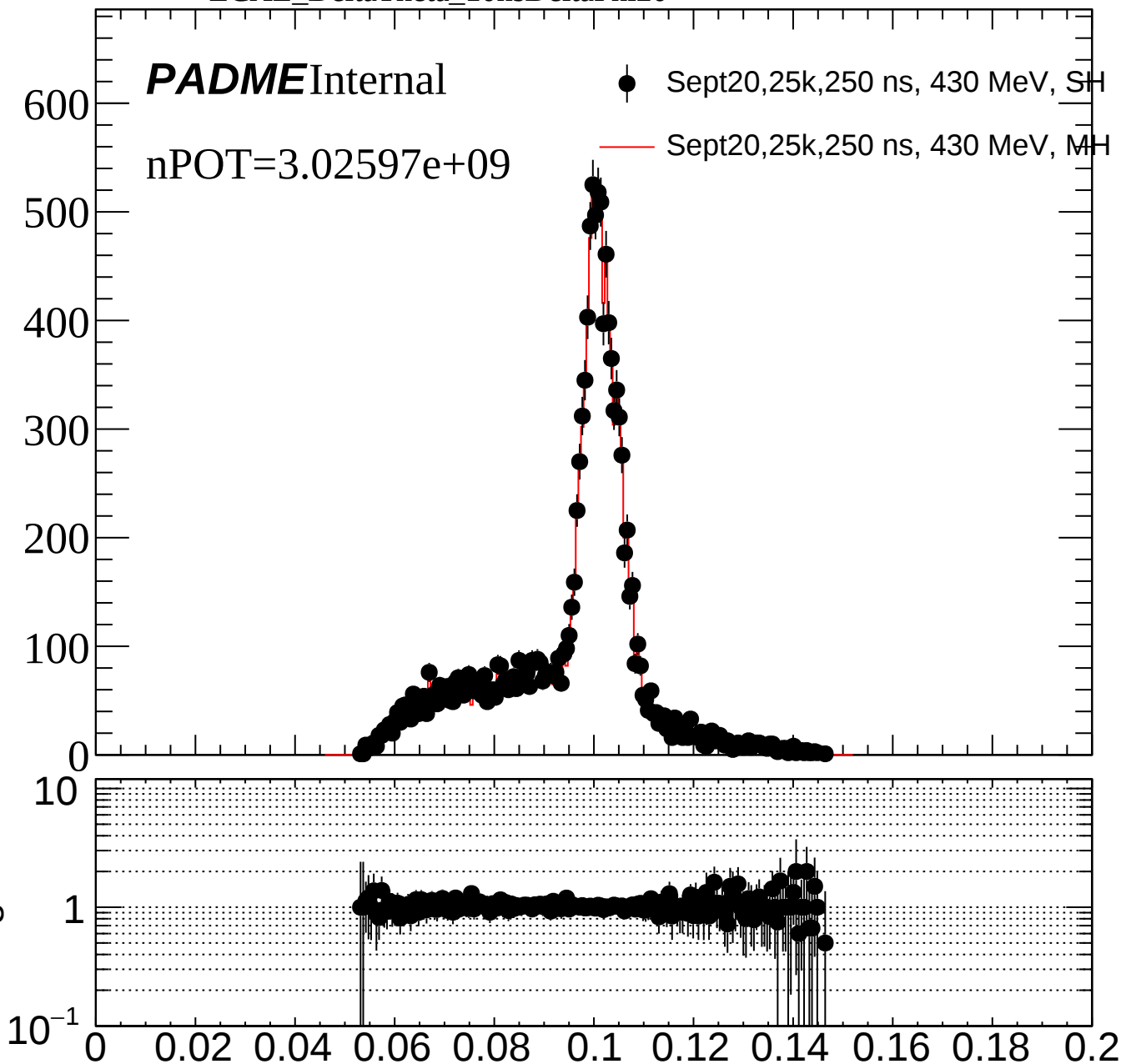
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

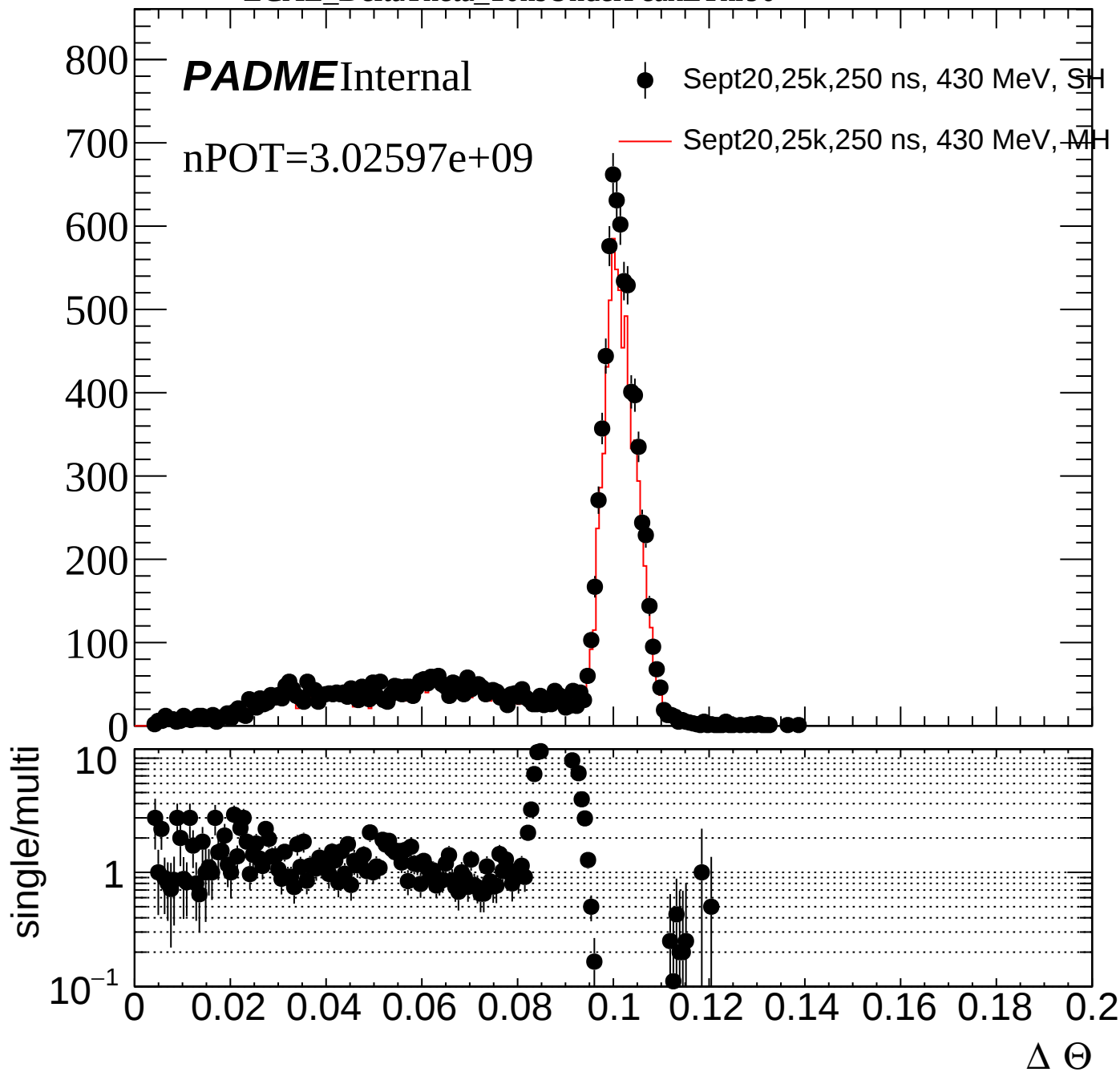
— Sept20,25k,250 ns, 430 MeV, MH

single/multi

$\Delta \Theta$



ECAL_DeltaTheta_10nsUnderPeakEThr90



ECAL_Phi_10ns

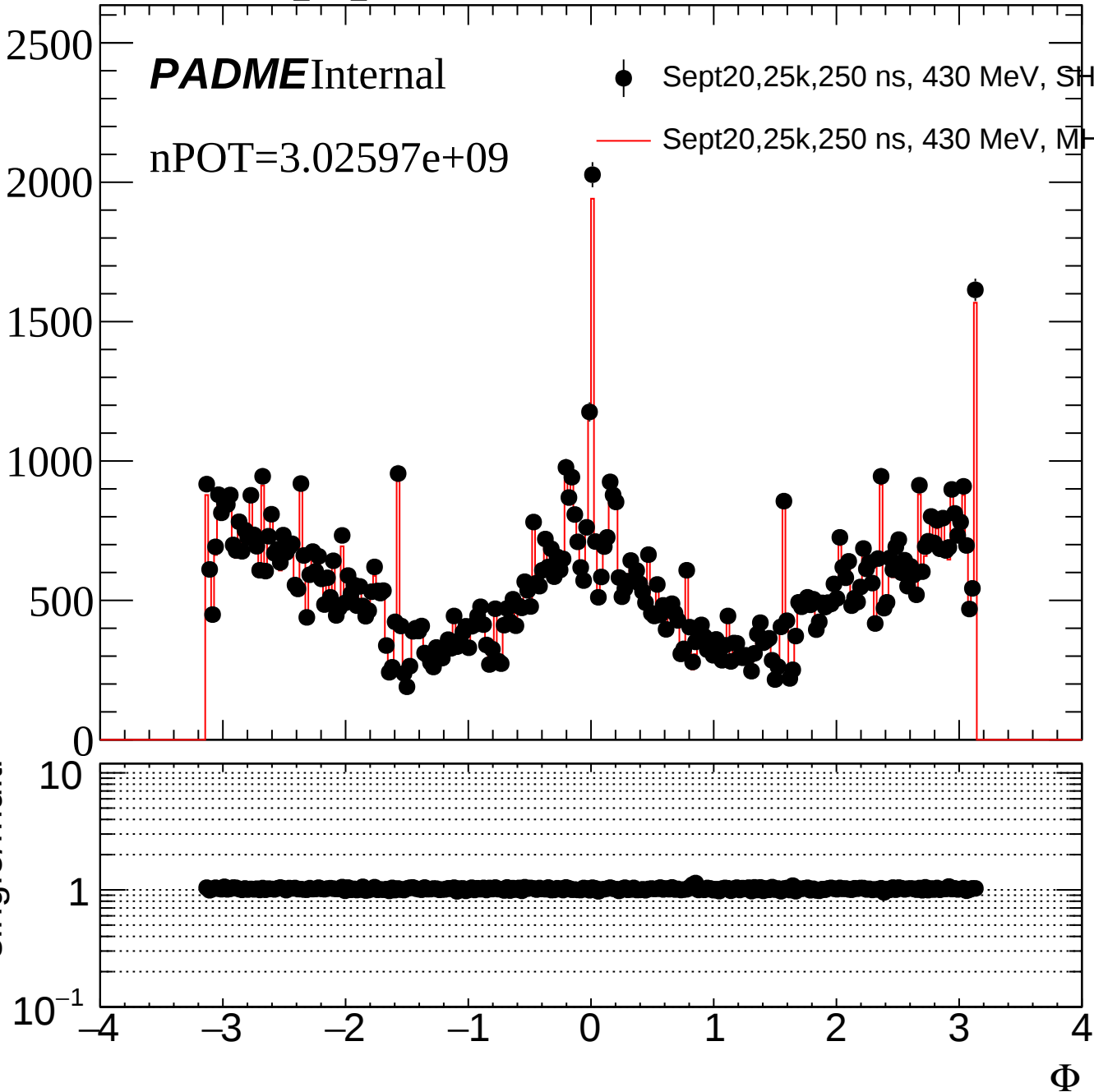
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_Phi_10nsUnderPeakEThr90

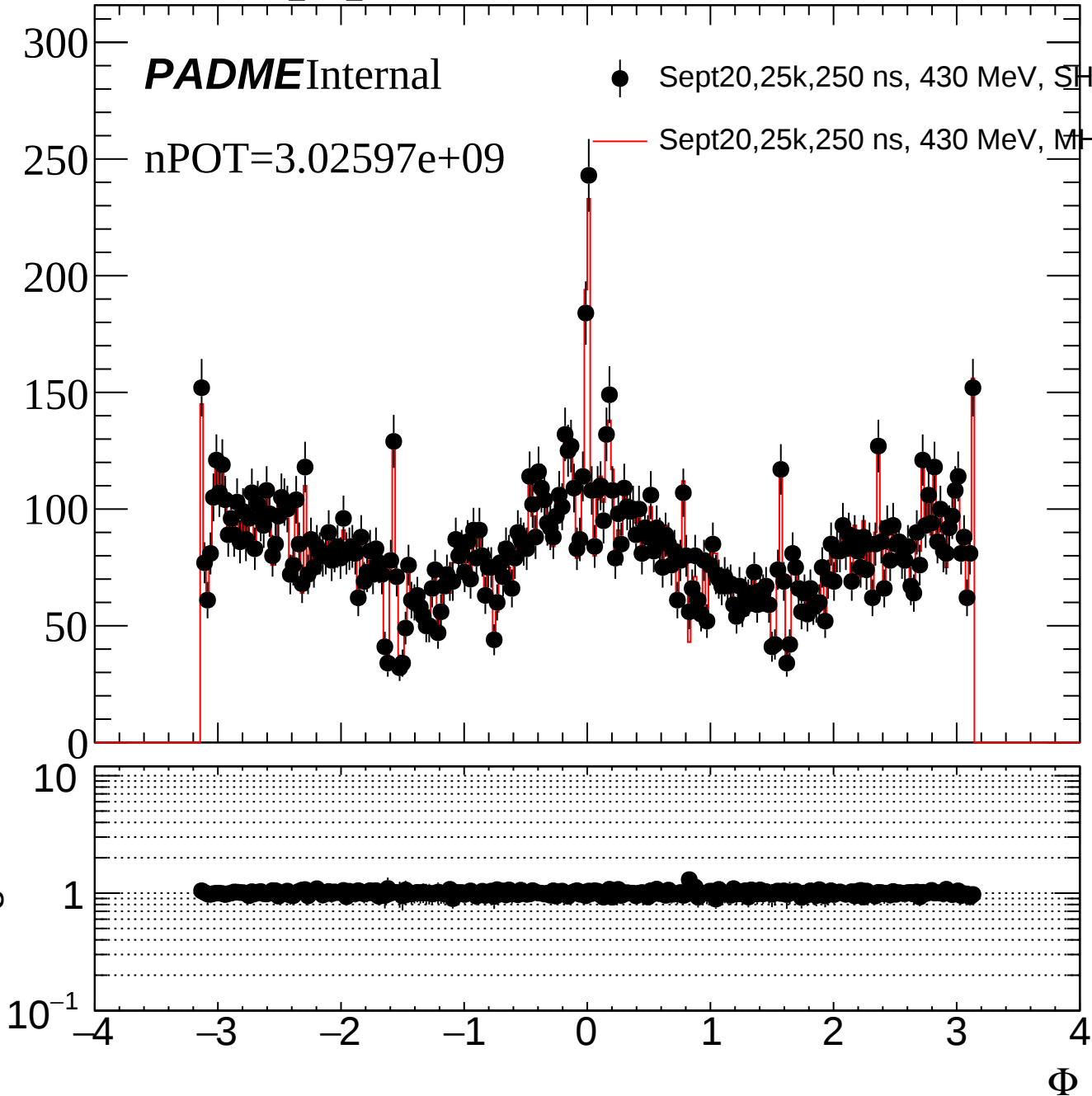
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



ECAL_PhiG1_10nsUnderPeakEThr90

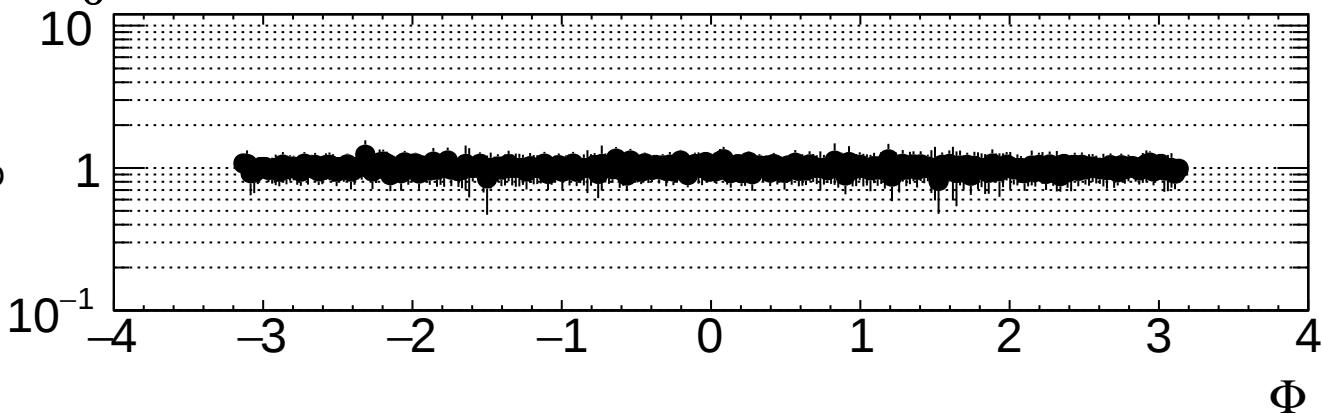
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



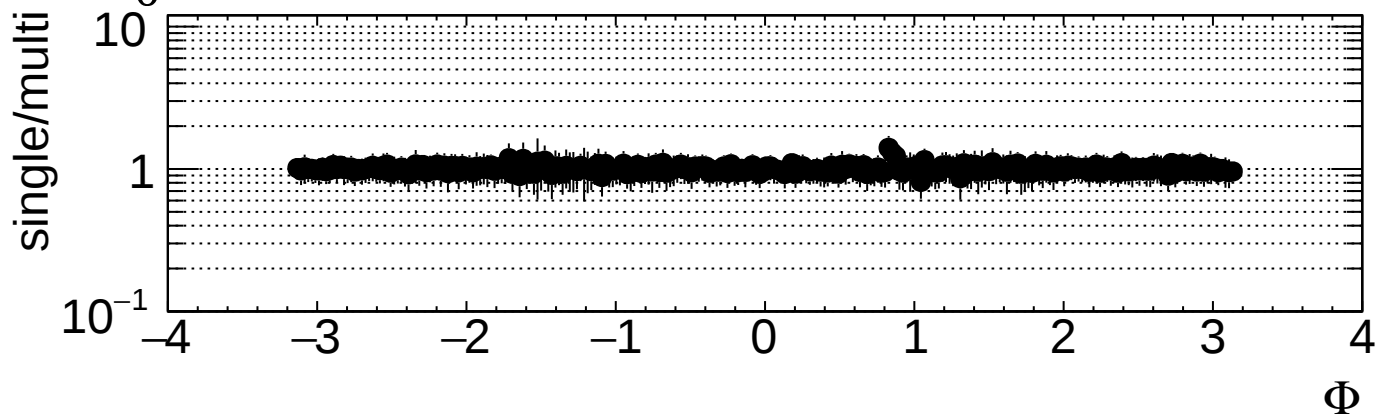
ECAL_PhiG2_10nsUnderPeakEThr90

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



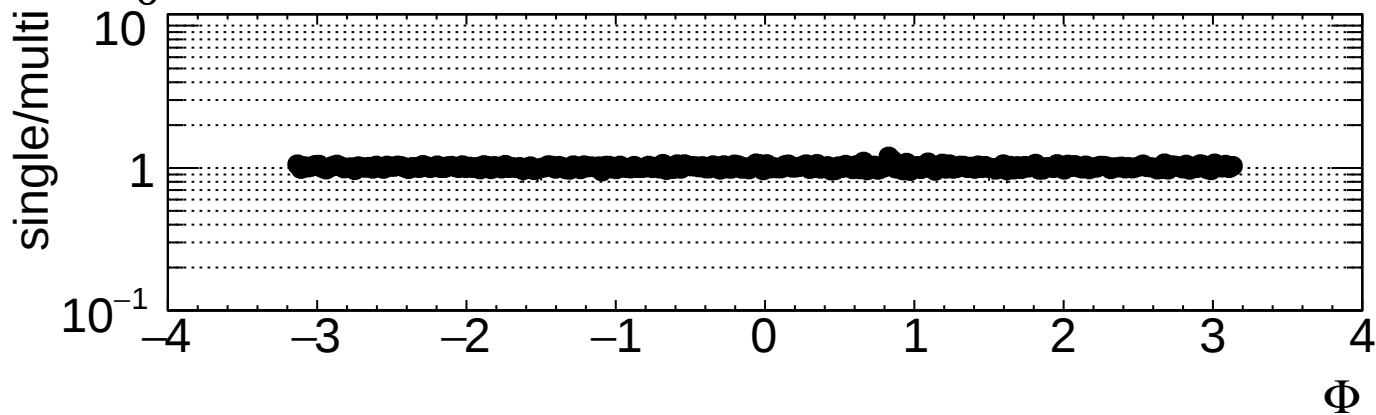
ECAL_Phi_10nsDeltaTheta

PADMEInternal

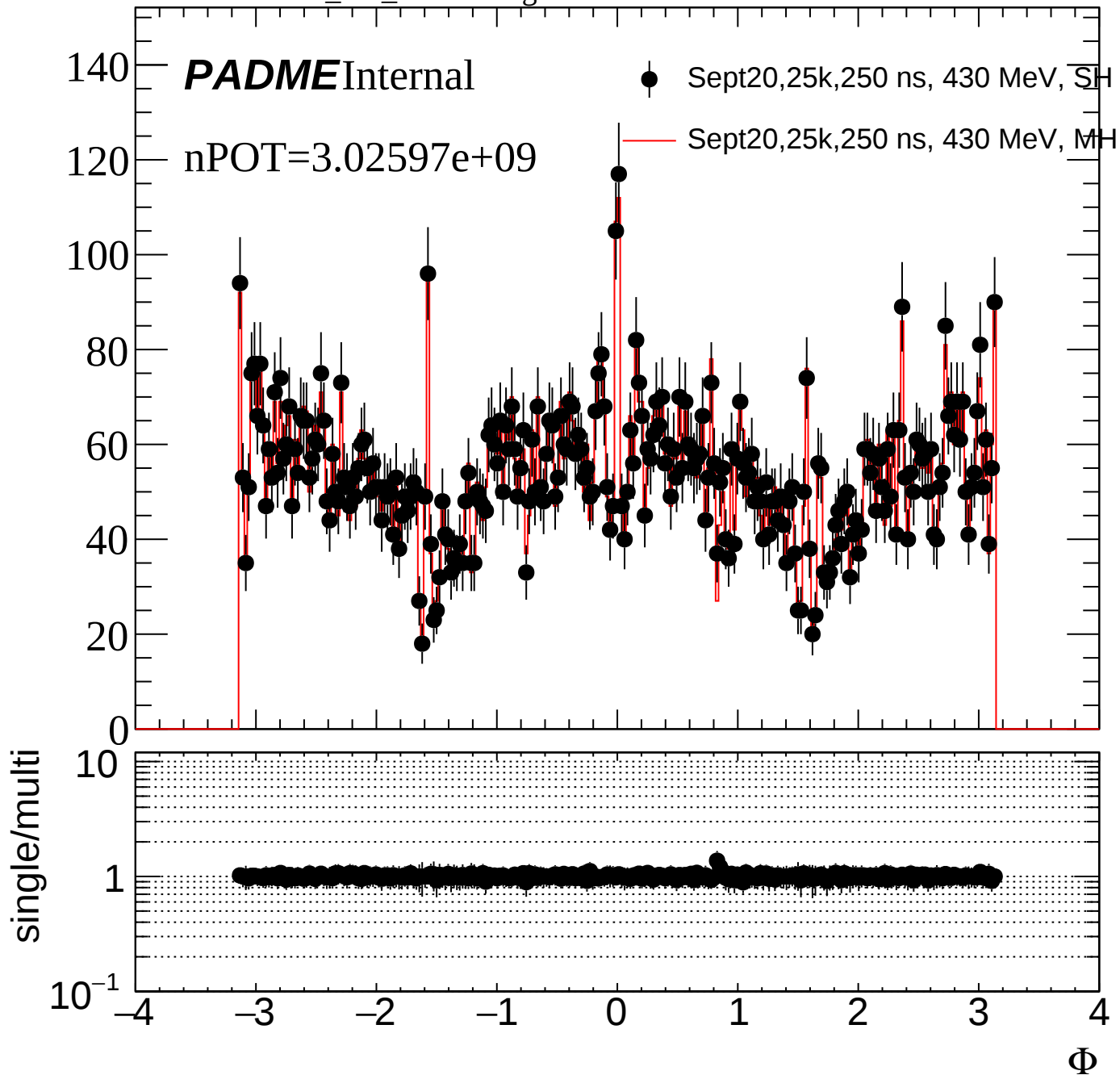
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90



ECAL_DeltaPhi_10ns

PADMEInternal

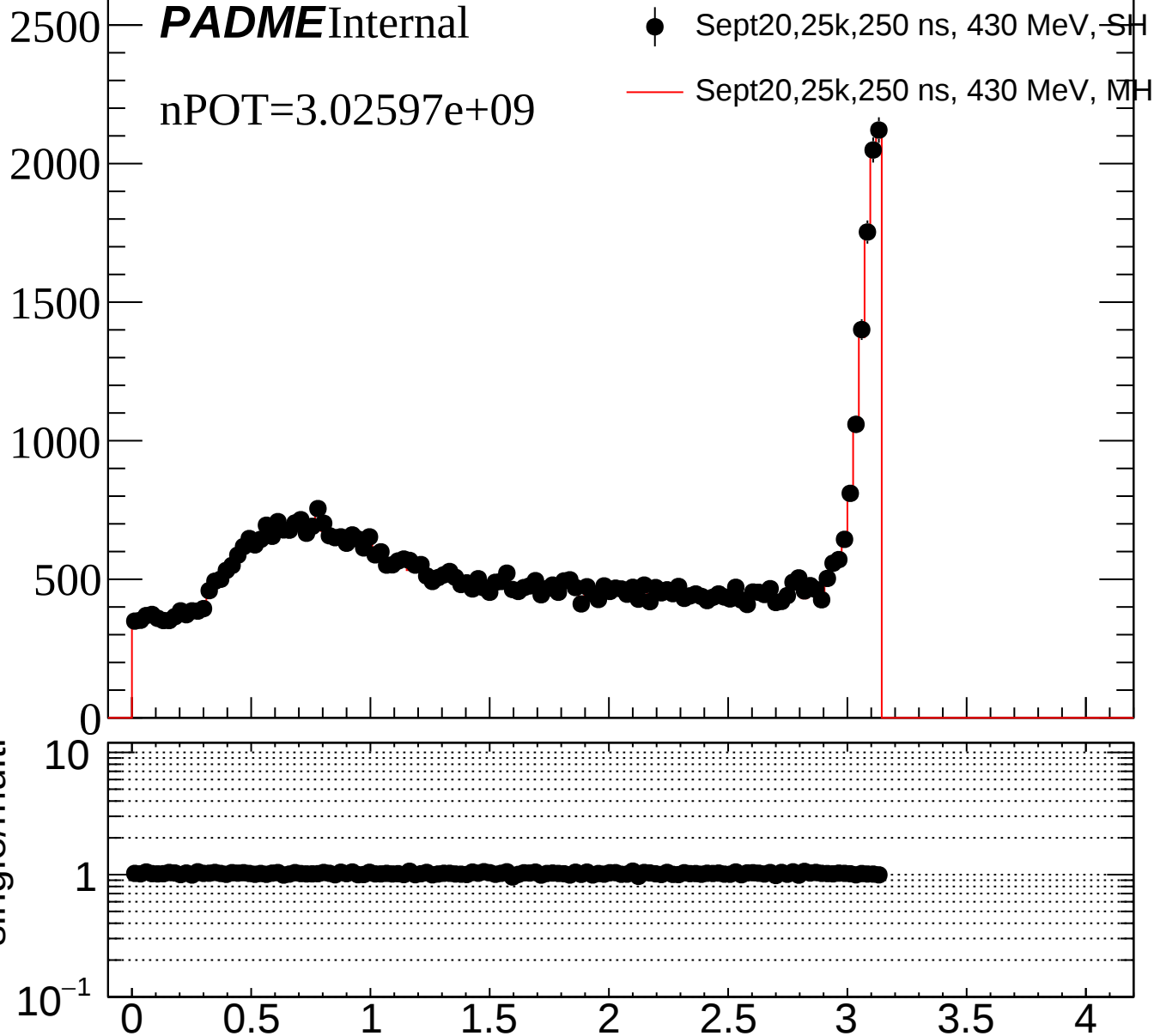
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

$\Delta \Phi$



ECAL_DeltaPhi_10nsDeltaTheta

PADMEInternal

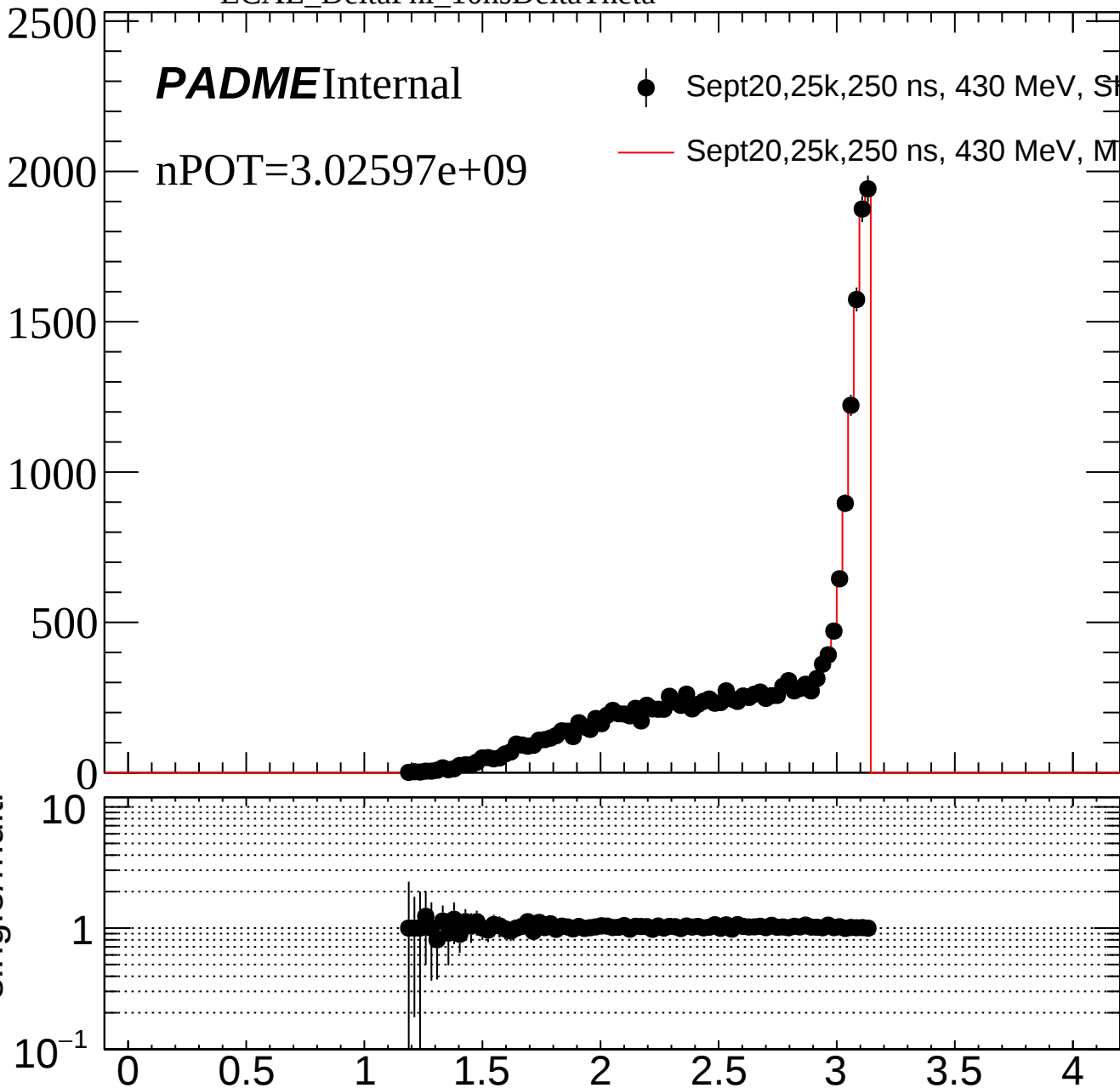
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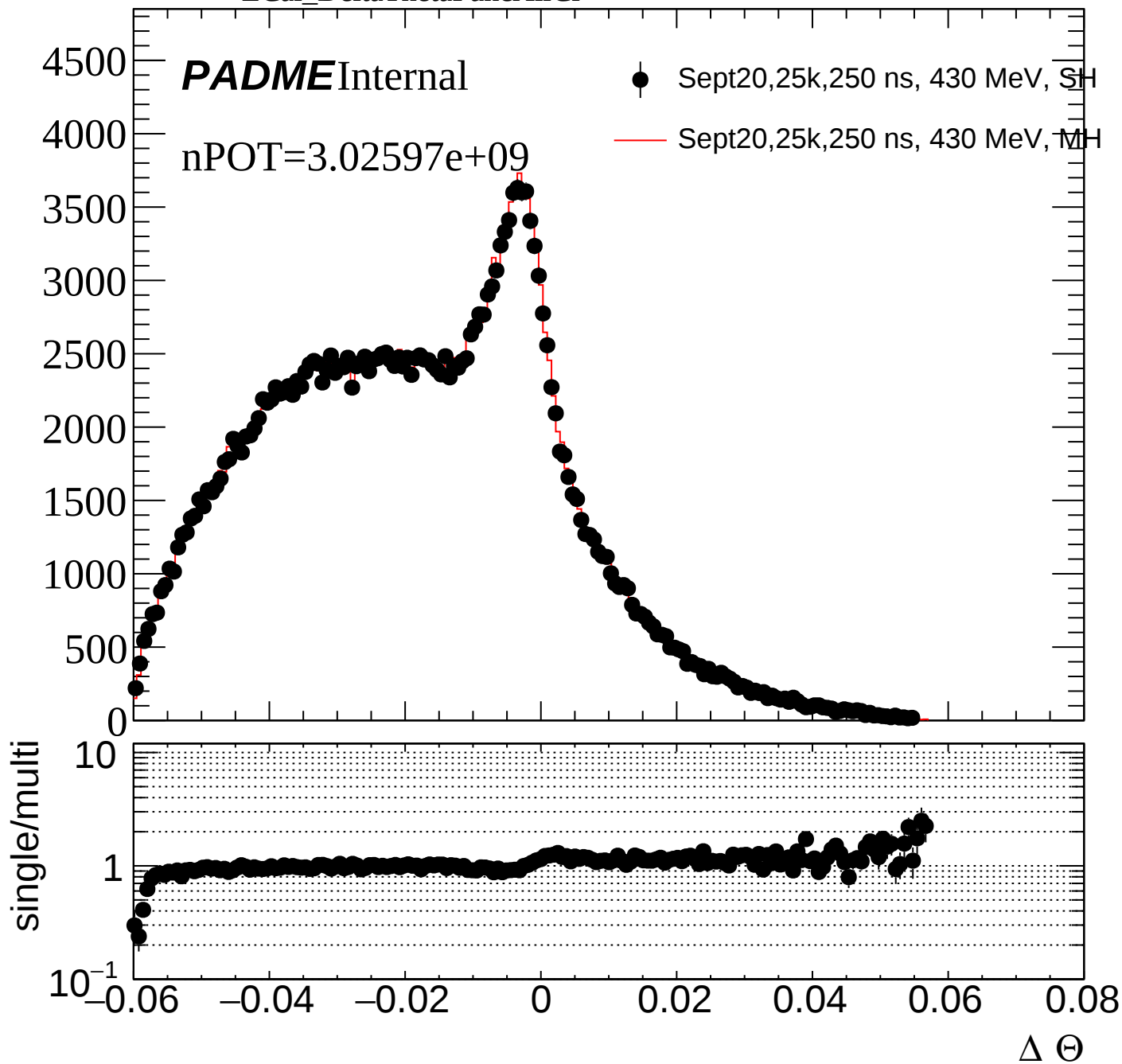
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

$\Delta \Phi$



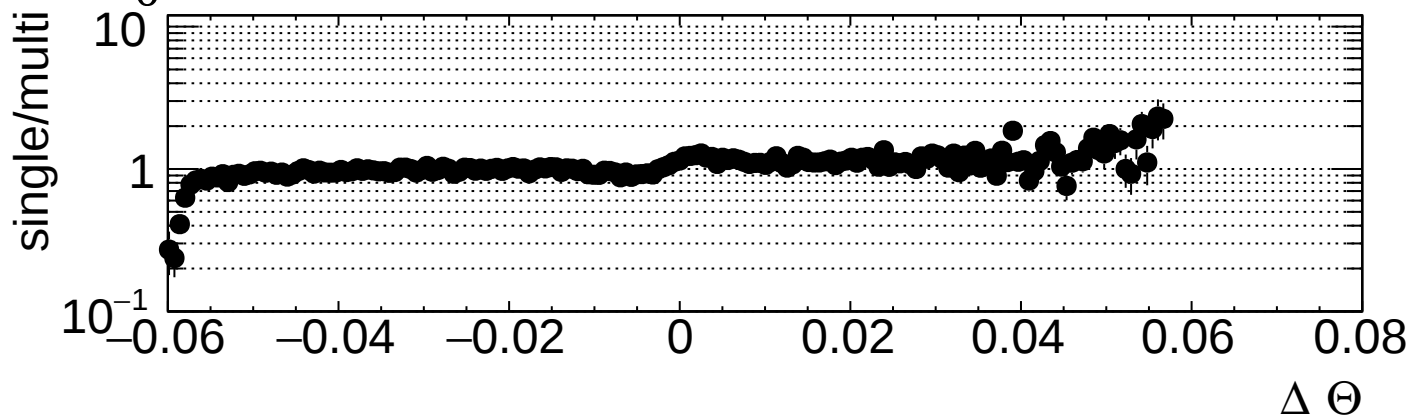


PADME Internal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

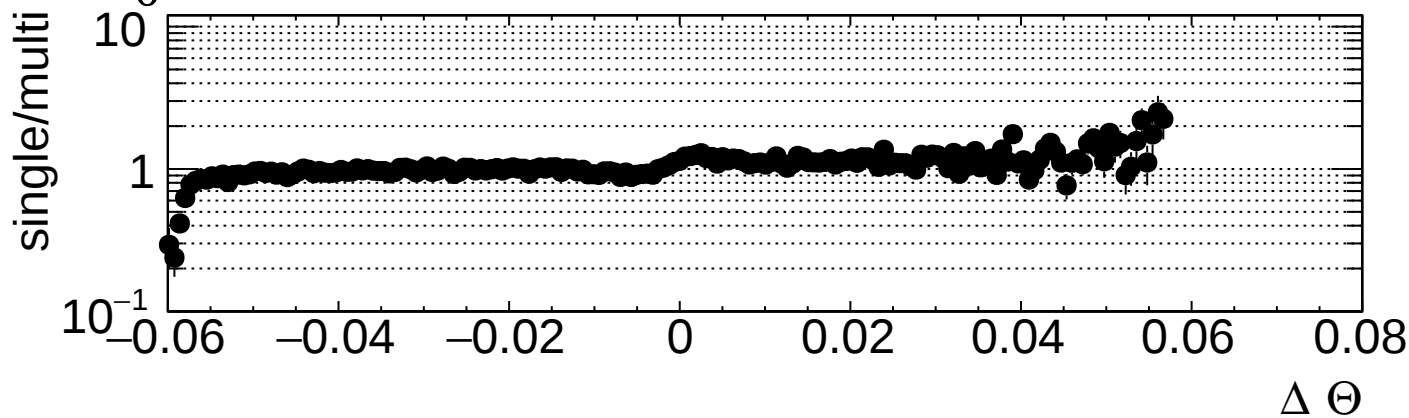


PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



PADMEInternal

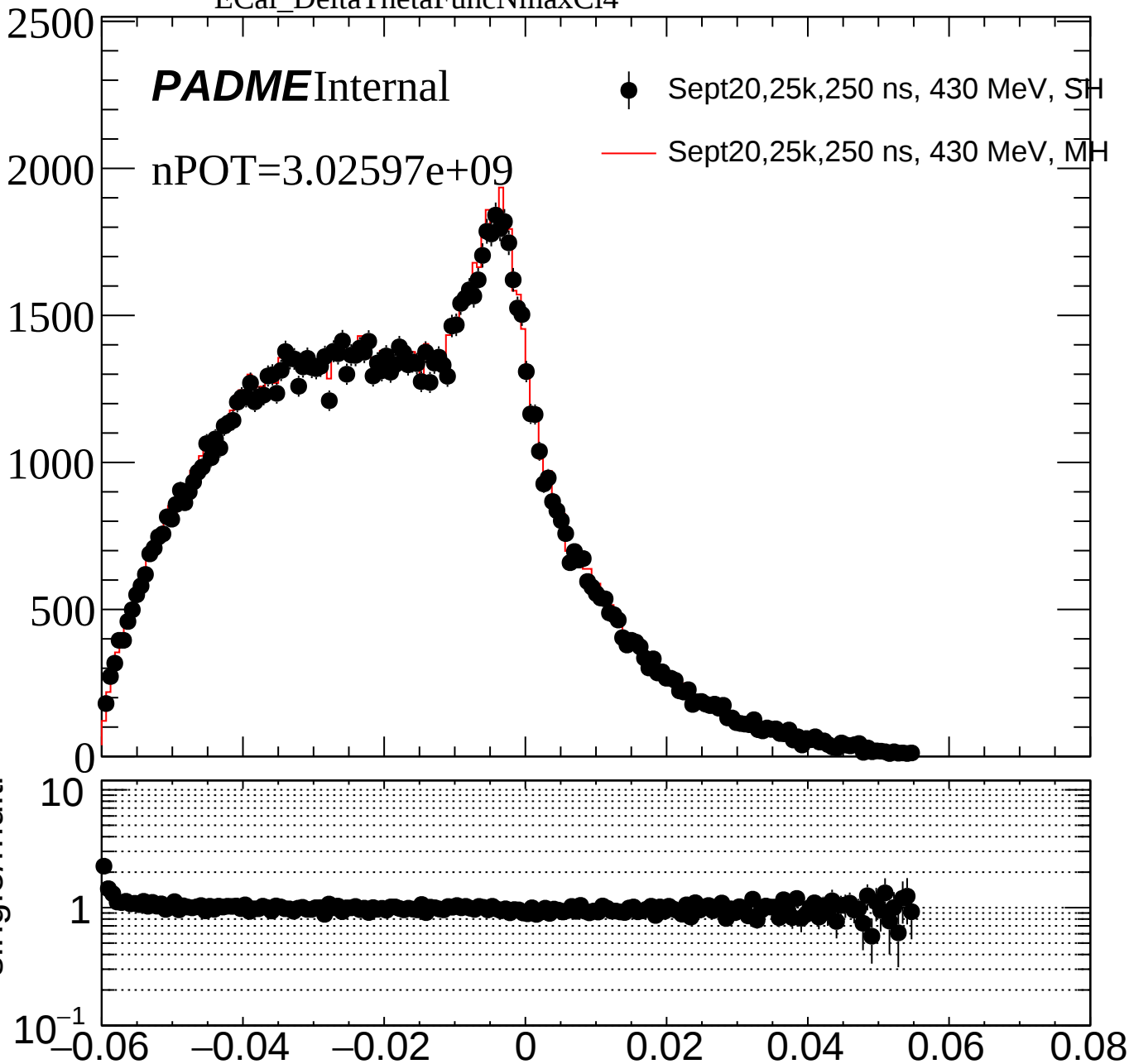
nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

$\Delta \Theta$

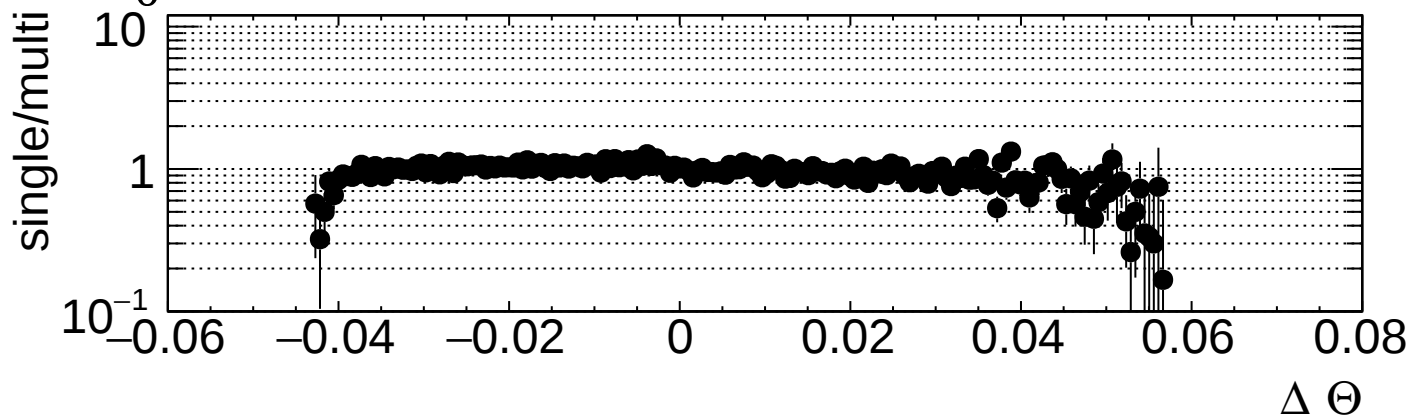


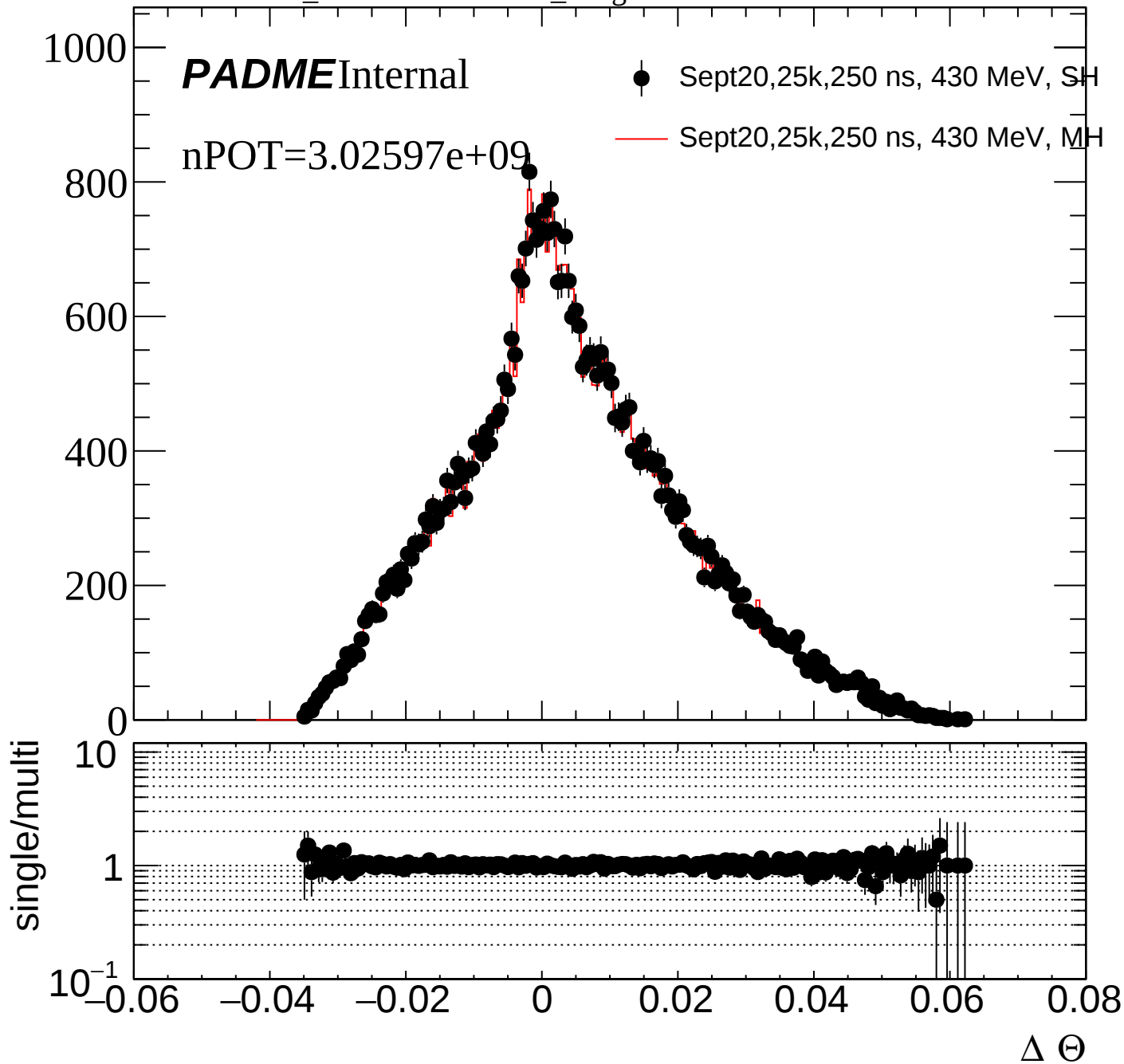
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH





PADMEInternal

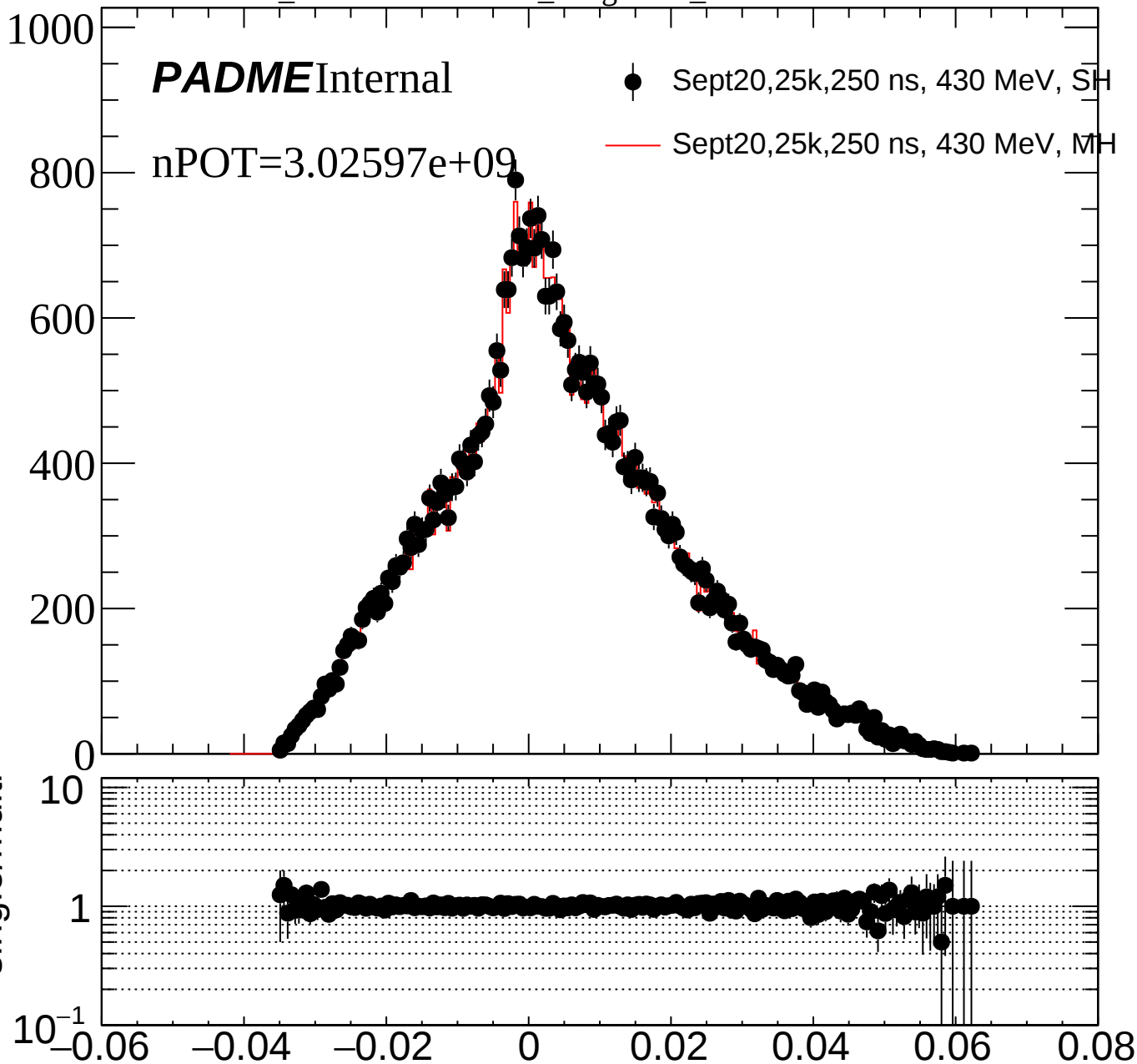
nPOT=3.02597e+09

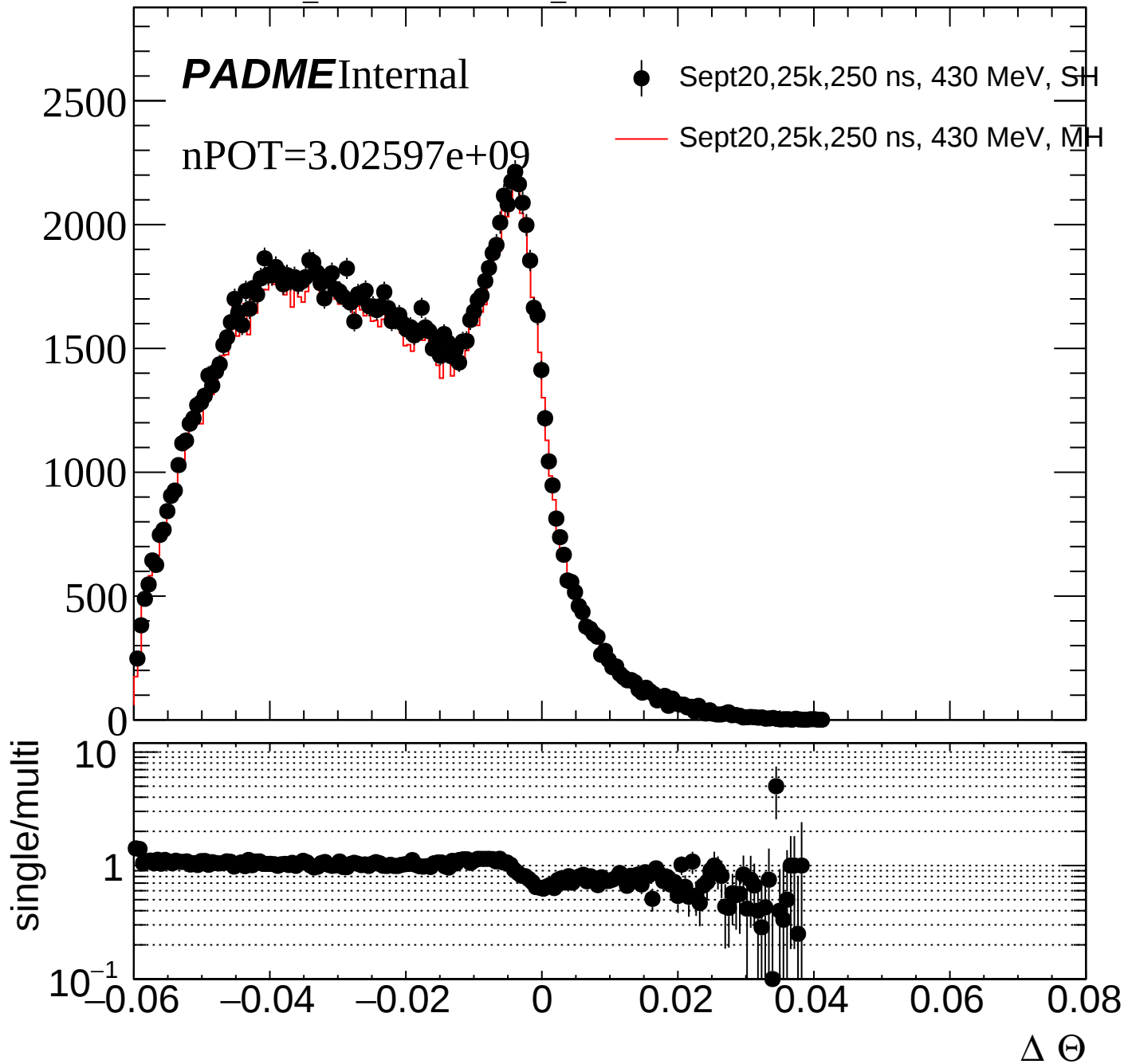
● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

$\Delta \Theta$



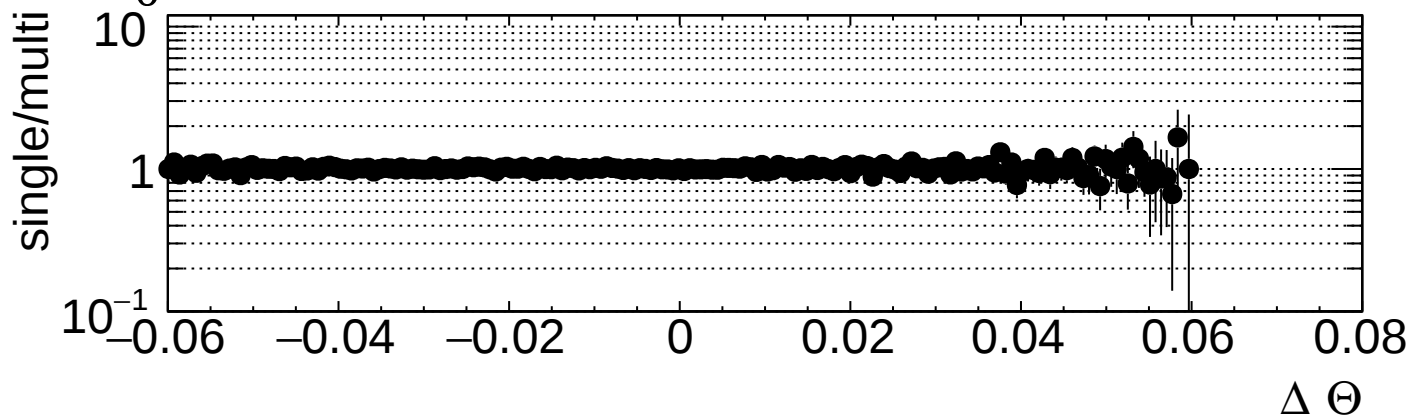


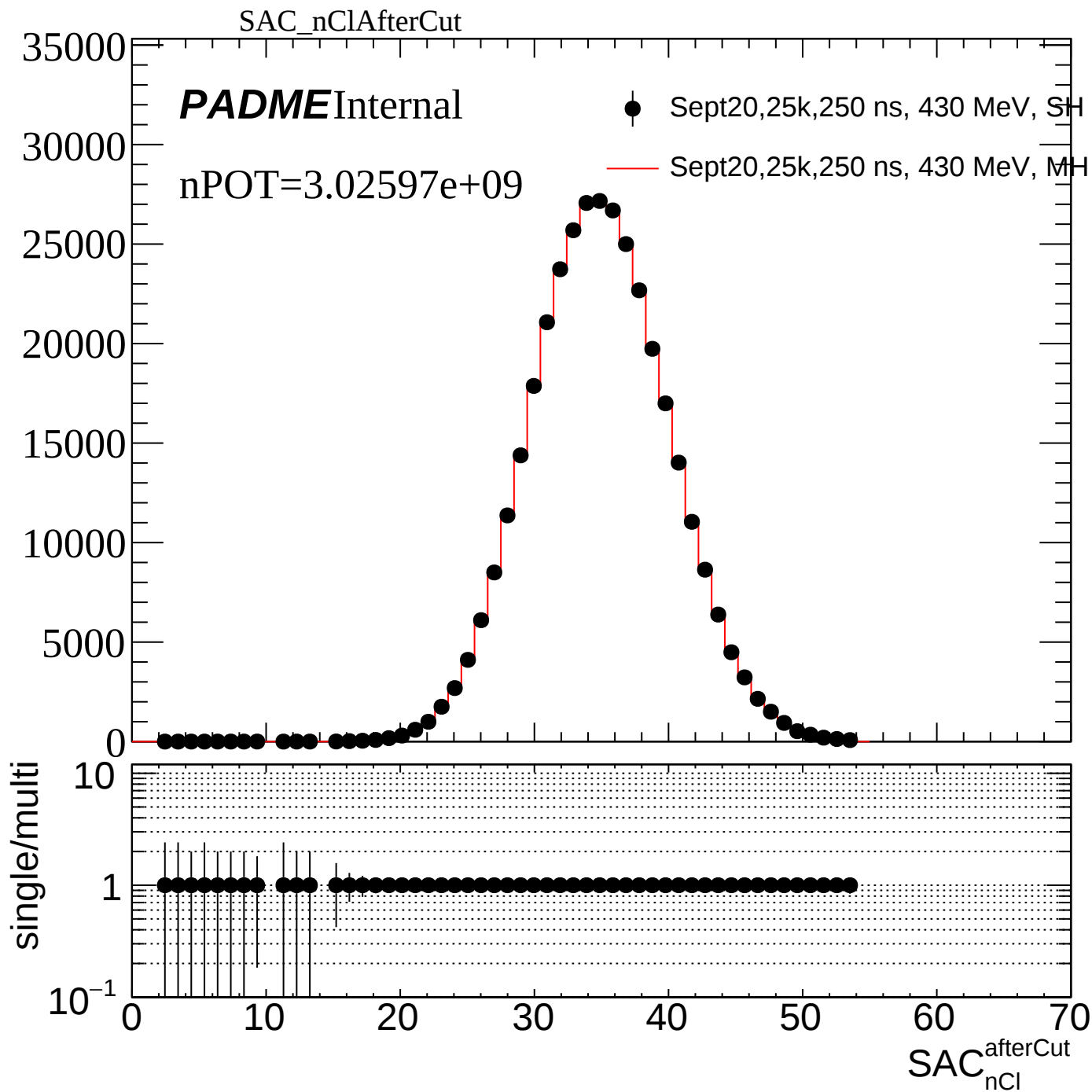
PADME Internal

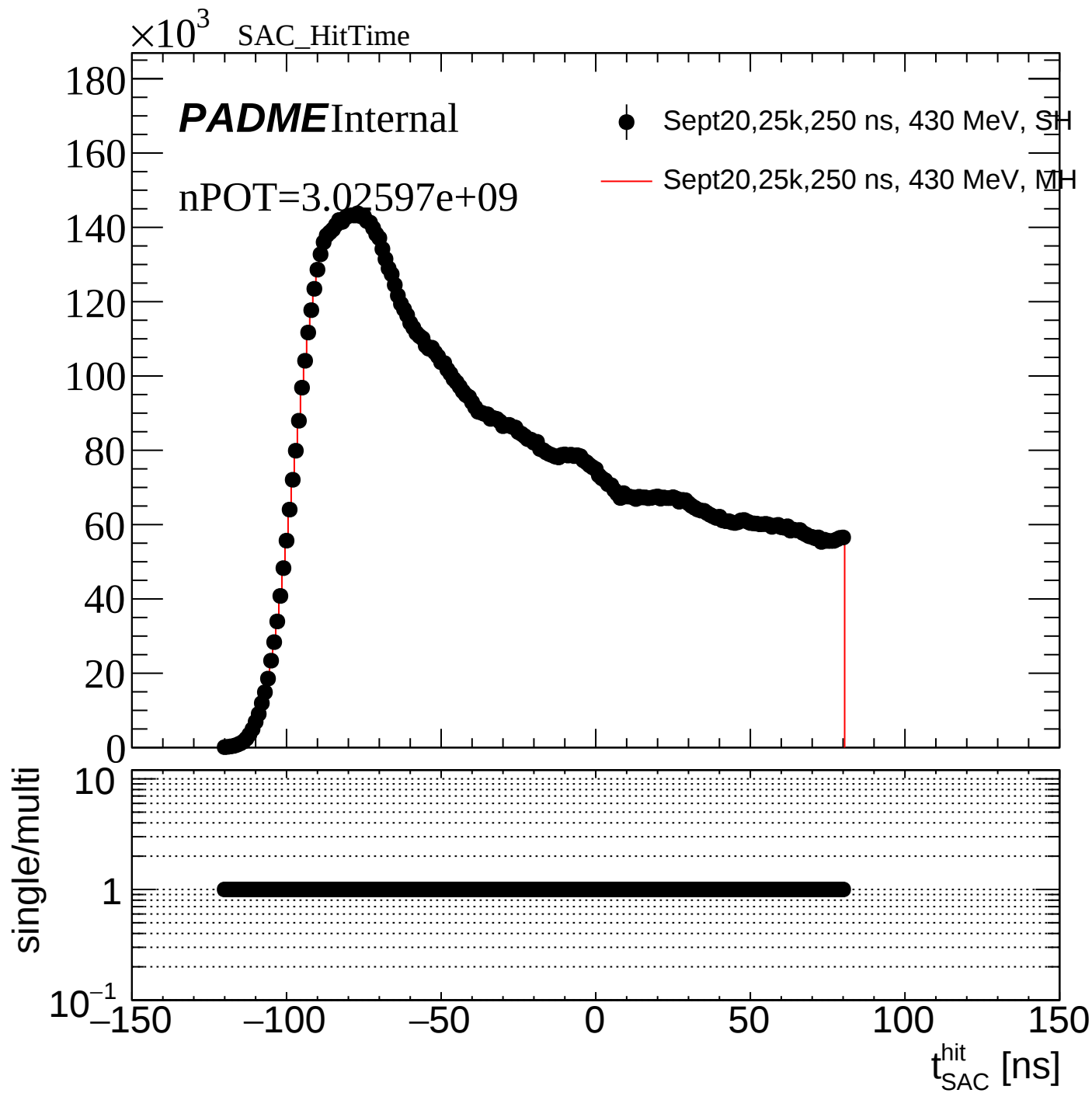
nPOT=3.02597e+09

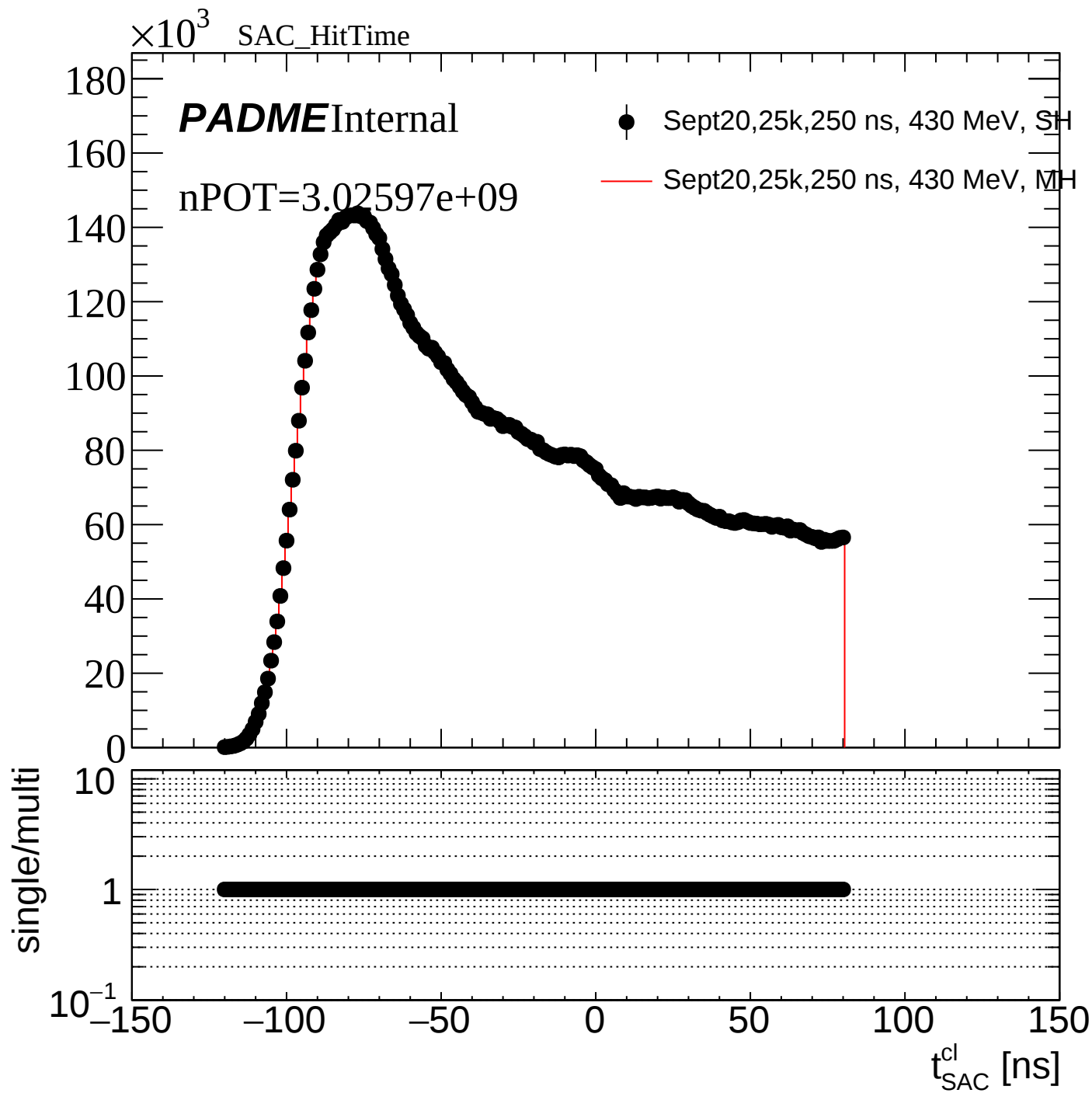
● Sept20,25k,250 ns, 430 MeV, SH

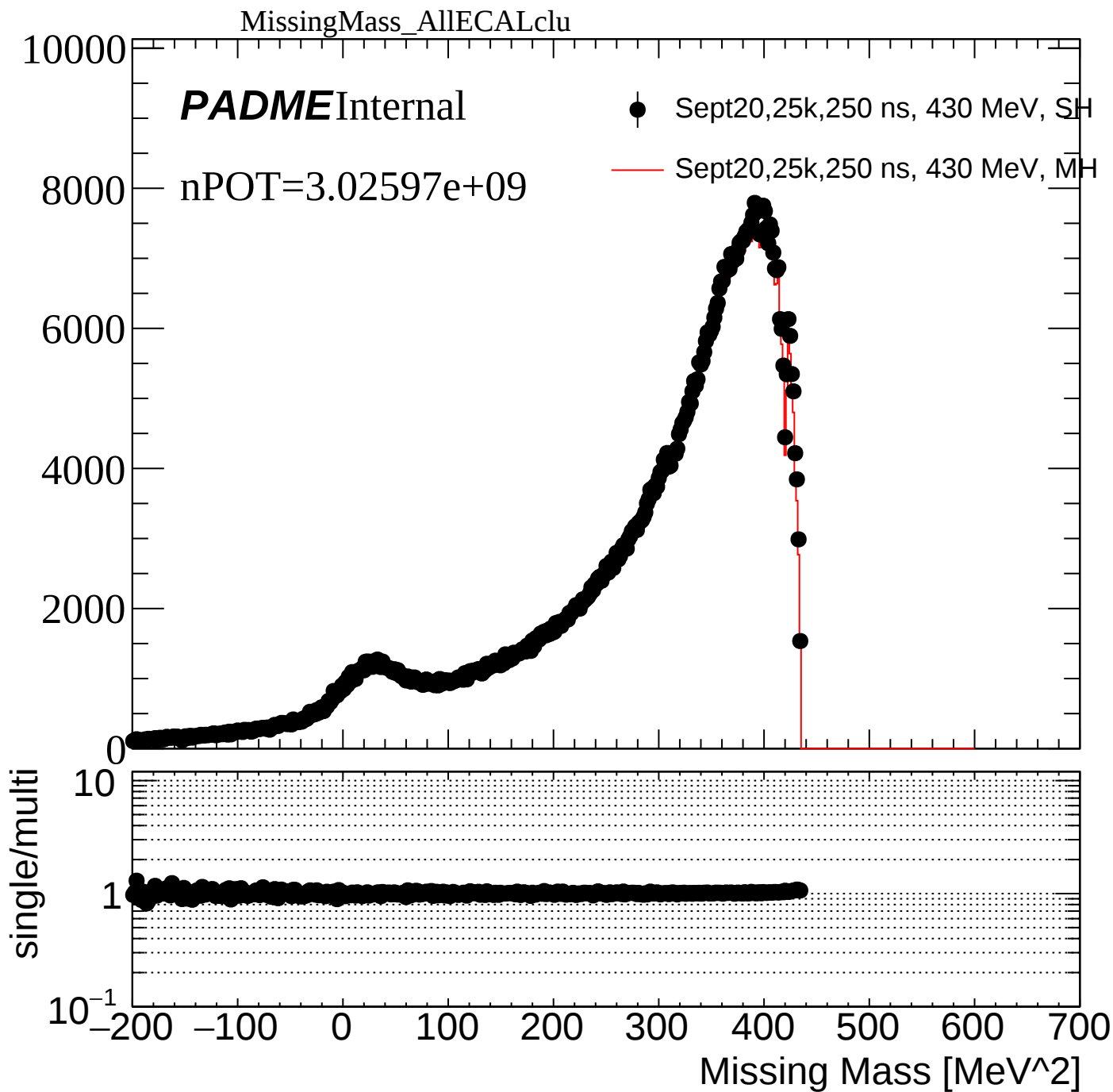
— Sept20,25k,250 ns, 430 MeV, MH











MissingMass_AllECALclu_ThrEne50MeV

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

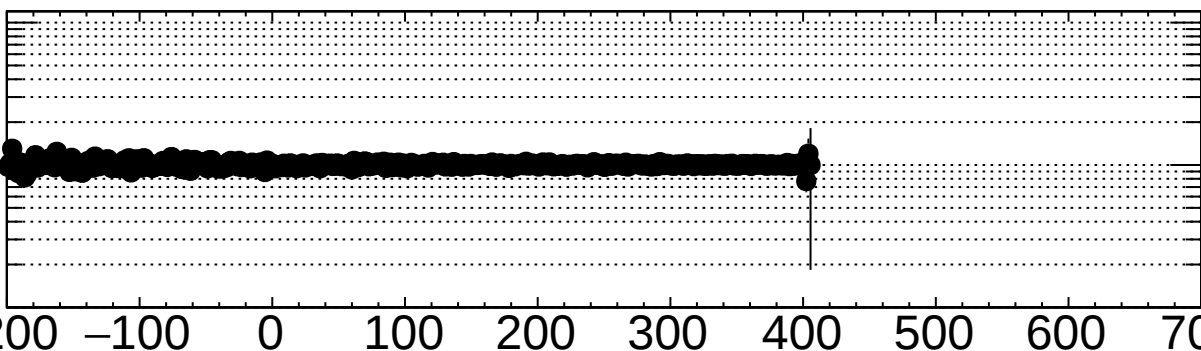
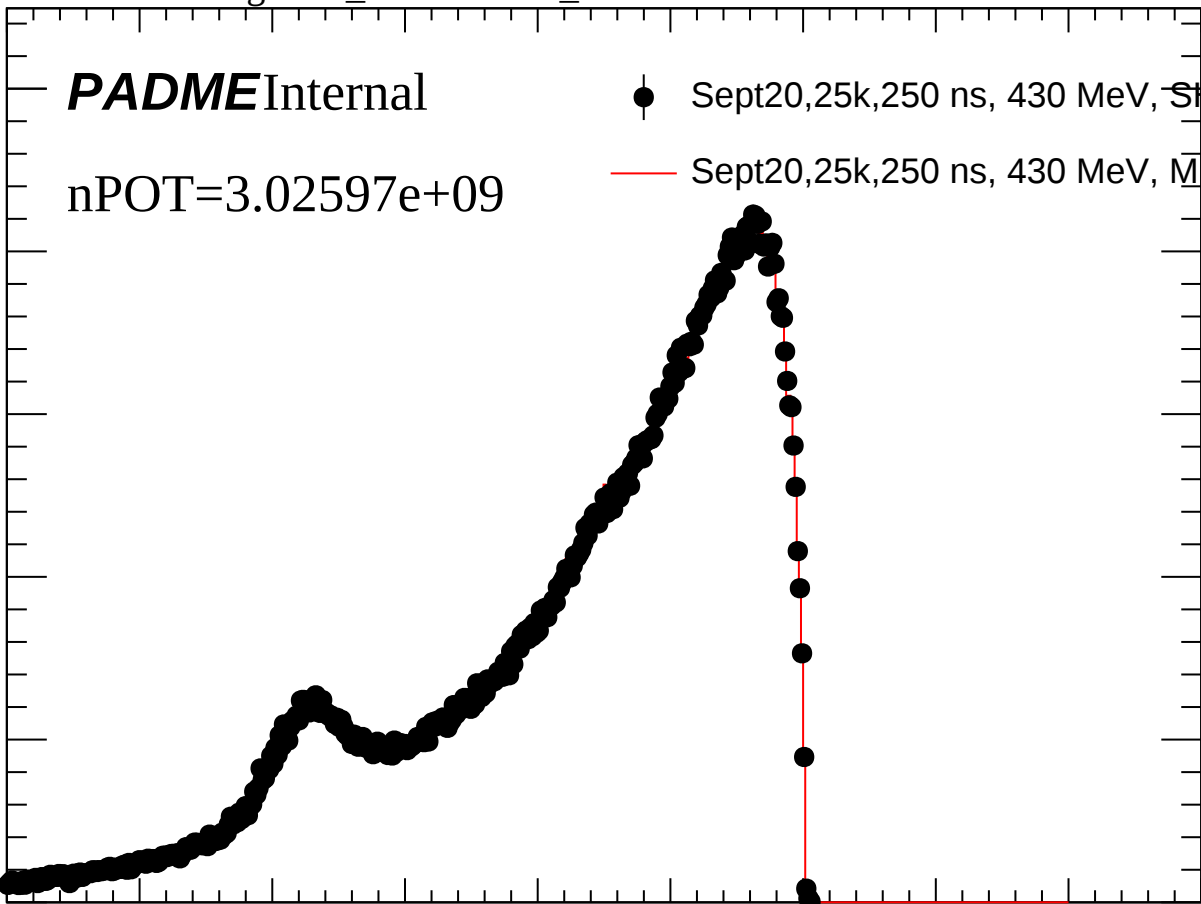
5000
4000
3000
2000
1000
0

10

1

10⁻¹

Missing Mass [MeV²]



MissingMass_NoClInTime20ns_ThrEne50MeV

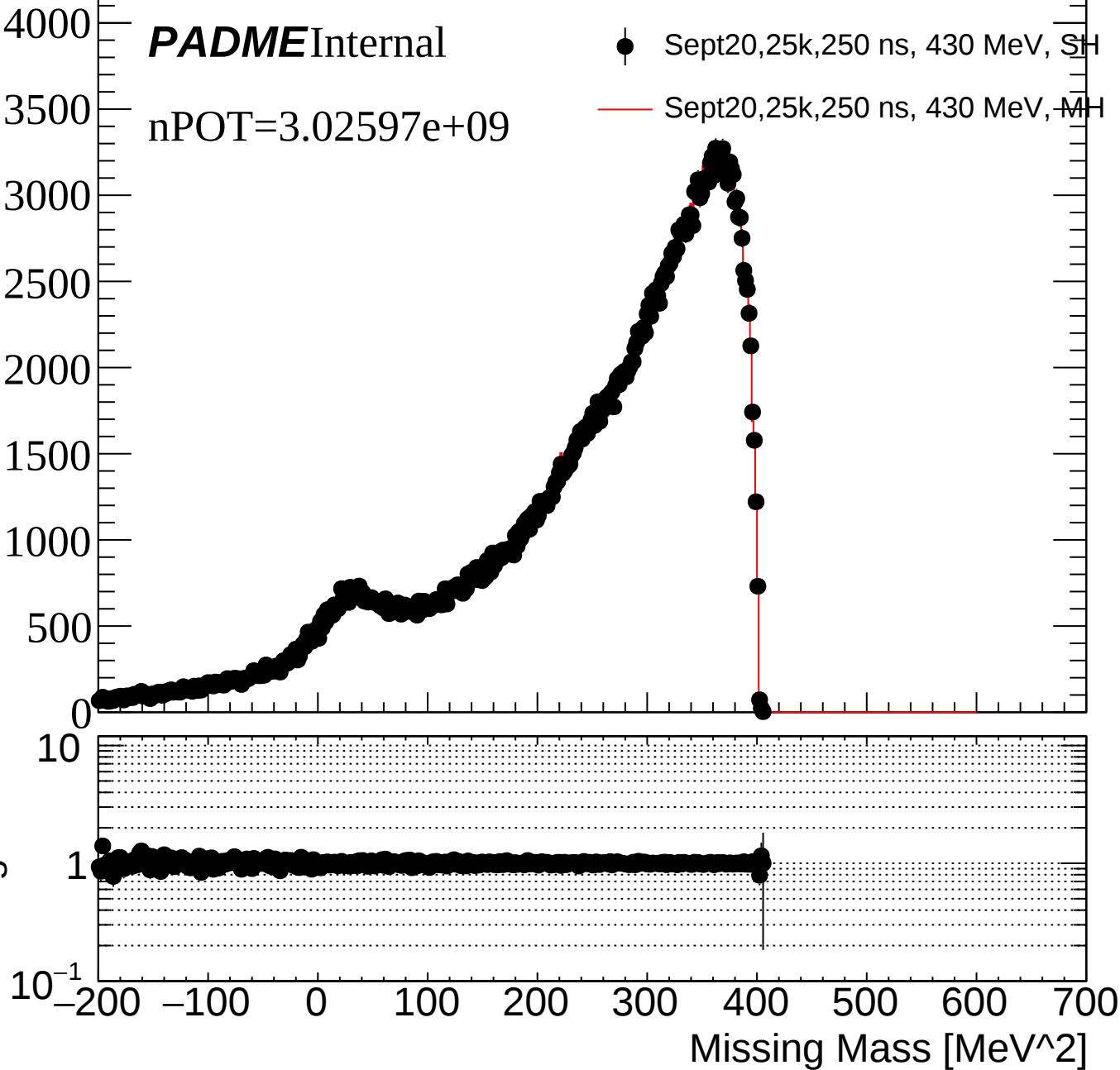
PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi



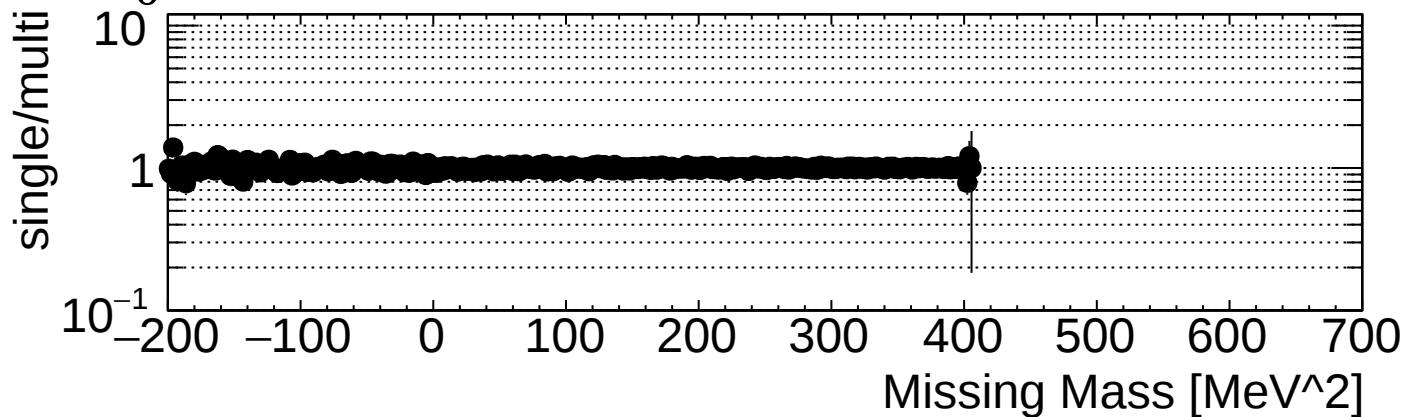
MissingMass_NoClInTime10ns_ThrEne50MeV

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH



MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto

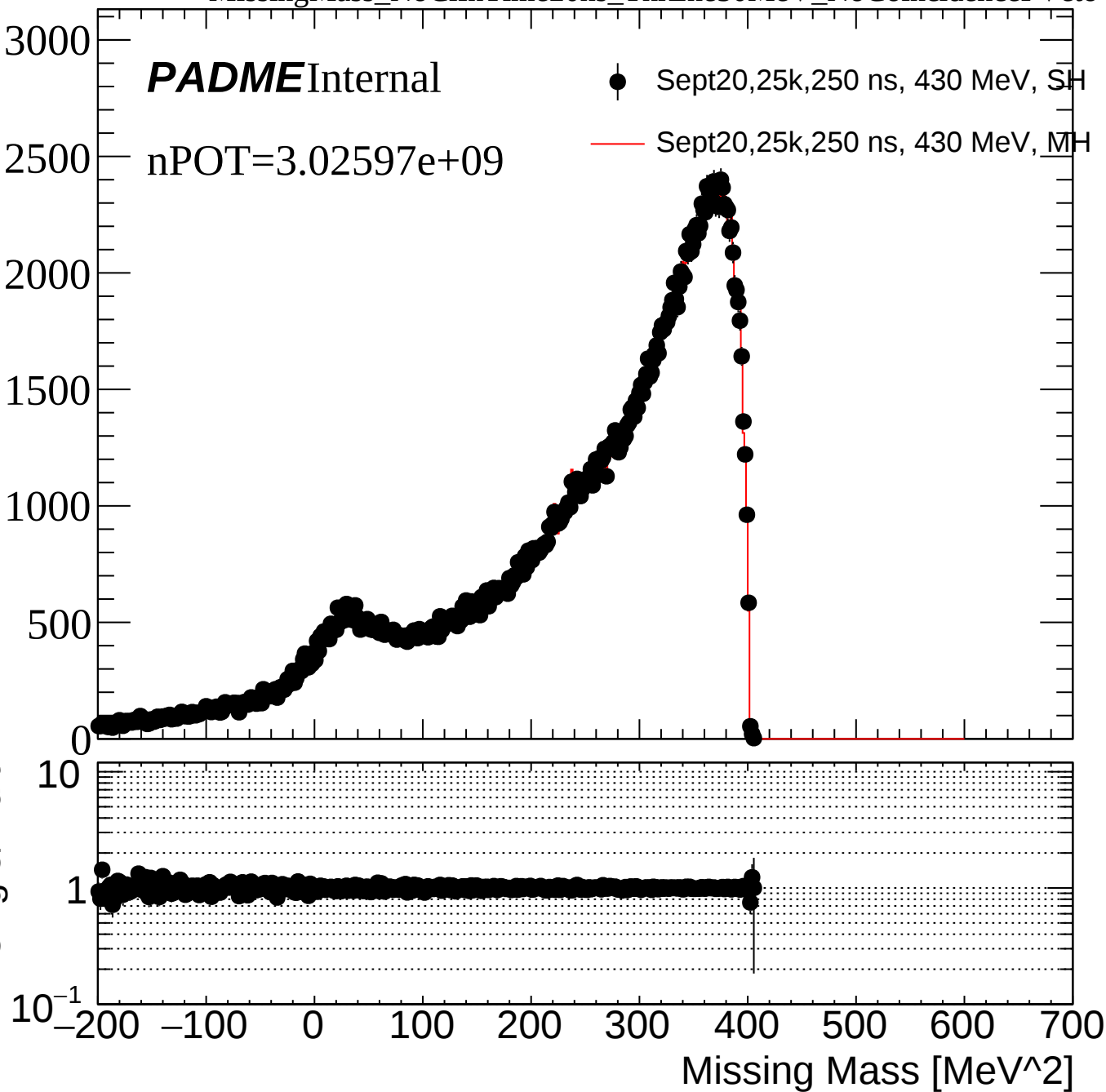
PADMEInternal

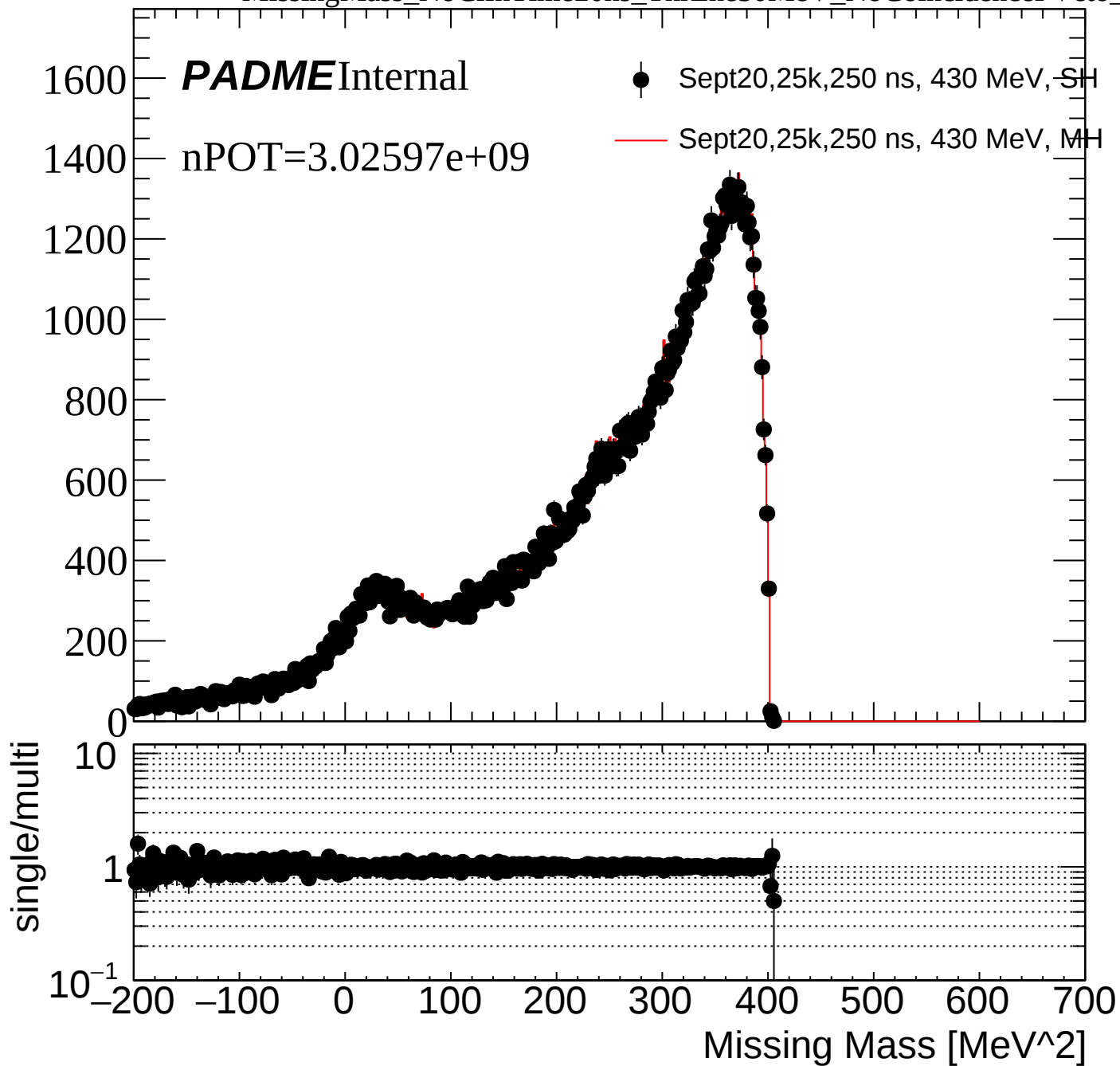
nPOT=3.02597e+09

Sept20,25k,250 ns, 430 MeV, SH

Sept20,25k,250 ns, 430 MeV, MH

single/multi





MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto

PADMEInternal

nPOT=3.02597e+09

● Sept20,25k,250 ns, 430 MeV, SH

— Sept20,25k,250 ns, 430 MeV, MH

single/multi

