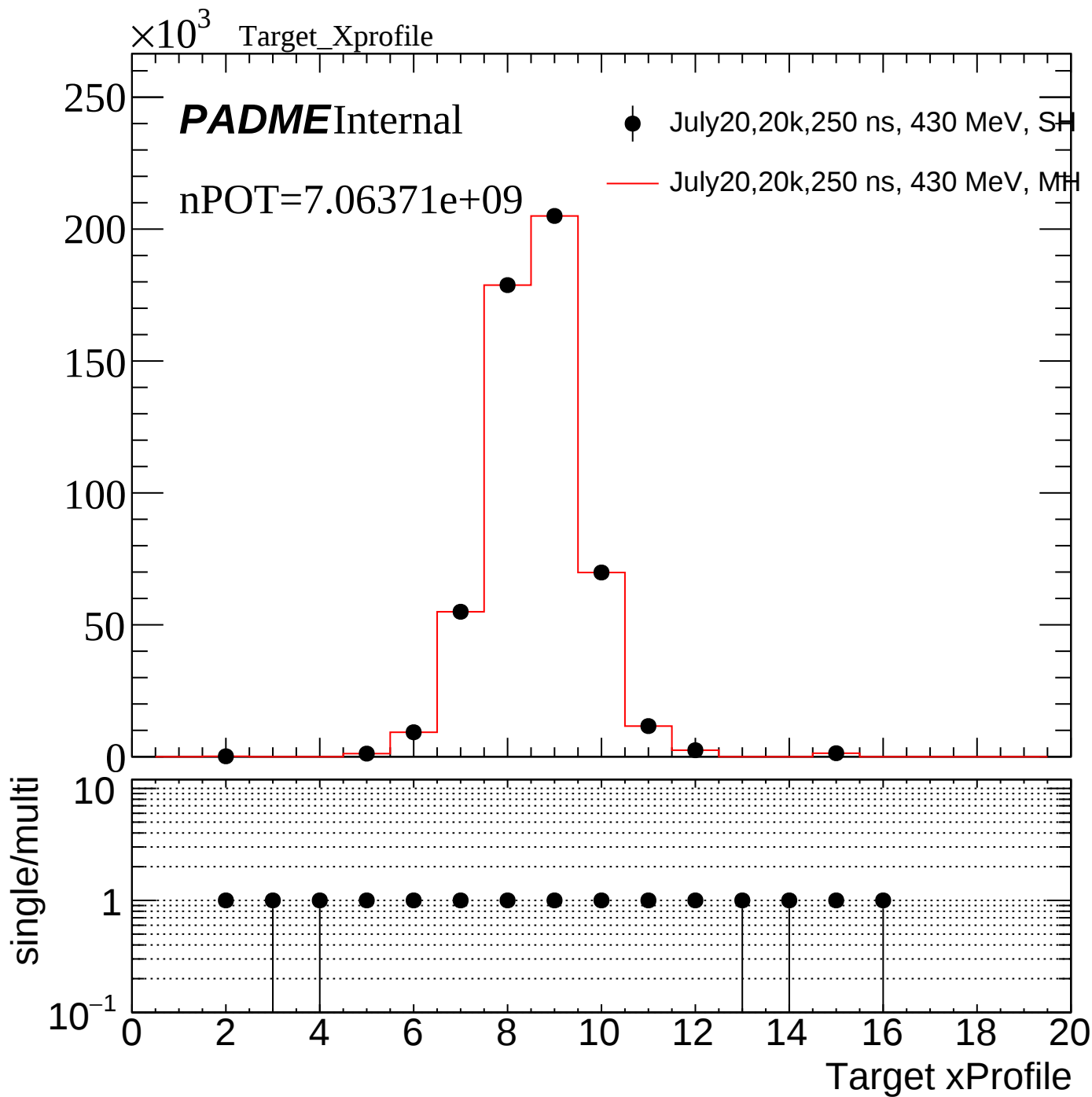
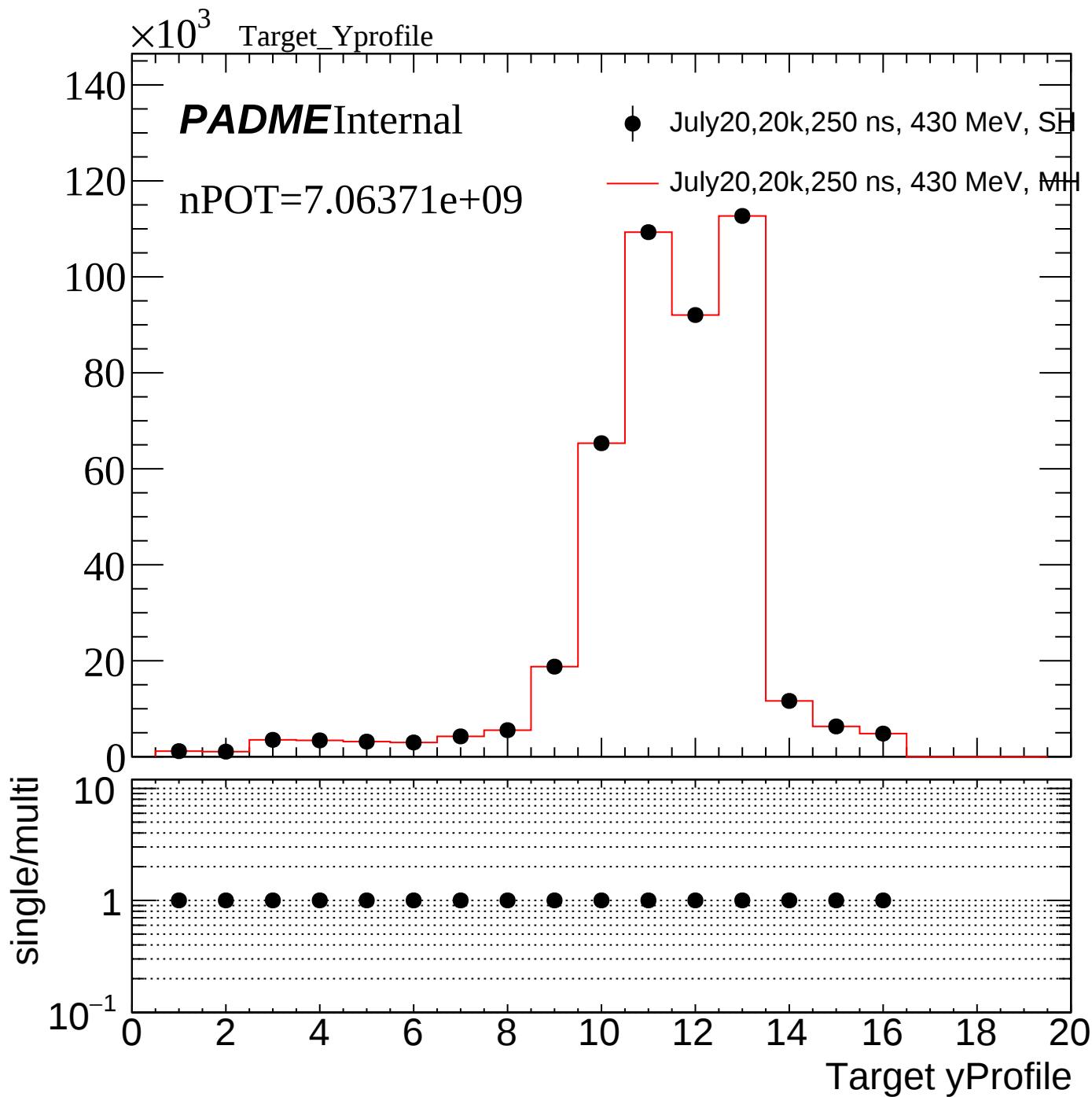
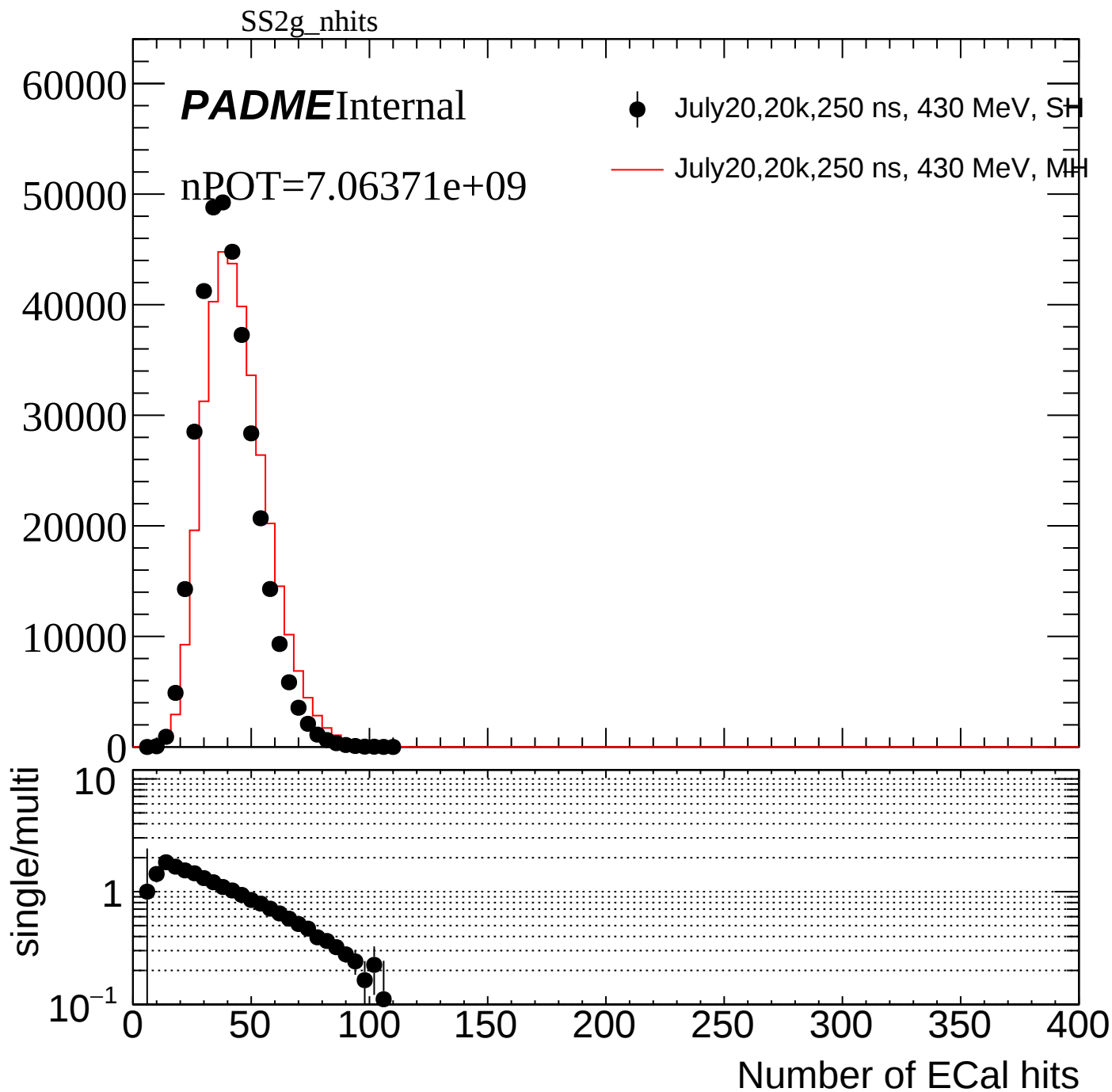
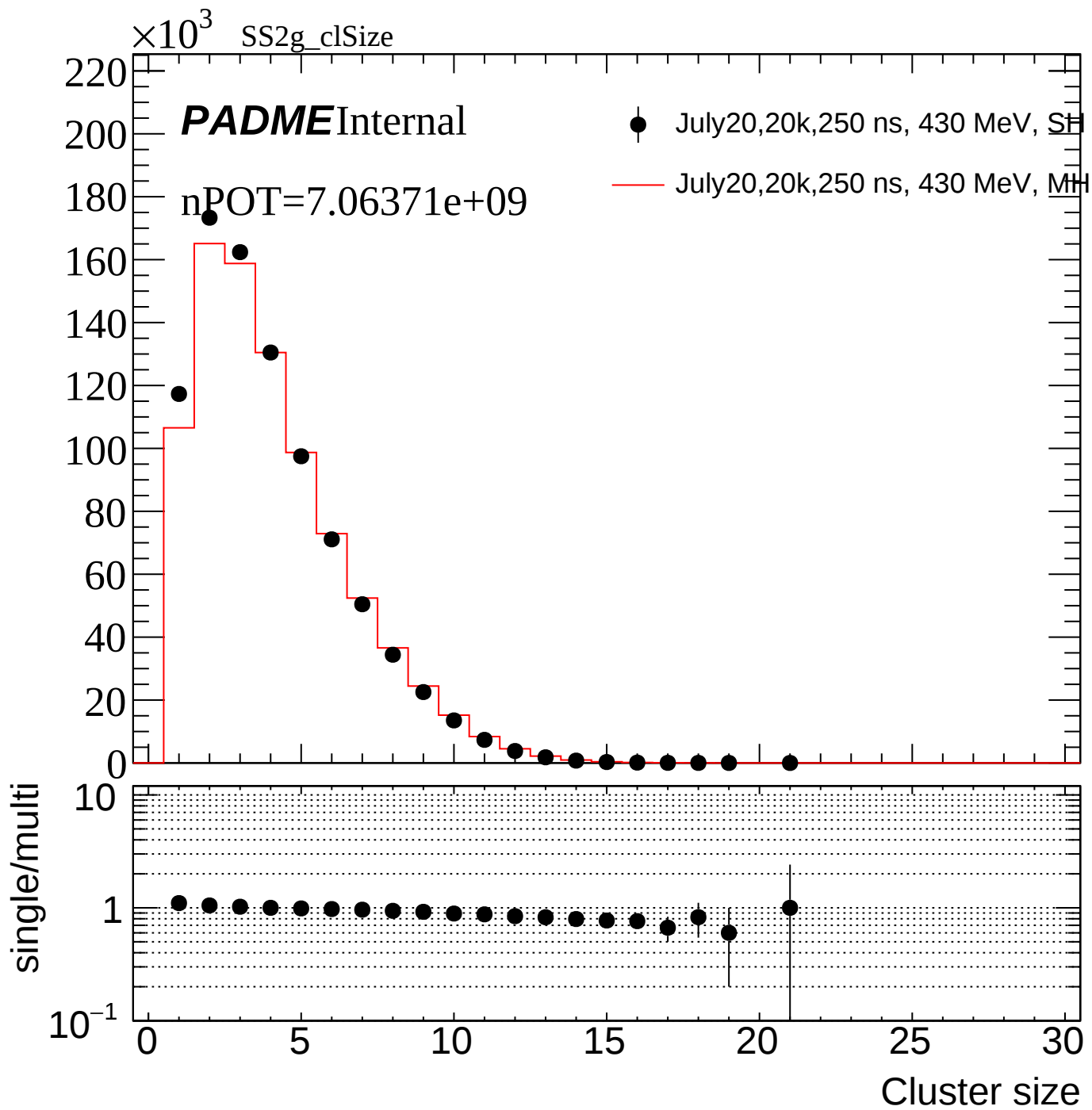
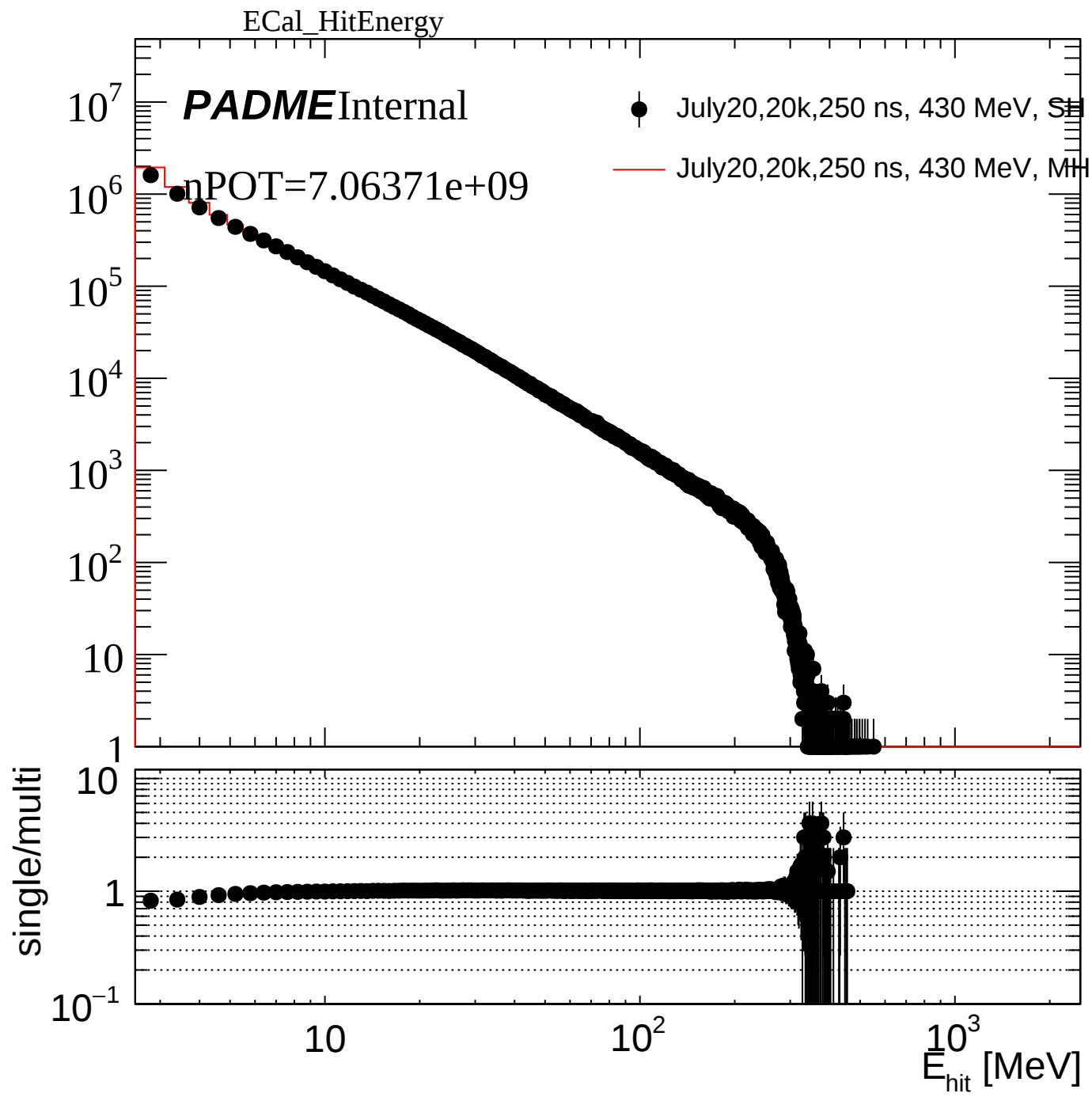


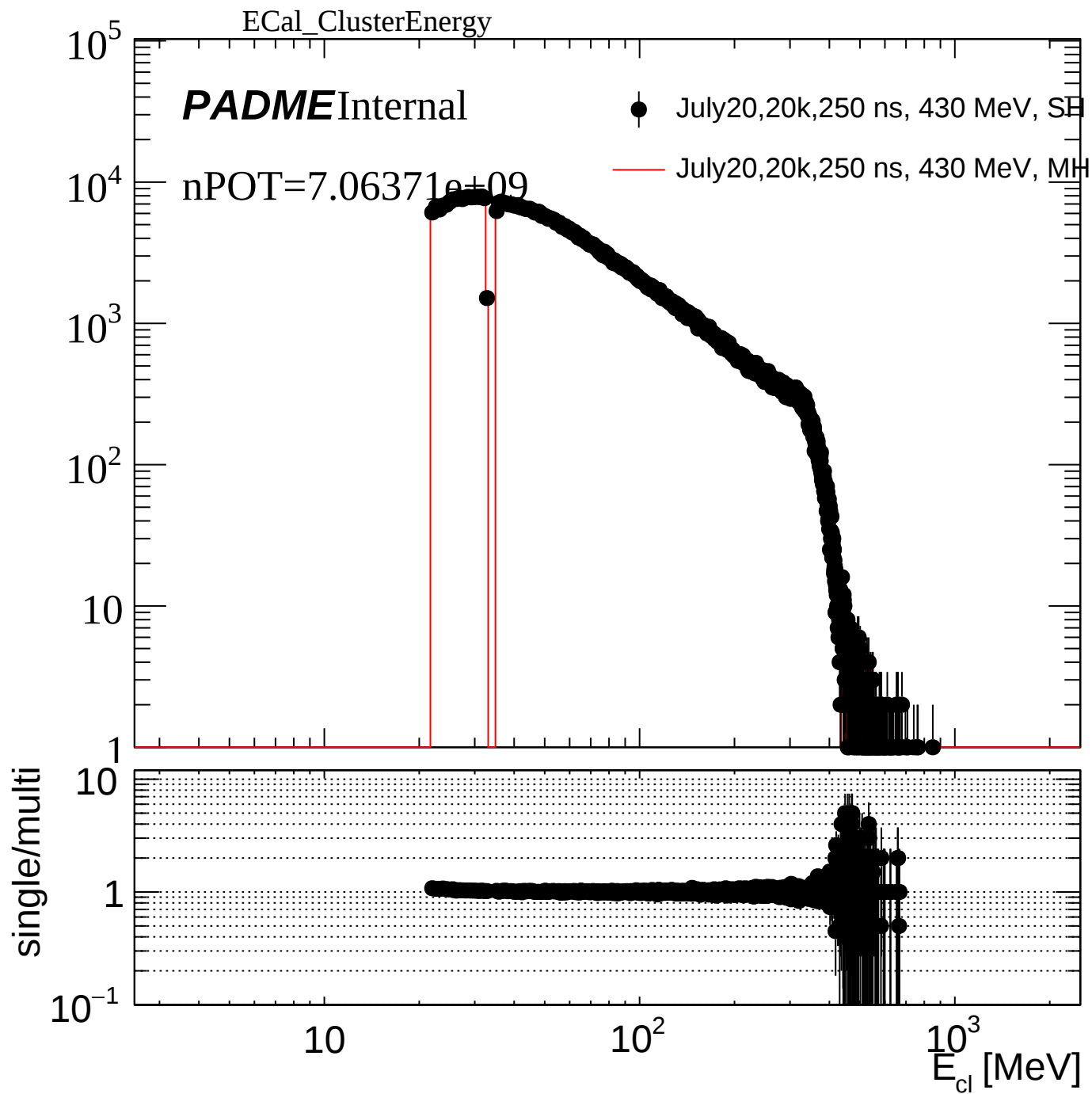












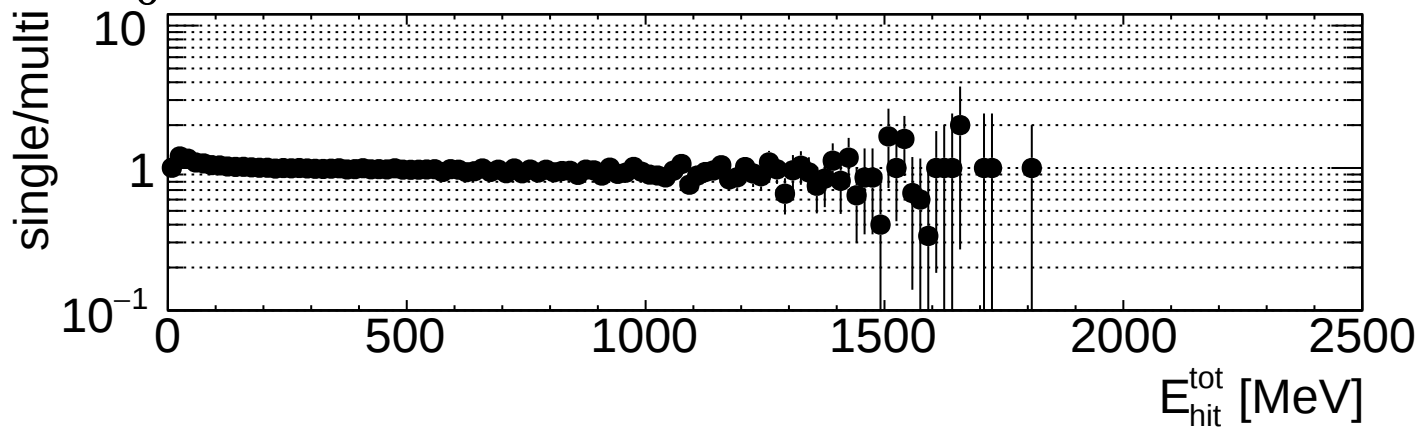
ECal_EHitTot

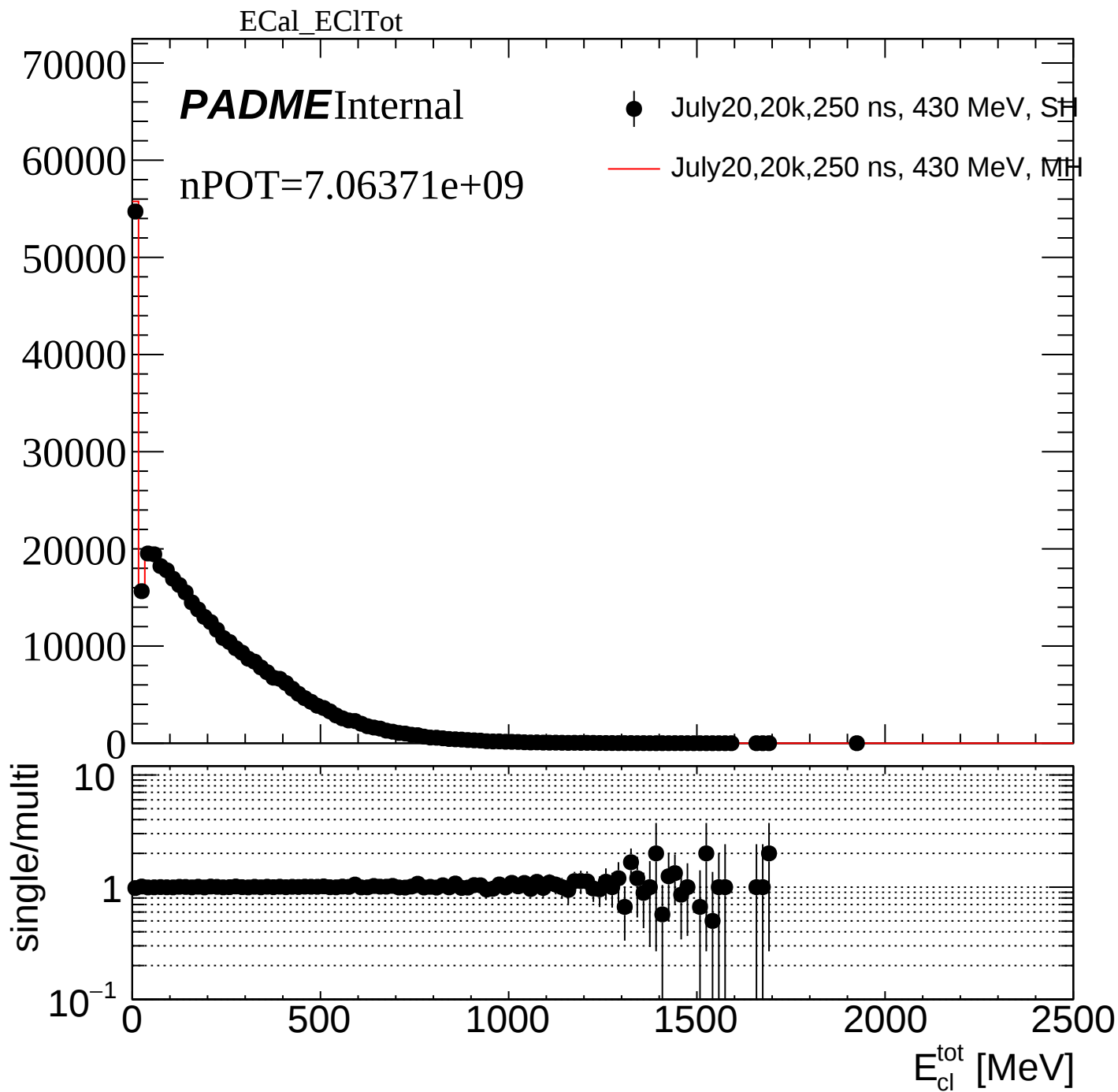
PADMEInternal

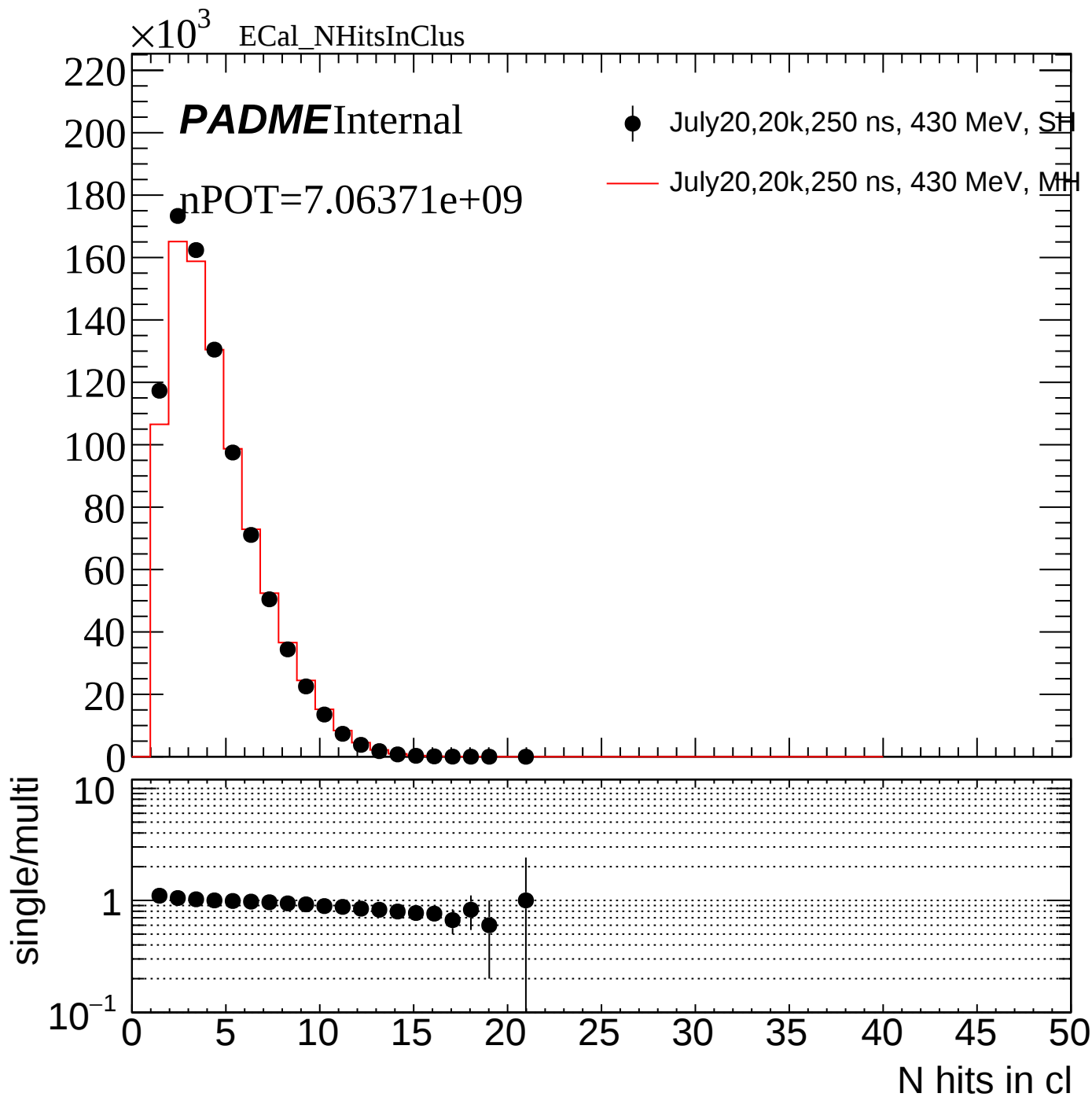
nPOT=7.06371e+09

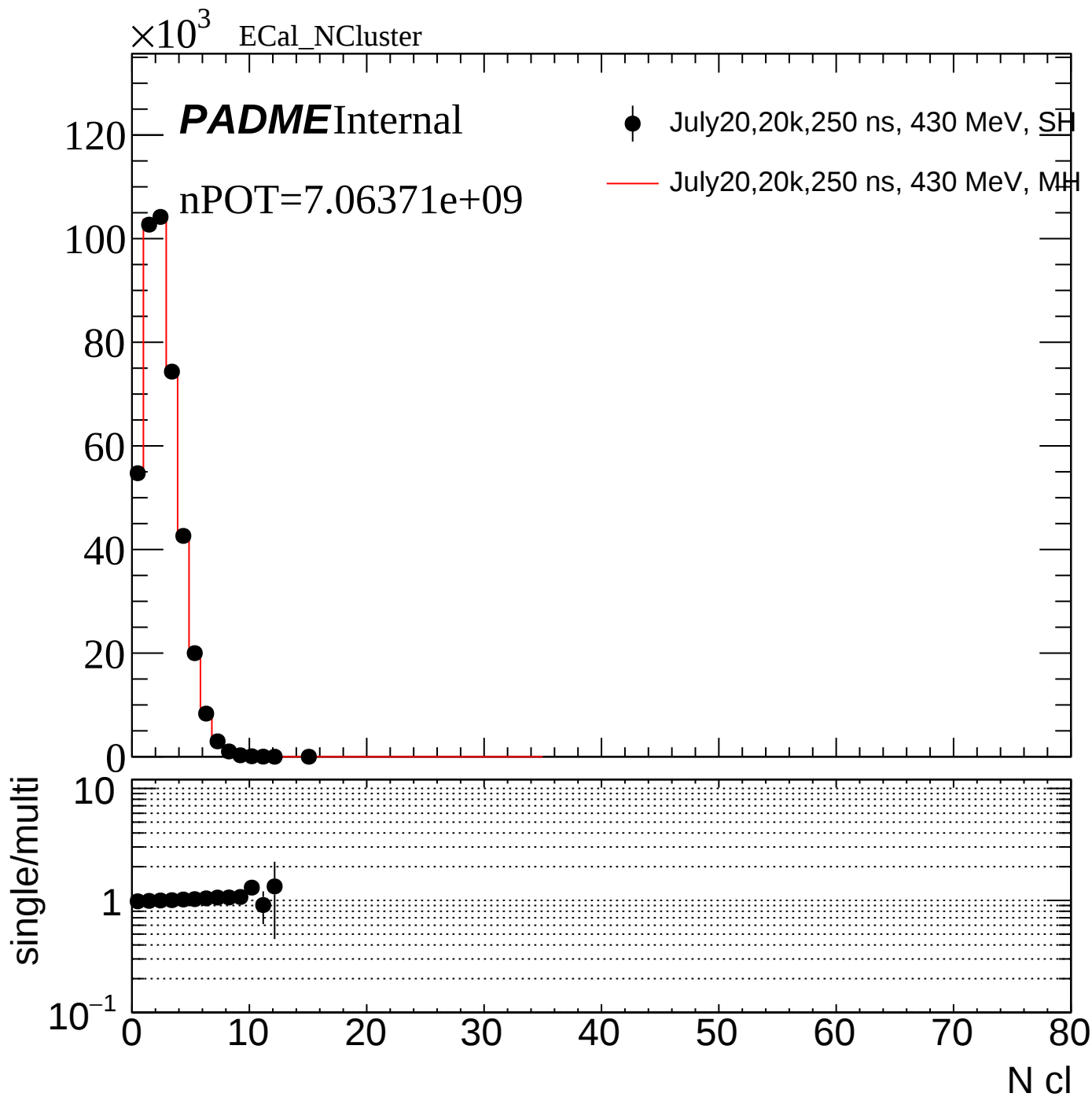
● July20,20k,250 ns, 430 MeV, SH

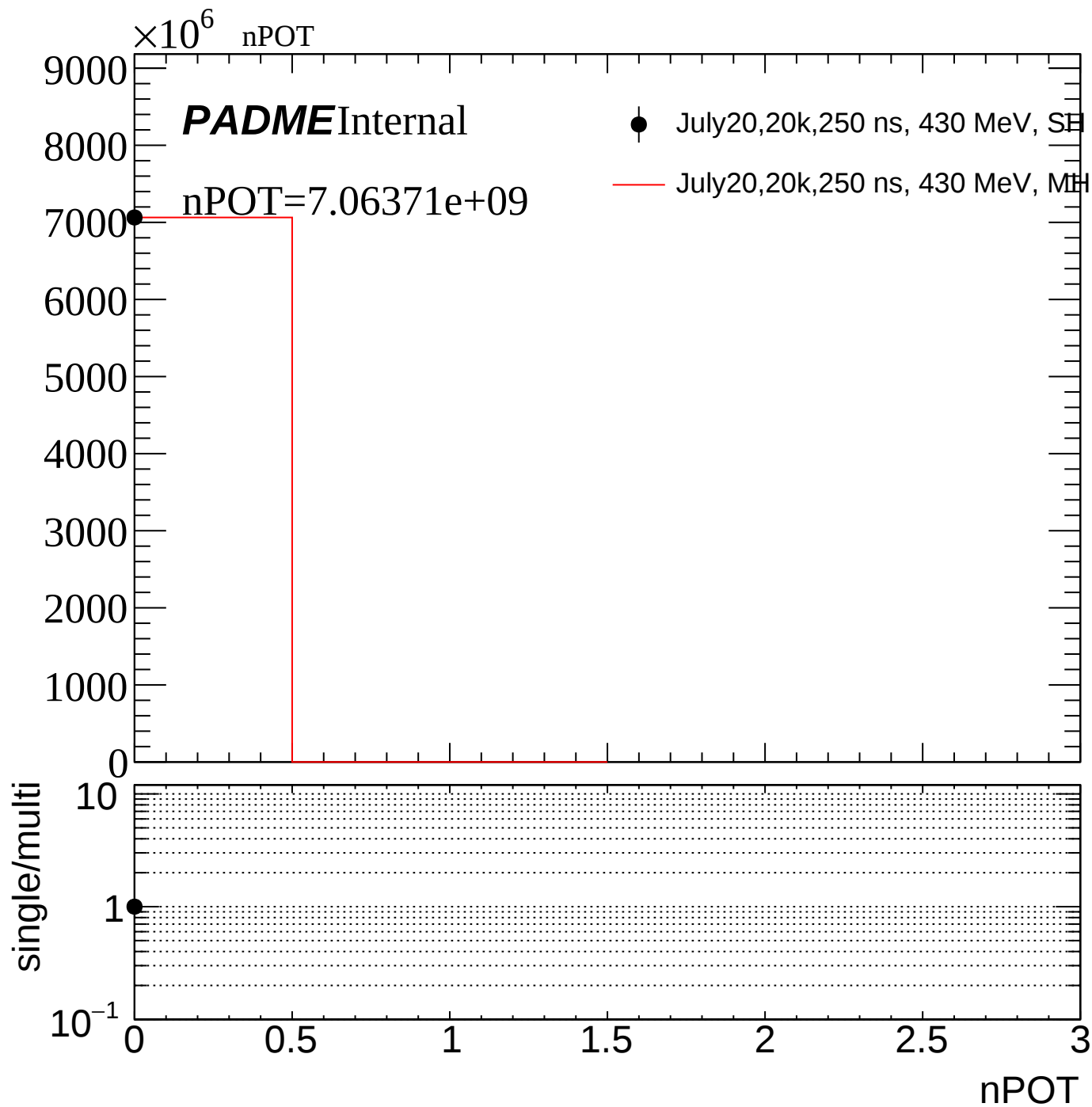
— July20,20k,250 ns, 430 MeV, MH

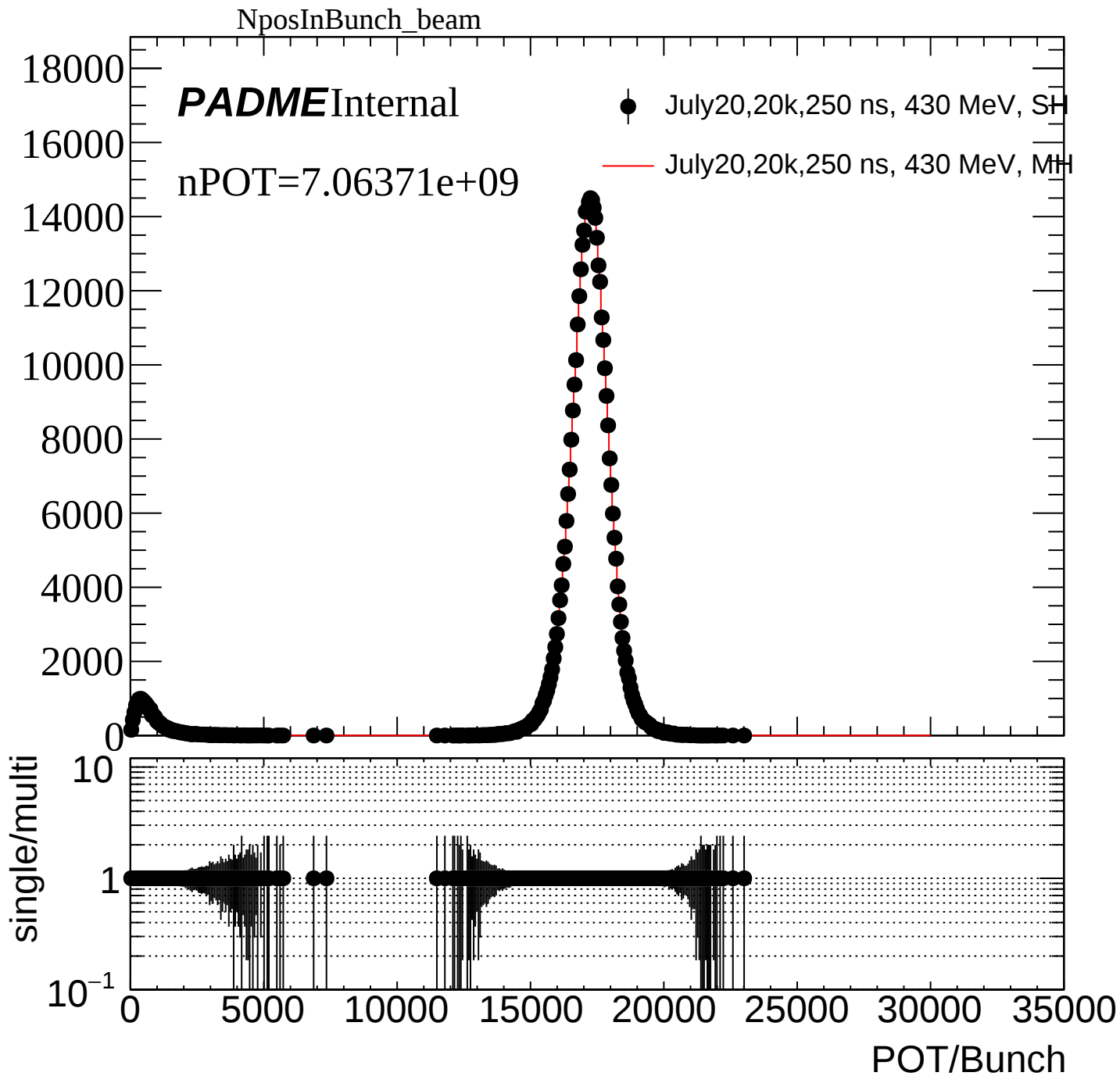


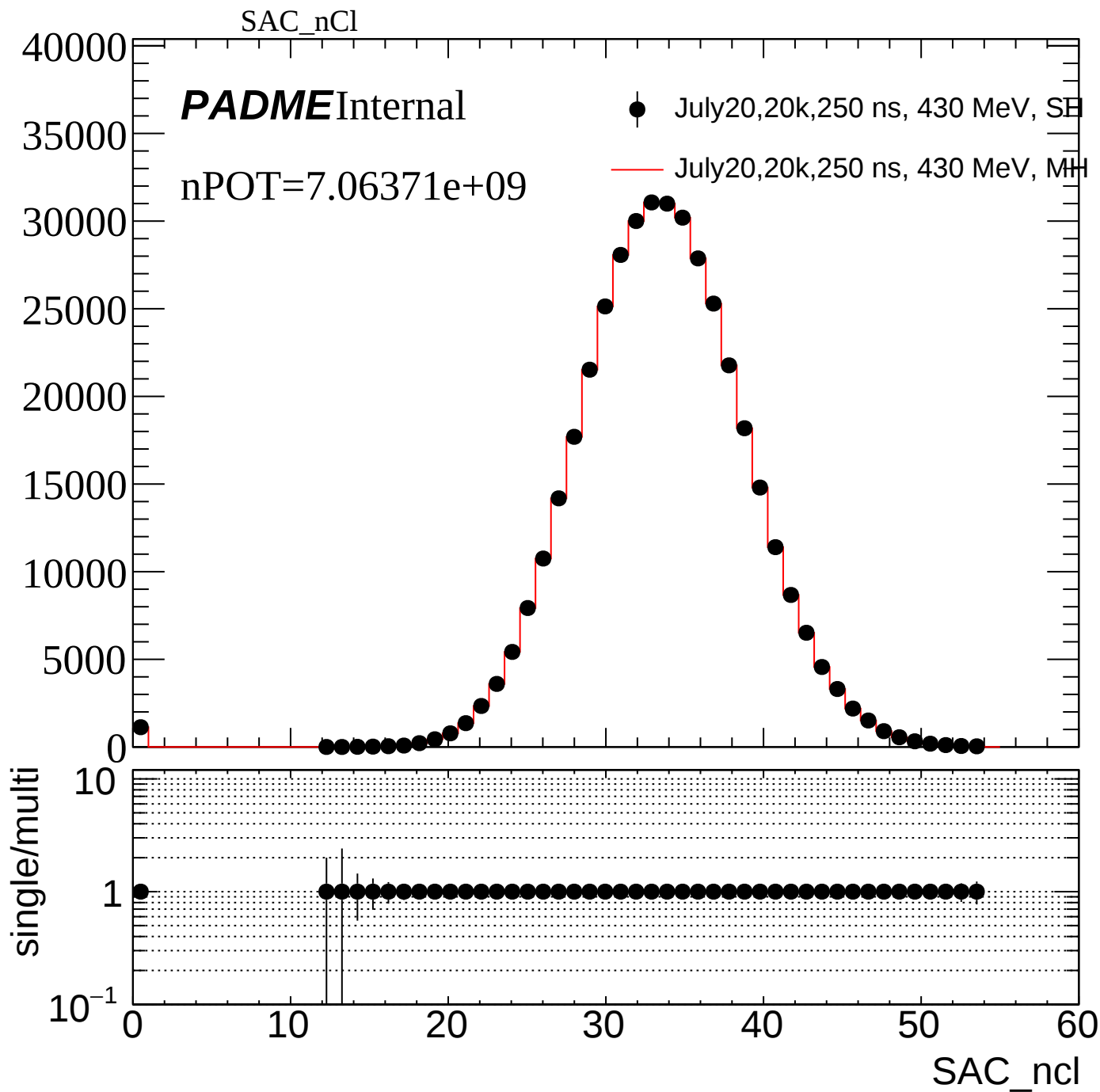












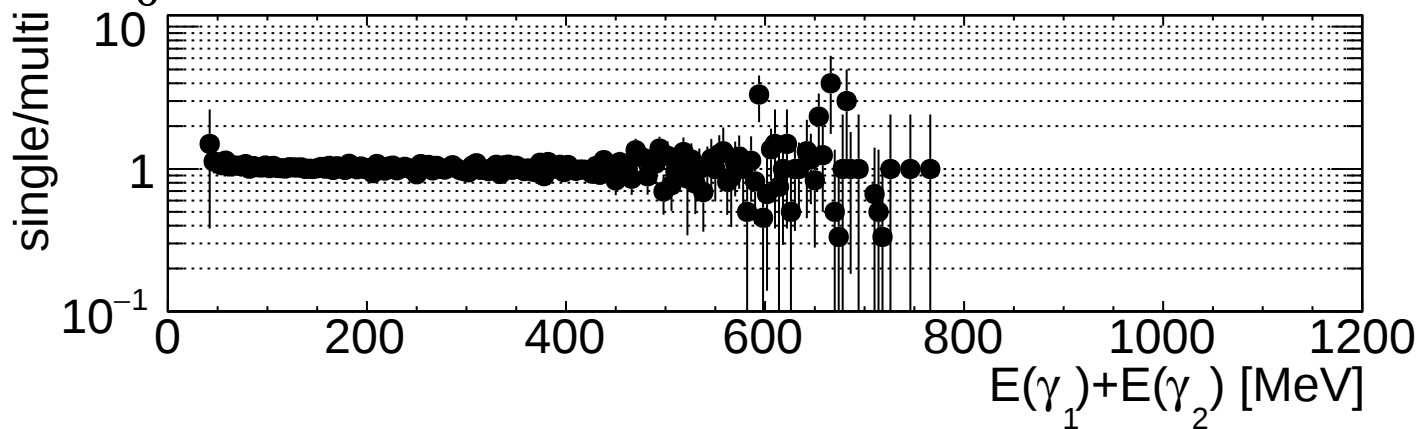
ECAL_twoPhotonInTime10ns

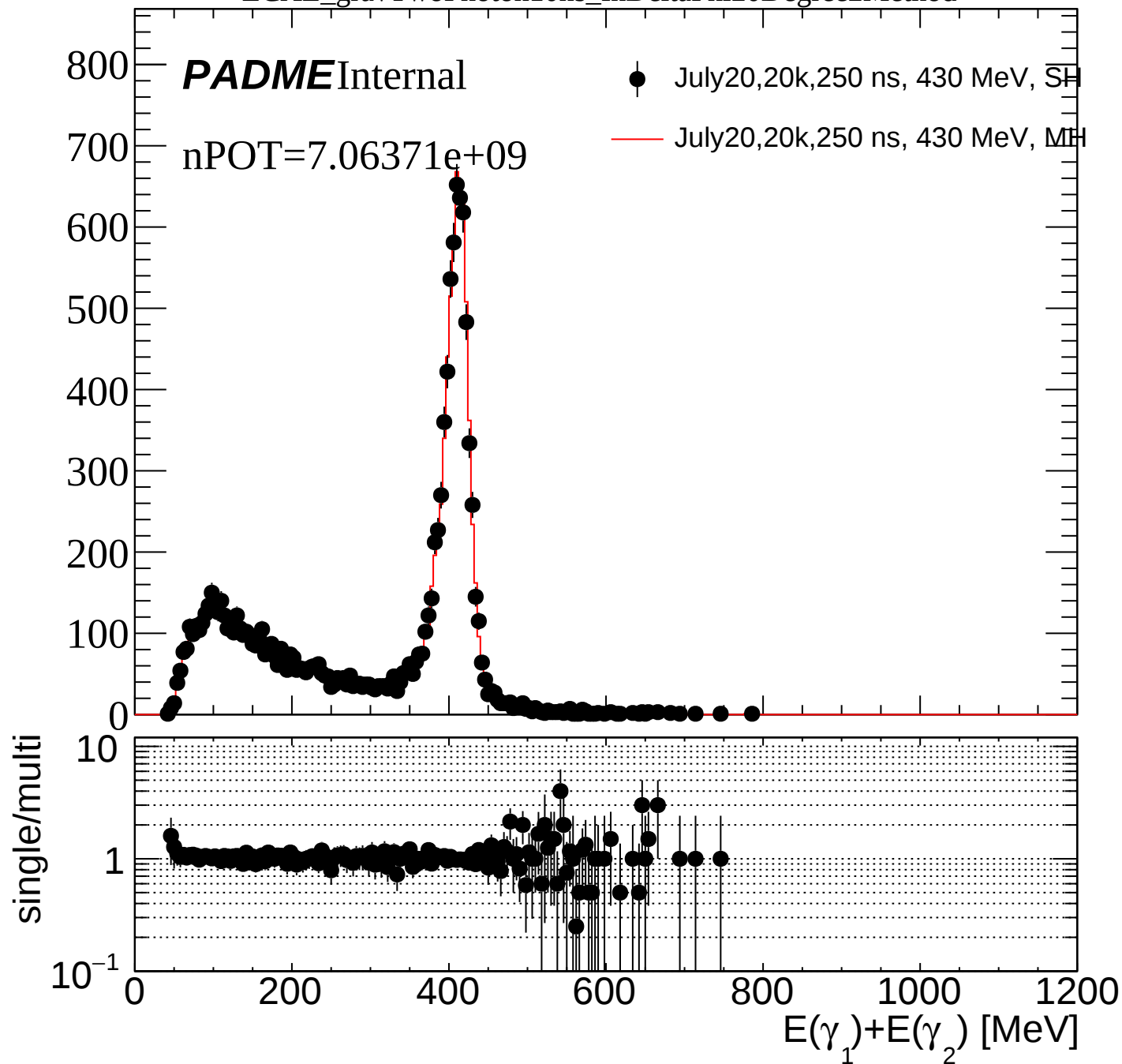
PADME Internal

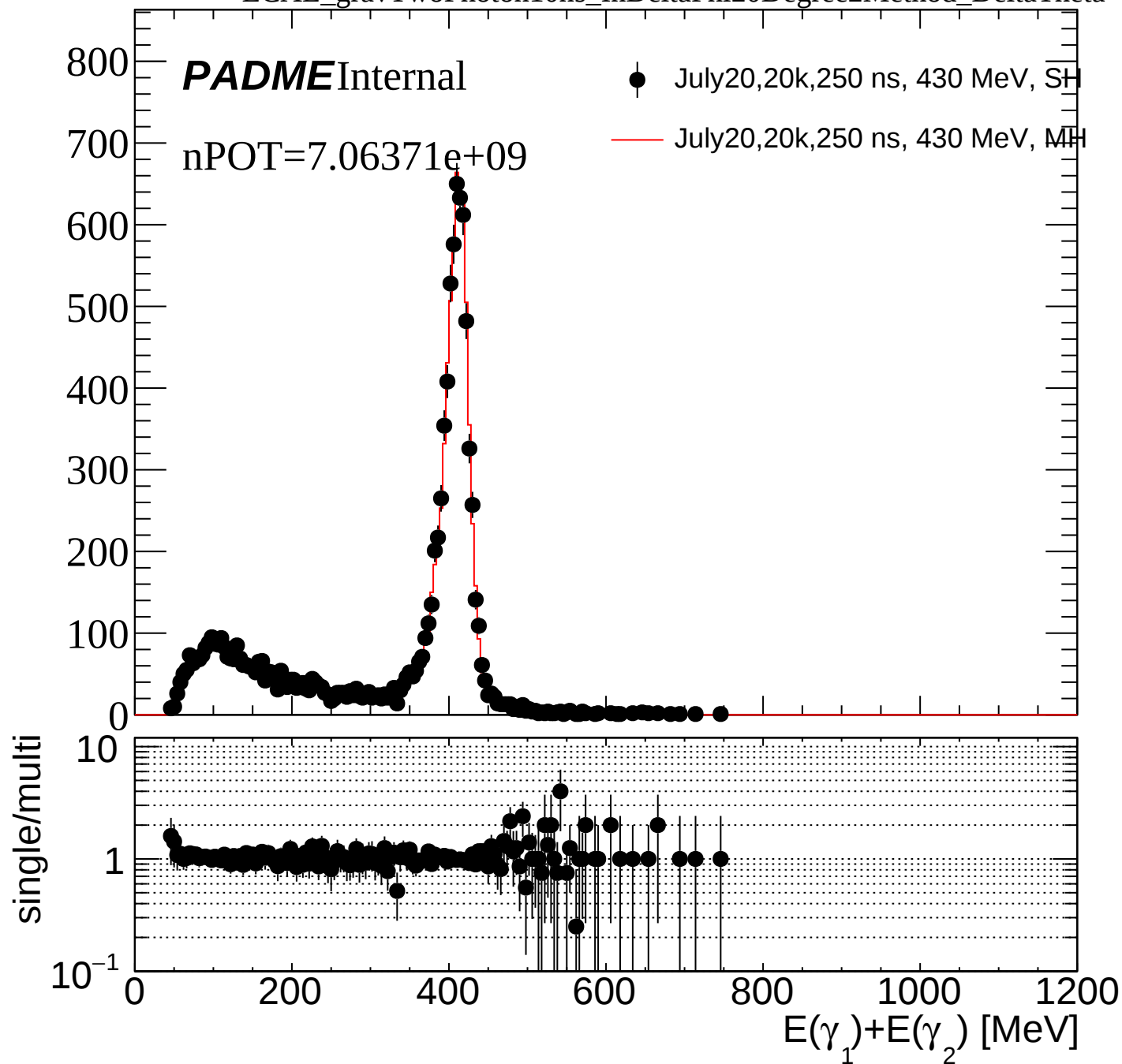
nBPT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

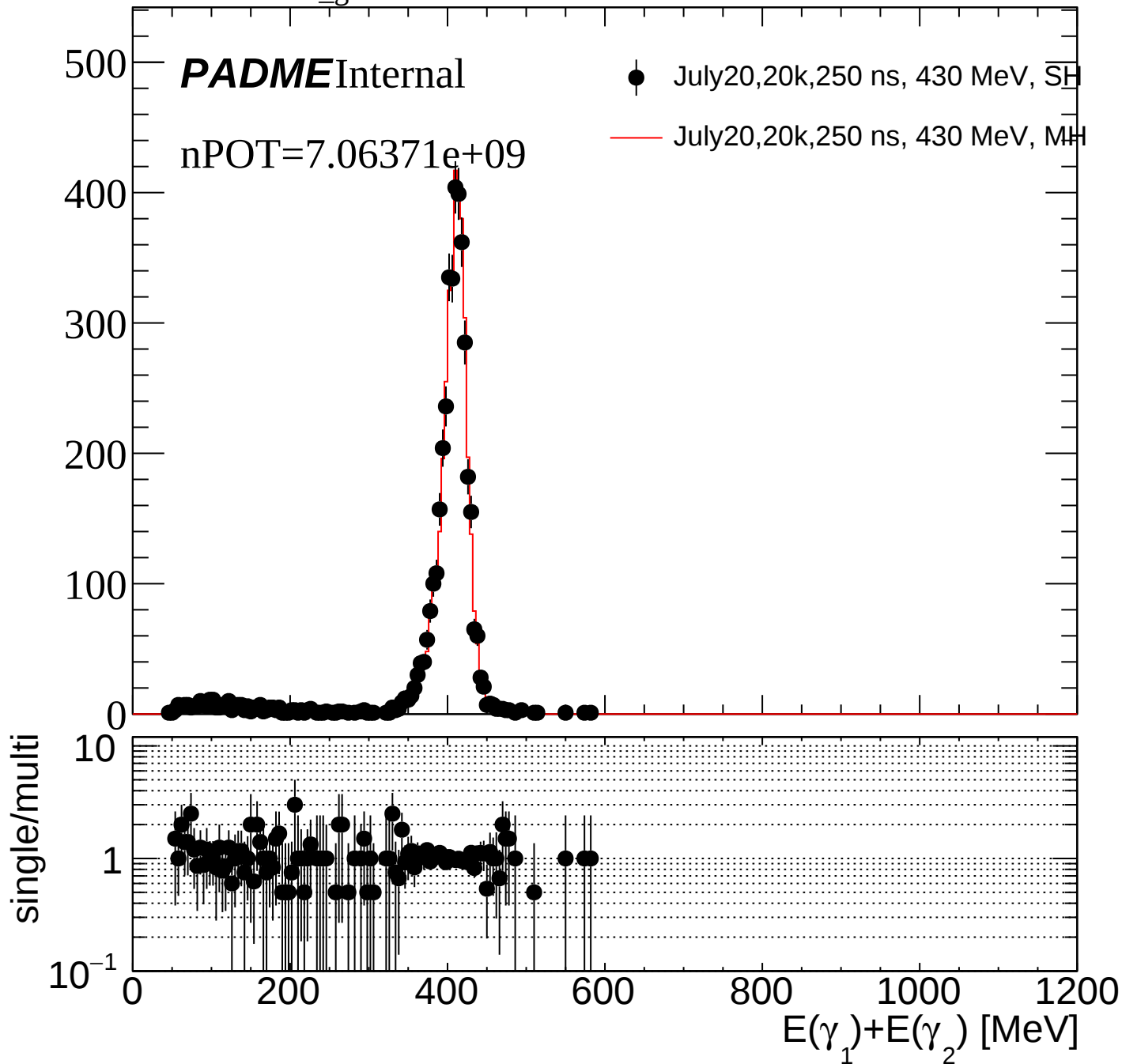
— July20,20k,250 ns, 430 MeV, MH







ECAL_gravTwoPhoton10ns1cm



ECAL_twoPhotonInTime10nsUnderPeak

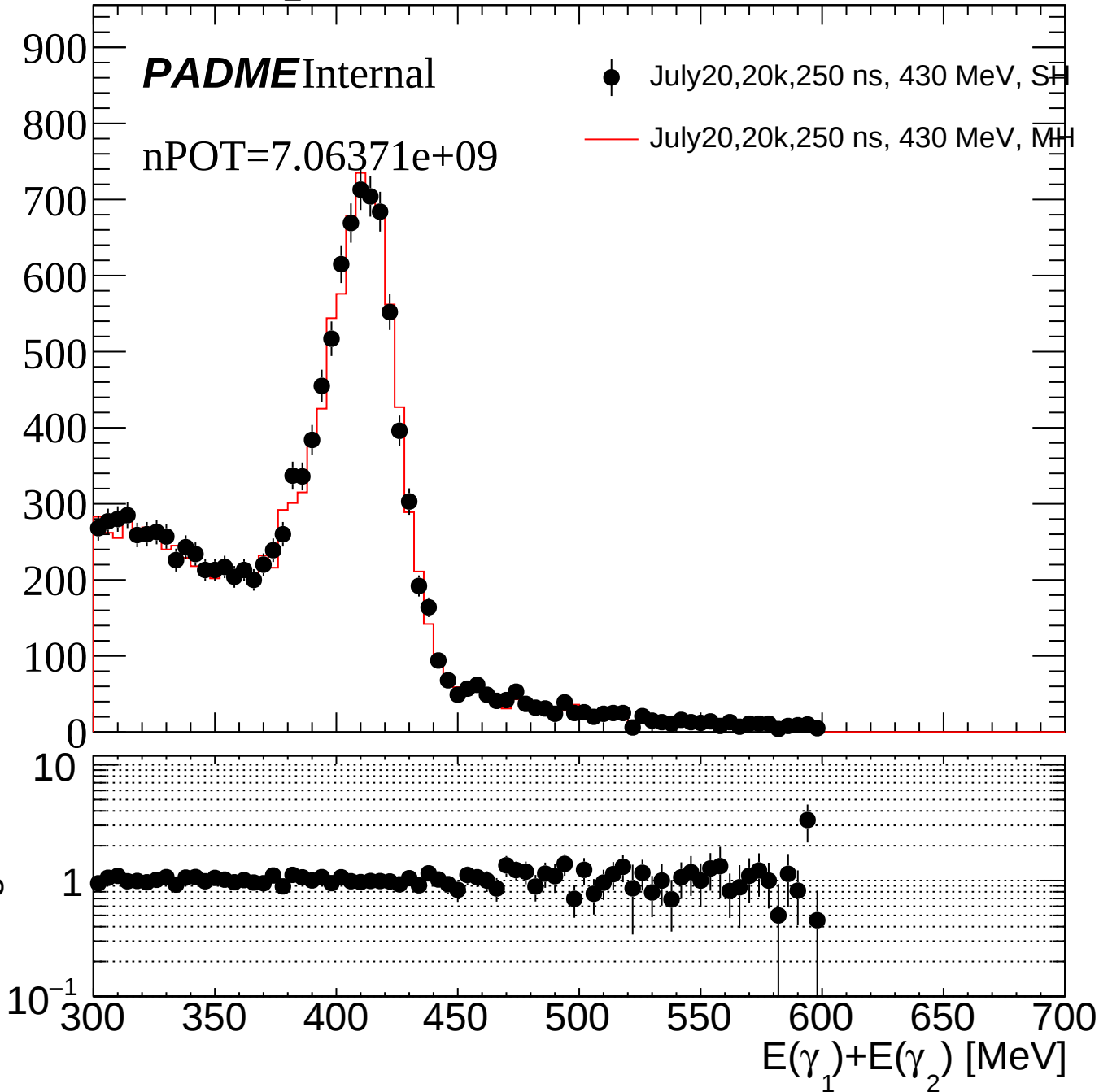
PADMEInternal

nPOT=7.06371e+09

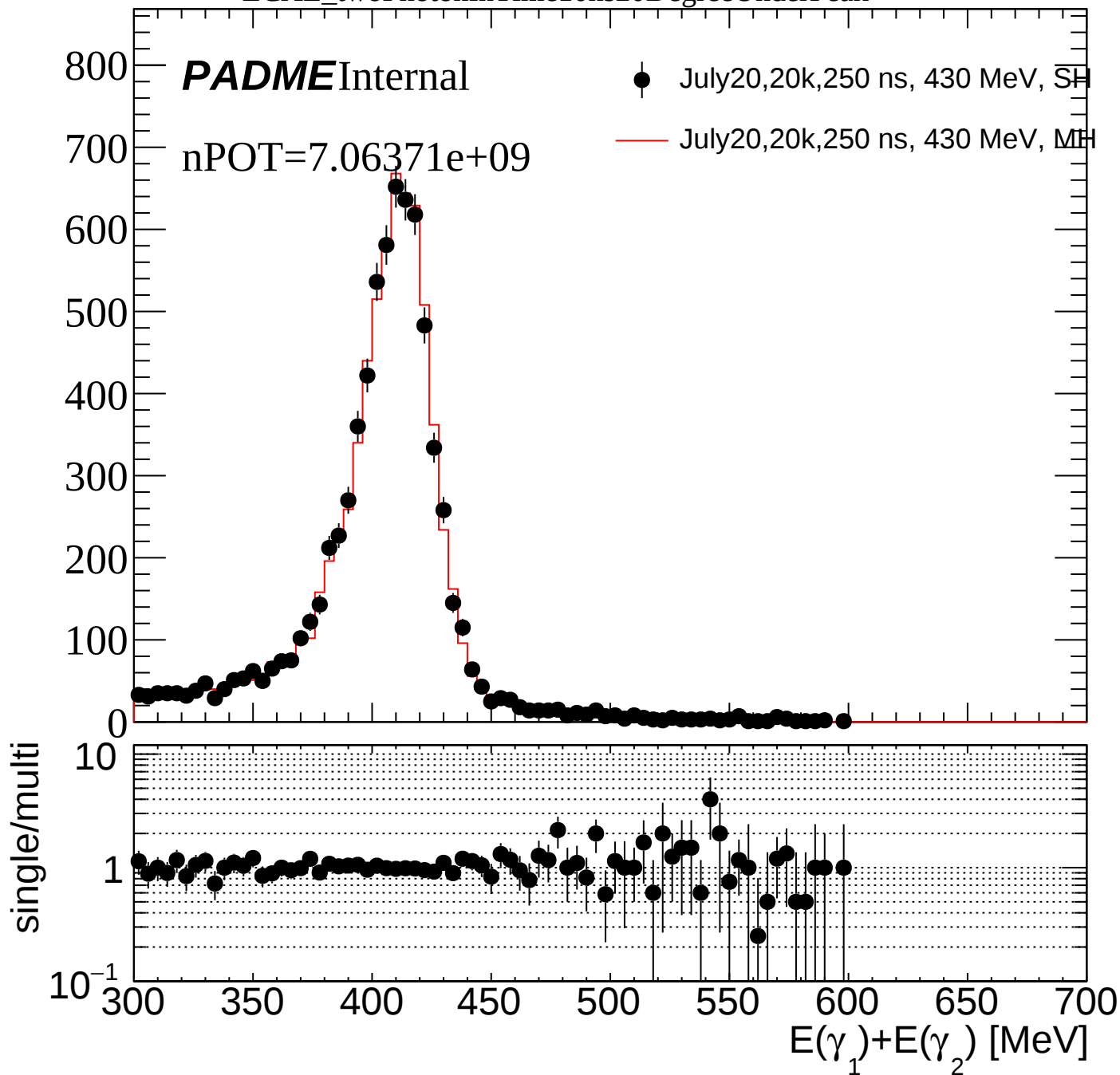
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

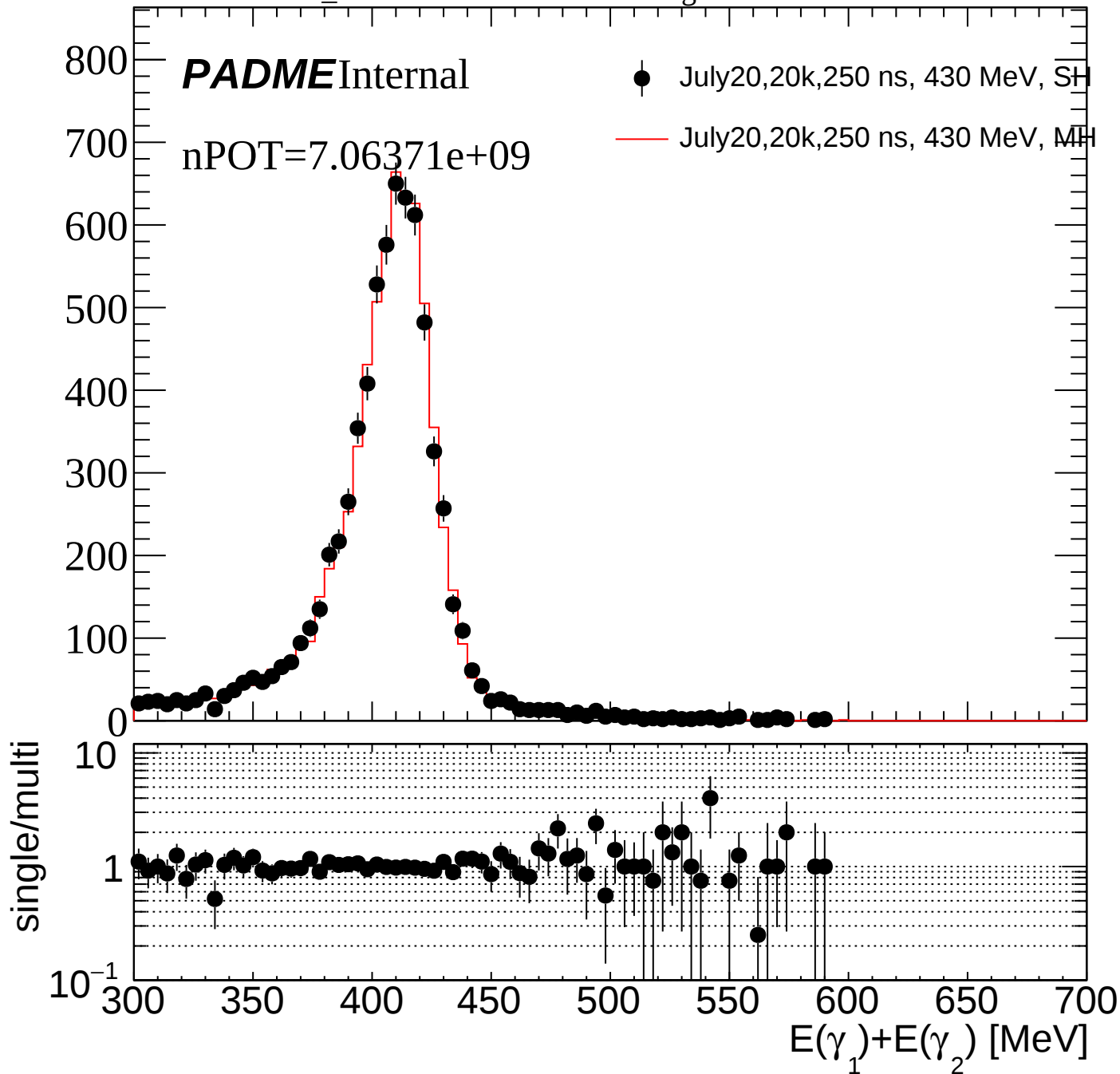
single/multi

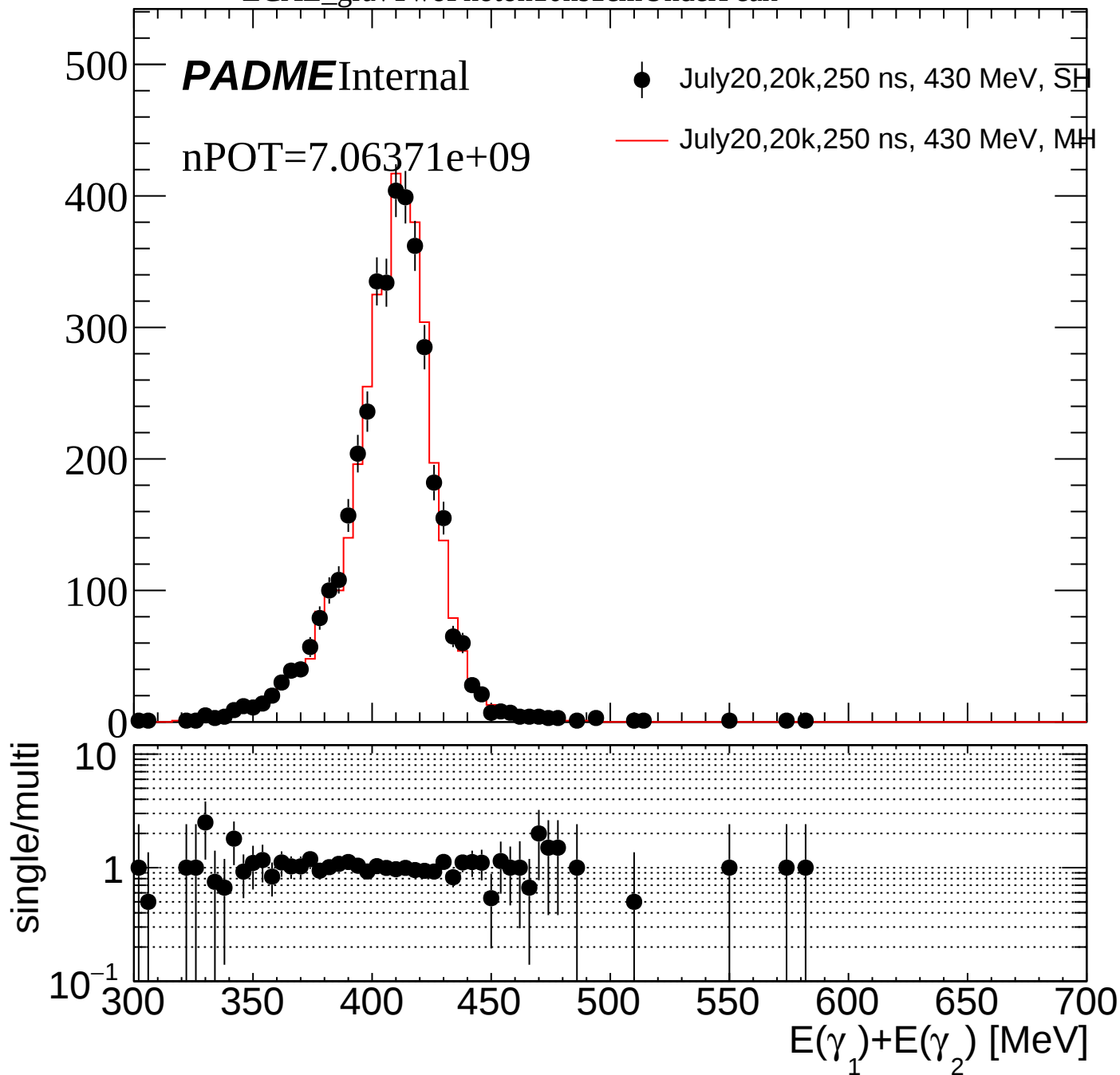


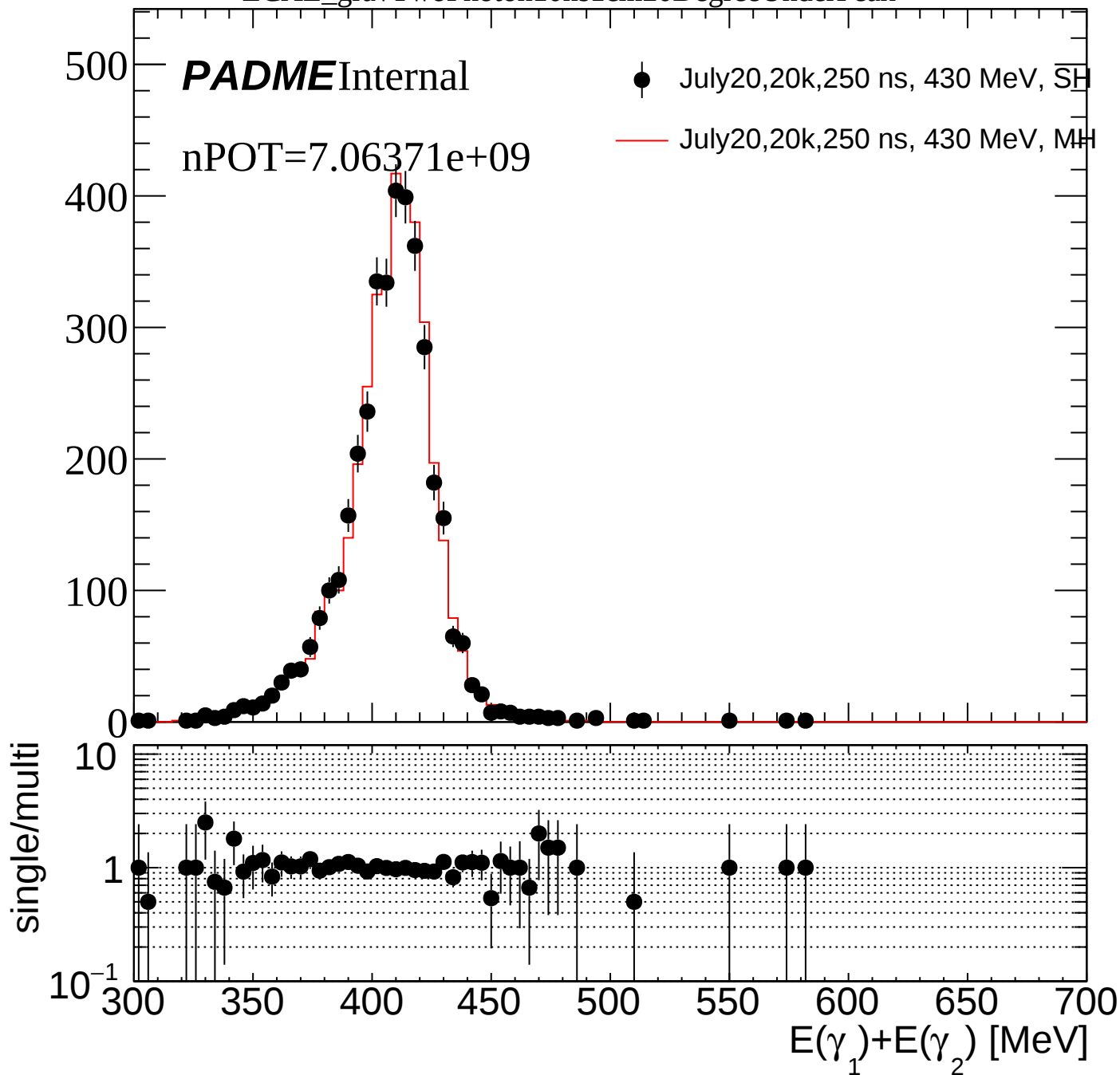
ECAL_twoPhotonInTime10ns20DegreeUnderPeak

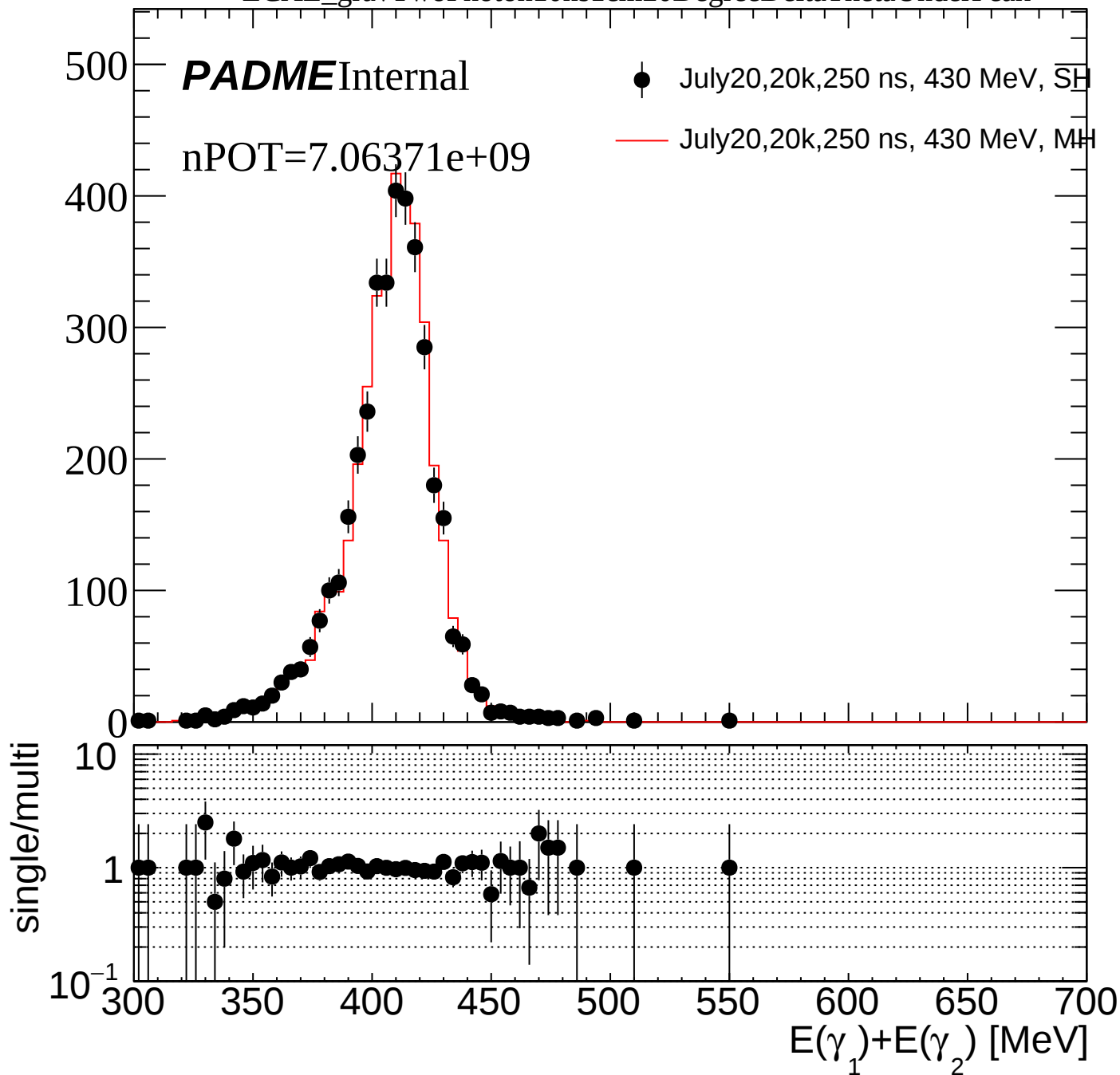


ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak









ECAL_twoPhotonInTime10nsEThr90

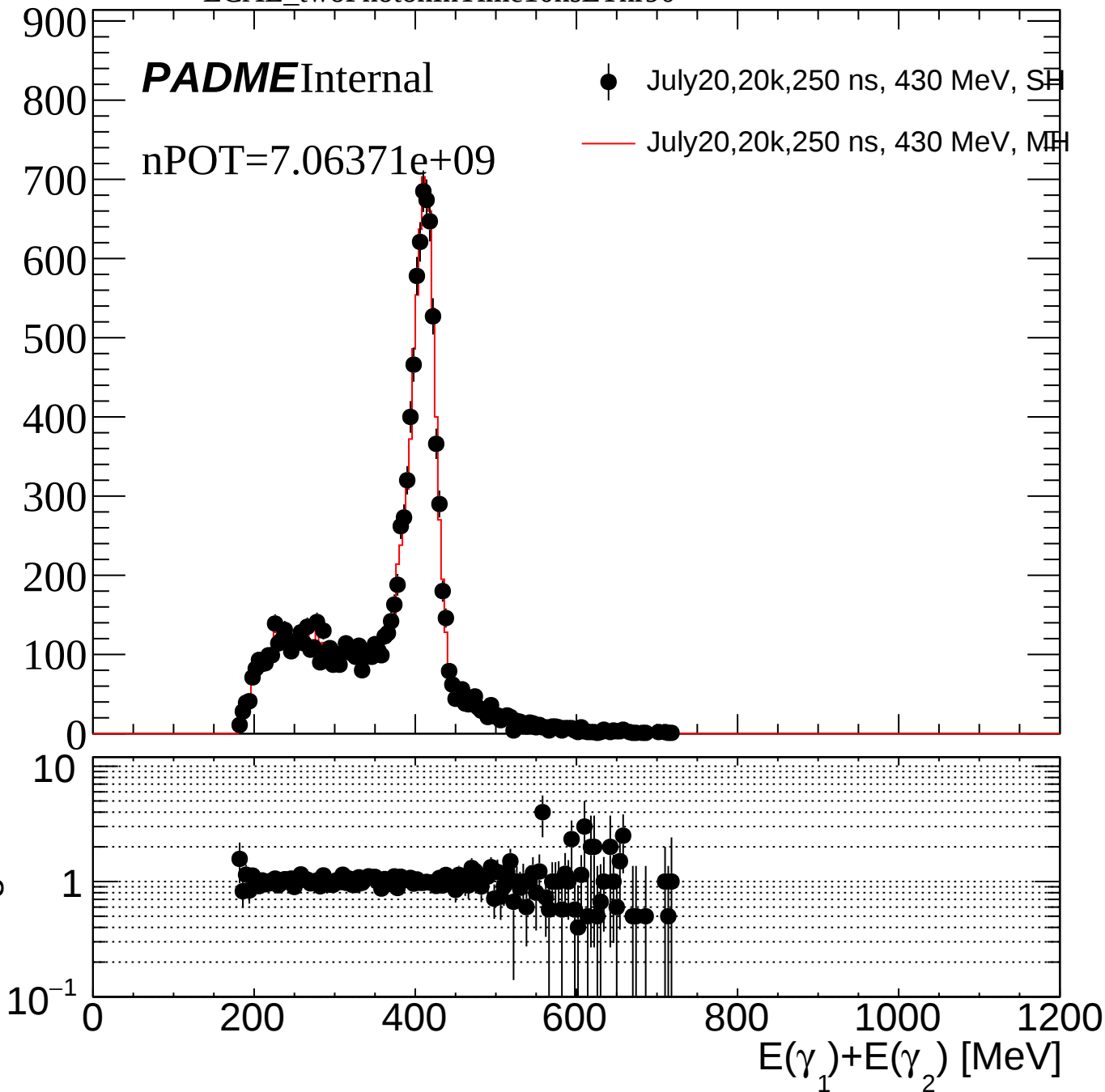
PADMEInternal

nPOT=7.06371e+09

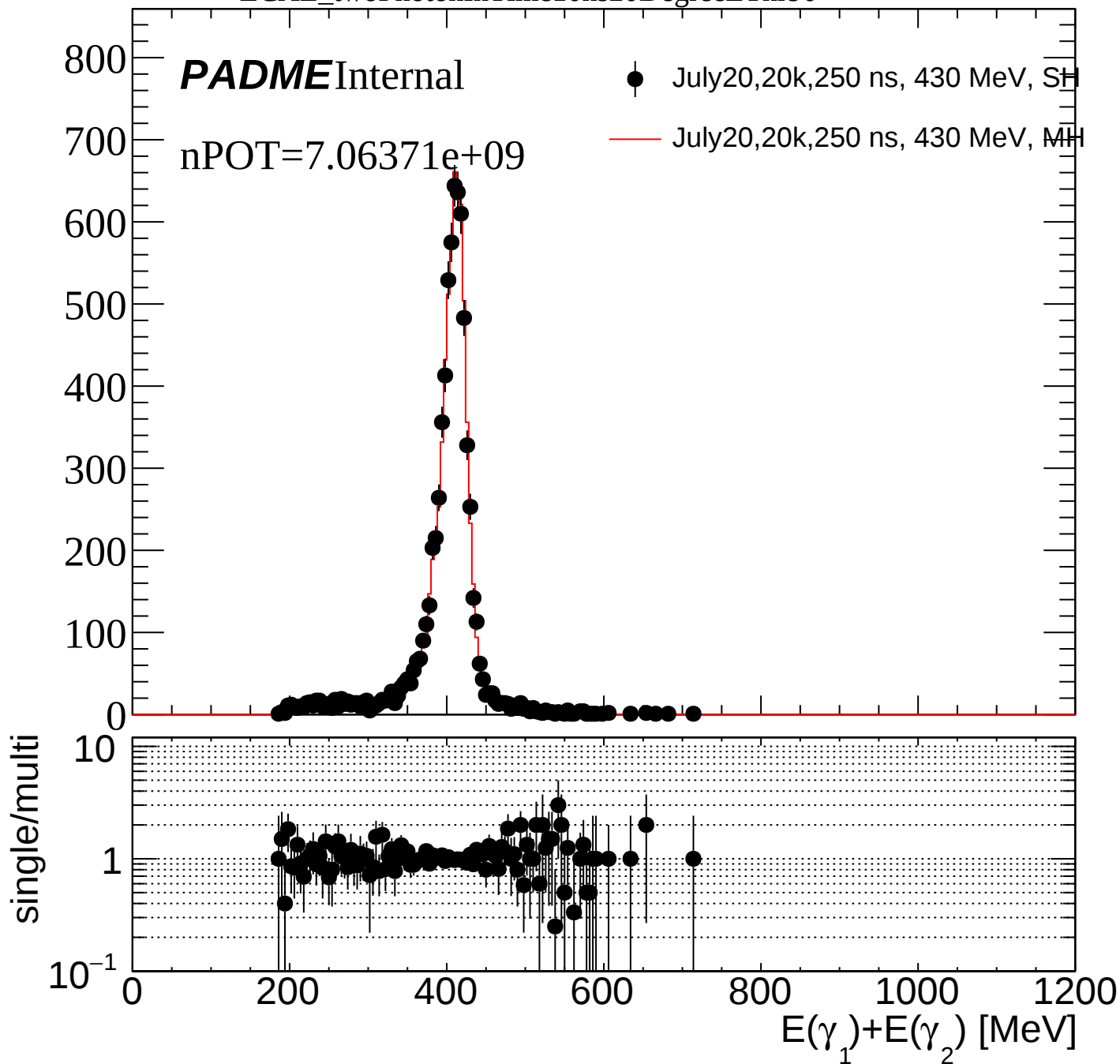
● July20,20k,250 ns, 430 MeV, SP

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_twoPhotonInTime10ns20DegreeEThr90



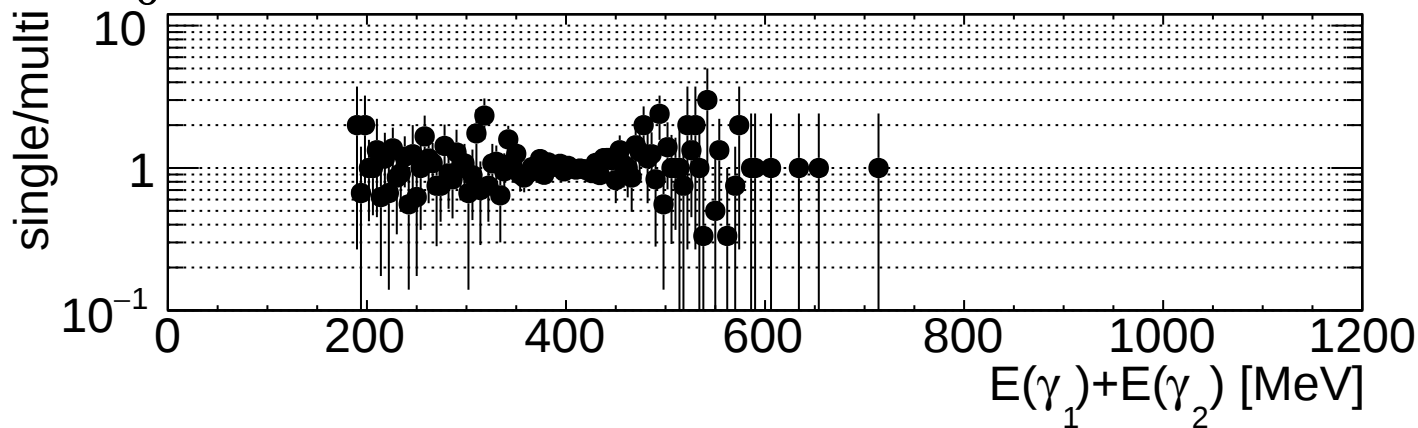
ECAL_twoPhotonInTime10ns20DegreeDeltaThetaEThr90

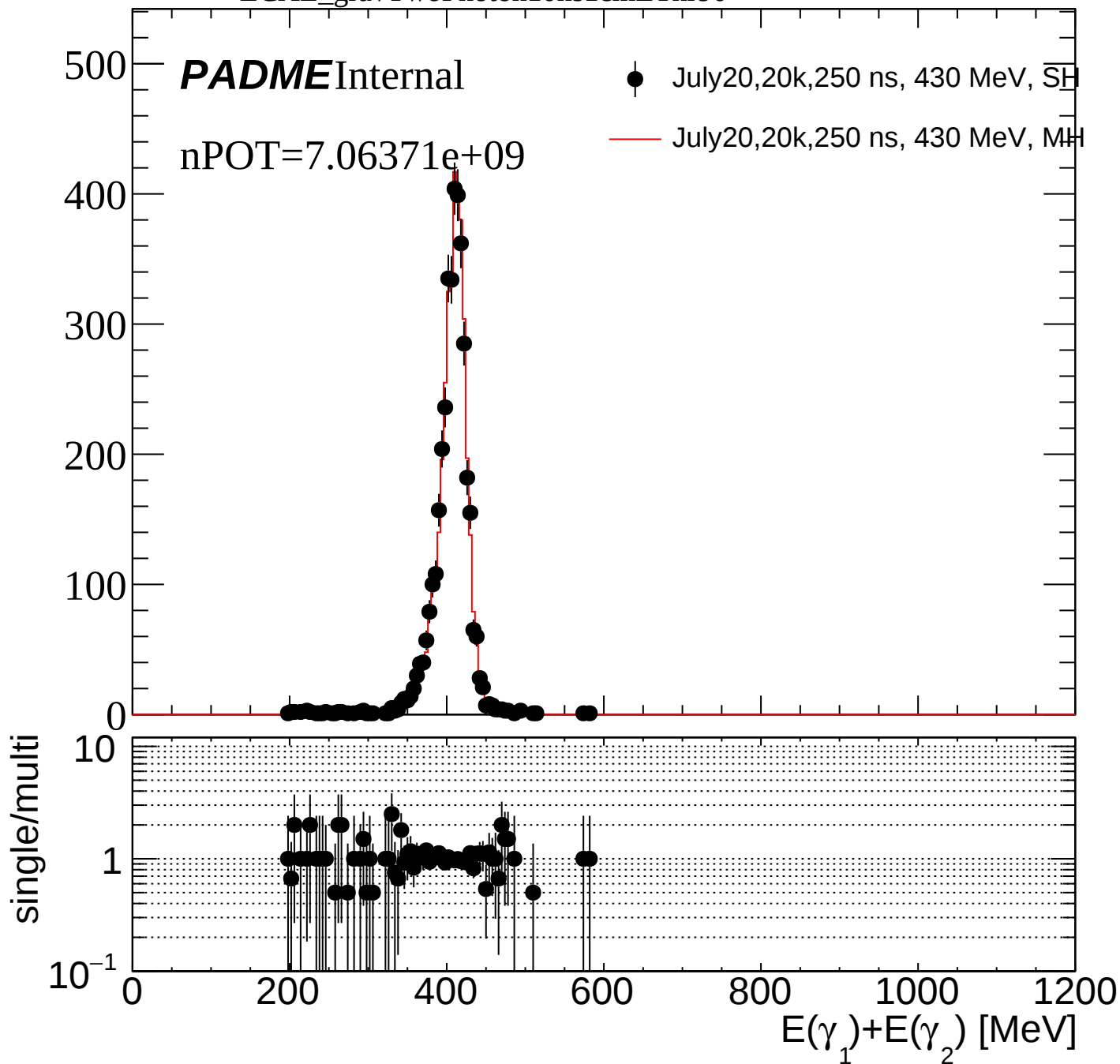
PADMEInternal

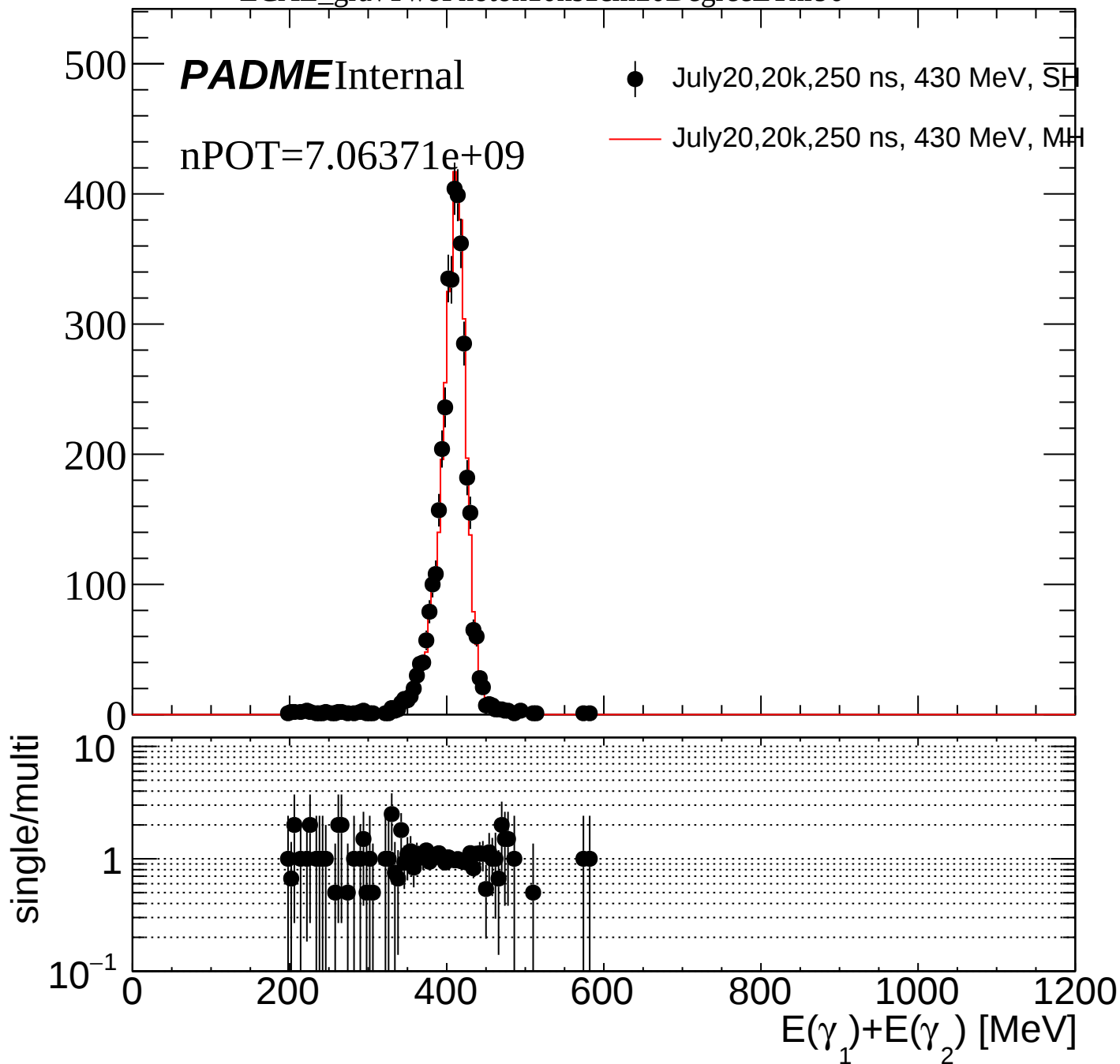
nPOT=7.06371e+09

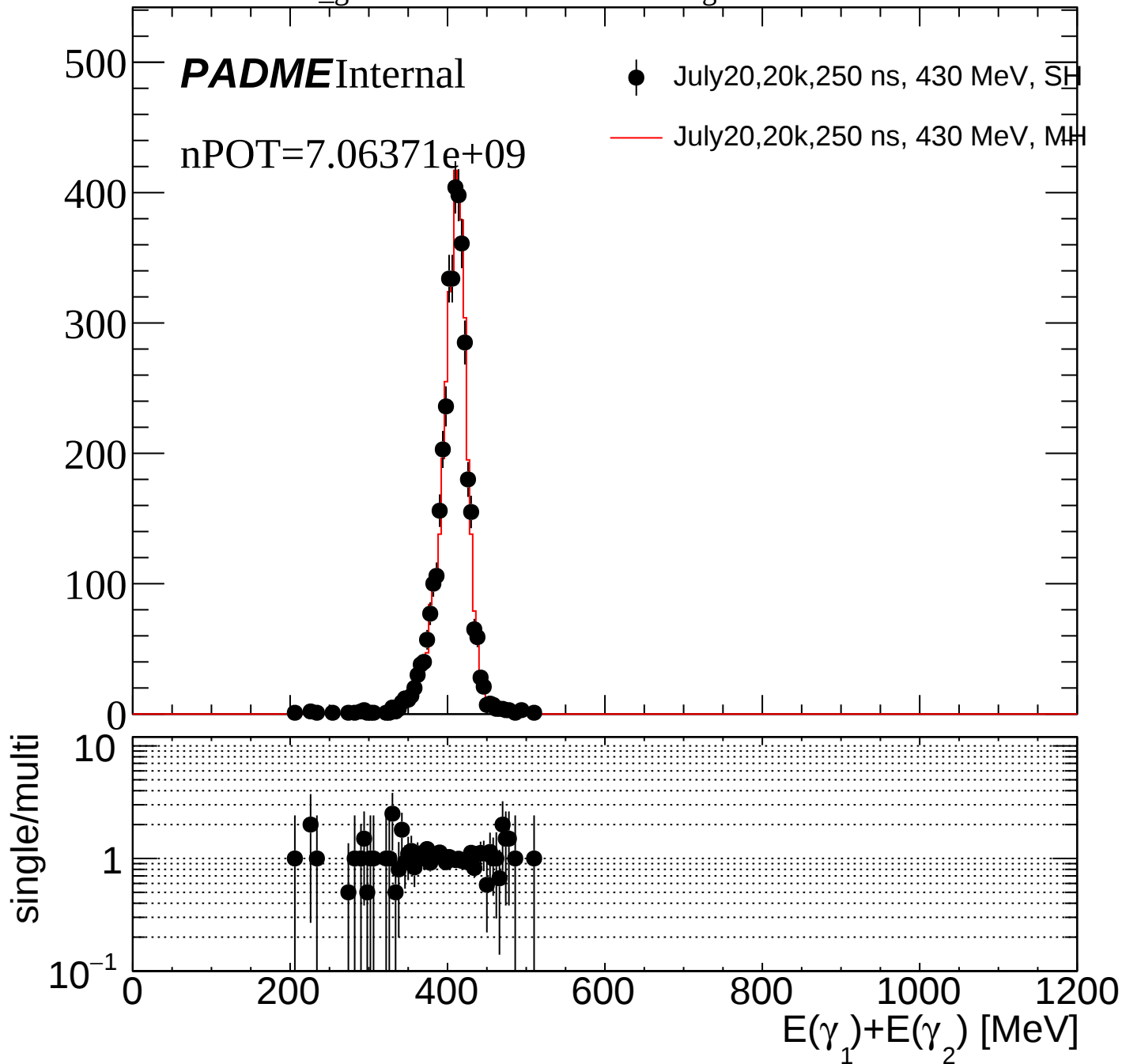
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

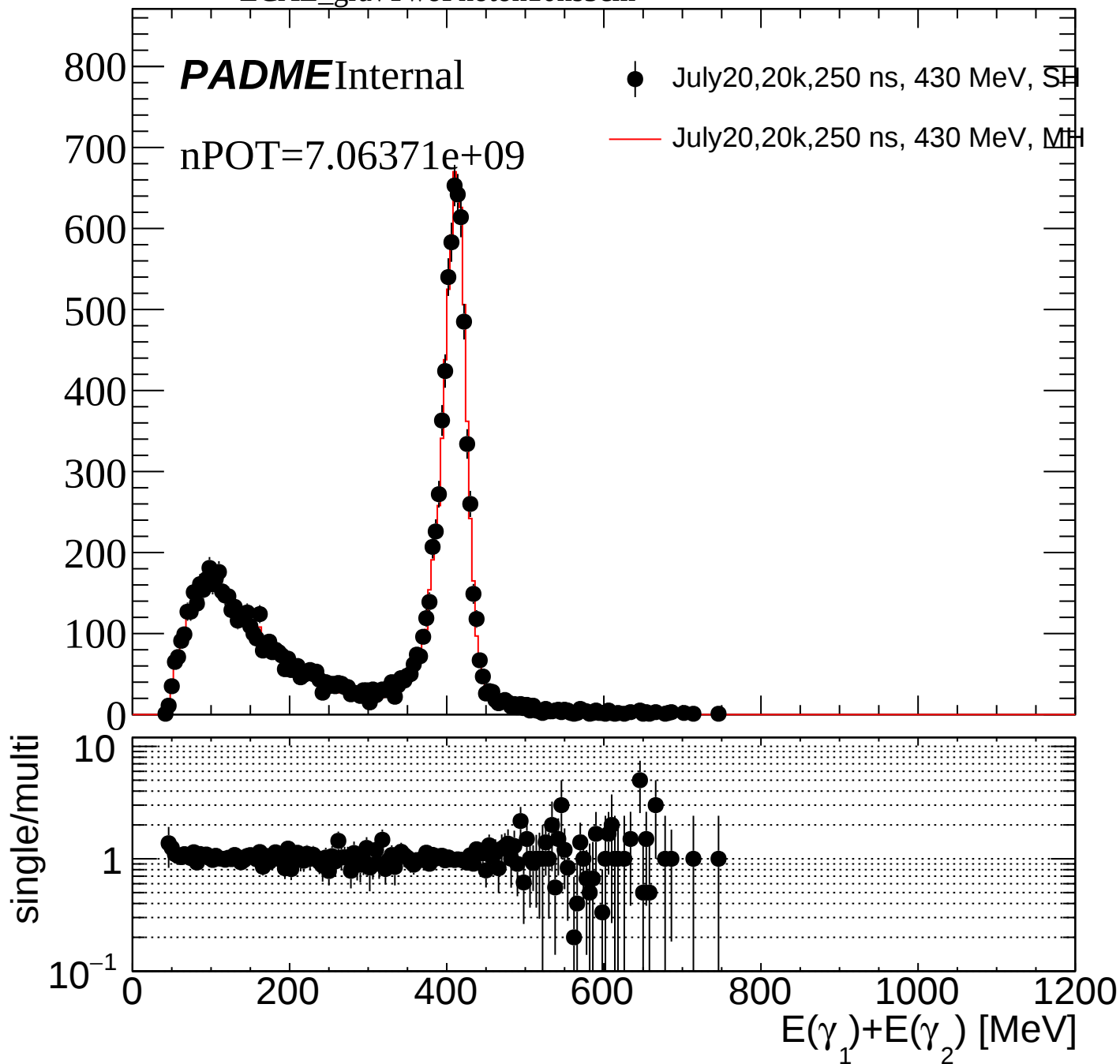


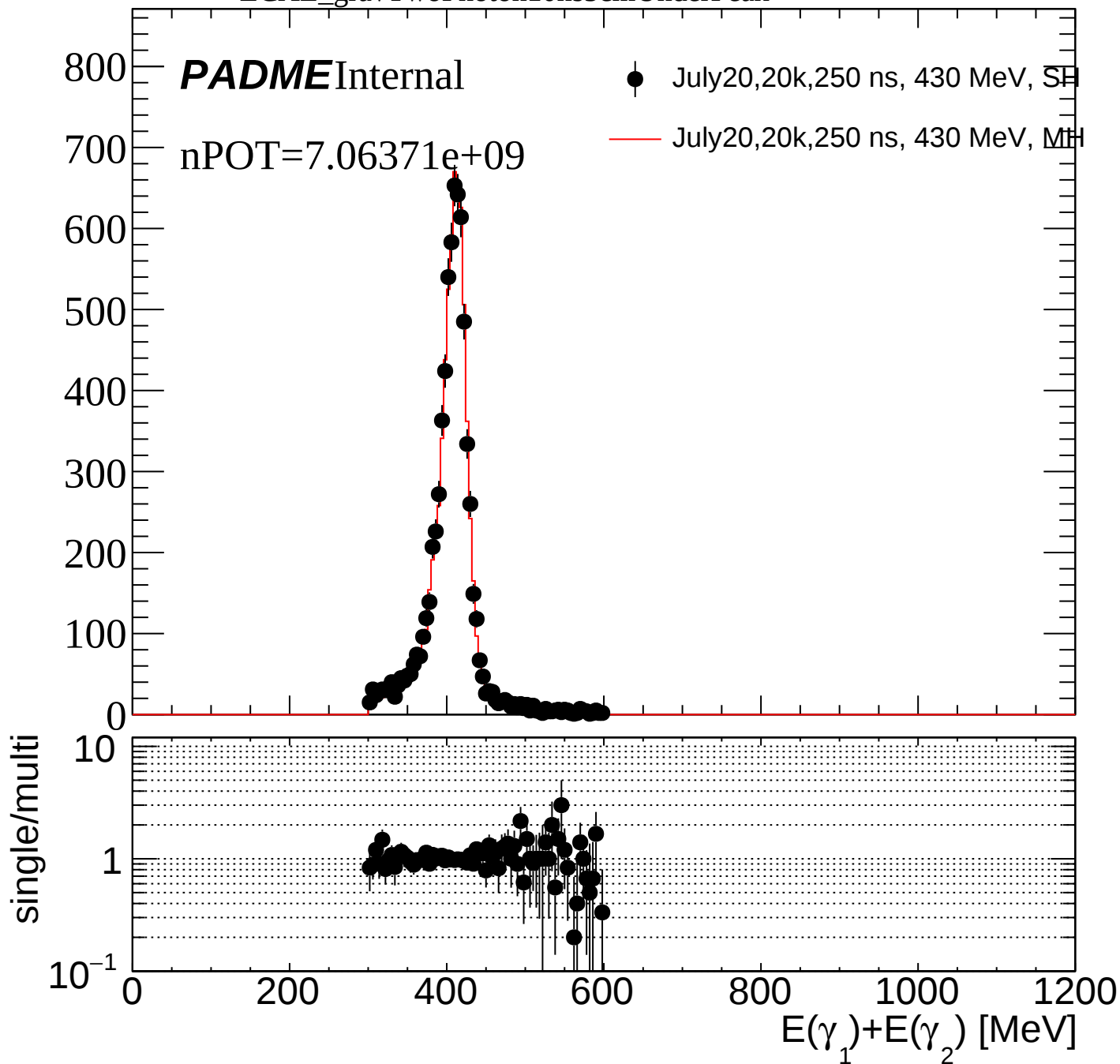


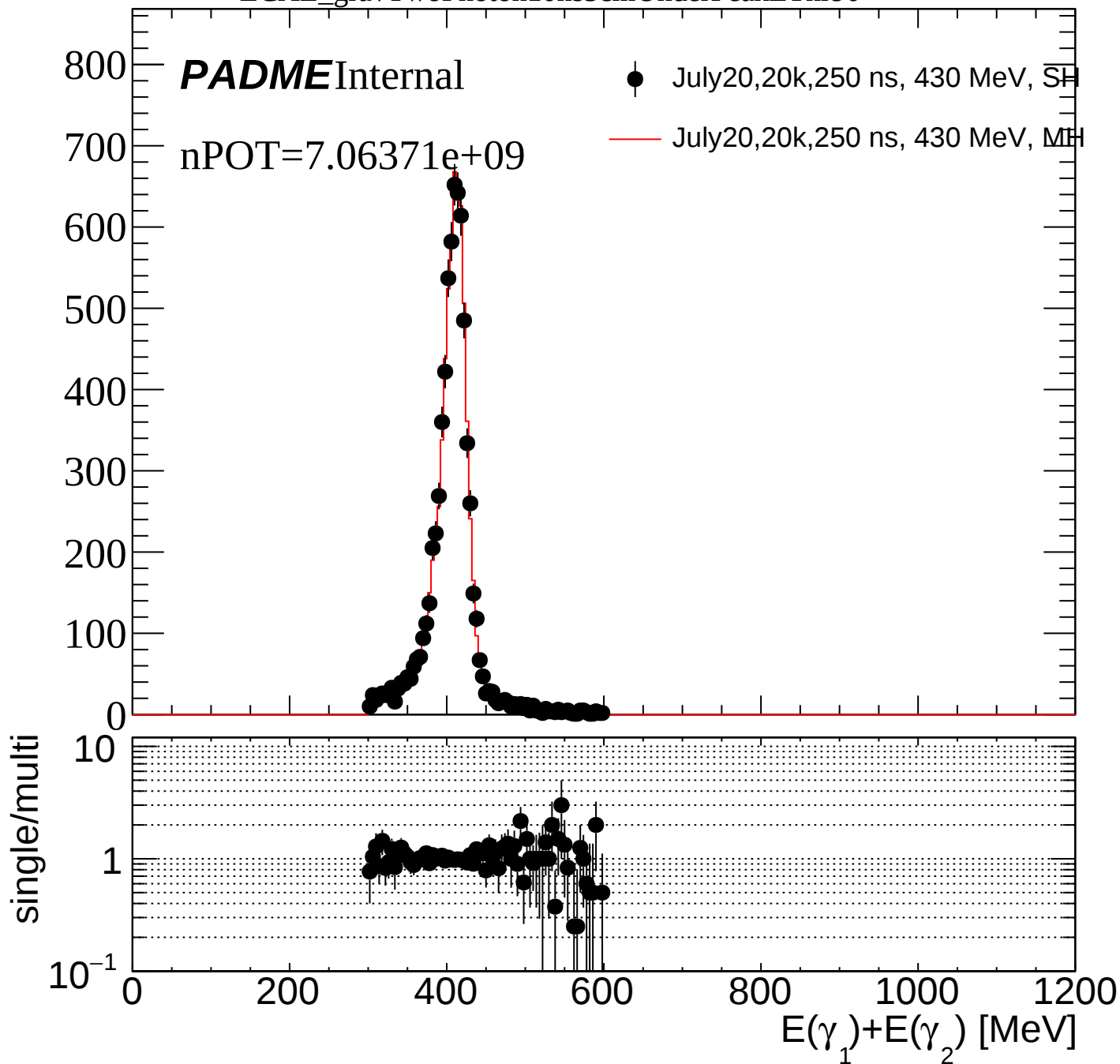


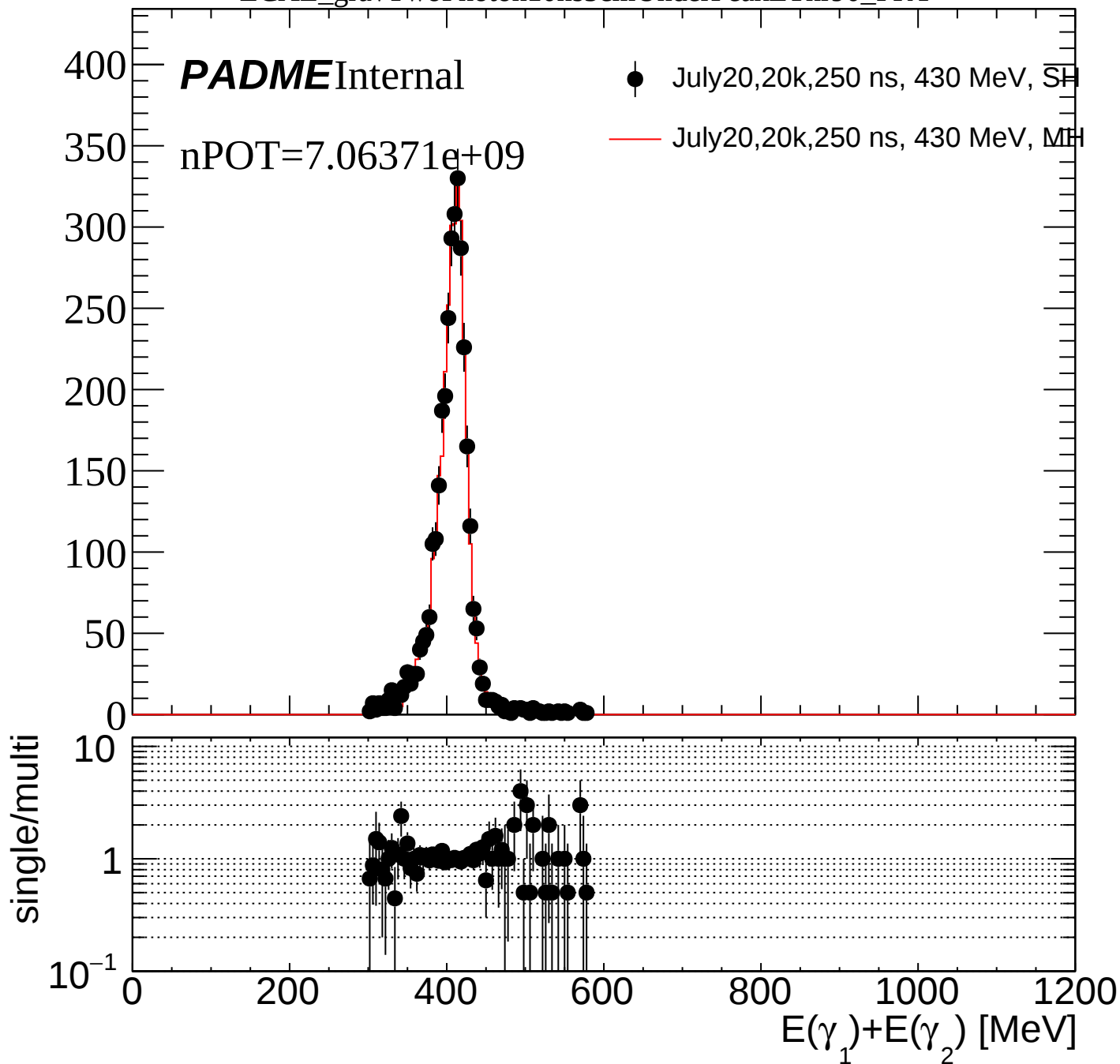


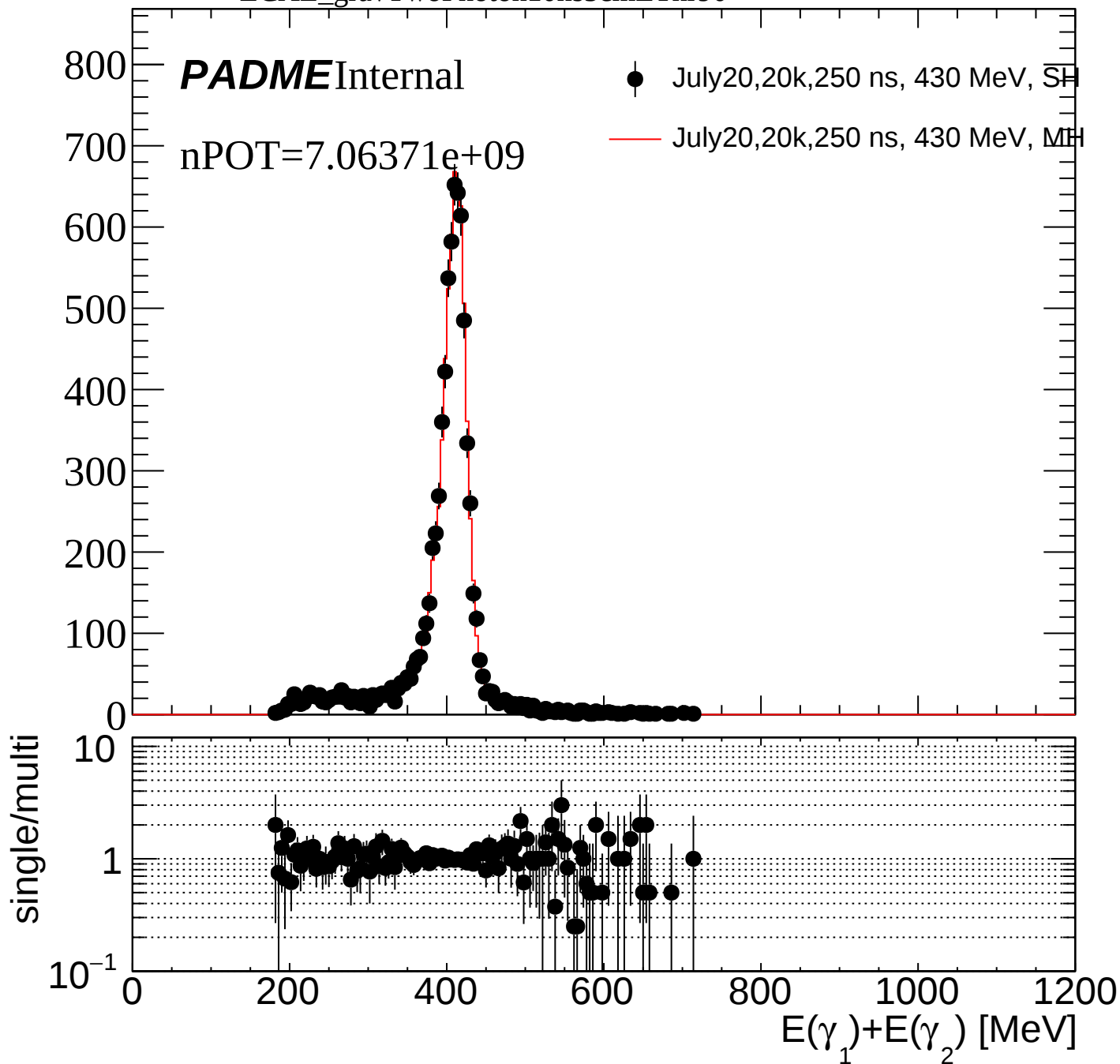
ECAL_gravTwoPhoton10ns5cm

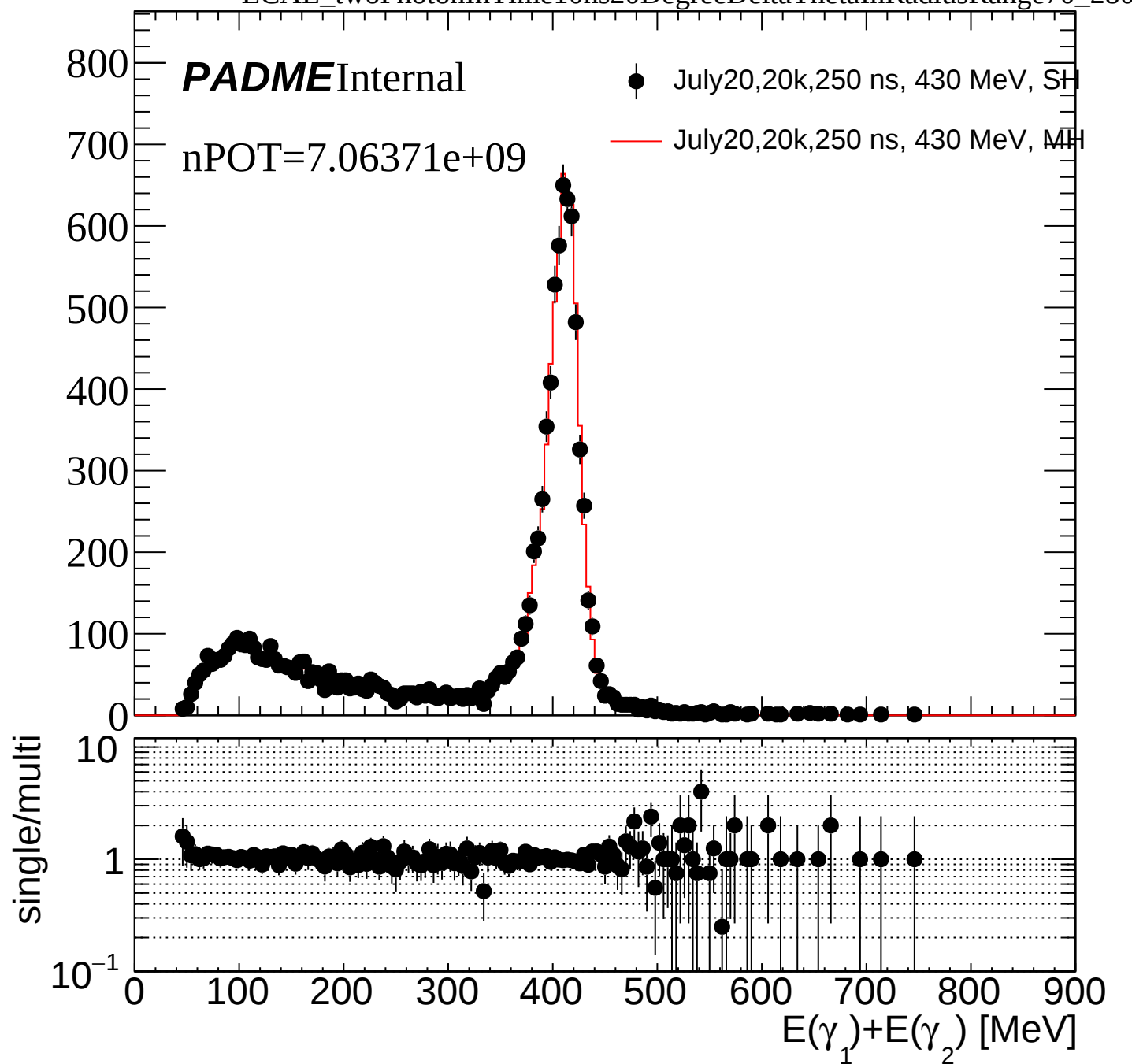


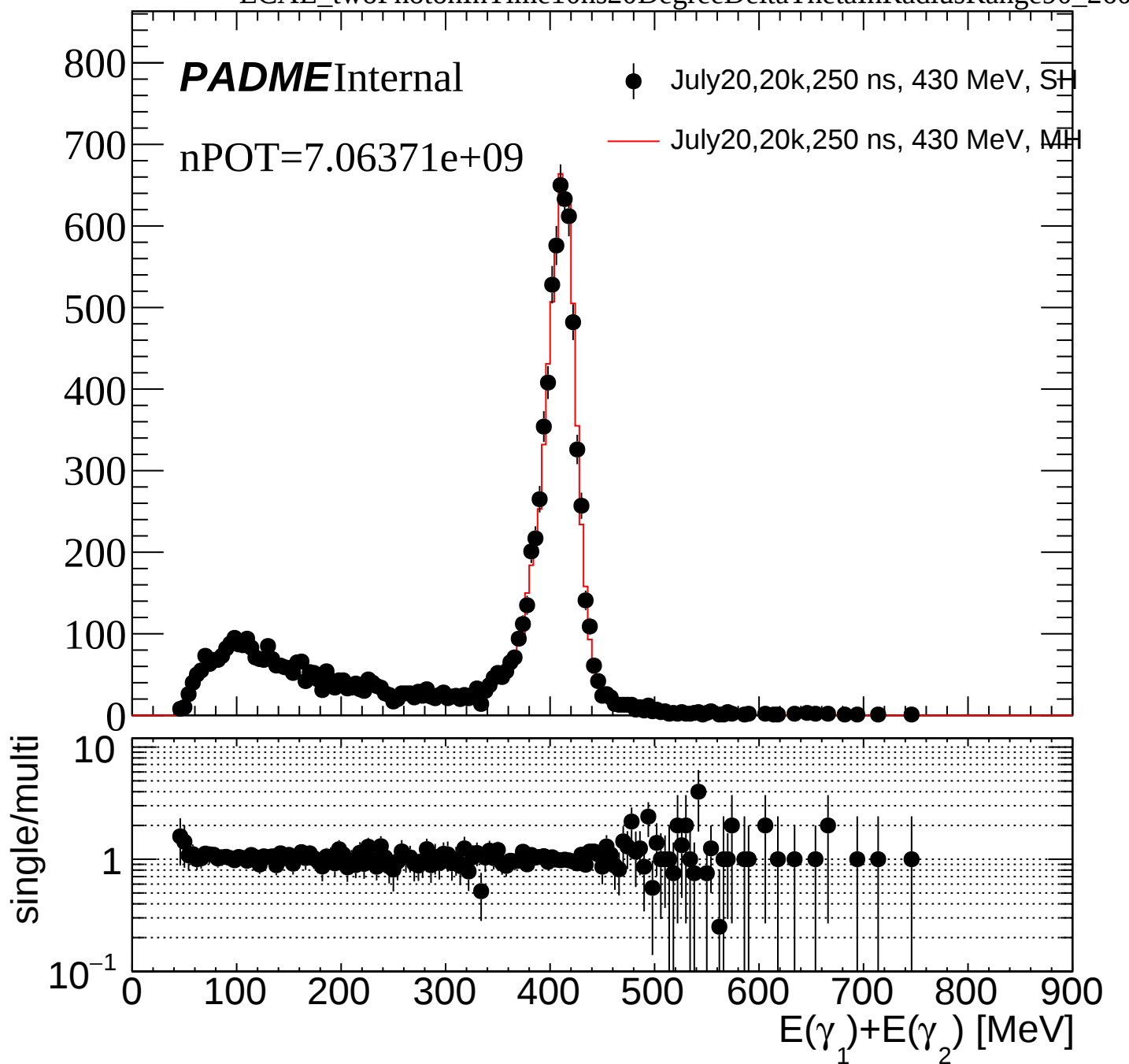


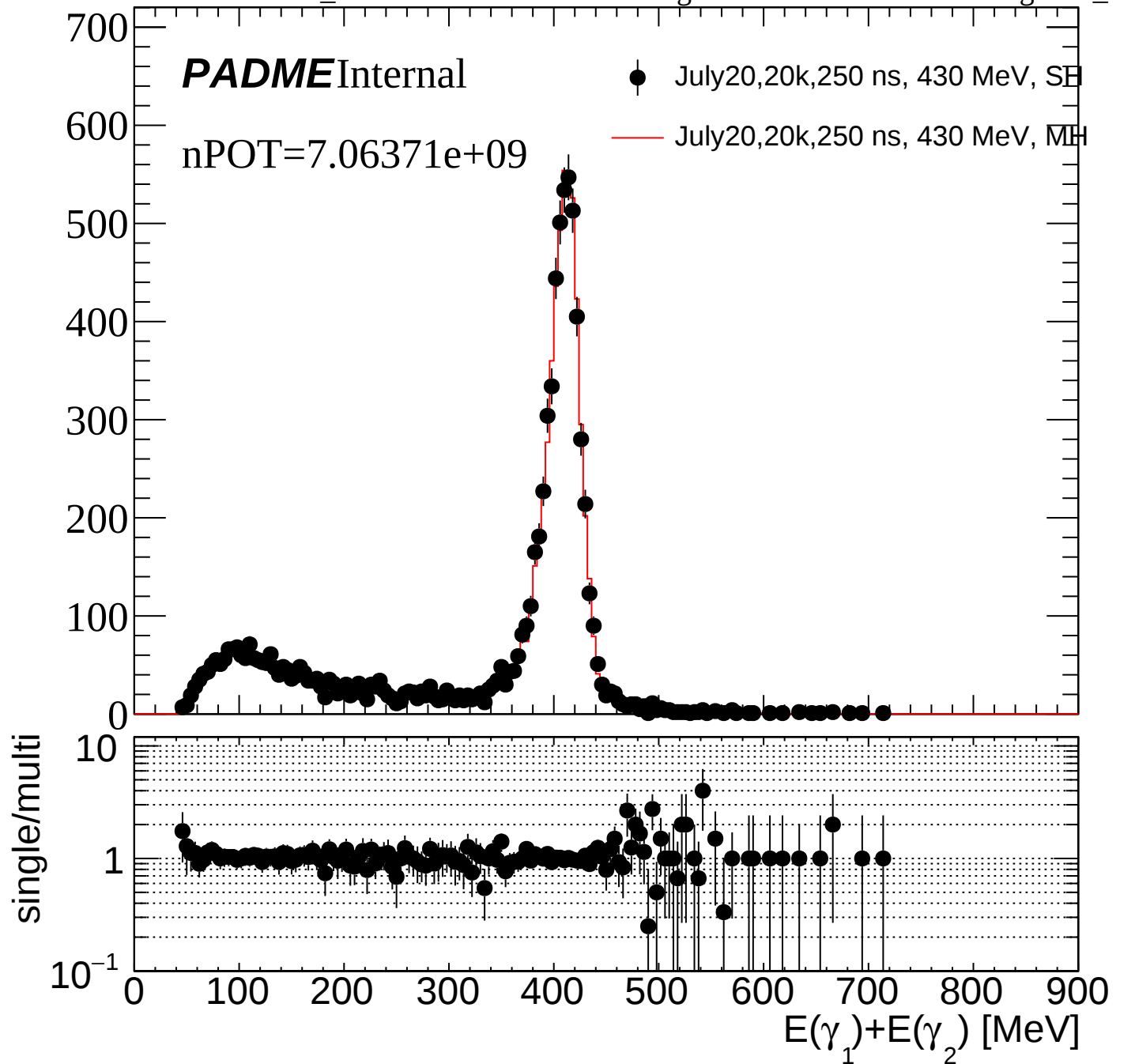


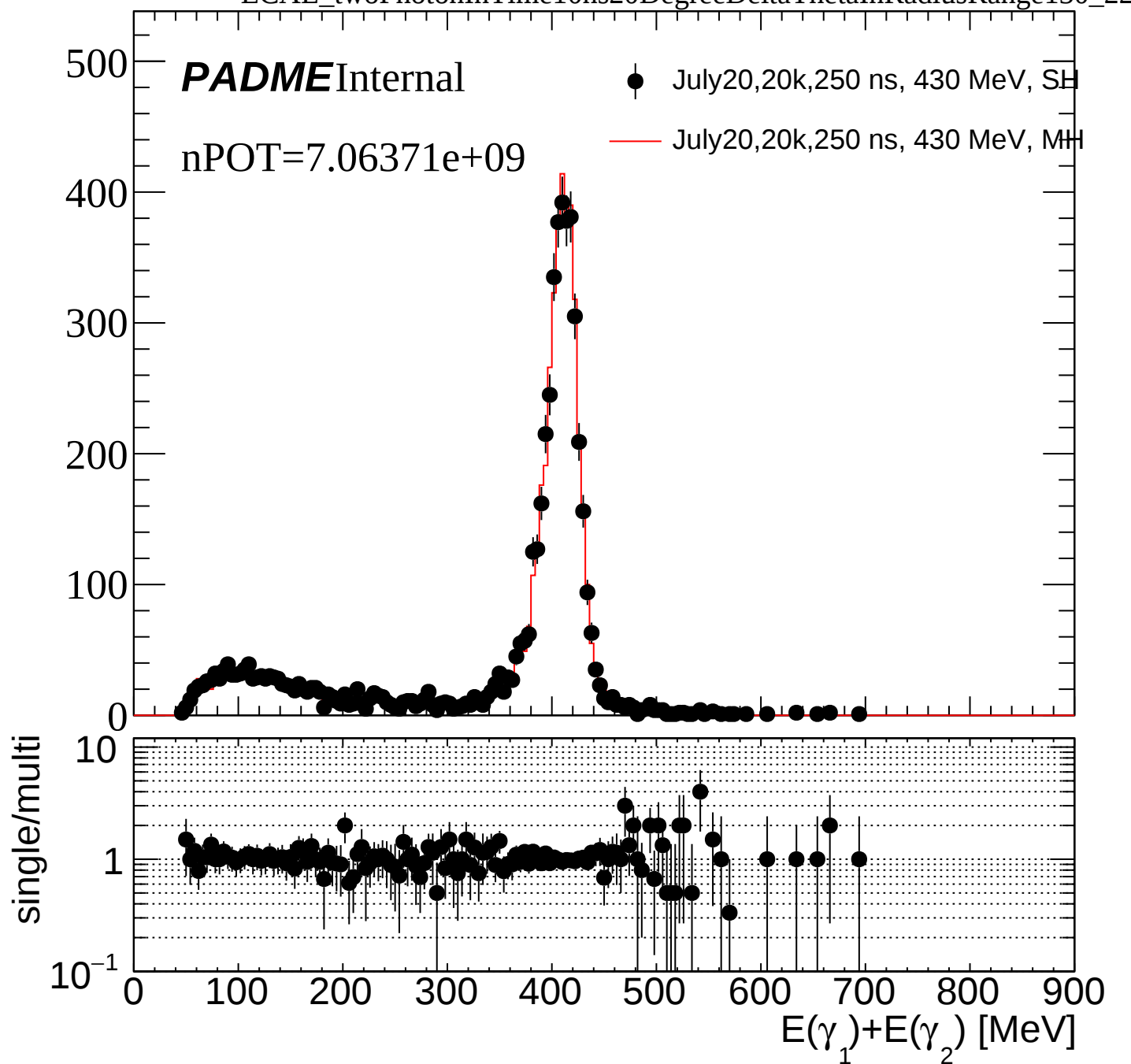


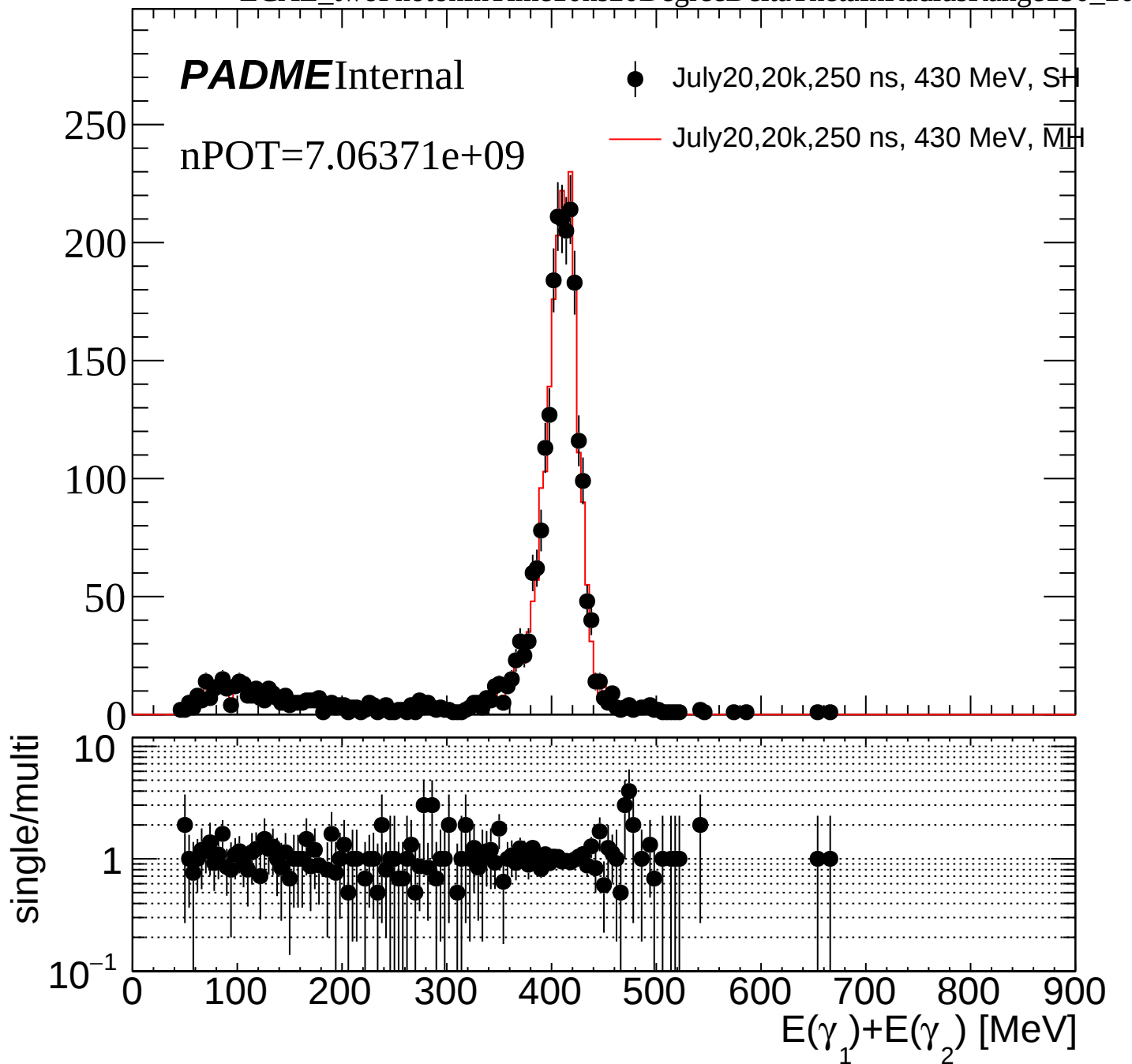


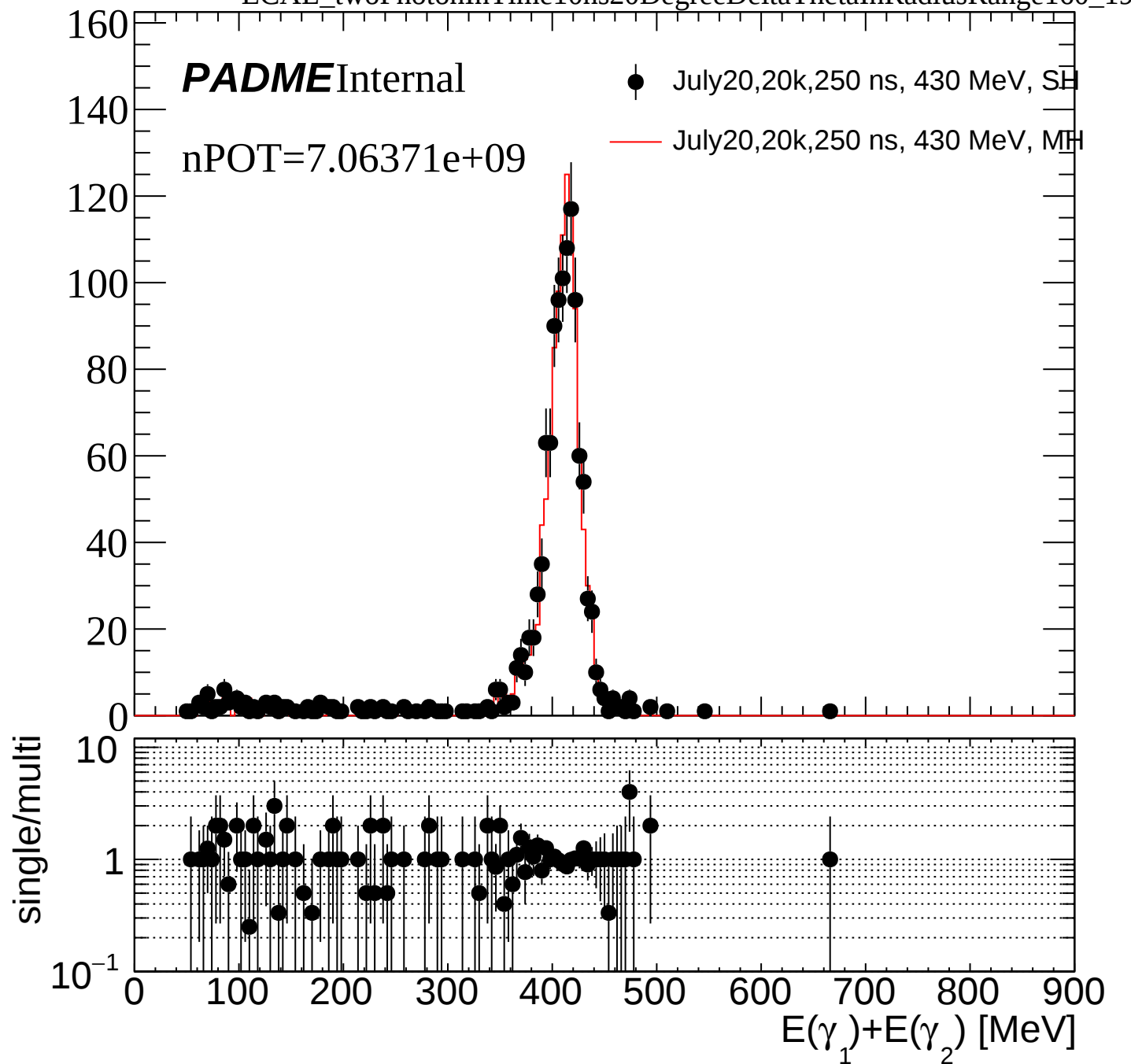


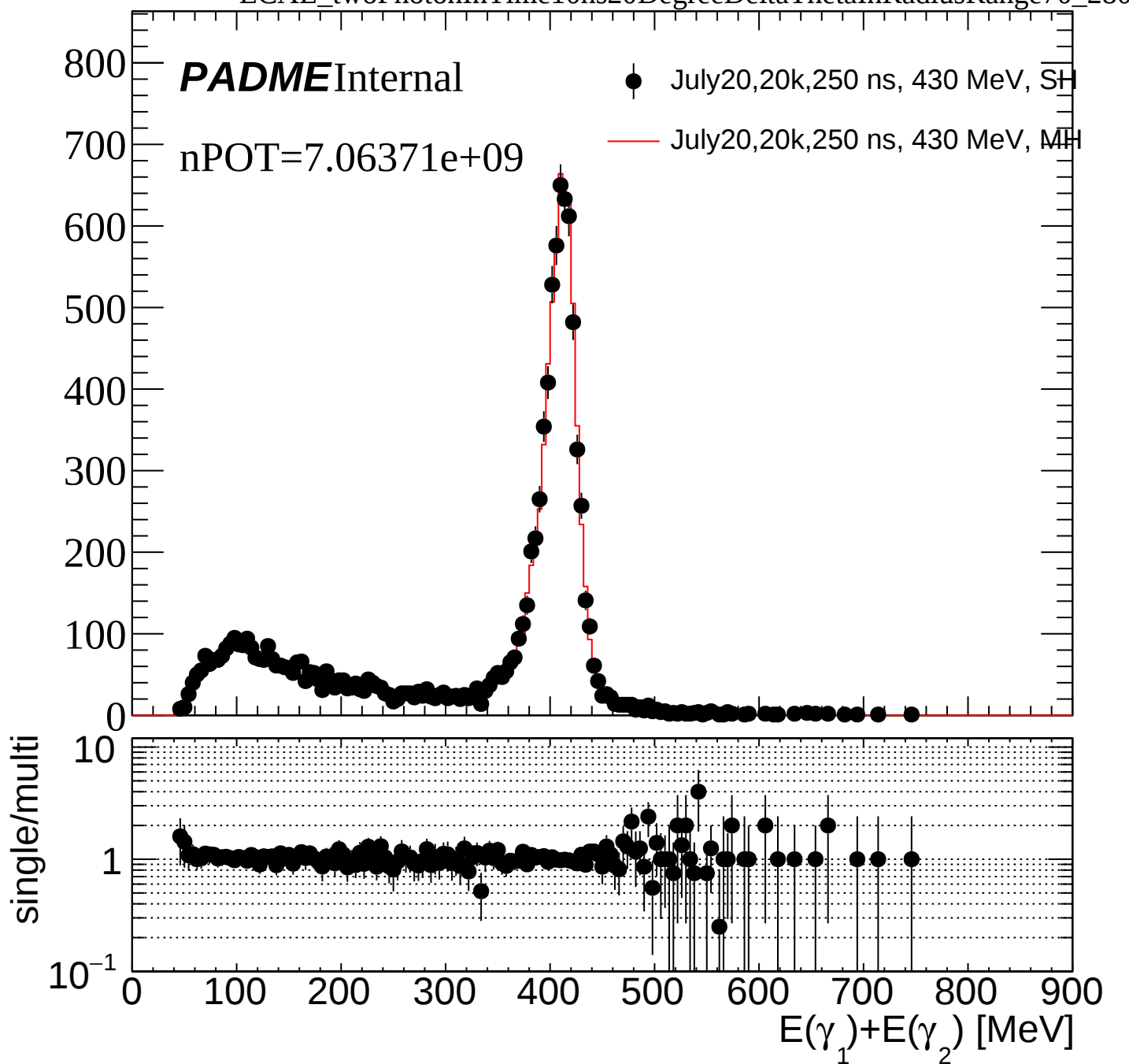


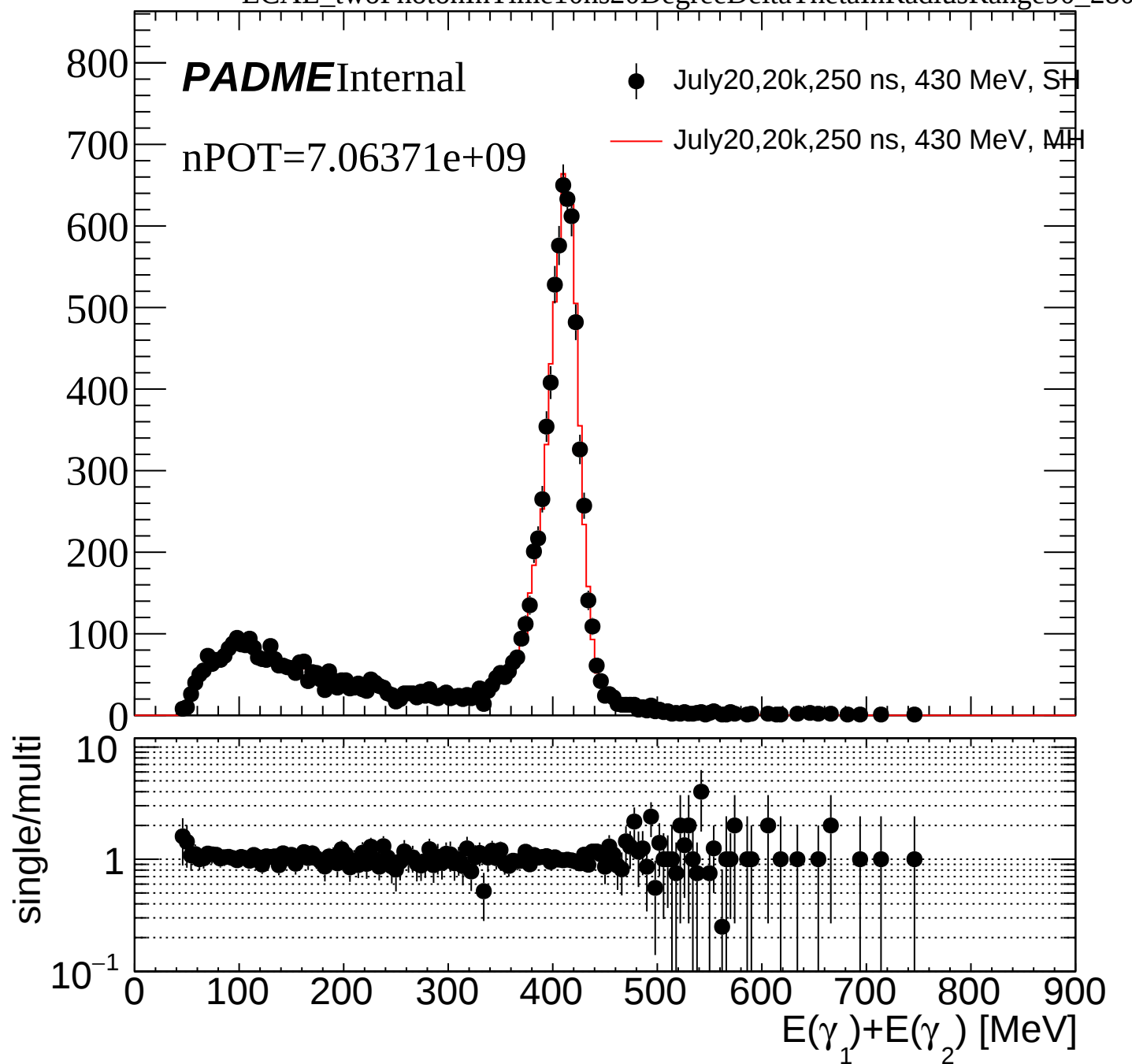


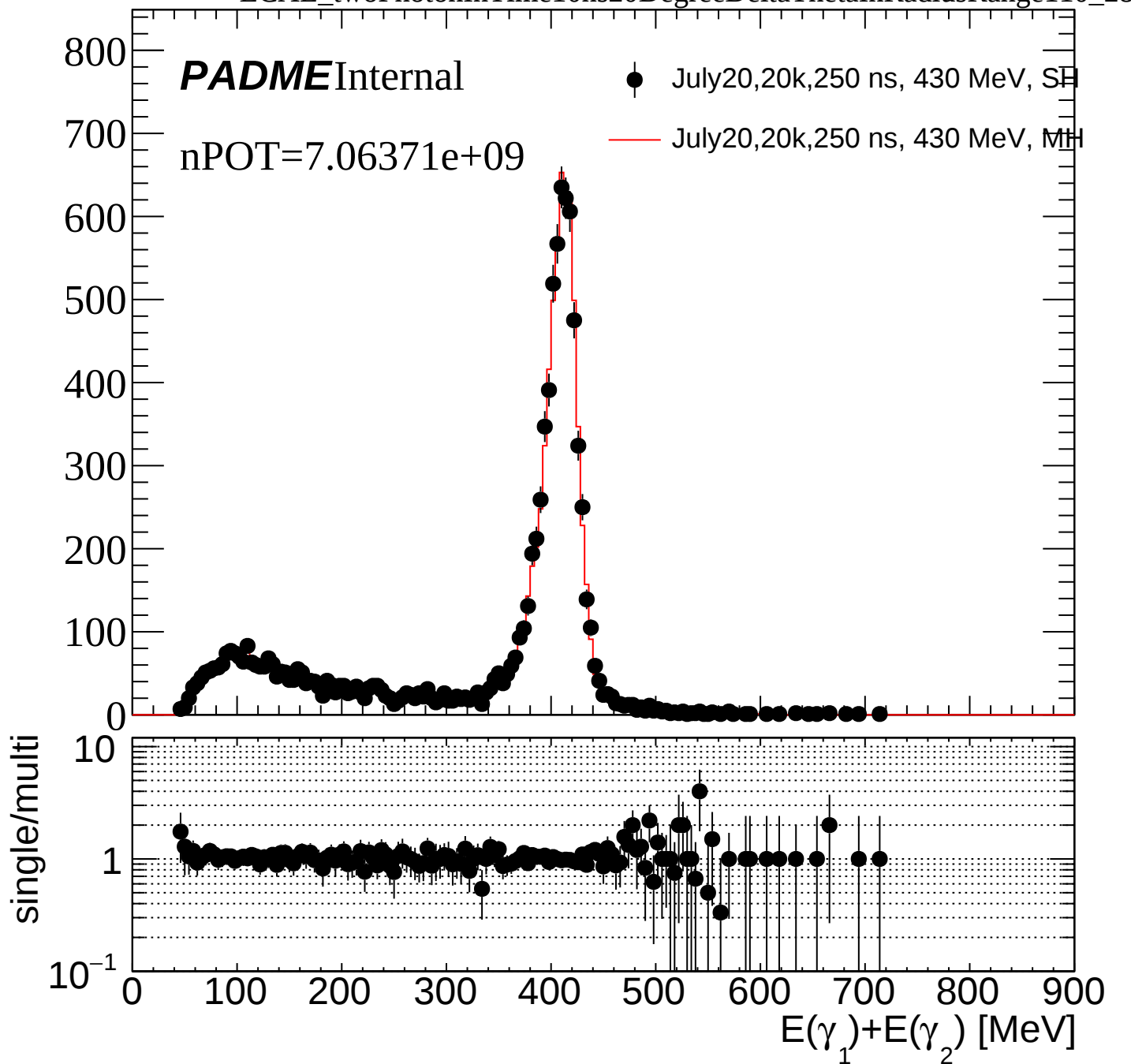


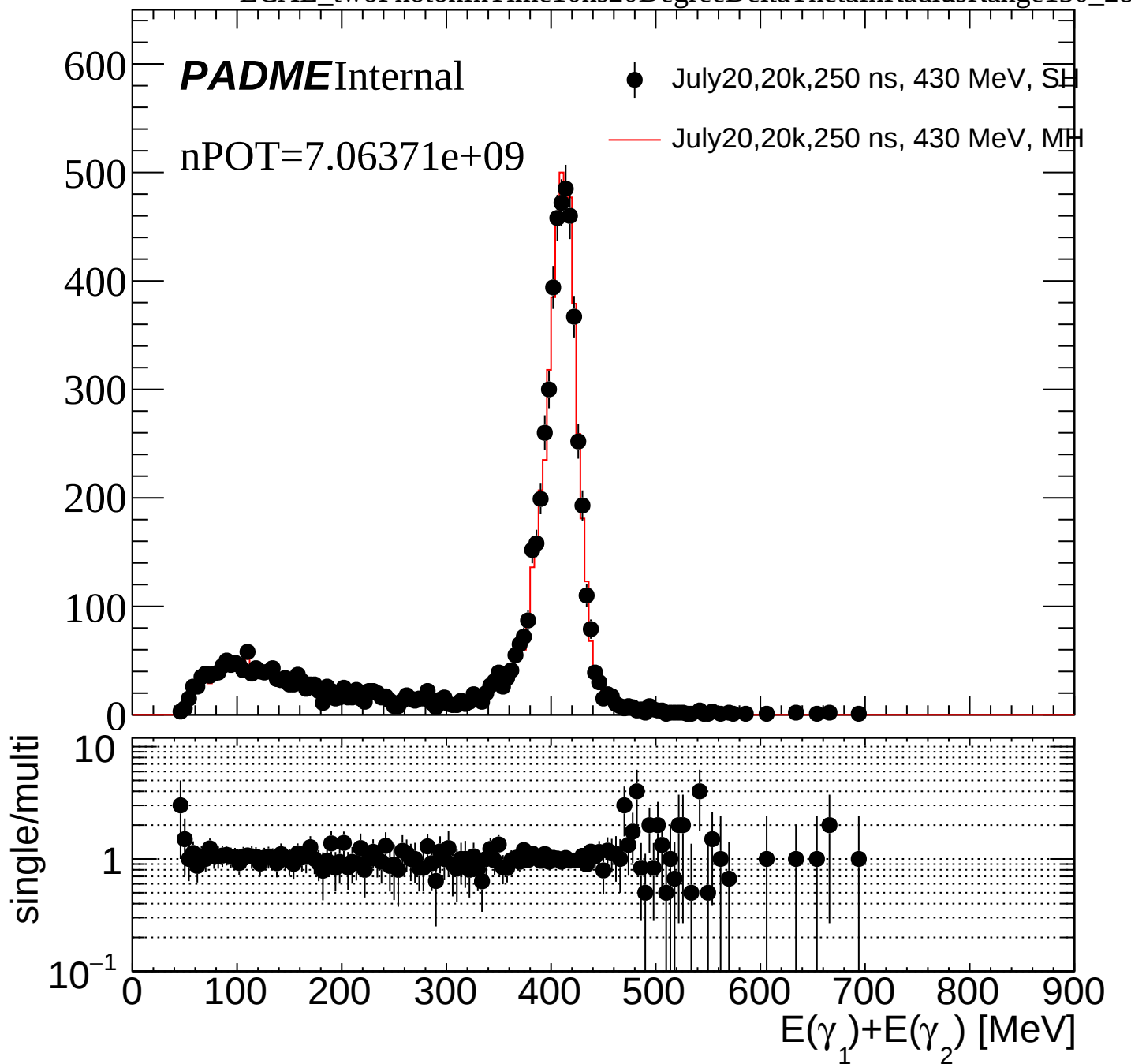


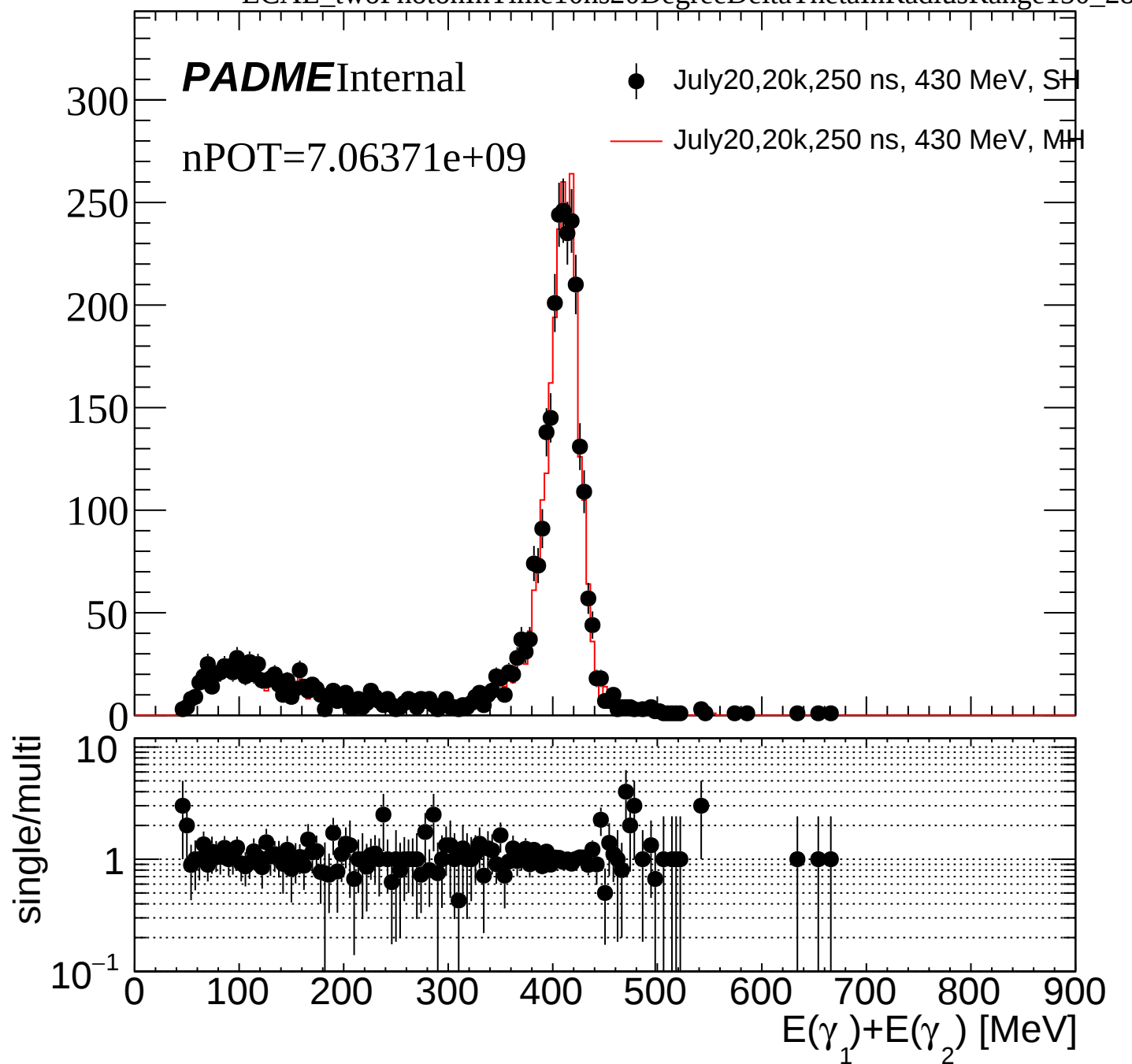


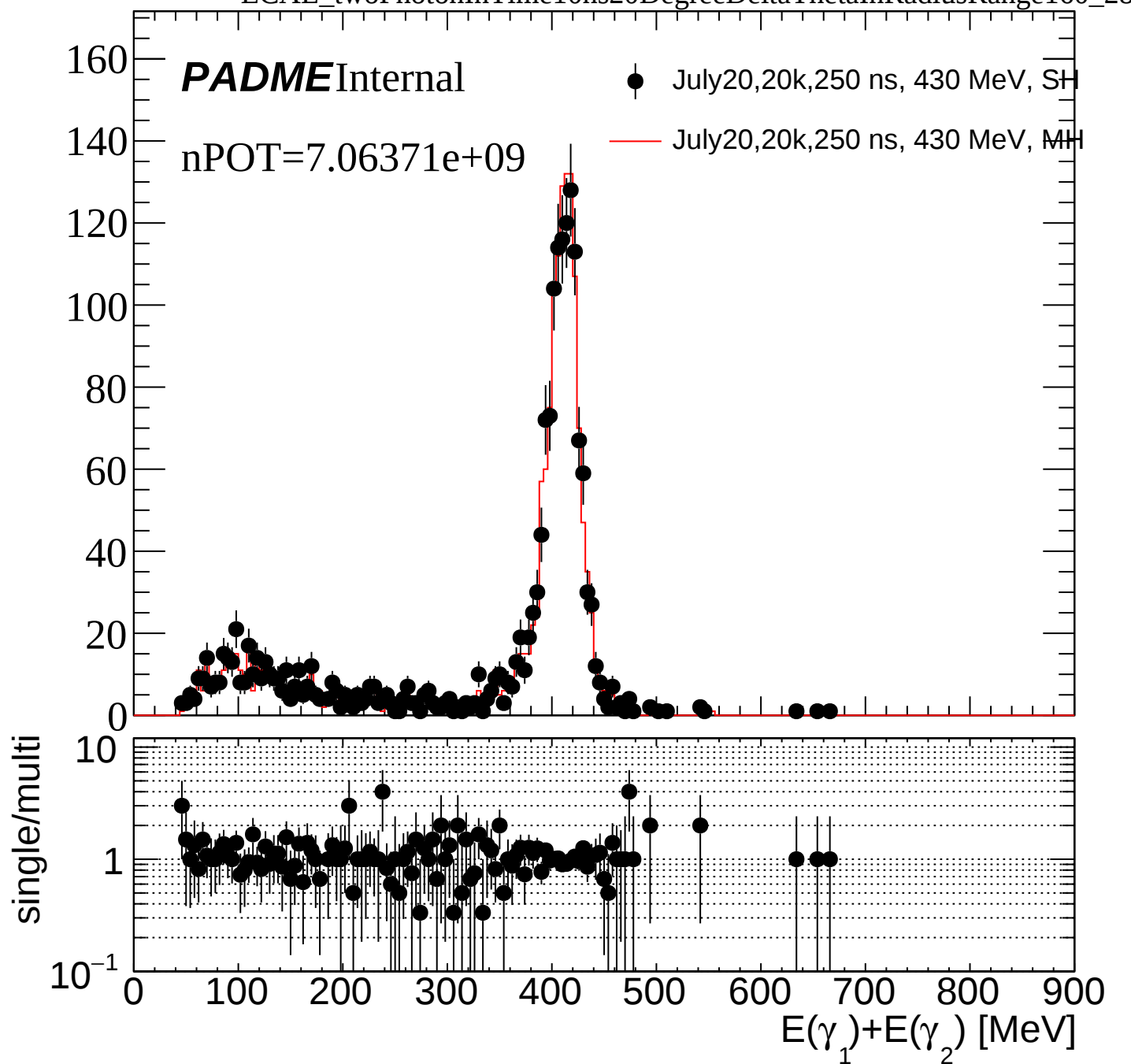


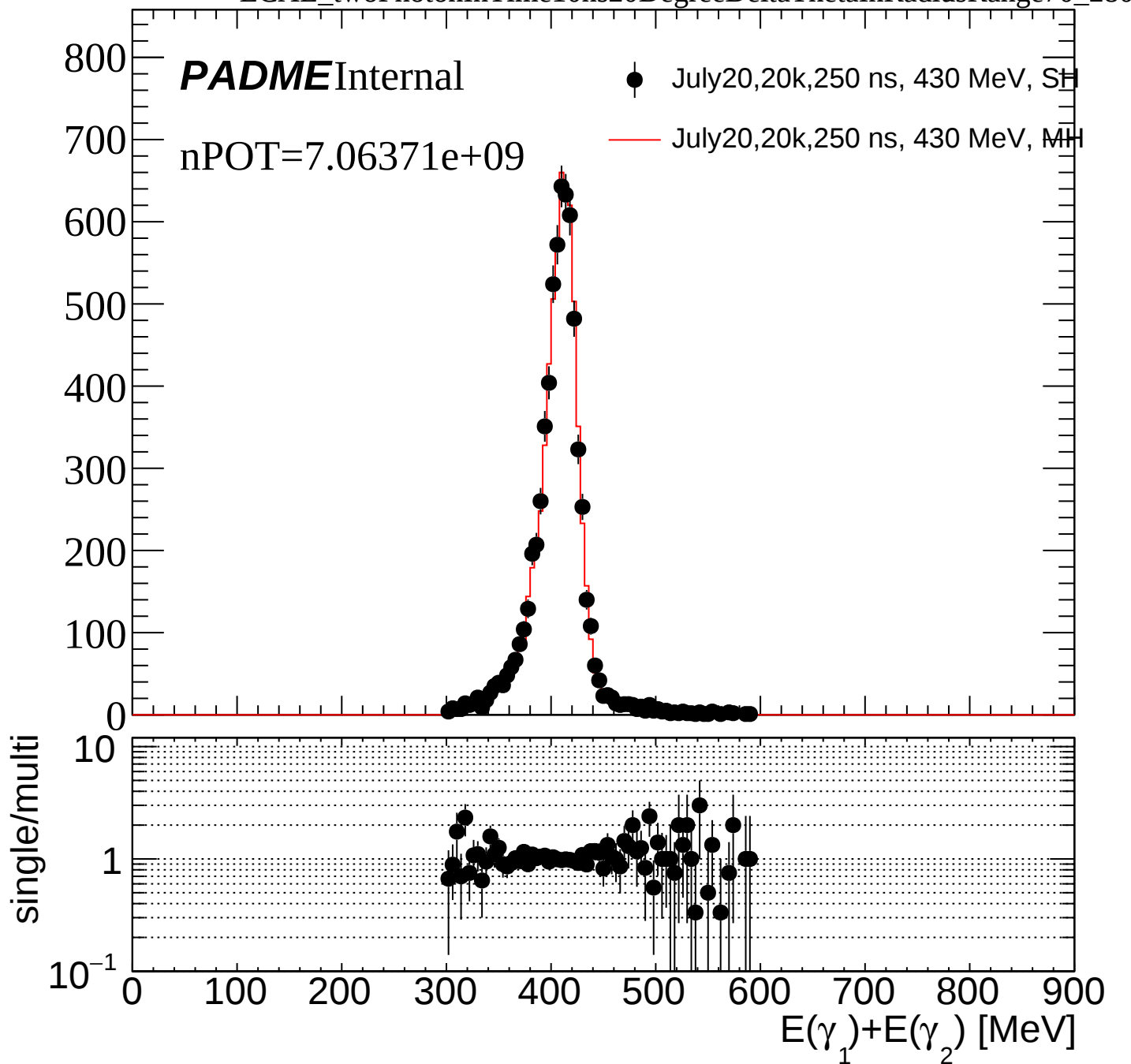


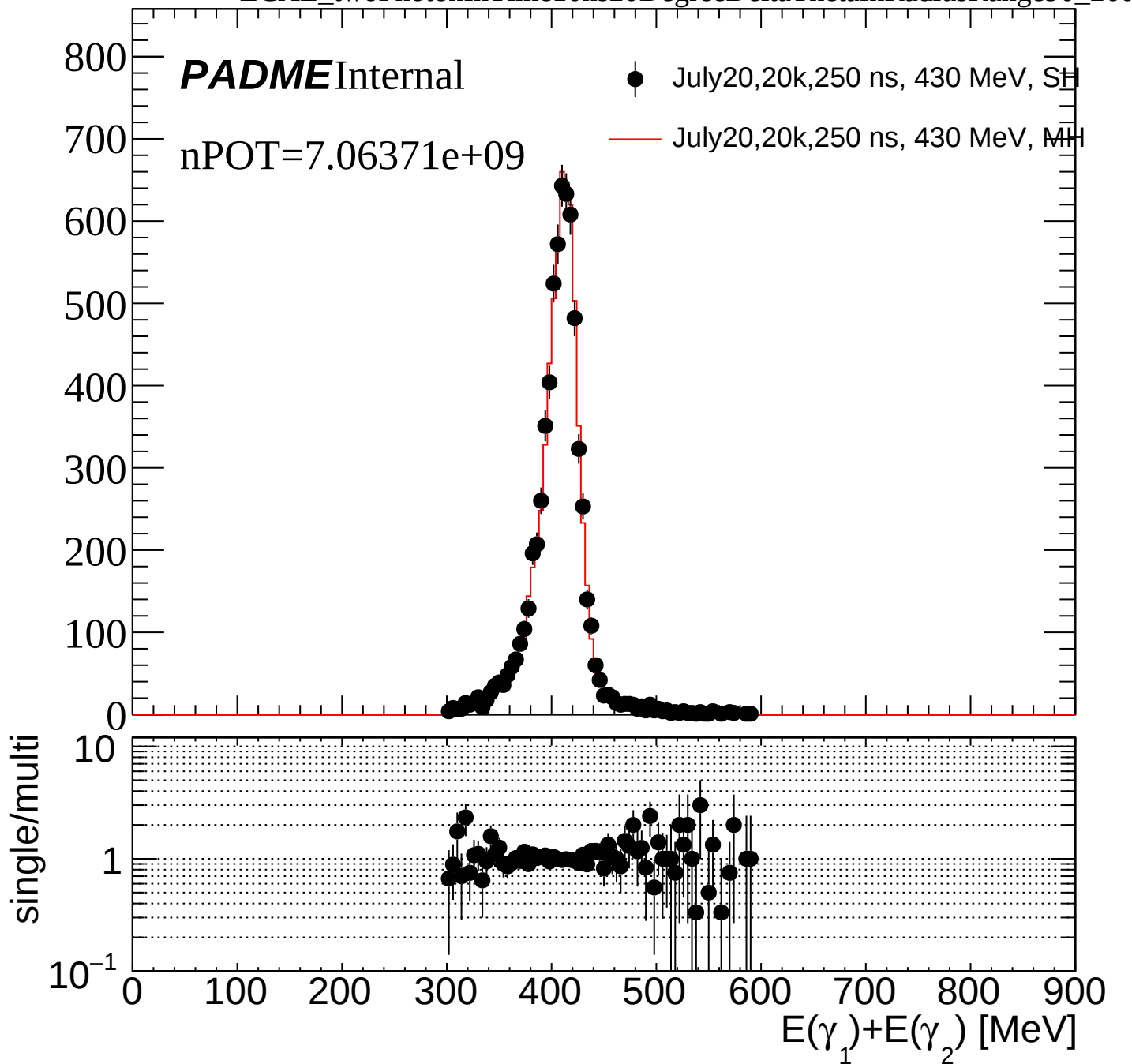


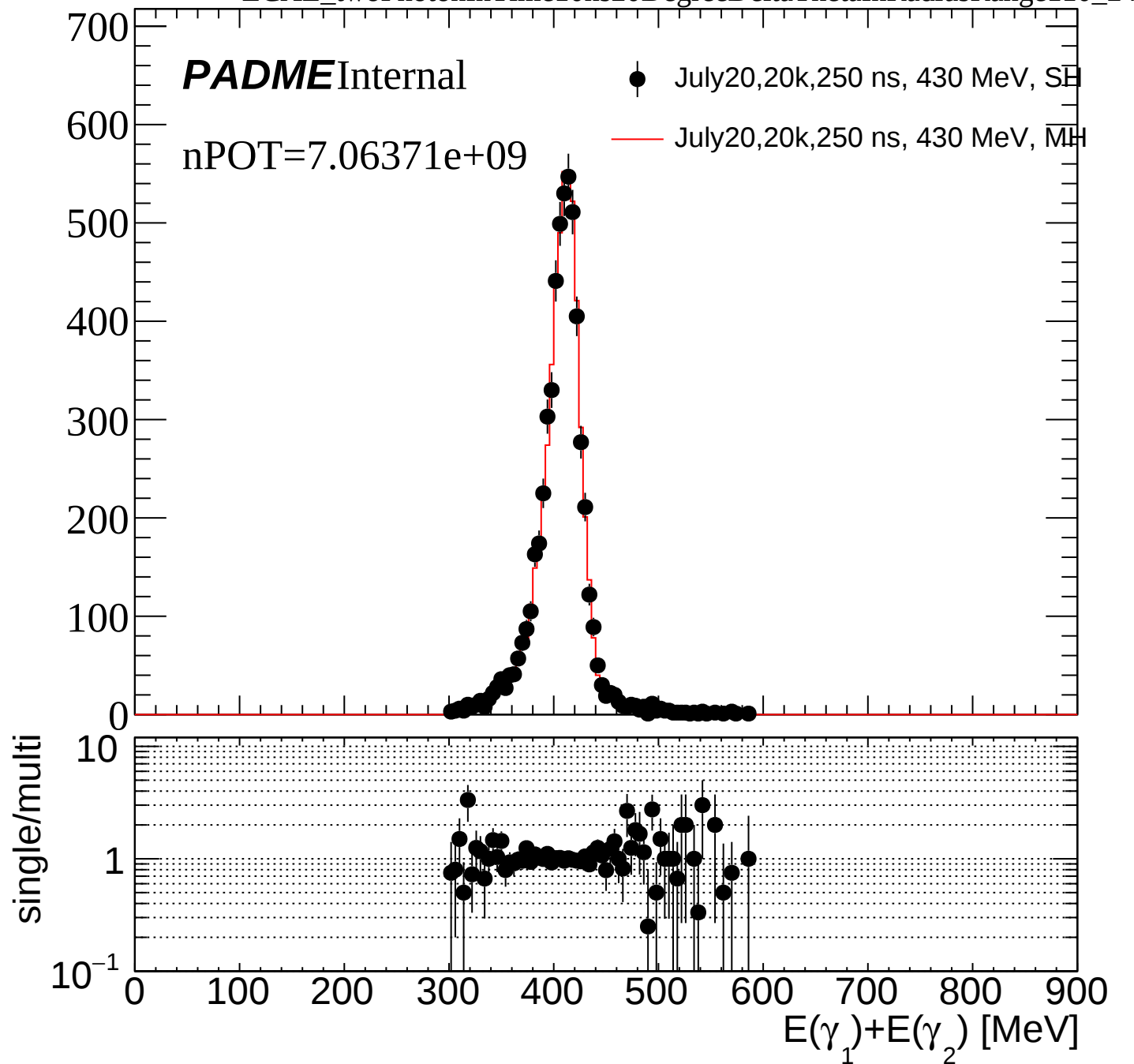


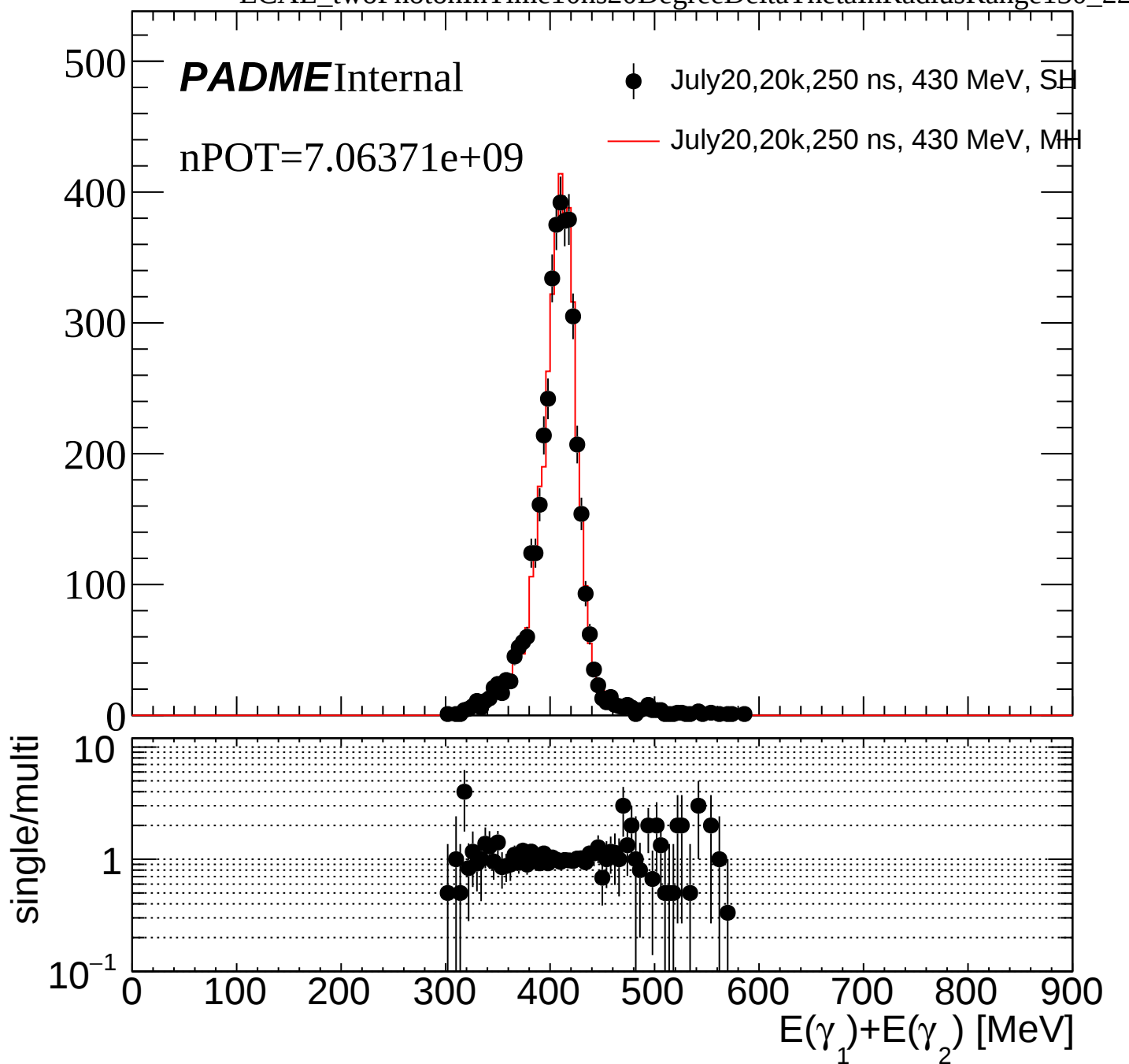


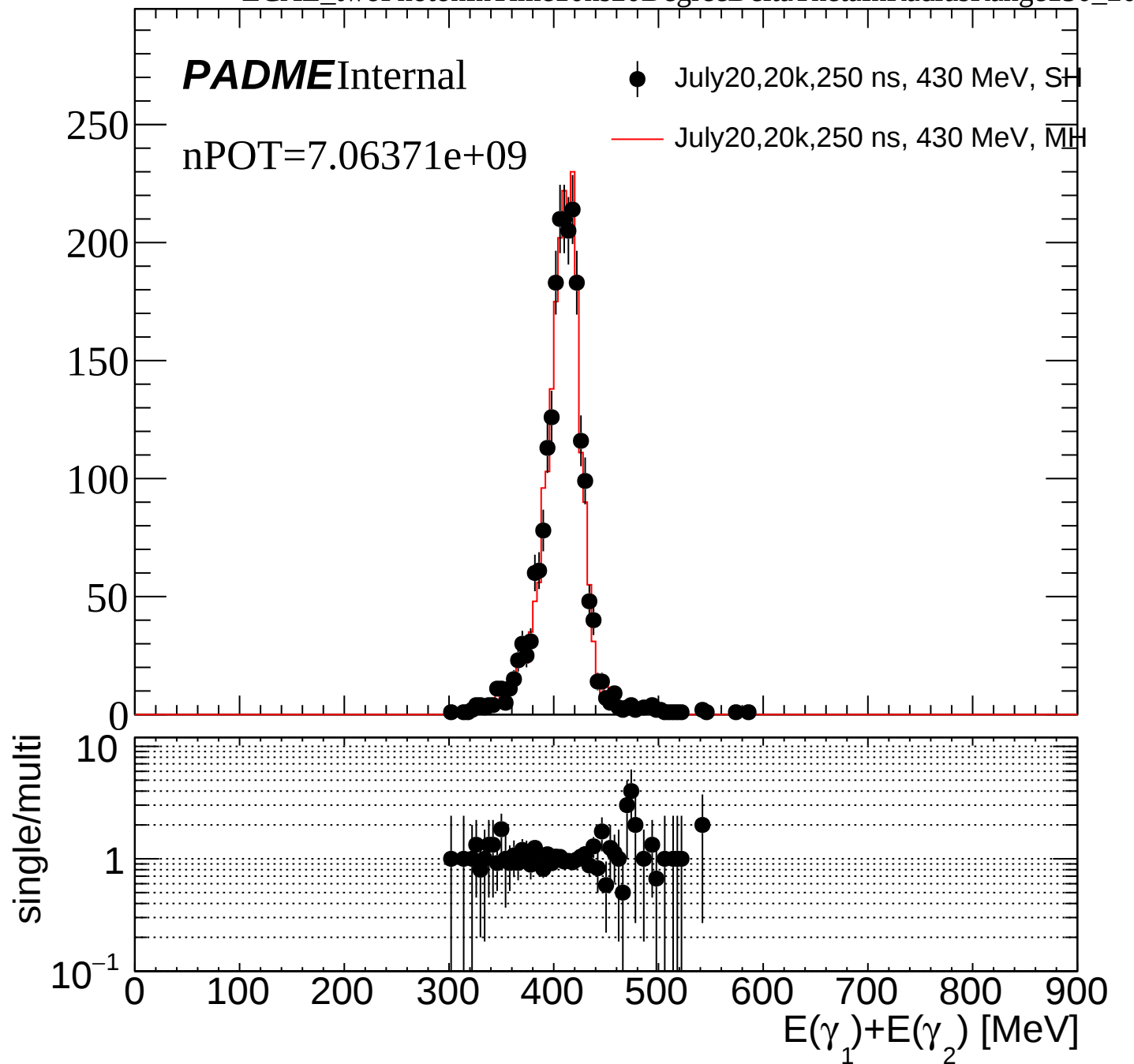


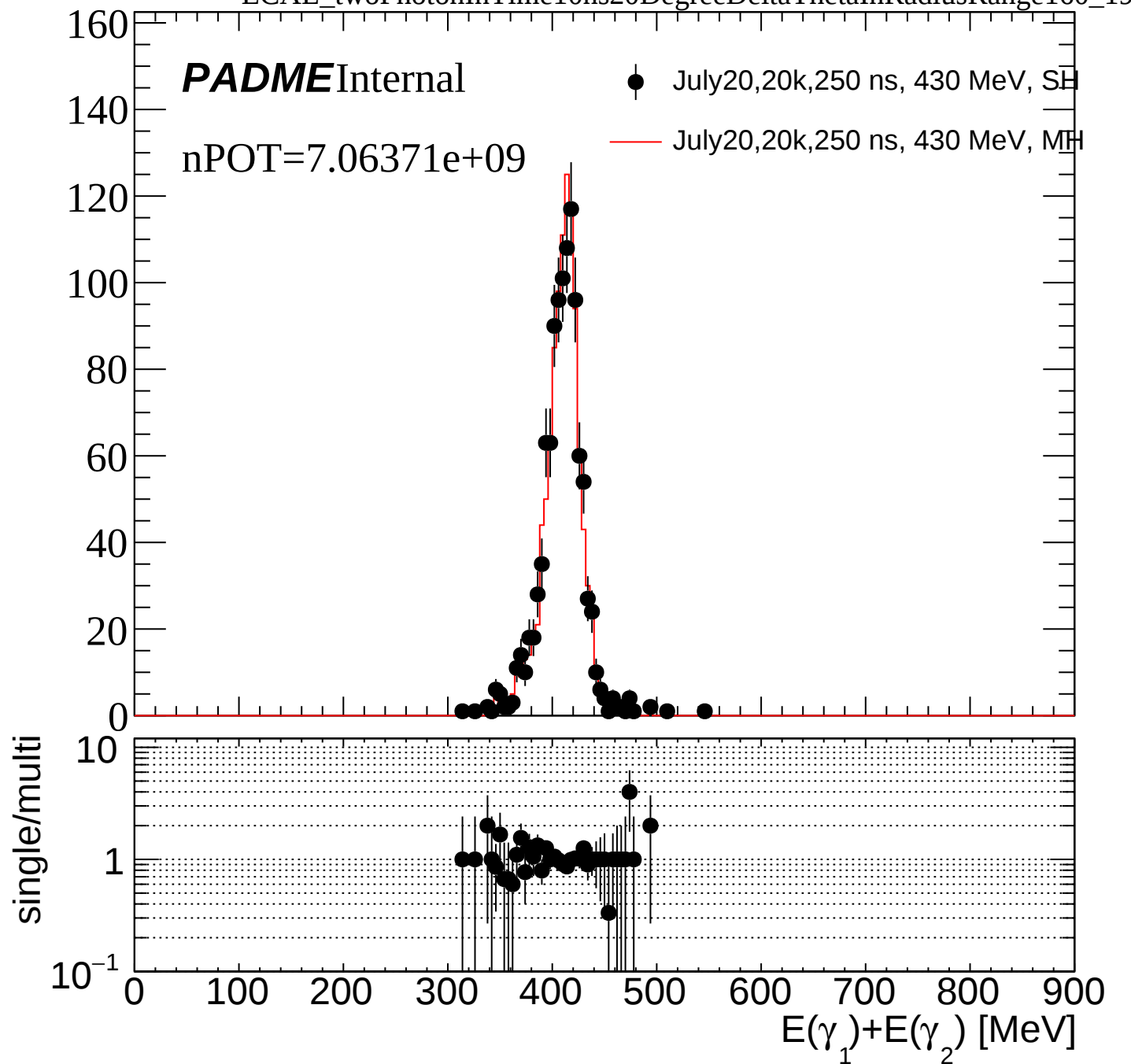


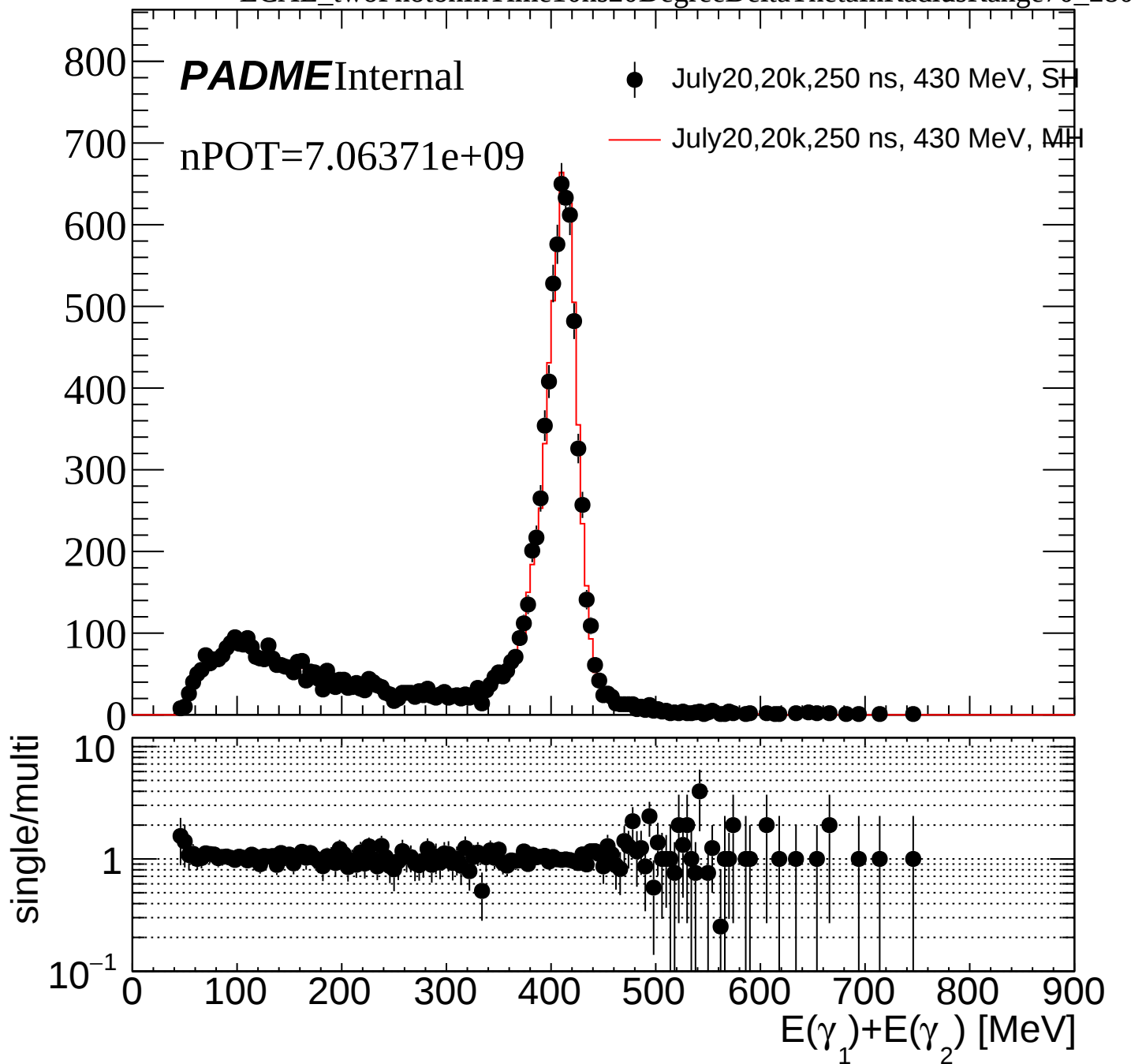


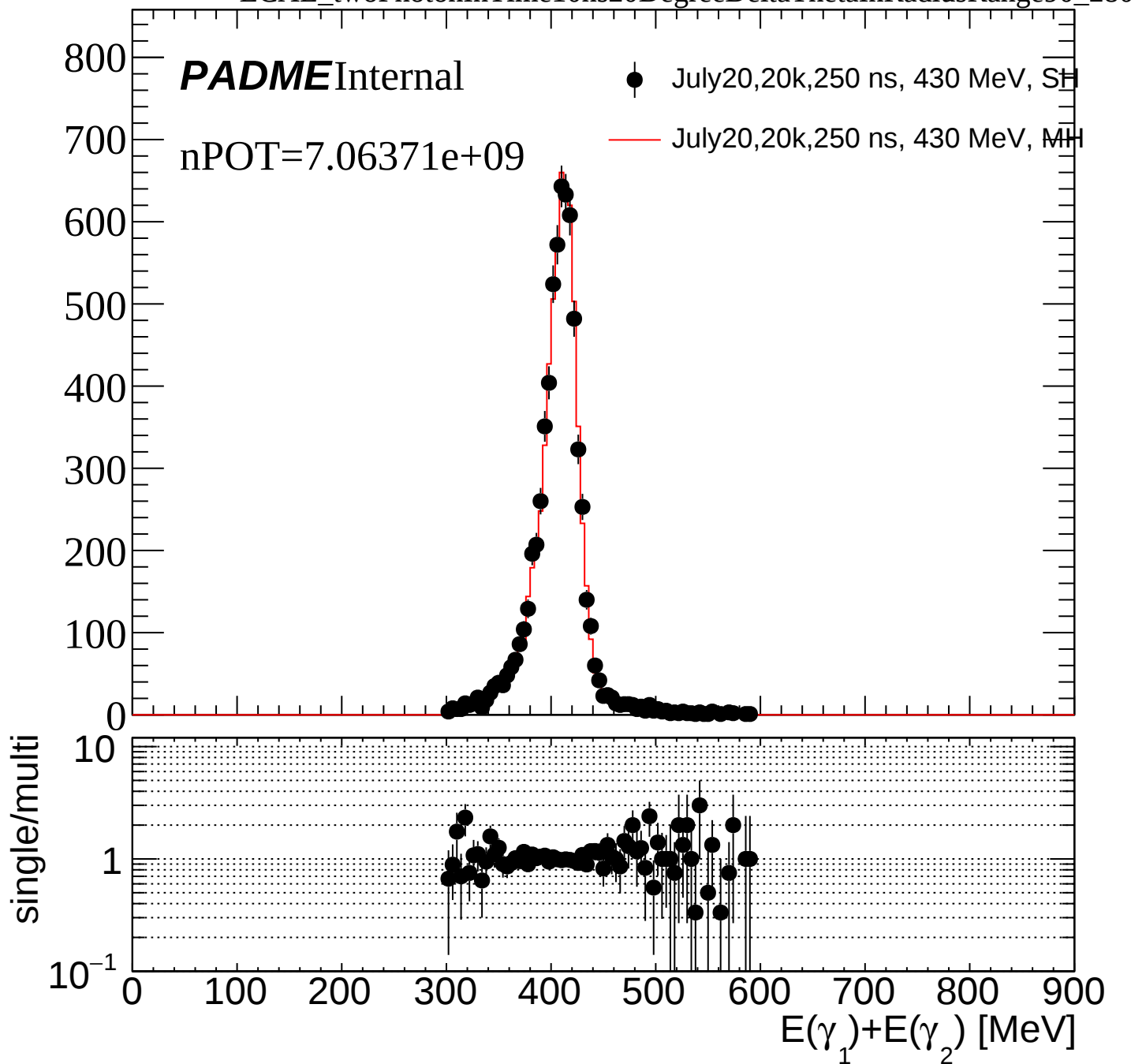


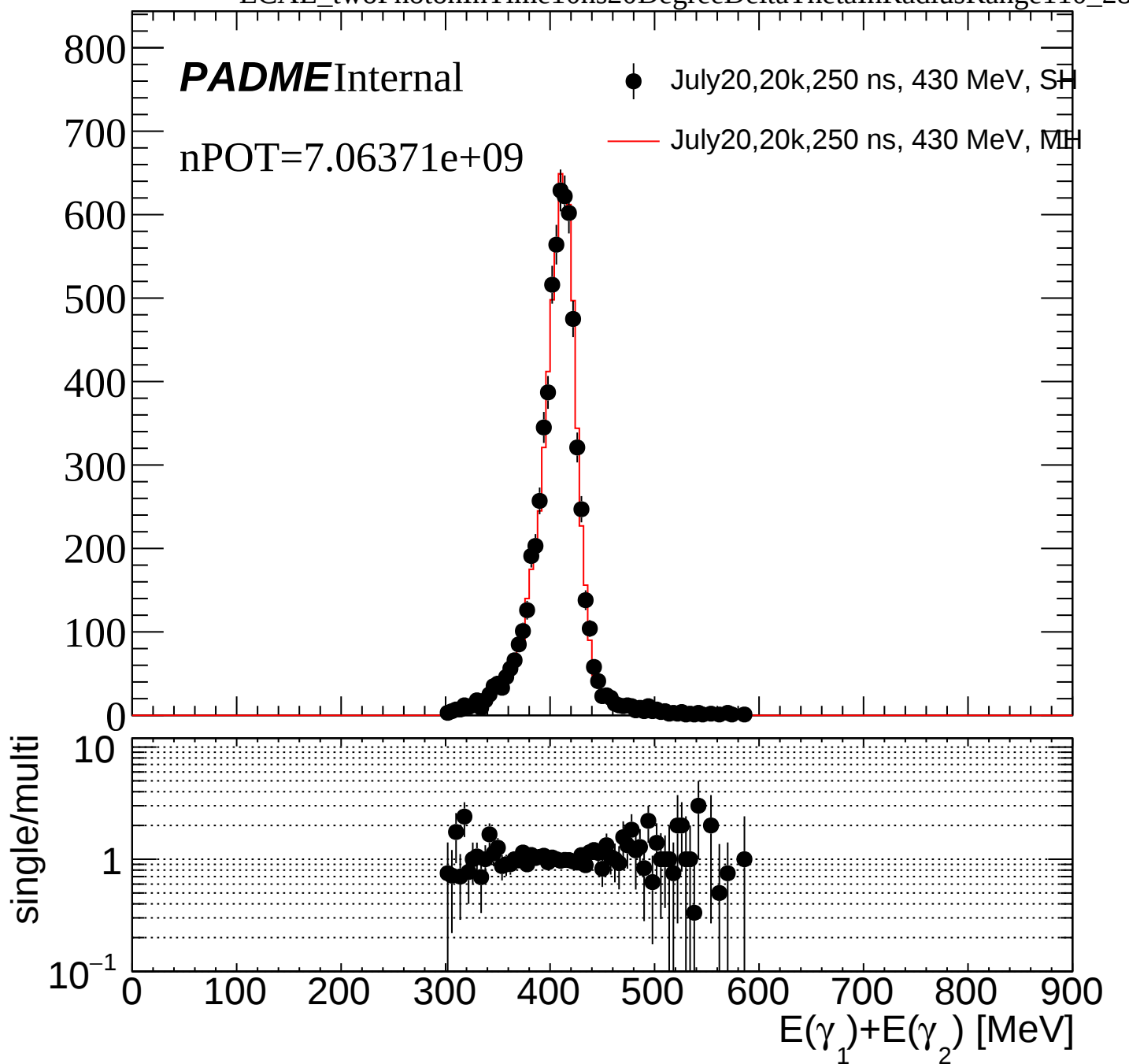


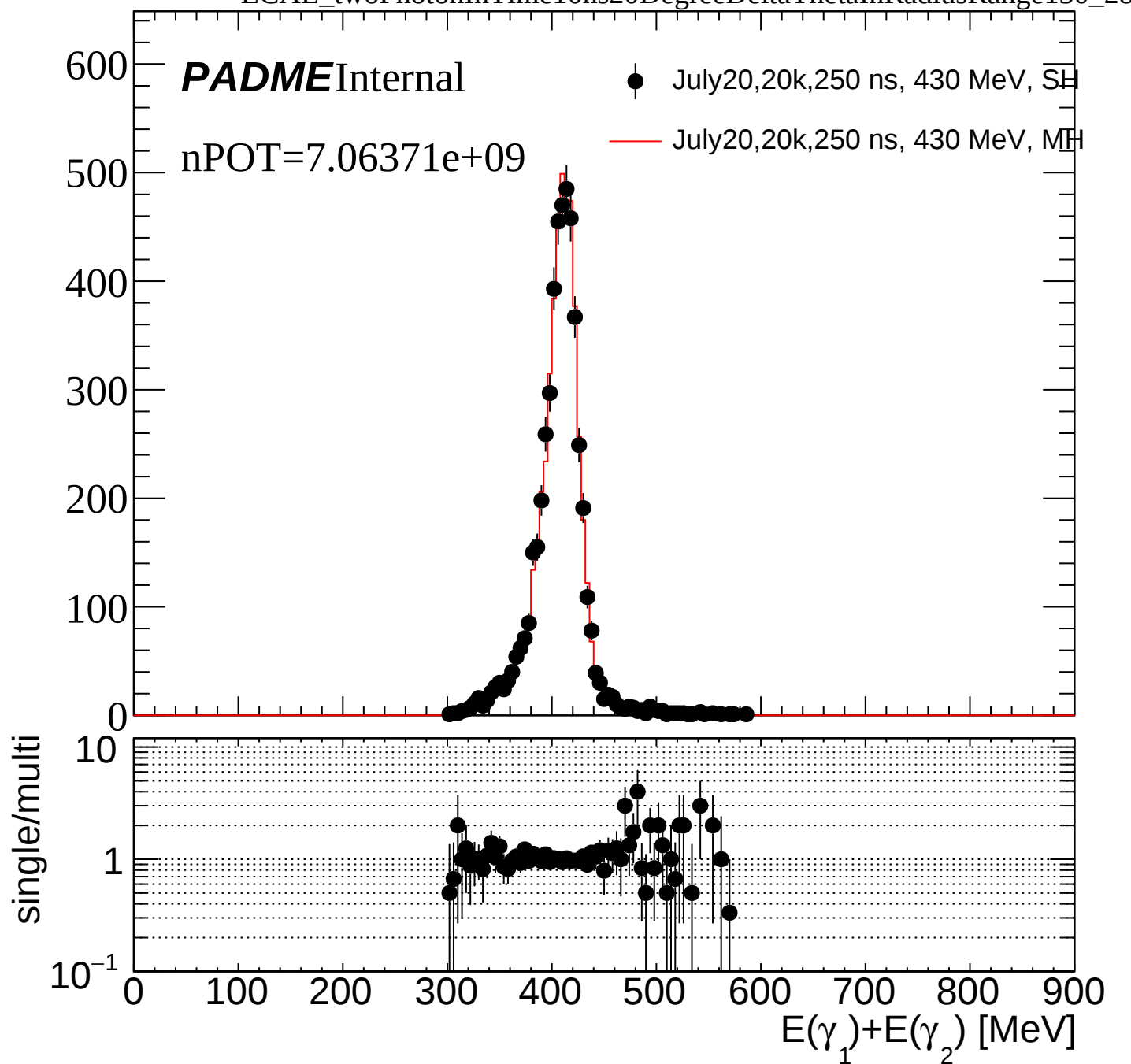


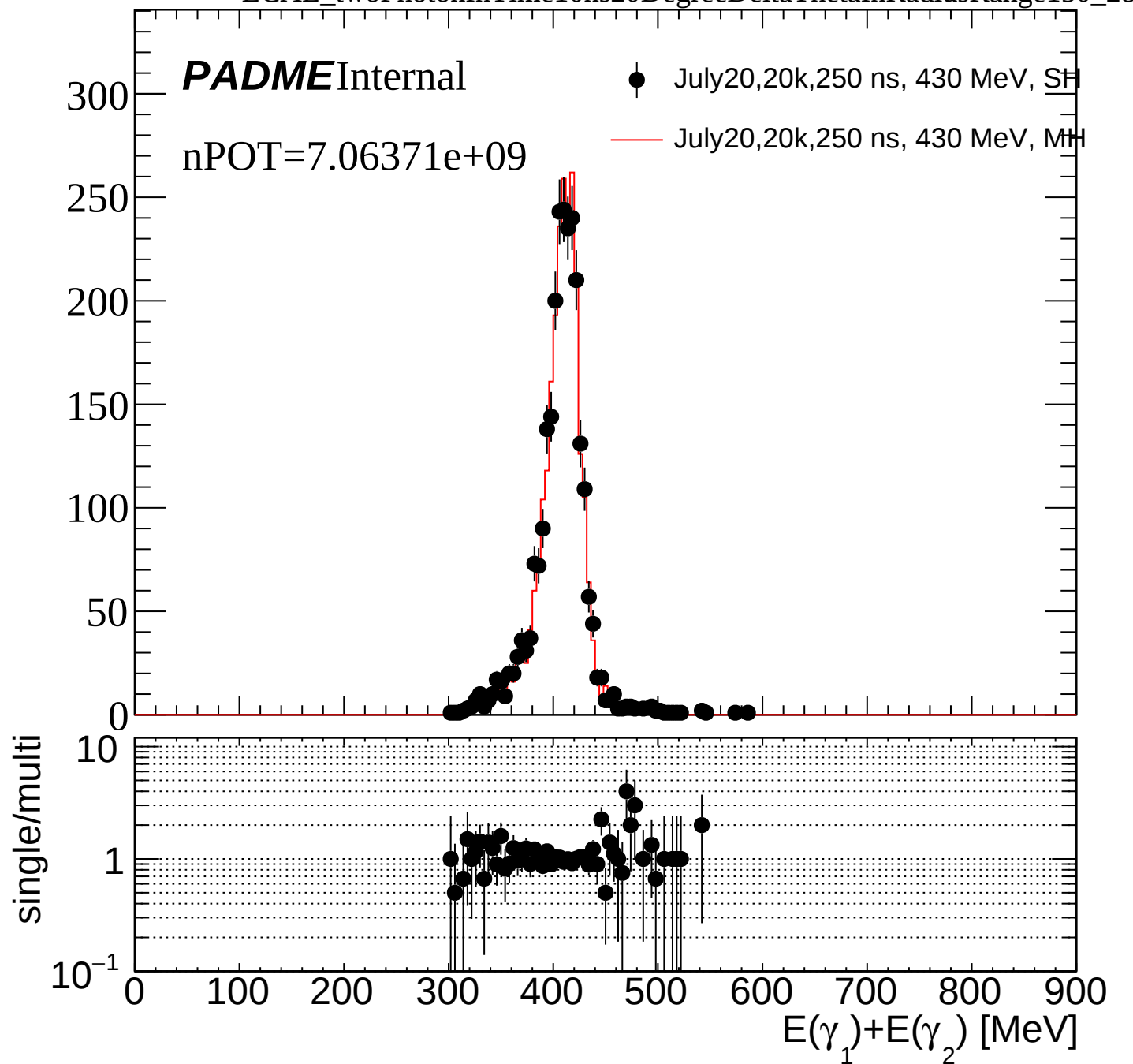


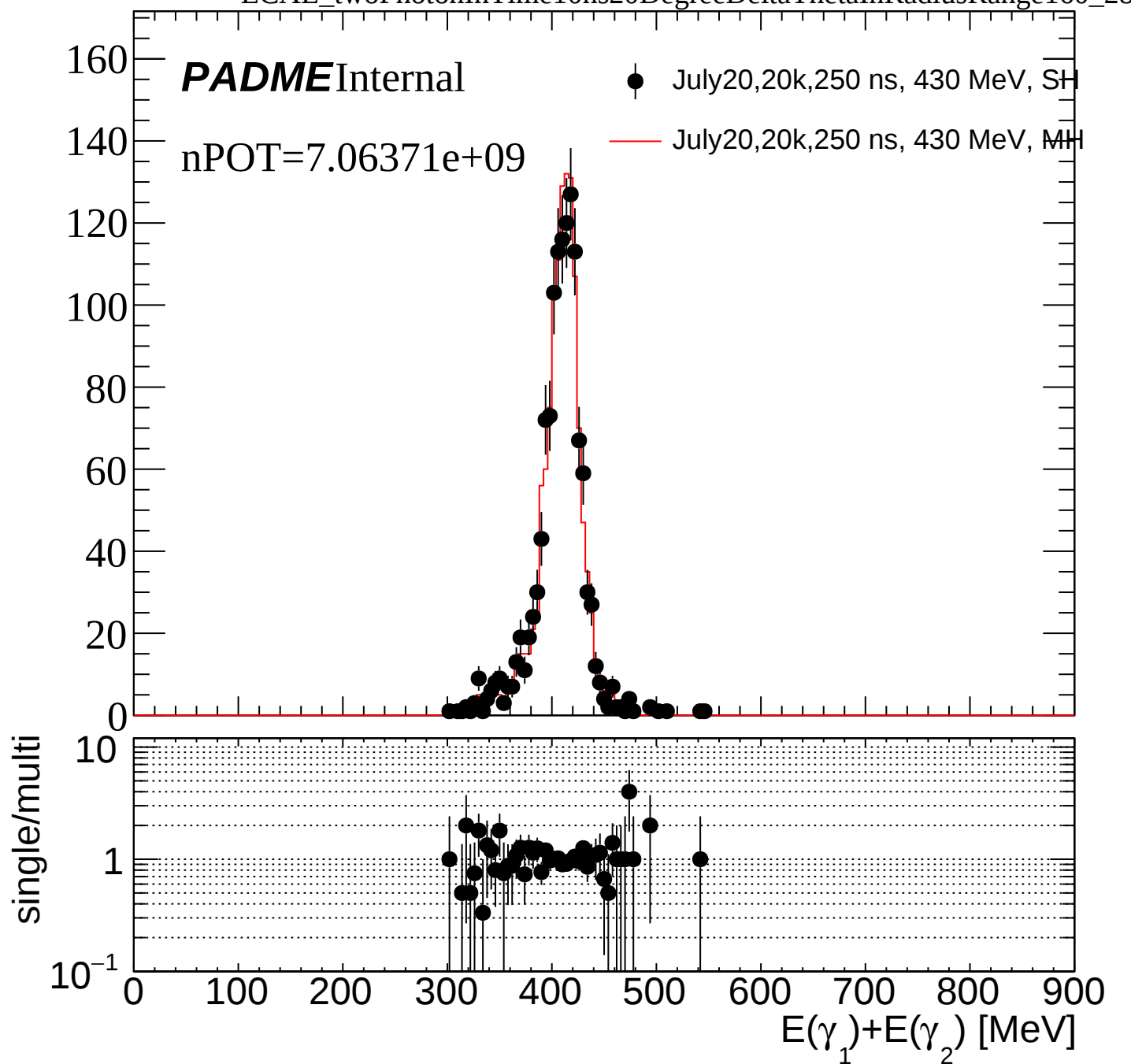


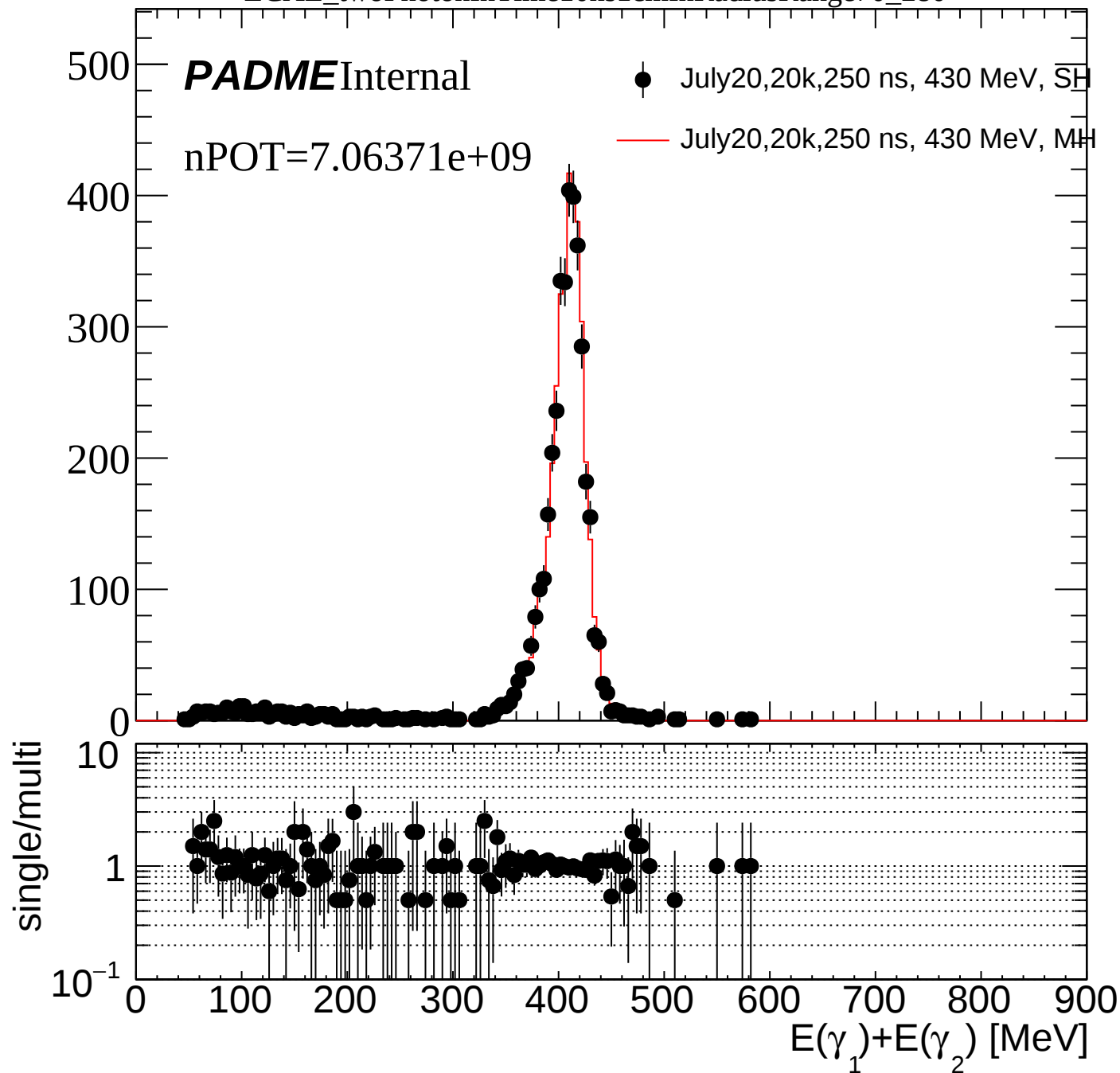


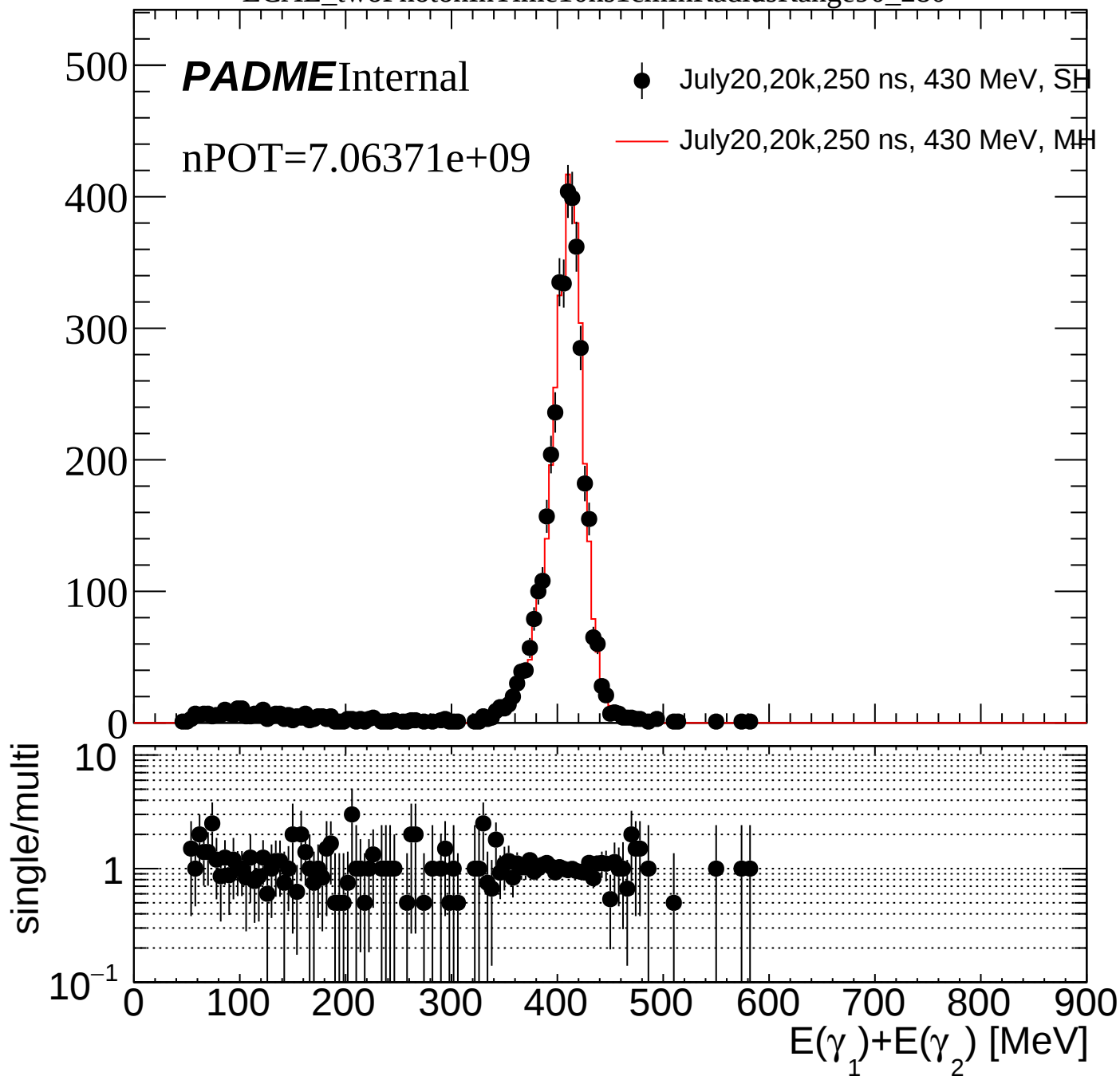


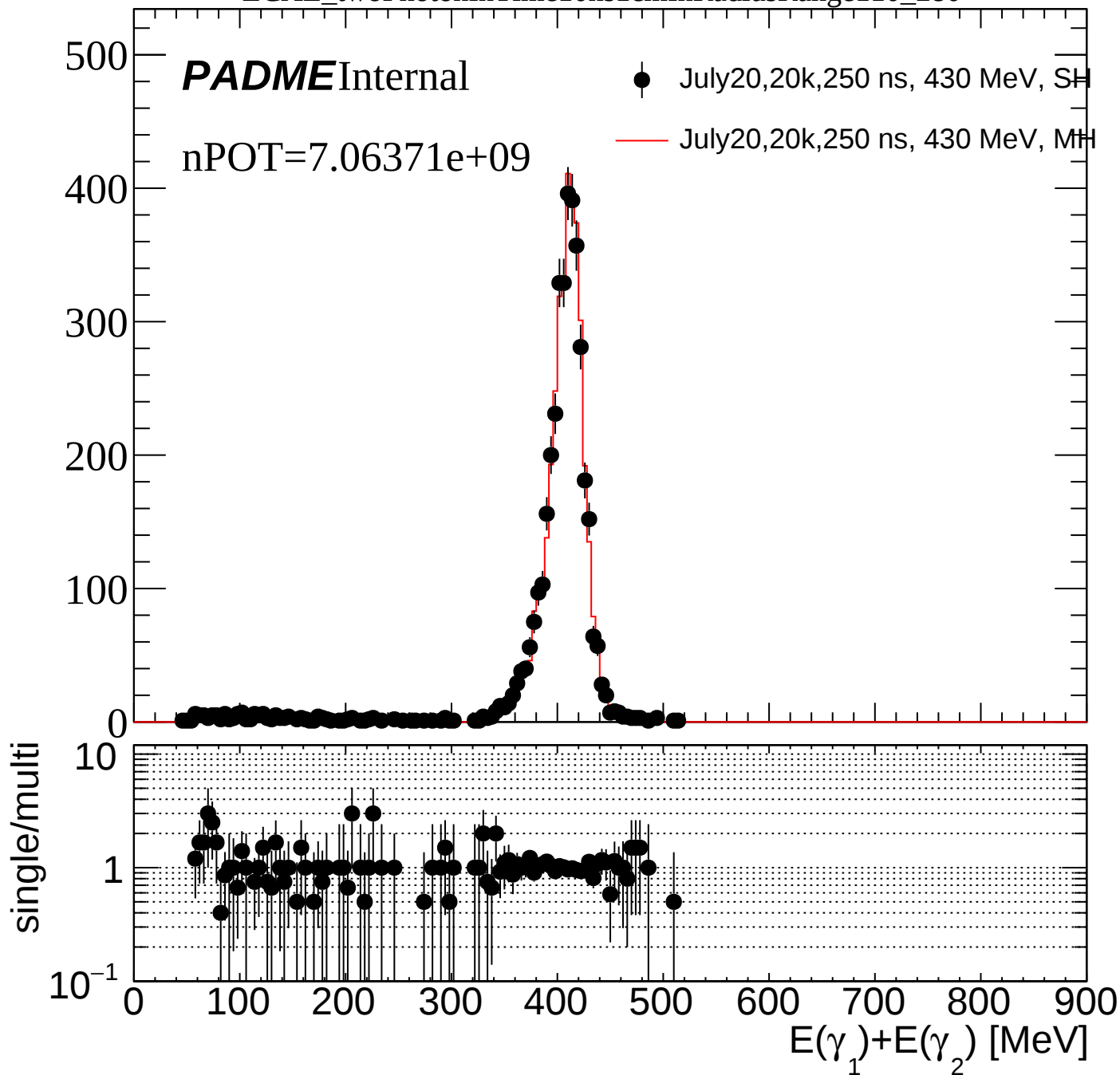












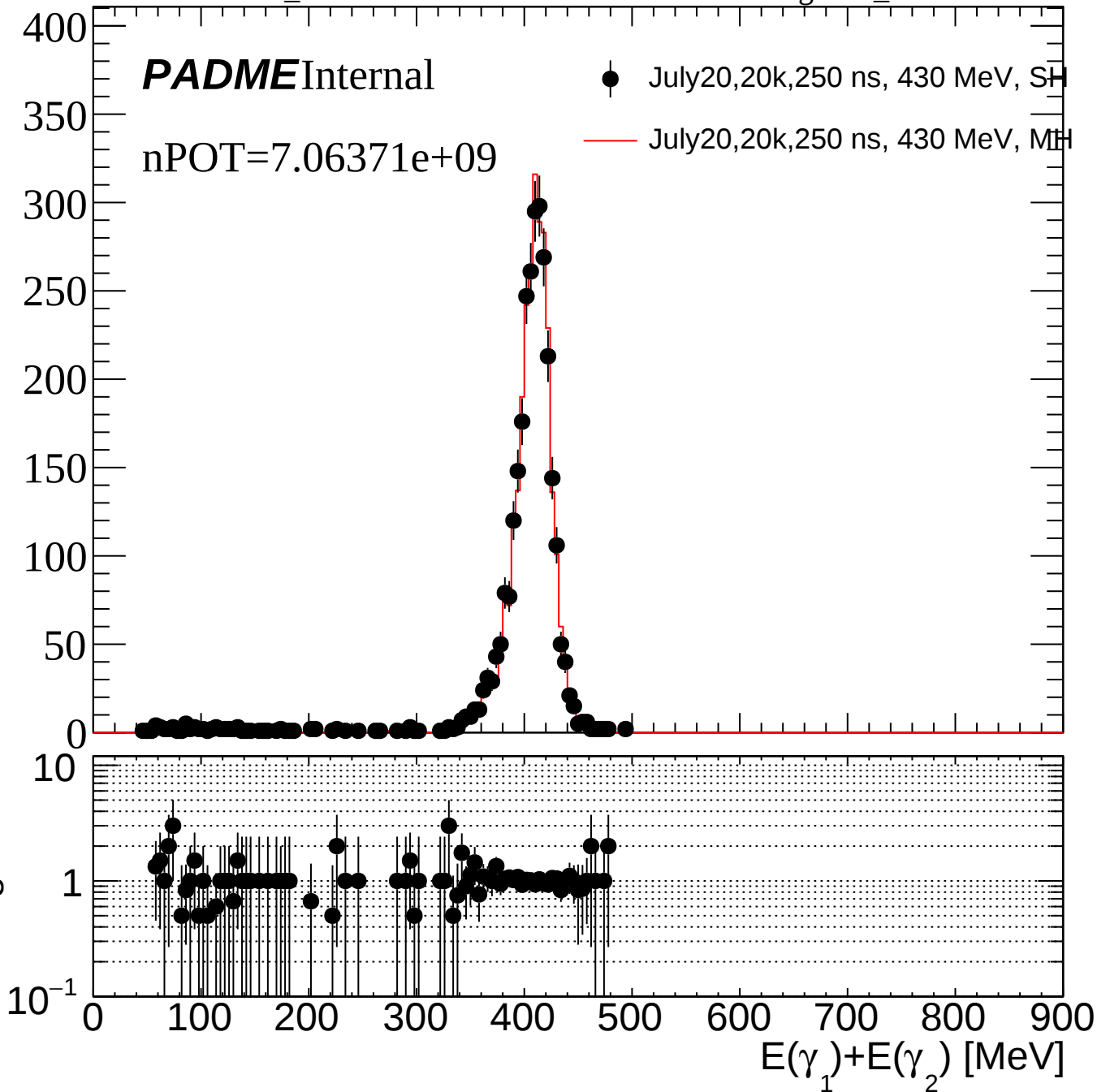
PADMEInternal

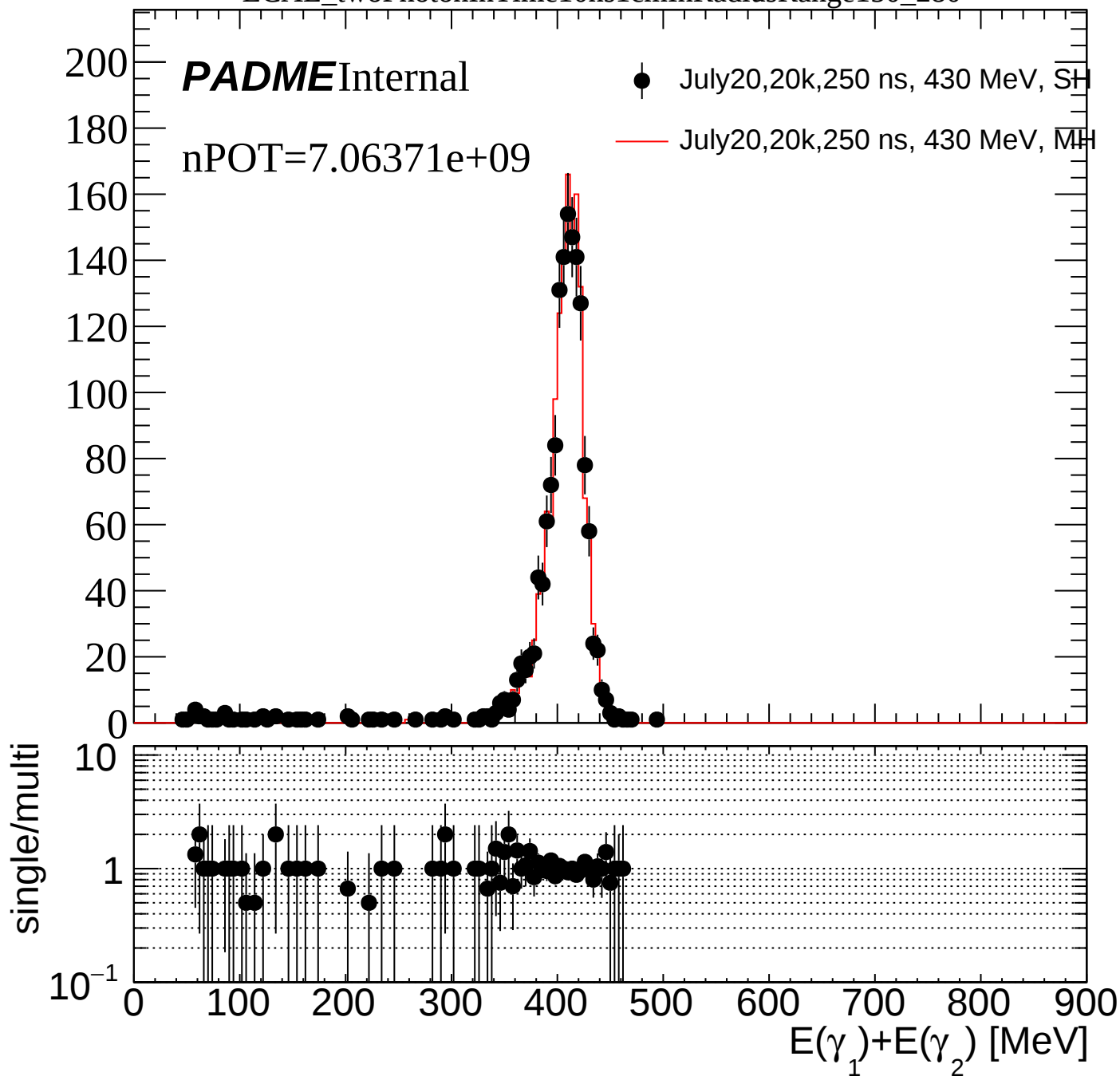
nPOT=7.06371e+09

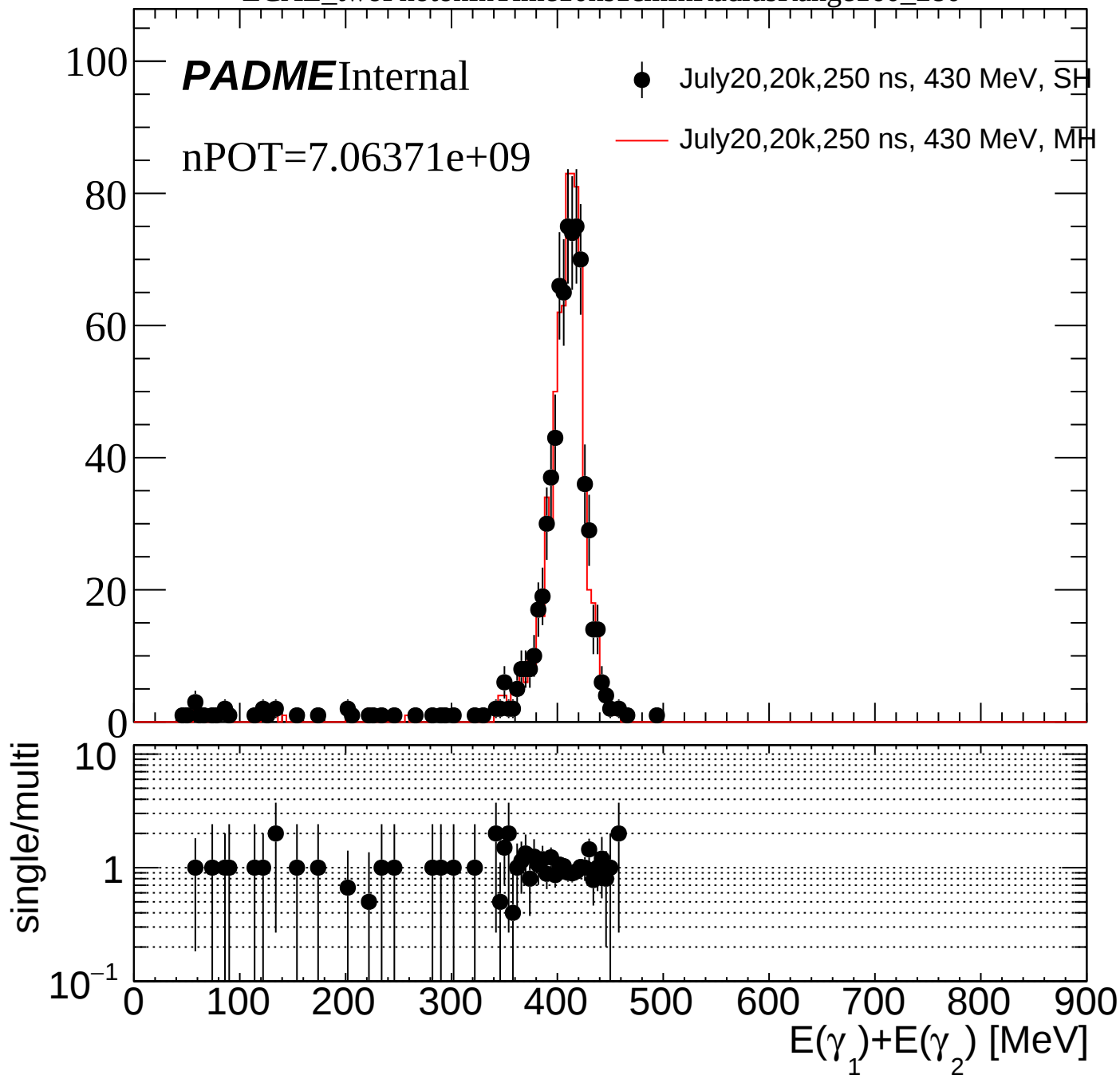
● July20,20k,250 ns, 430 MeV, SH

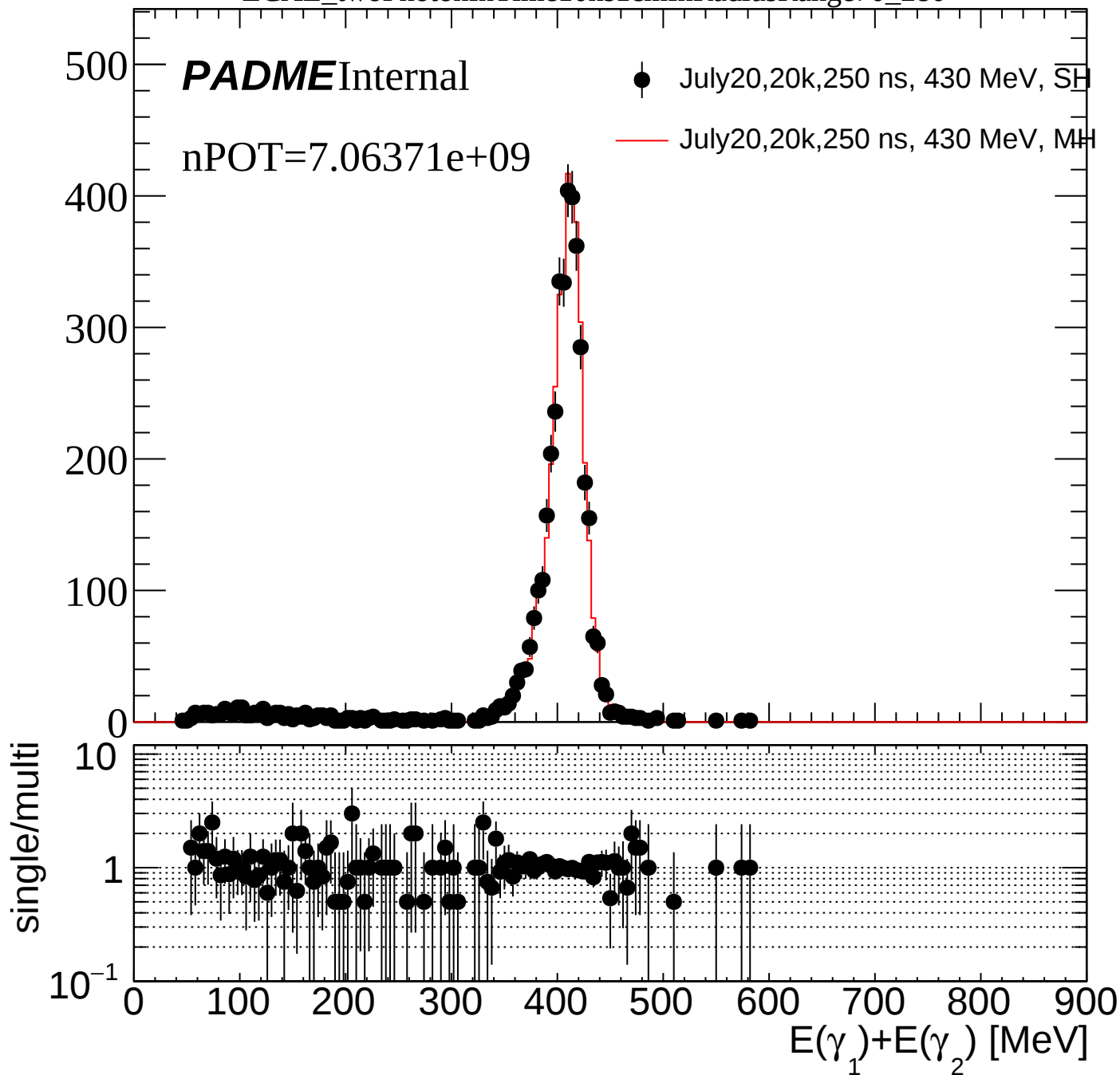
— July20,20k,250 ns, 430 MeV, MH

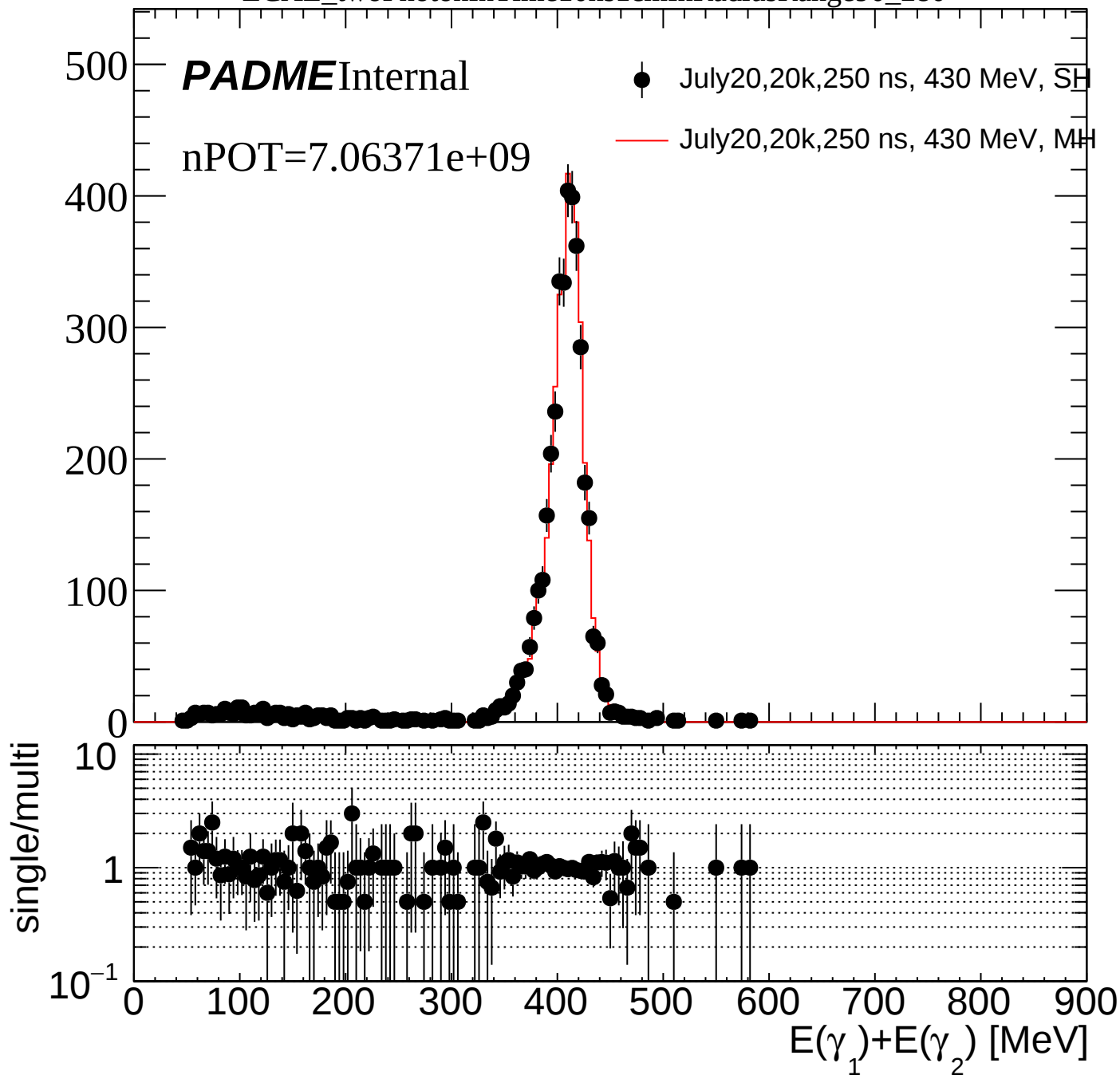
single/multi

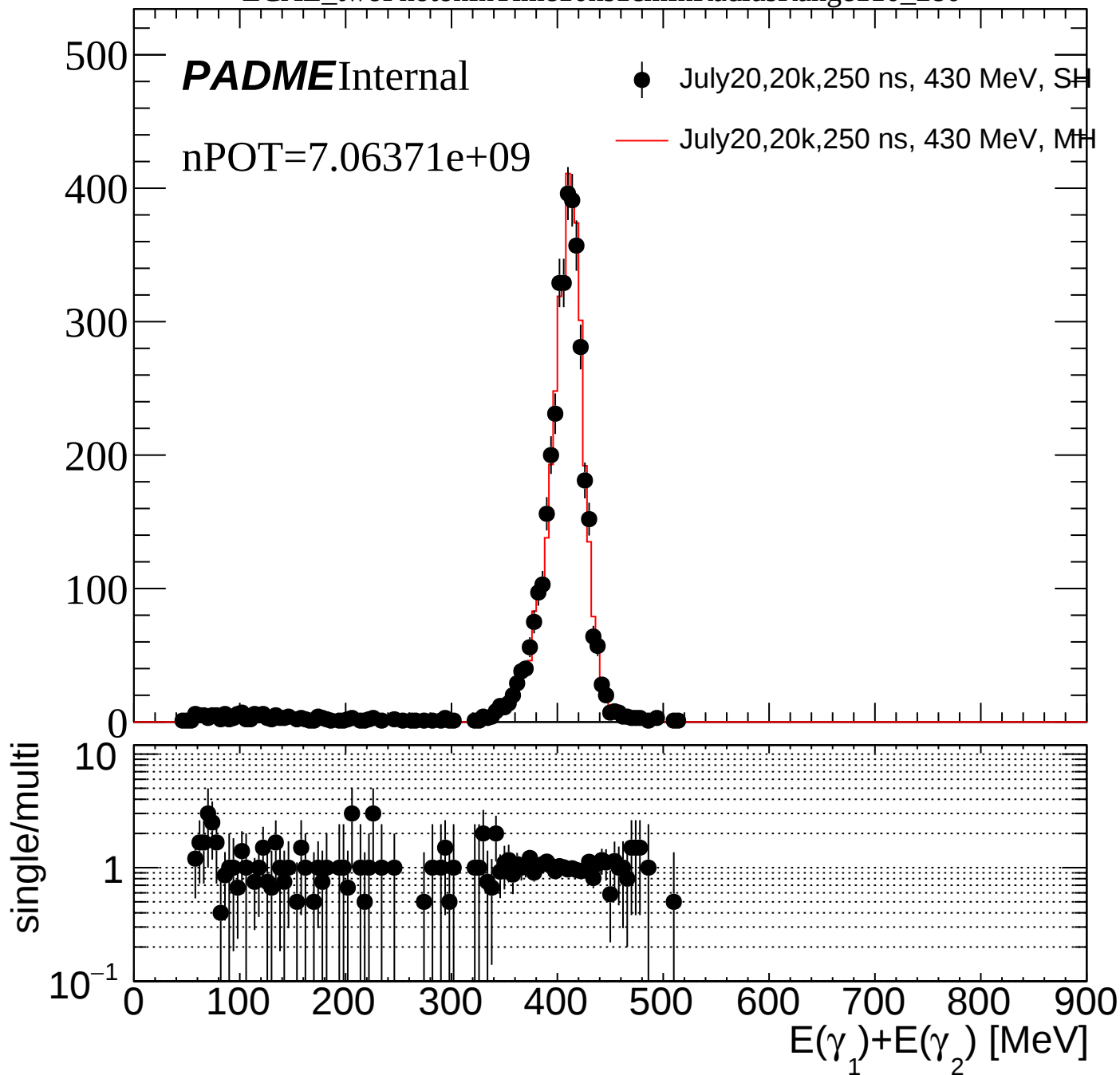












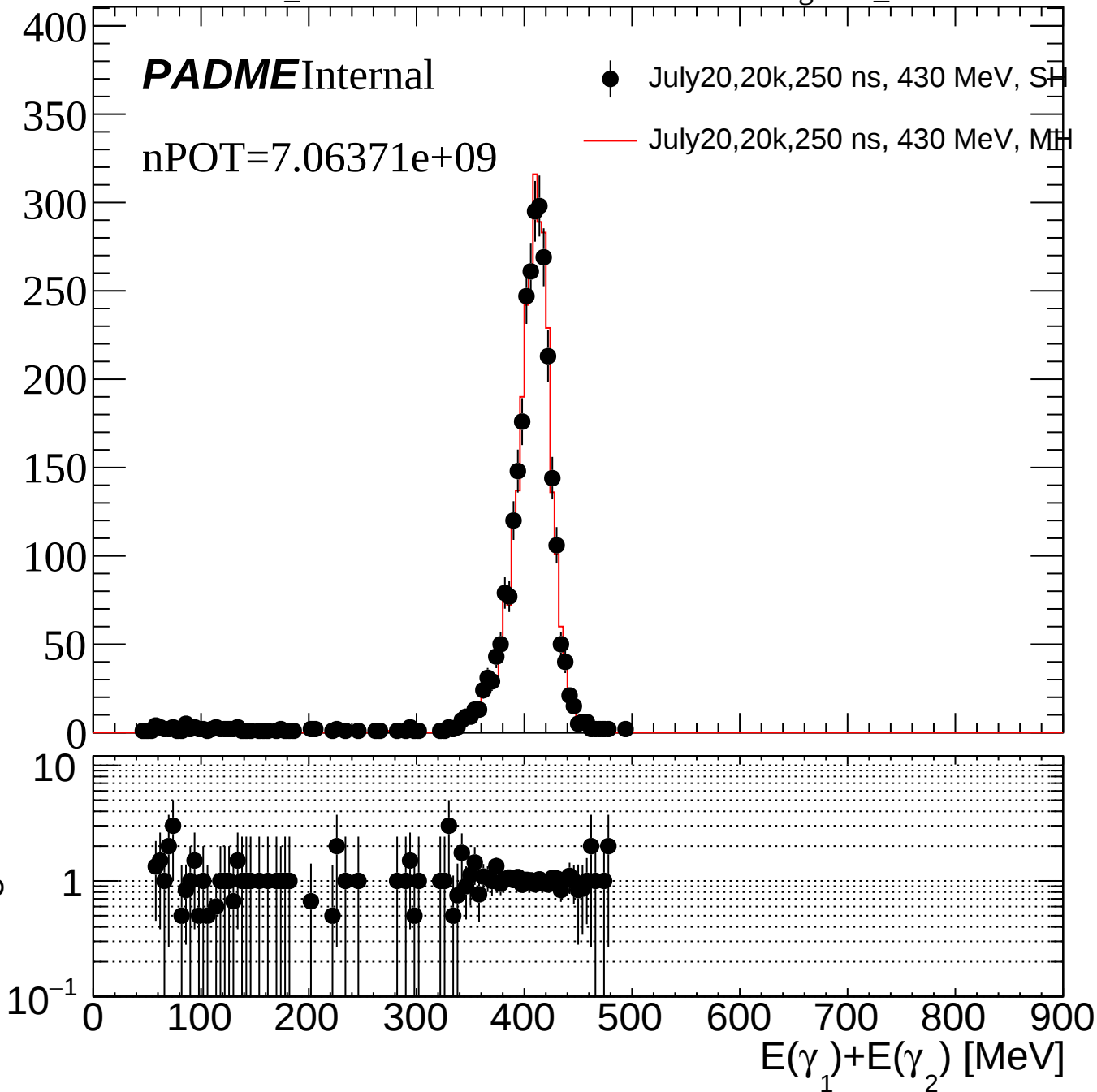
PADMEInternal

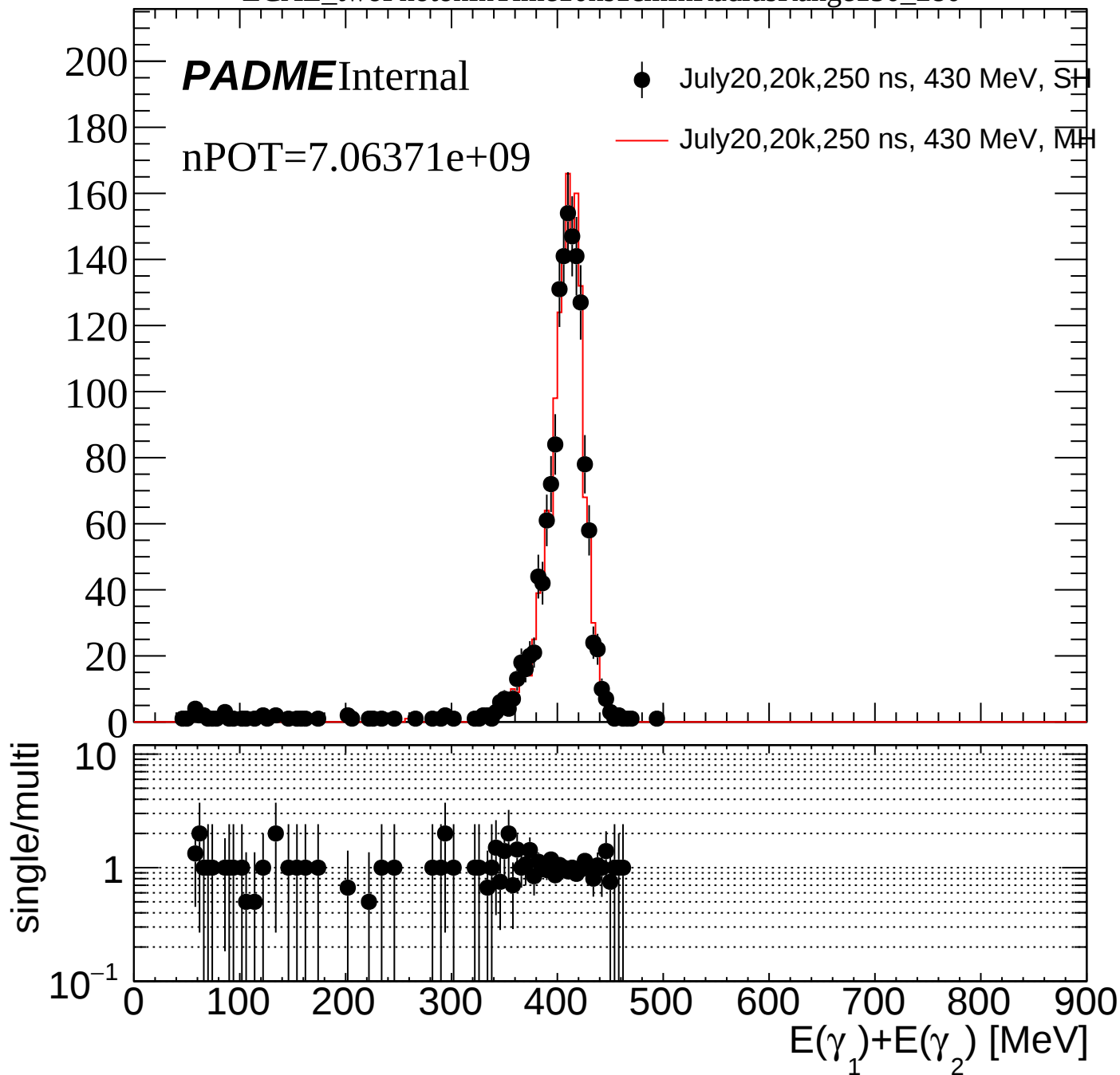
nPOT=7.06371e+09

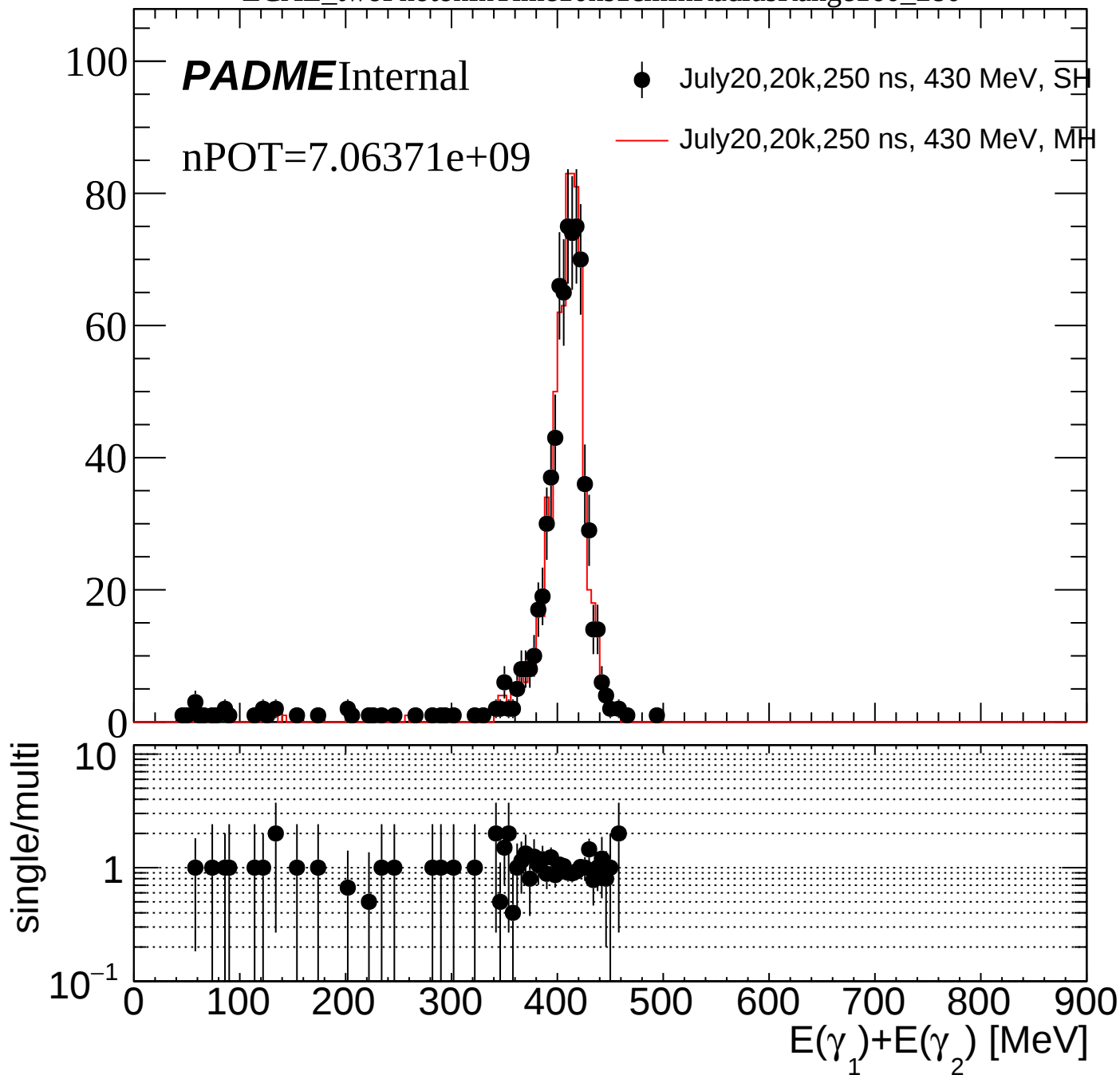
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi







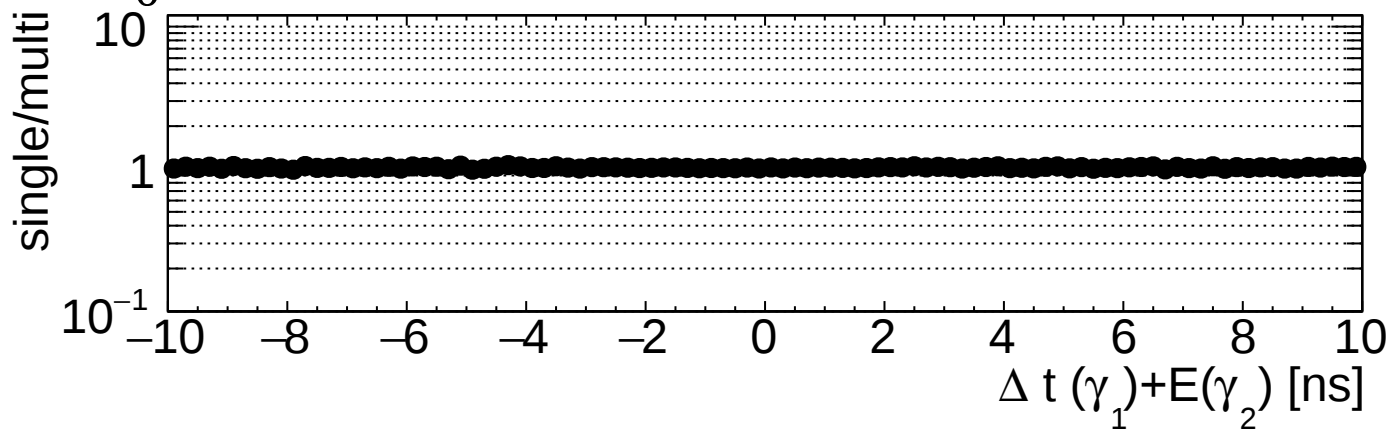
ECAL_dTime_10ns

PADMEInternal

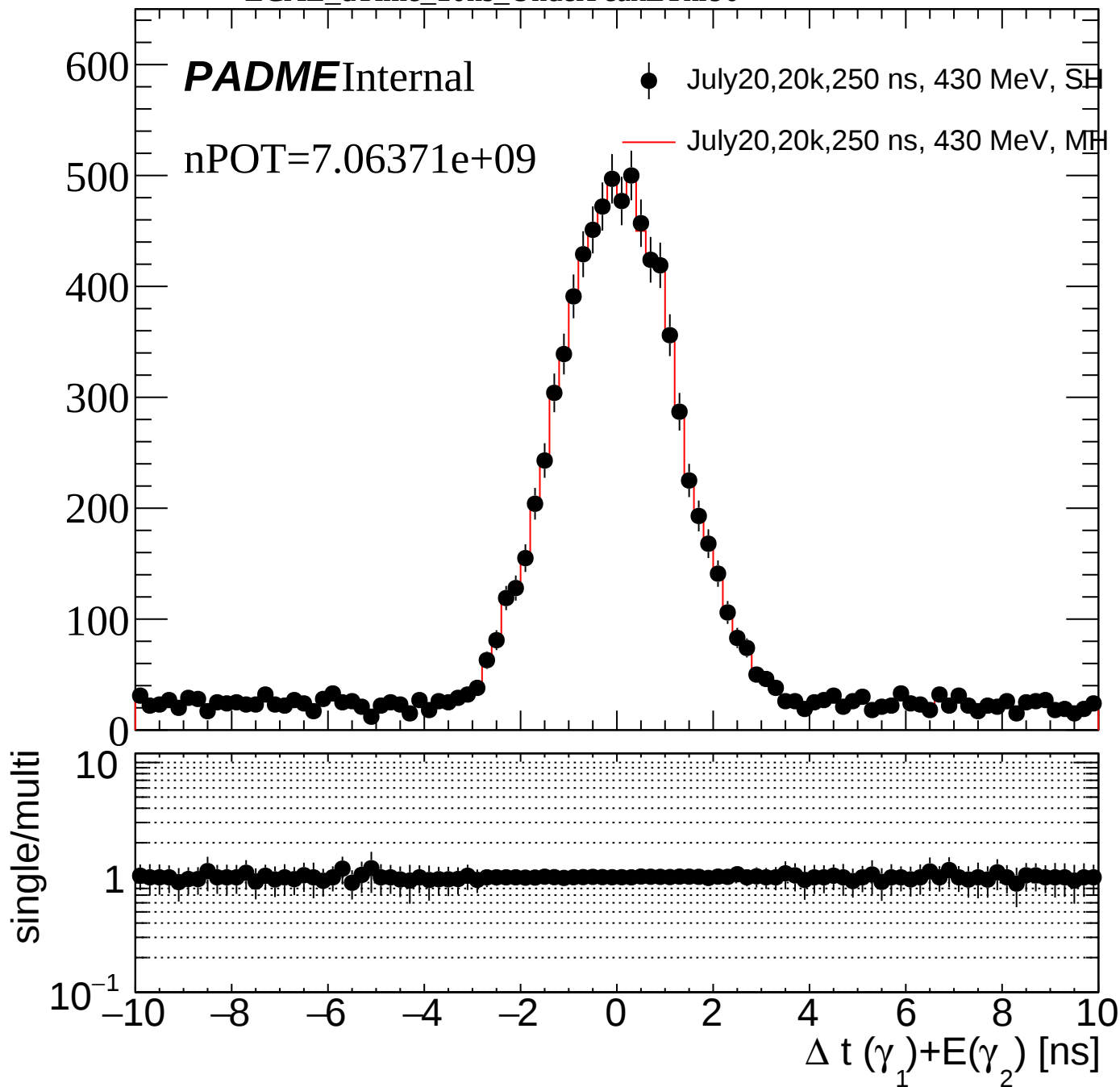
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_dTime_10ns_UnderPeakEThr90



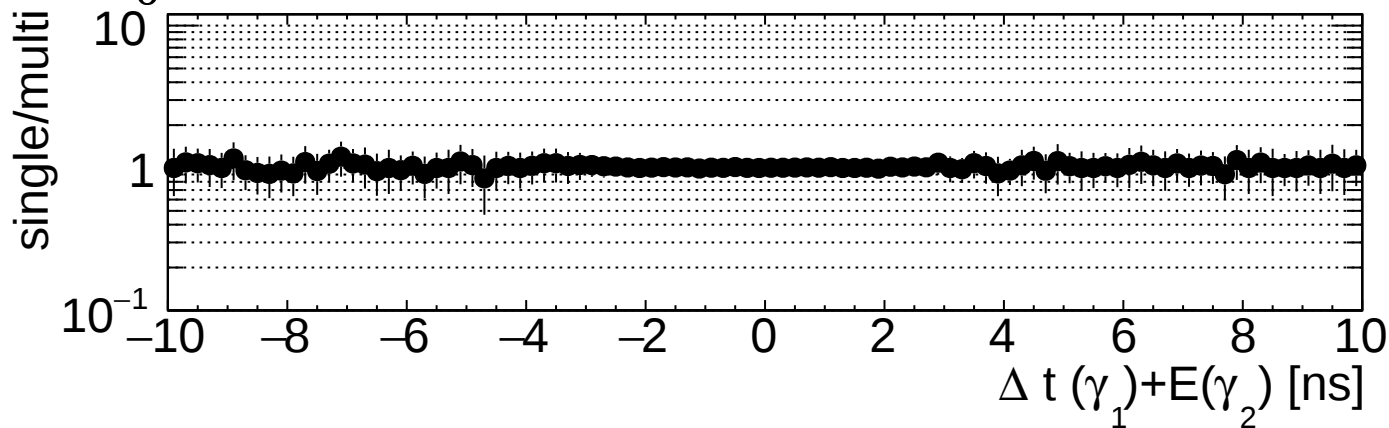
ECAL_dTime_10ns20DegreeDeltaTheta

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



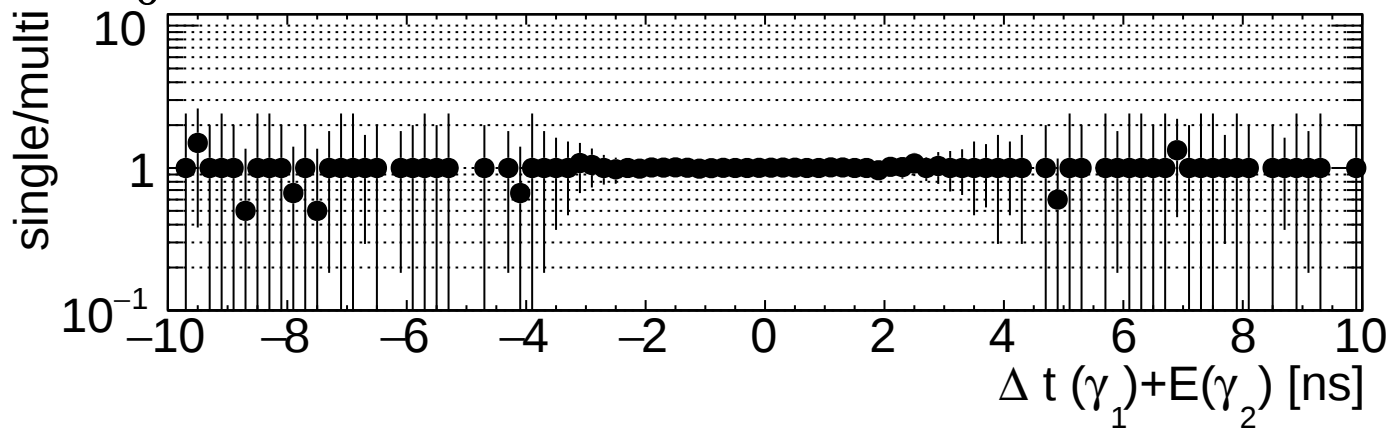
ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

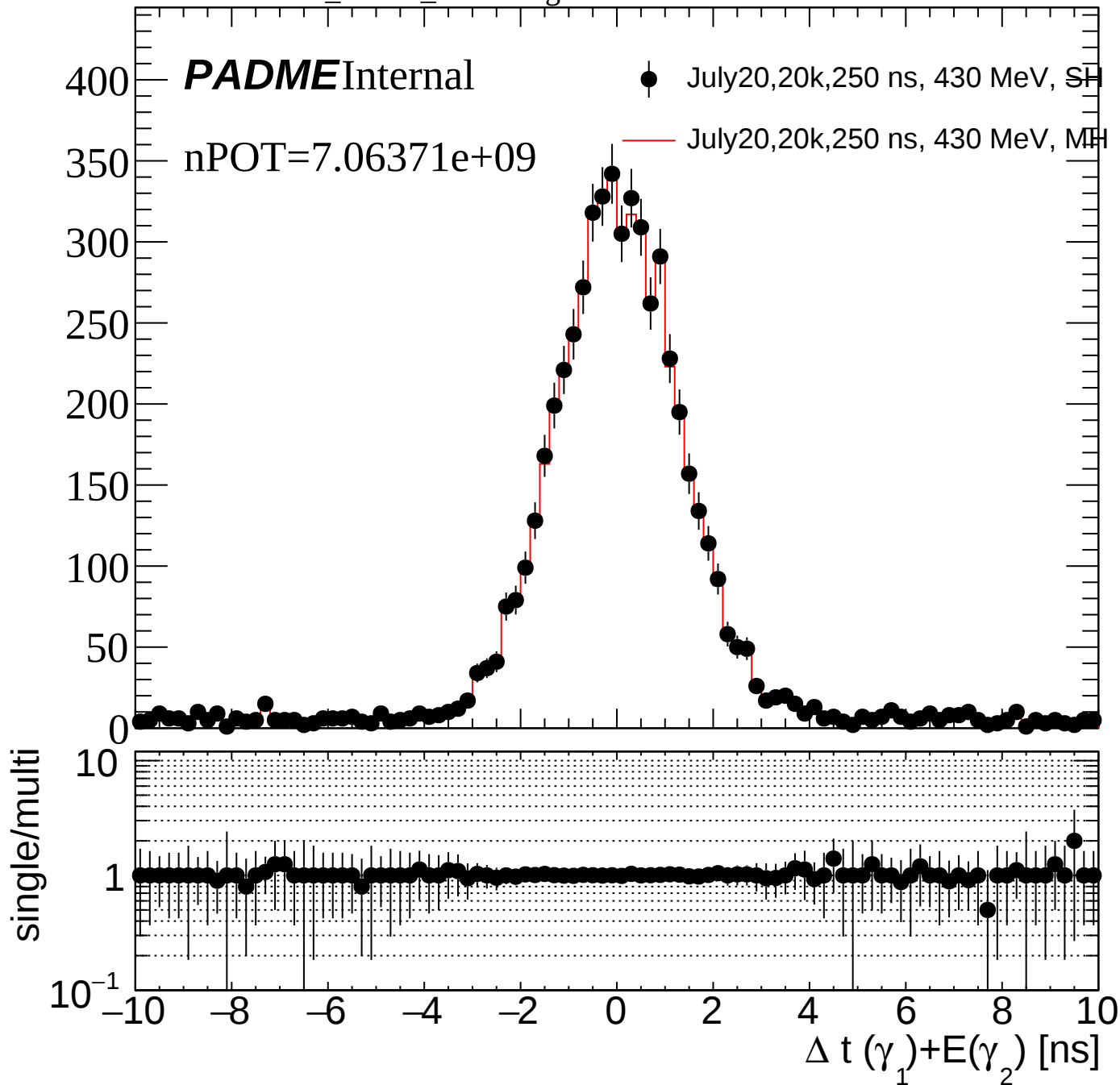
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_dTime_10ns5DegreeDeltaTheta



ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90

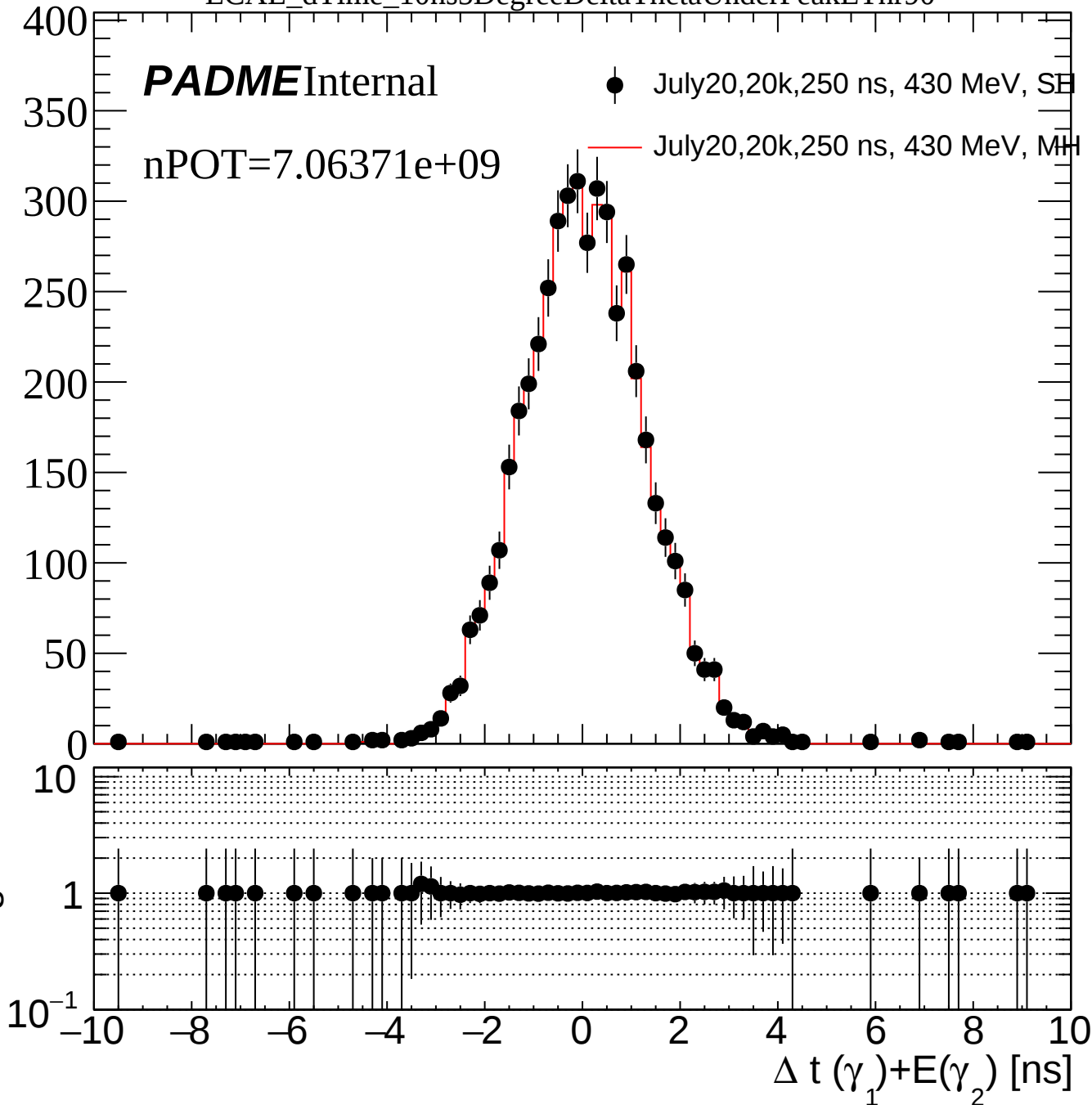
PADMEInternal

nPOT=7.06371e+09

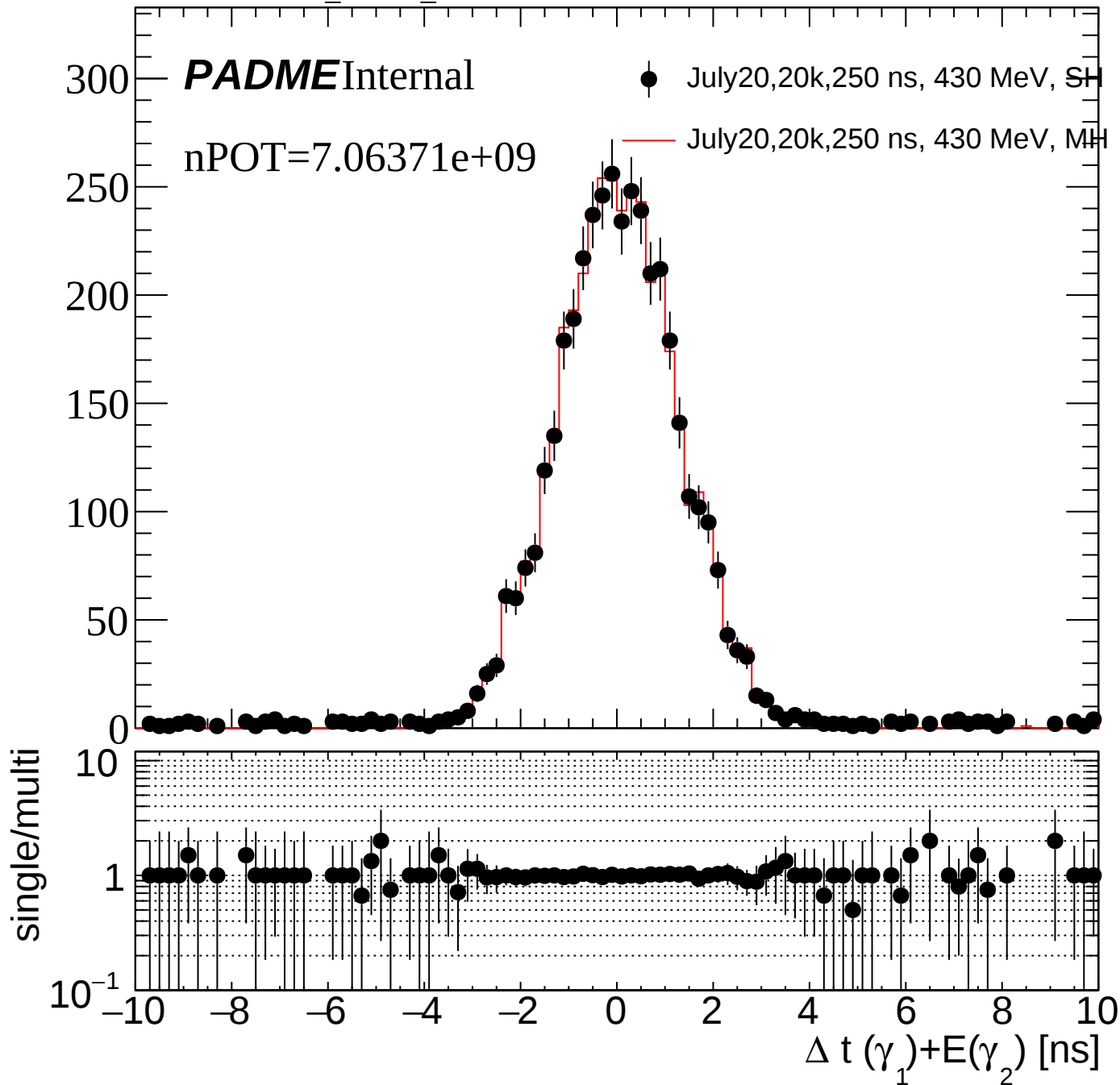
July20,20k,250 ns, 430 MeV, SE

July20,20k,250 ns, 430 MeV, MH

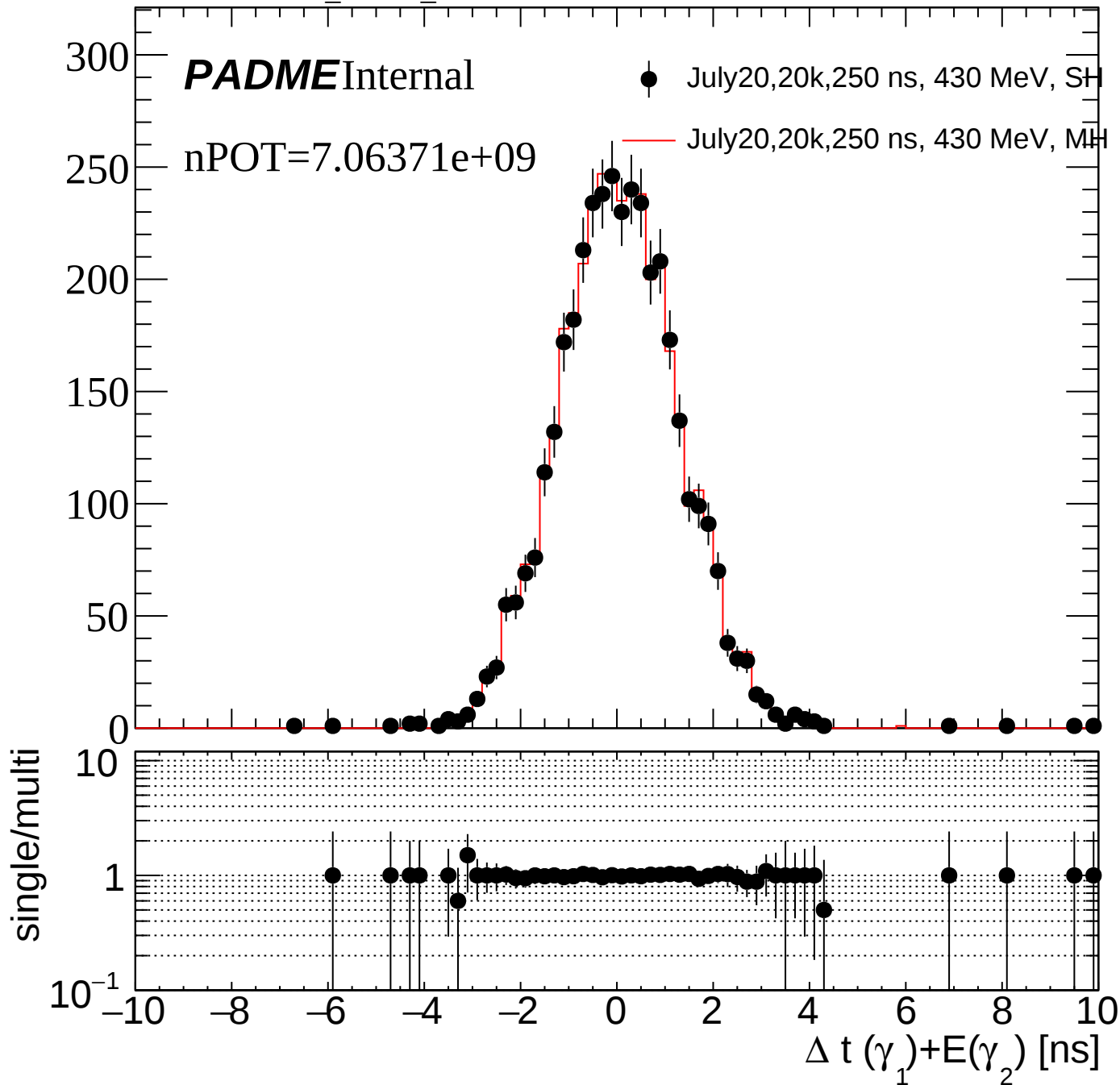
single/multi



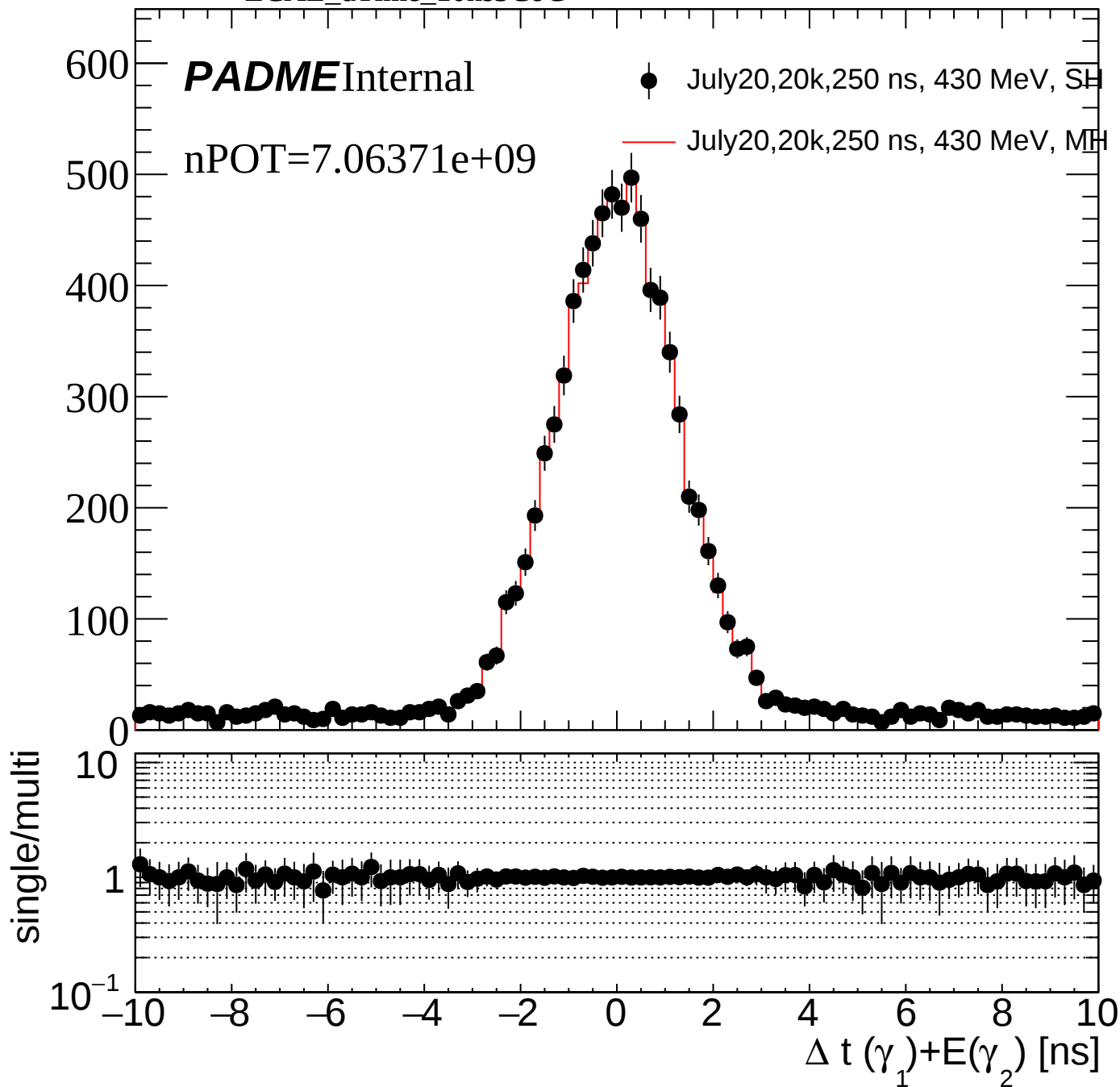
ECAL_dTime_10ns1CoG



ECAL_dTime_10ns1CoGUnderPeakEThr90



ECAL_dTime_10ns3CoG



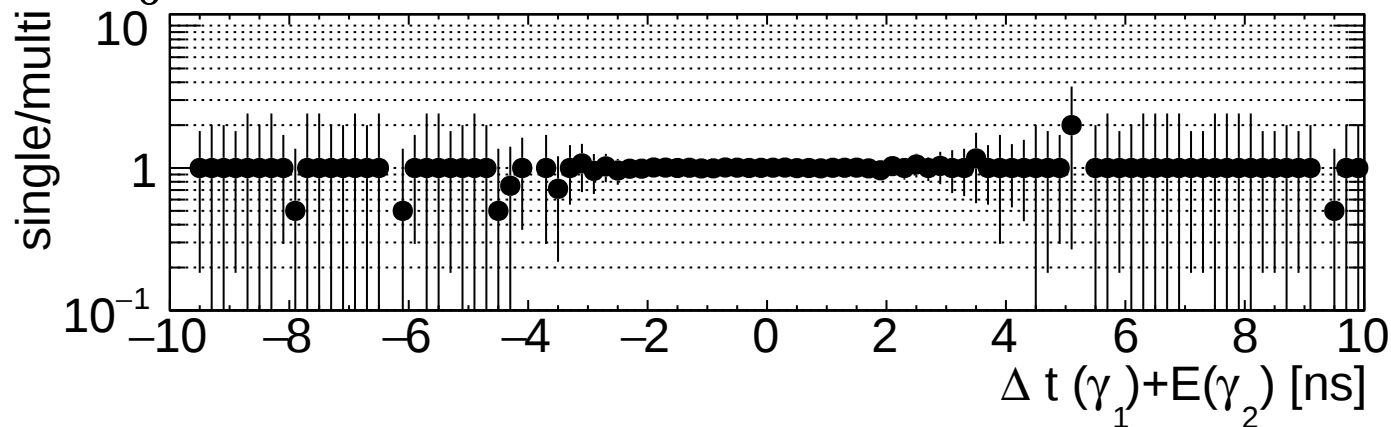
ECAL_dTime_10ns3CoGUnderPeakEThr90

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



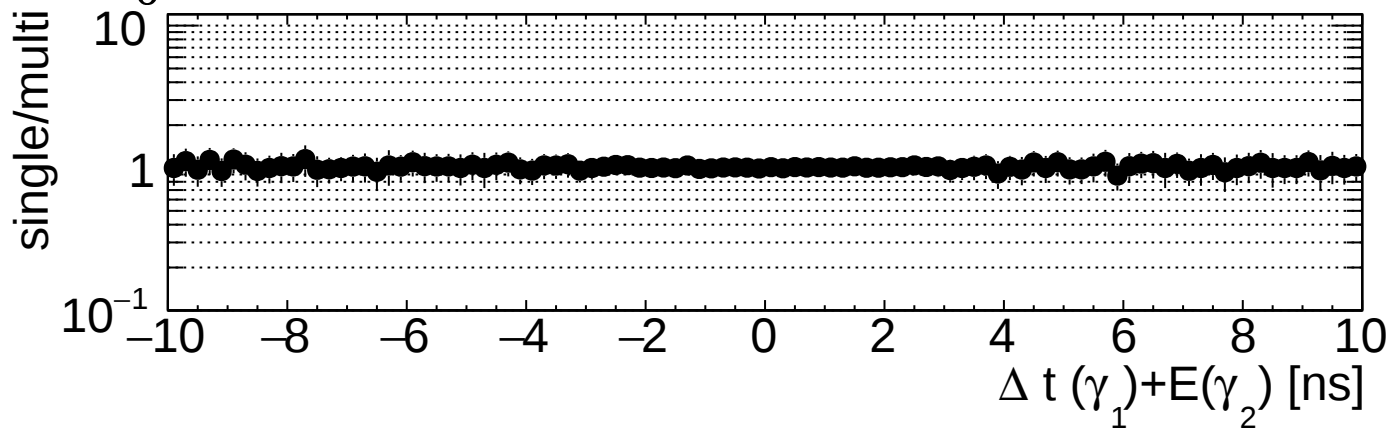
ECAL_dTime_10ns5CoG

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_dTime_10ns5CoGUnderPeakEThr90

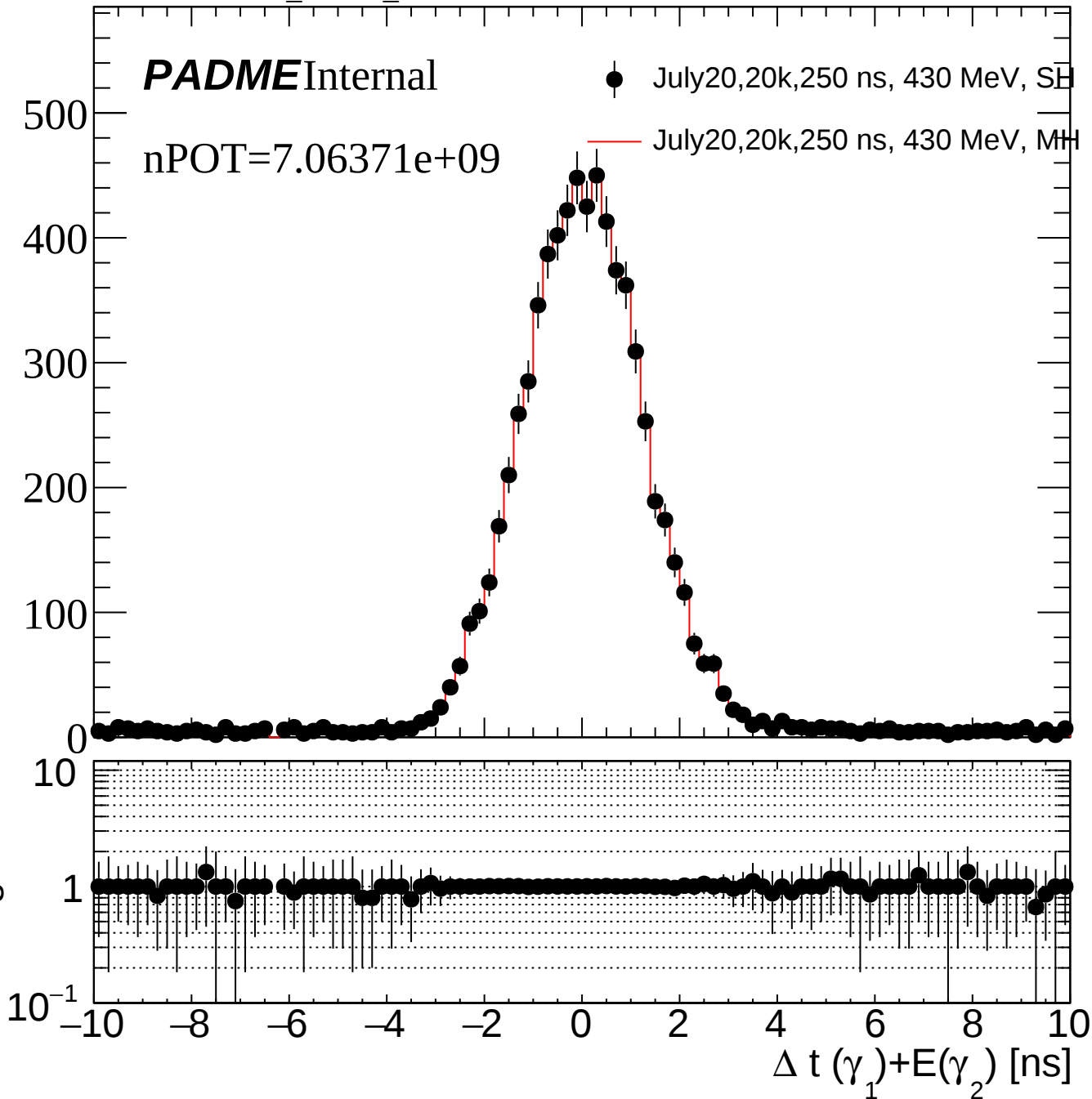
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns

PADMEInternal

nPOT=7.06371e+09

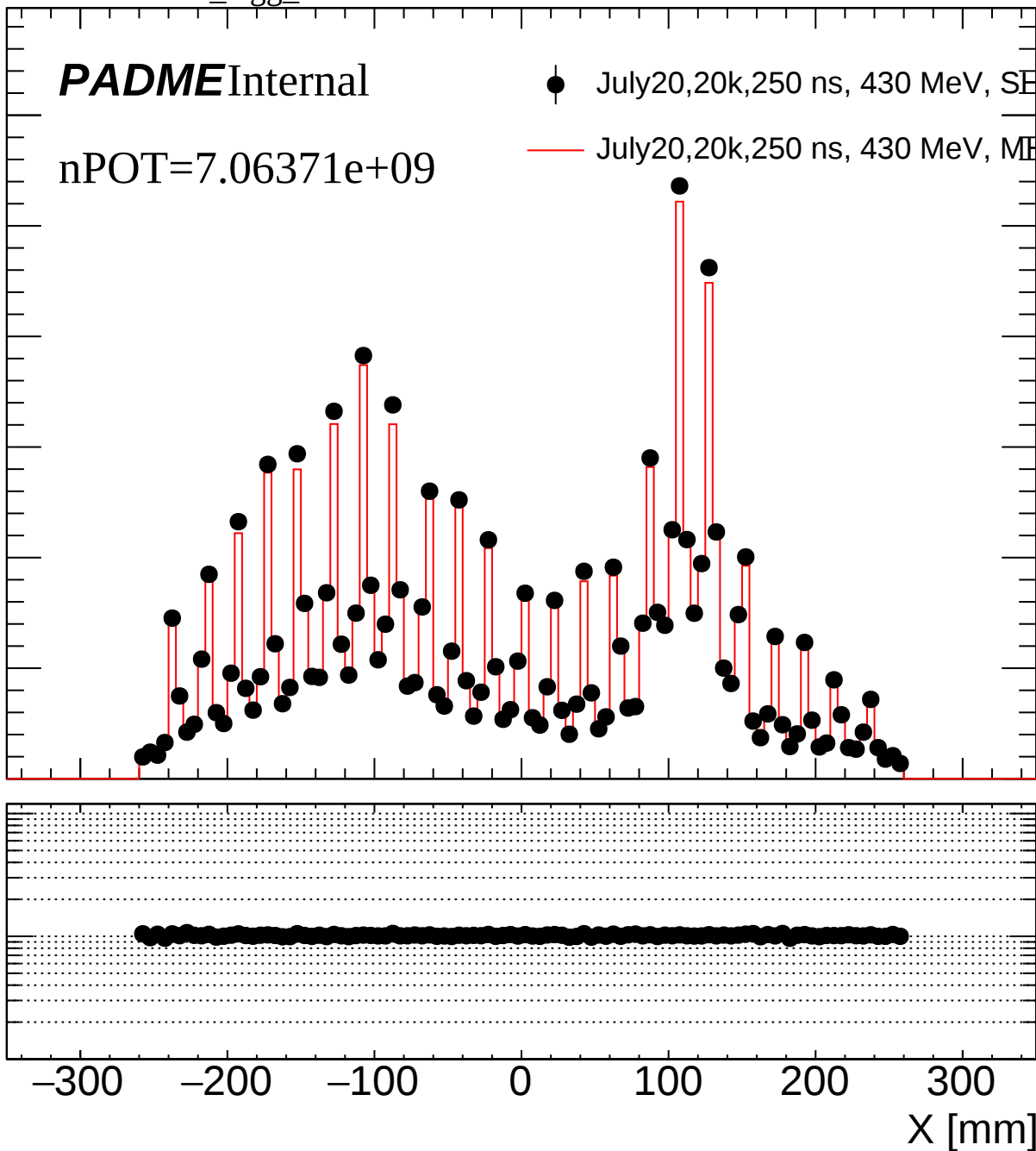
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

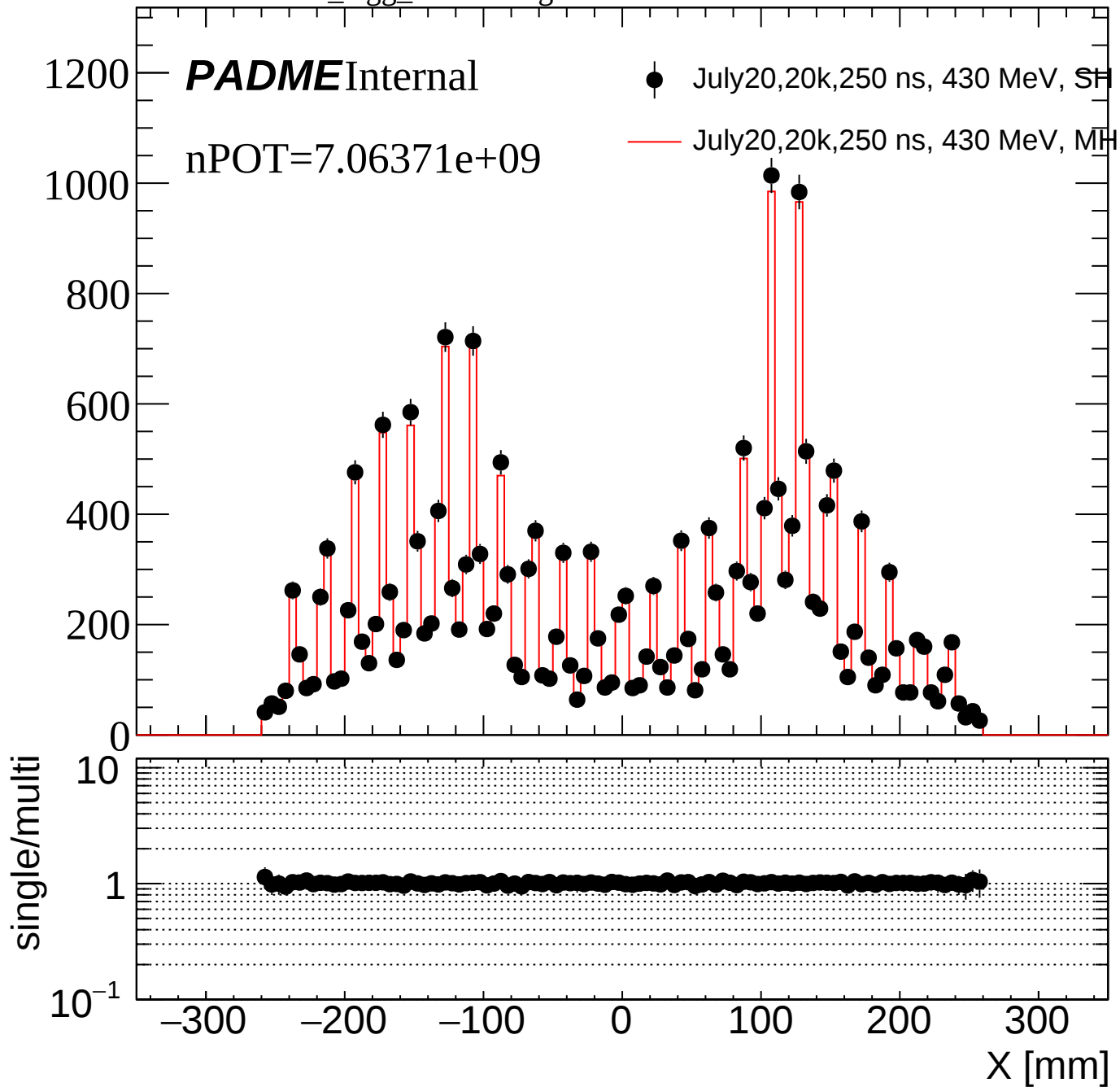
single/multi

X [mm]

6000
5000
4000
3000
2000
1000
0
10
1
10⁻¹



ECAL_Xgg_10ns20Degree



ECAL_Xgg_10ns20DegreeDeltaTheta

PADMEInternal

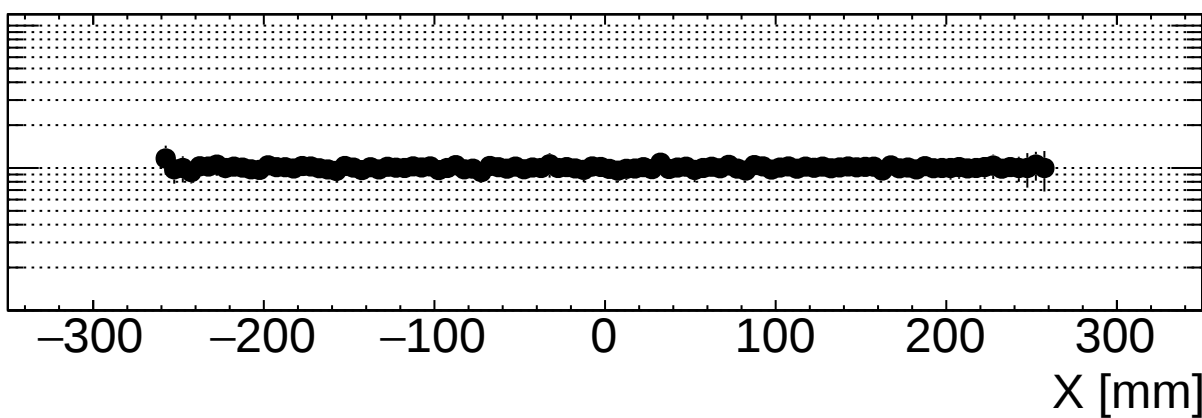
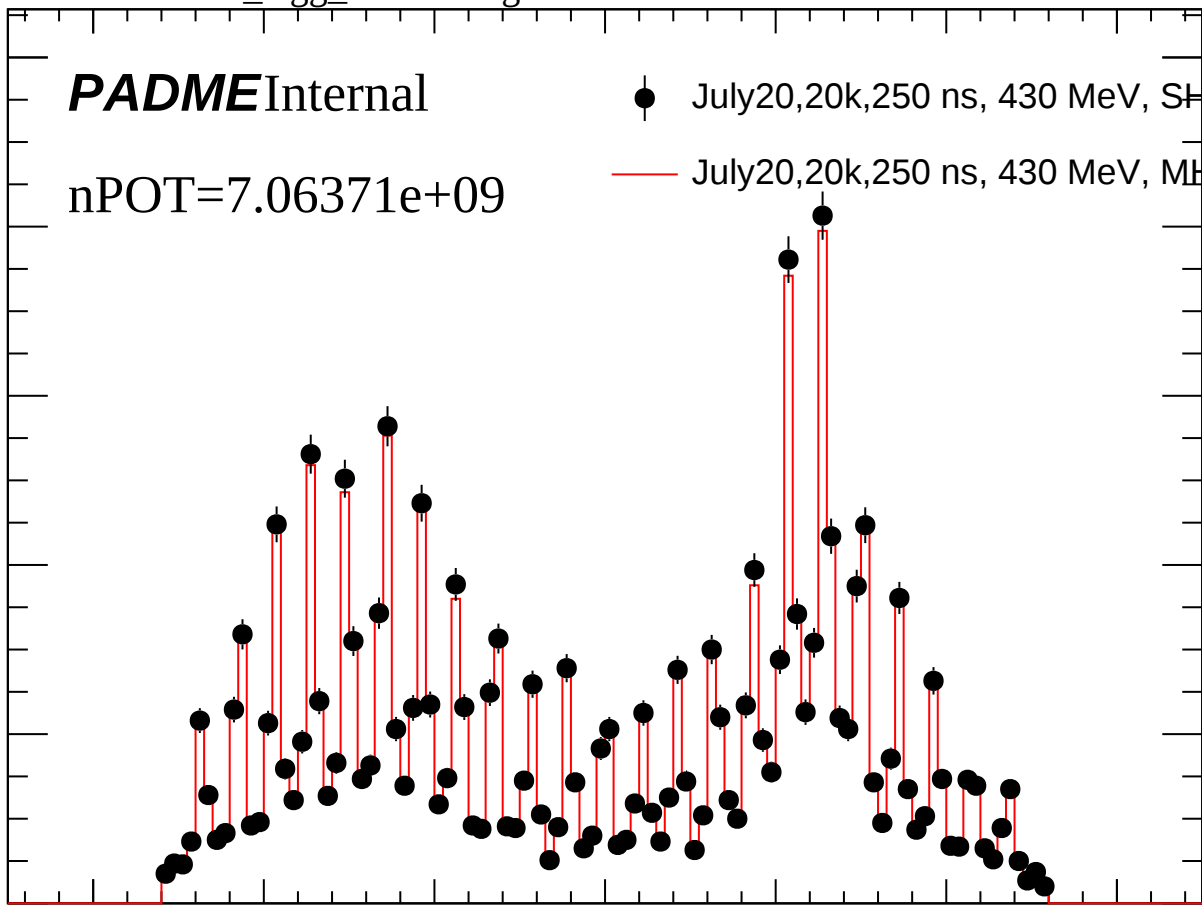
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

1000
800
600
400
200
0
10
1
10⁻¹



ECAL_Xgg_10ns5DegreeDeltaTheta

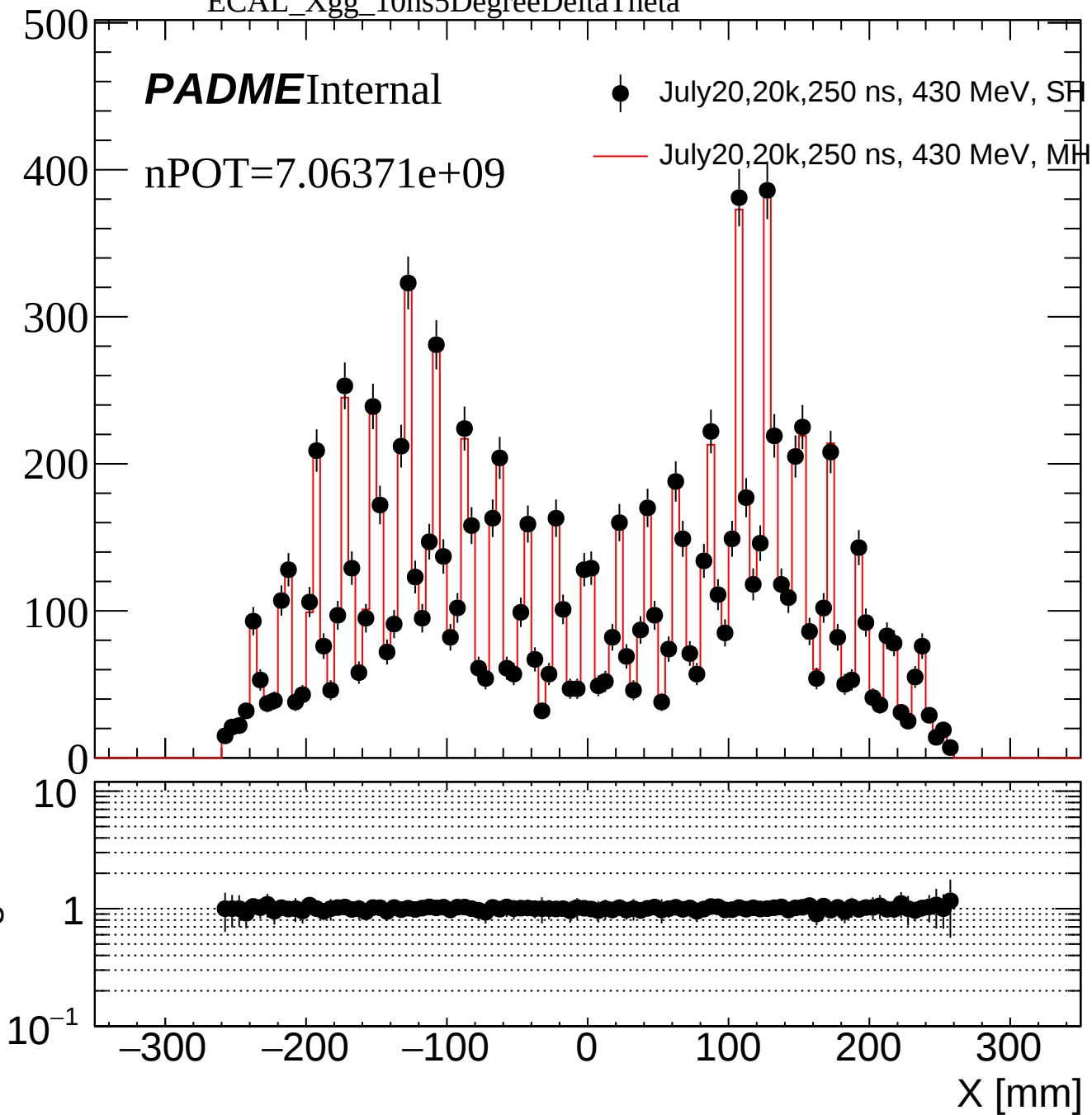
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

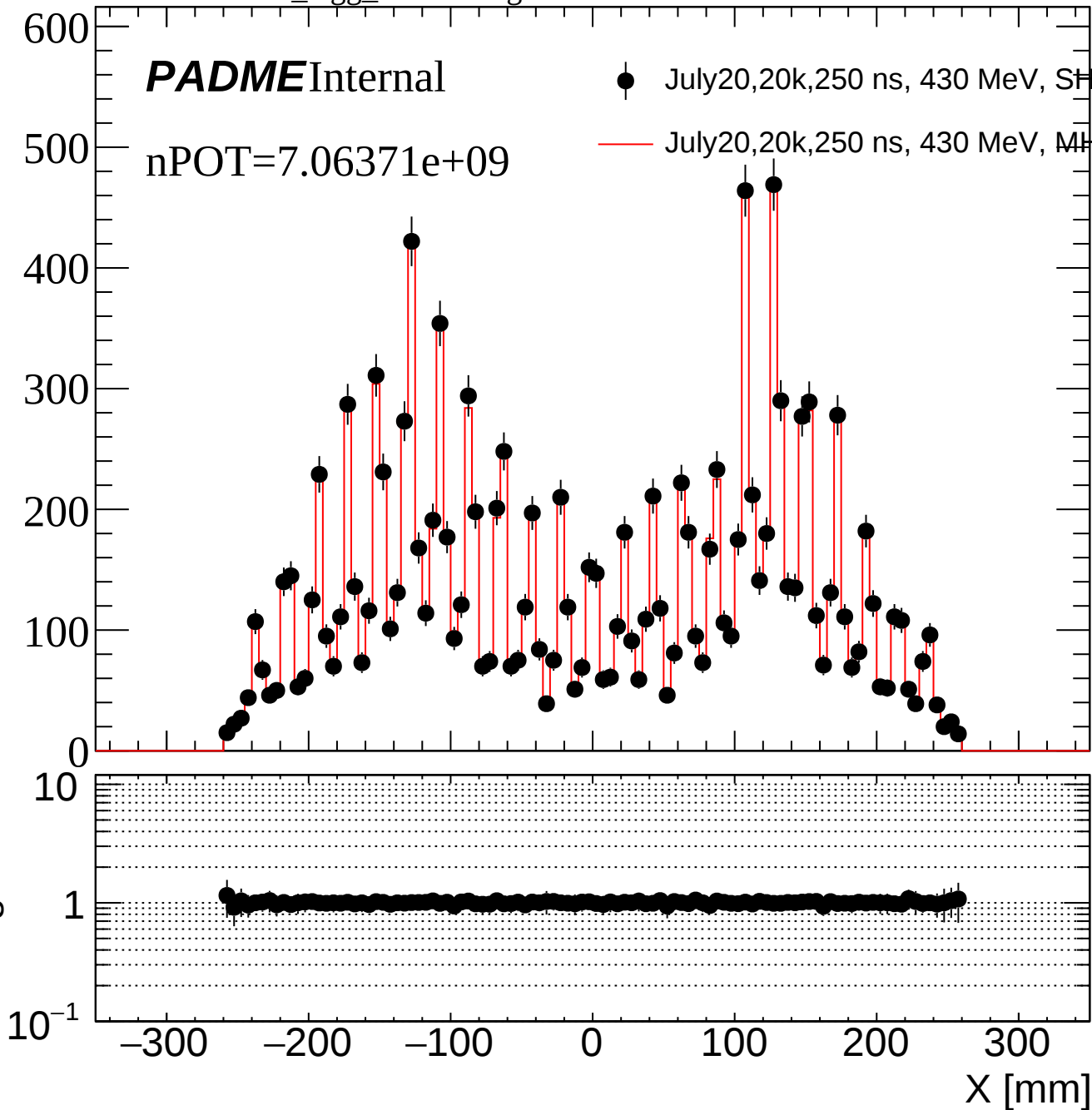
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

X [mm]



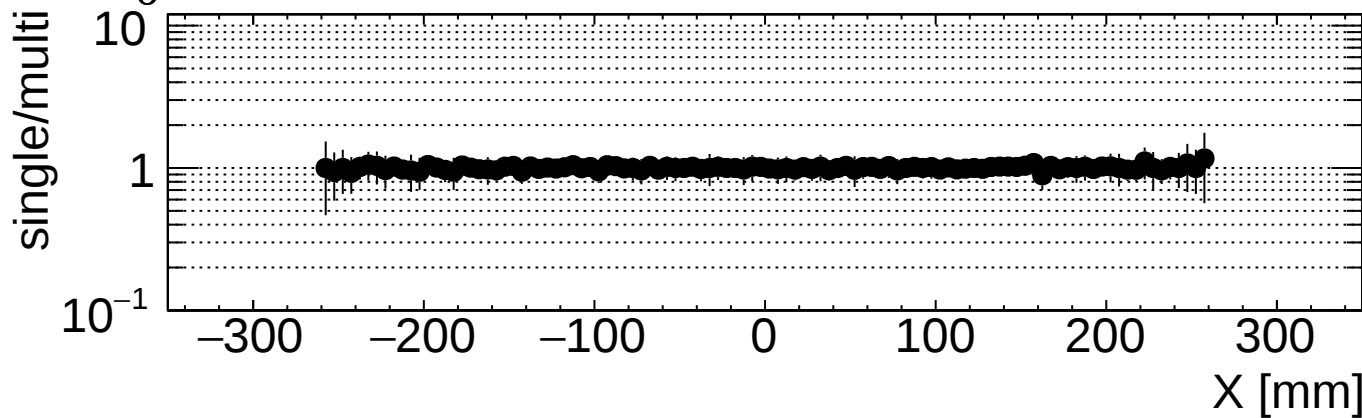
ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak

PADME Internal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

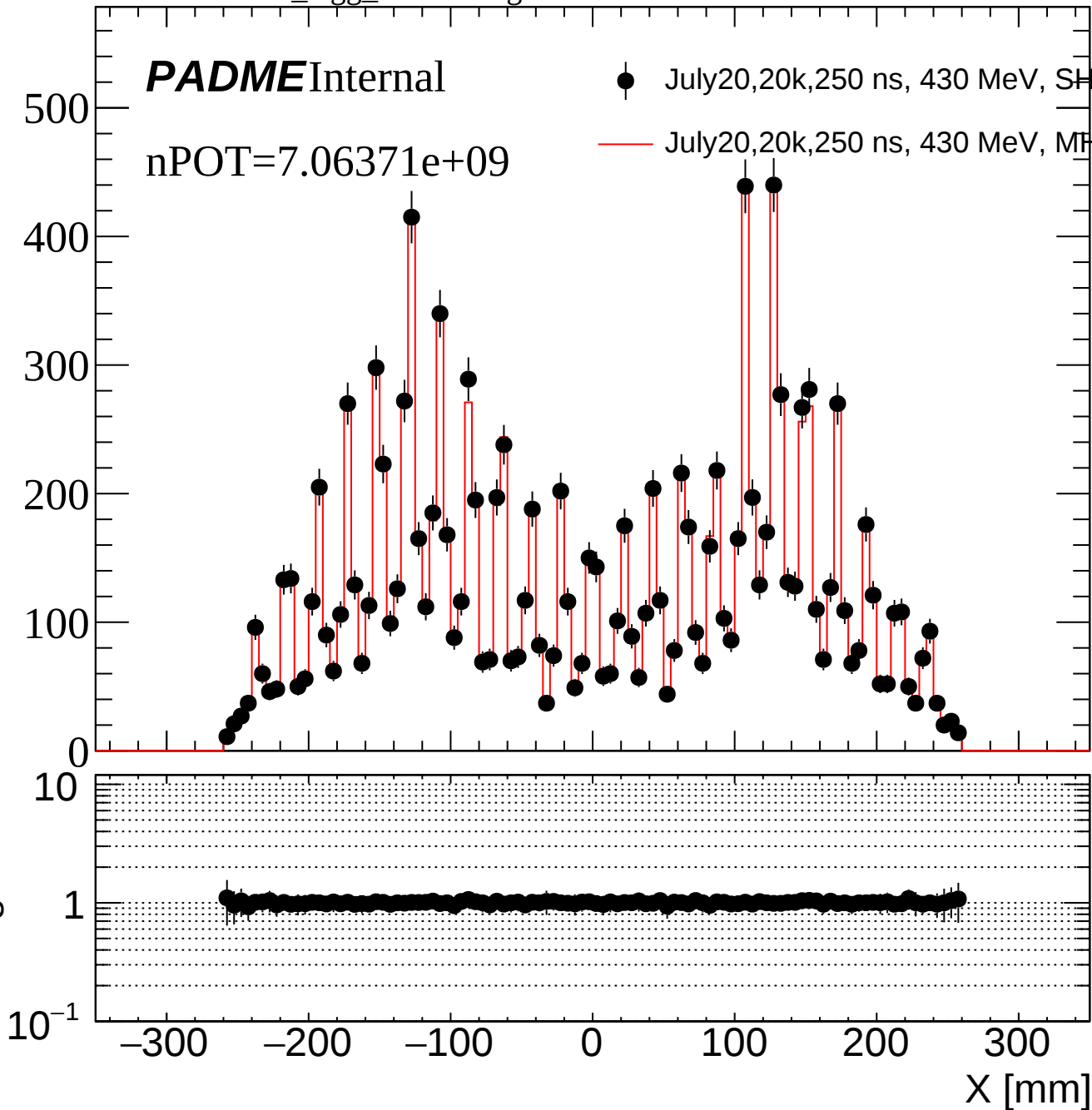
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

X [mm]



ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY

PADMEInternal

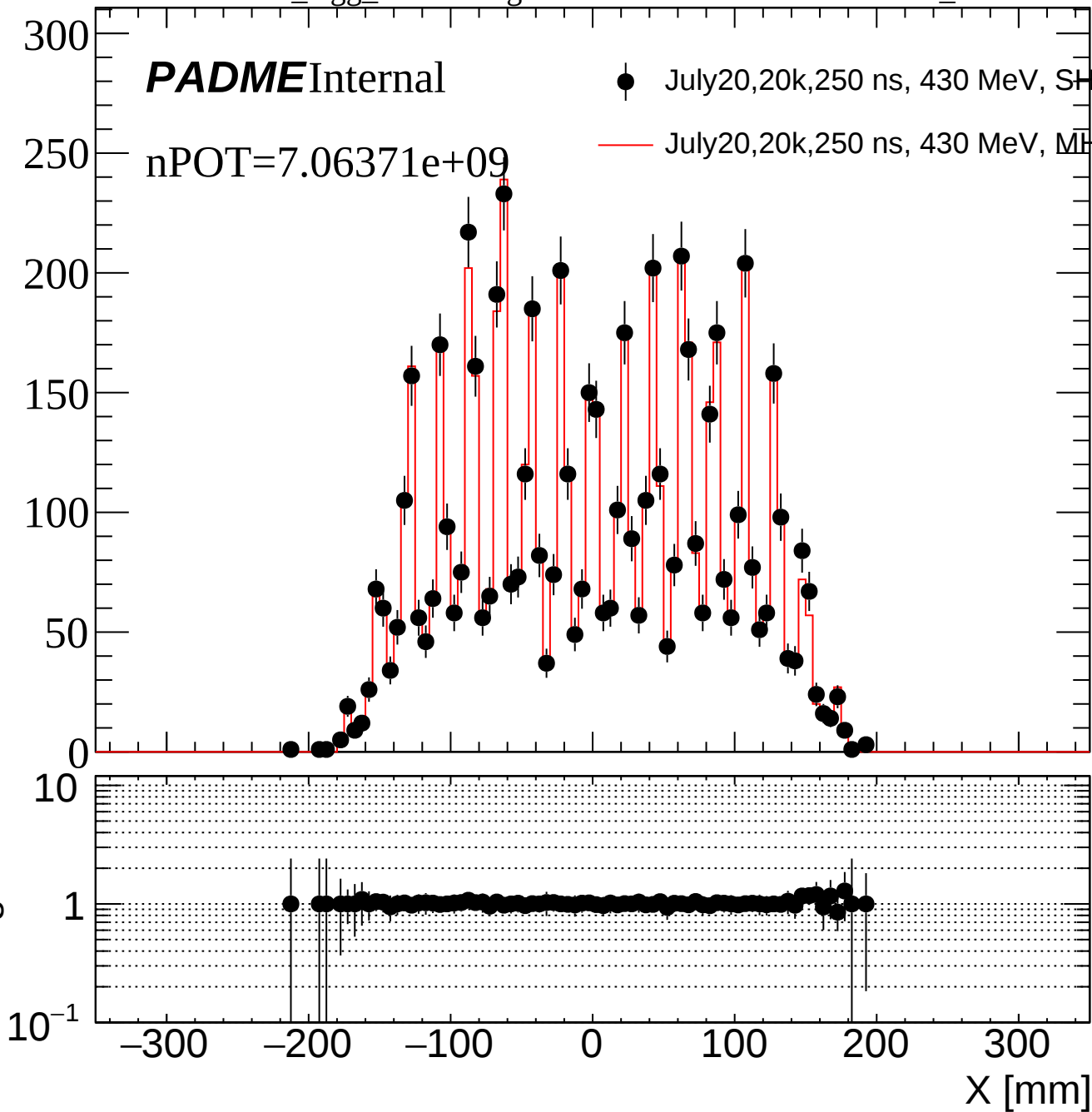
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

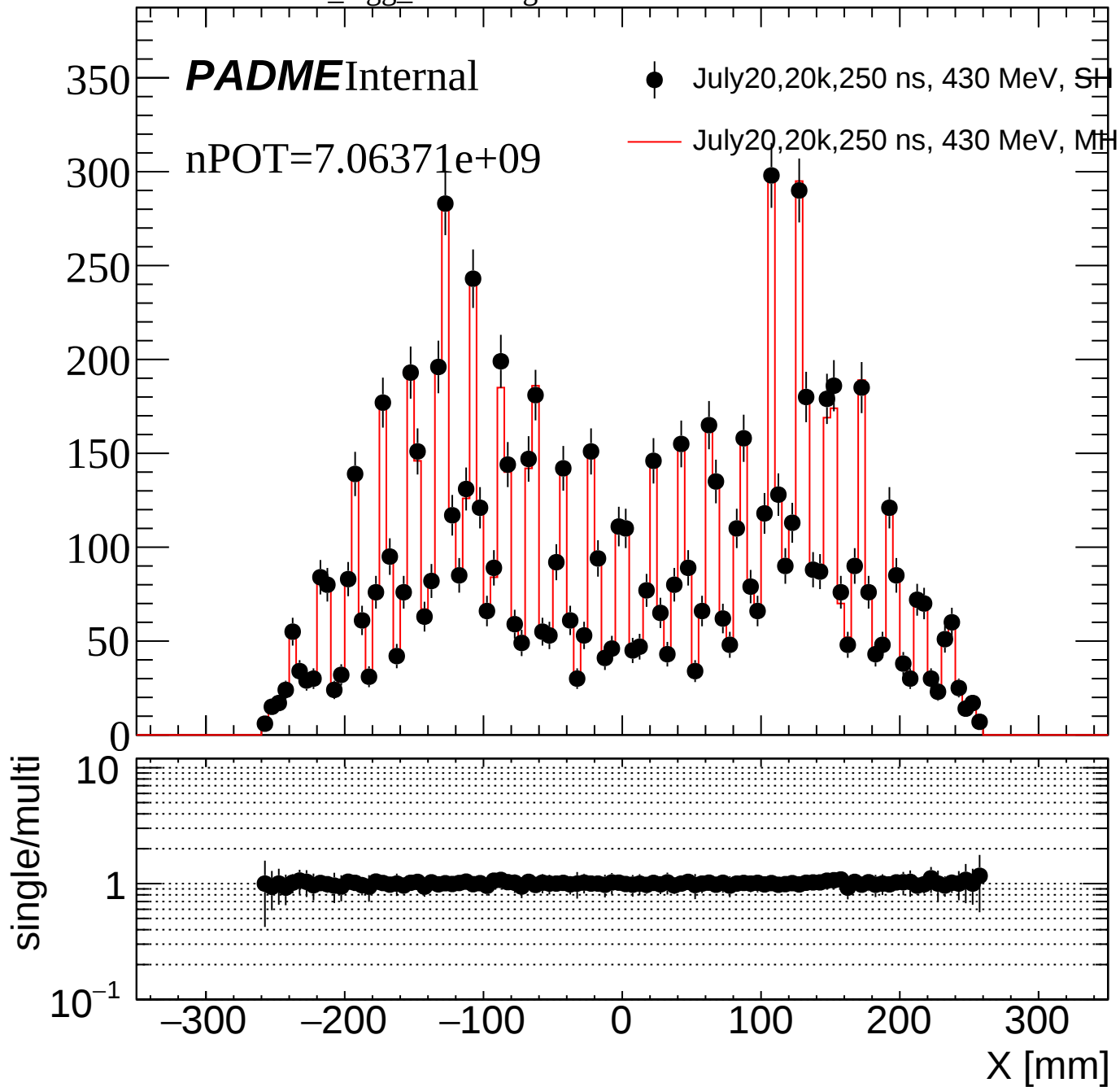
— July20,20k,250 ns, 430 MeV, MH

single/multi

X [mm]



ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90



ECAL_Xgg_10ns20DegreeDeltaThetaEThr90

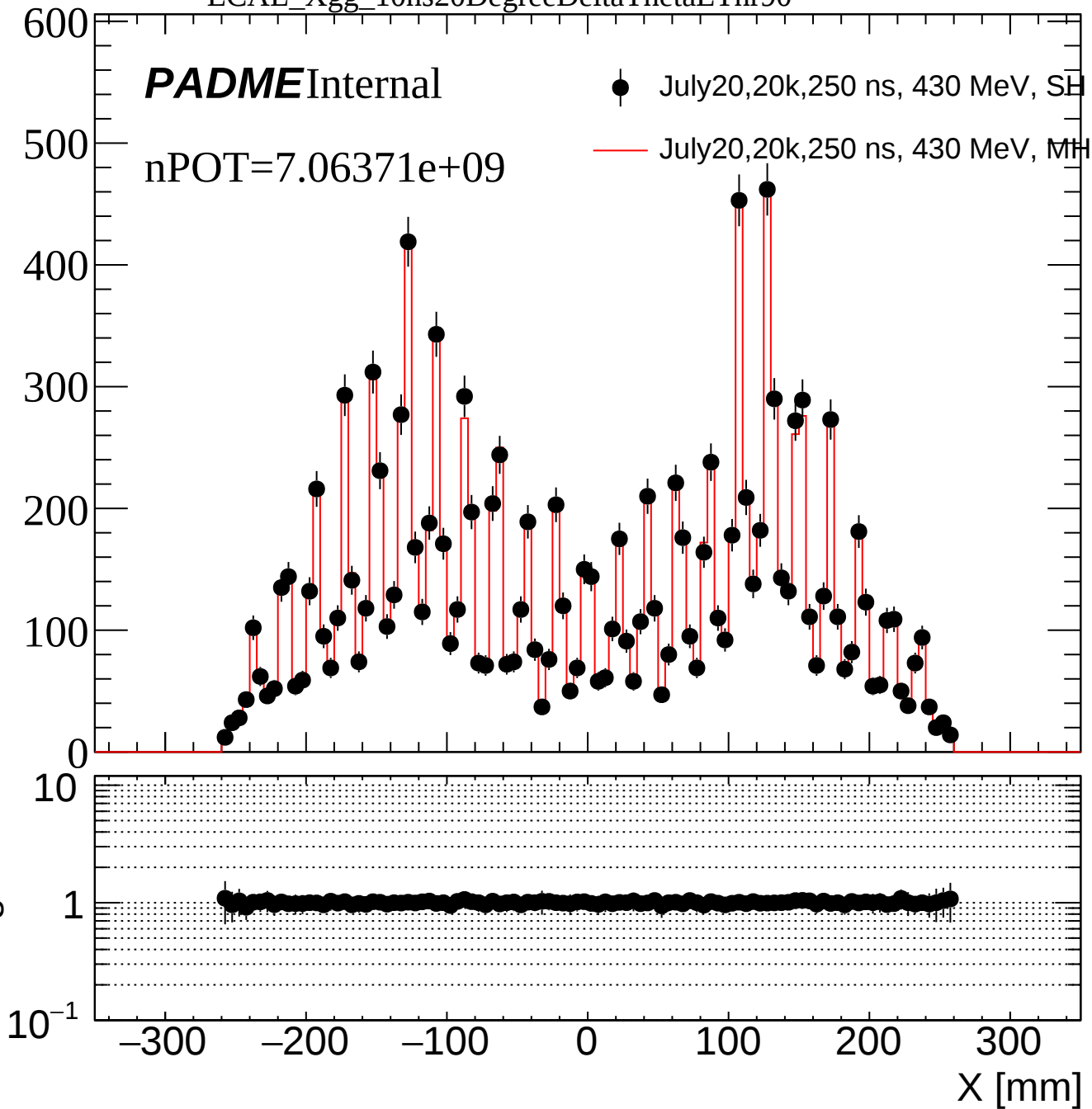
PADMEInternal

nPOT=7.06371e+09

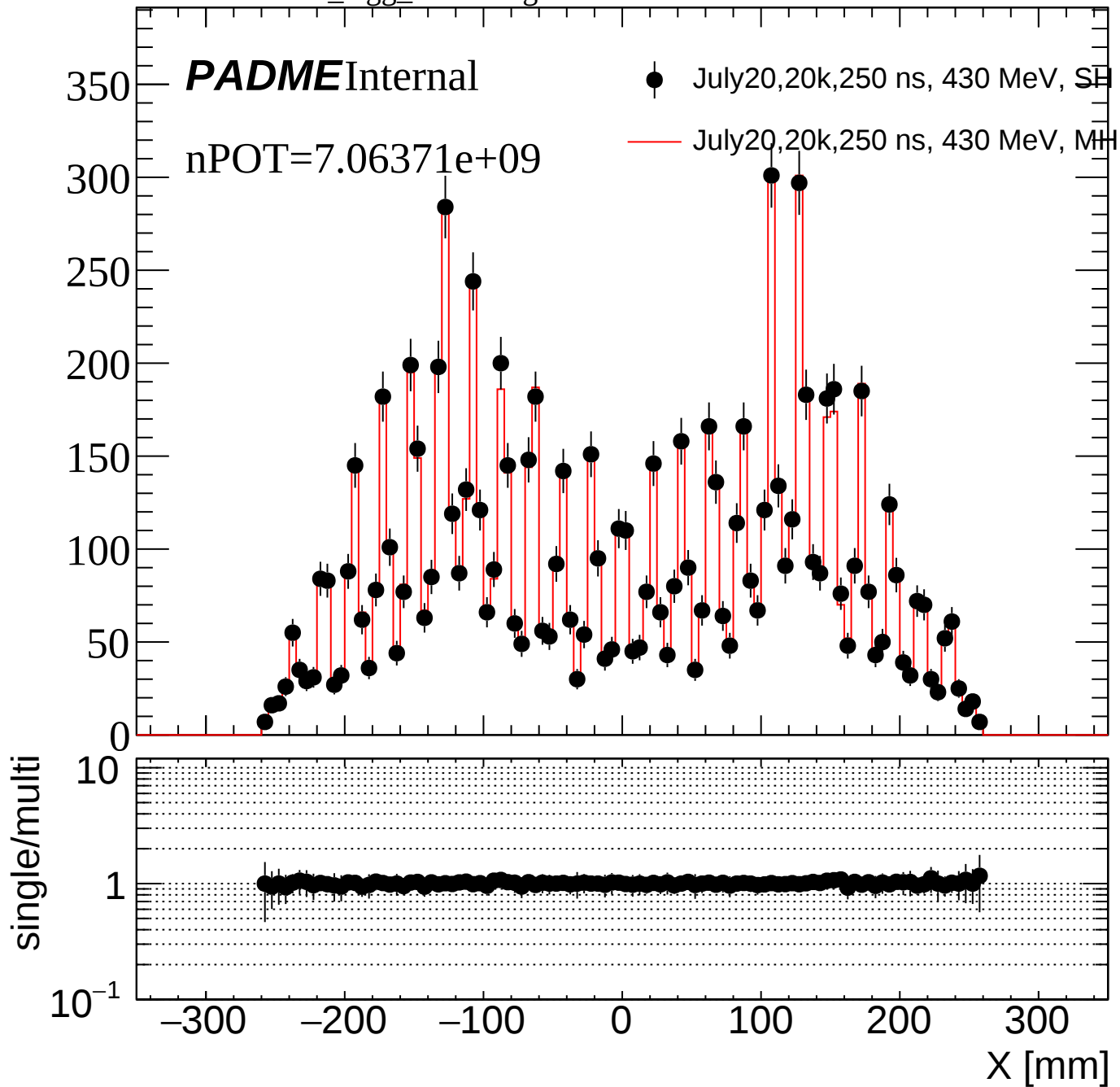
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns5DegreeDeltaThetaEThr90



ECAL_Xgg_10ns1CoG

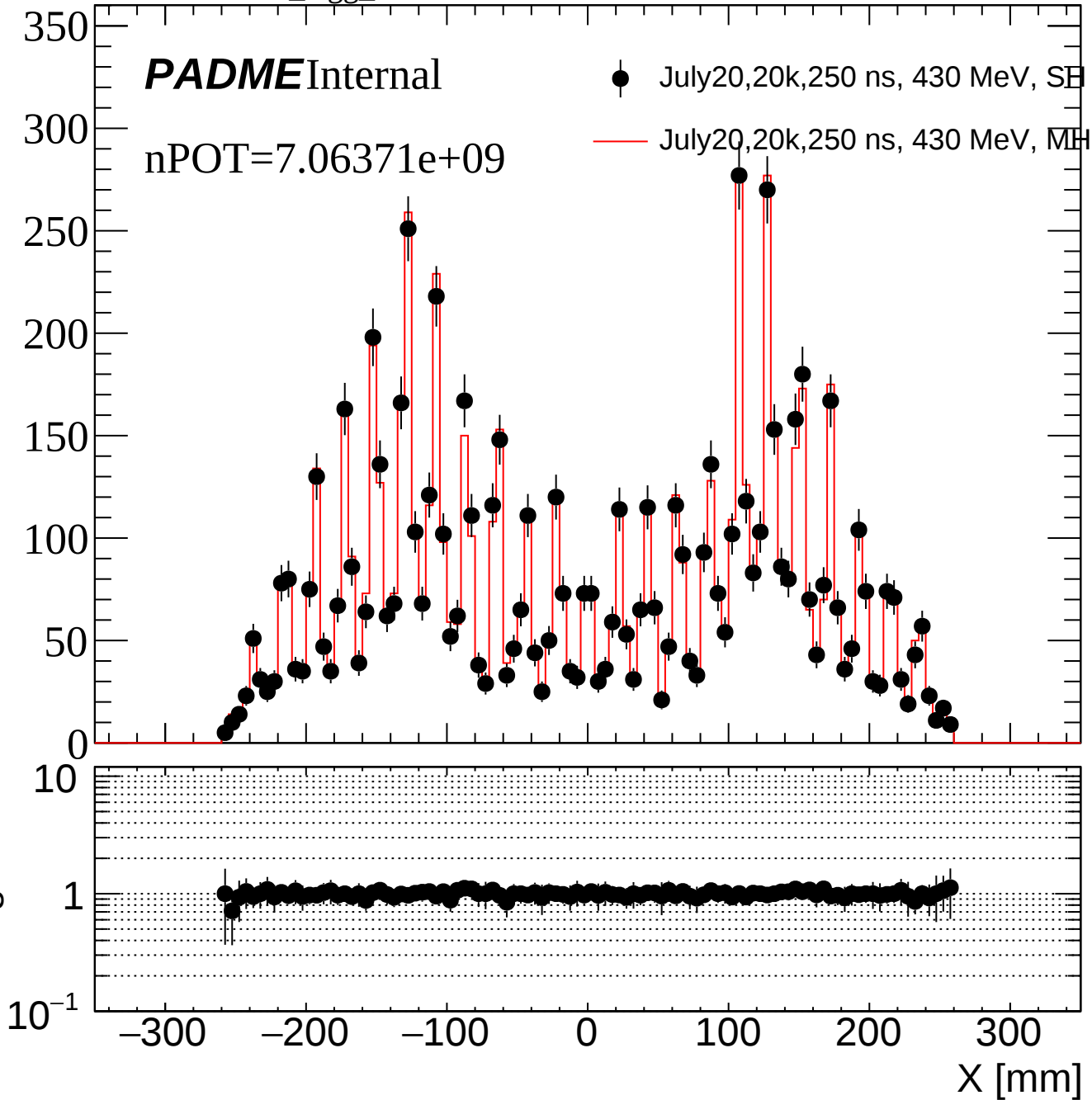
PADMEInternal

nPOT=7.06371e+09

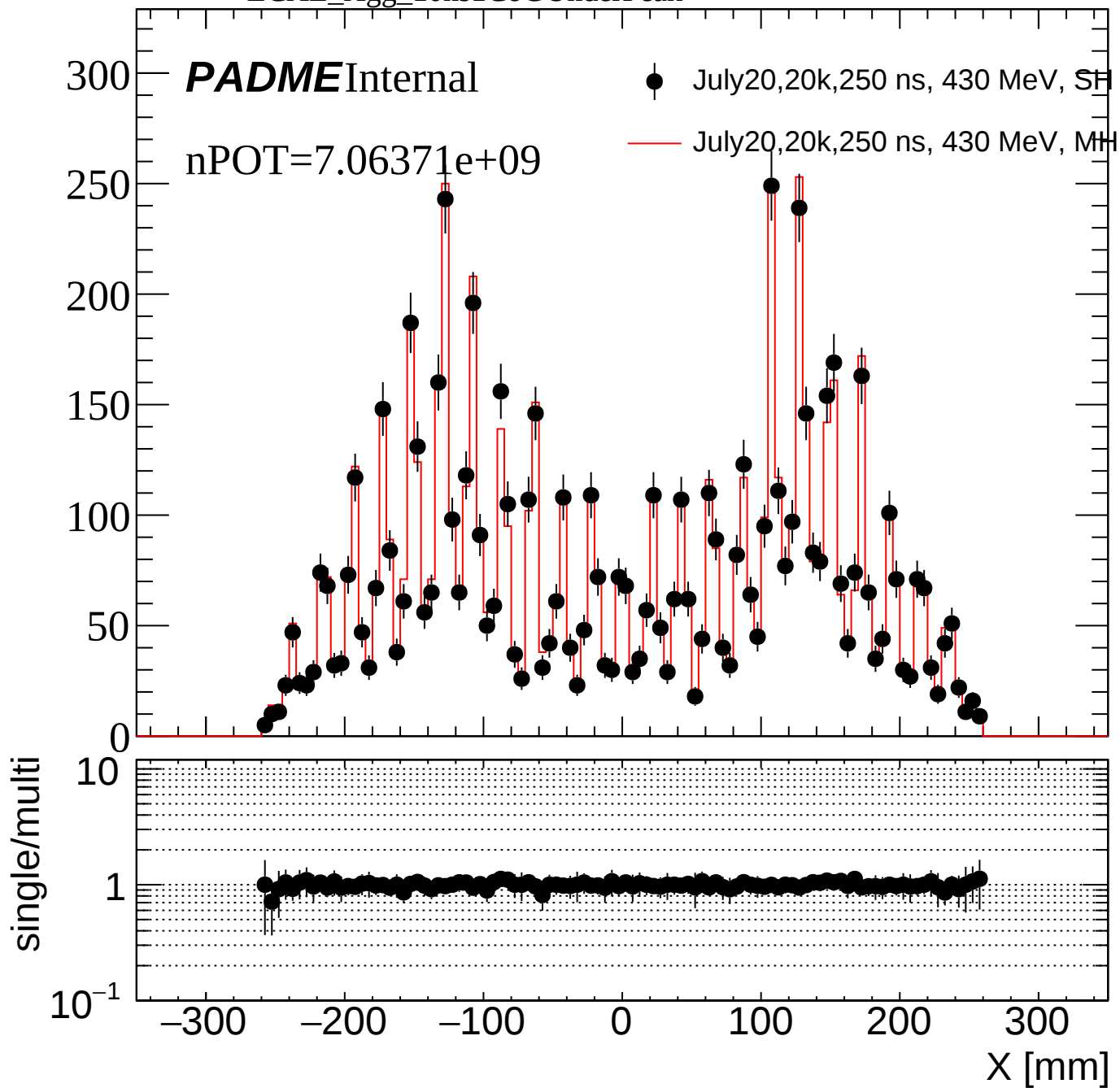
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

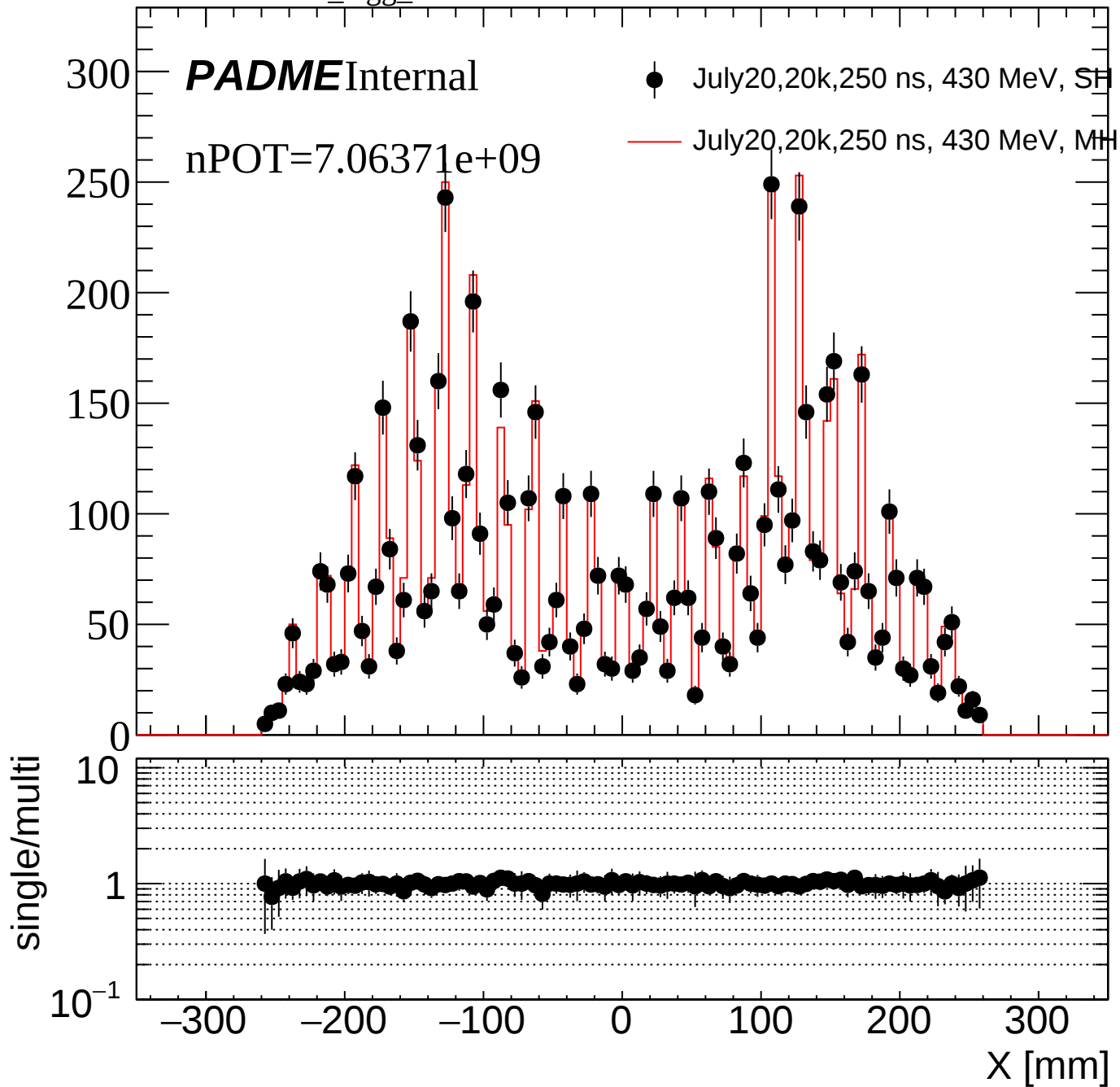
single/multi



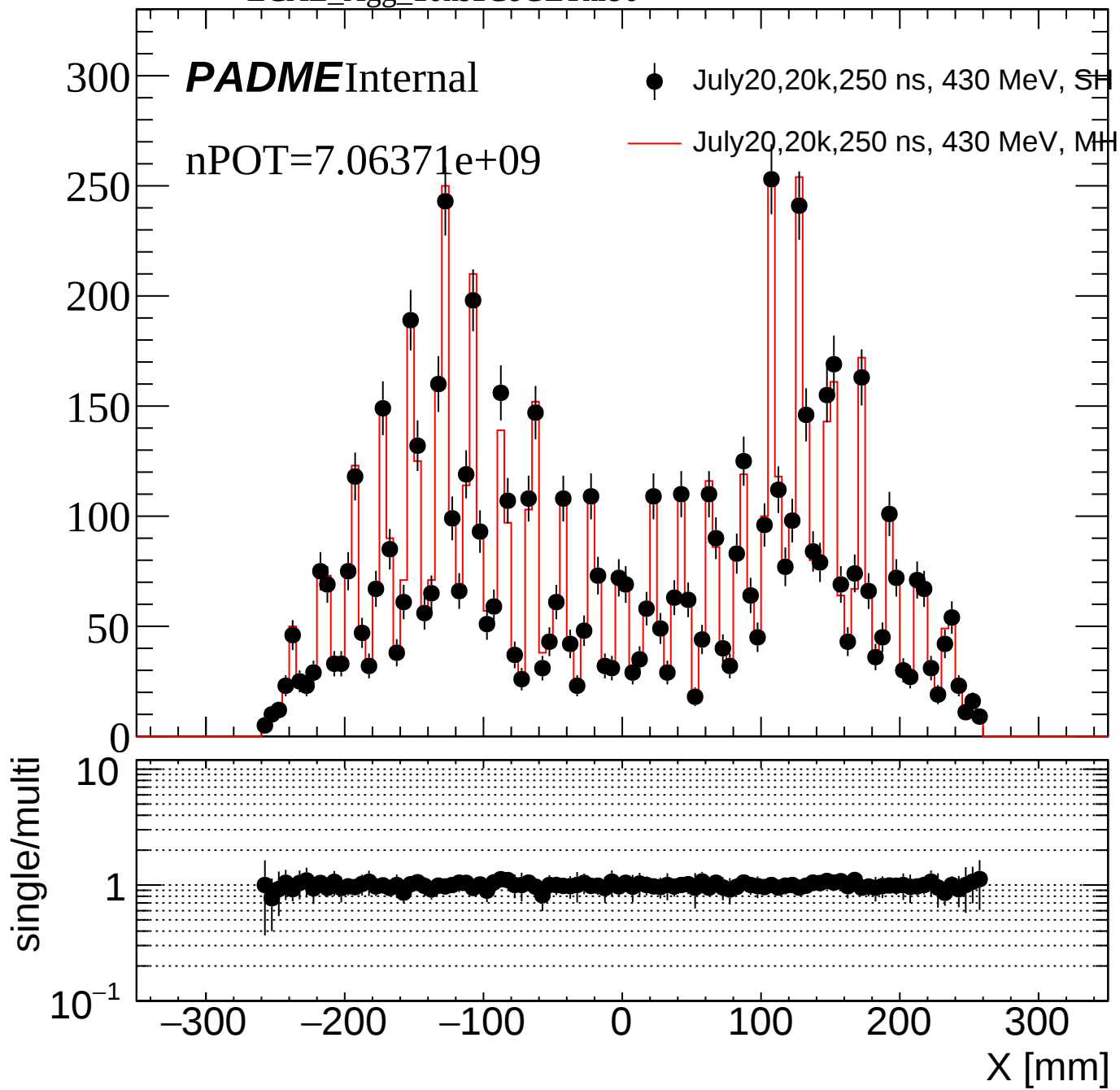
ECAL_Xgg_10ns1CoGUnderPeak



ECAL_Xgg_10ns1CoGUnderPeakEThr90



ECAL_Xgg_10ns1CoGEThr90



ECAL_Xgg_10ns1CoG20Degree

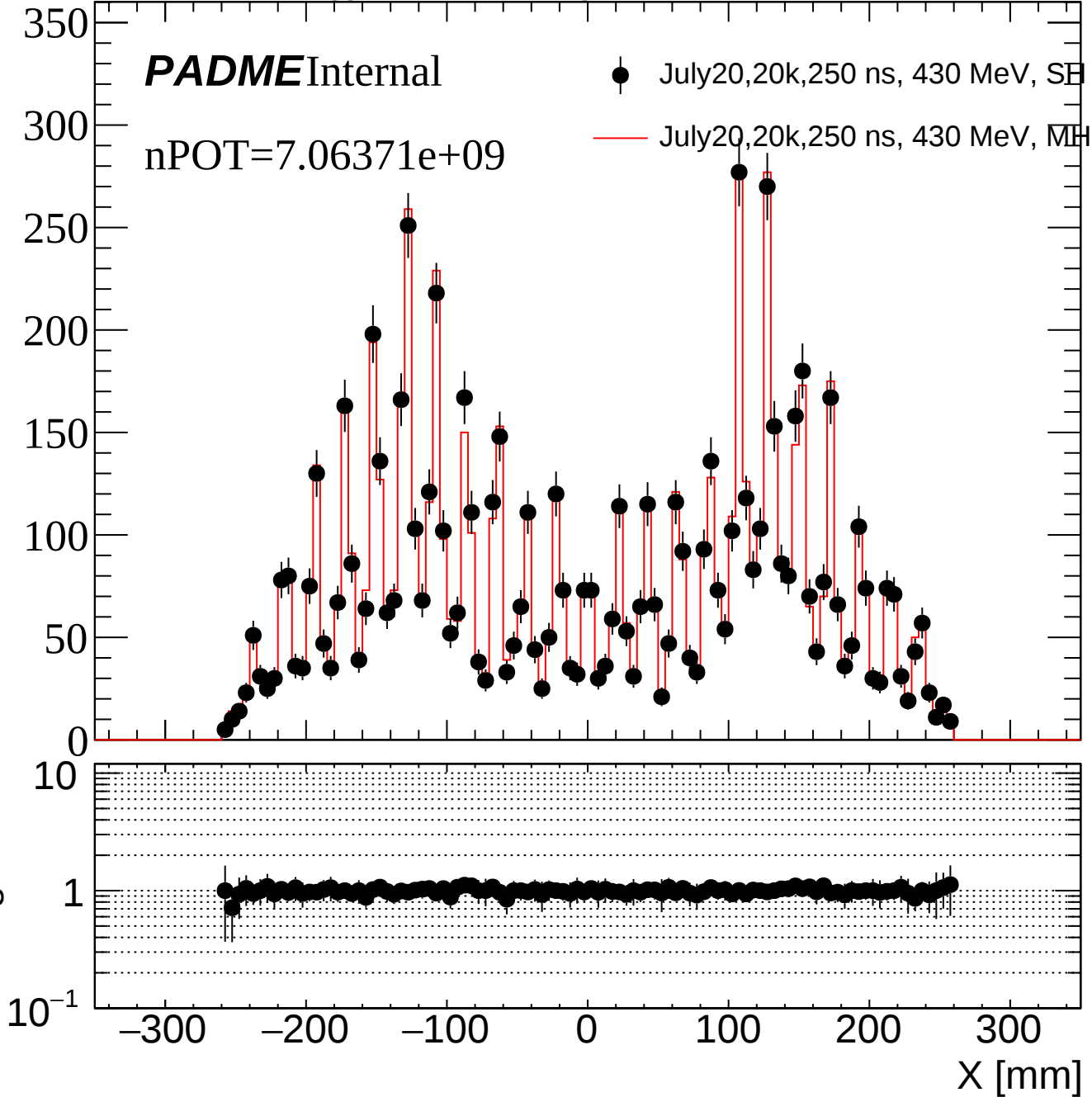
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns1CoG20DegreeDeltaTheta

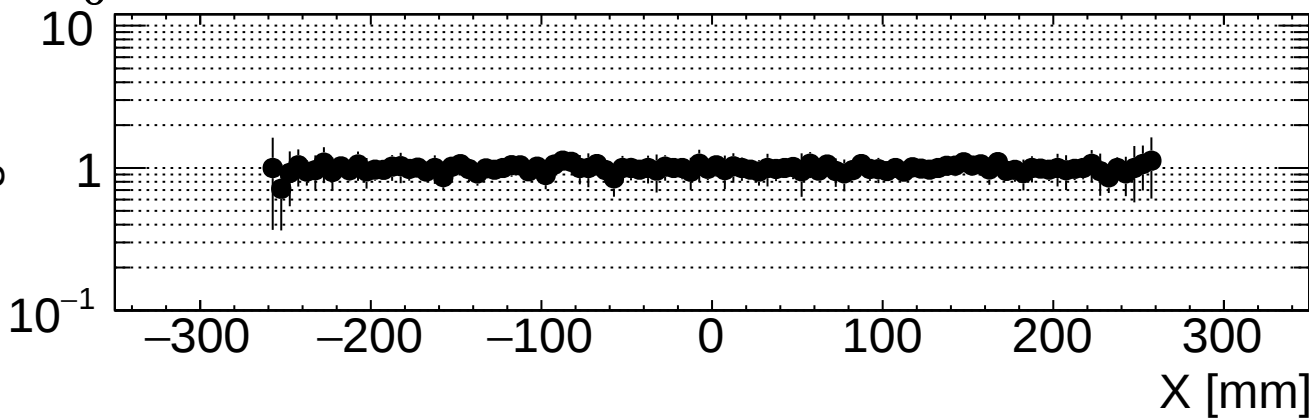
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns3CoG

PADMEInternal

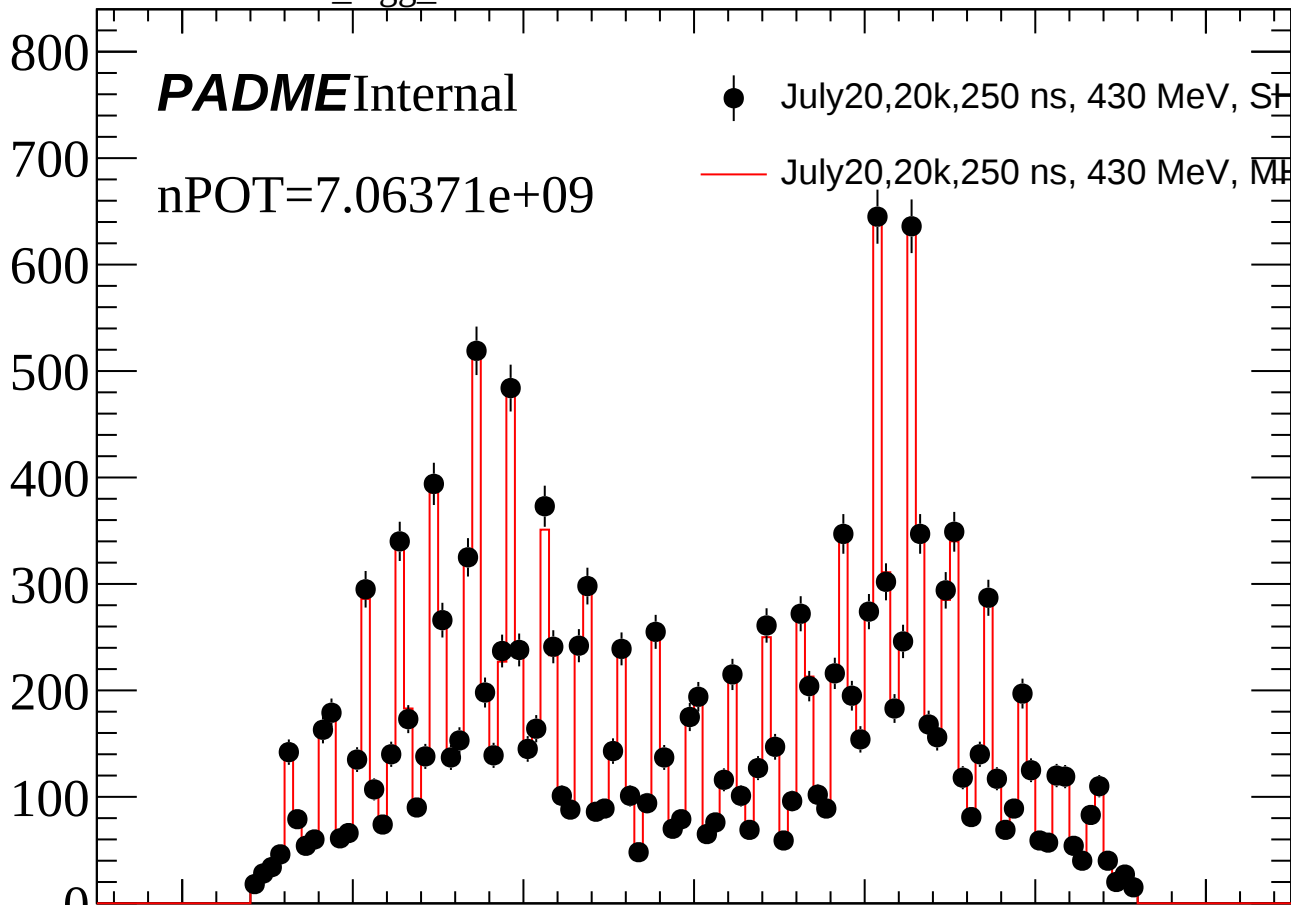
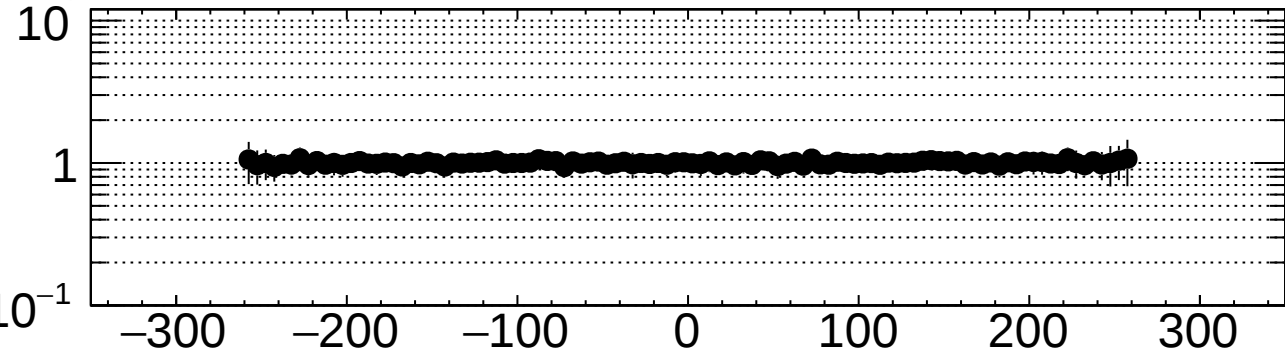
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

10^{-1}



X [mm]

ECAL_Xgg_10ns3CoGUnderPeak

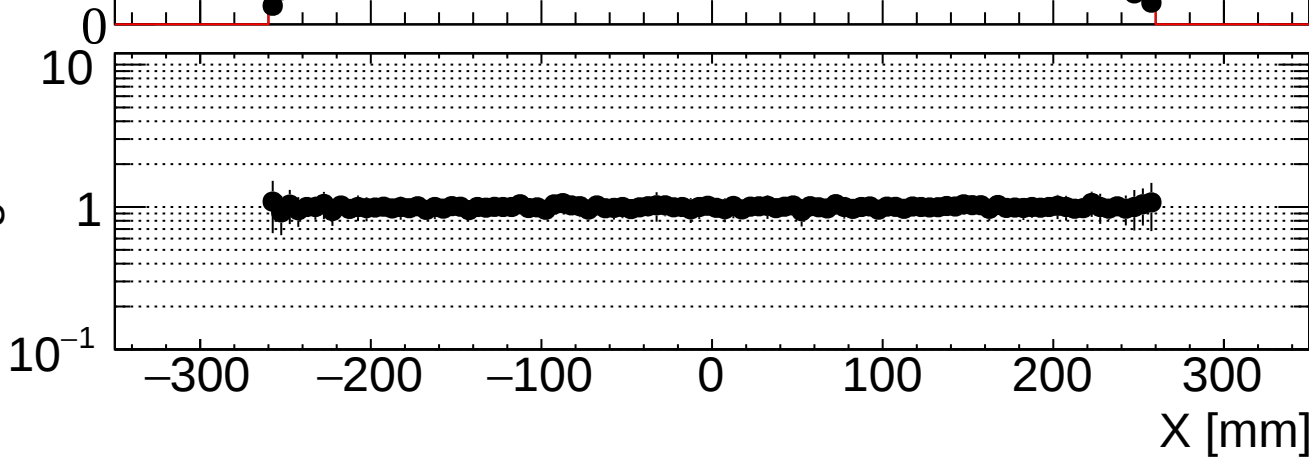
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Xgg_10ns3CoGUnderPeakEThr90

PADMEInternal

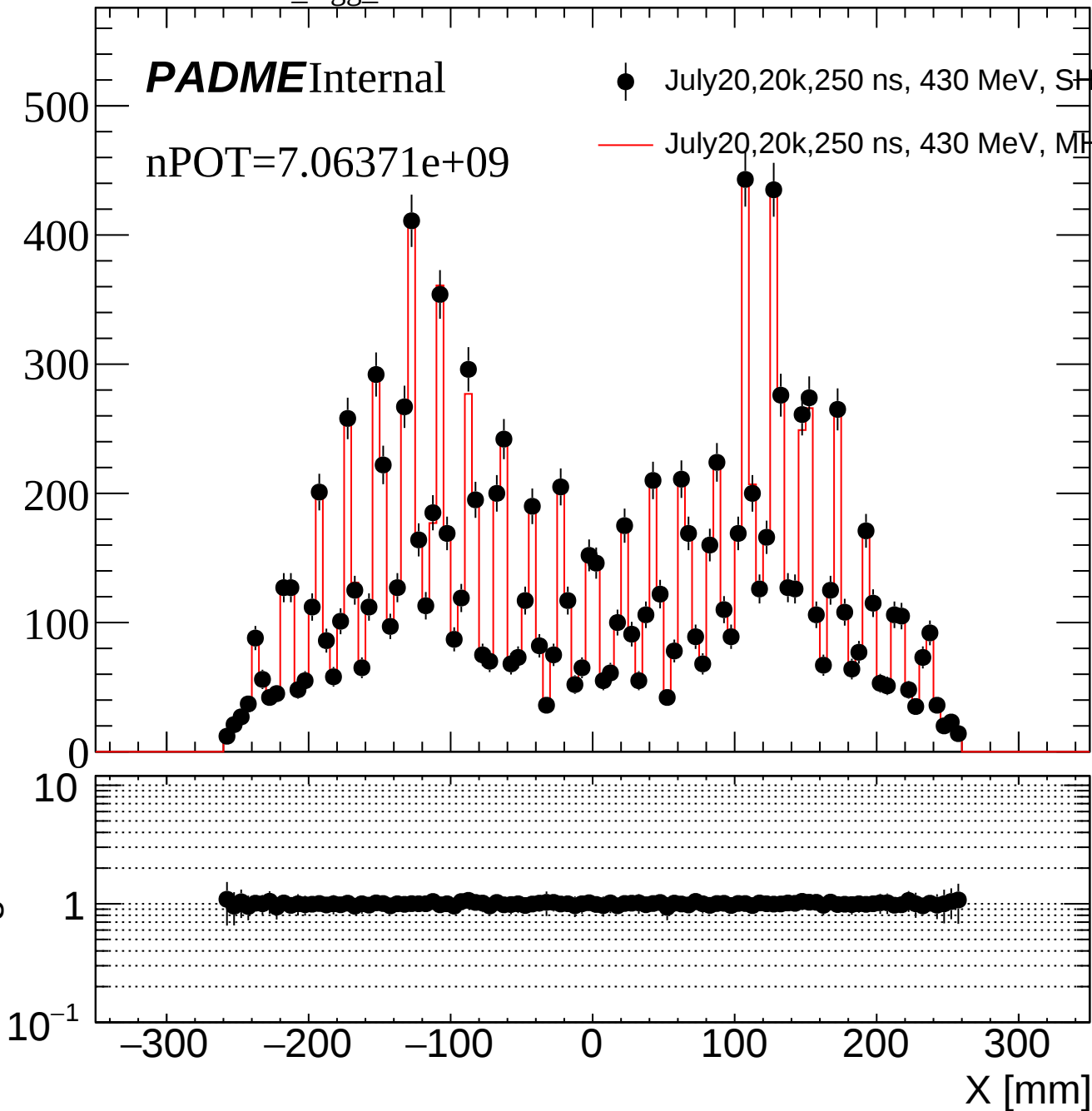
nPOT=7.06371e+09

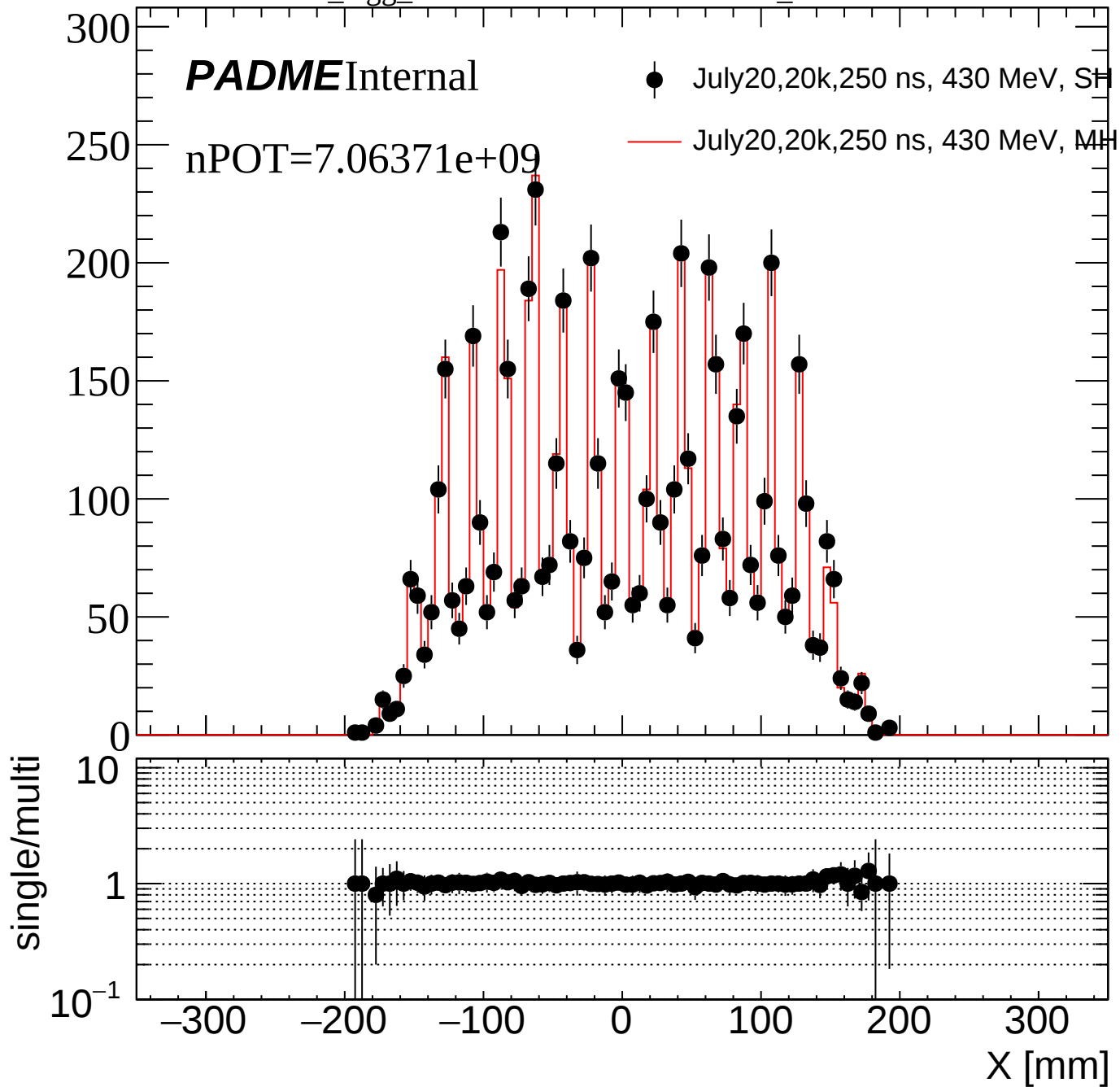
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

X [mm]





PADMEInternal

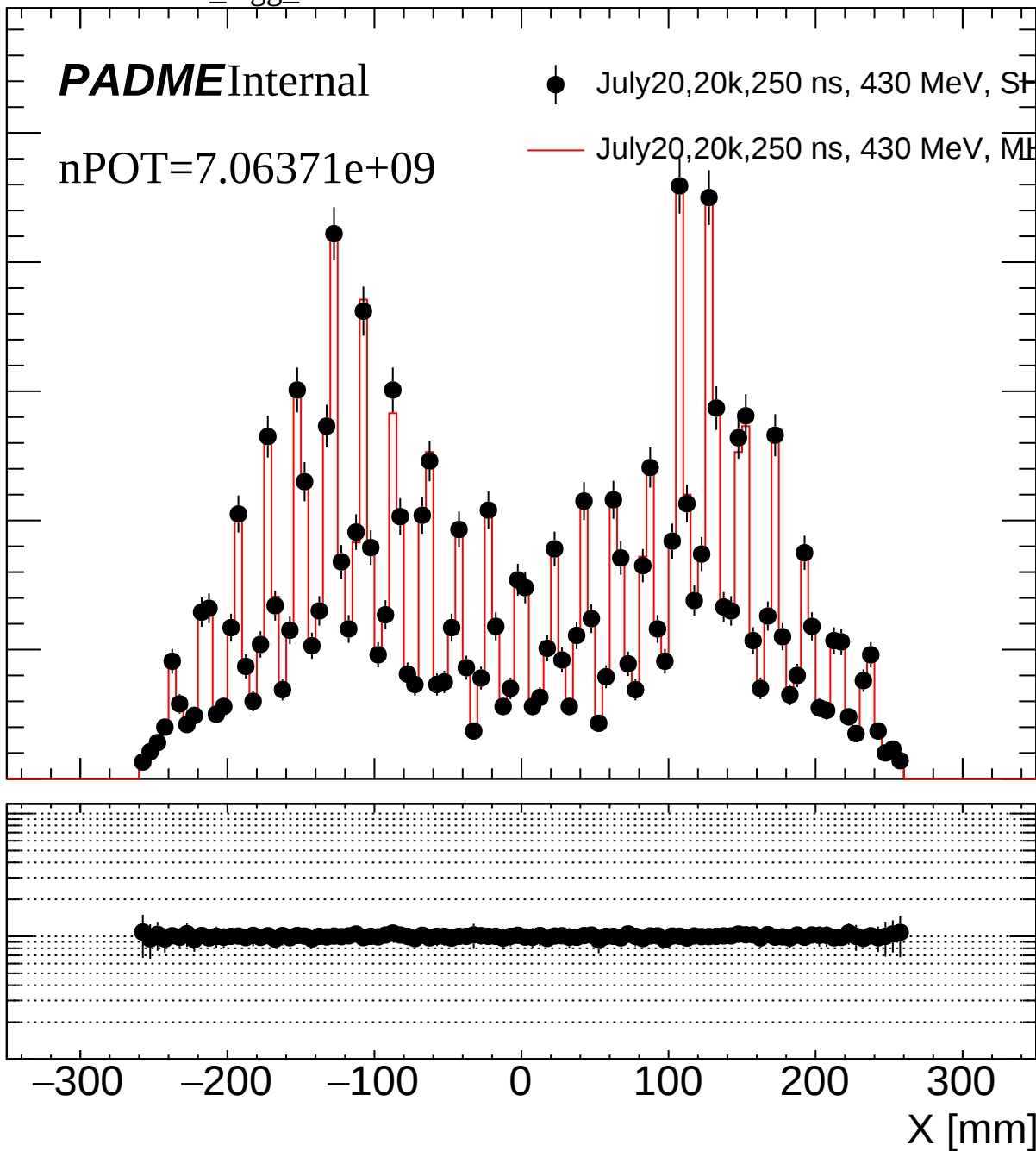
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

X [mm]

500
400
300
200
100
0
10
1
10⁻¹

ECAL_Xgg_10ns5CoG

PADMEInternal

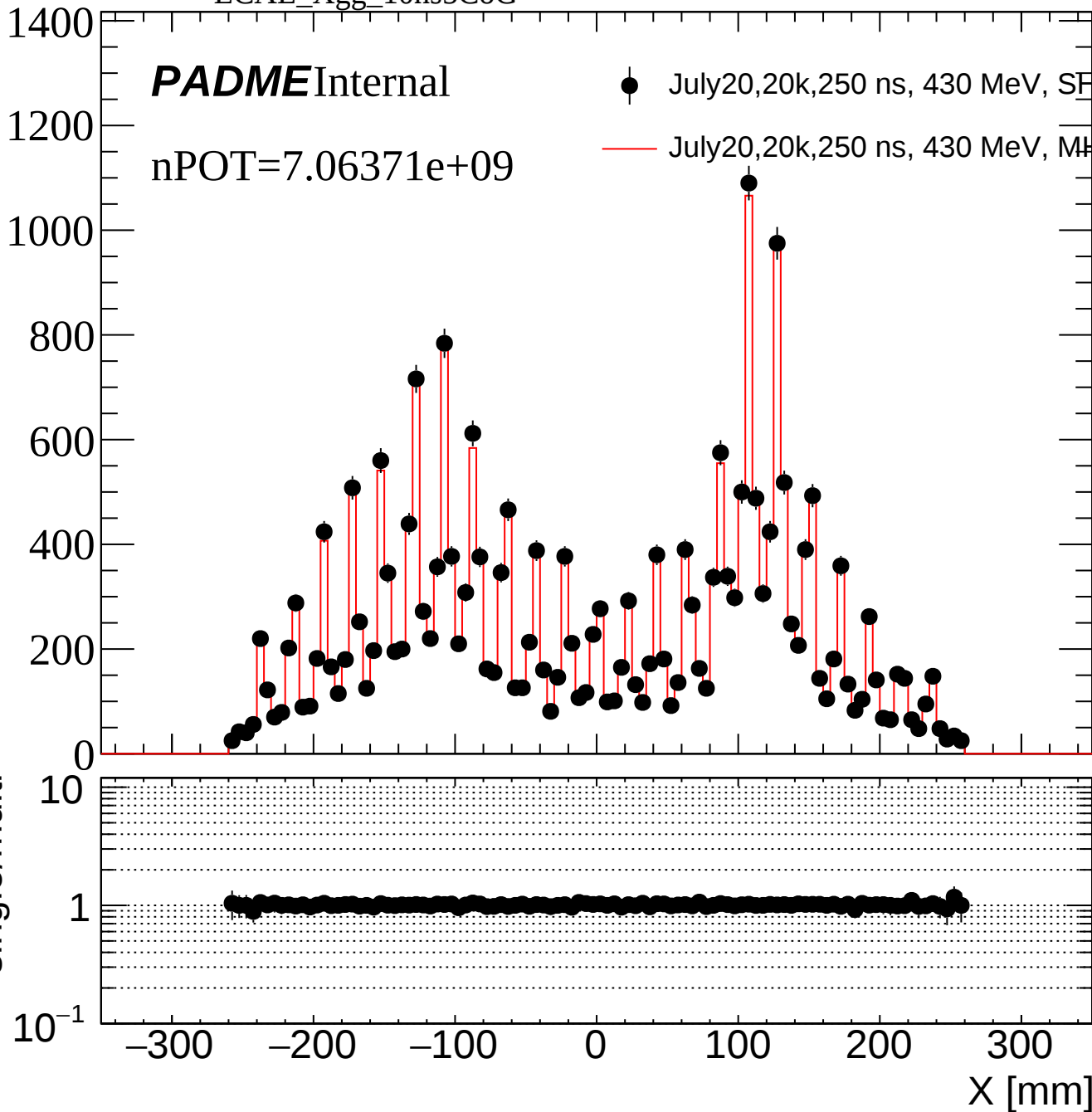
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

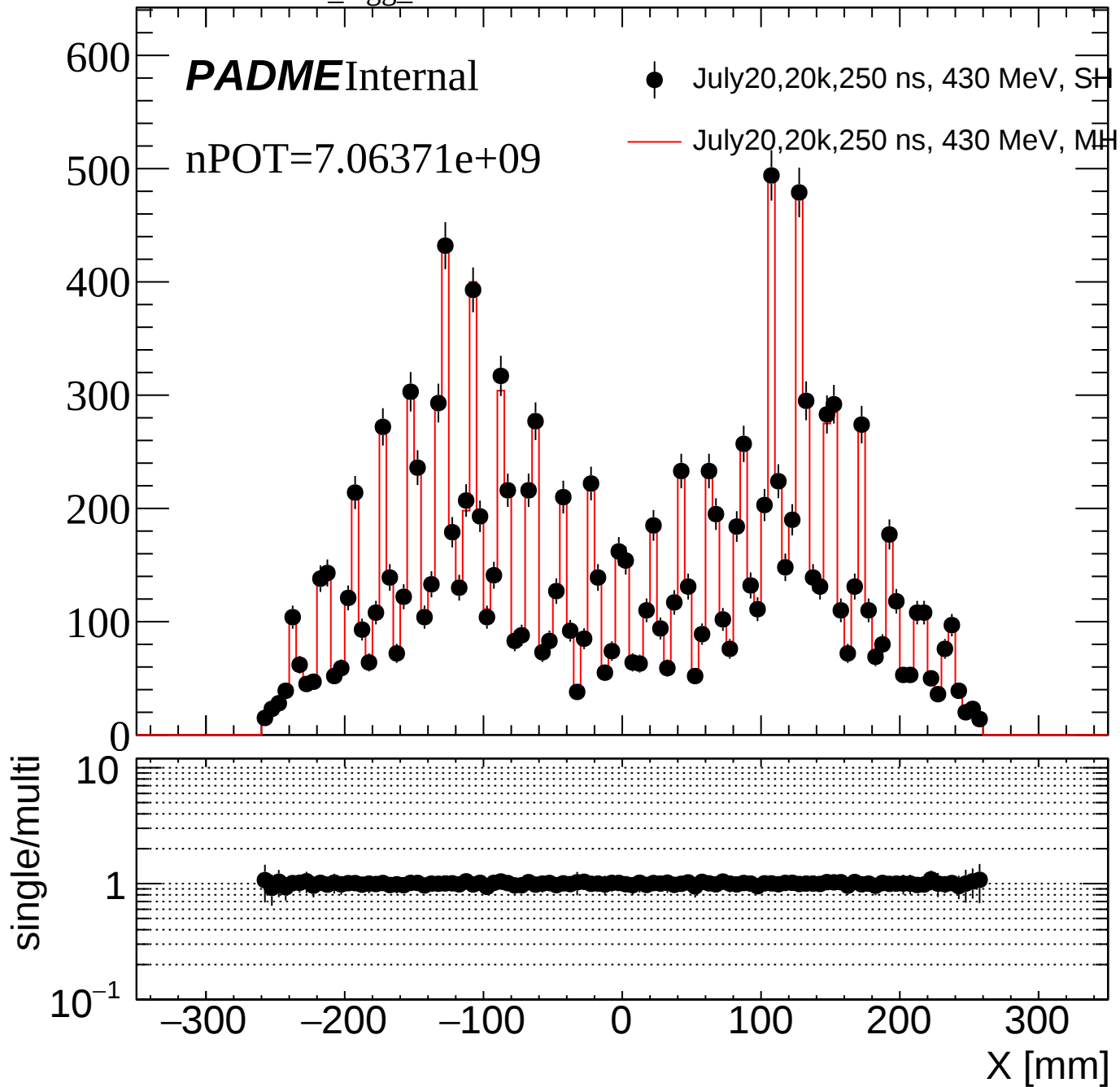
— July20,20k,250 ns, 430 MeV, MH

single/multi

X [mm]



ECAL_Xgg_10ns5CoGUnderPeak



ECAL_Xgg_10ns5CoGUnderPeakEThr90

PADMEInternal

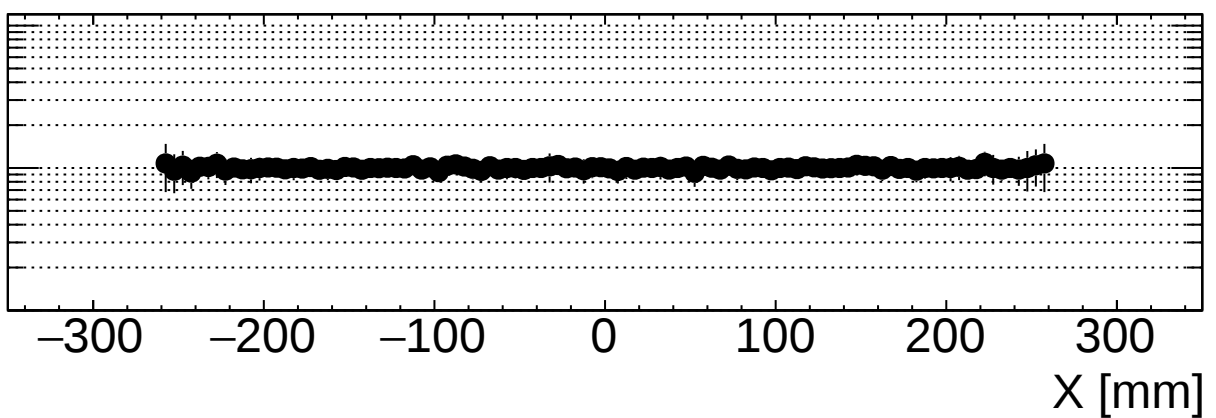
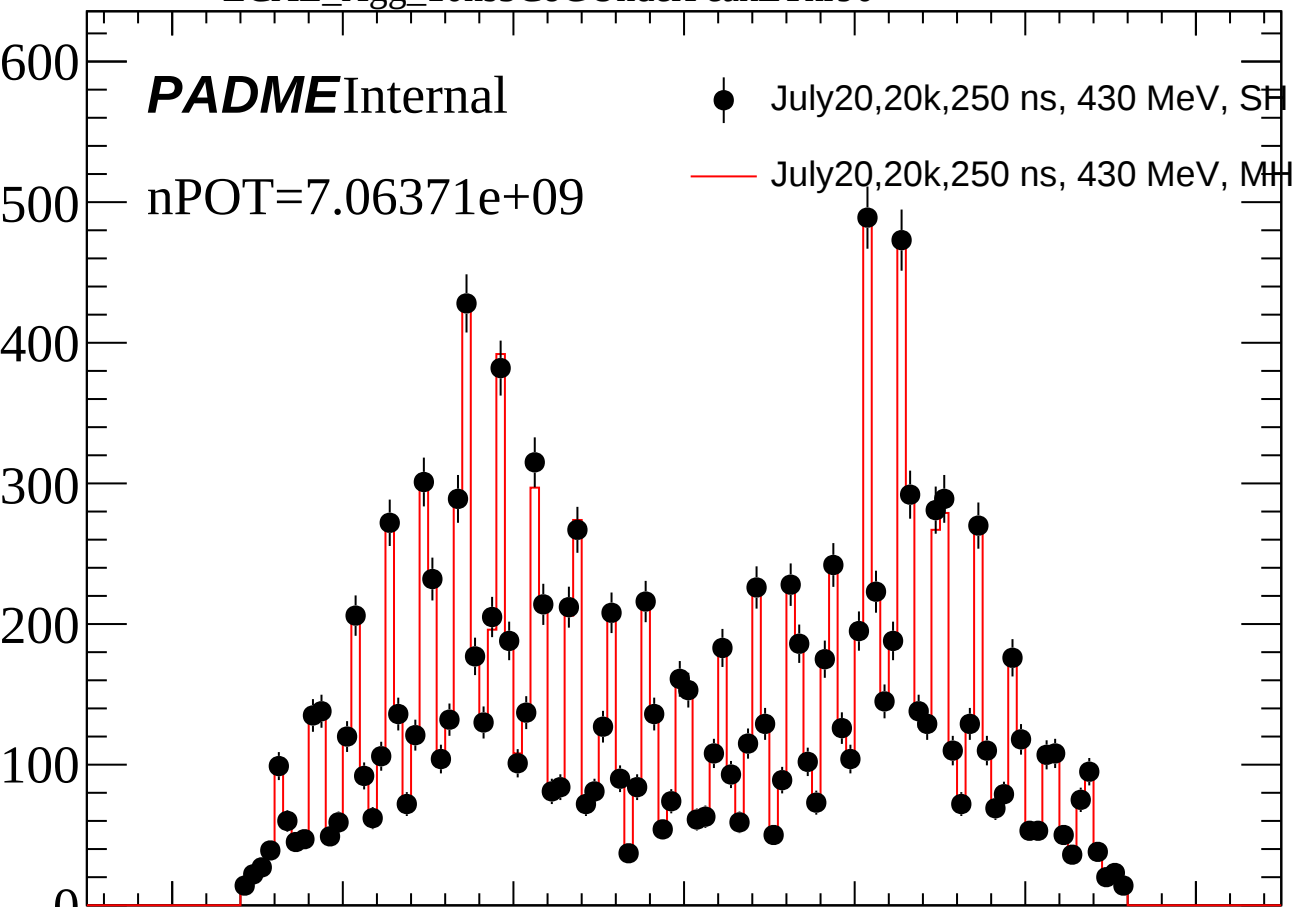
nPOT=7.06371e+09

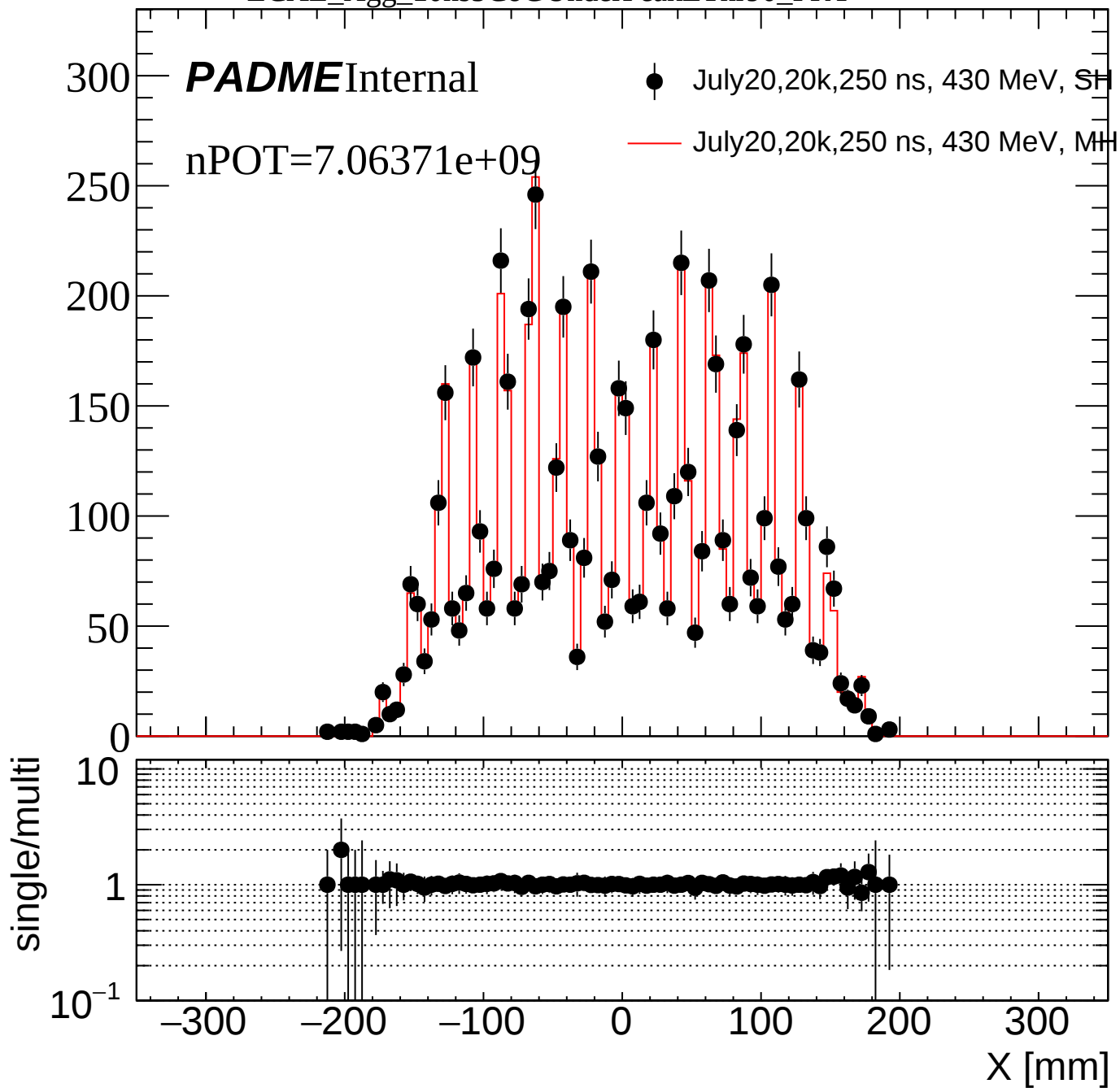
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

10^{-1}





ECAL_Xgg_10ns5CoGEThr90

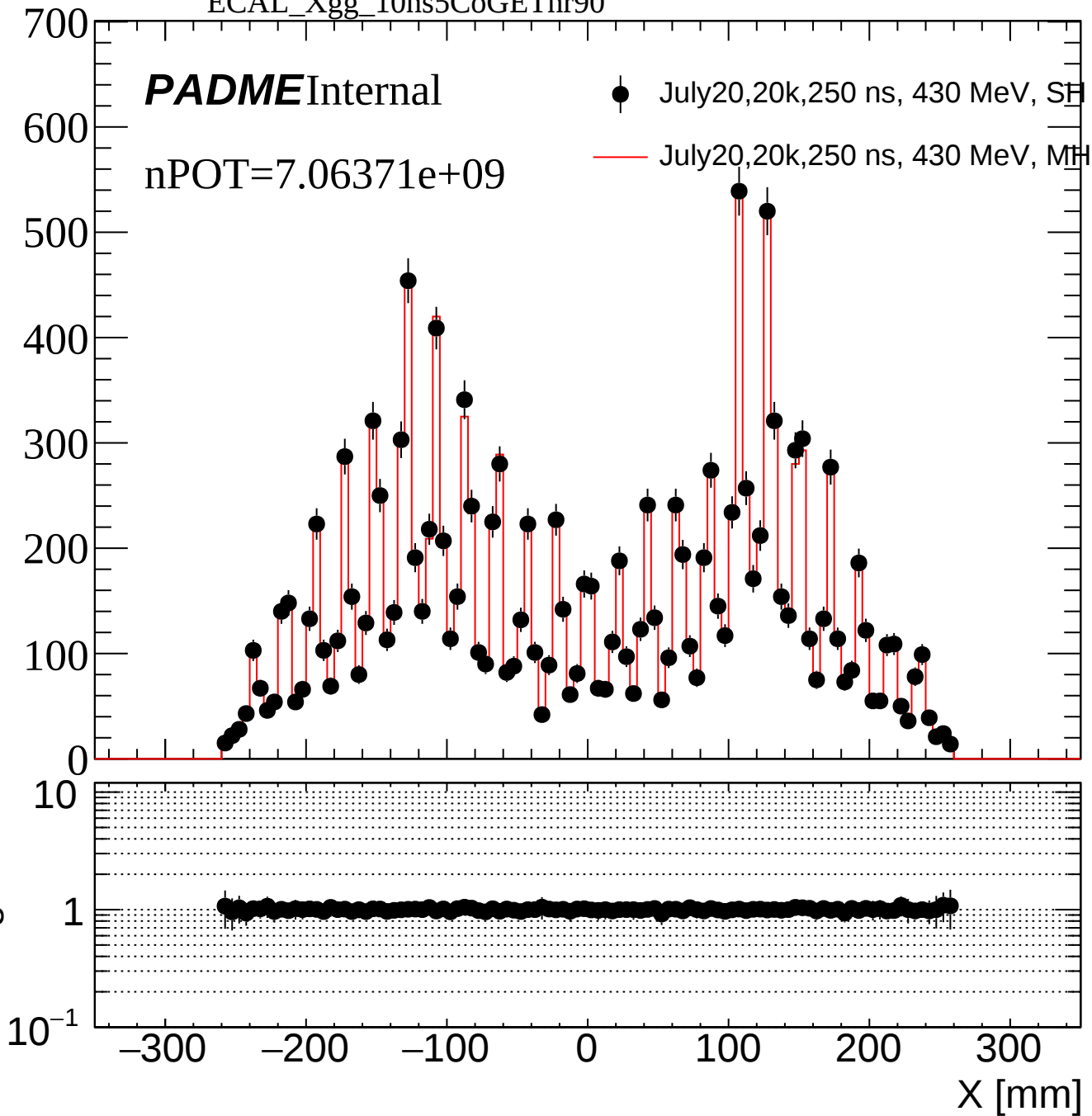
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Ygg_10ns

PADMEInternal

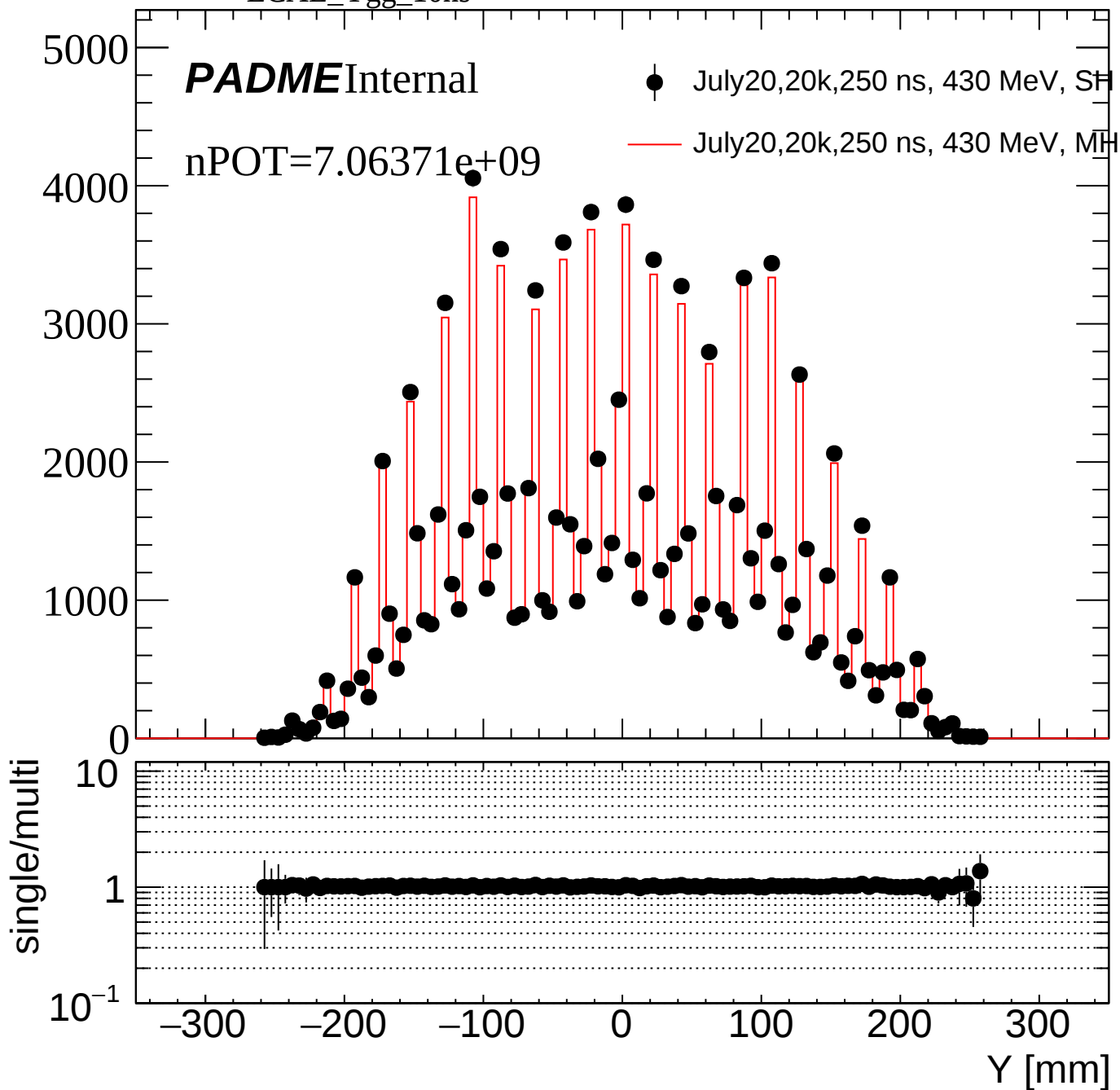
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

Y [mm]



ECAL_Ygg_10ns20Degree

PADMEInternal

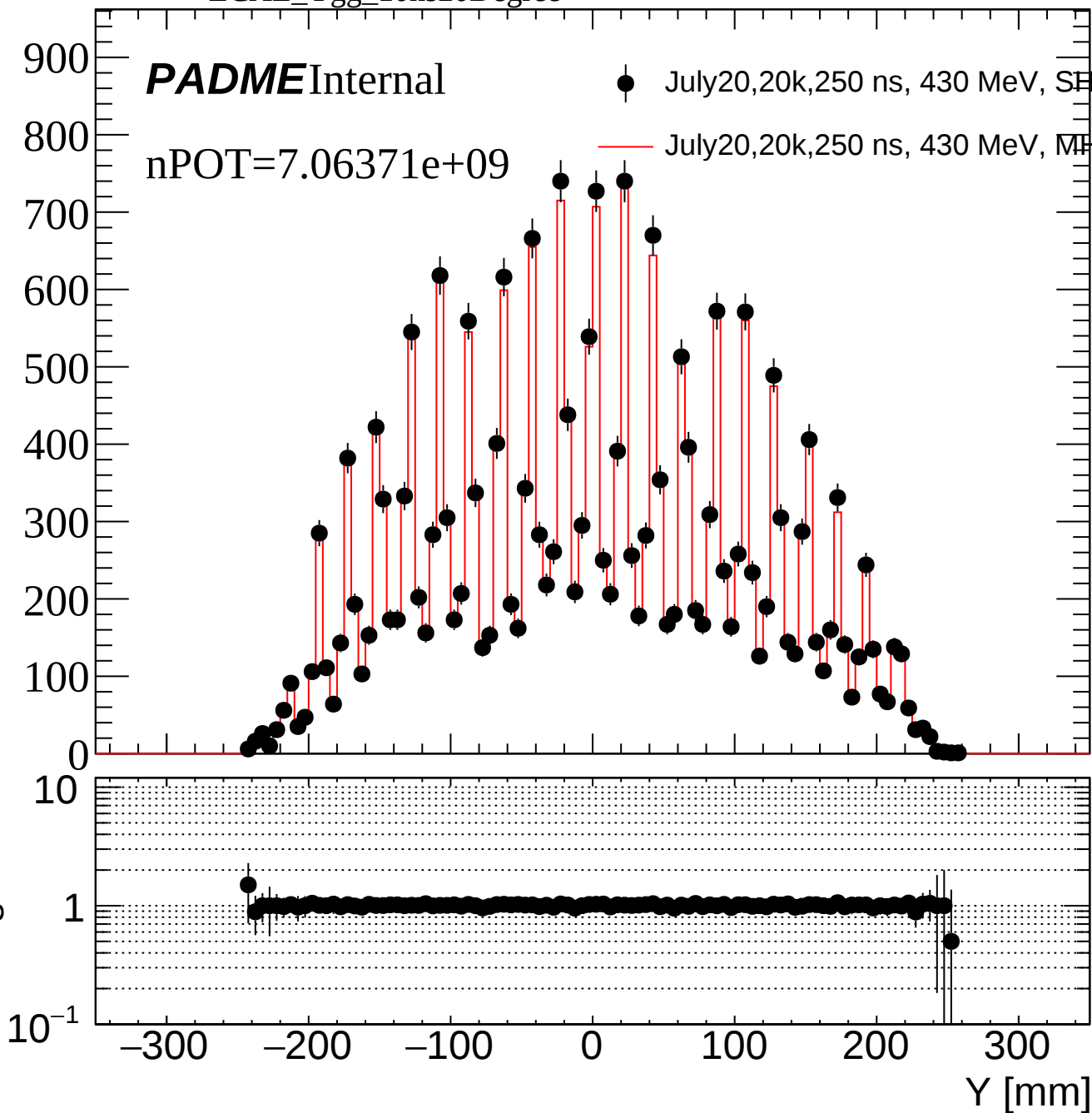
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

Y [mm]



ECAL_Ygg_10ns20DegreeDeltaTheta

PADMEInternal

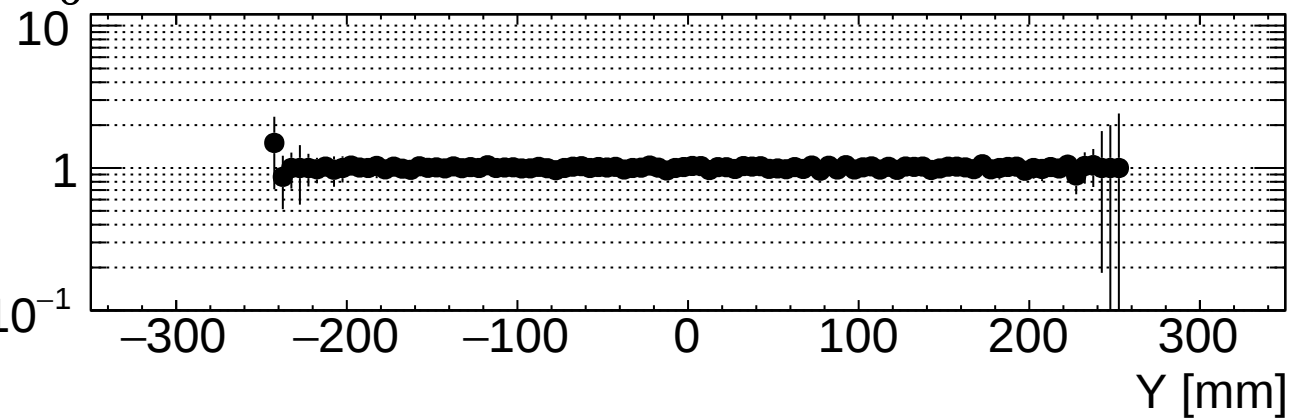
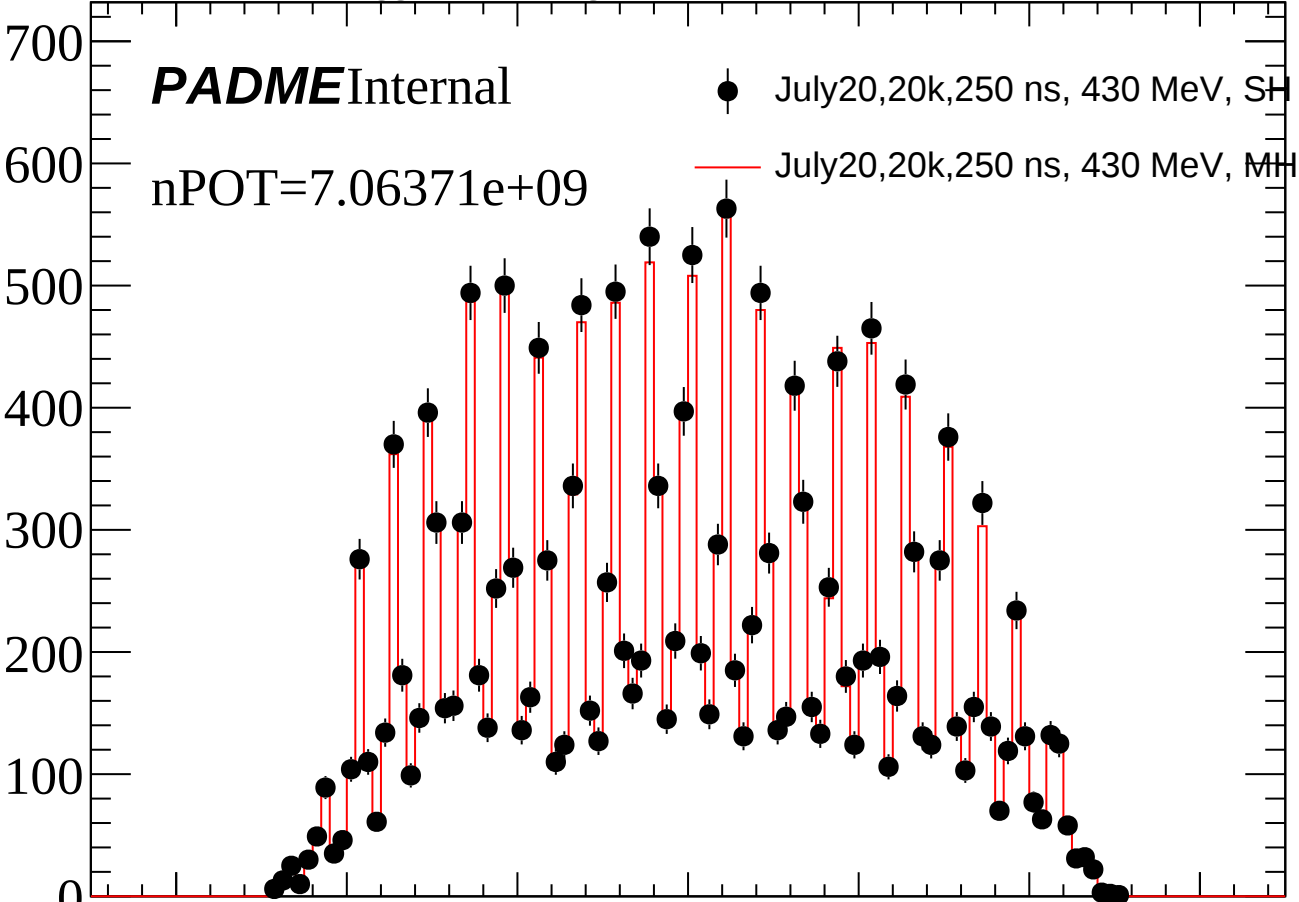
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

10^{-1}



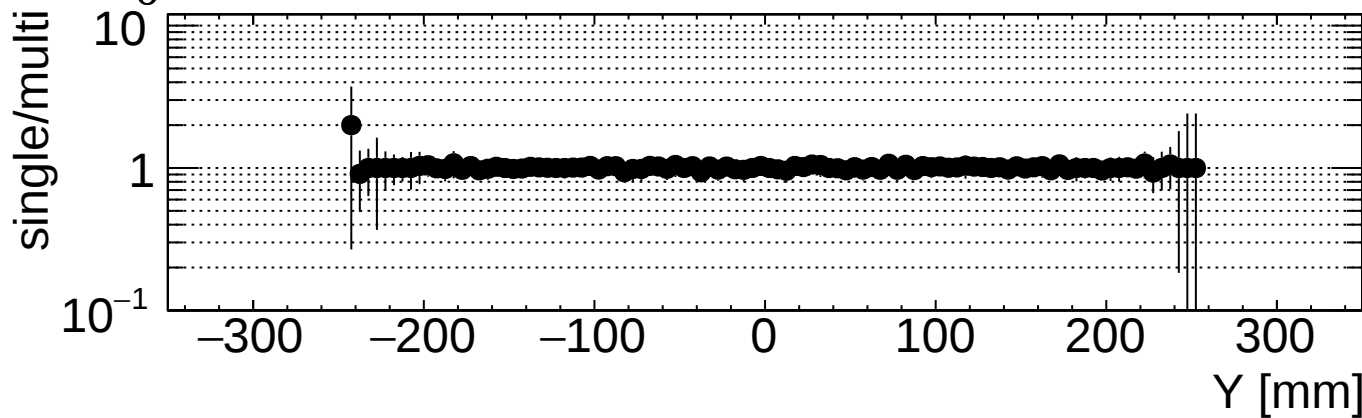
ECAL_Ygg_10ns5DegreeDeltaTheta

PADMEInternal

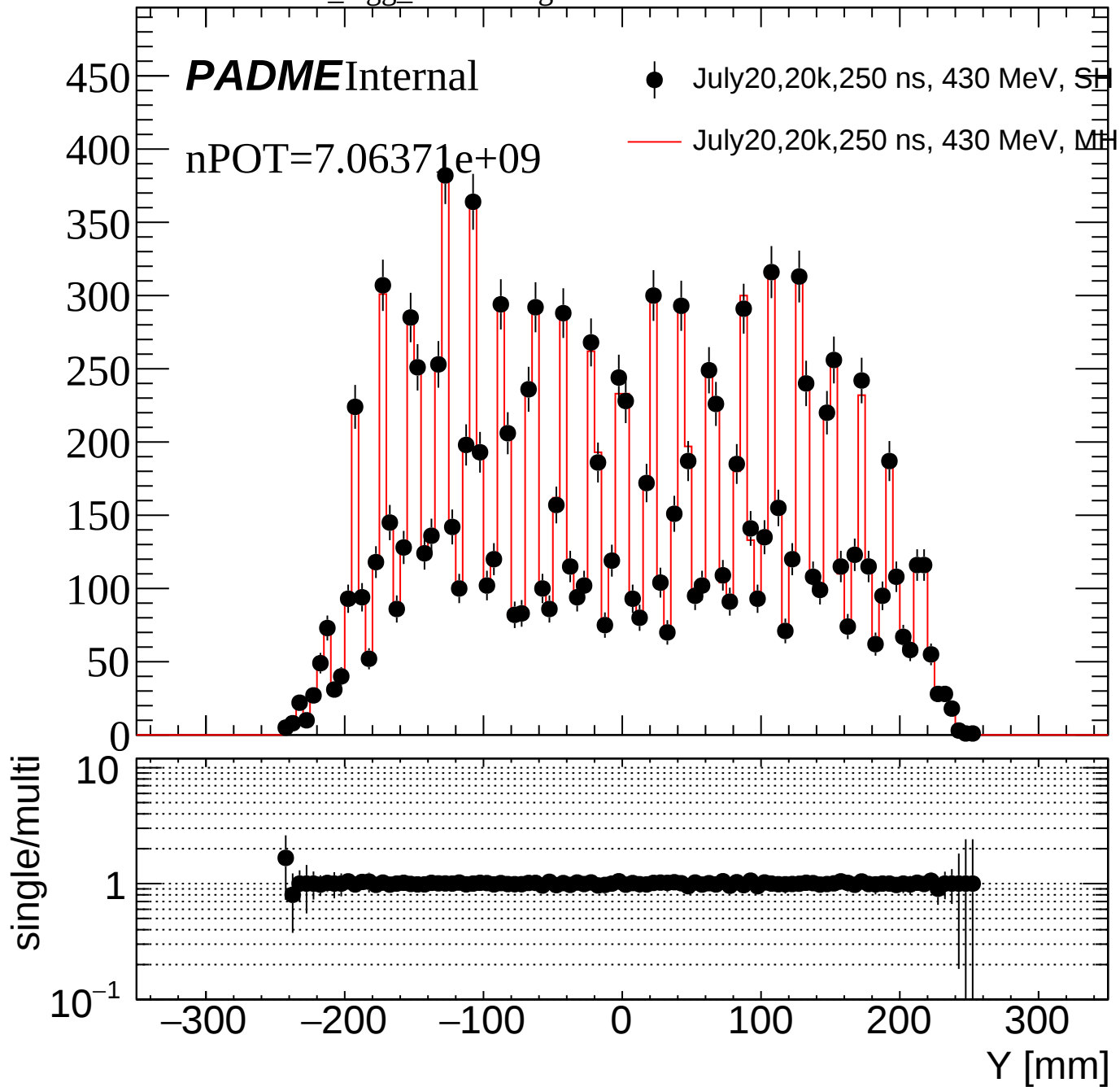
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SP

— July20,20k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak



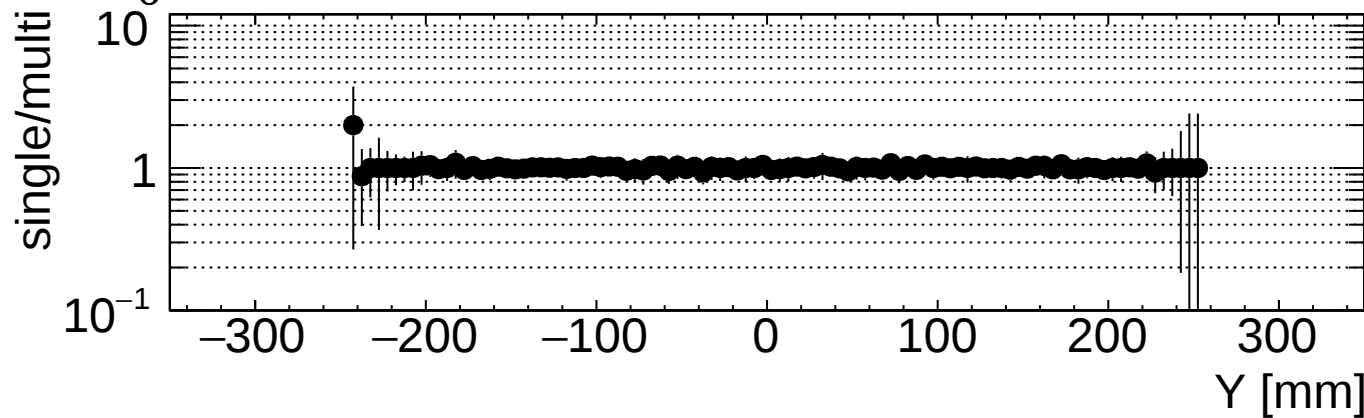
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



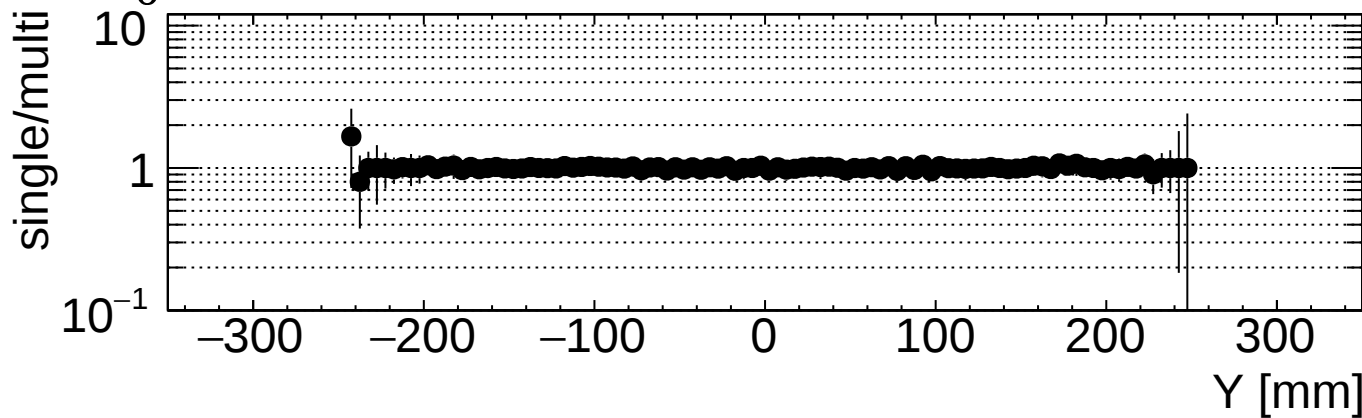
ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

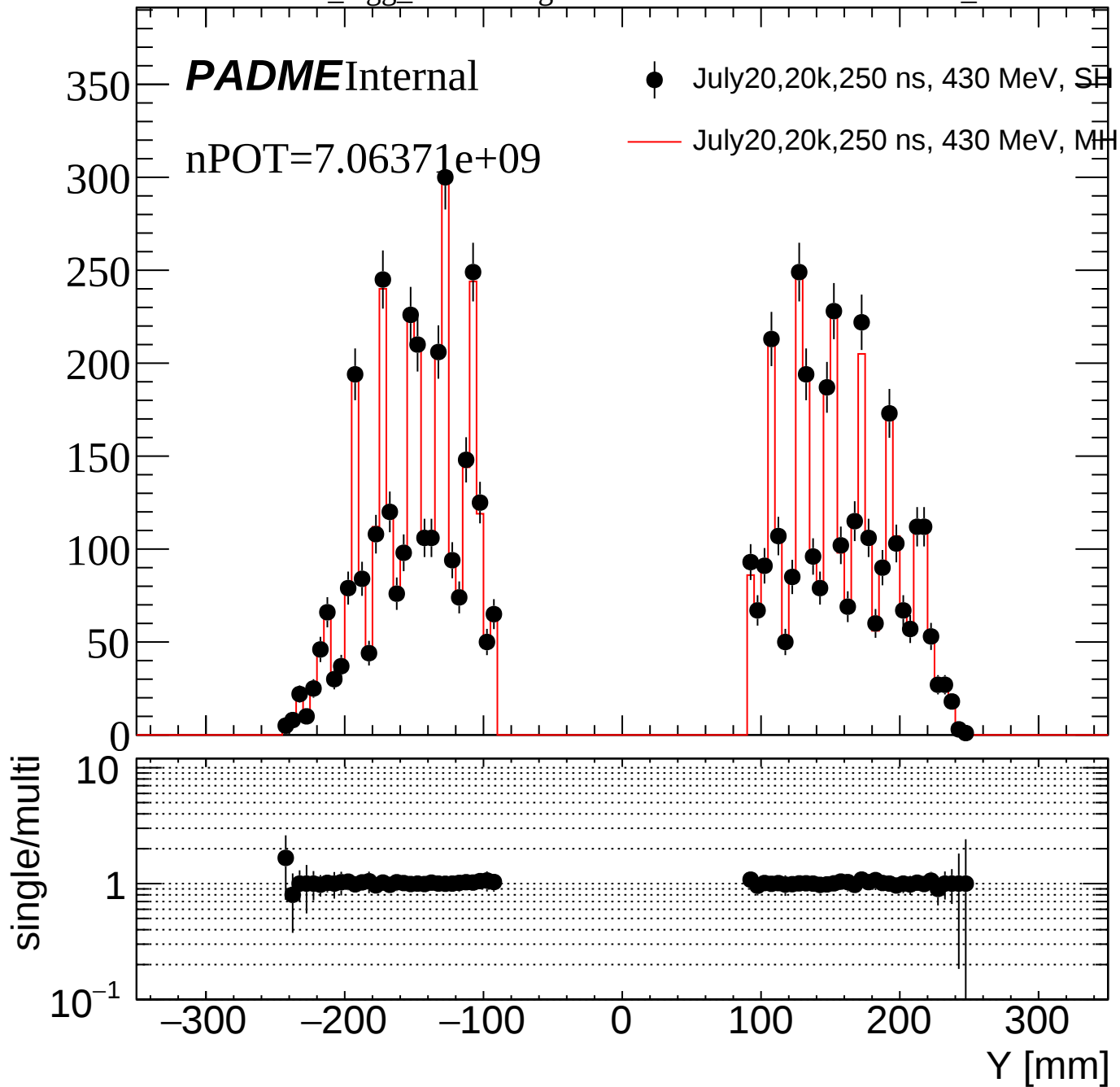
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



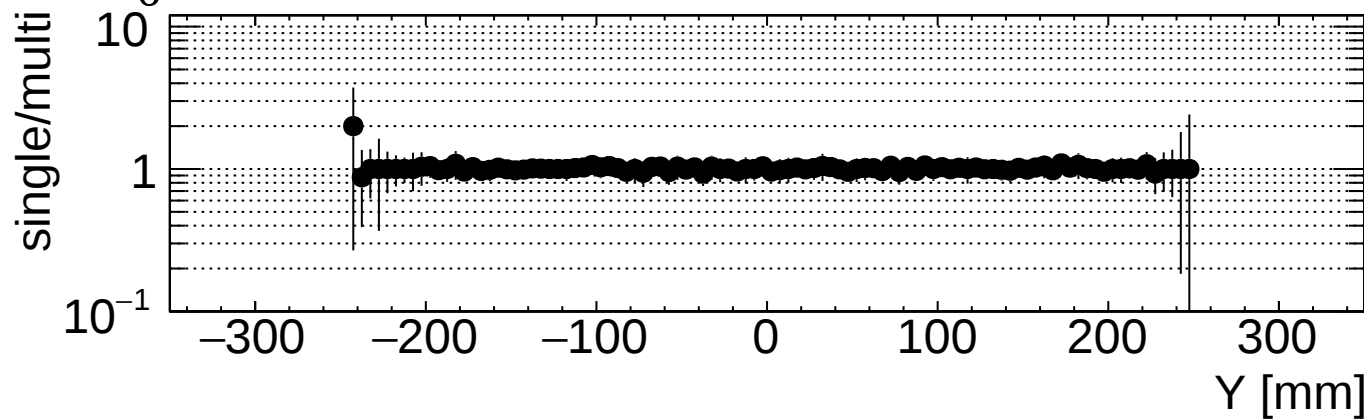
ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90

PADMEInternal

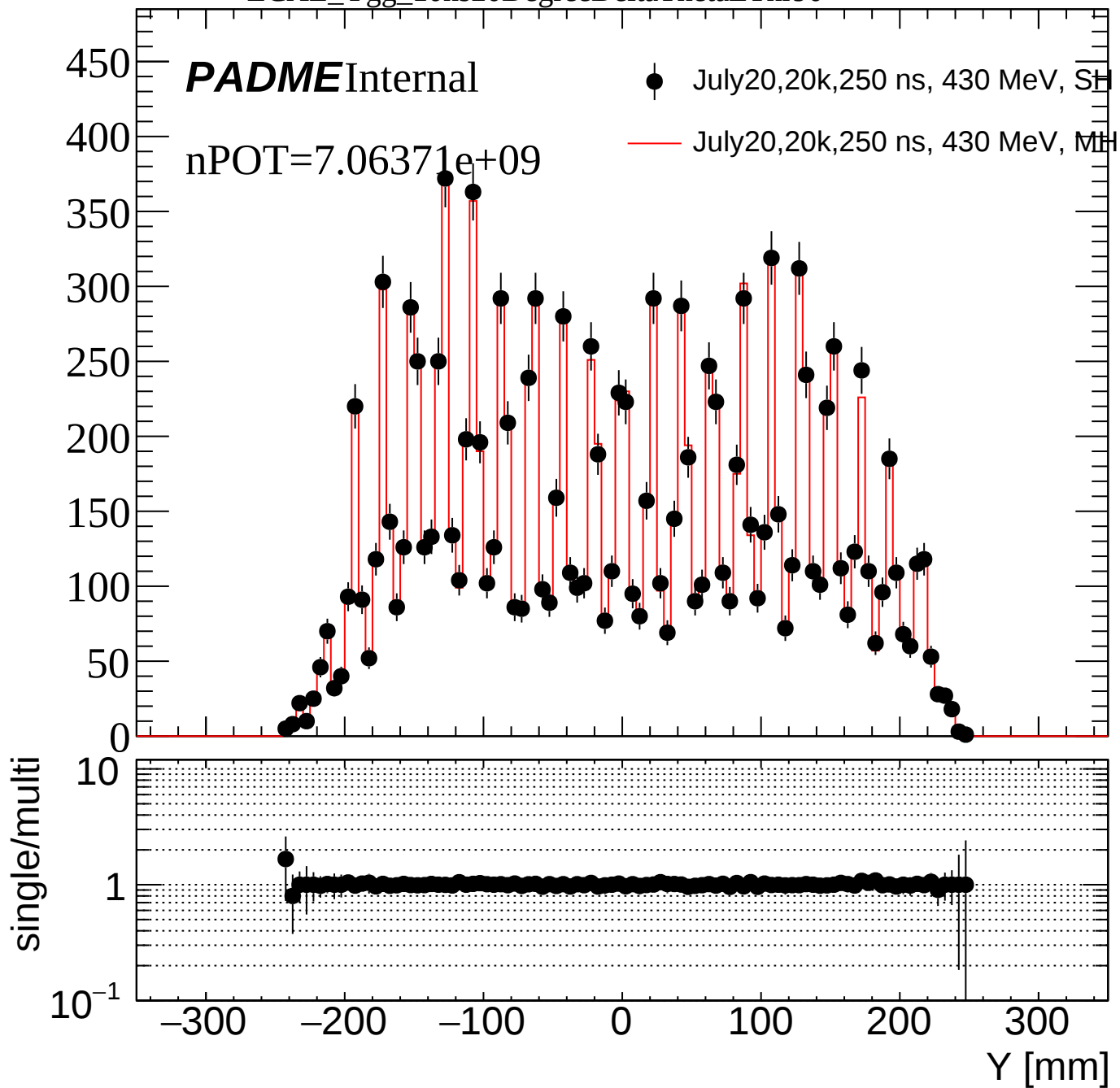
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns20DegreeDeltaThetaEThr90



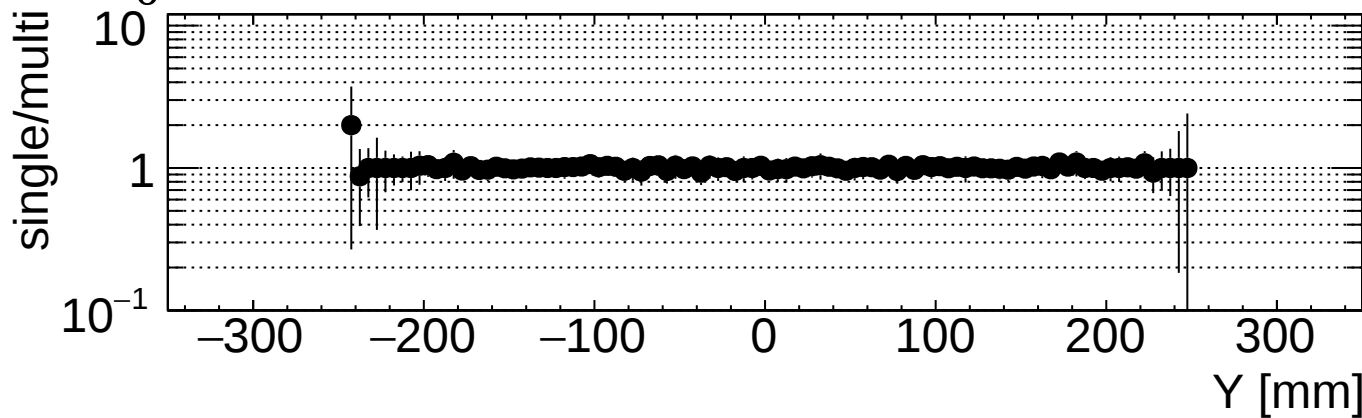
ECAL_Ygg_10ns5DegreeDeltaThetaEThr90

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



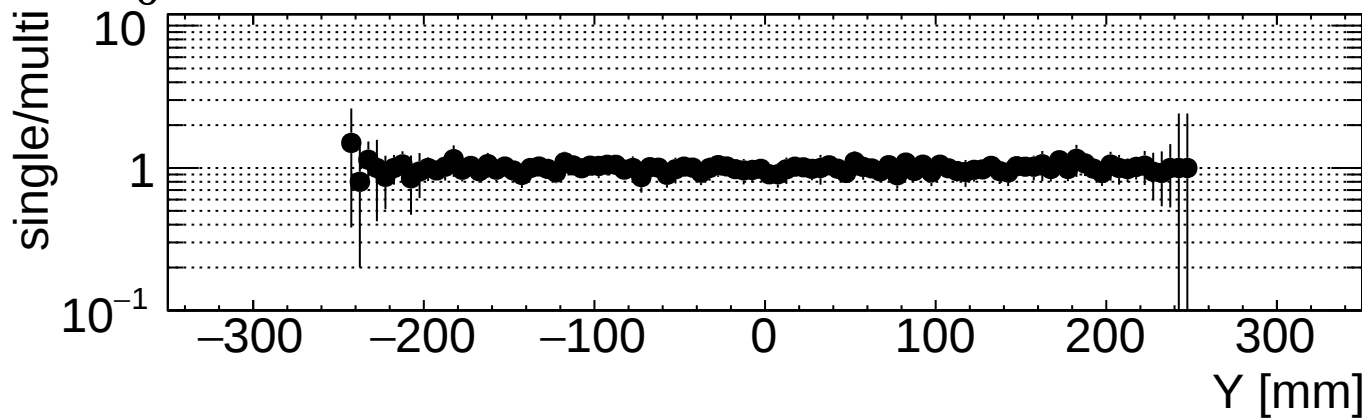
ECAL_Ygg_10ns1CoG

PADMEInternal

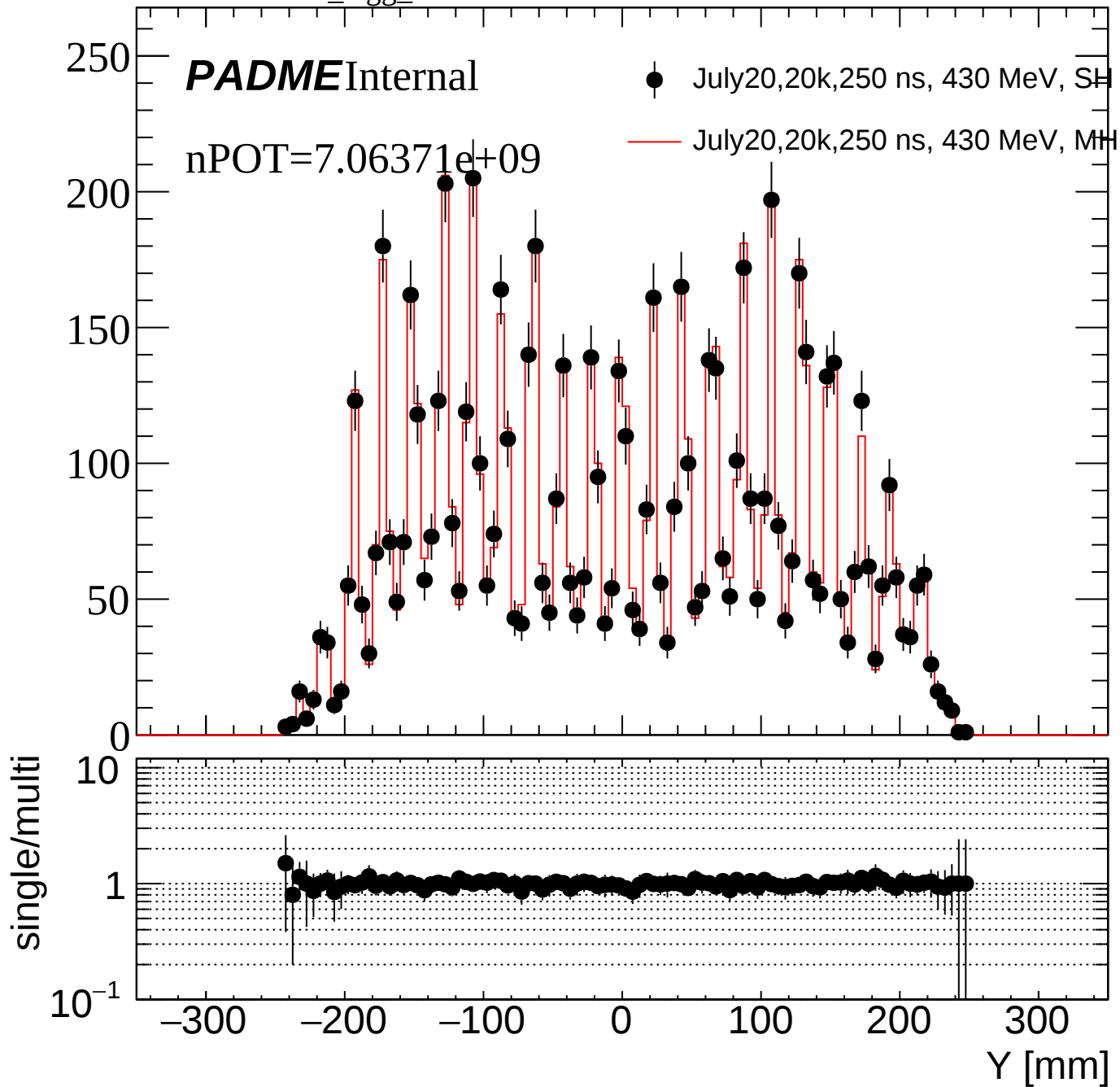
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

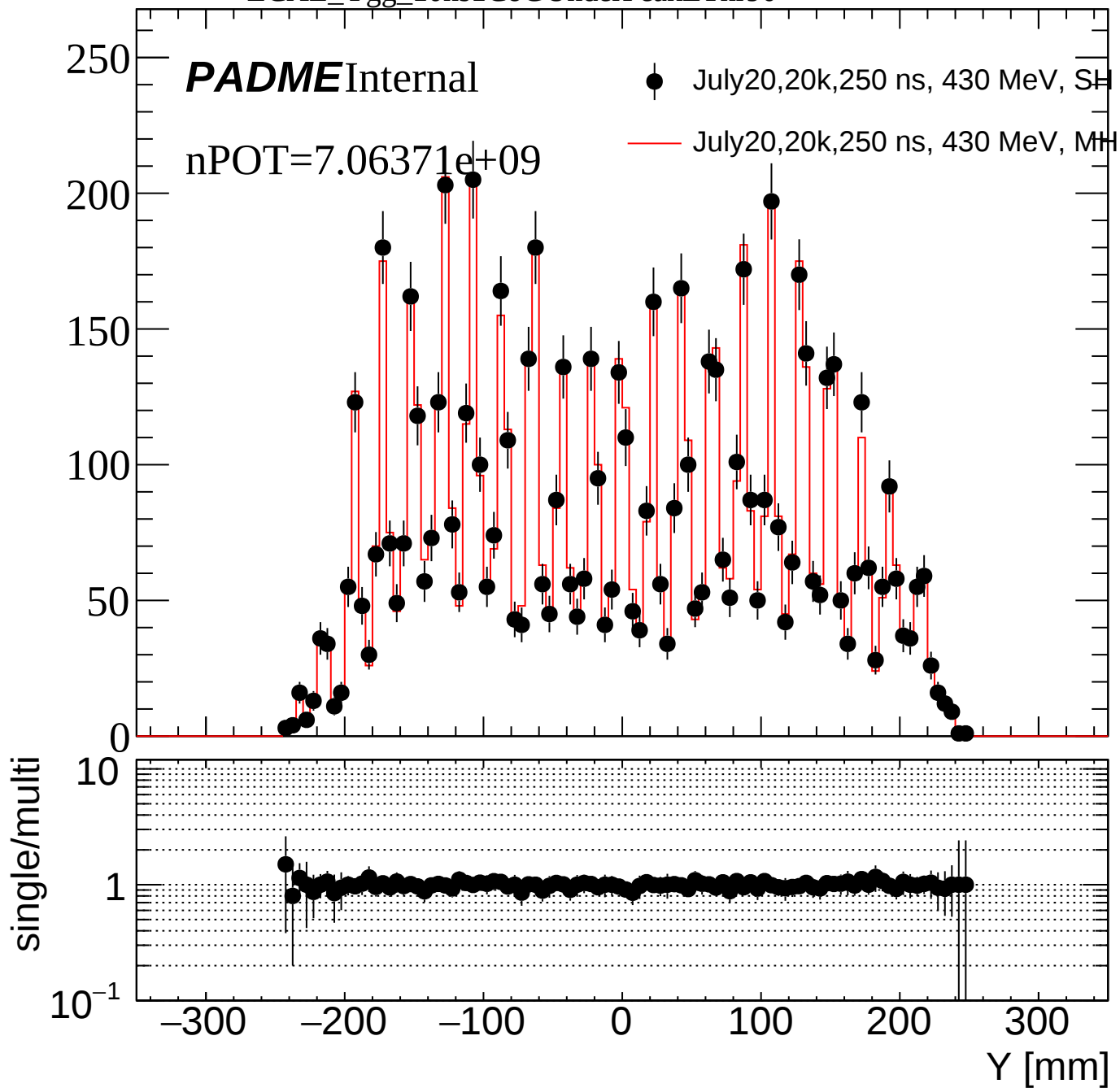
— July20,20k,250 ns, 430 MeV, MH



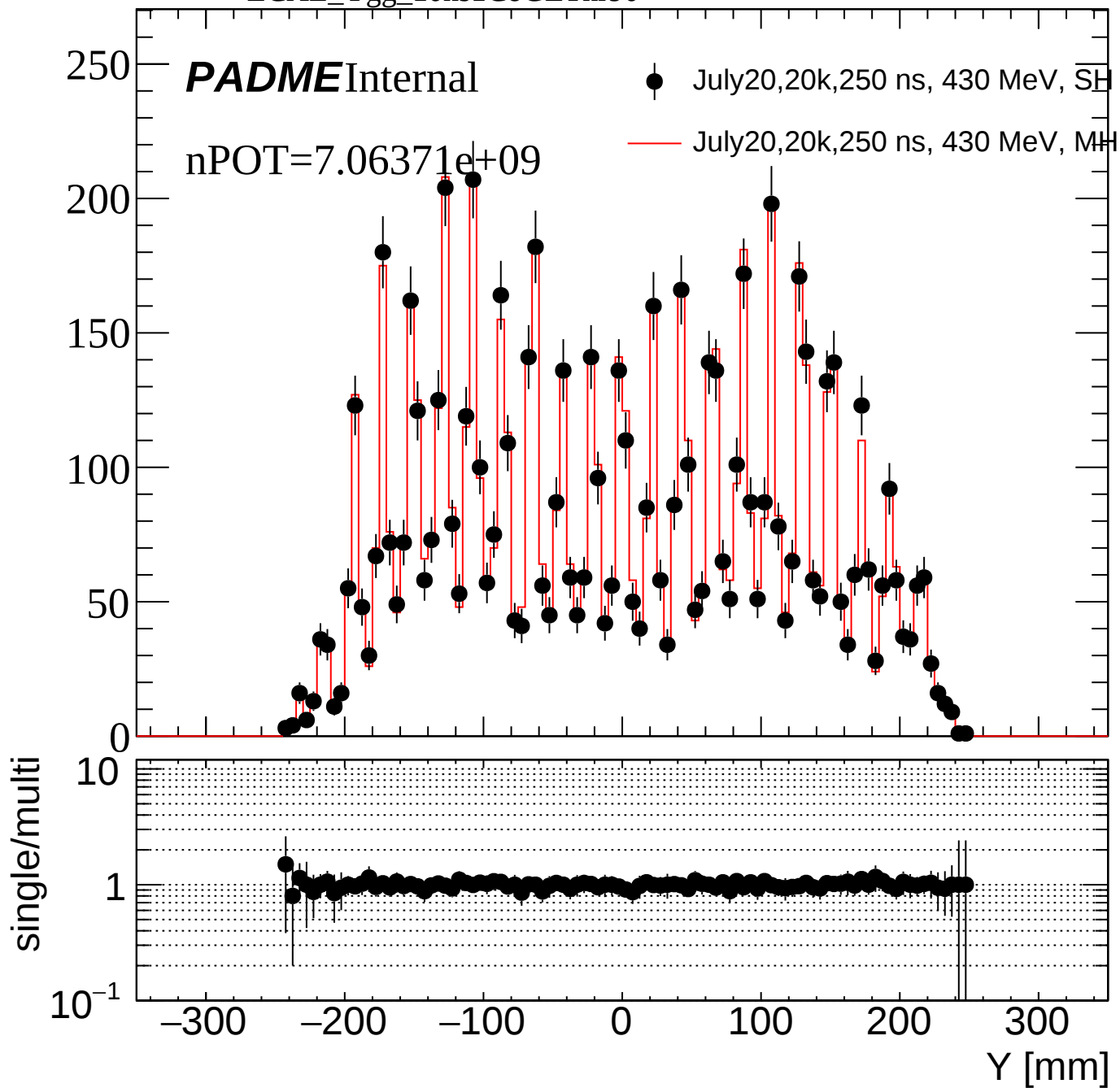
ECAL_Ygg_10ns1CoGUnderPeak



ECAL_Ygg_10ns1CoGUnderPeakEThr90



ECAL_Ygg_10ns1CoGEThr90



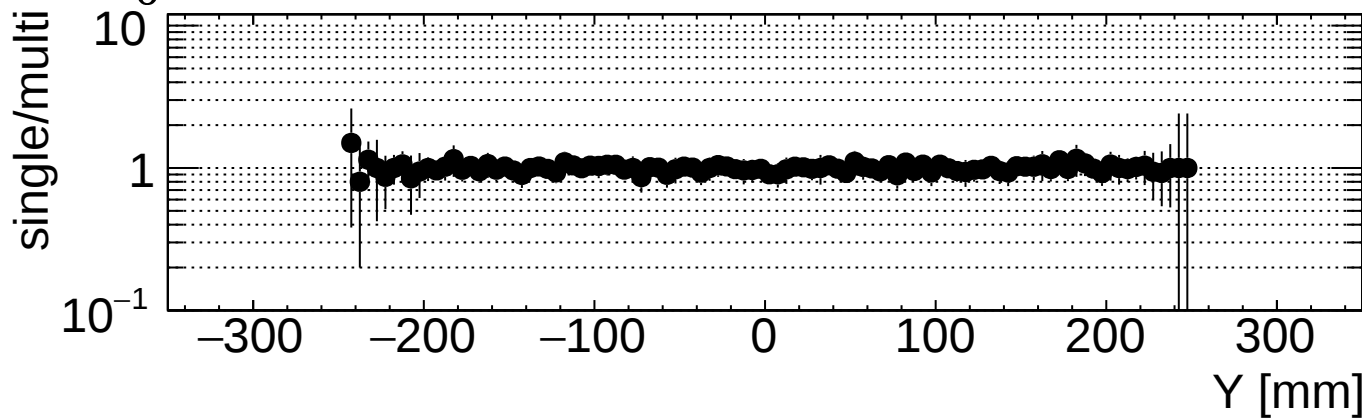
ECAL_Ygg_10ns1CoG20Degree

PADMEInternal

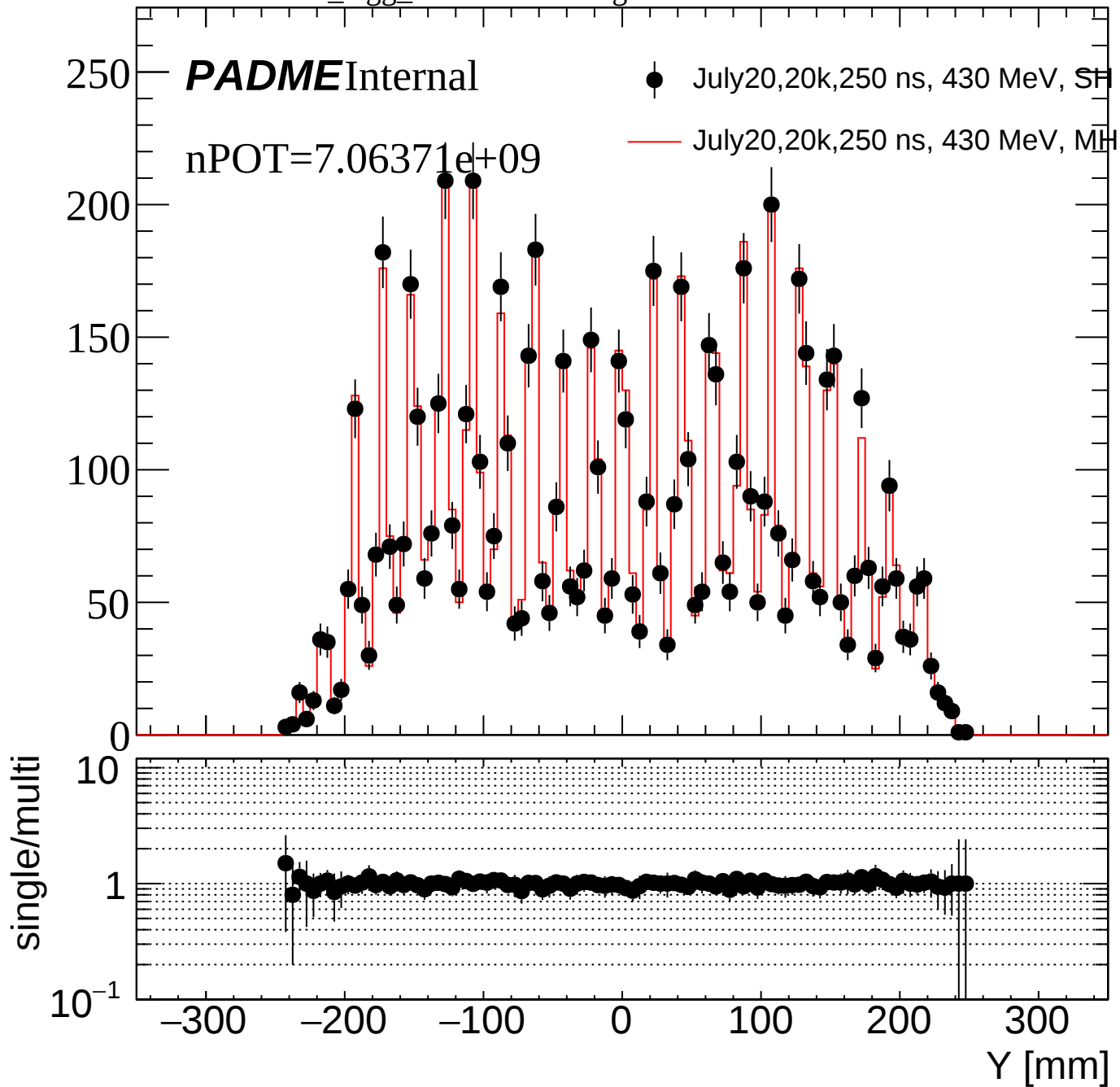
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns1CoG20DegreeDeltaTheta



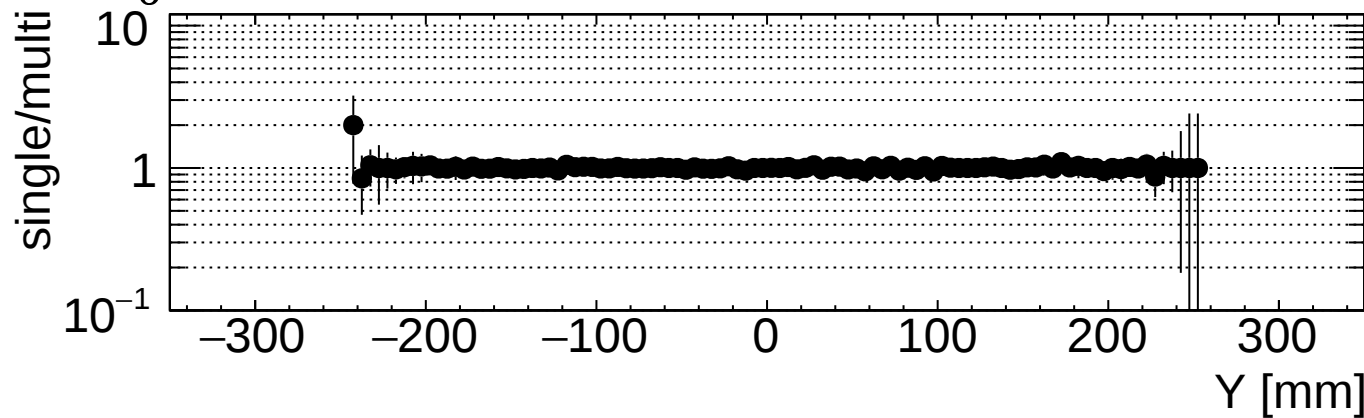
ECAL_Ygg_10ns3CoG

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



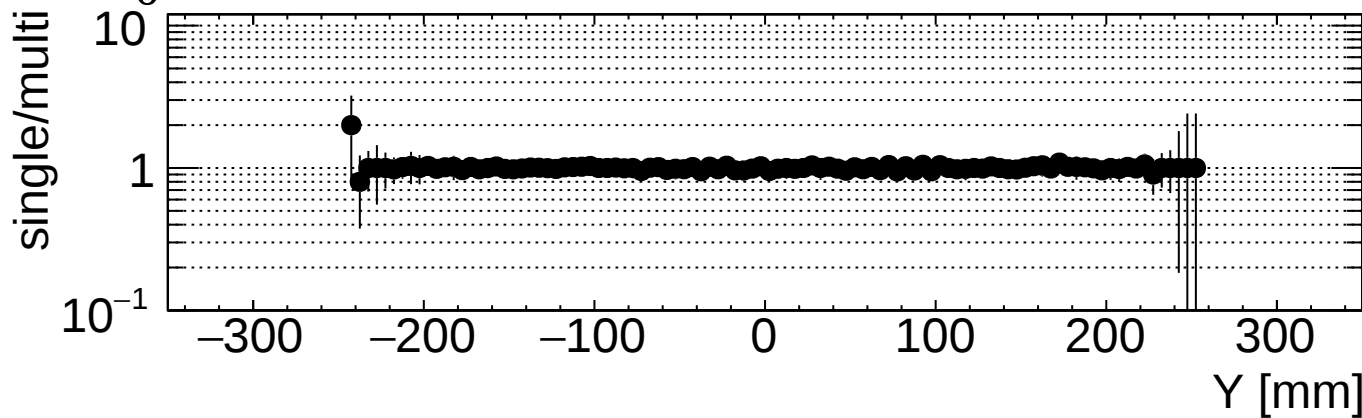
ECAL_Ygg_10ns3CoGUnderPeak

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



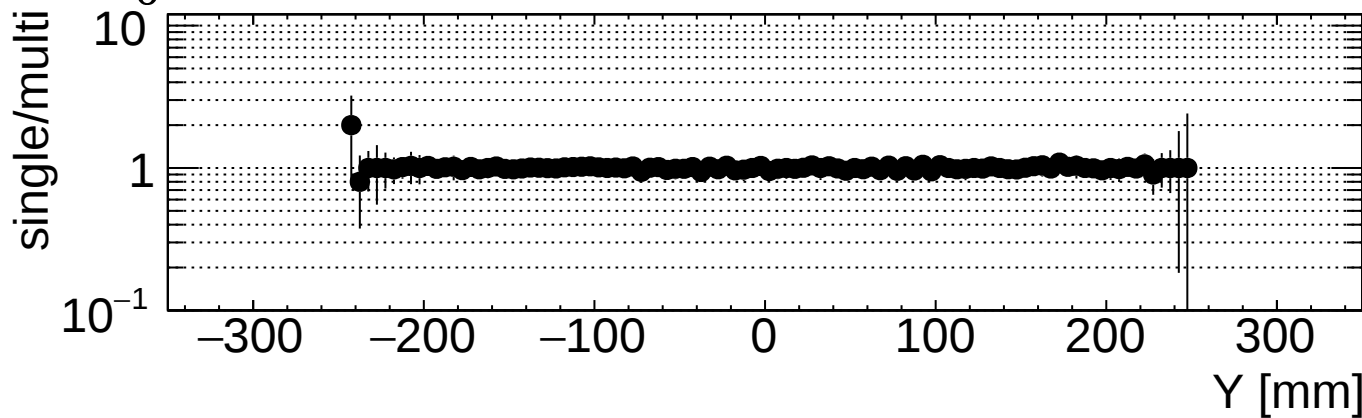
ECAL_Ygg_10ns3CoGUnderPeakEThr90

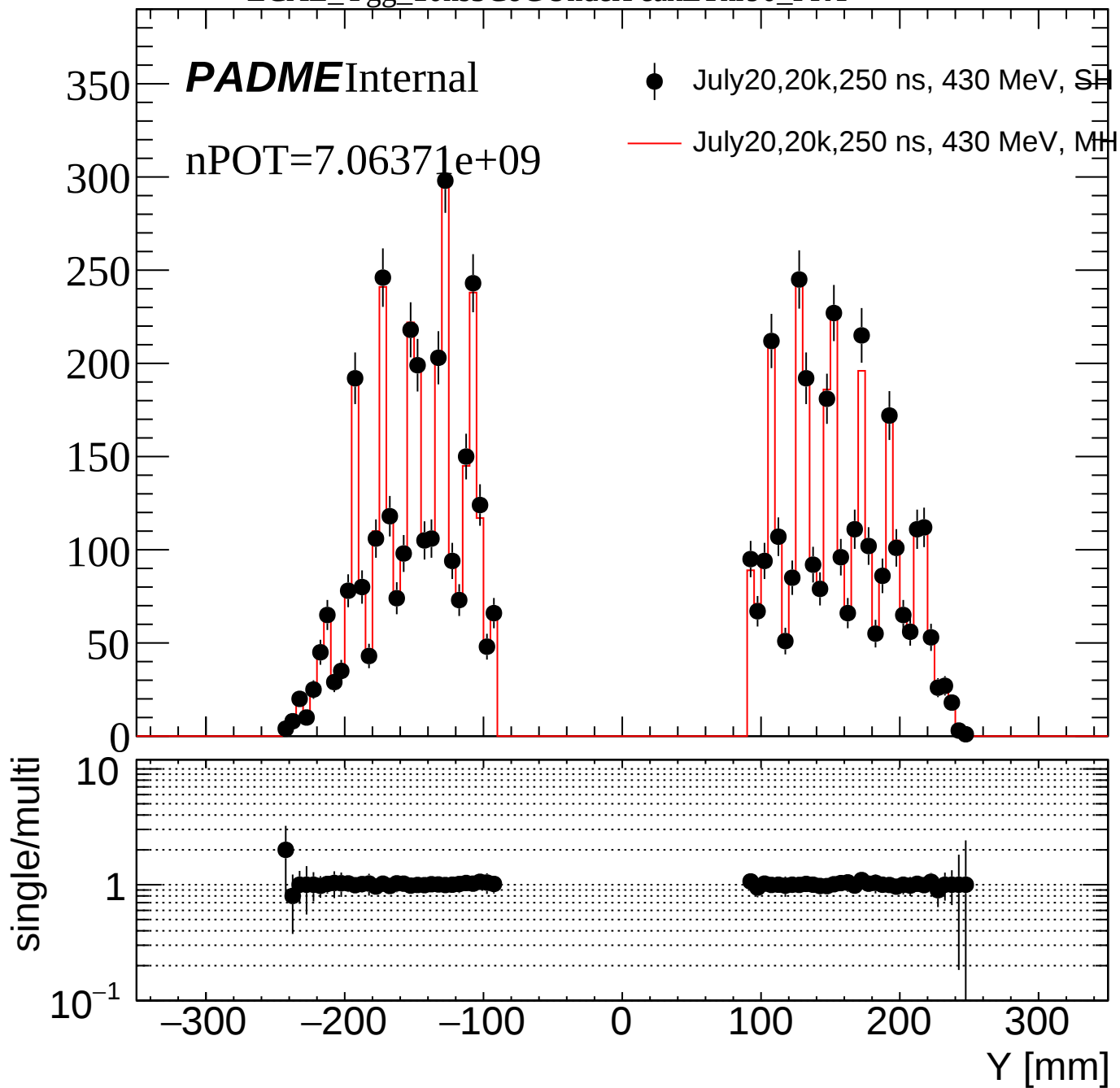
PADMEInternal

nPOT=7.06371e+09

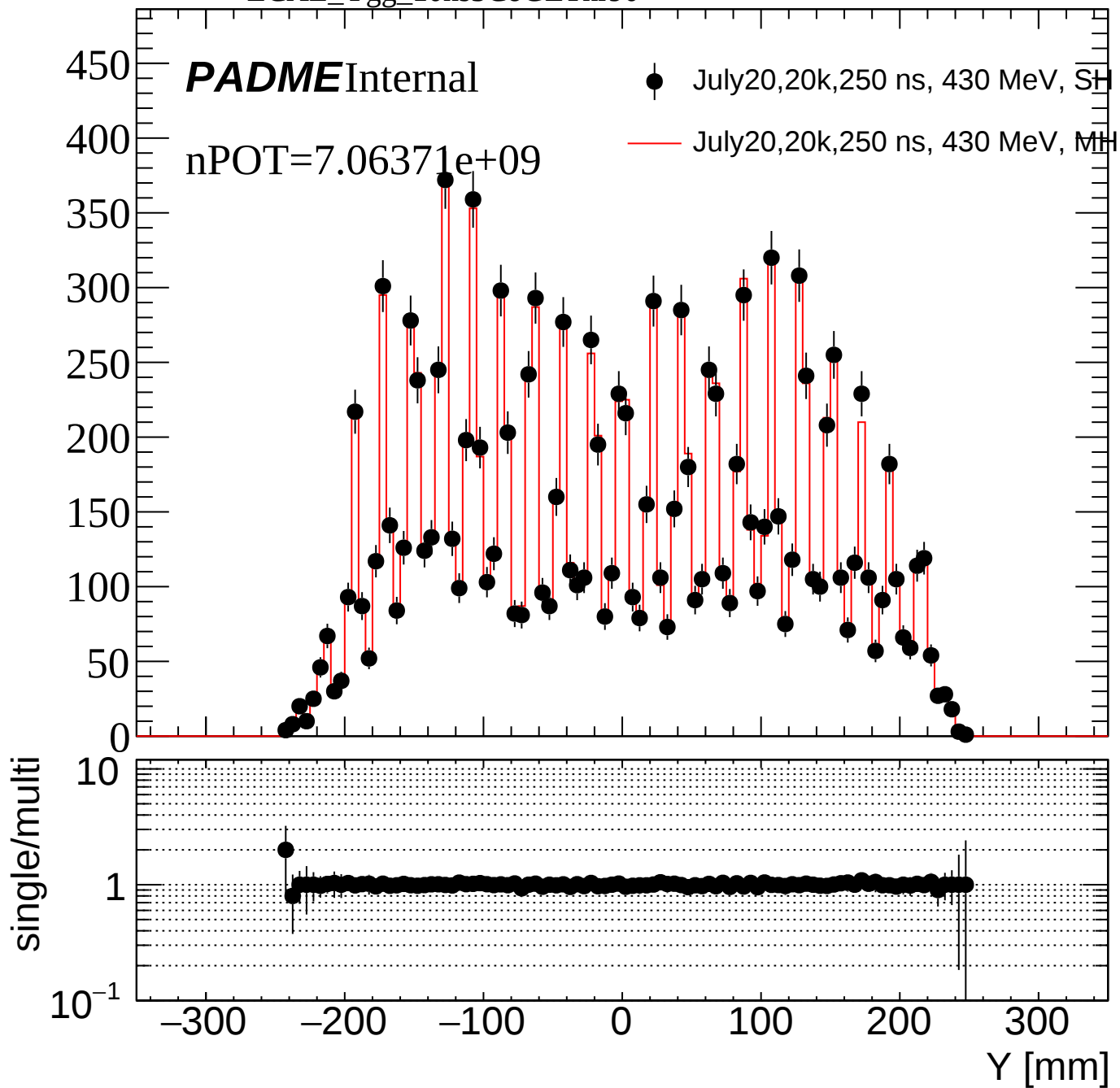
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

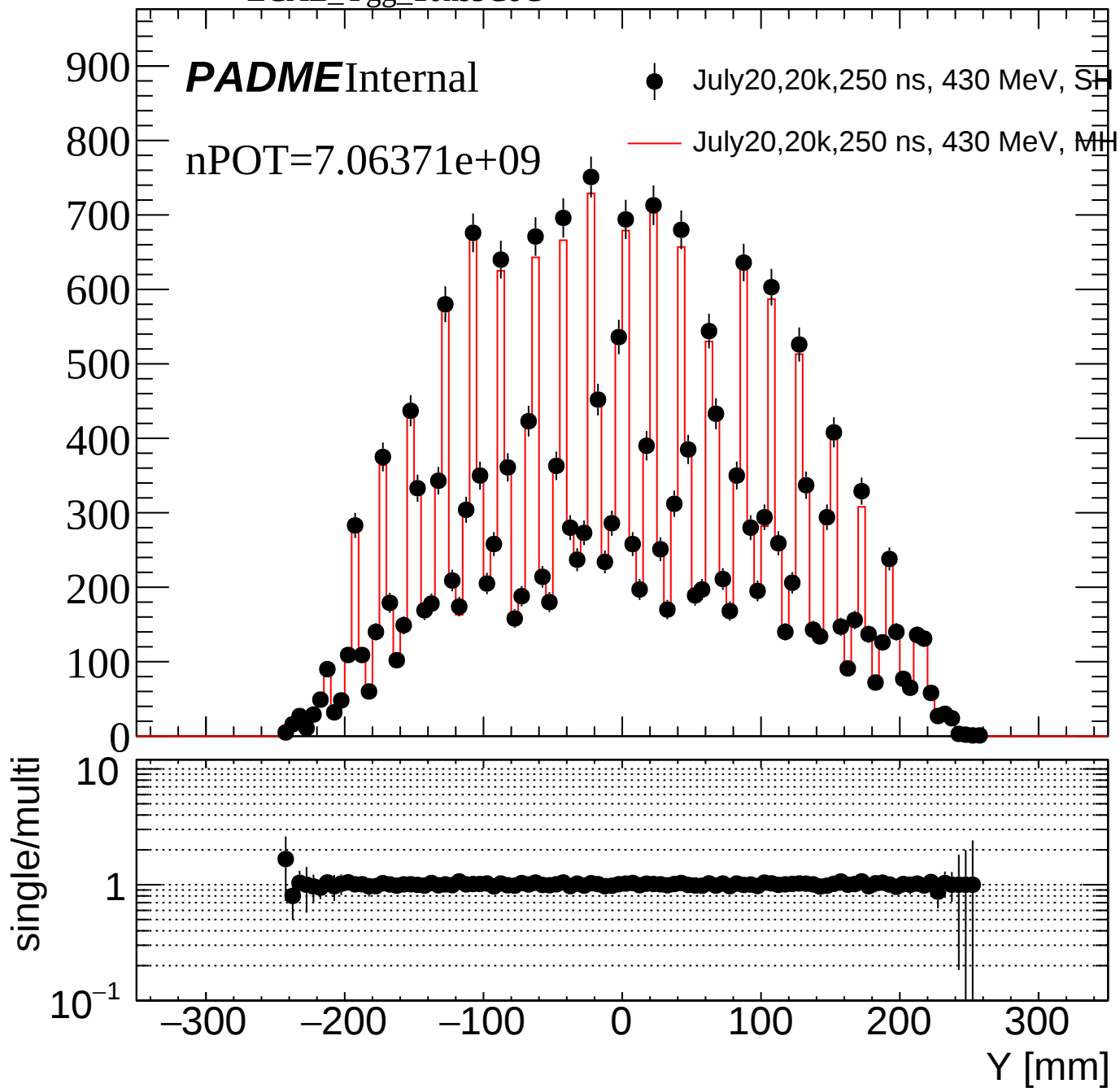




ECAL_Ygg_10ns3CoGEThr90



ECAL_Ygg_10ns5CoG



ECAL_Ygg_10ns5CoGUnderPeak

PADMEInternal

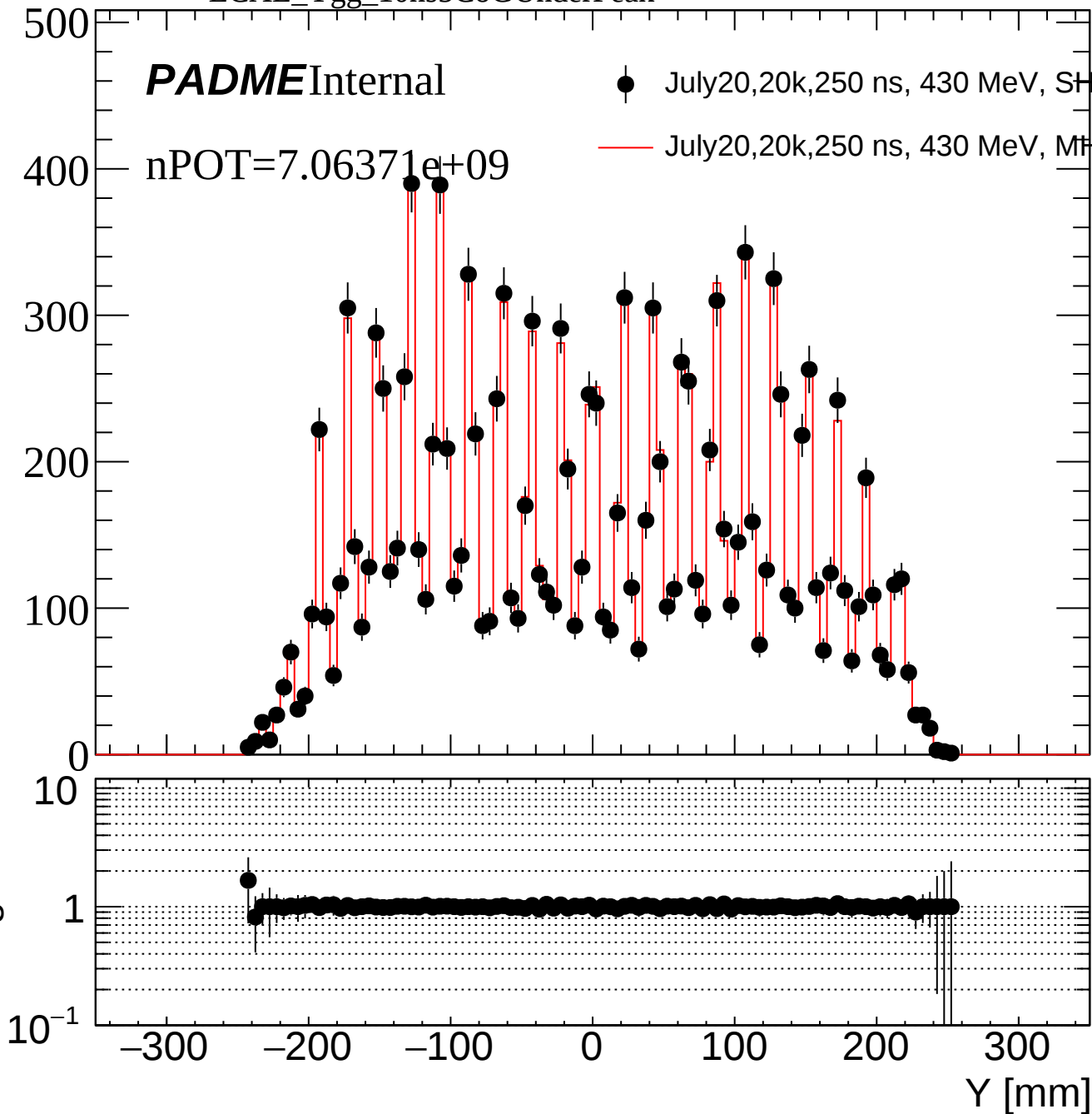
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

Y [mm]



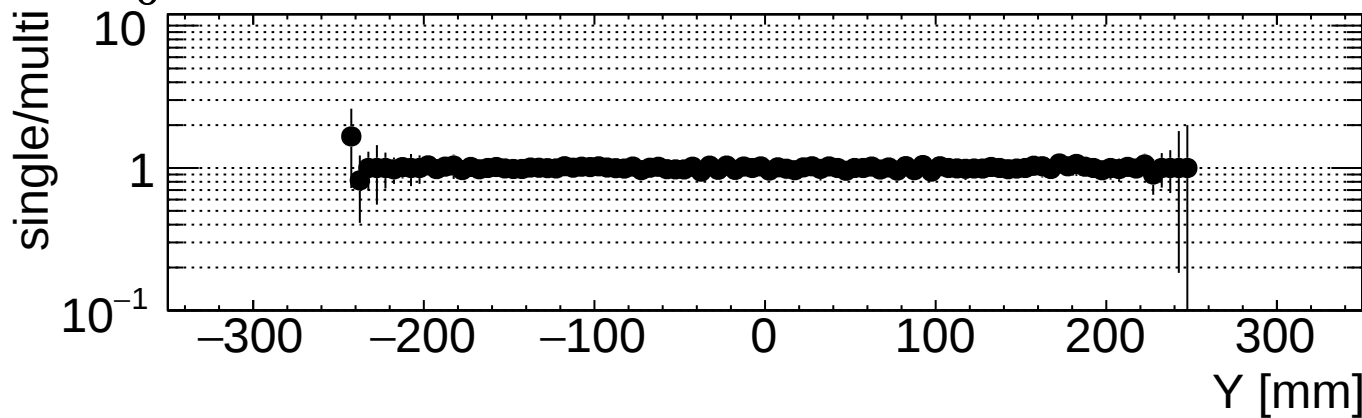
ECAL_Ygg_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Ygg_10ns5CoGUnderPeakEThr90_FRY

PADMEInternal

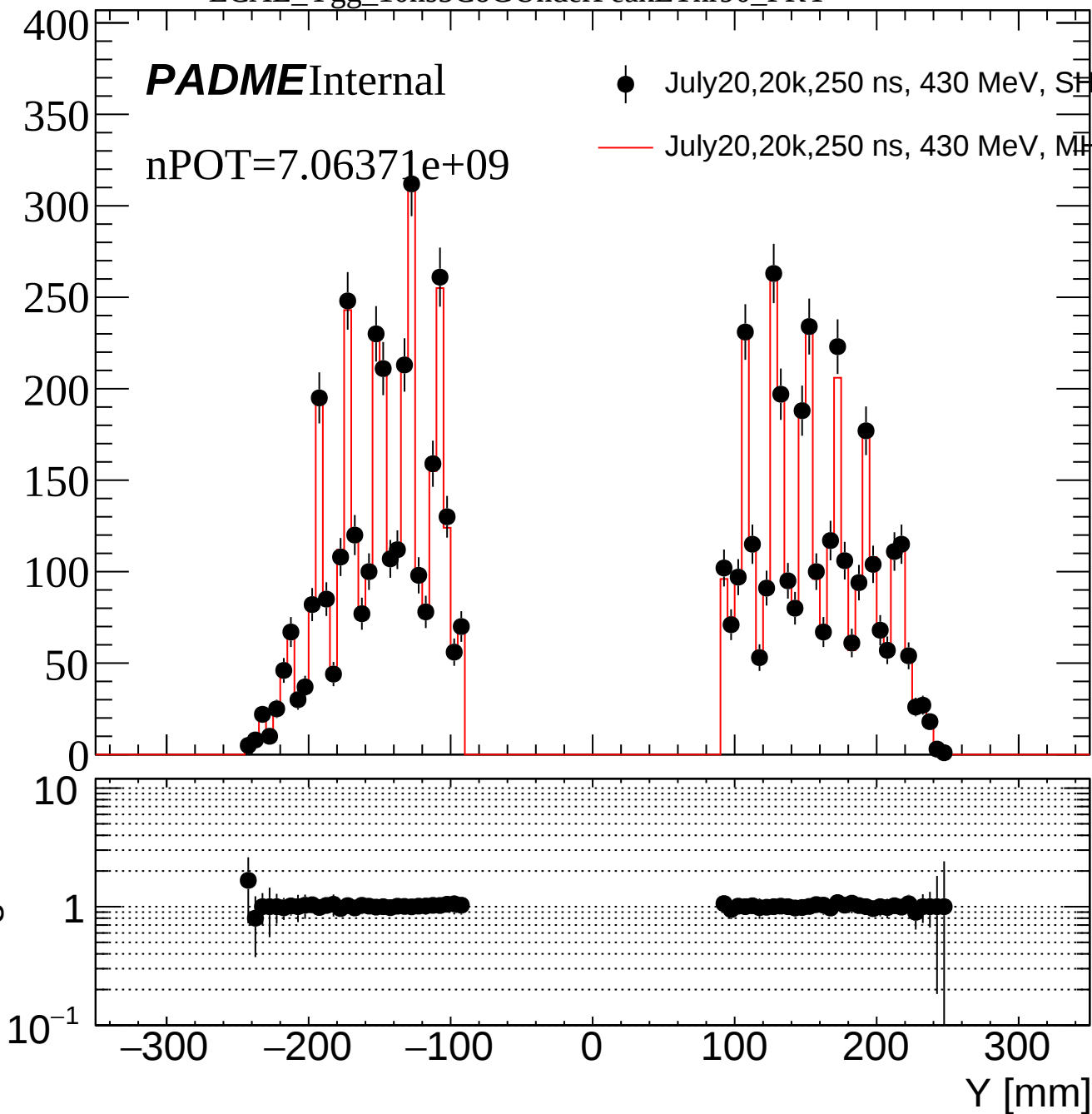
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

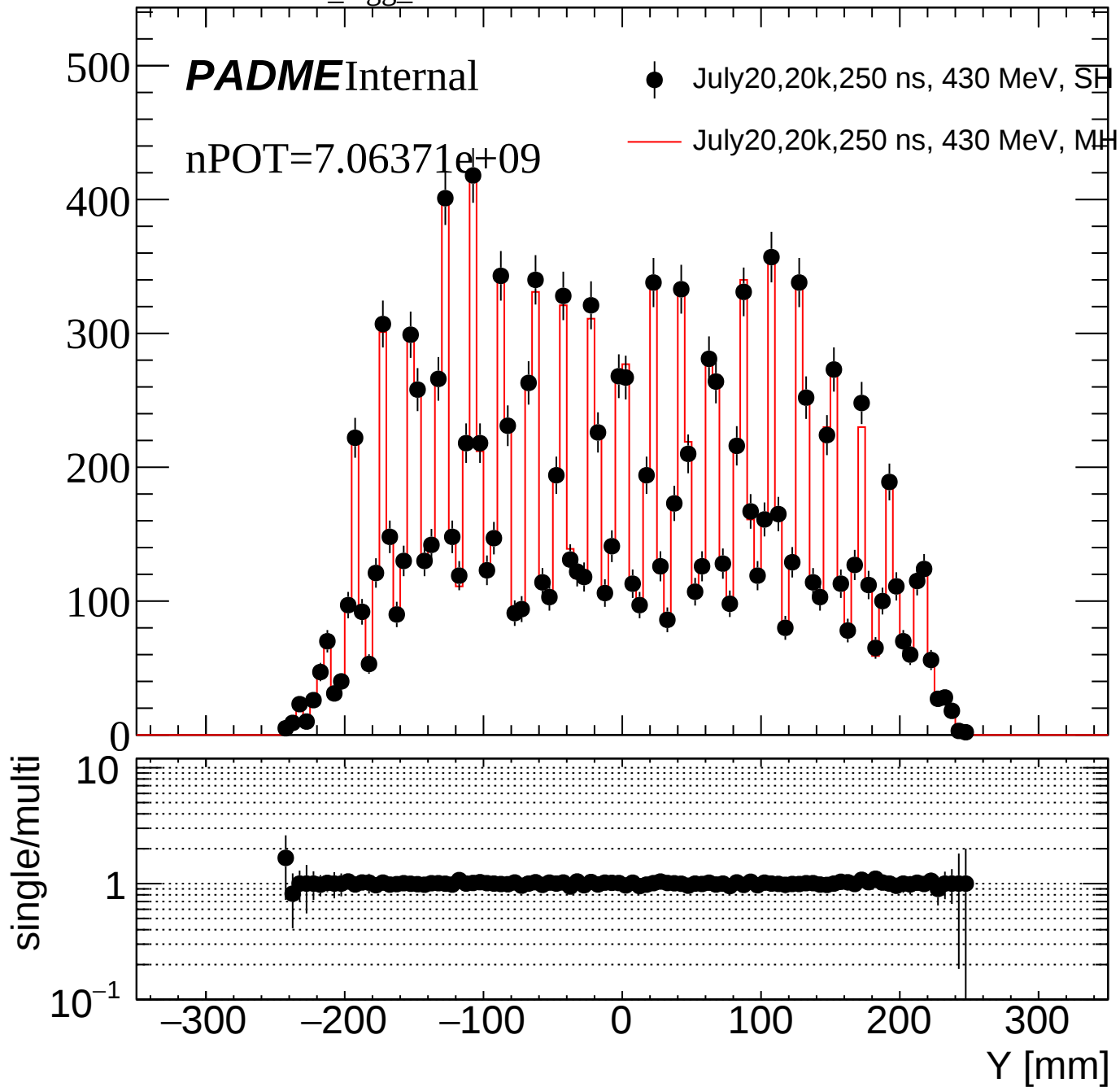
— July20,20k,250 ns, 430 MeV, MH

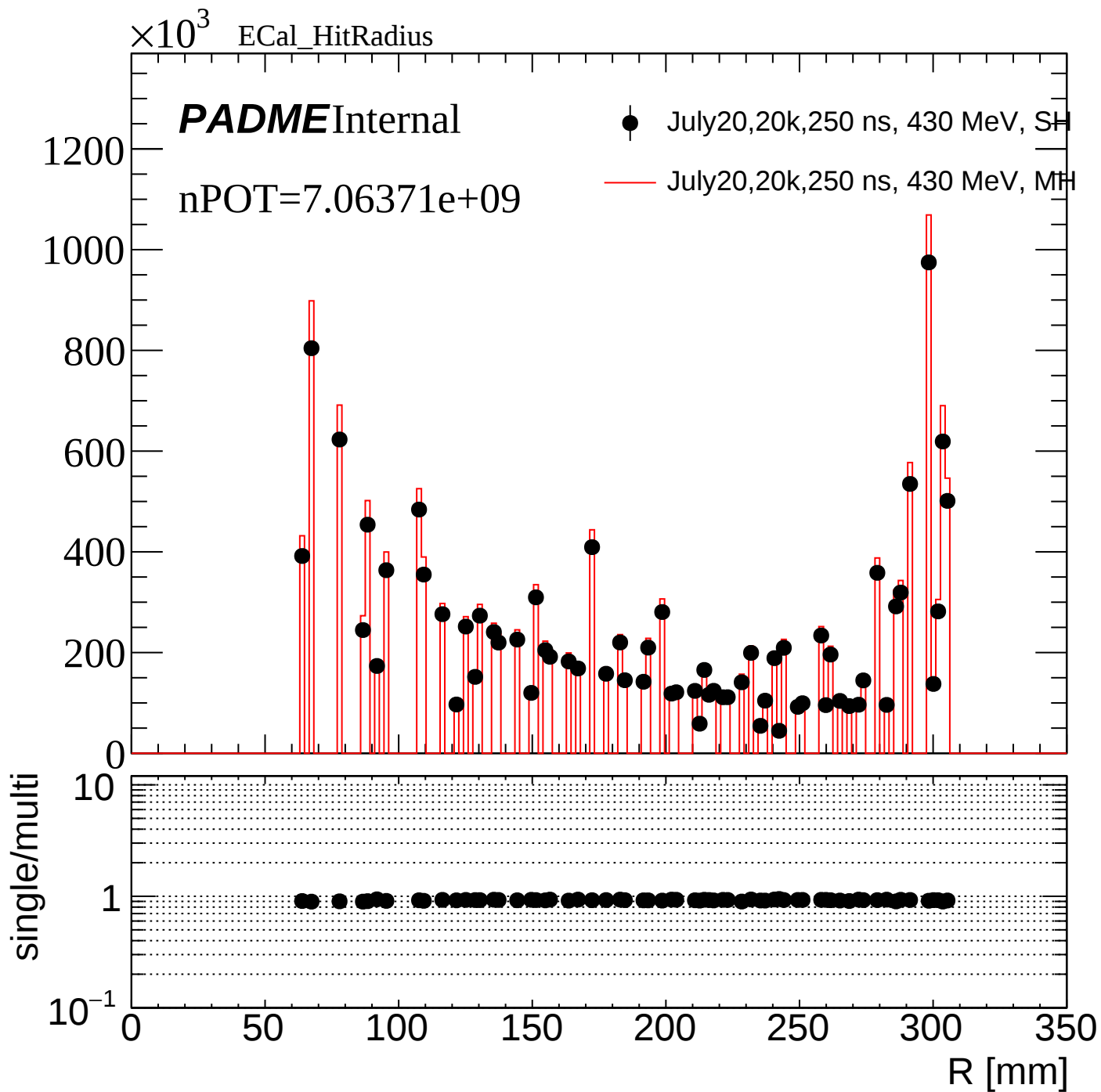
single/multi

Y [mm]

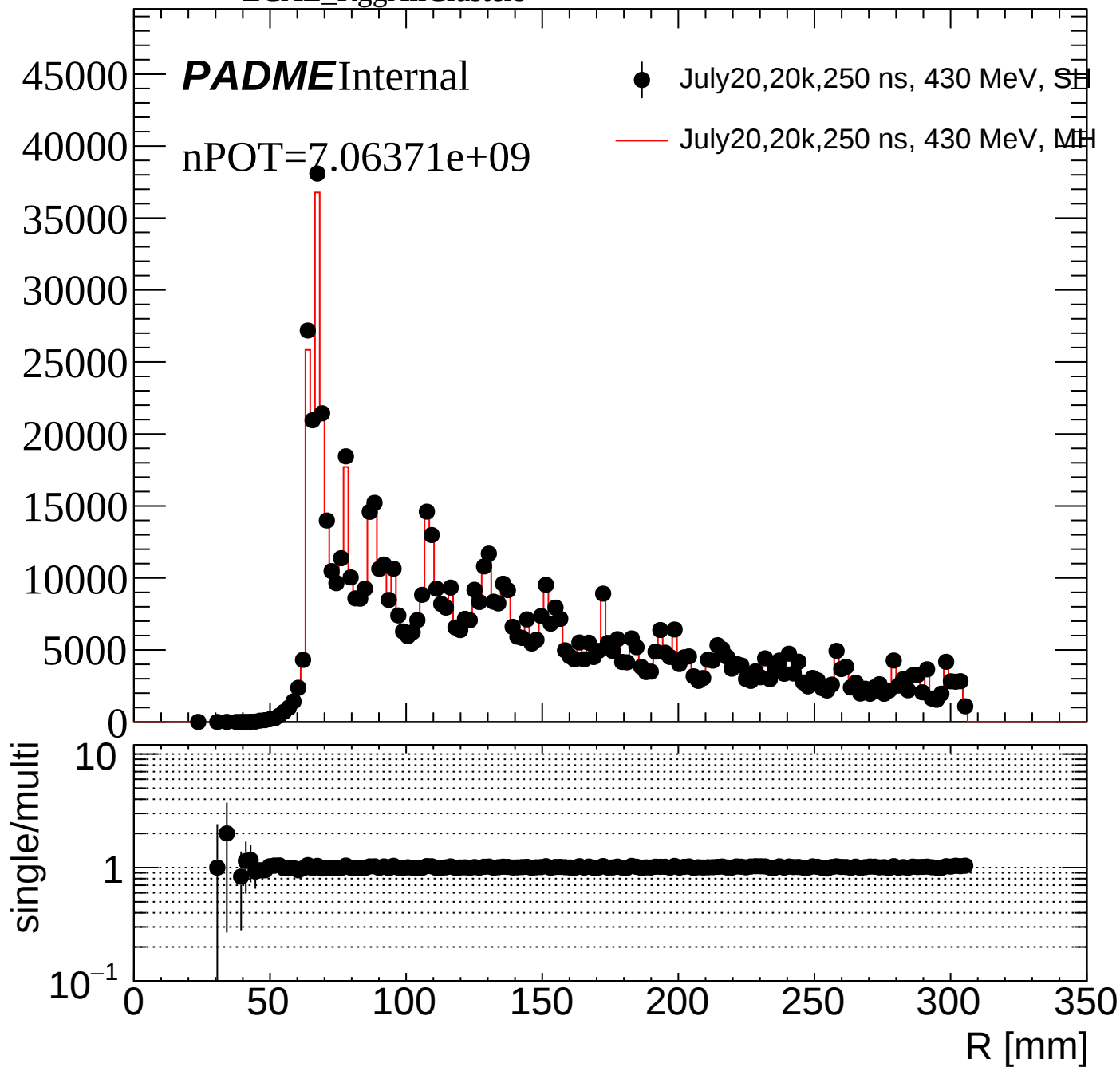


ECAL_Ygg_10ns5CoGEThr90





ECAL_RggAllClusters



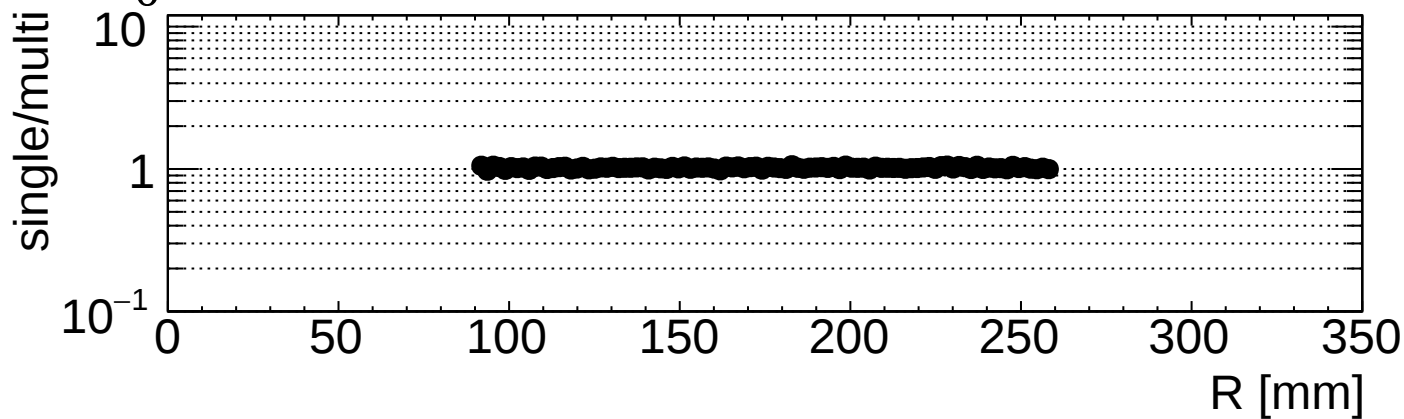
ECAL_Rgg_10ns

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns20Degree

600

PADMEInternal

● July20,20k,250 ns, 430 MeV, SH

500

nPOT=7.06371e+09

— July20,20k,250 ns, 430 MeV, MH

400

300

200

100

0

single/multi

10

1

10⁻¹

0

50

100

150

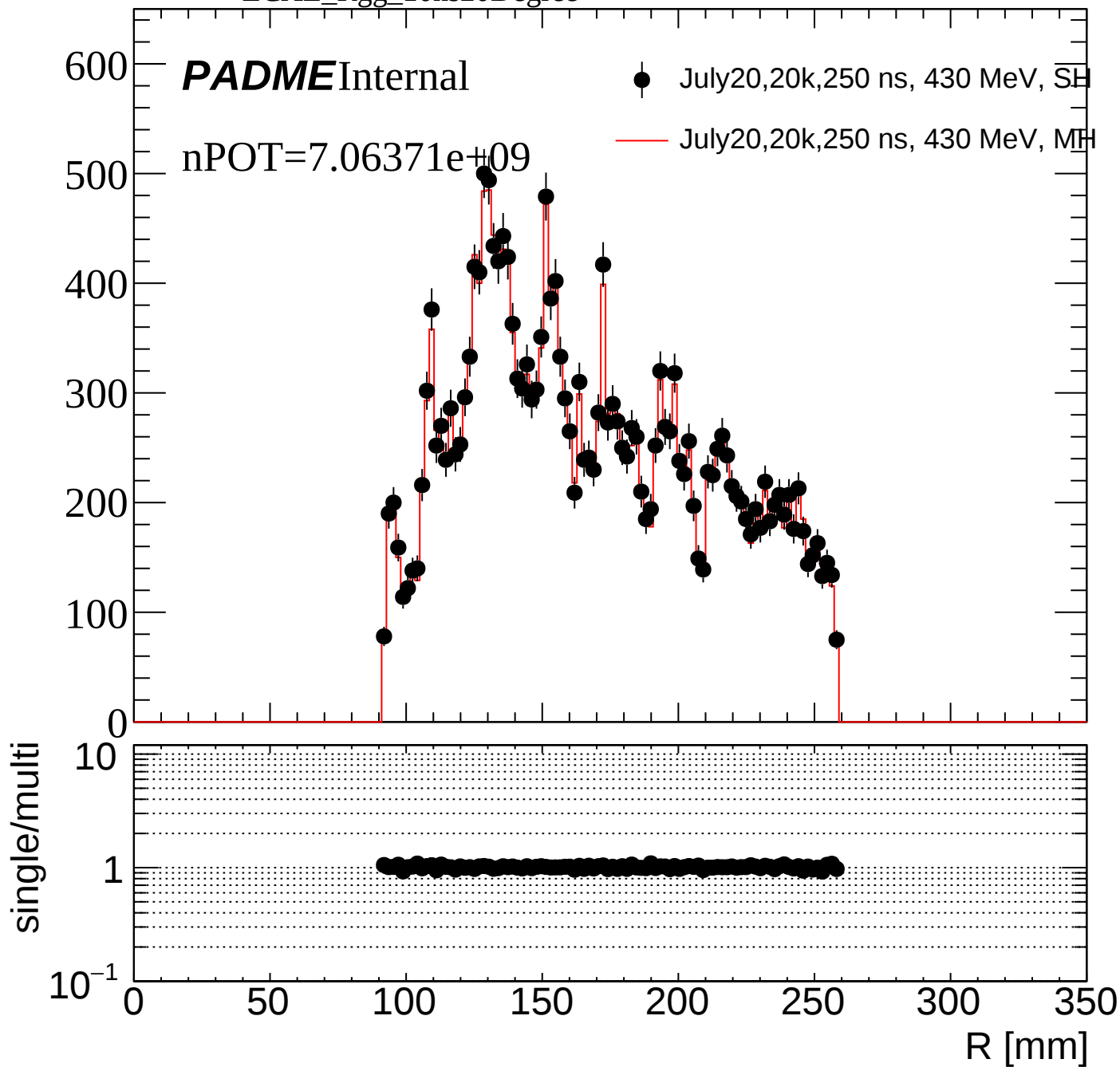
200

250

300

350

R [mm]



ECAL_Rgg_10ns20DegreeDeltaTheta

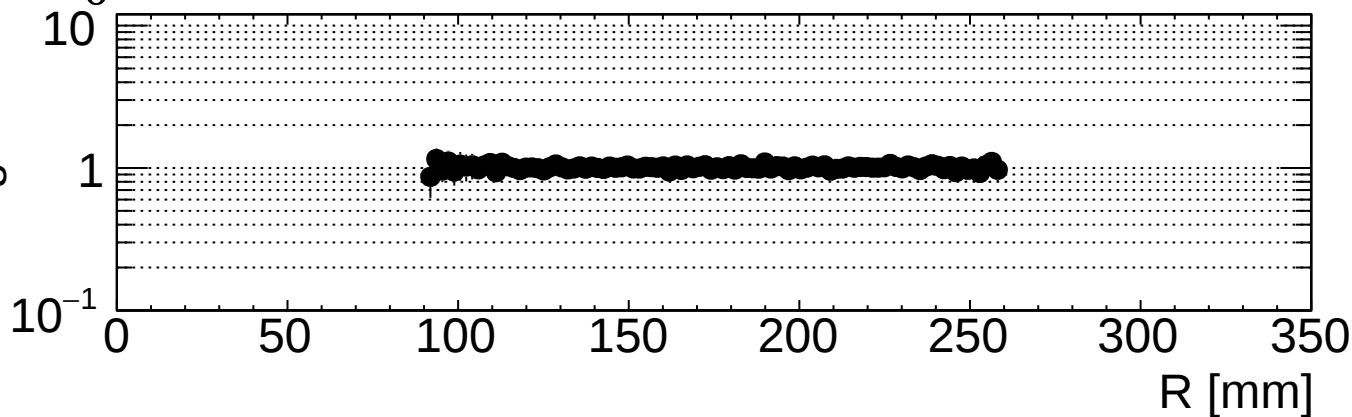
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG

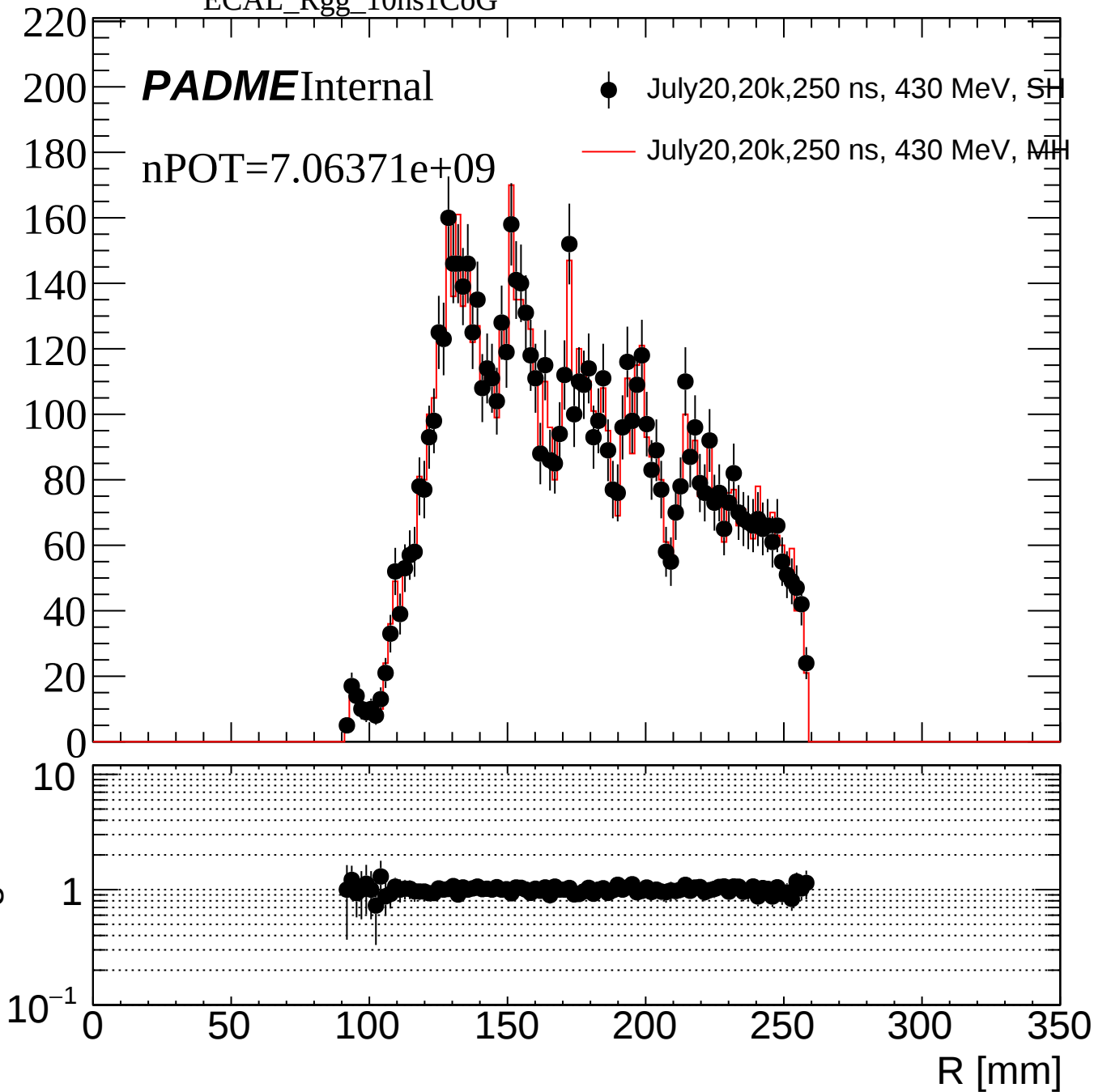
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoGEThr90

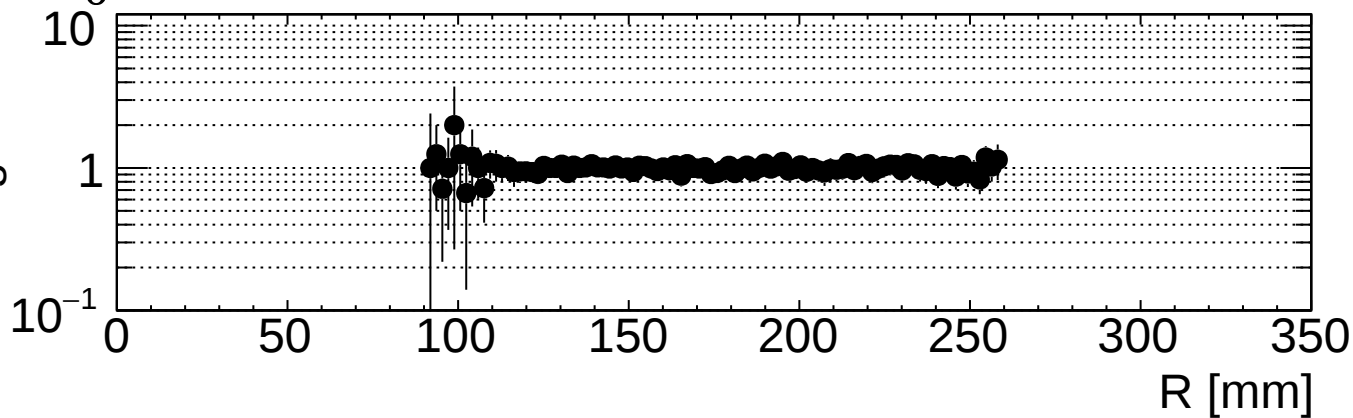
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20Degree

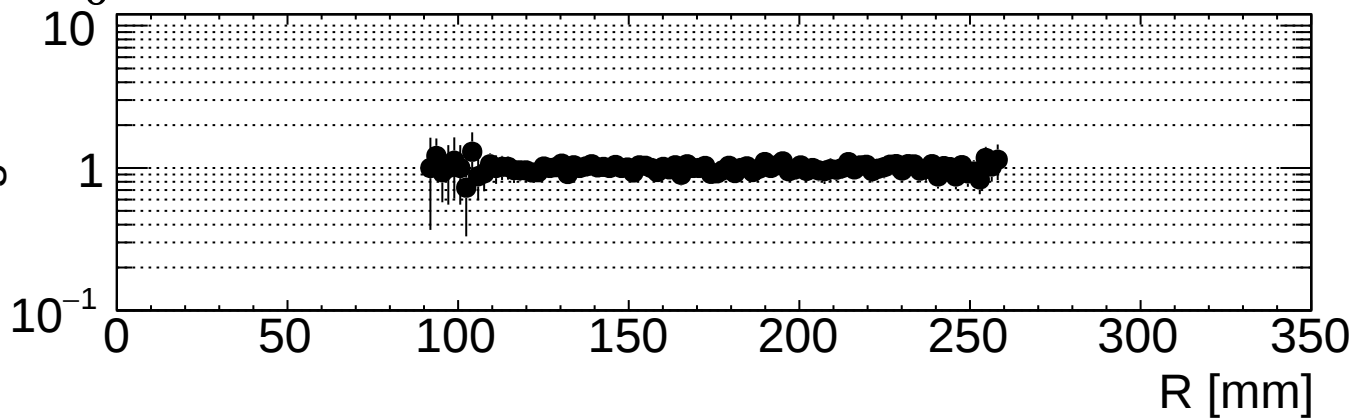
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeDeltaTheta

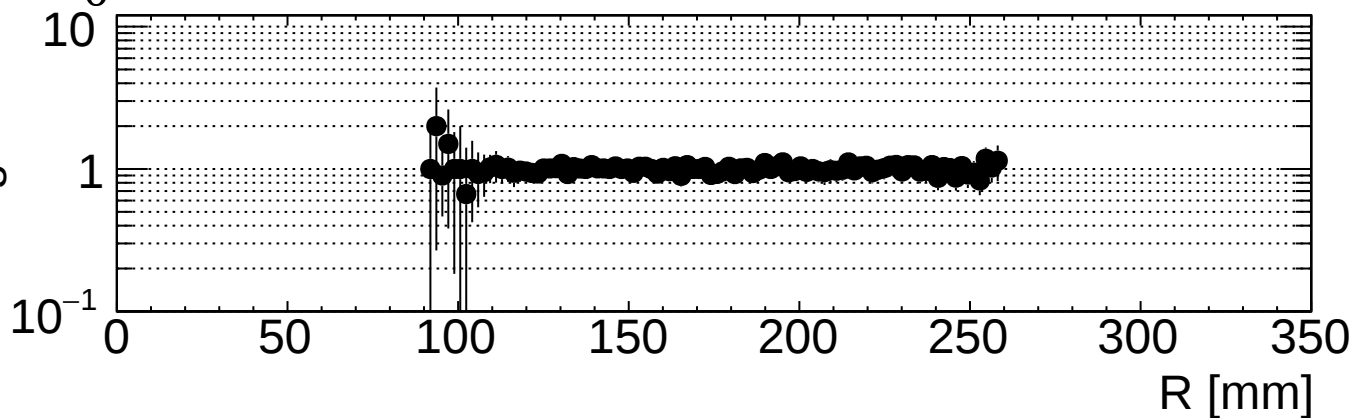
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns5DegreeDeltaTheta

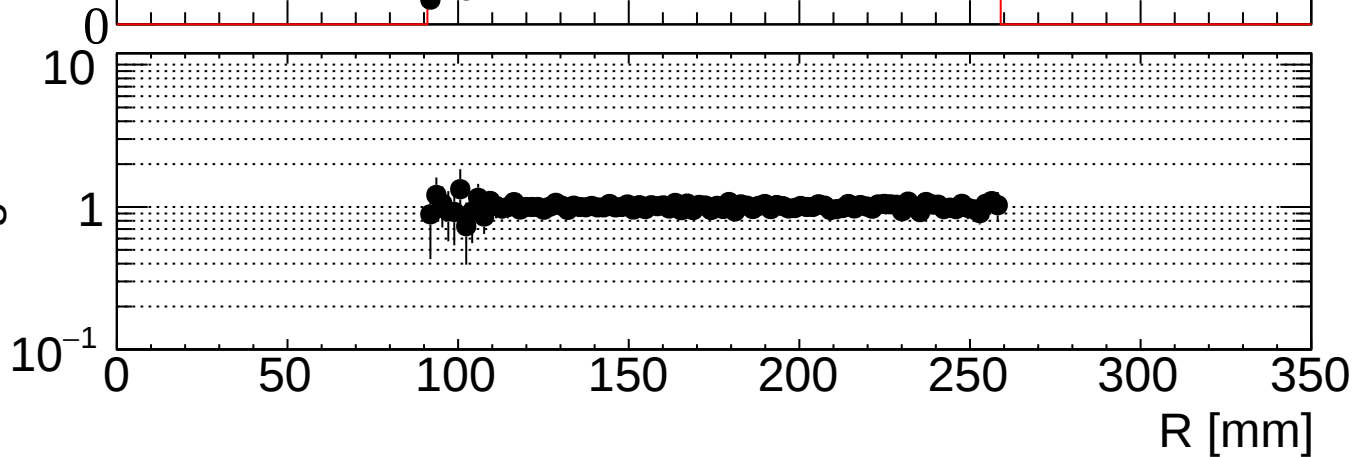
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



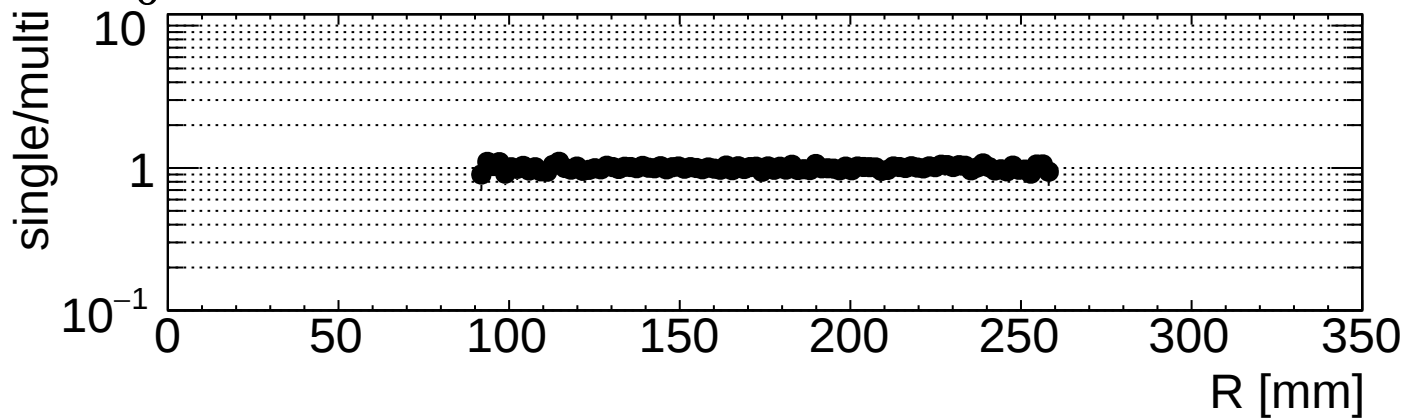
ECAL_Rgg_10ns3CoG

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns3CoGUnderPeak

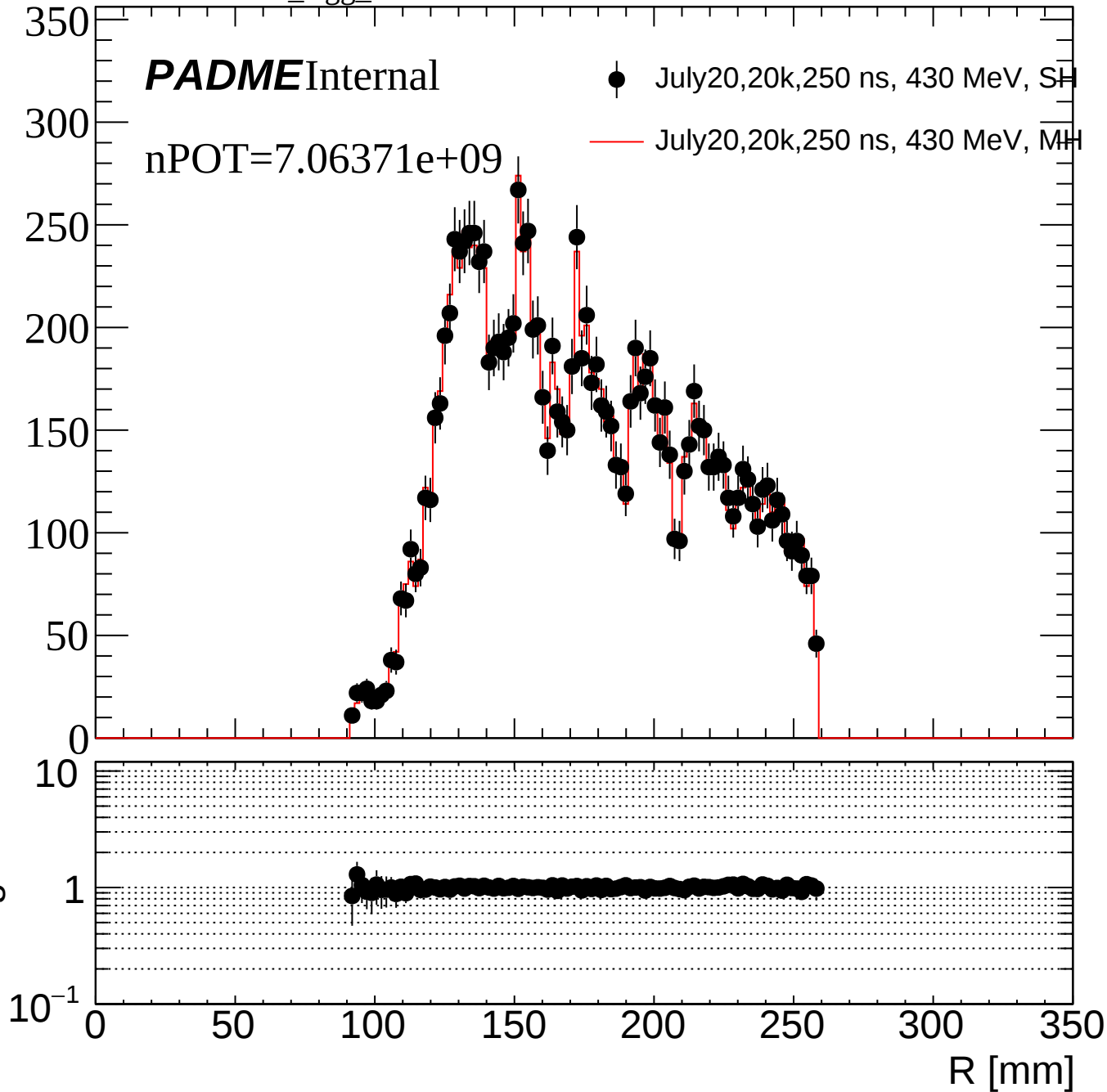
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns3CoGUnderPeakEThr90

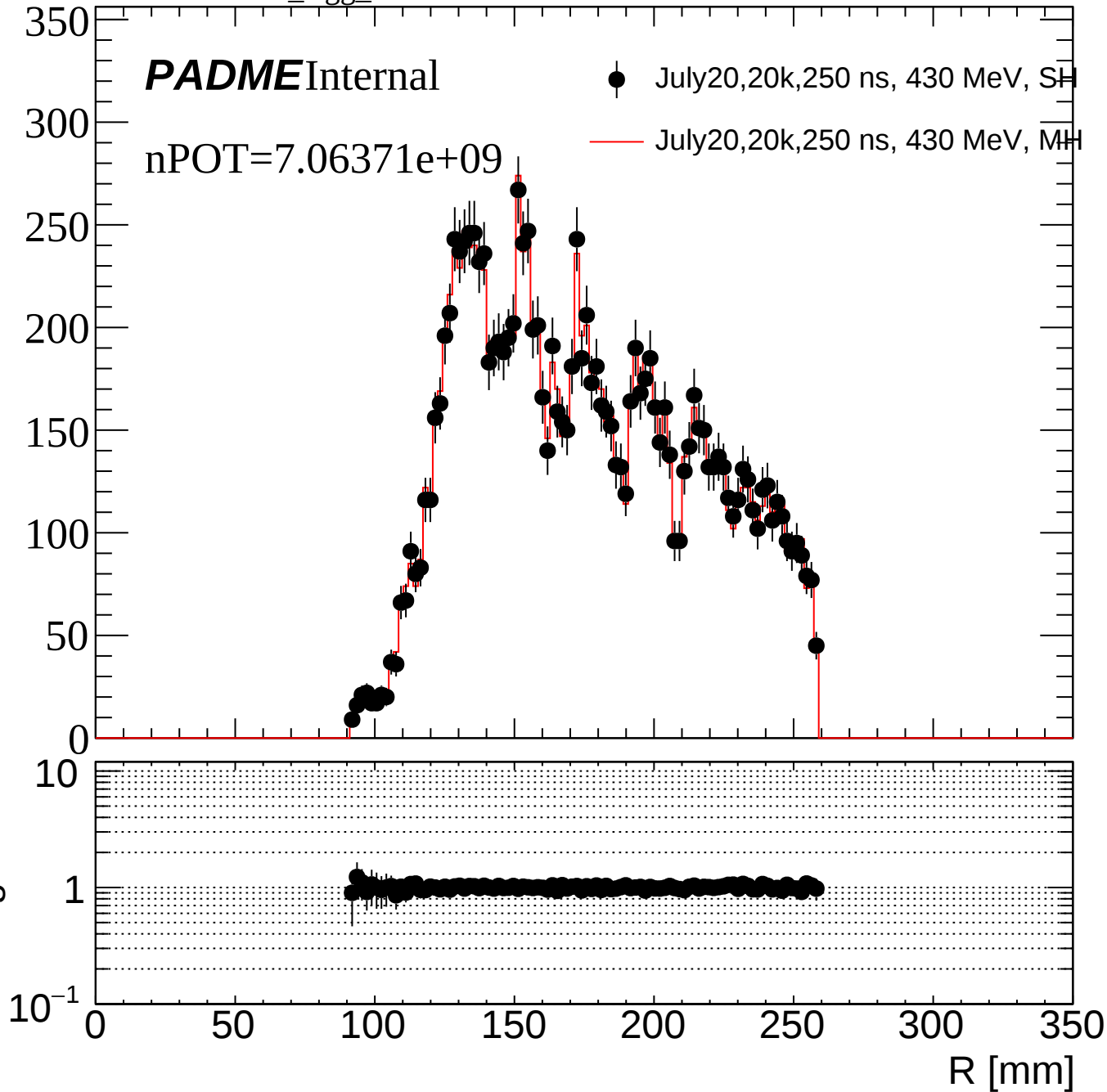
PADMEInternal

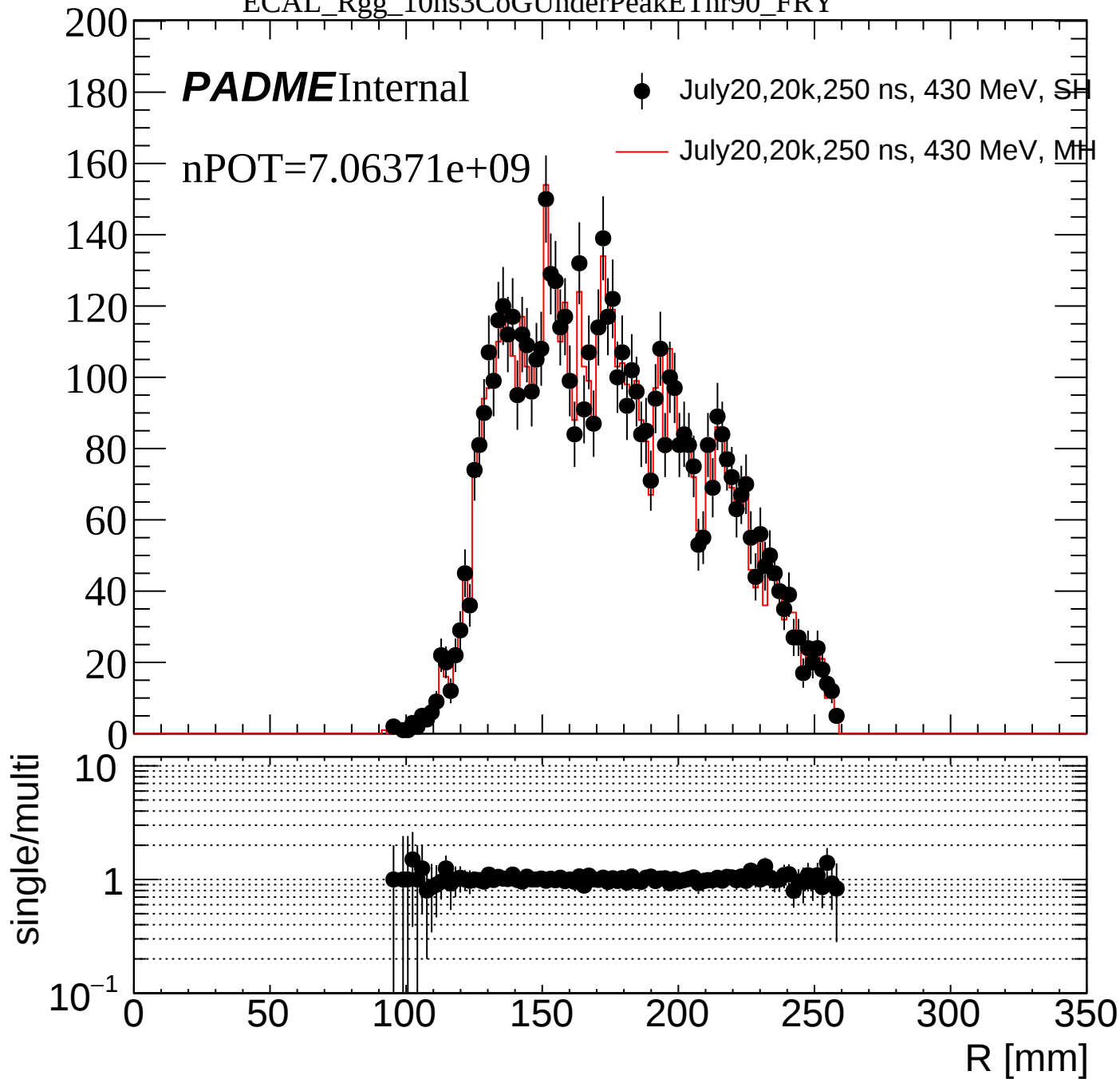
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



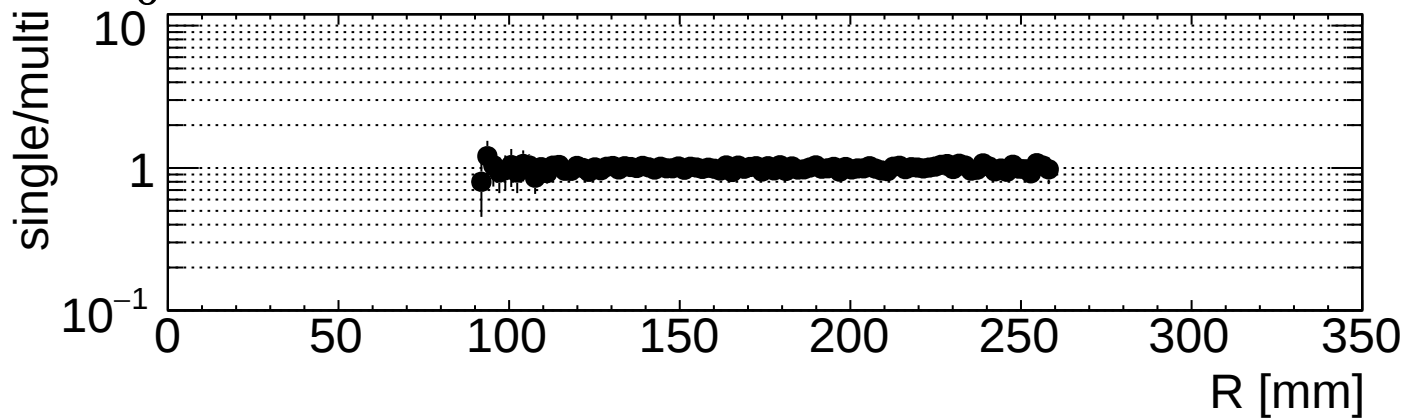


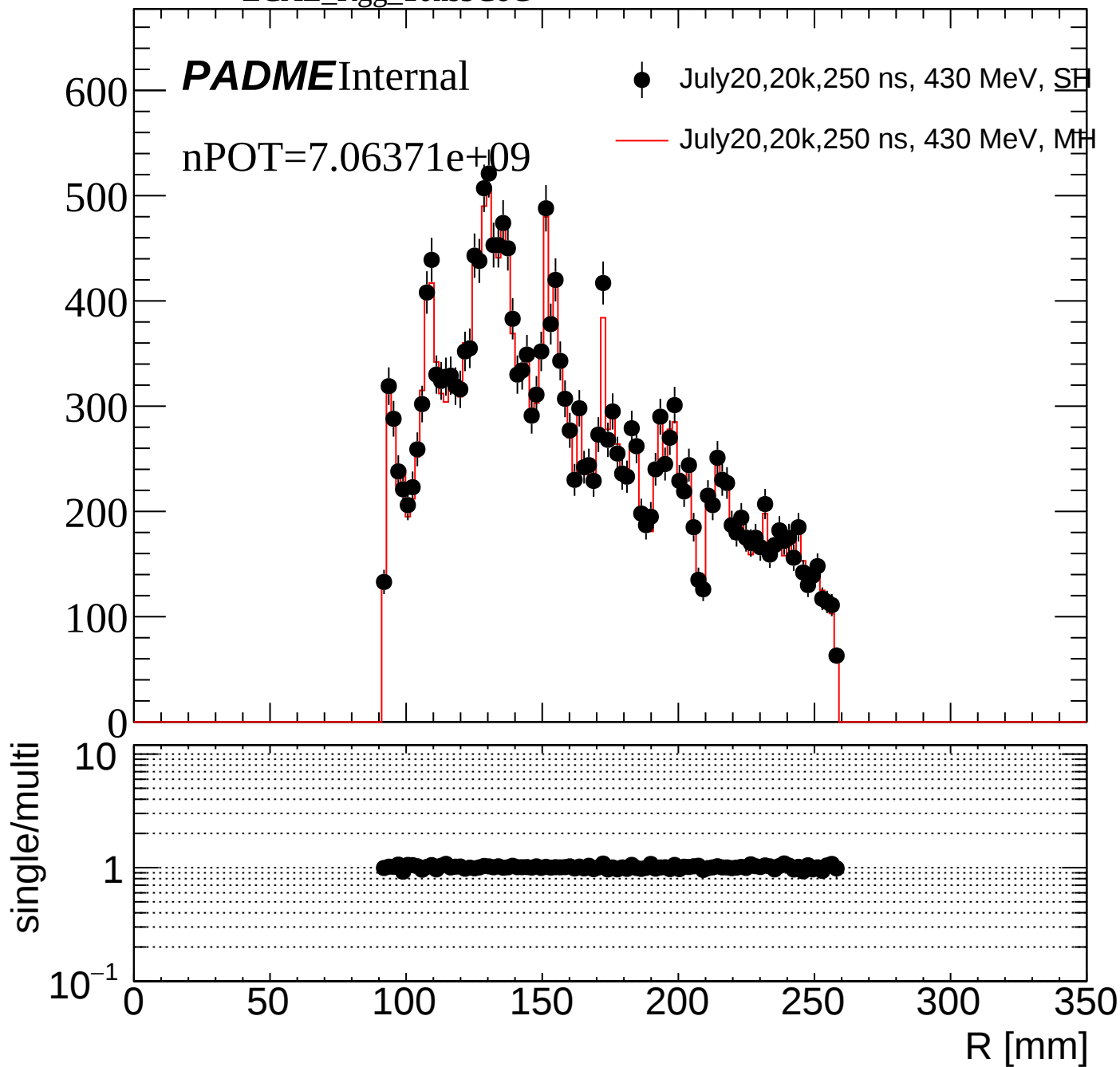
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH





ECAL_Rgg_10ns5CoGUnderPeak

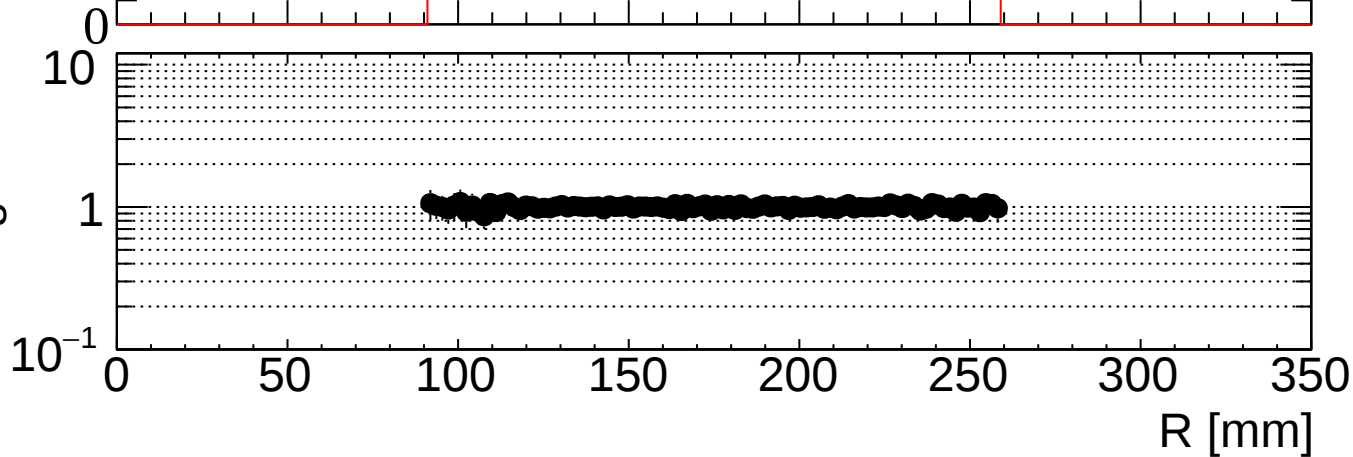
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



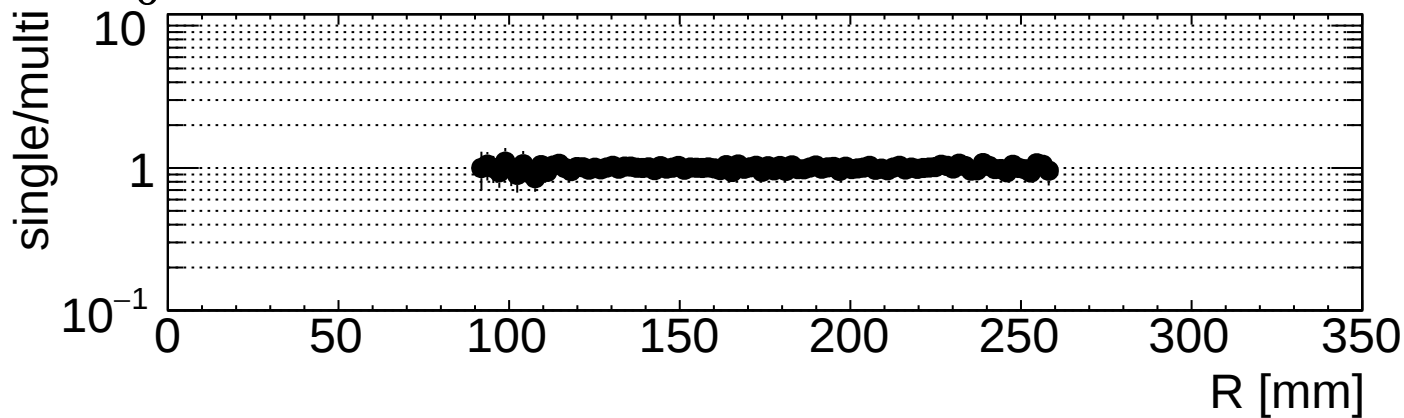
ECAL_Rgg_10ns5CoGUnderPeakEThr90

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



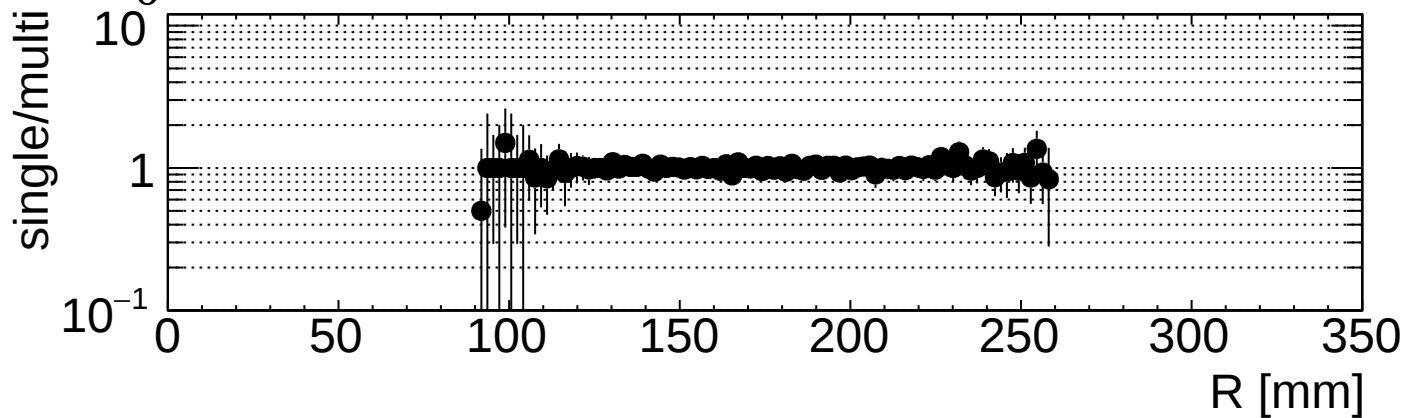
ECAL_Rgg_10ns5CoGUnderPeakEThr90_FRY

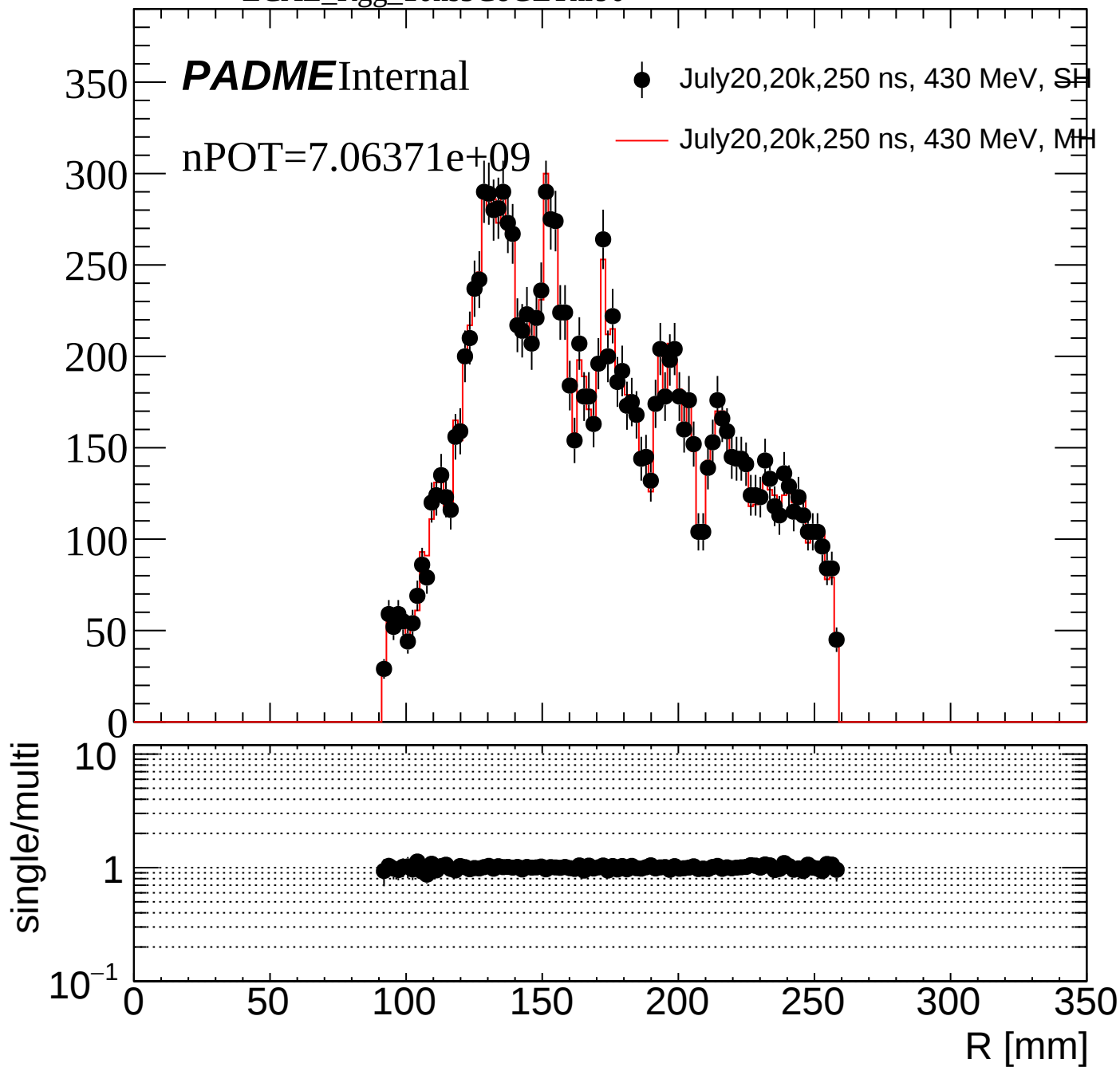
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH





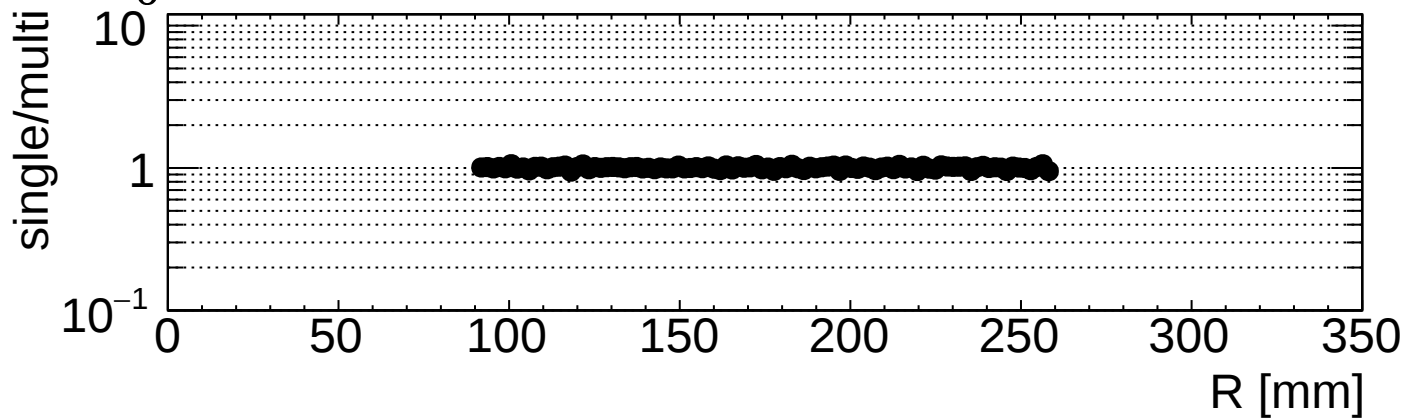
ECAL_Rgg_10nsUnderPeak

PADMEInternal

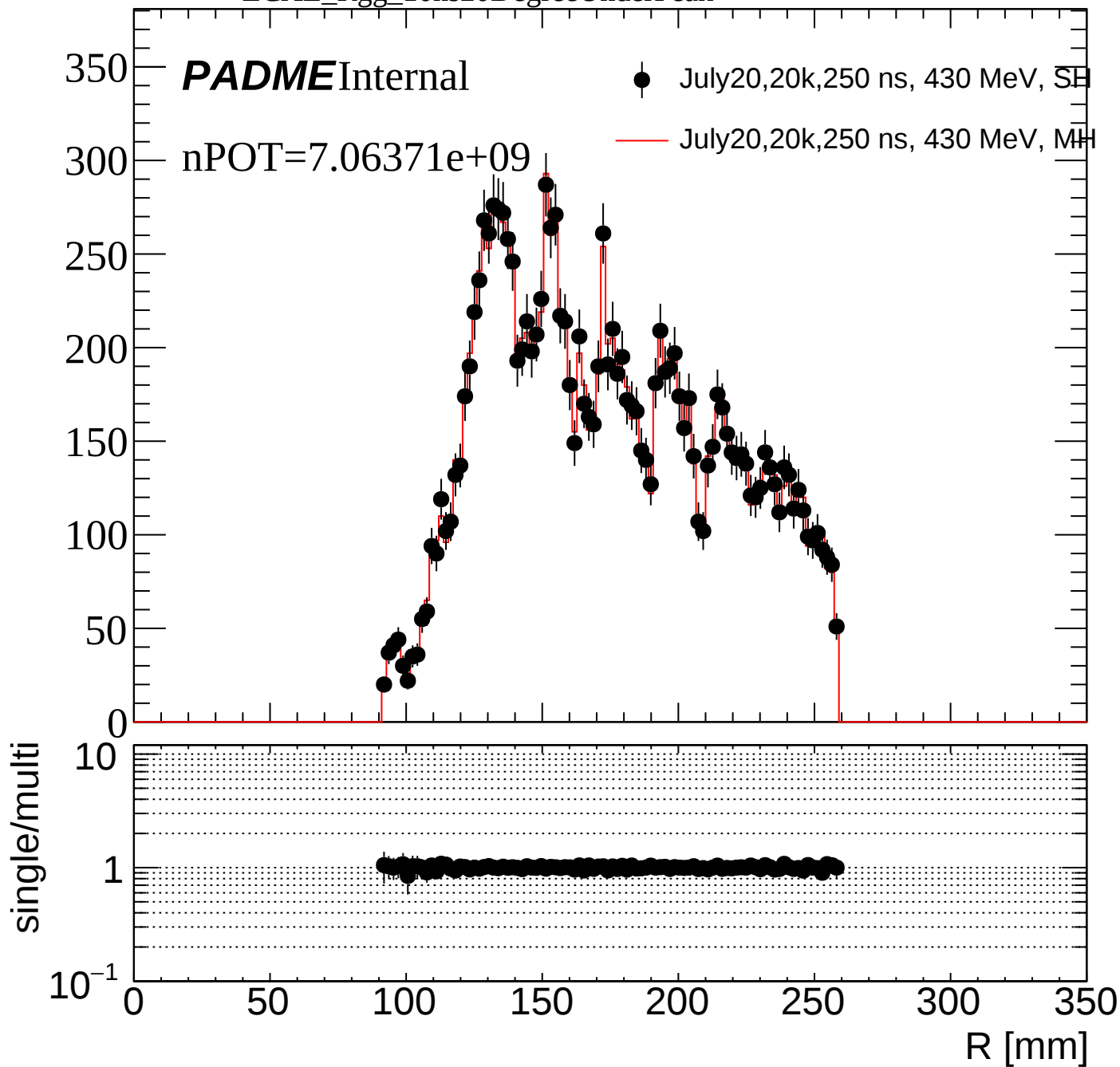
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns20DegreeUnderPeak



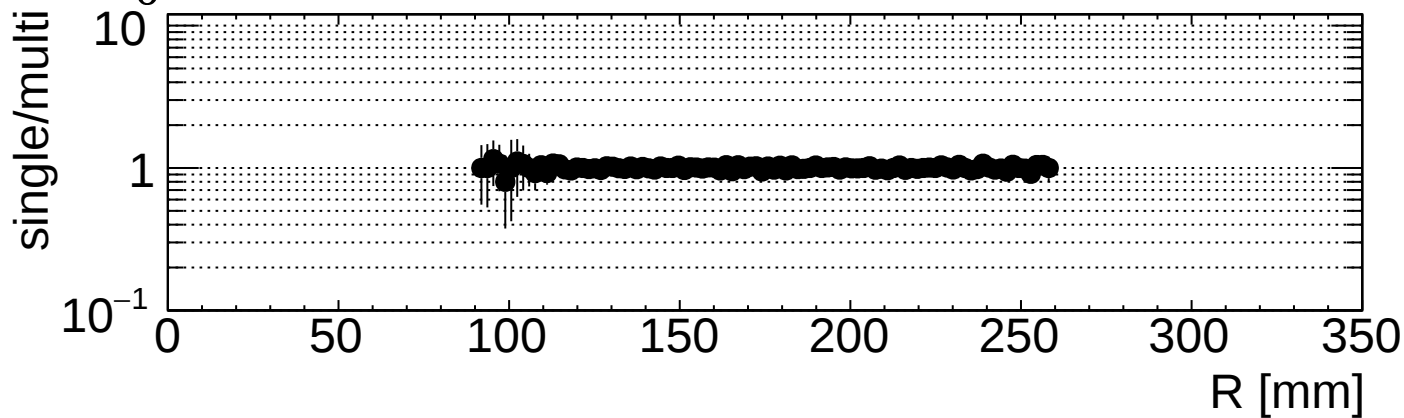
ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak

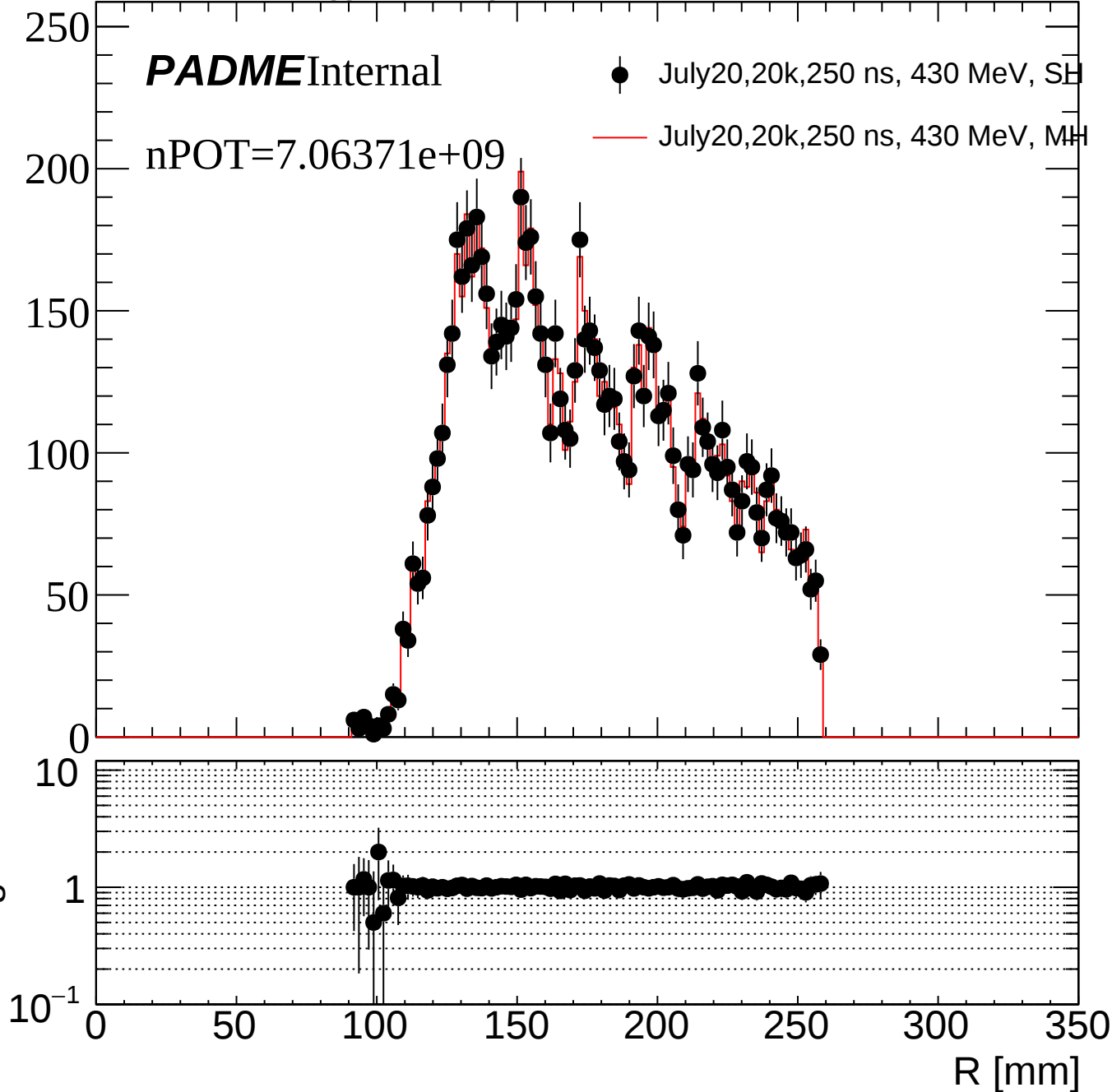
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90

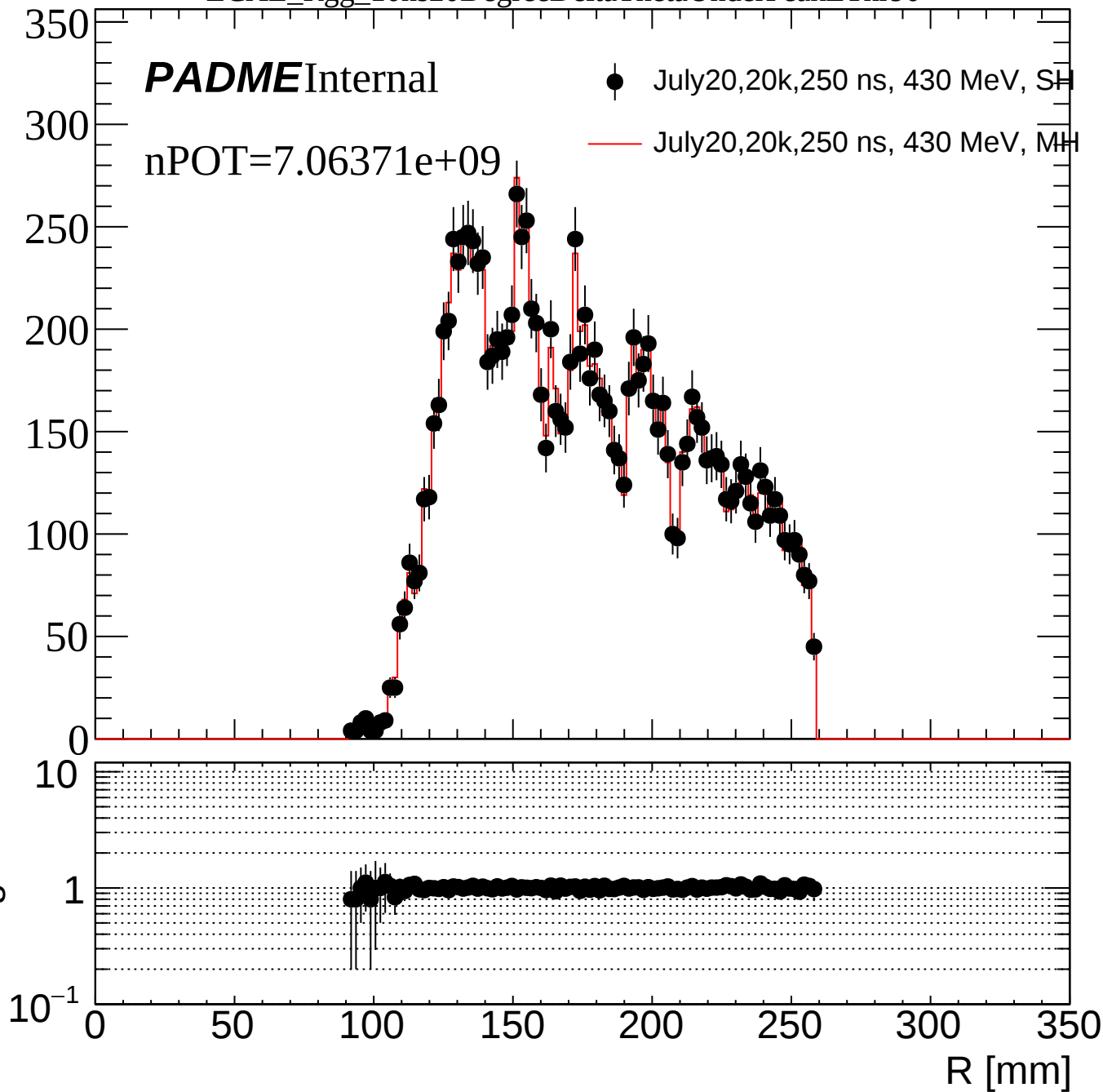
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



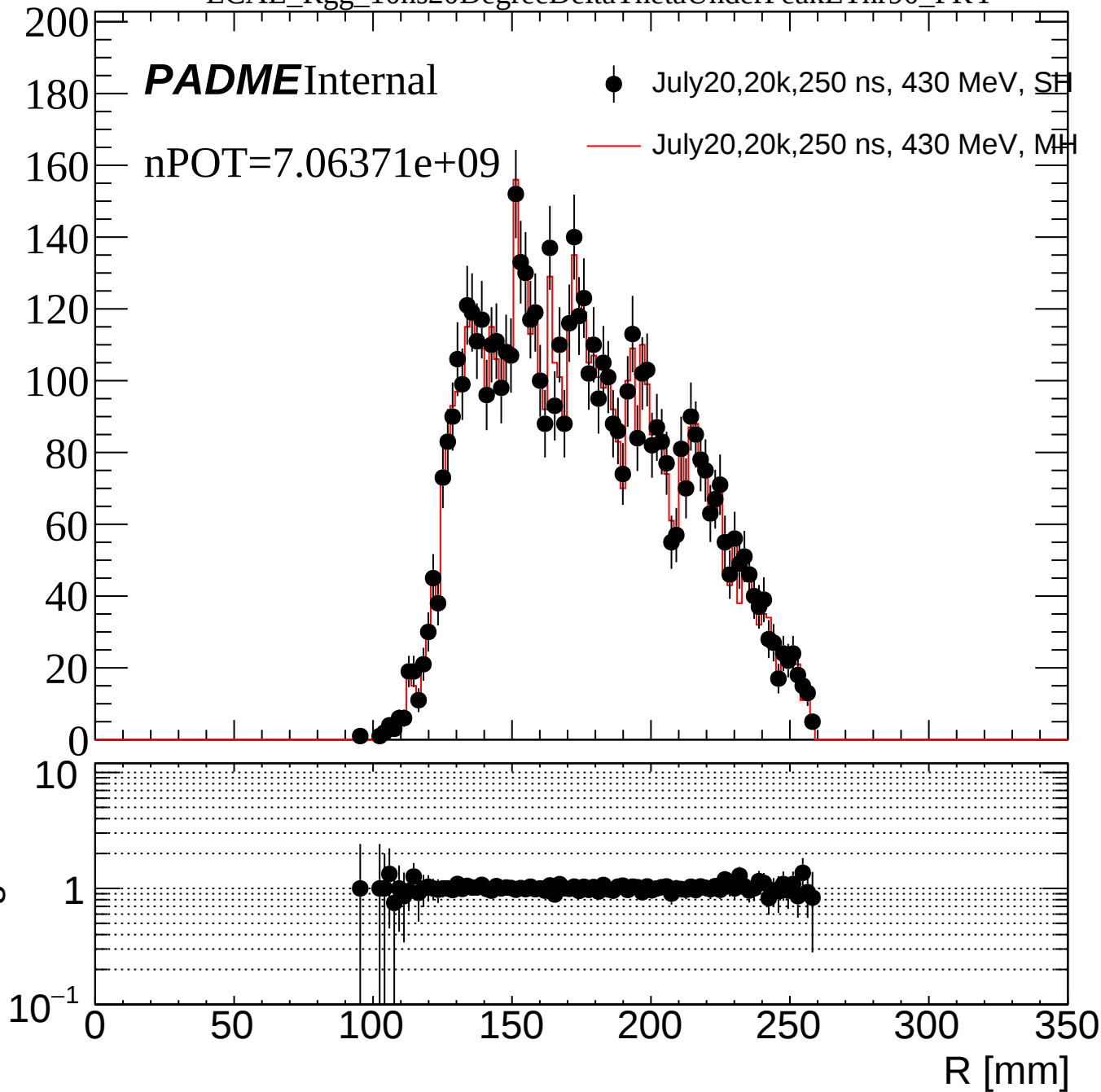
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeakEThr90

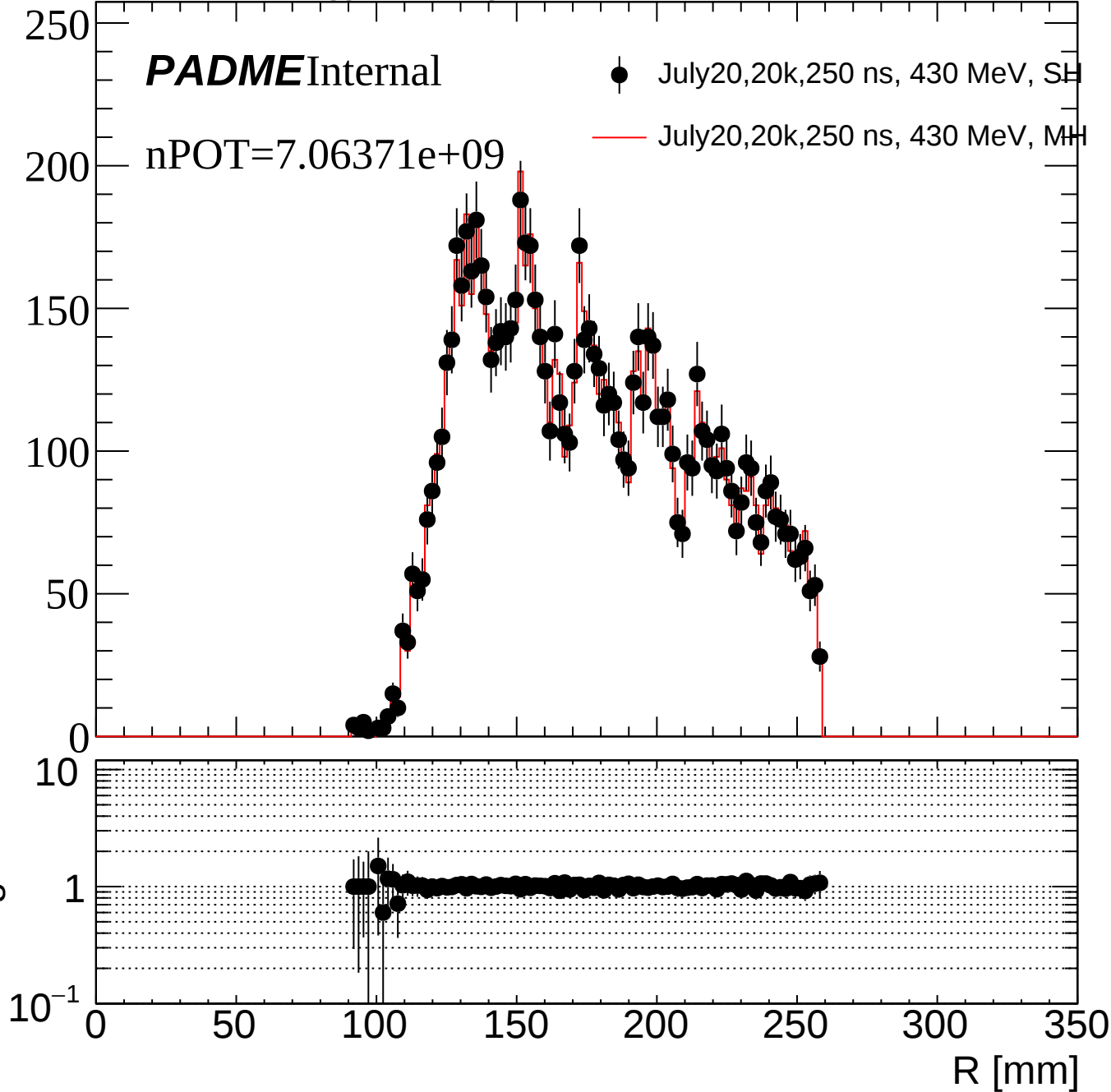
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns5DegreeDeltaThetaEThr90

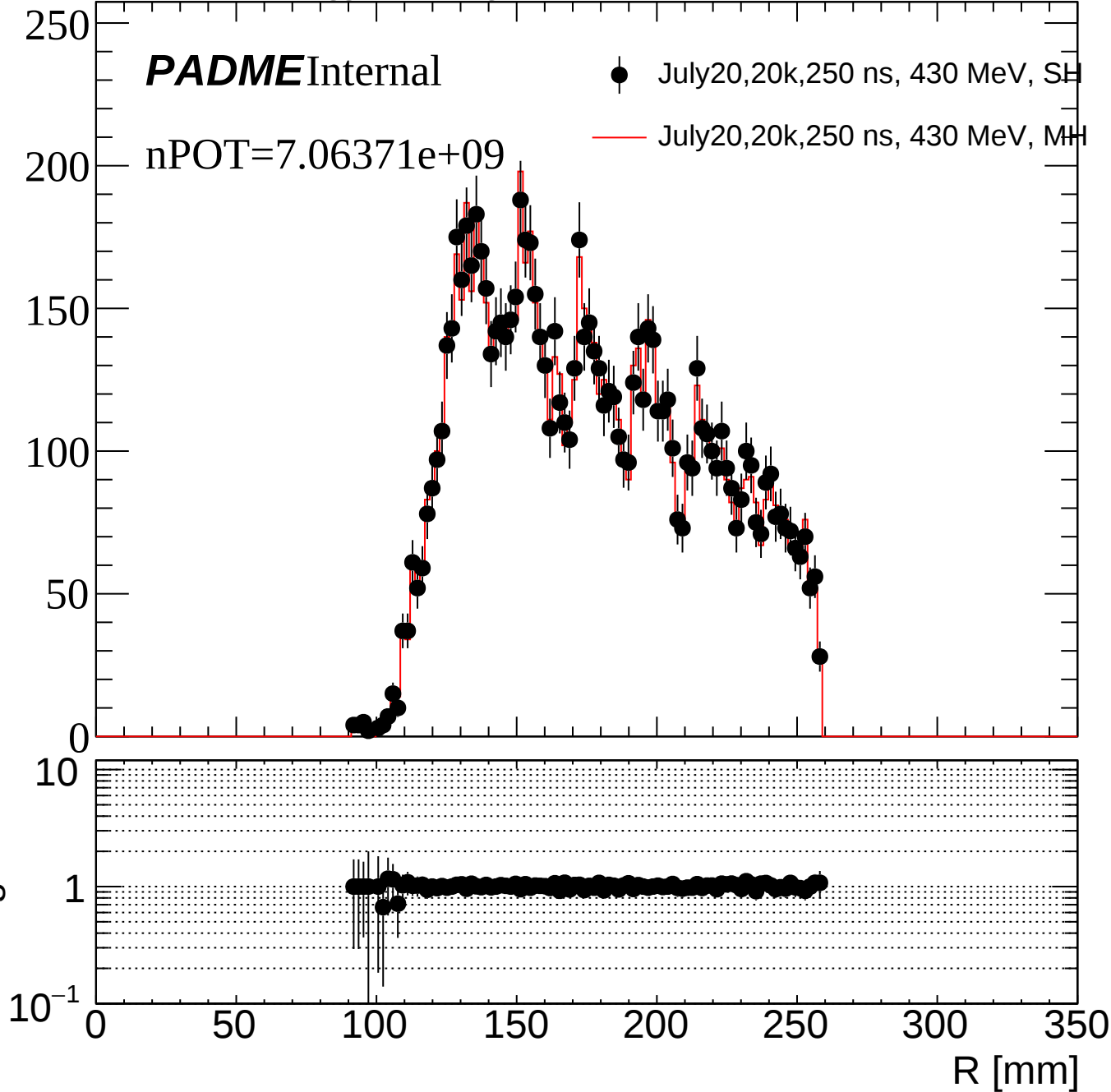
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoGUnderPeak

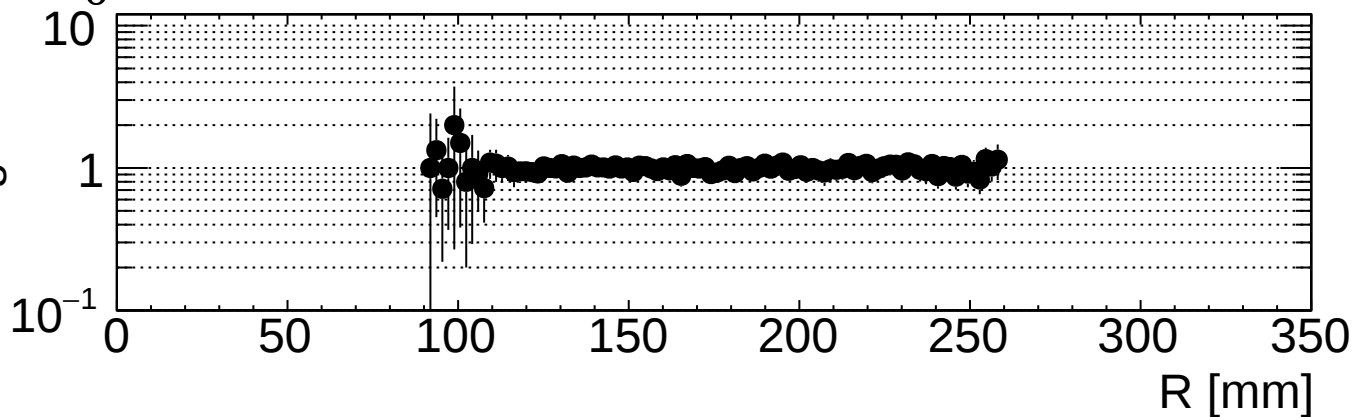
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoGUnderPeakEThr90

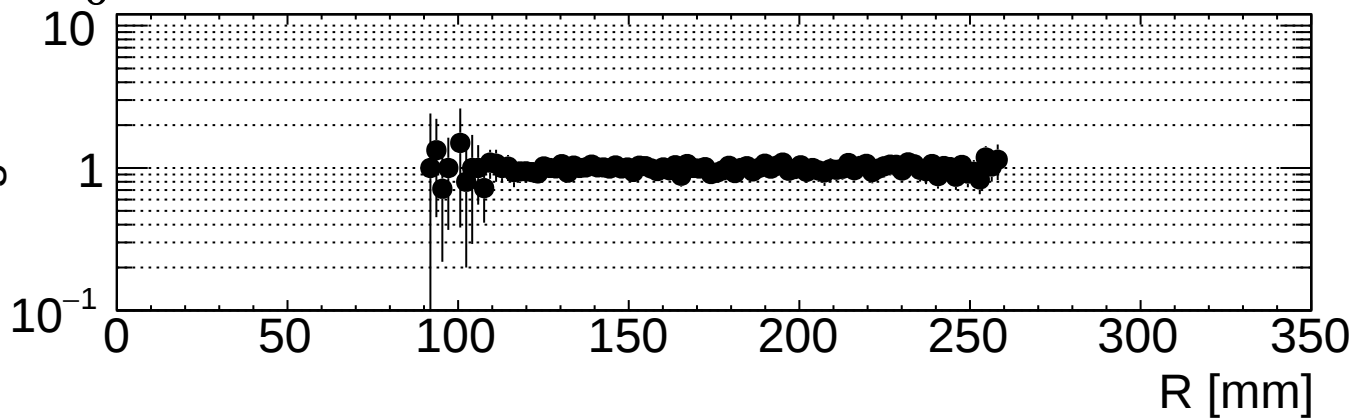
PADMEInternal

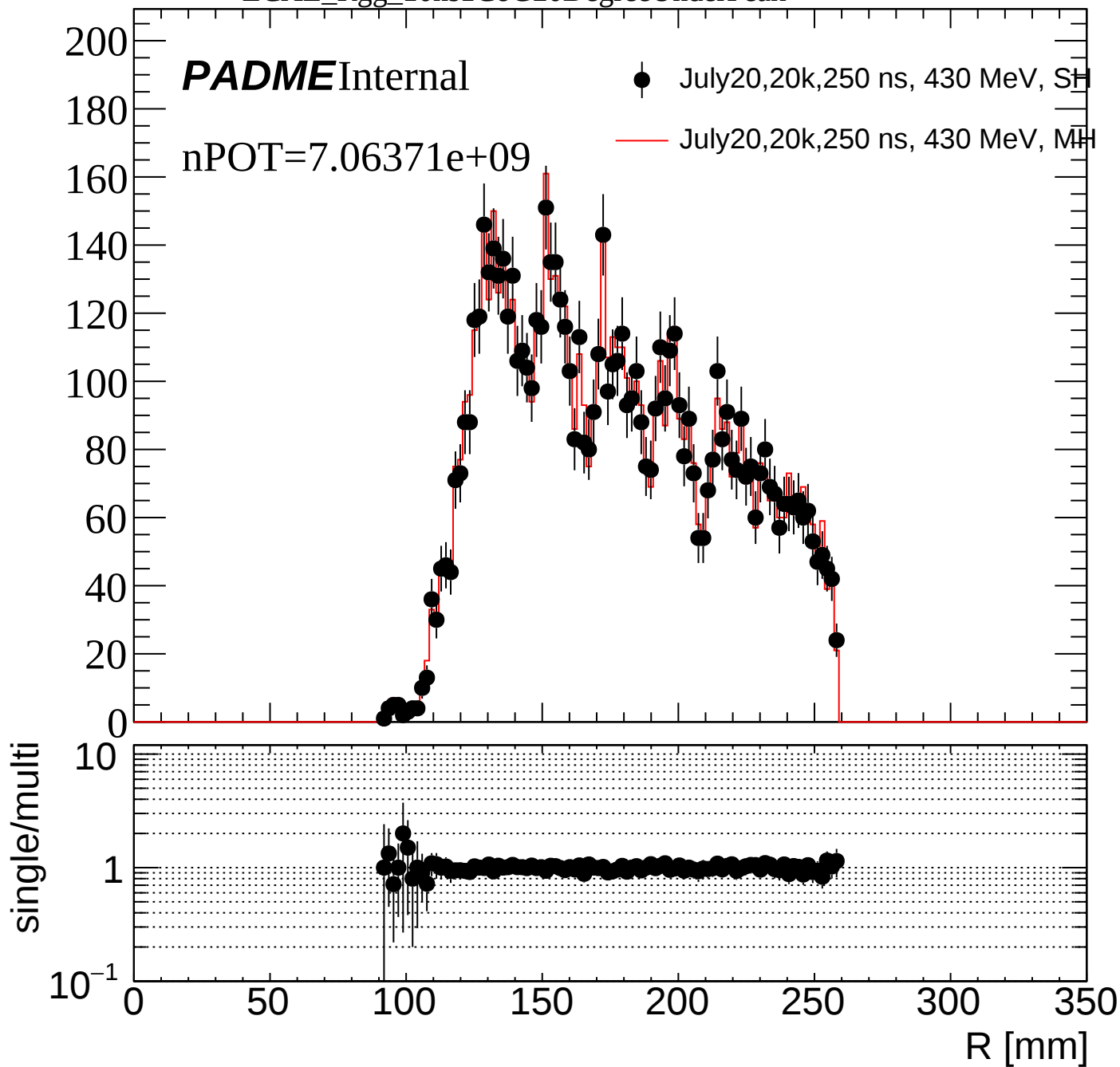
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi





ECAL_Rgg_10ns1CoG20DegreeDeltaThetaUnderPeak

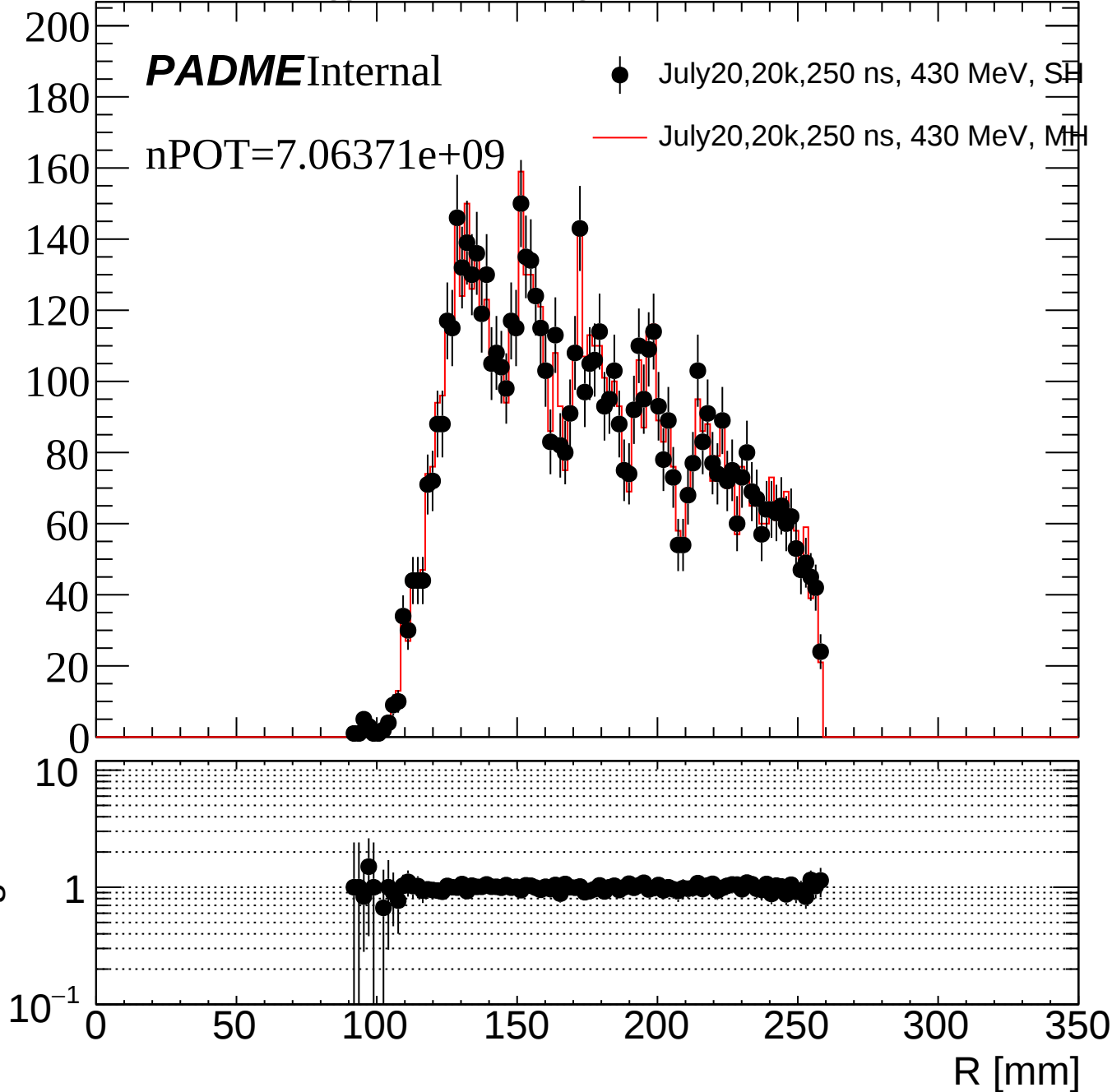
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SP

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10nsEThr90

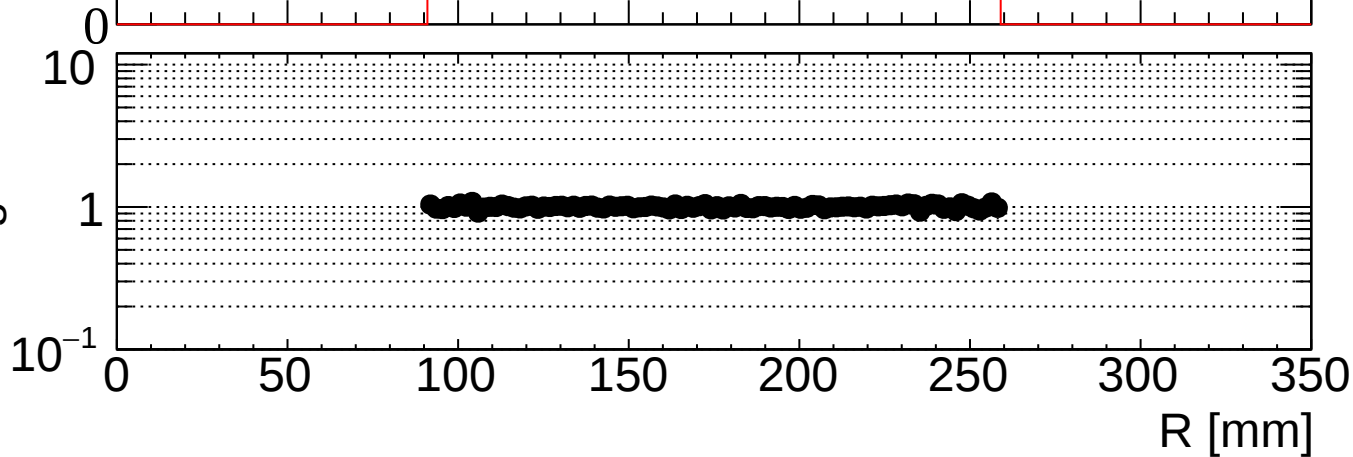
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns20DegreeEThr90

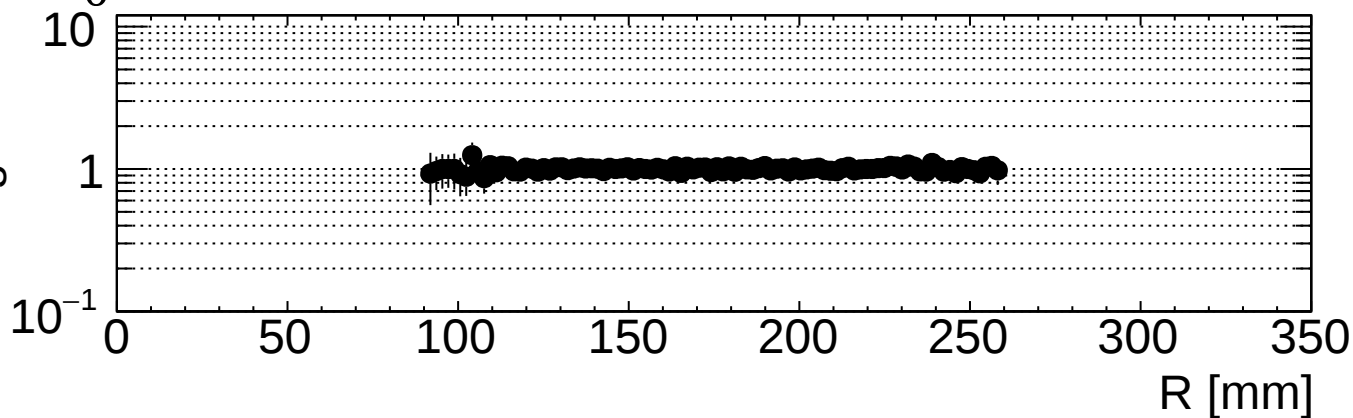
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns20DegreeDeltaThetaEThr90

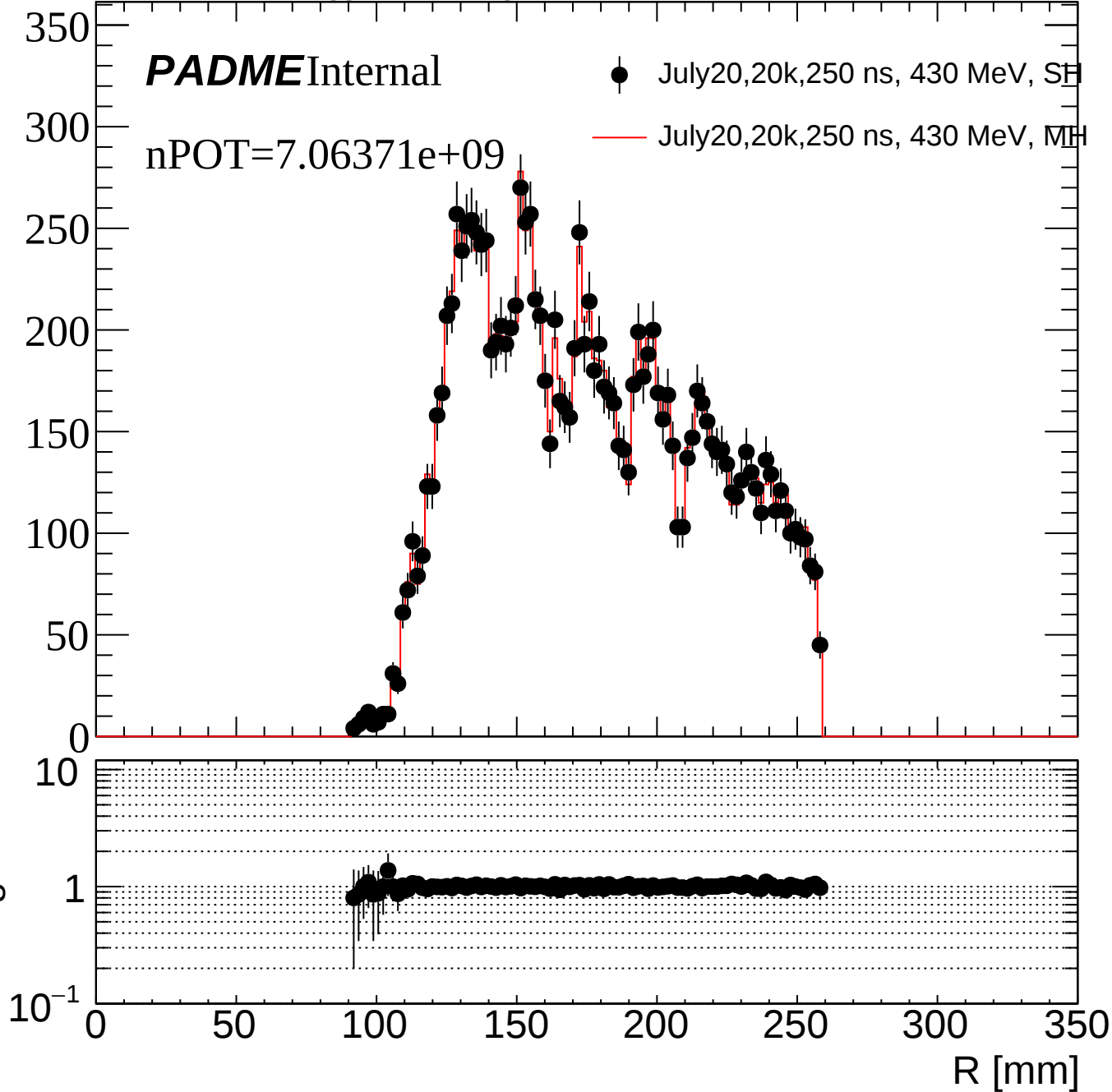
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeEThr90

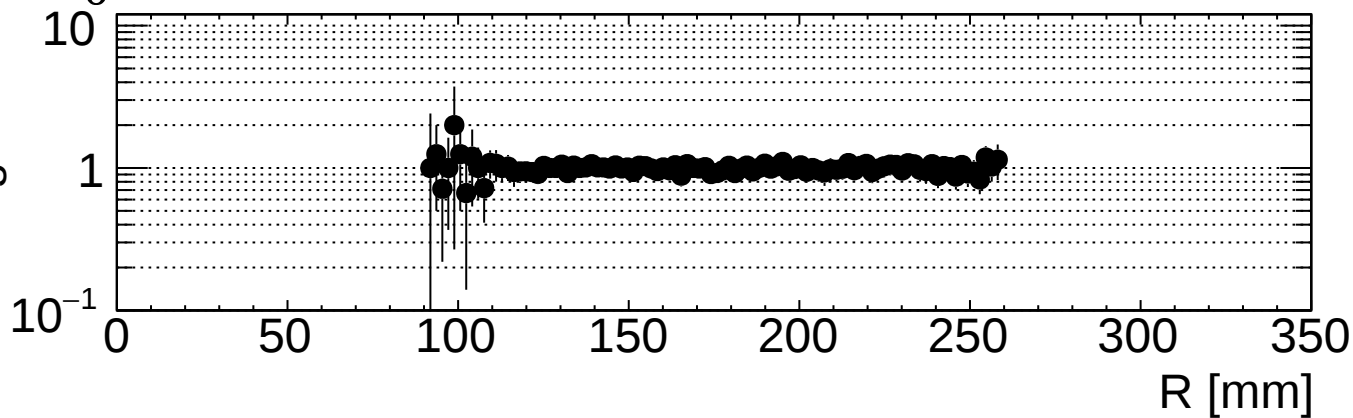
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Rgg_10ns1CoG20DegreeDeltaThetaEThr90

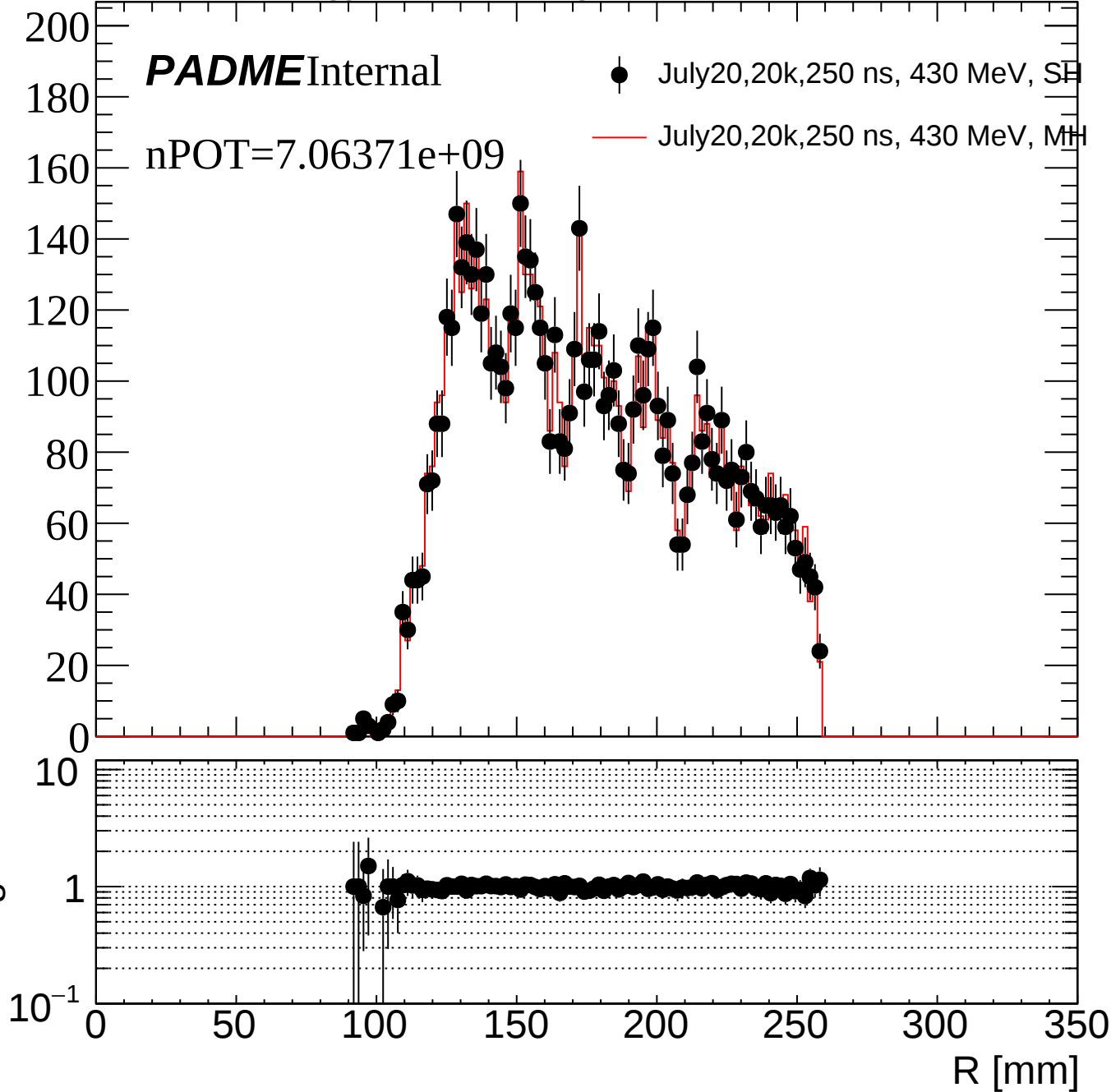
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SP

— July20,20k,250 ns, 430 MeV, MH

single/multi



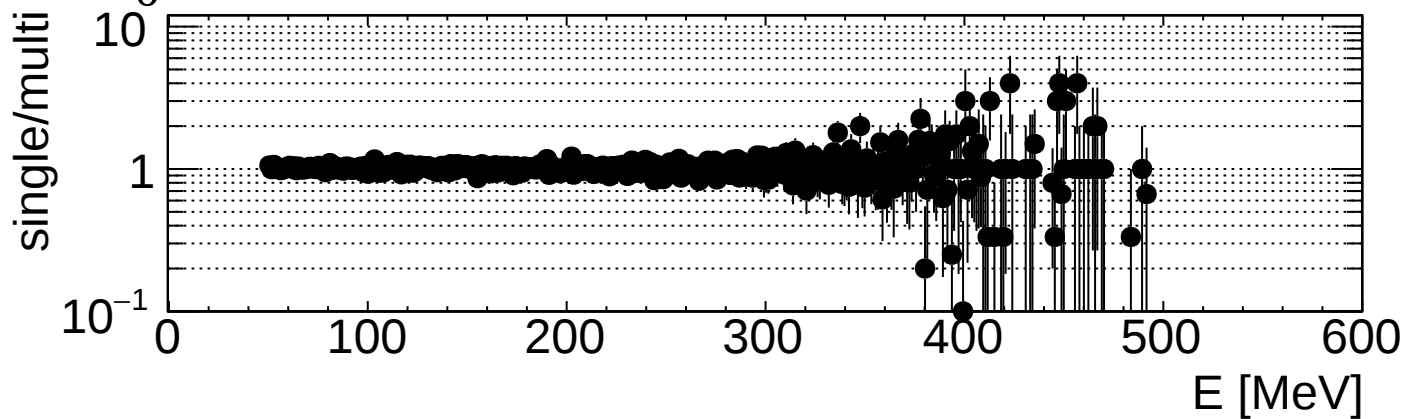
ECAL_Egg_10ns

PADMEInternal

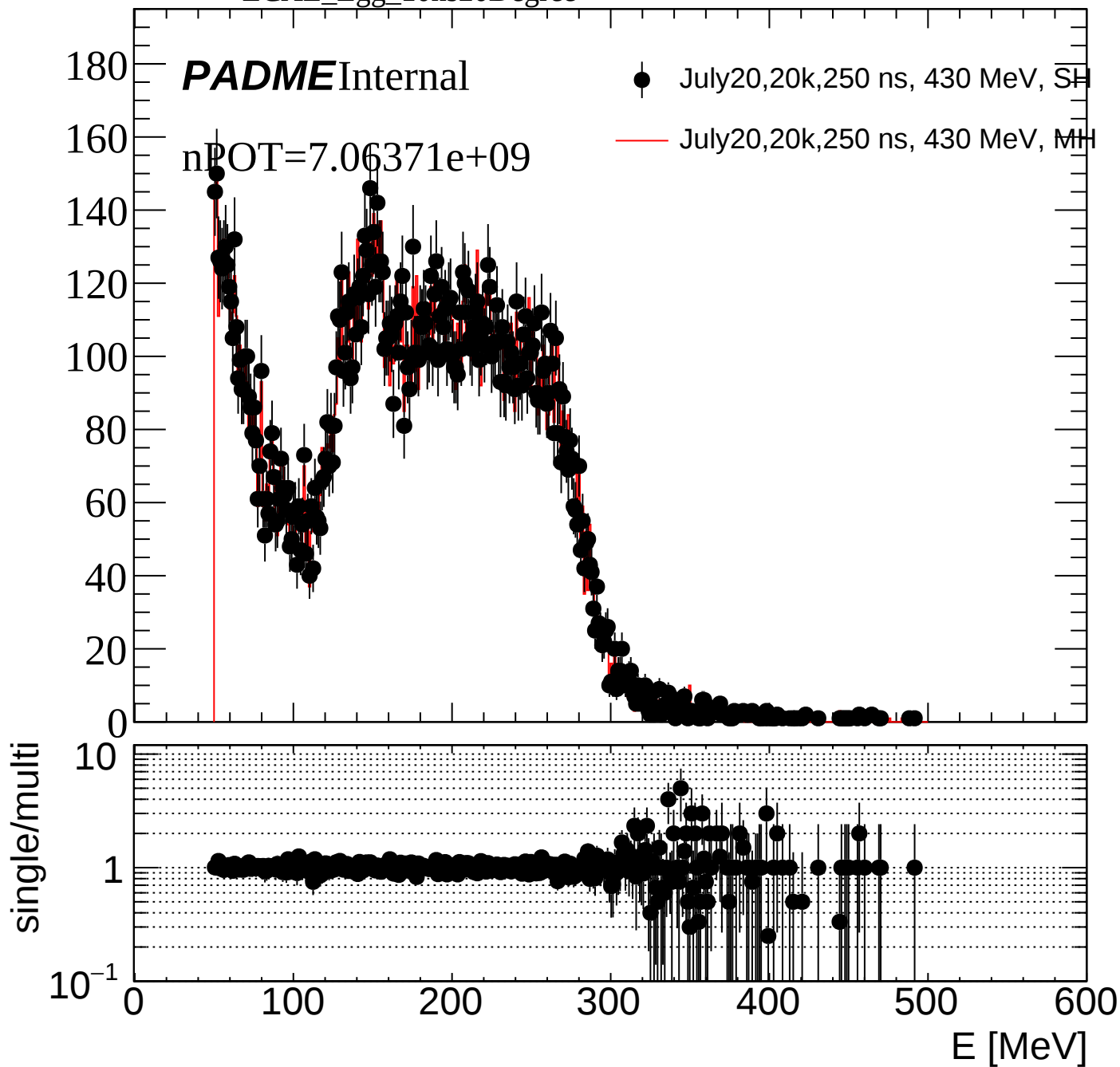
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

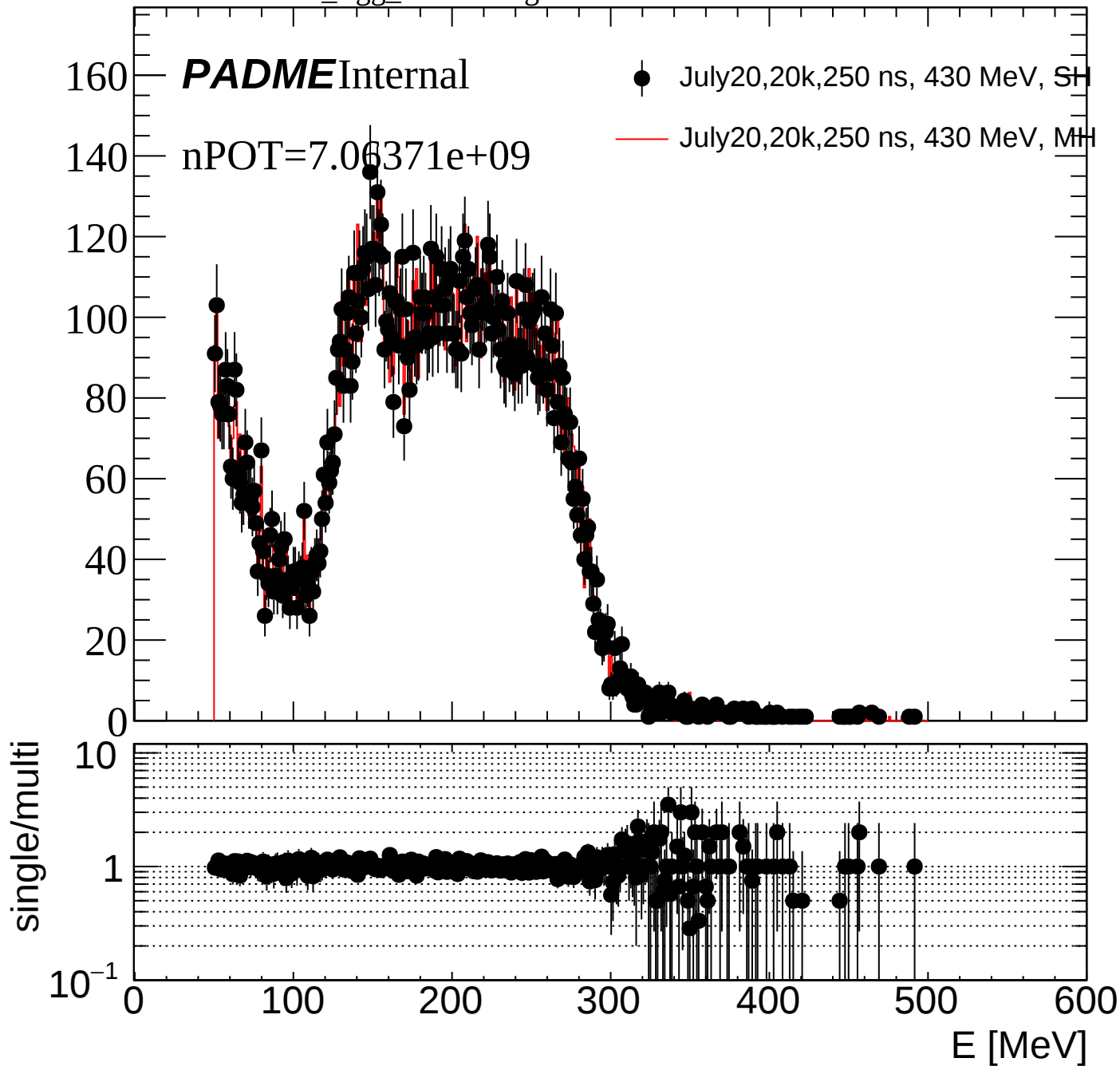
— July20,20k,250 ns, 430 MeV, MH



ECAL_Egg_10ns20Degree



ECAL_Egg_10ns20DegreeDeltaTheta



ECAL_Egg_10ns5DegreeDeltaTheta

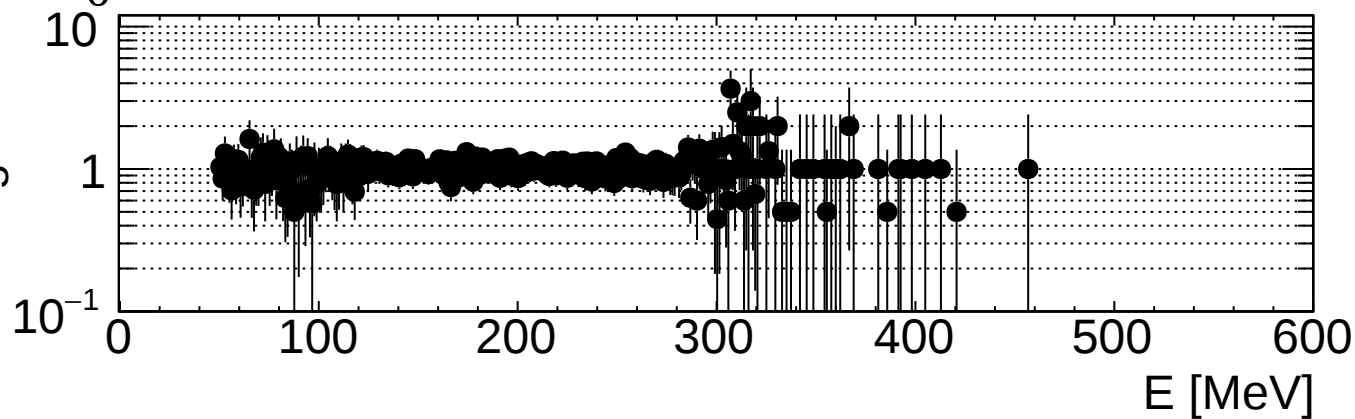
PADMEInternal

nPOT=7.06371e+09

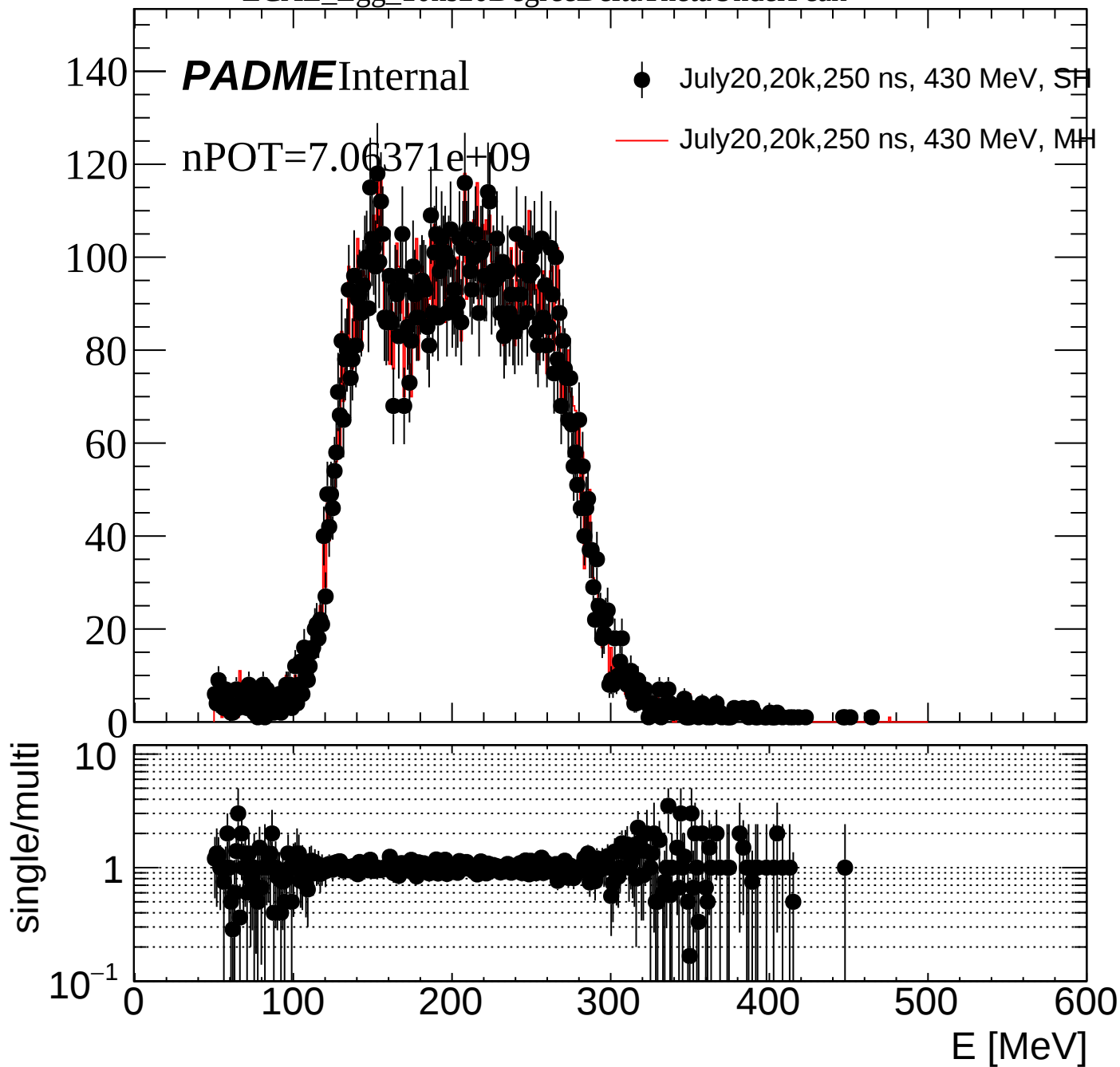
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

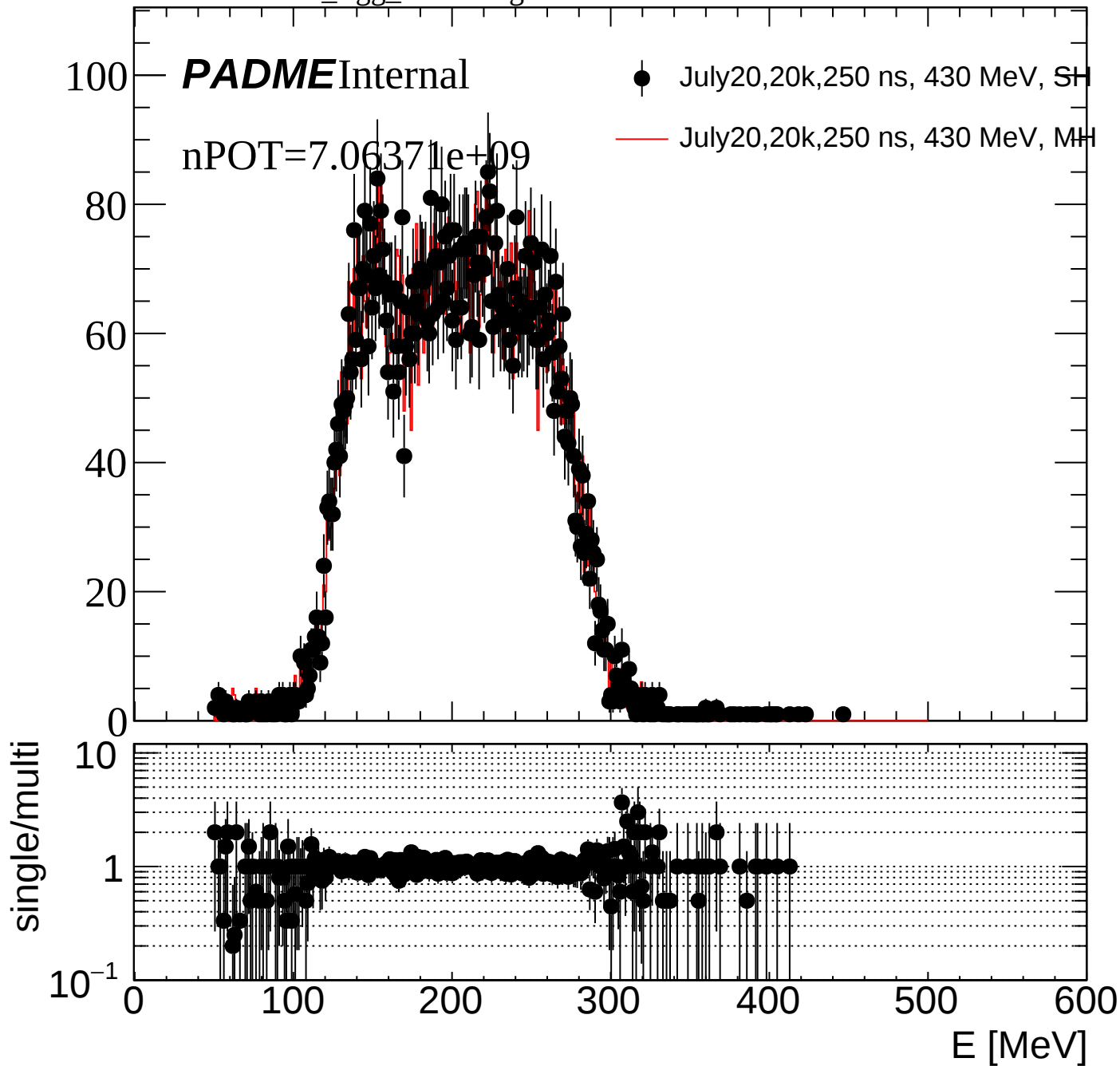
single/multi



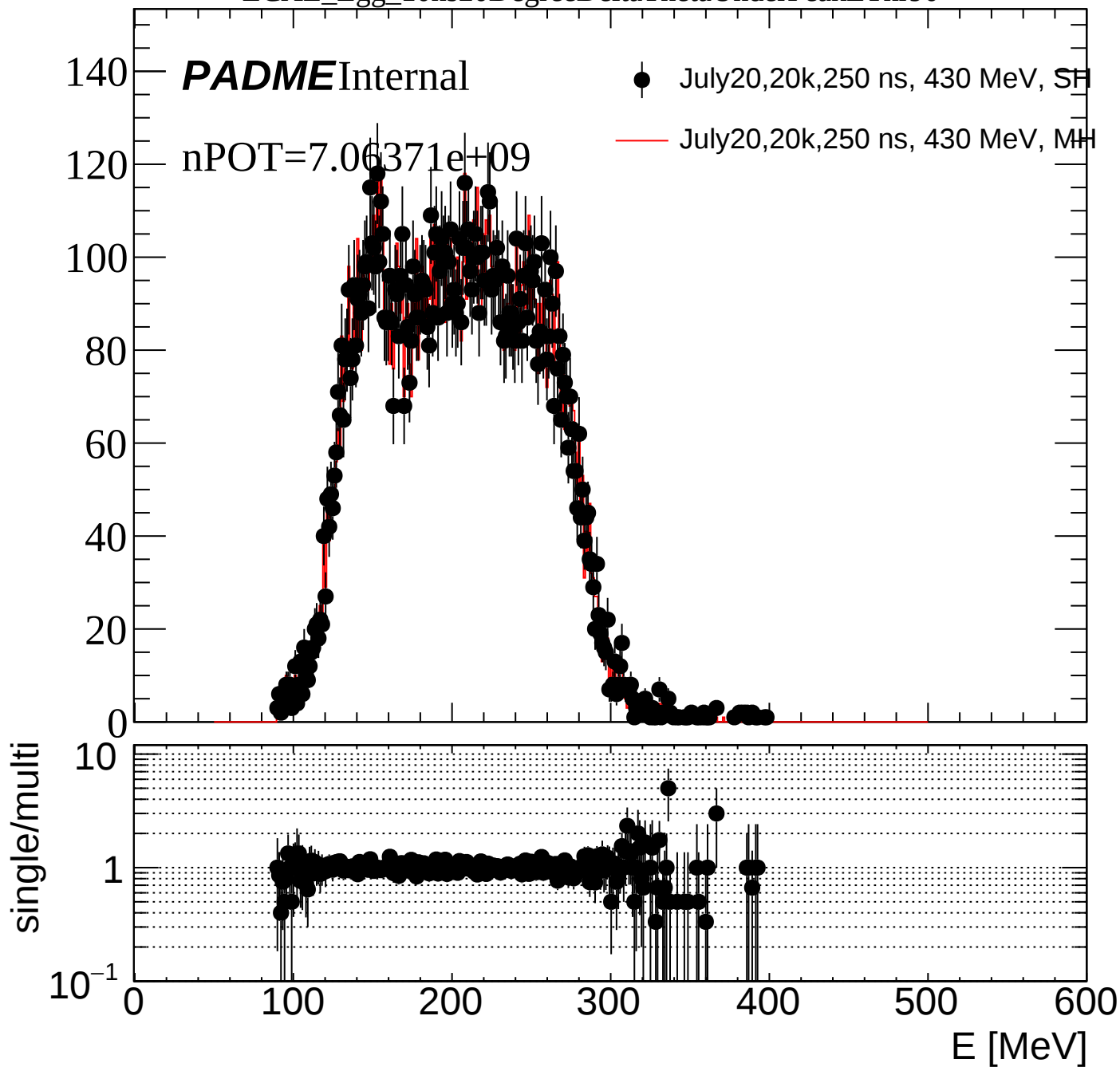
ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak



ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak



ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90

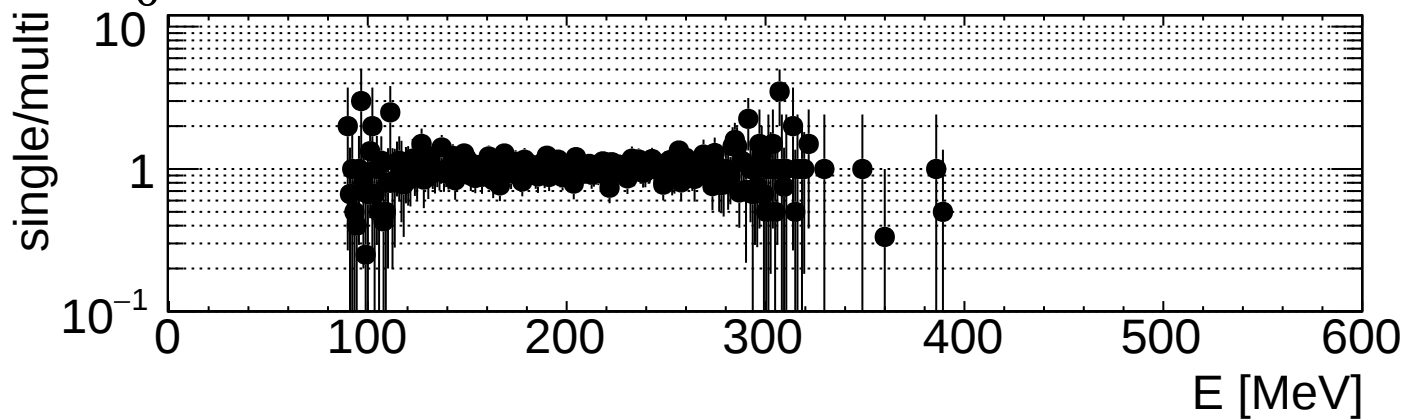


PADMEInternal

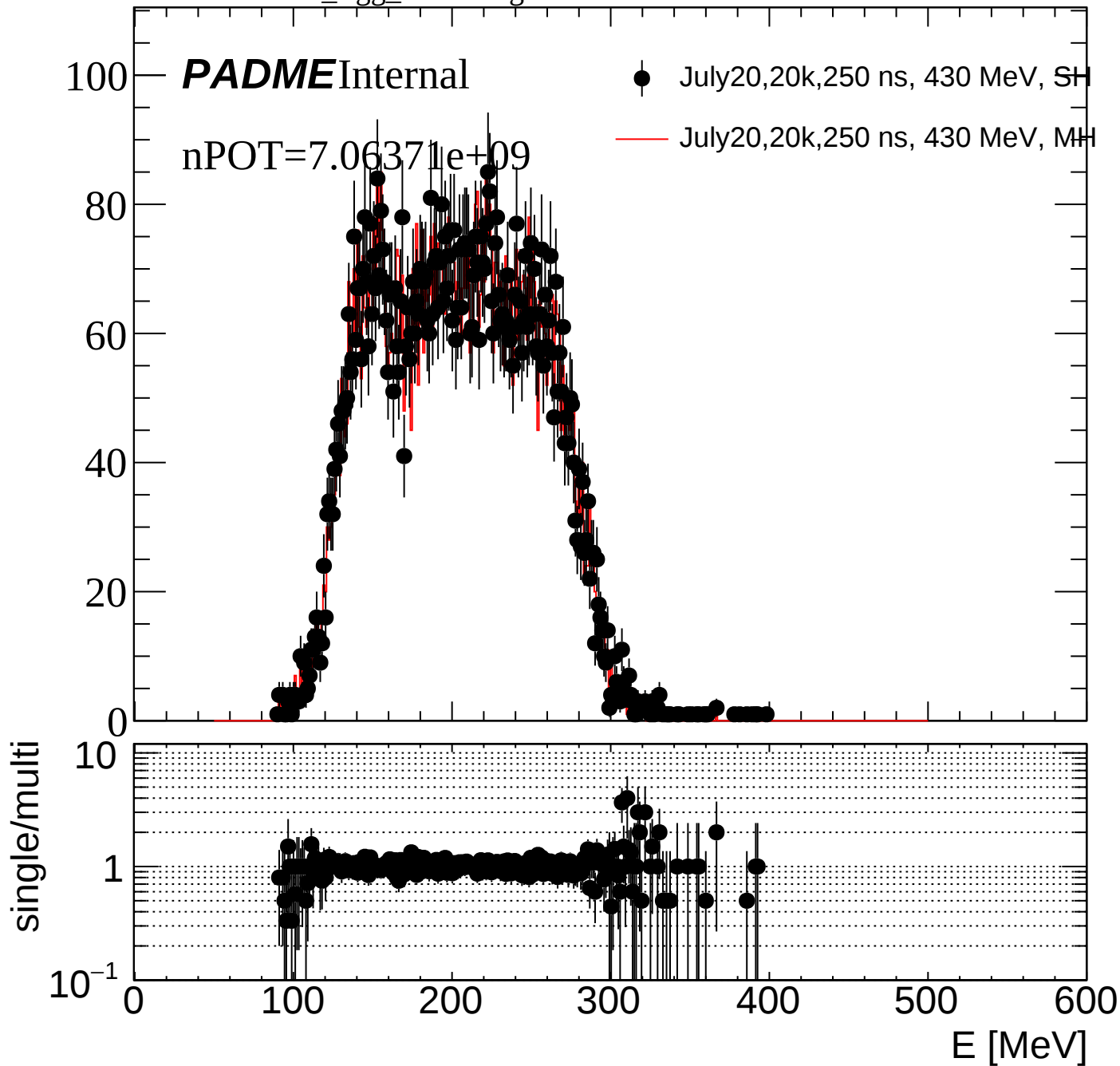
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

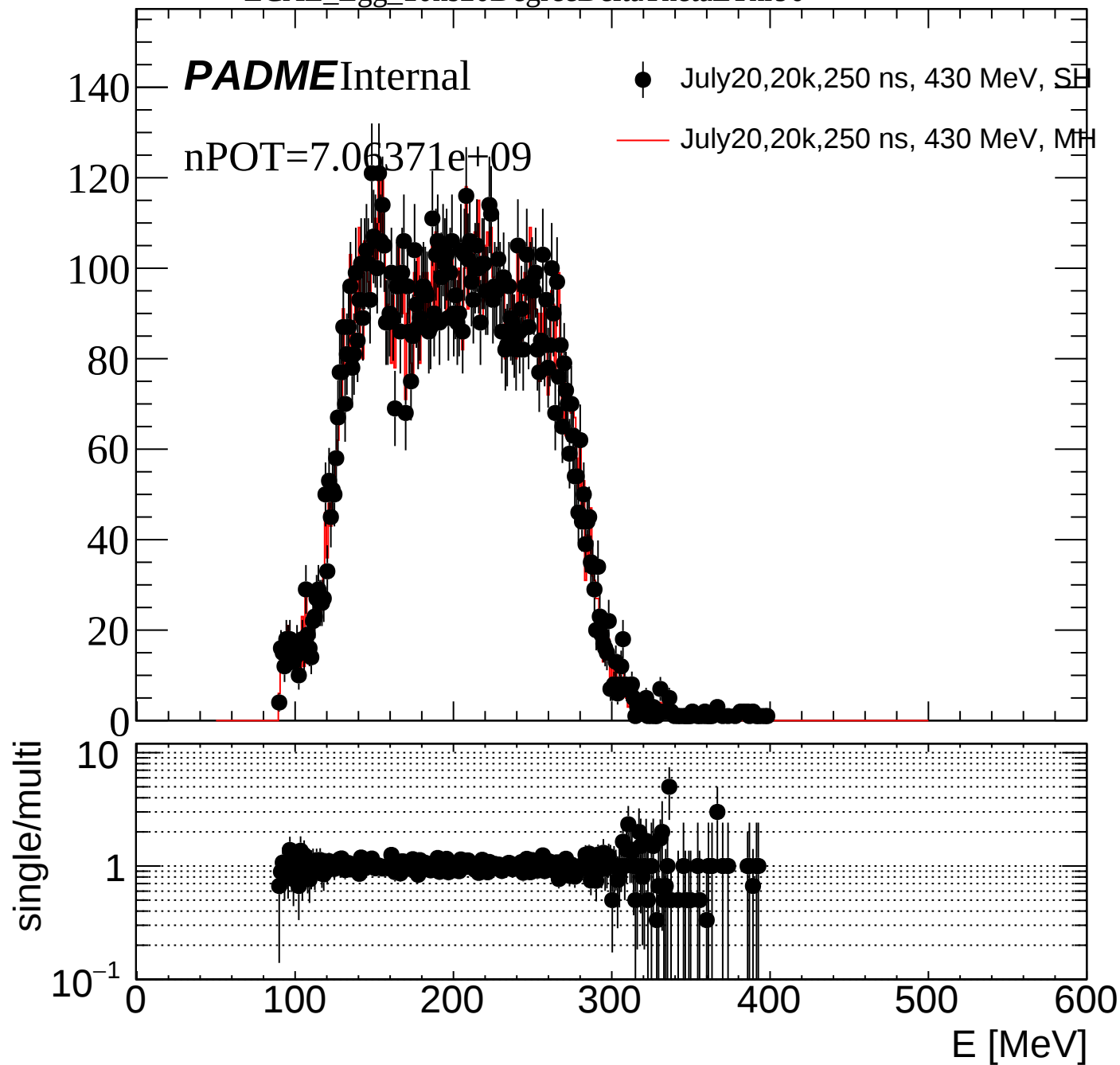
— July20,20k,250 ns, 430 MeV, MH



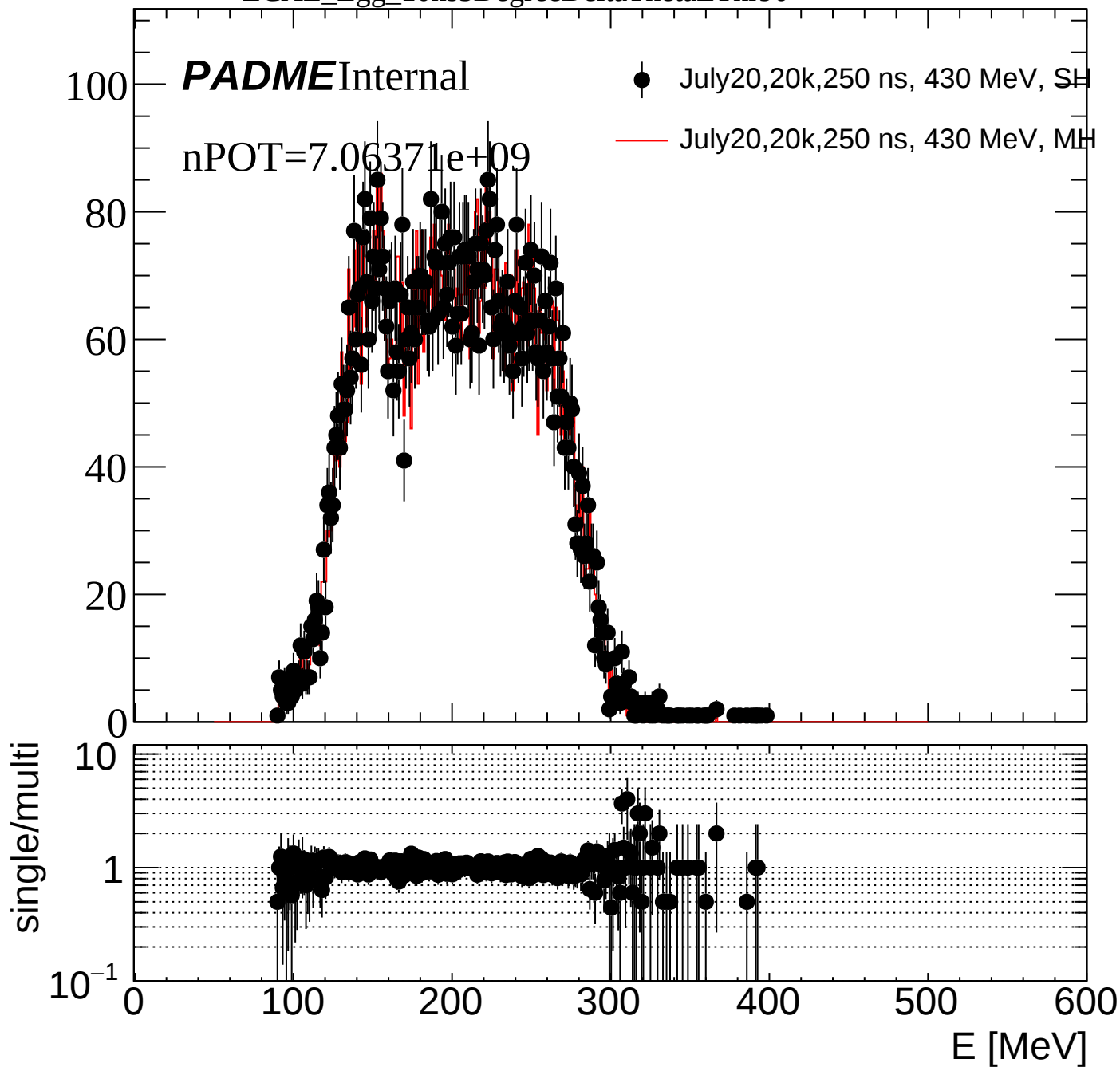
ECAL_Egg_10ns5DegreeDeltaThetaUnderPeakEThr90



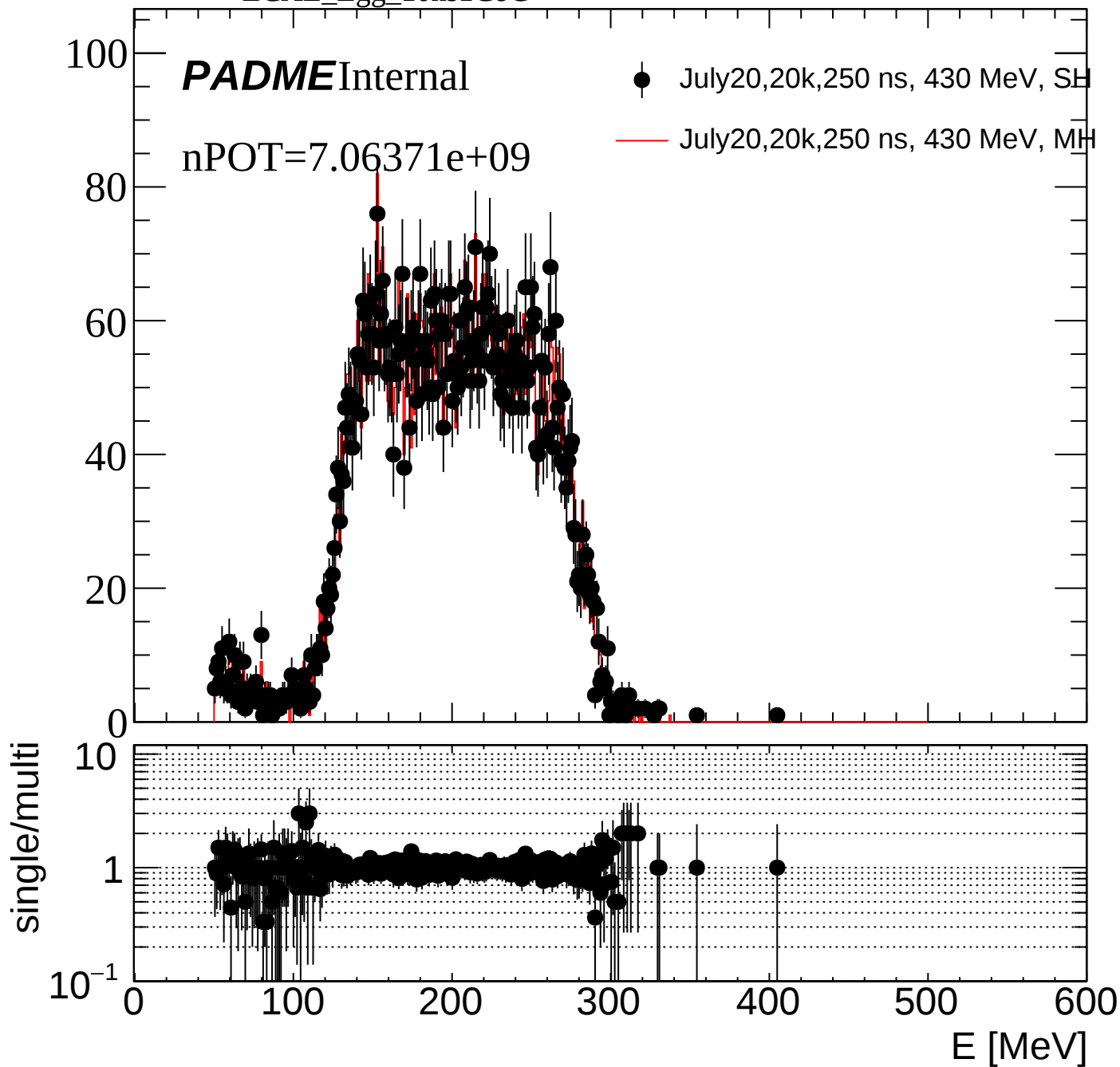
ECAL_Egg_10ns20DegreeDeltaThetaEThr90



ECAL_Egg_10ns5DegreeDeltaThetaEThr90



ECAL_Egg_10ns1CoG



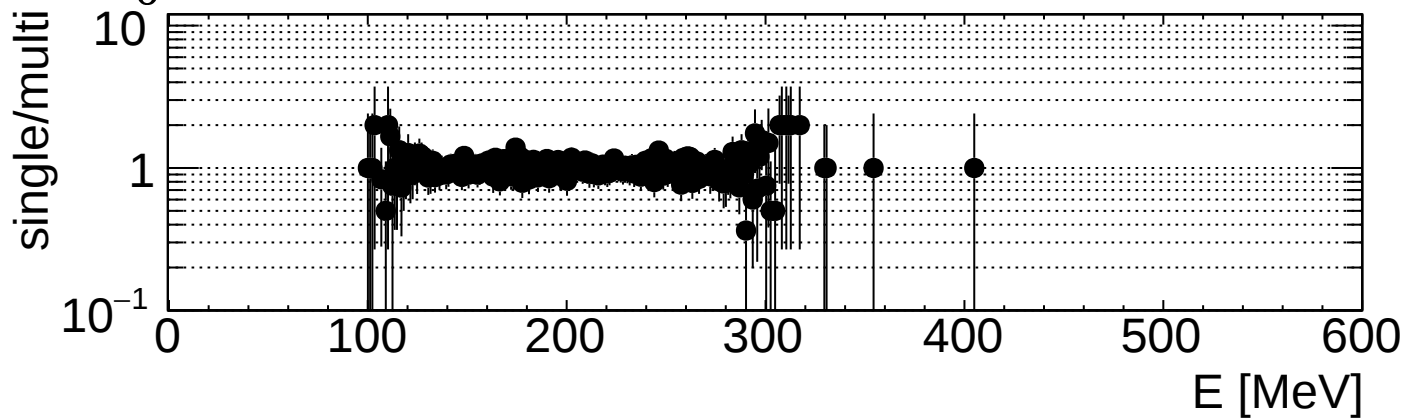
ECAL_Egg_10ns1CoGUnderPeak

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



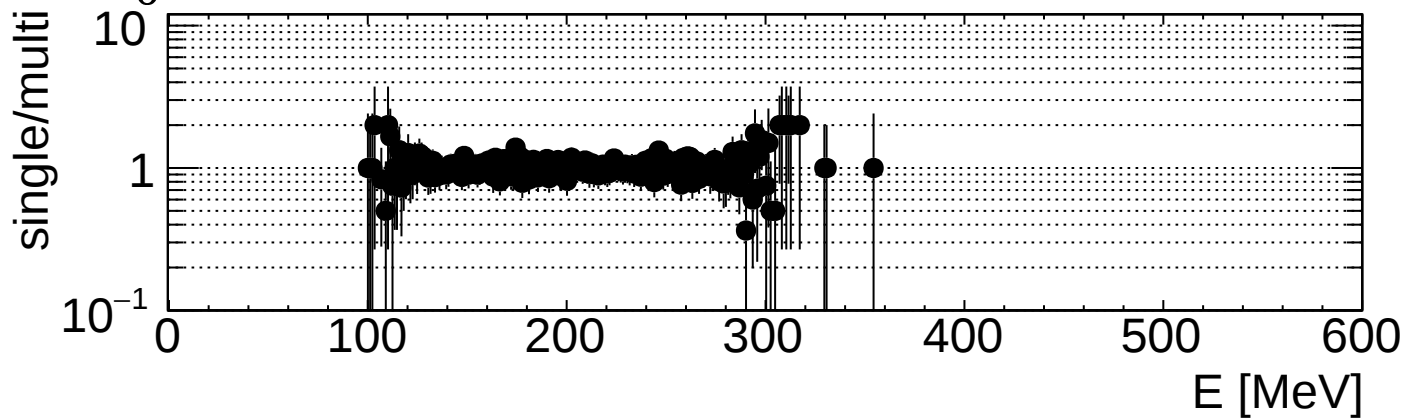
ECAL_Egg_10ns1CoGUnderPeakEThr90

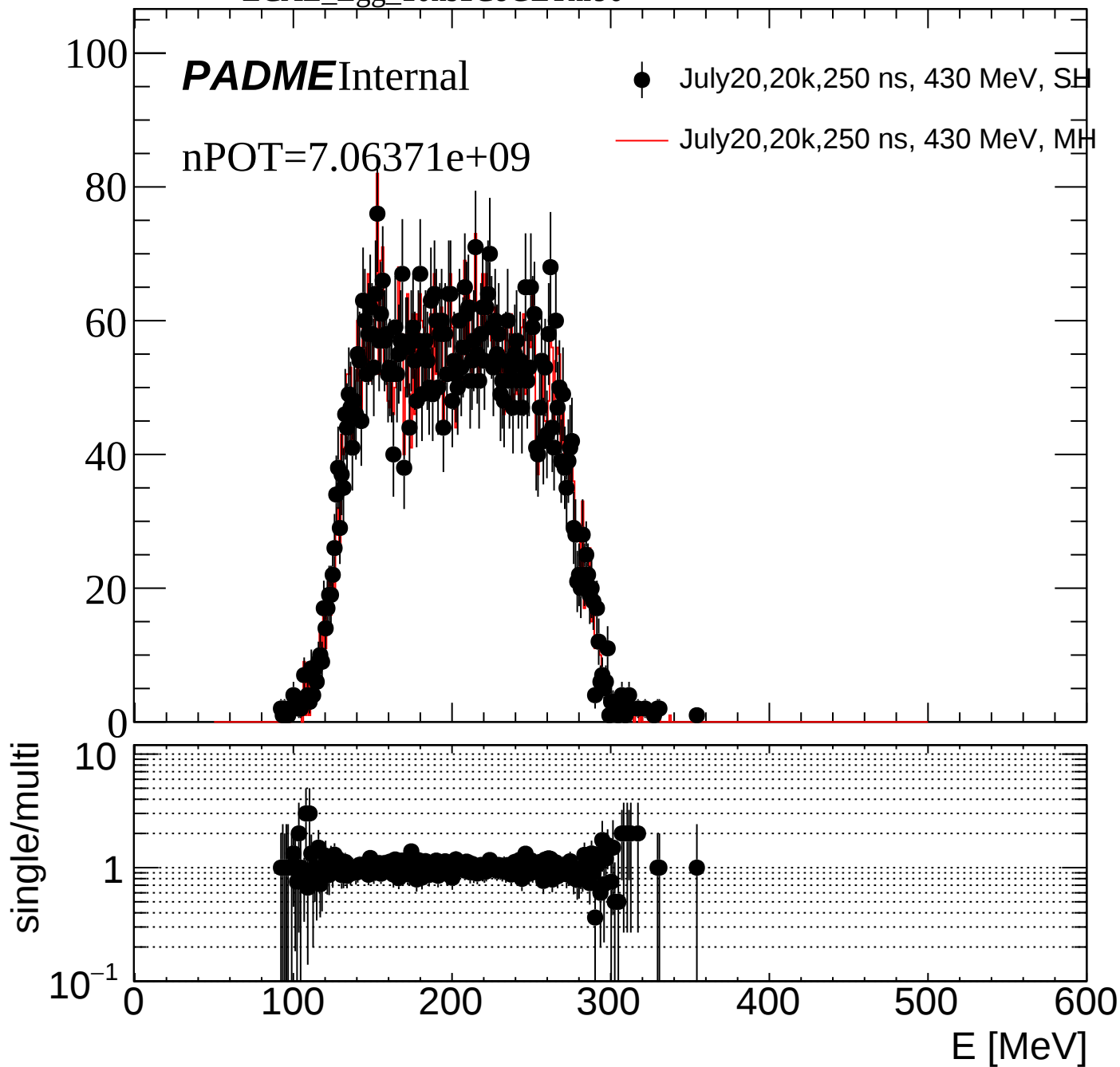
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH





ECAL_Egg_10ns1CoG20Degree

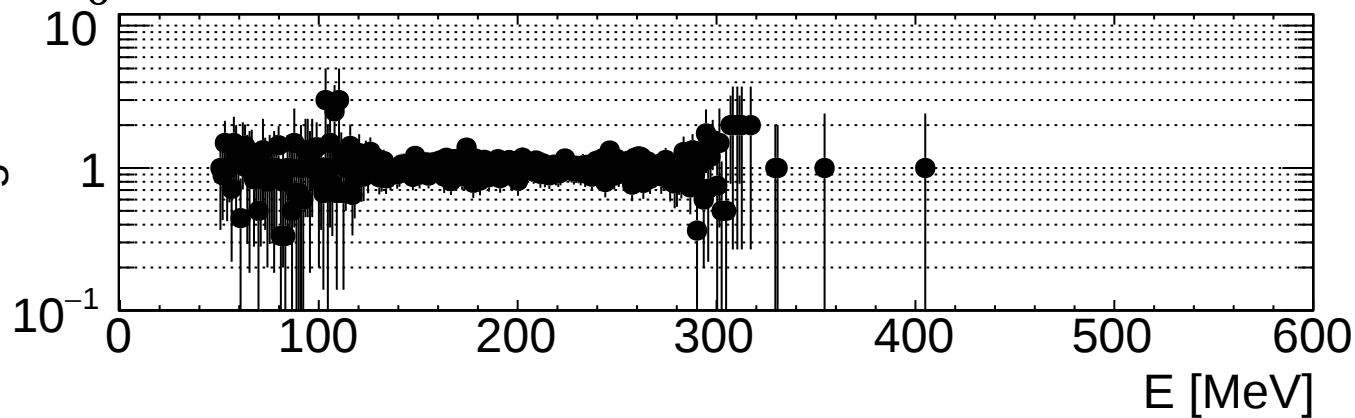
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



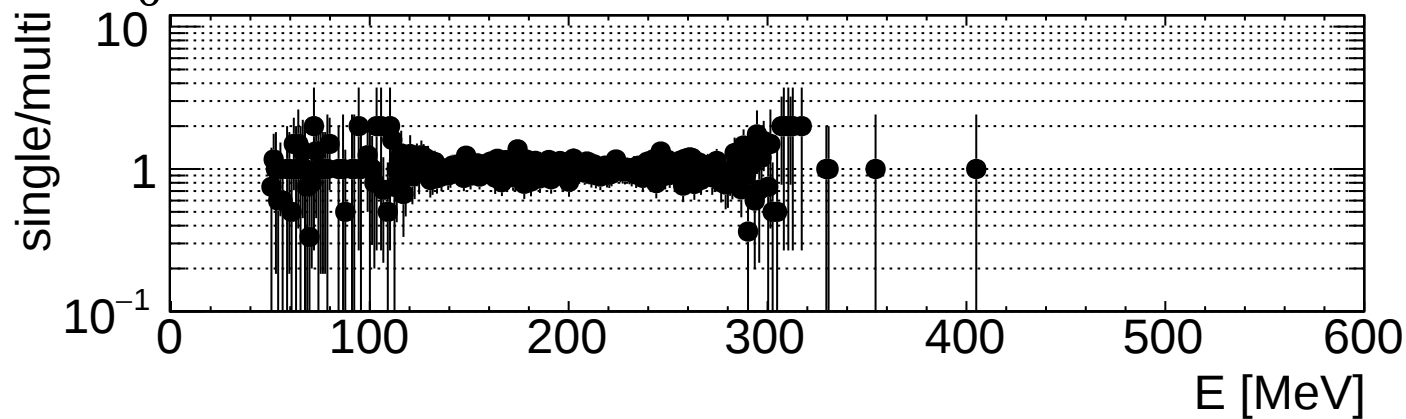
ECAL_Egg_10ns1CoG20DegreeDeltaTheta

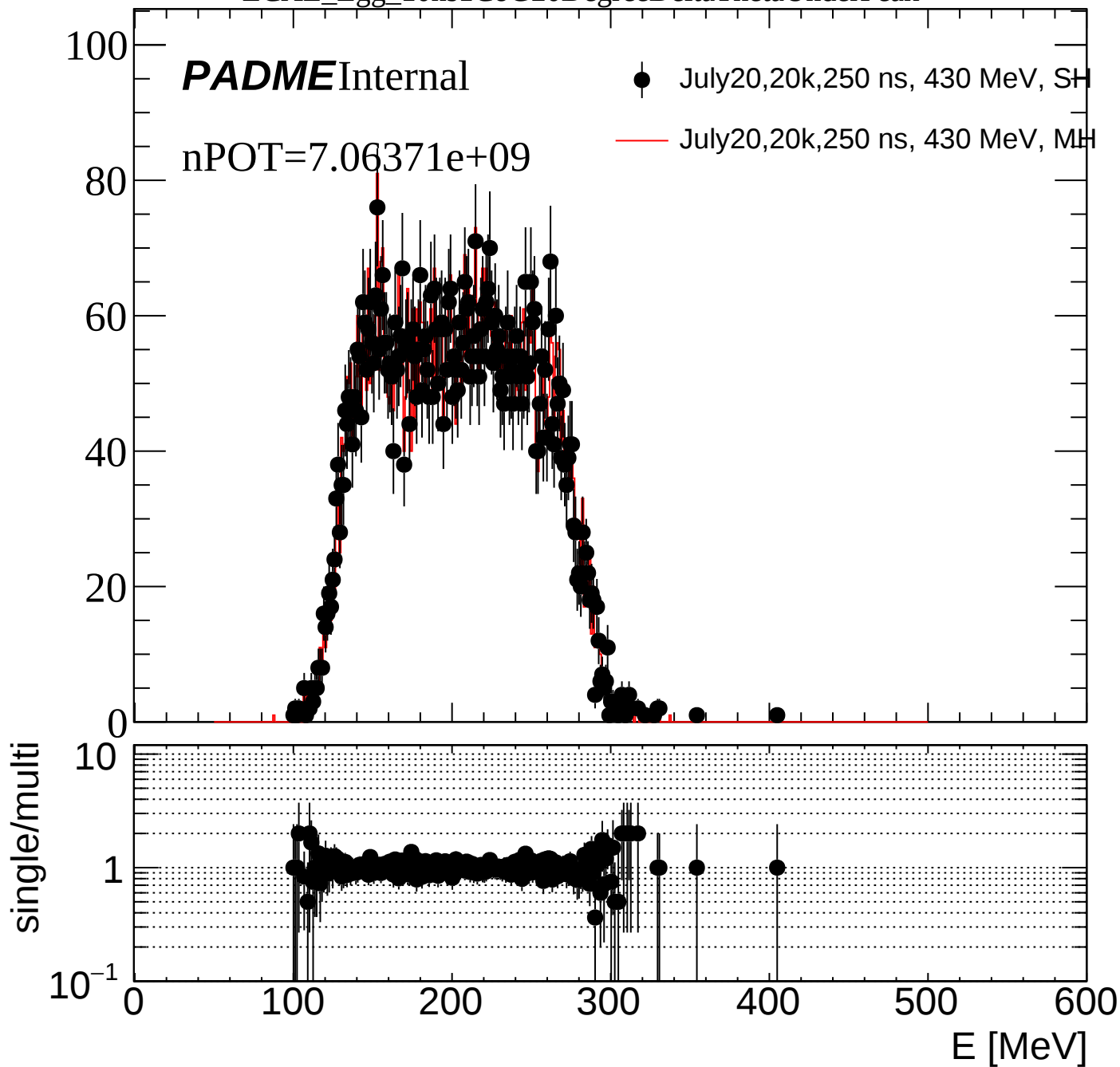
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH





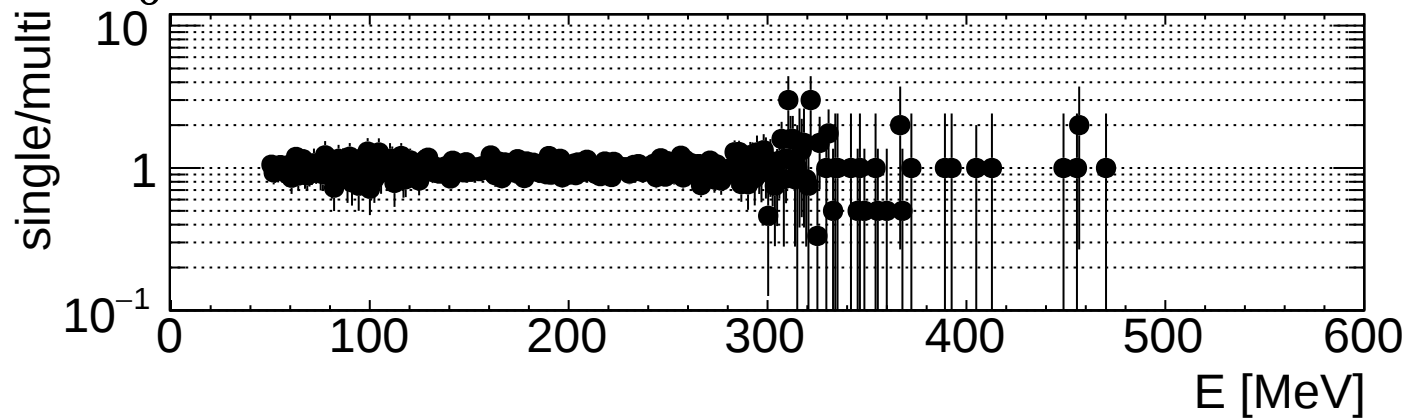
ECAL_Egg_10ns3CoG

PADMEInternal

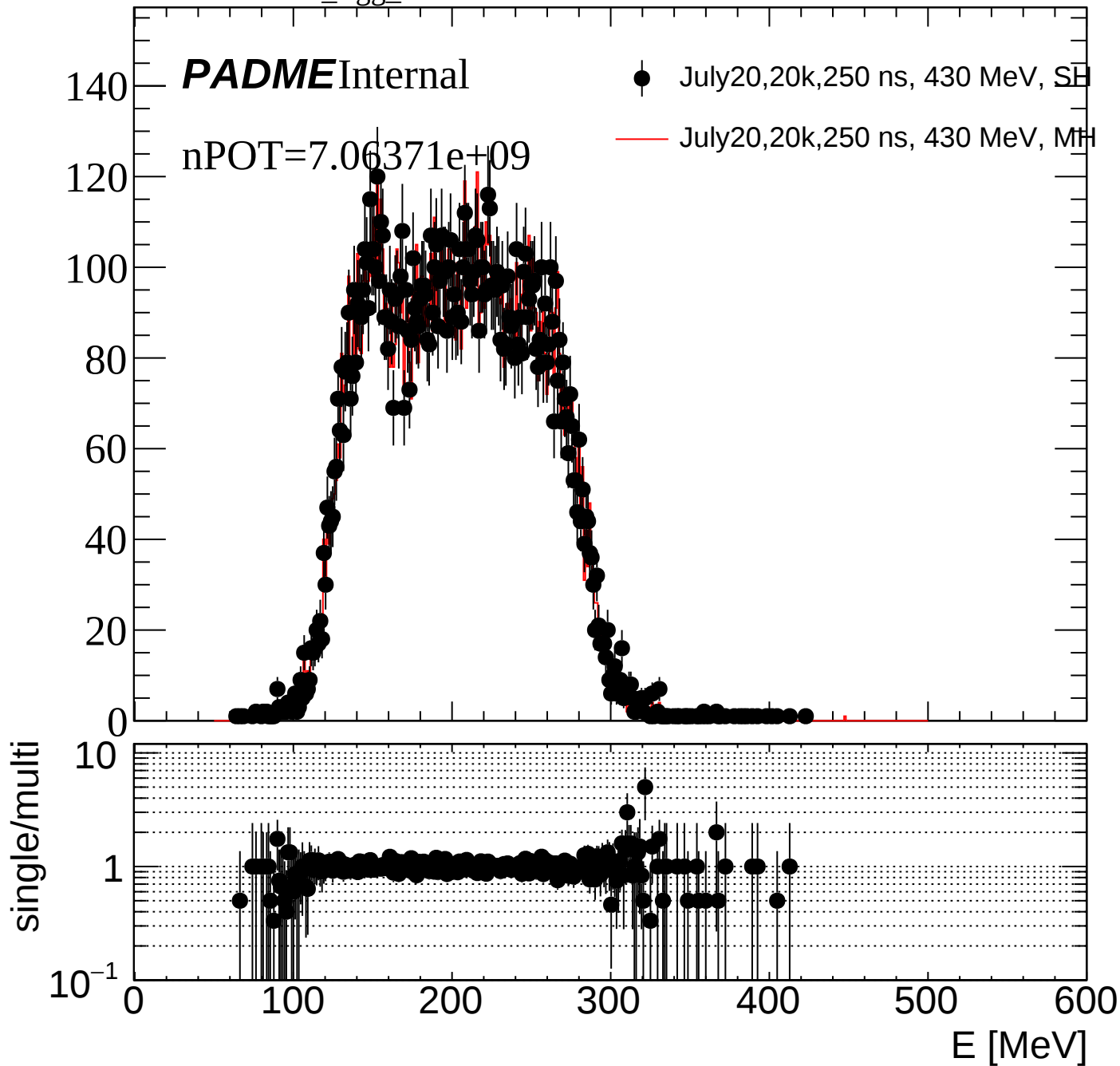
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

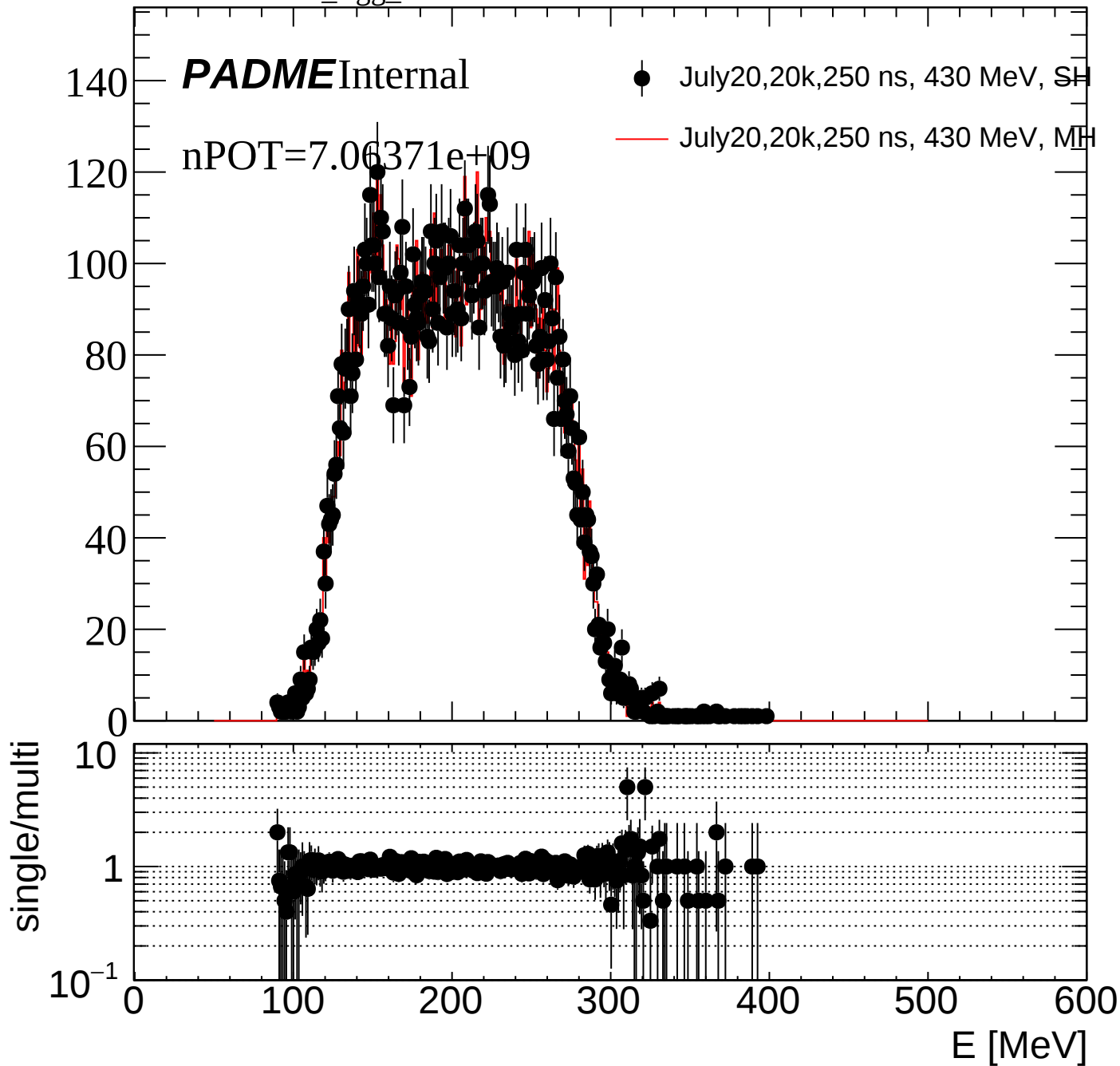
— July20,20k,250 ns, 430 MeV, MH



ECAL_Egg_10ns3CoGUnderPeak



ECAL_Egg_10ns3CoGUnderPeakEThr90

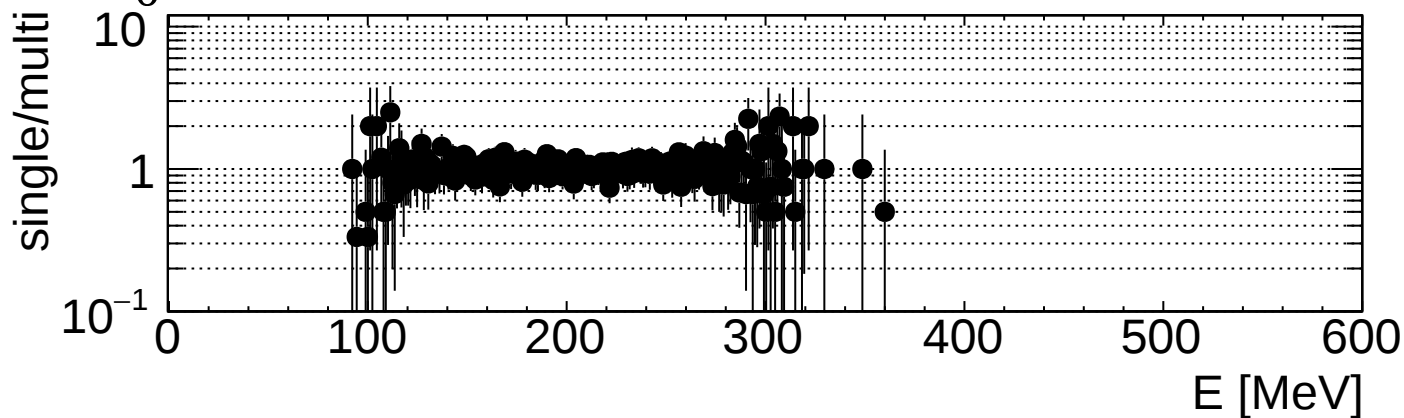


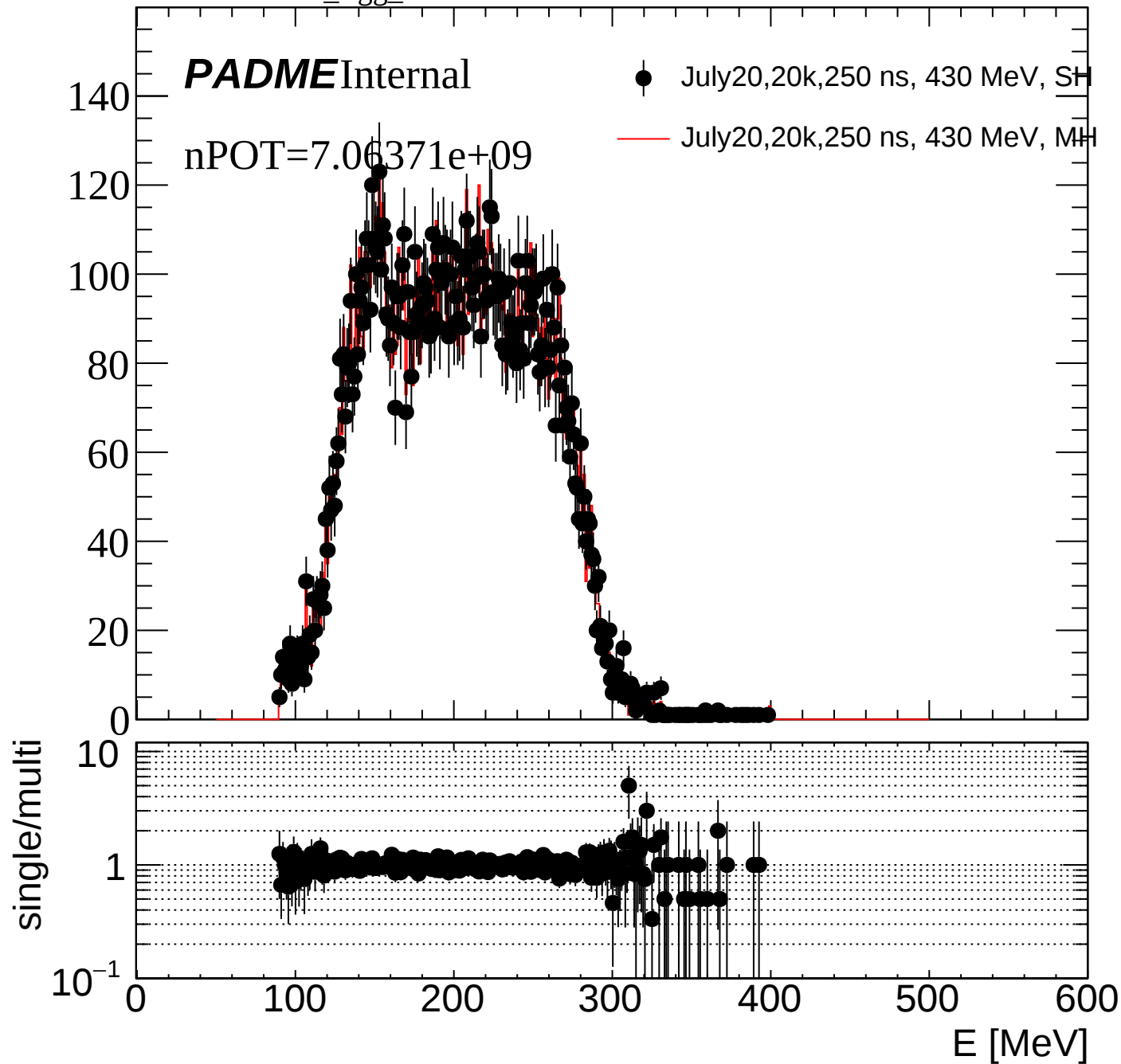
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH





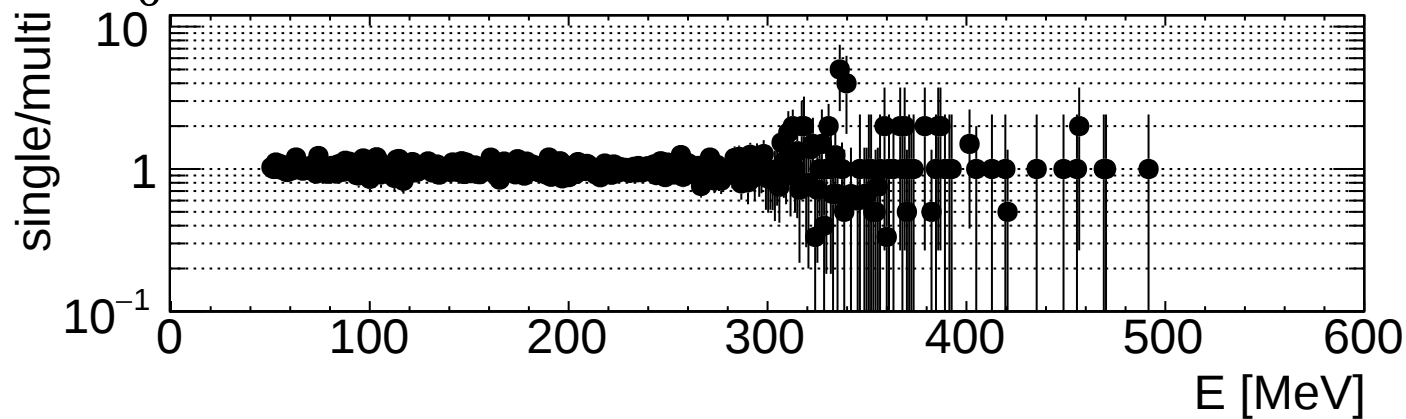
ECAL_Egg_10ns5CoG

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



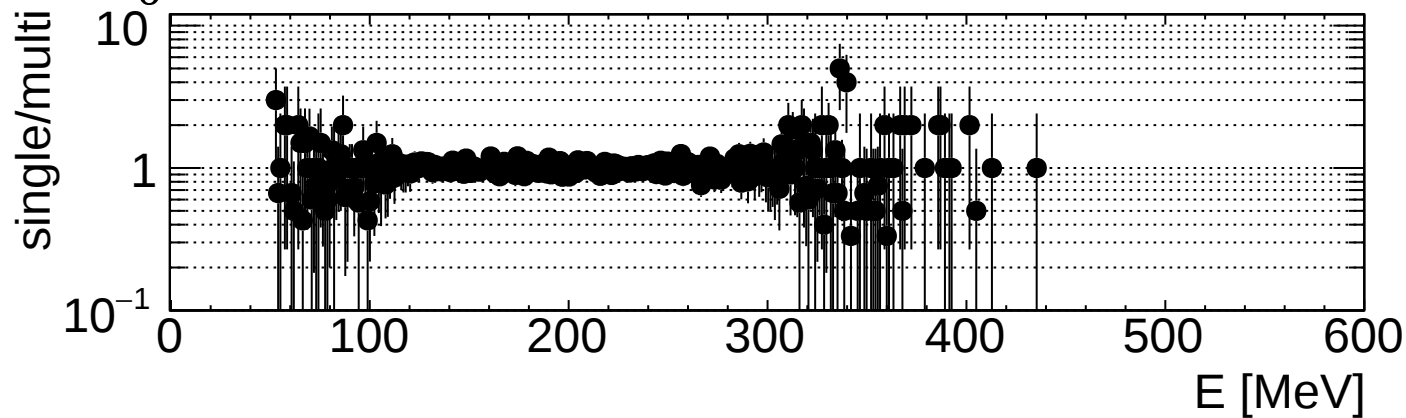
ECAL_Egg_10ns5CoGUnderPeak

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



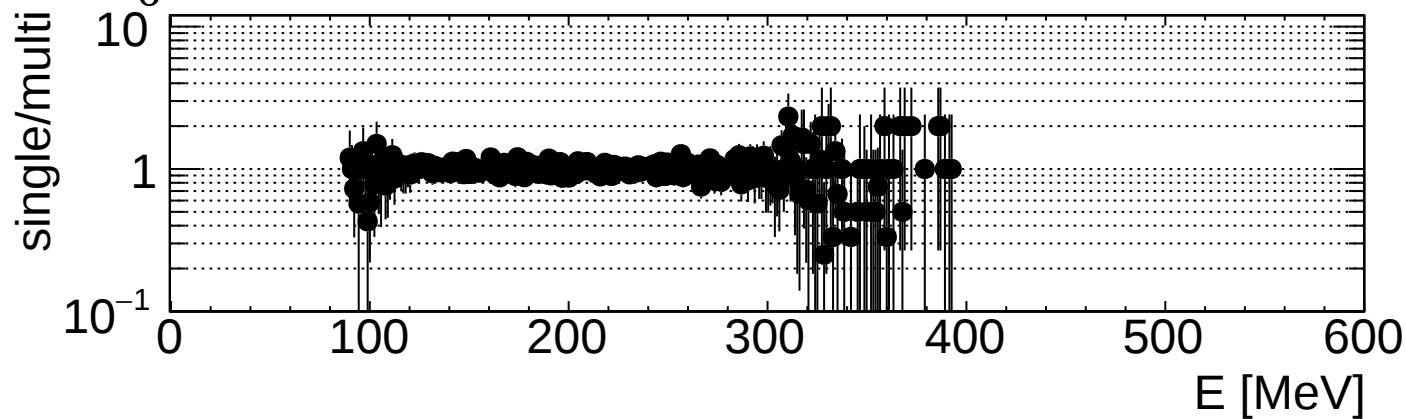
ECAL_Egg_10ns5CoGUnderPeakEThr90

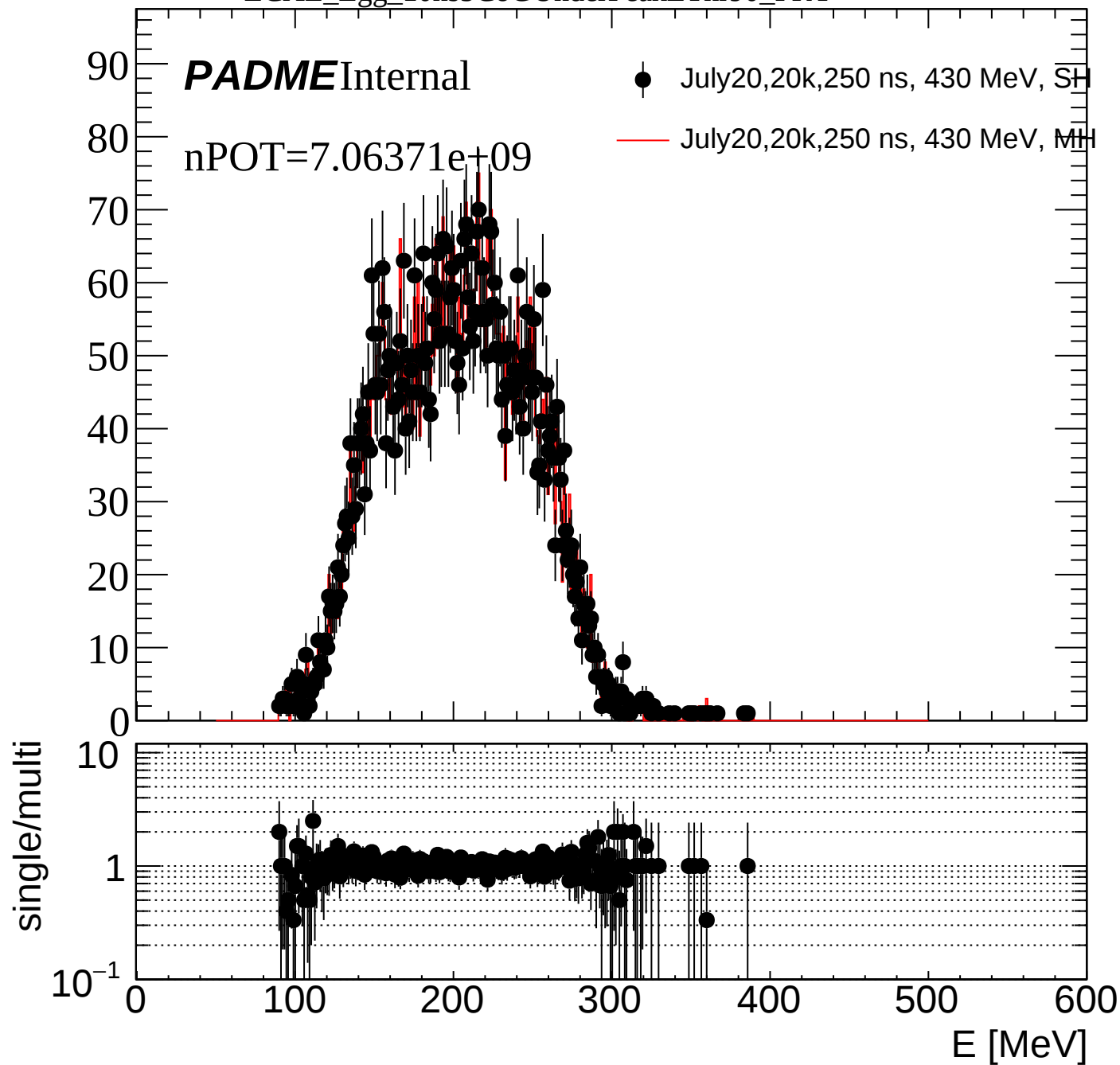
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH





ECAL_Egg_10ns5CoGEThr90

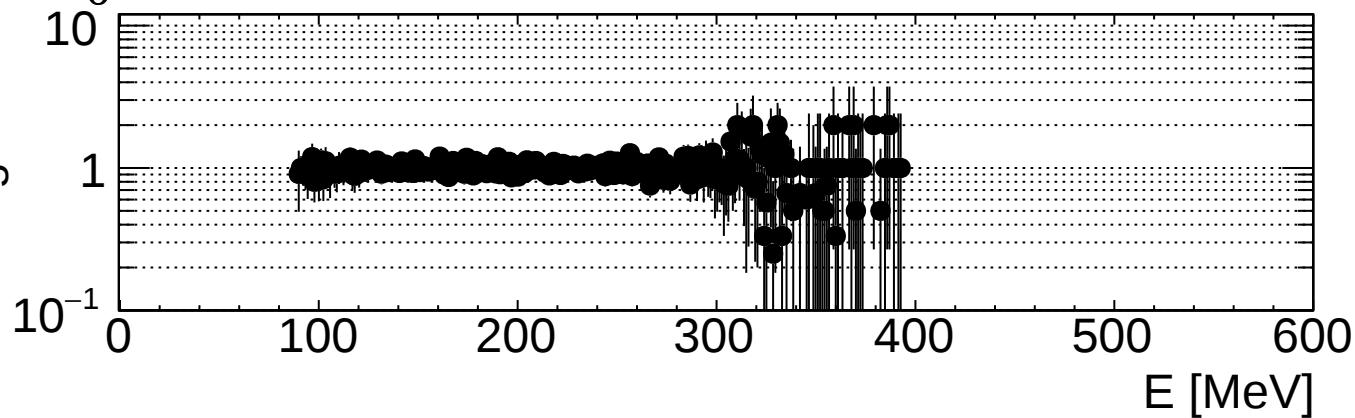
PADMEInternal

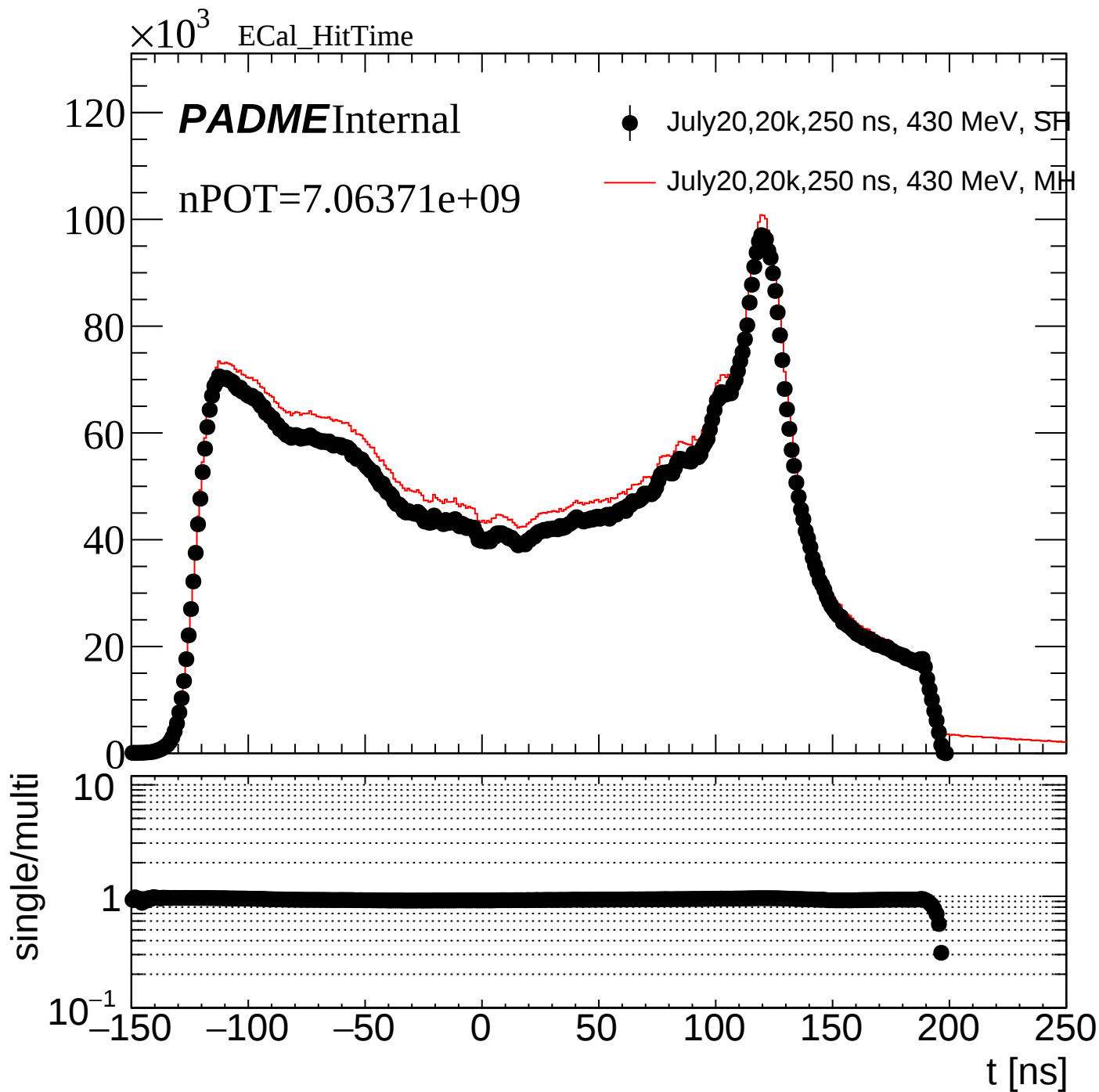
nPOT=7.06371e+09

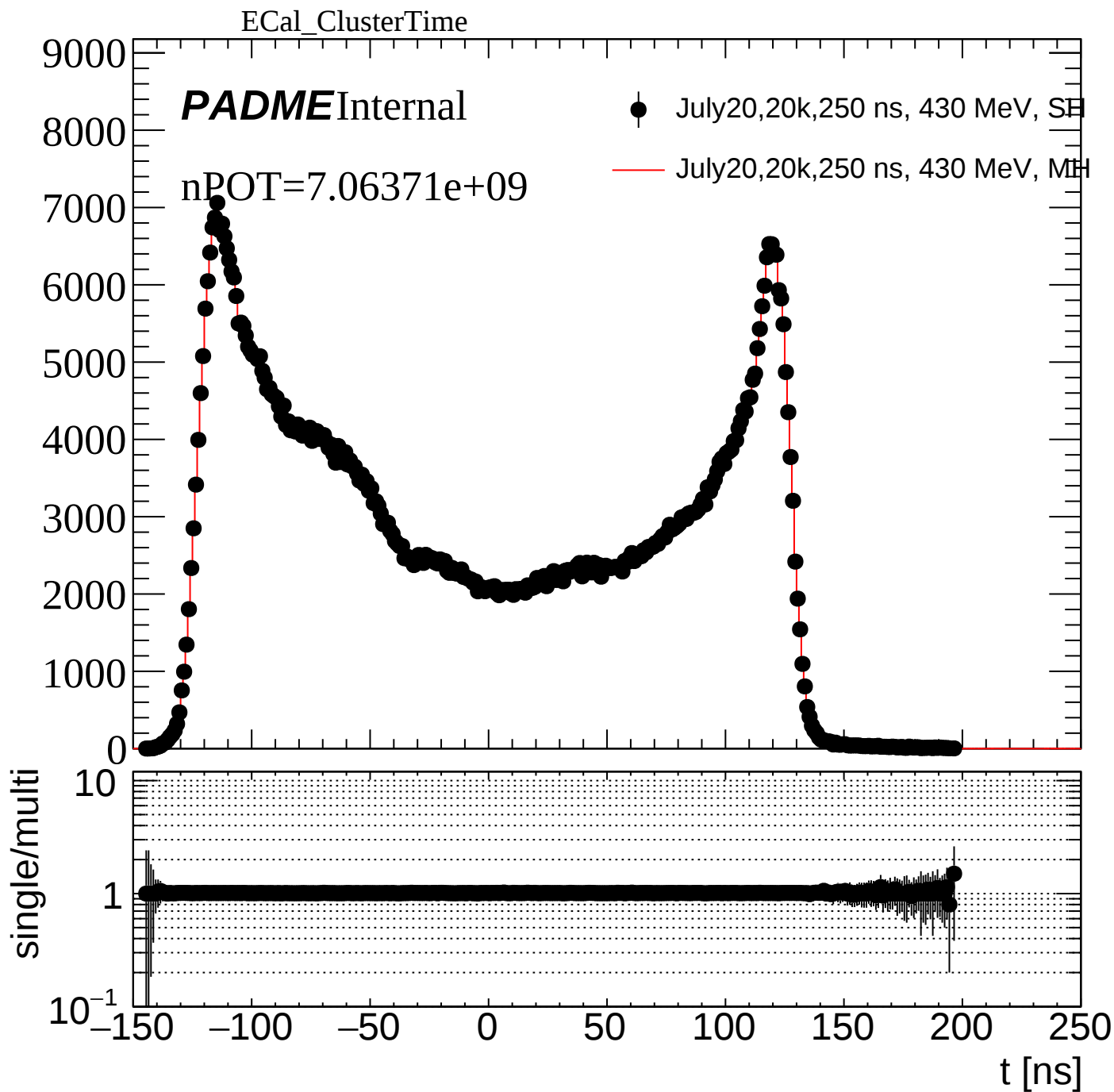
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi







ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90

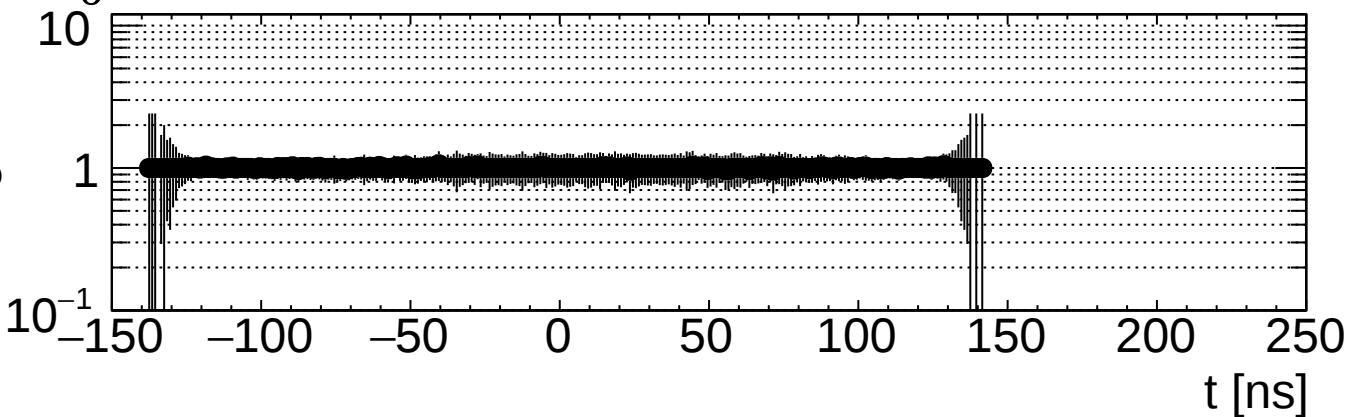
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90

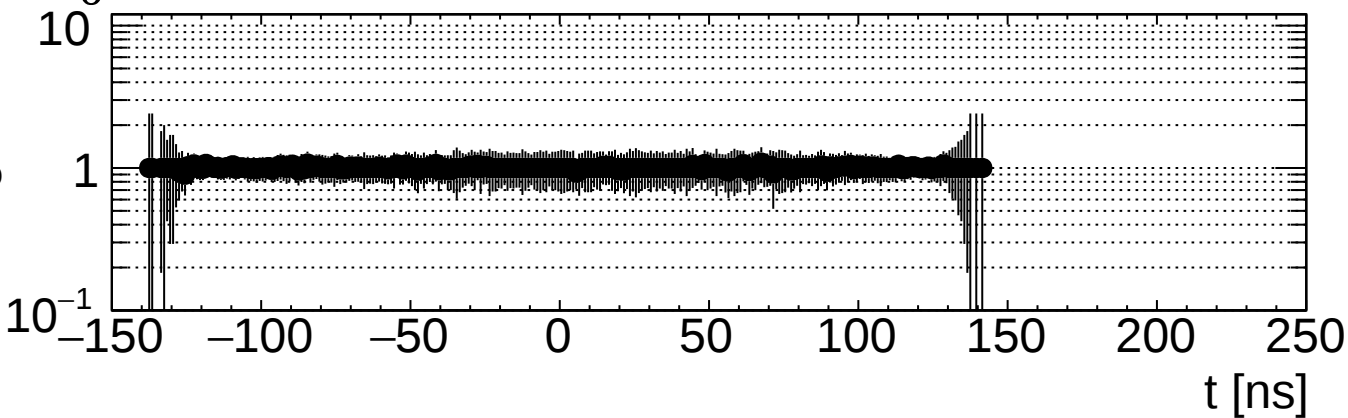
PADMEInternal

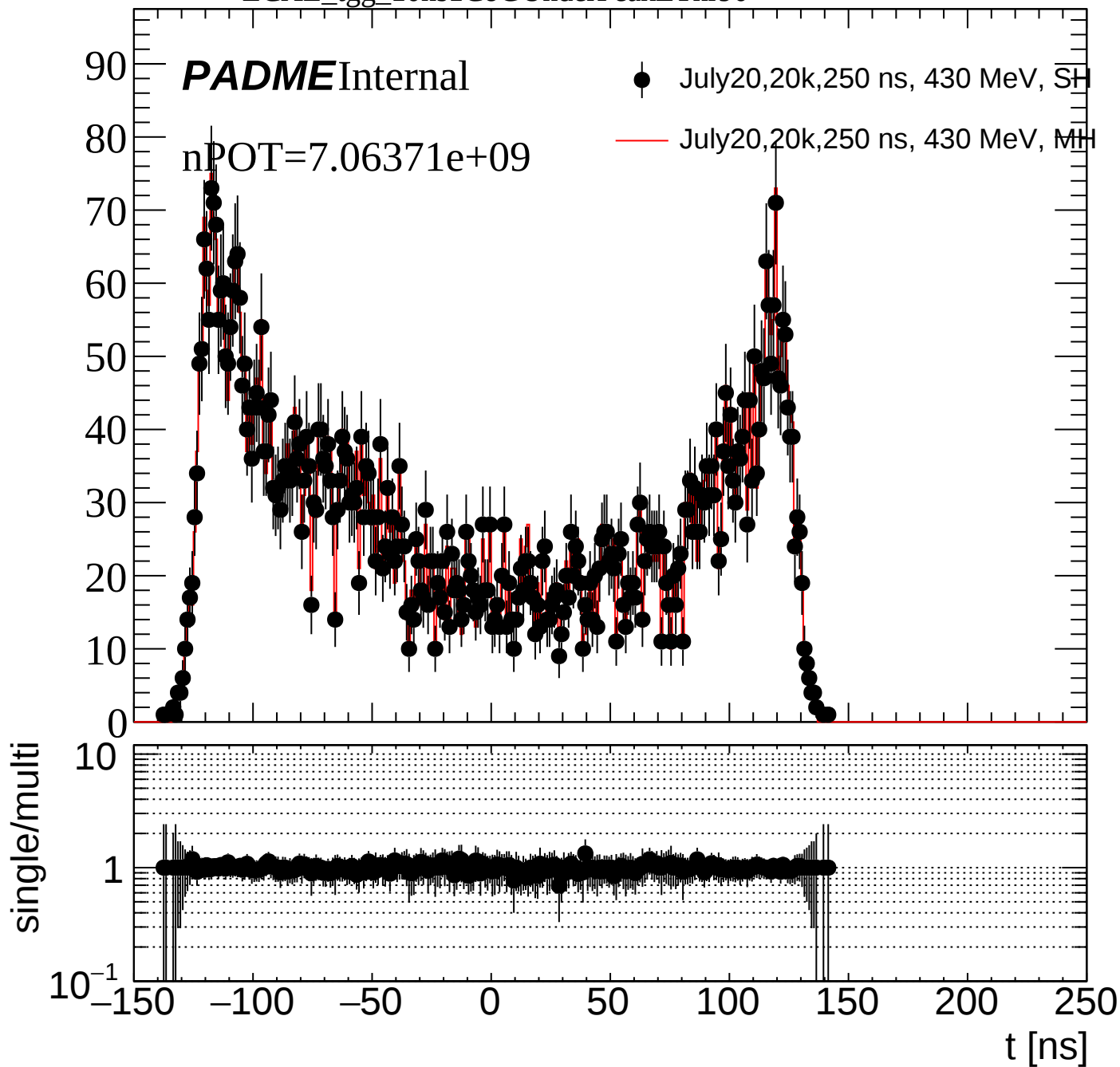
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

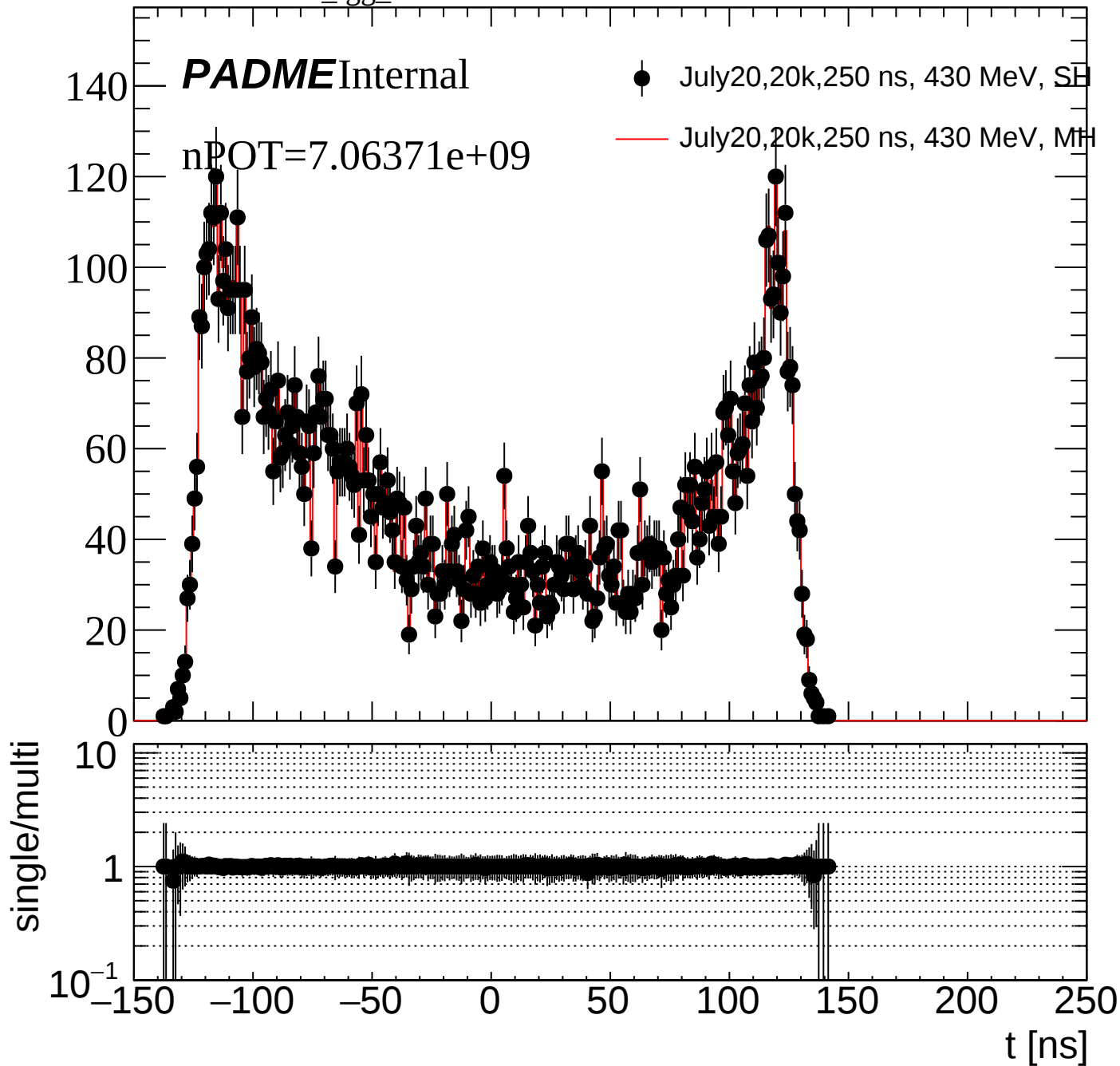
— July20,20k,250 ns, 430 MeV, MH

single/multi

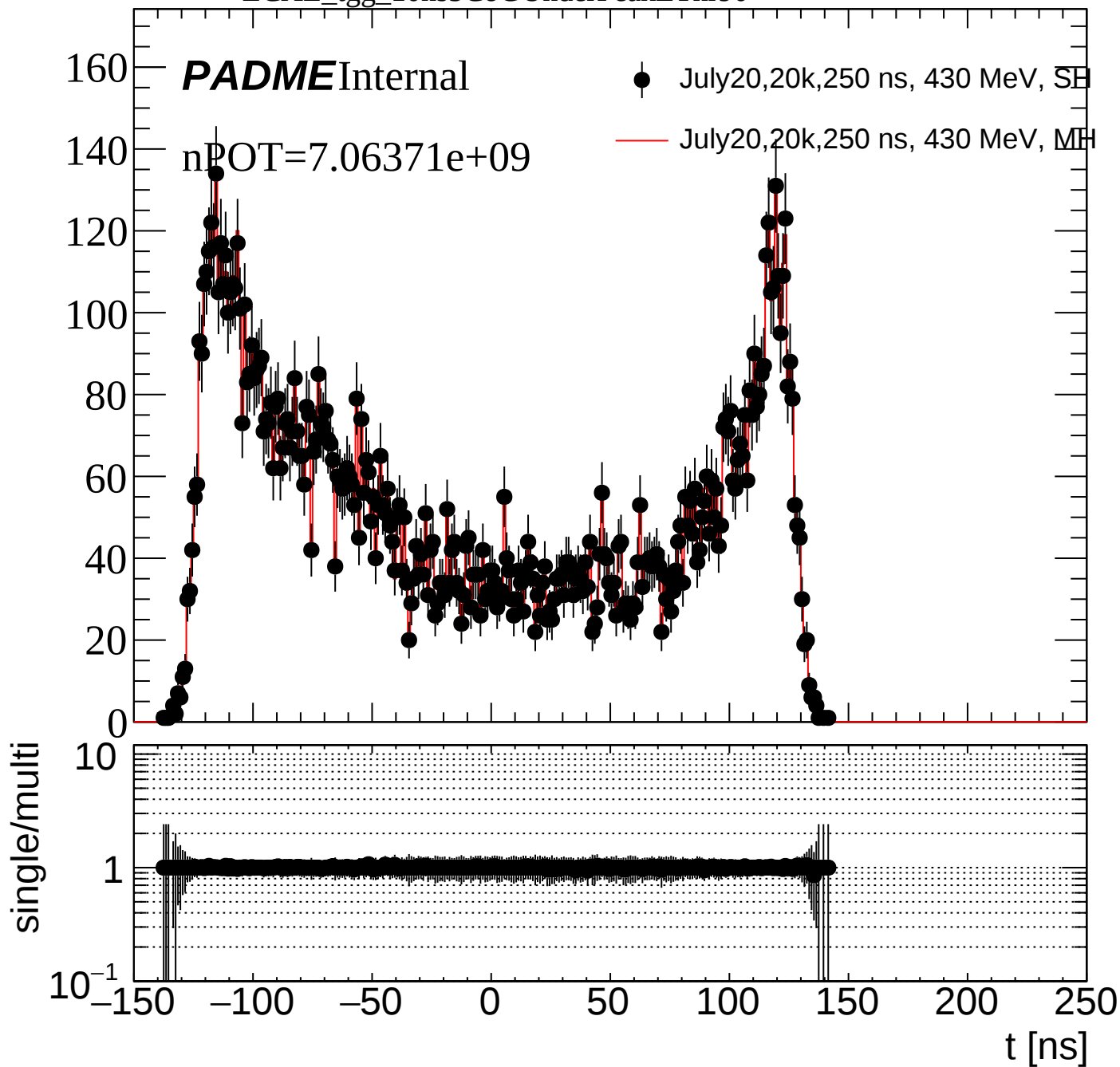




ECAL_tgg_10ns3CoGUnderPeakEThr90



ECAL_tgg_10ns5CoGUnderPeakEThr90



ECal_xCoG_10ns

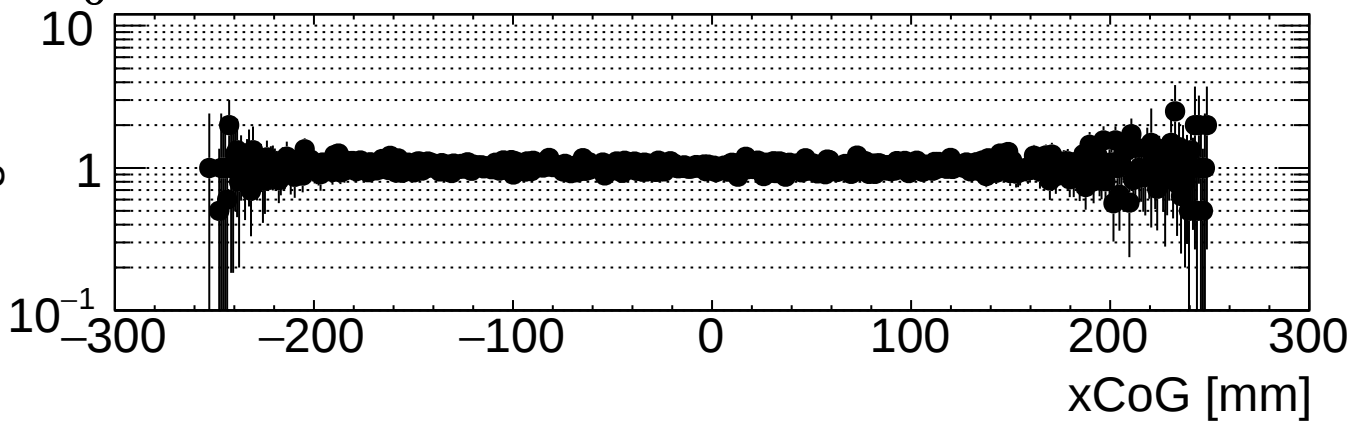
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



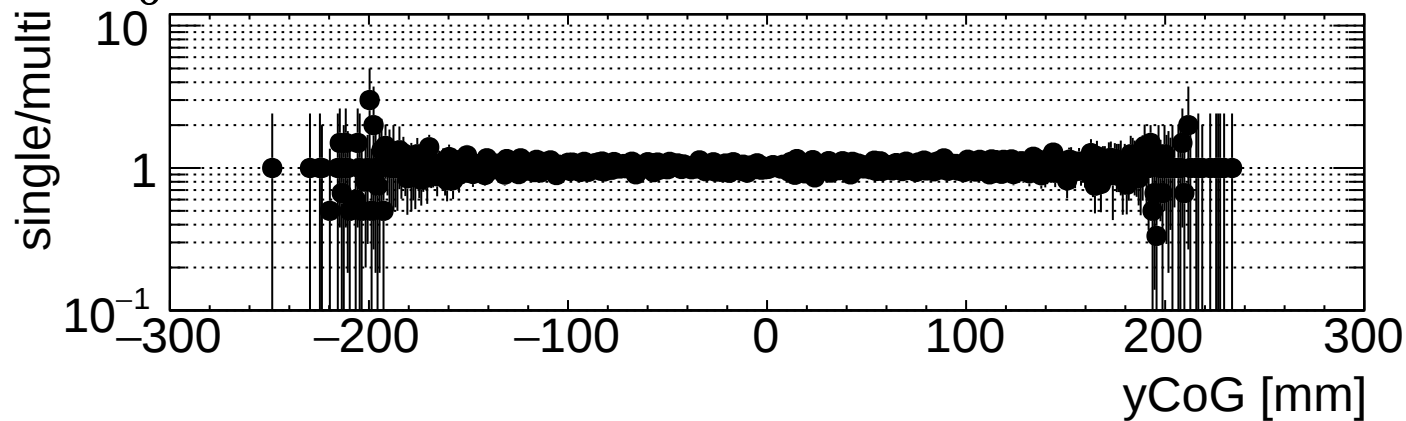
ECal_yCoG_10ns

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_xCoGgg_10ns5CoGUnderPeakEThr90

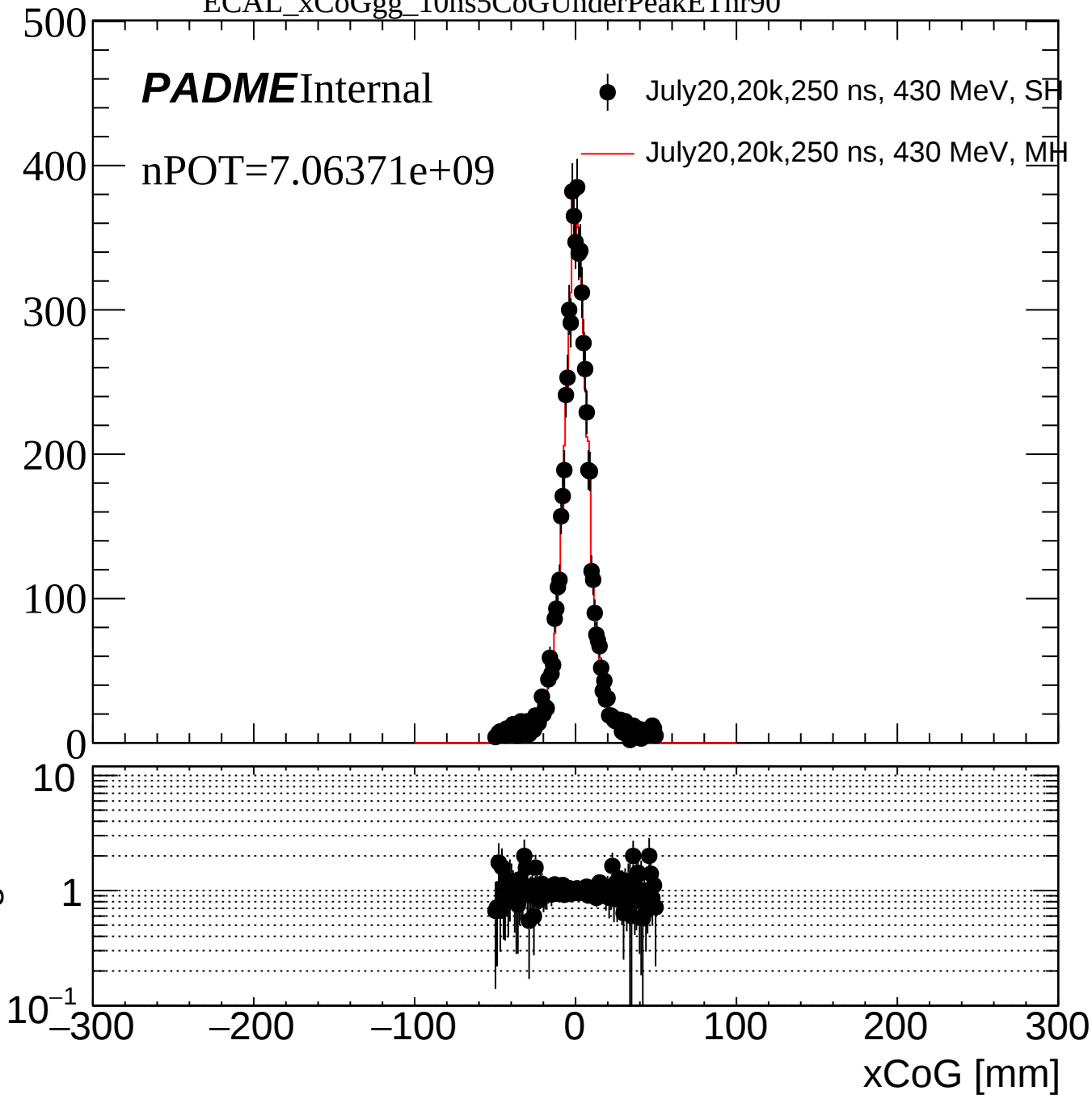
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_yCoGgg_10ns5CoGUnderPeakEThr90

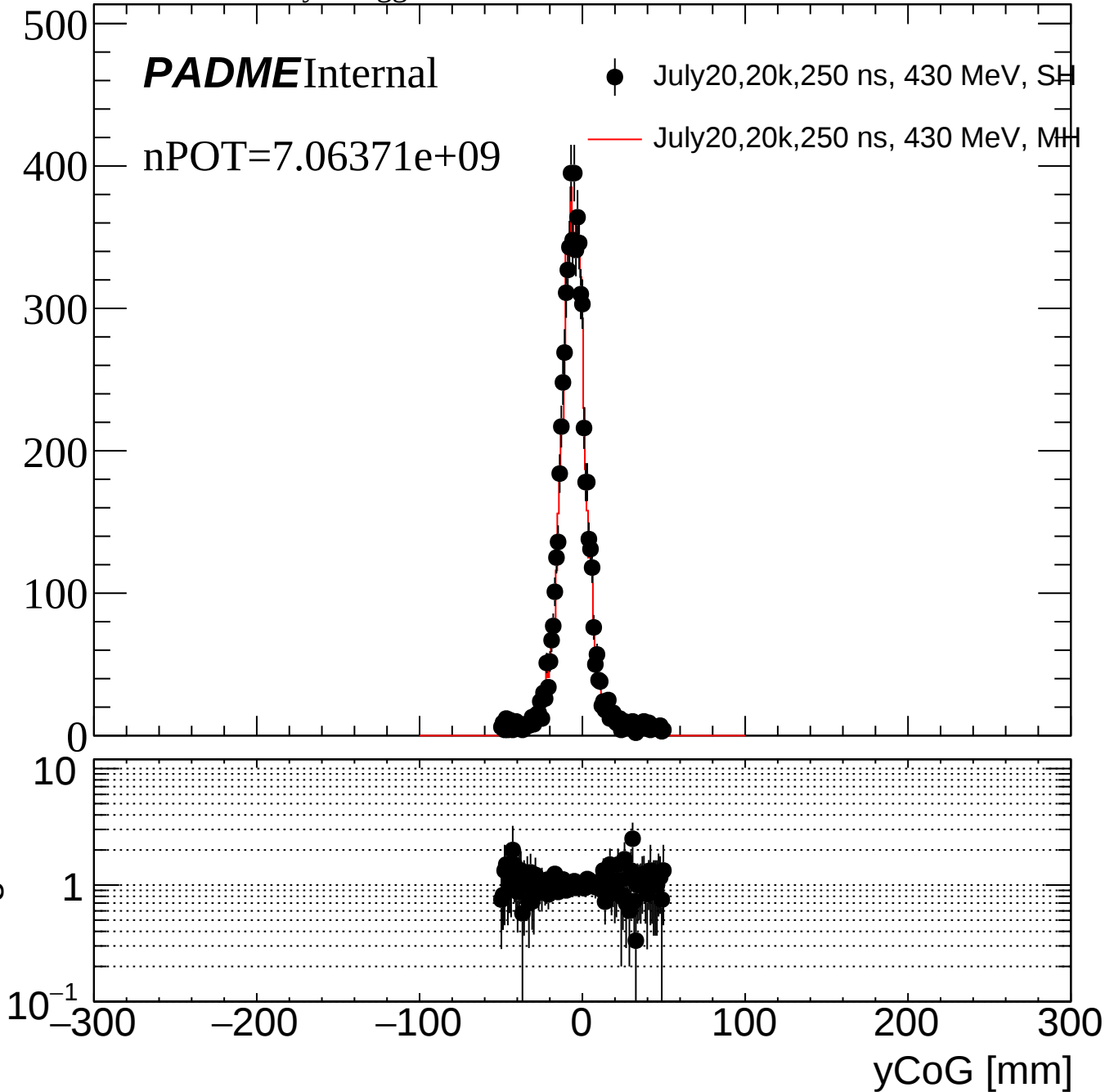
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



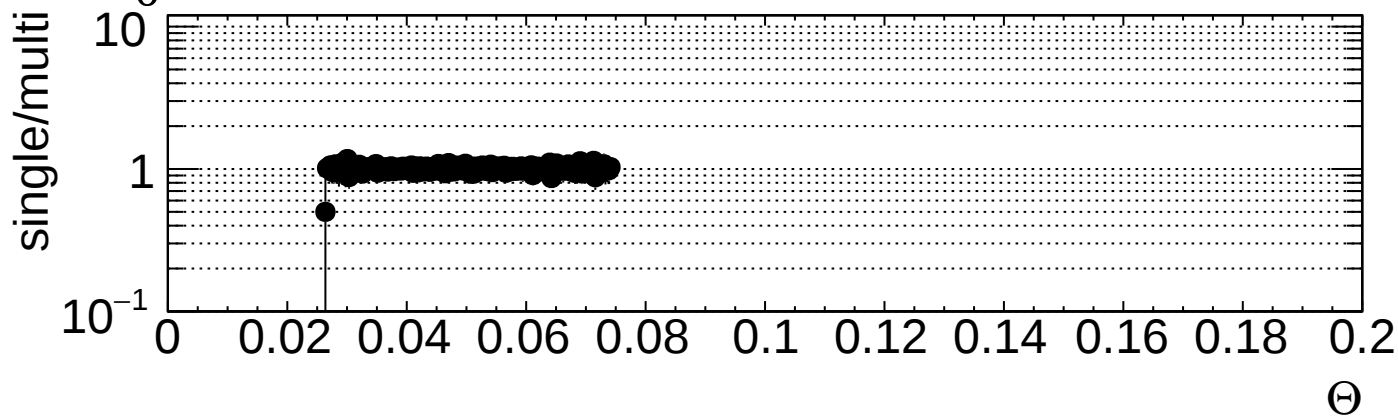
ECAL_Theta_10nsUnderPeakEThr90

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_ThetaG1_10nsUnderPeakEThr90

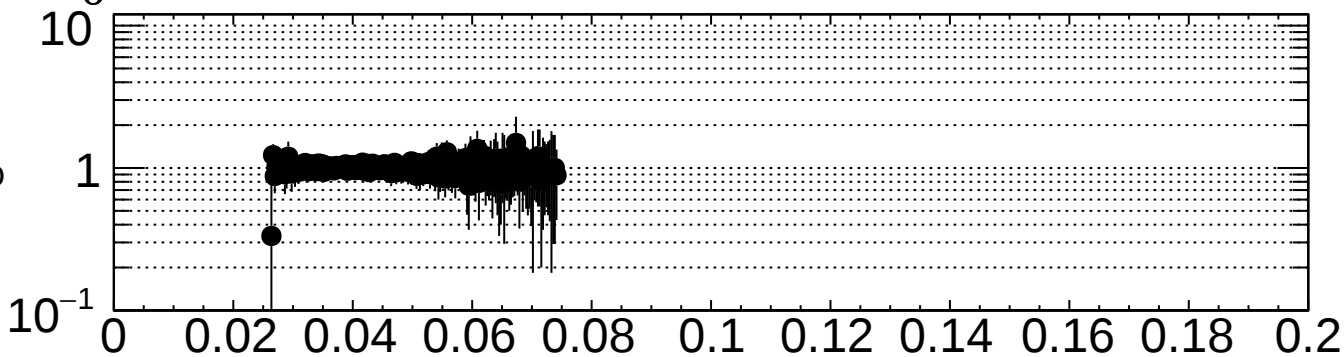
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



Θ

ECAL_ThetaG2_10nsUnderPeakEThr90

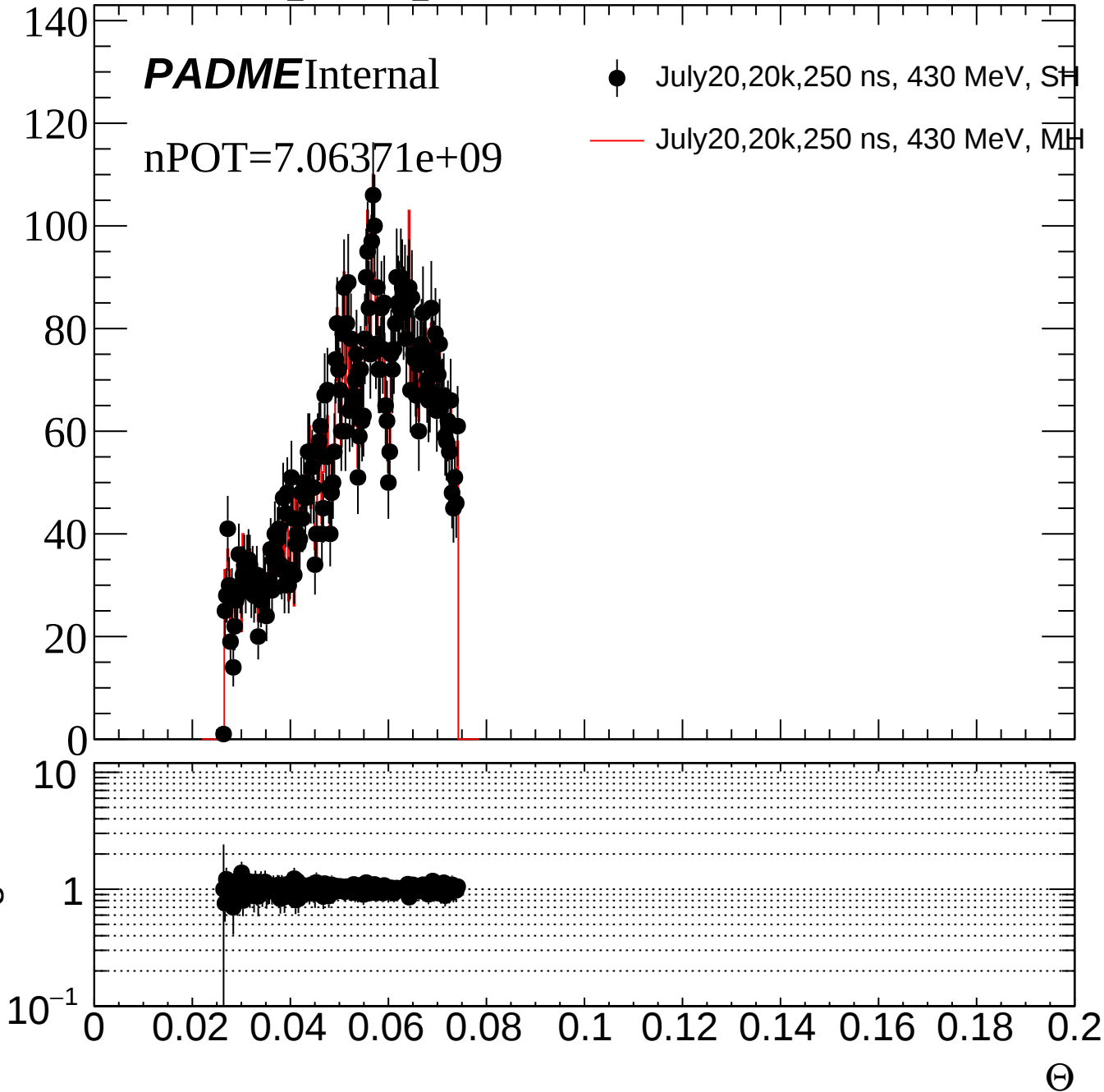
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_DeltaTheta_10ns

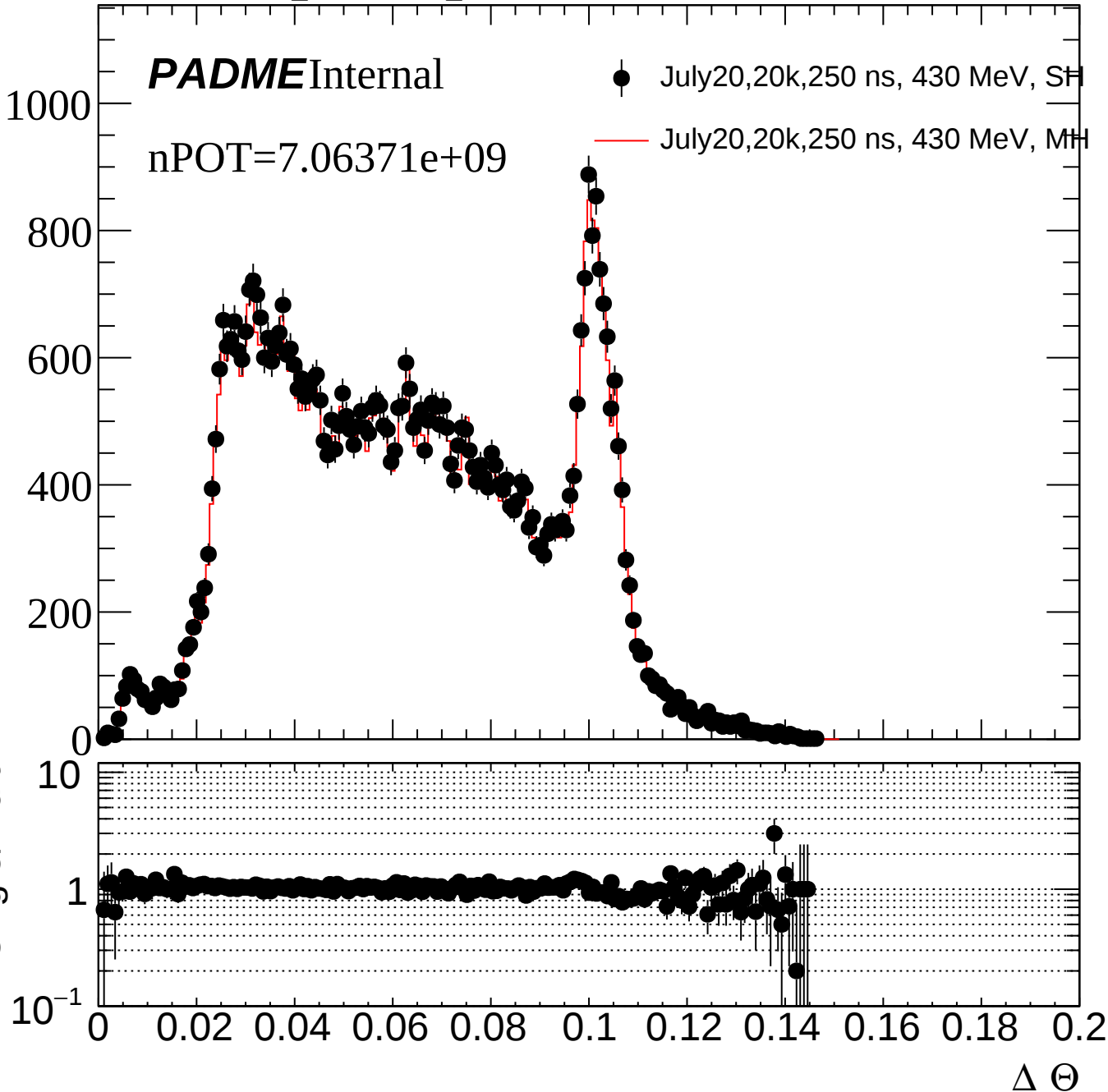
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_DeltaTheta_10nsDeltaPhi20

PADMEInternal

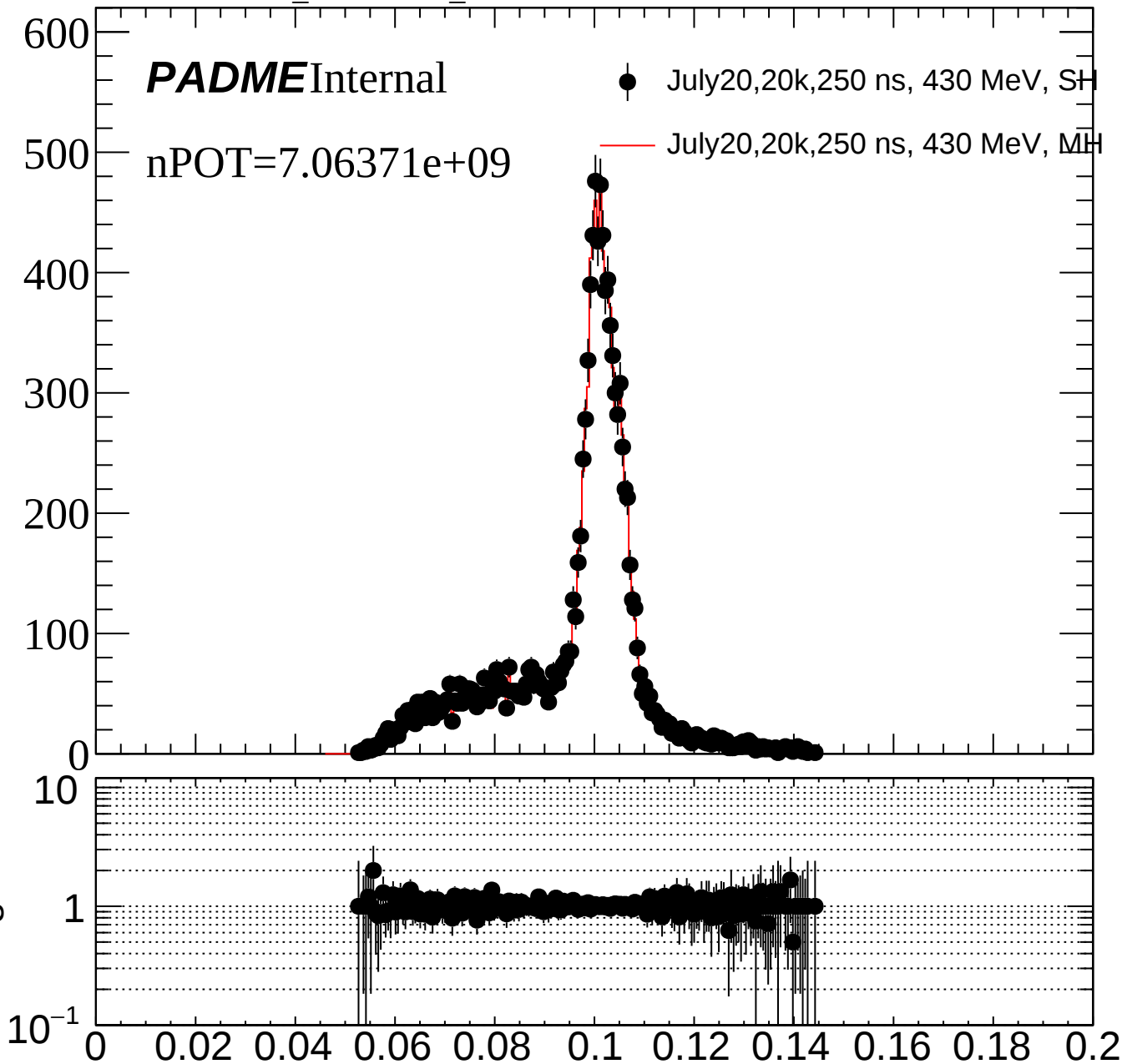
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

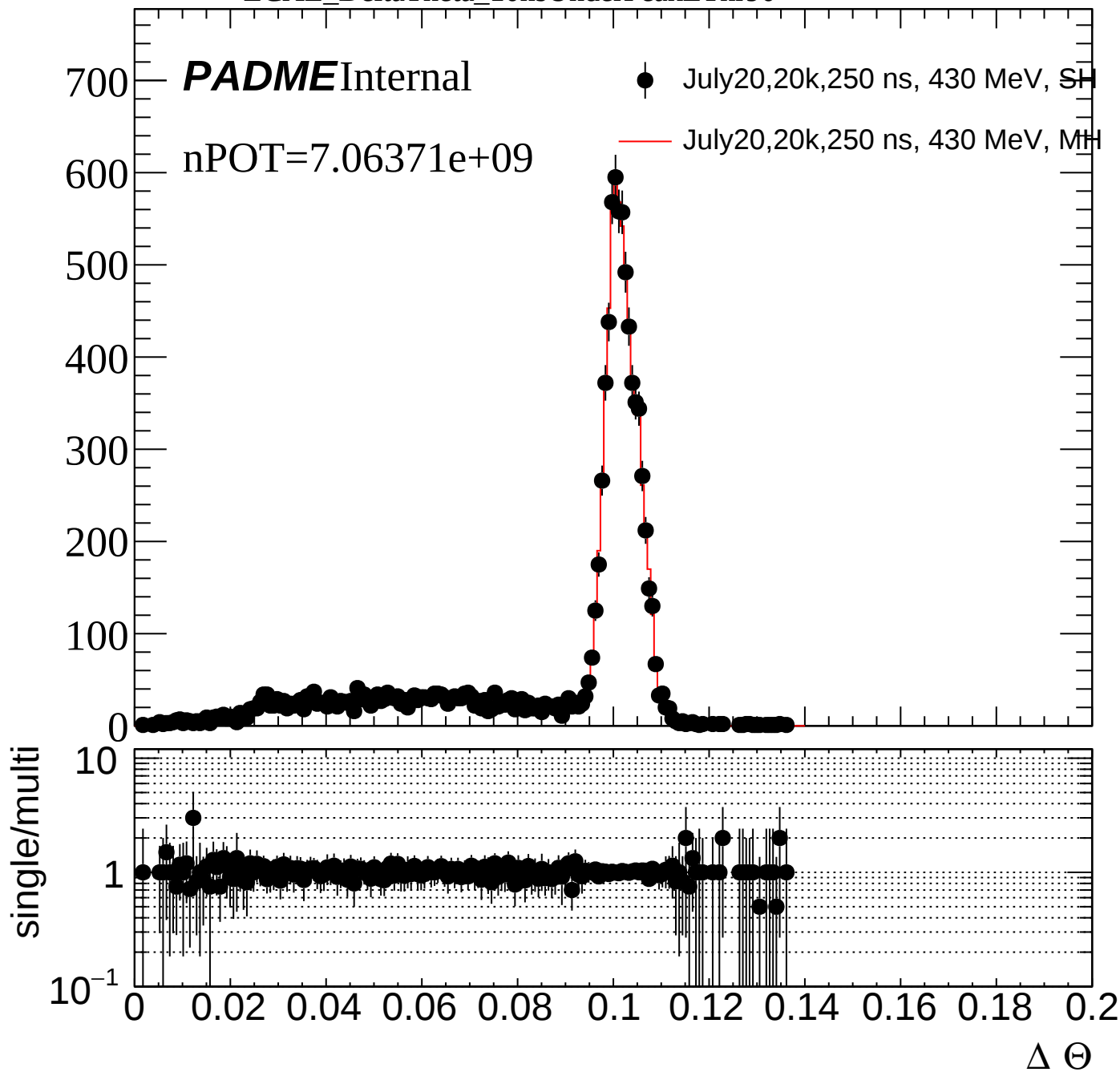
— July20,20k,250 ns, 430 MeV, MH

single/multi

$\Delta \Theta$



ECAL_DeltaTheta_10nsUnderPeakEThr90



ECAL_Phi_10ns

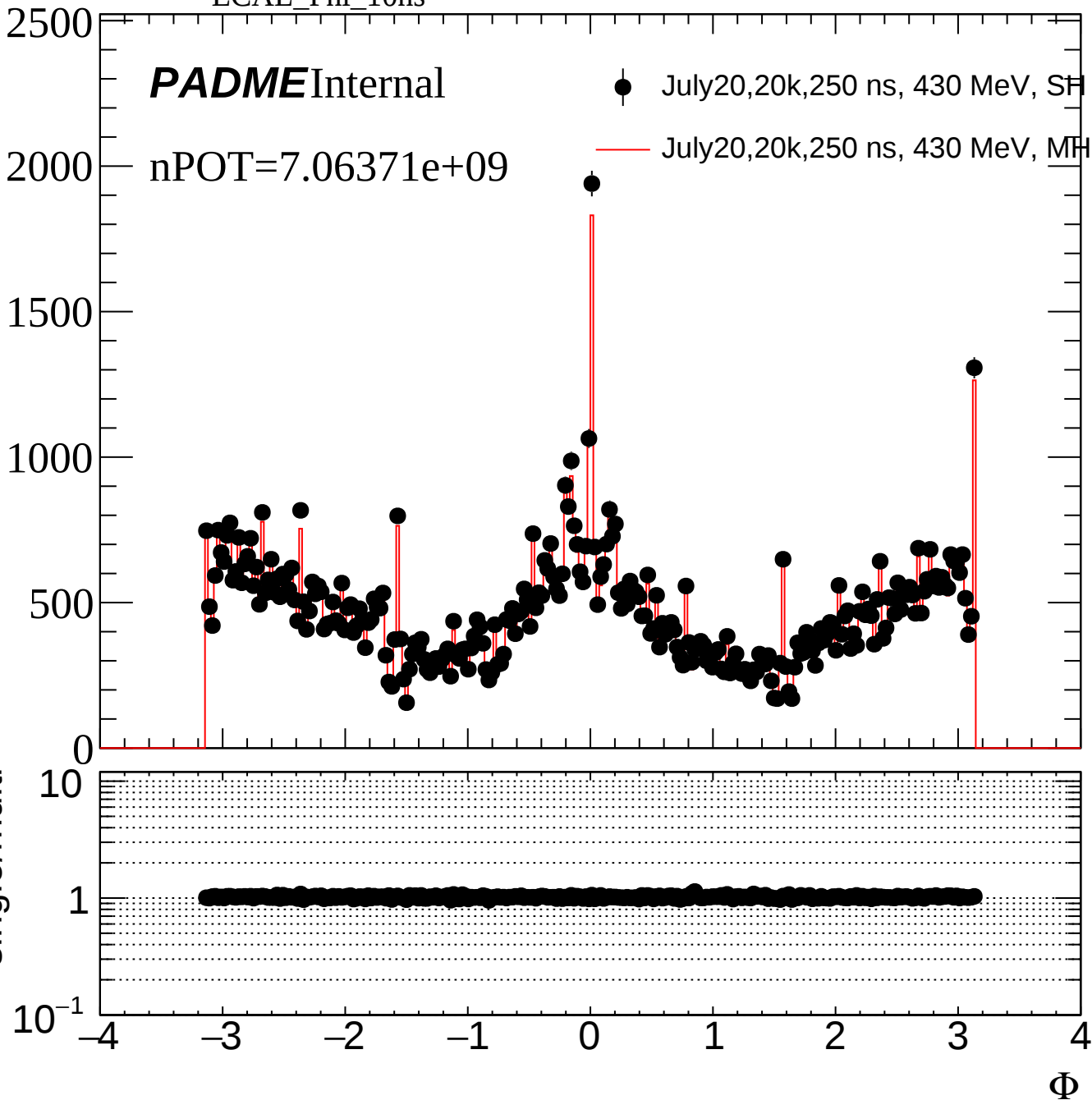
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Phi_10nsUnderPeakEThr90

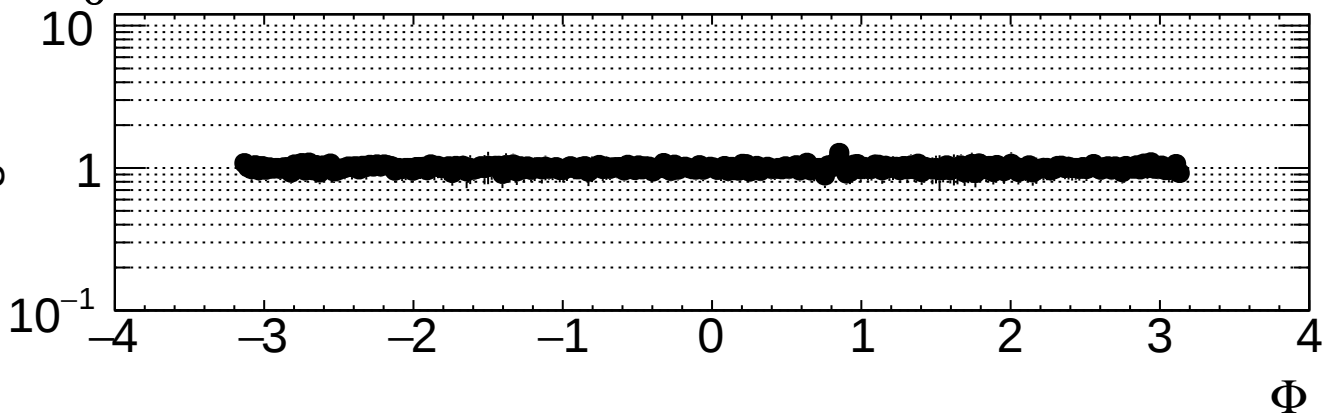
PADMEInternal

nPOT=7.06371e+09

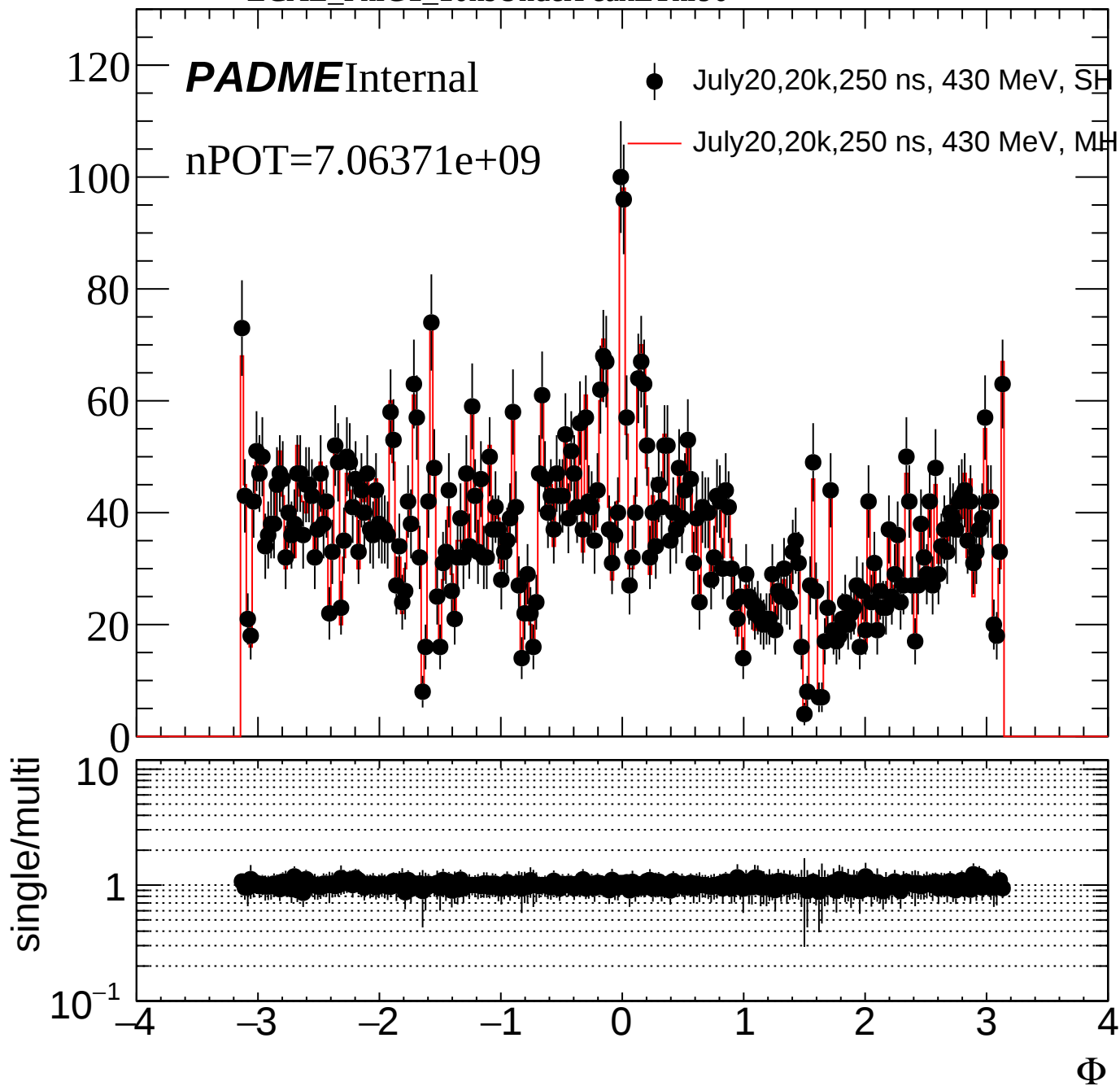
● July20,20k,250 ns, 430 MeV, SP

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_PhiG1_10nsUnderPeakEThr90



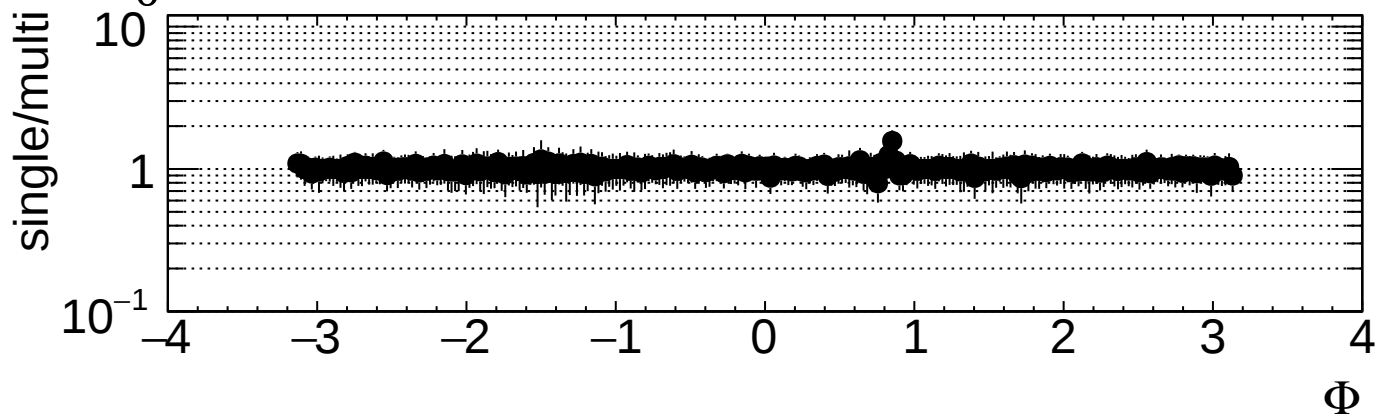
ECAL_PhiG2_10nsUnderPeakEThr90

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



ECAL_Phi_10nsDeltaTheta

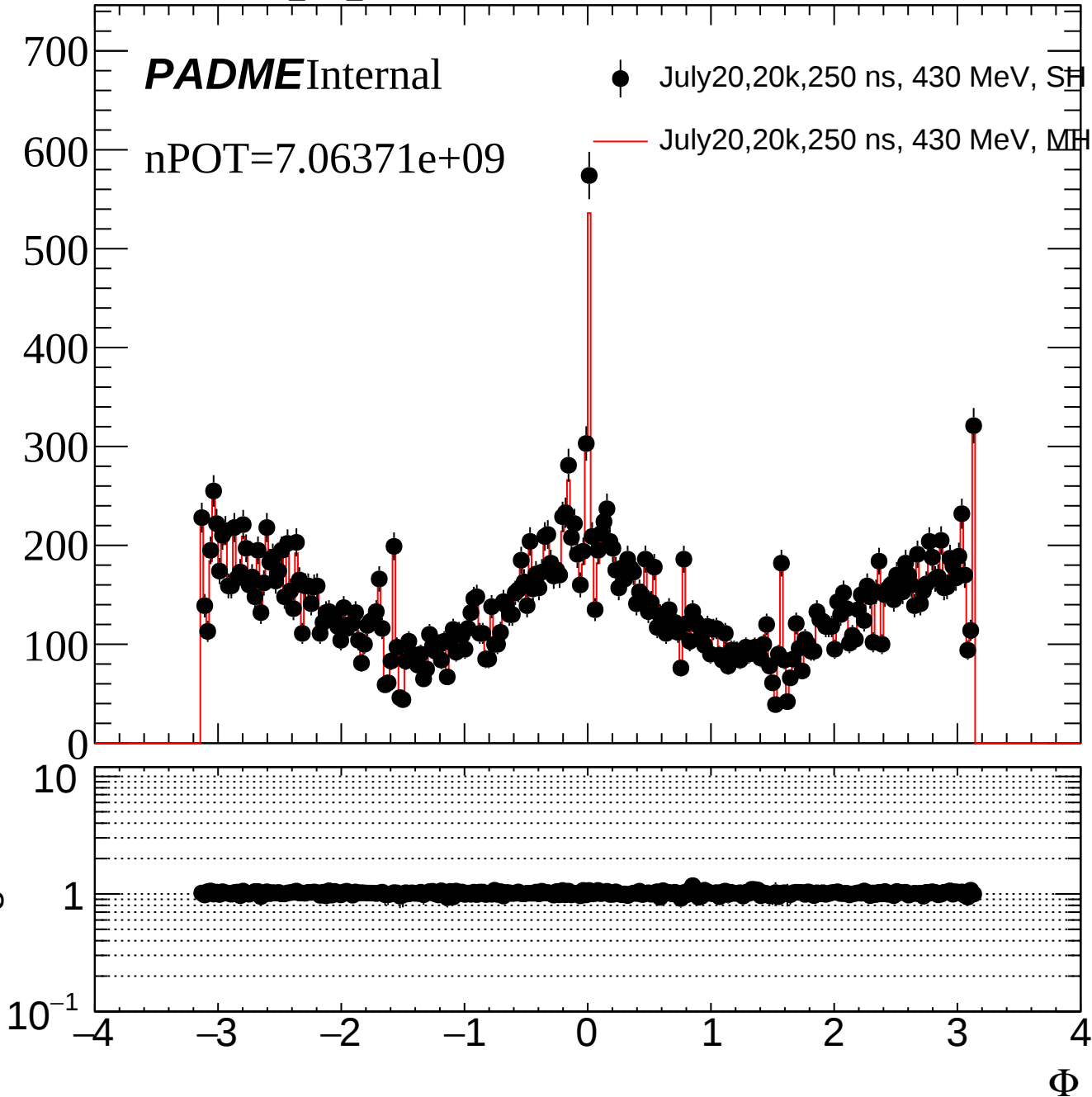
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90

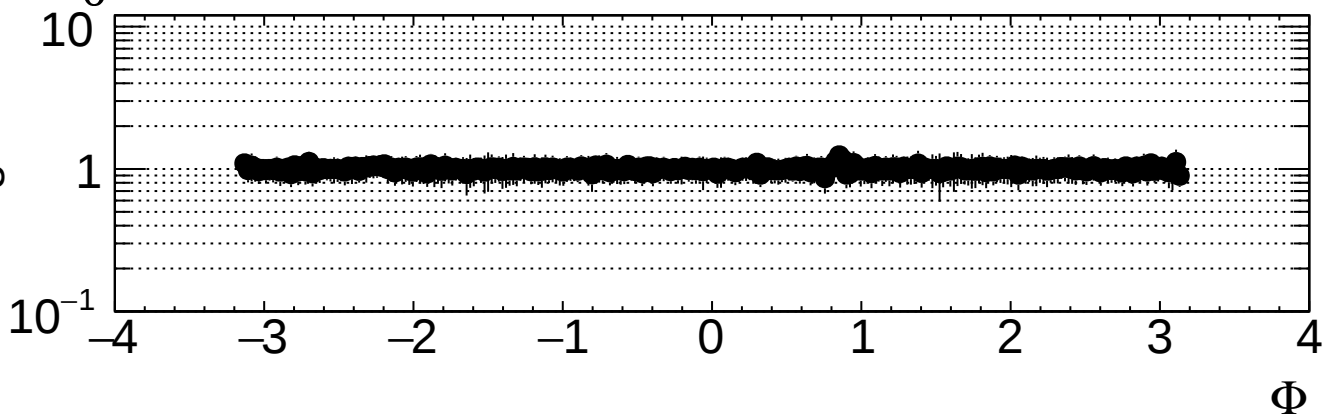
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



ECAL_DeltaPhi_10ns

PADMEInternal

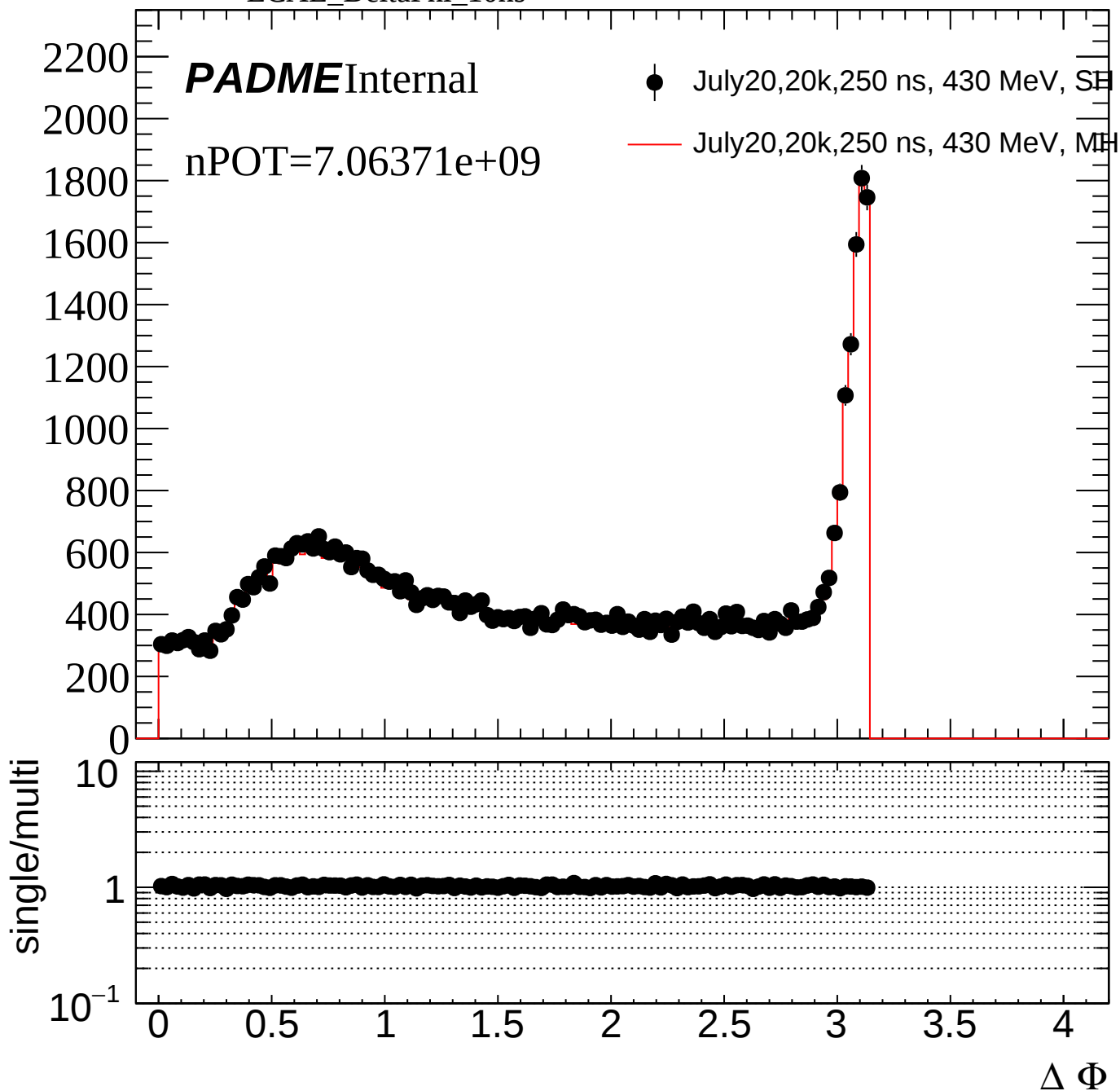
nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

$\Delta \Phi$



ECAL_DeltaPhi_10nsDeltaTheta

PADMEInternal

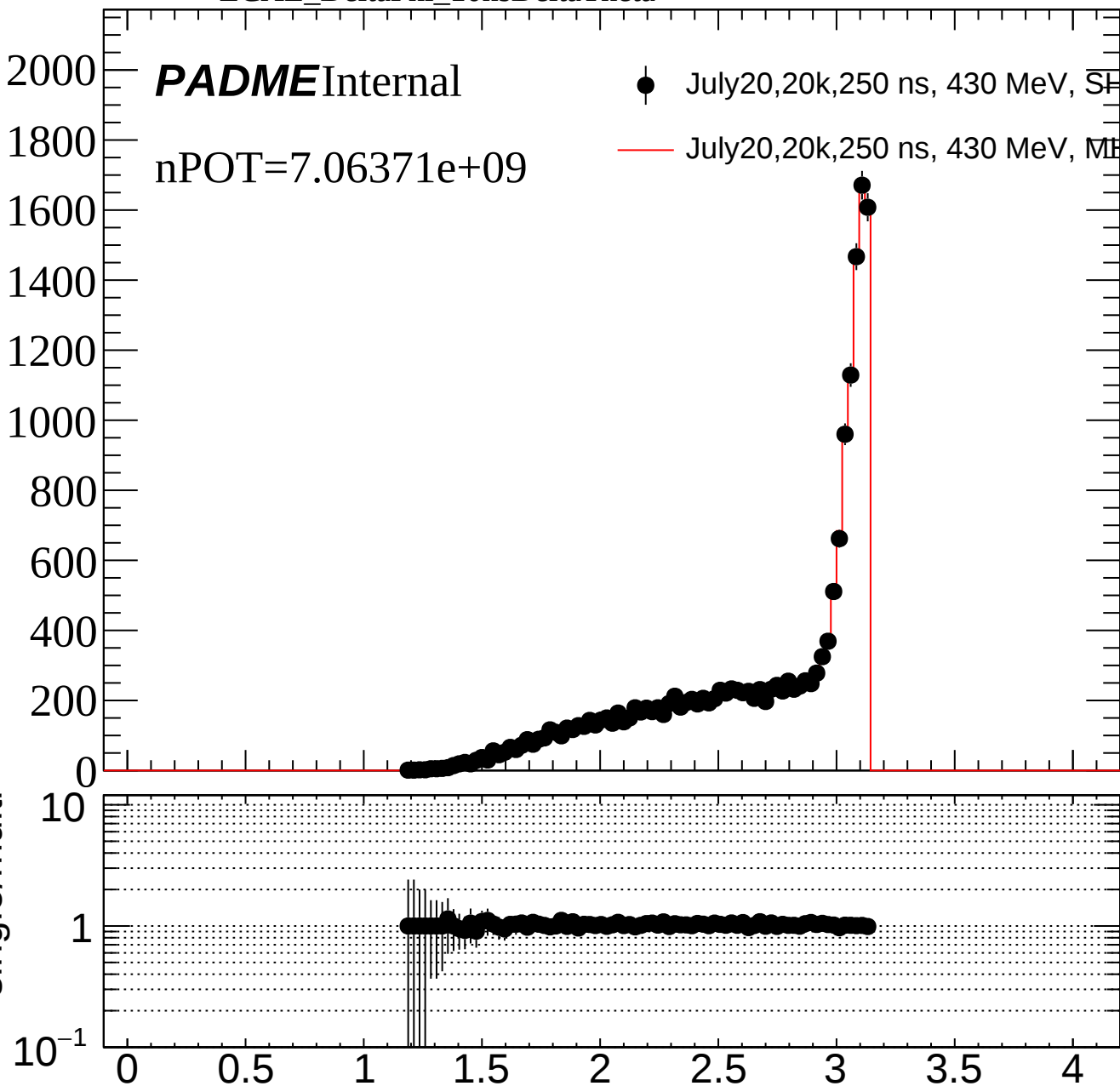
nPOT=7.06371e+09

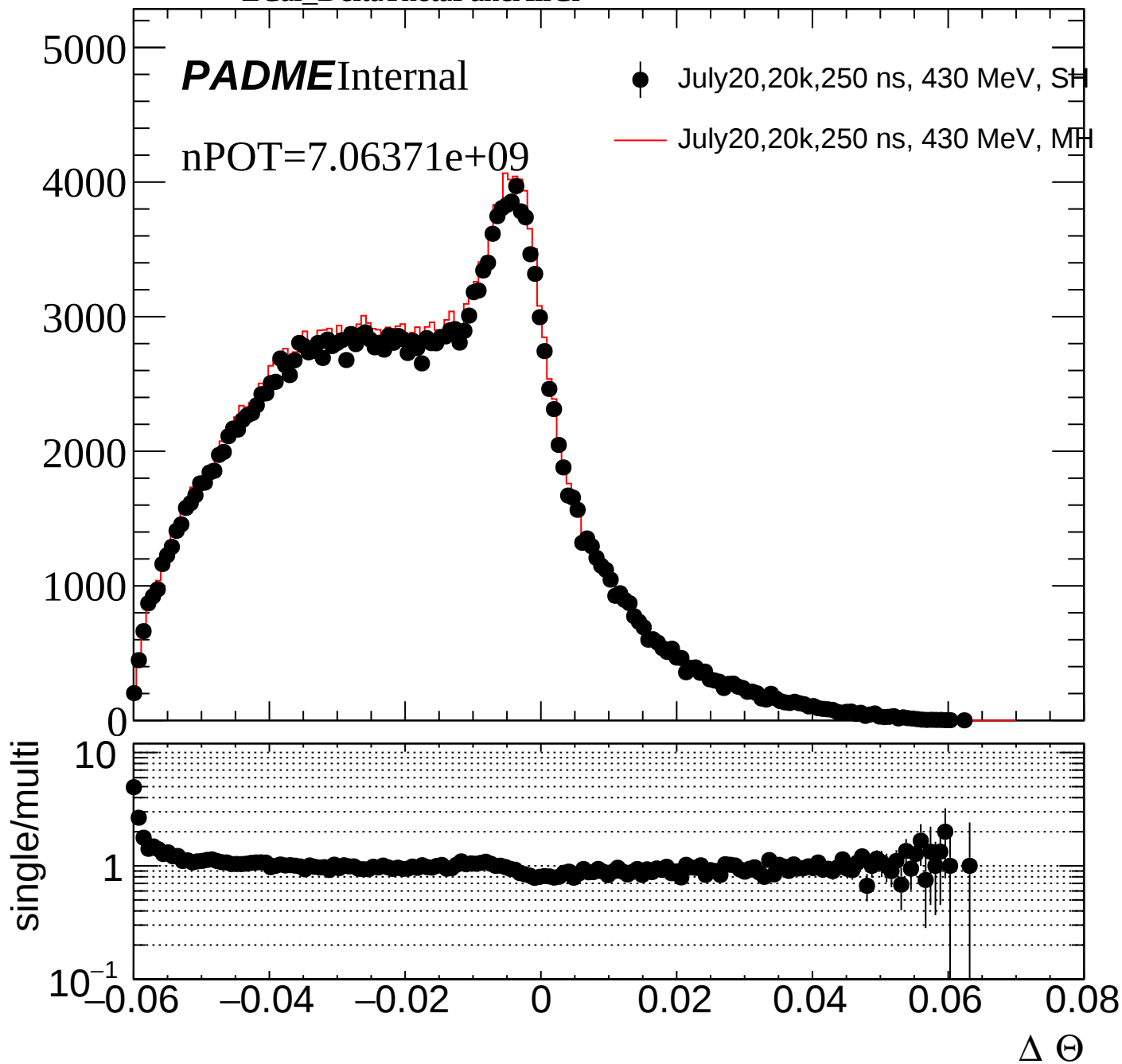
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

$\Delta \Phi$





PADME Internal

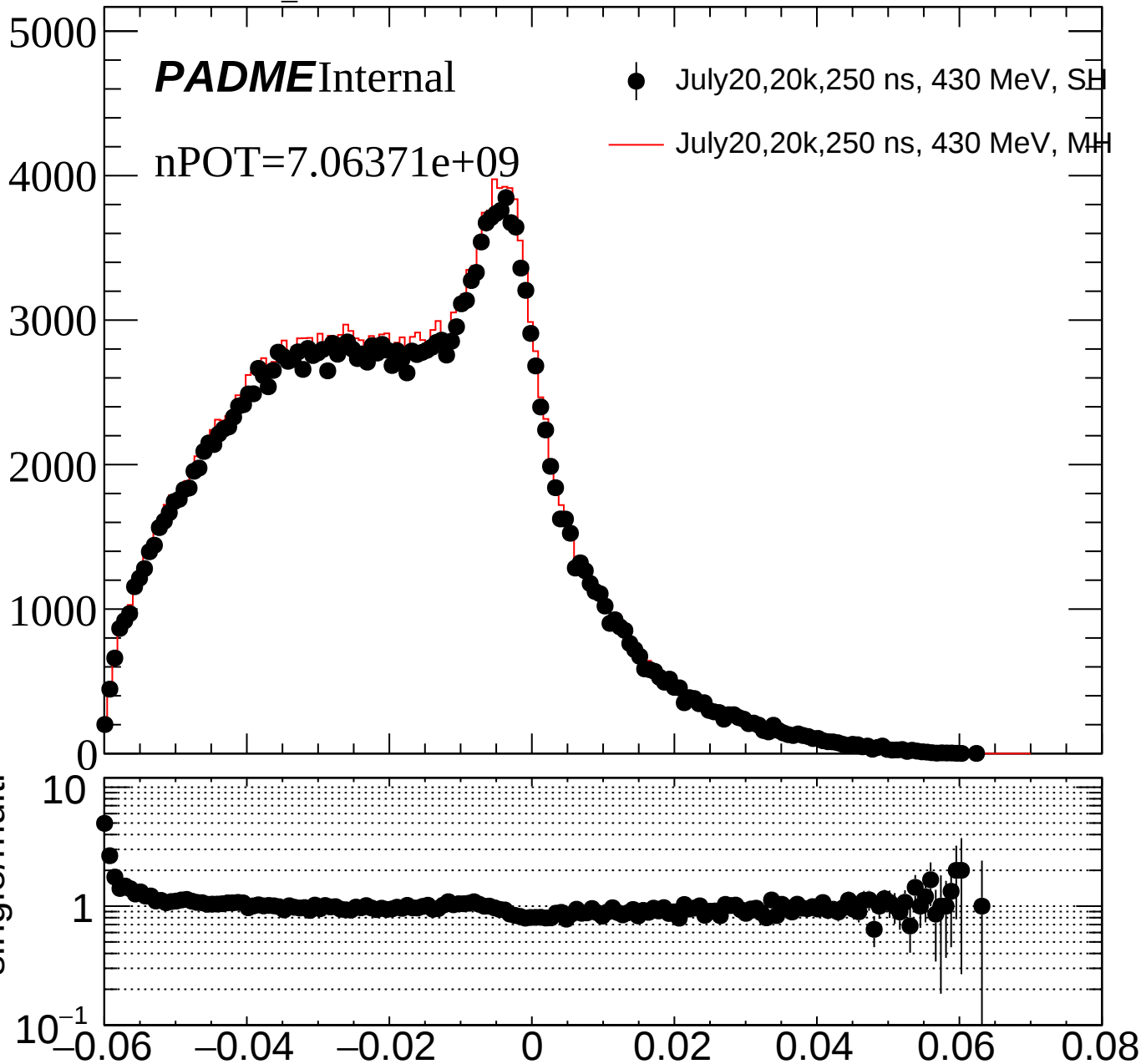
nPOT=7.06371e+09

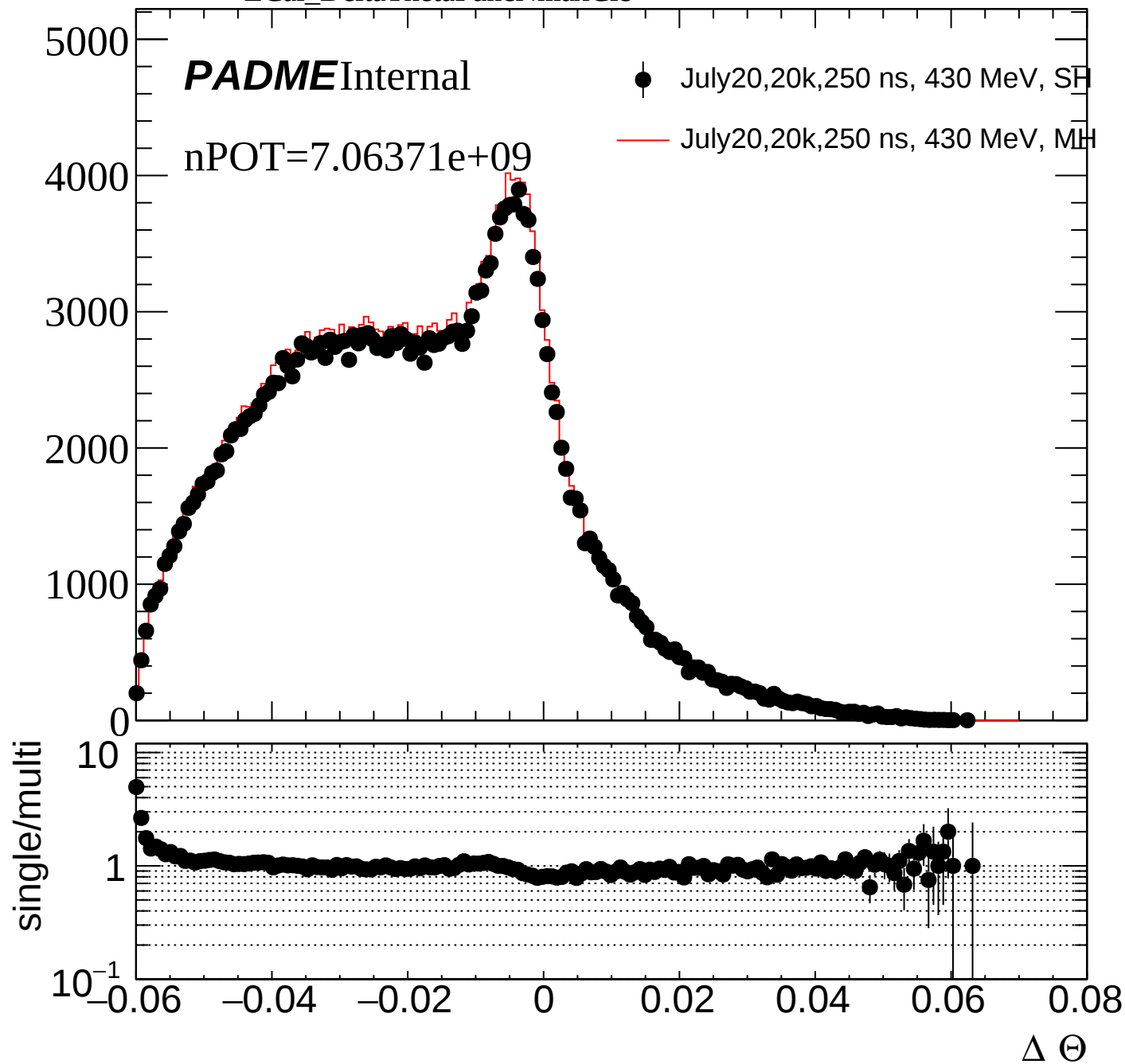
● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi

$\Delta \Theta$





PADMEInternal

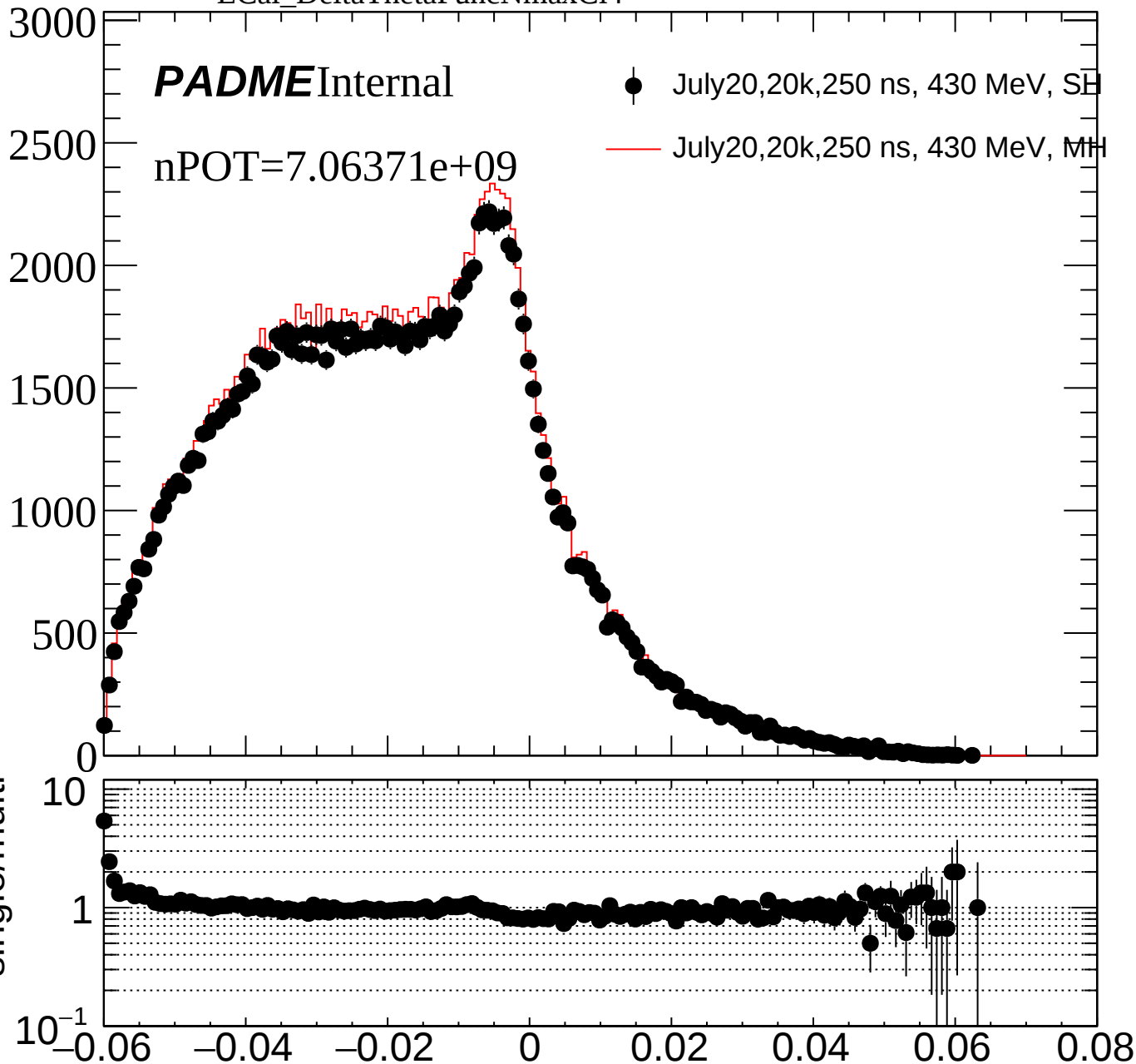
nPOT=7.06371e+09

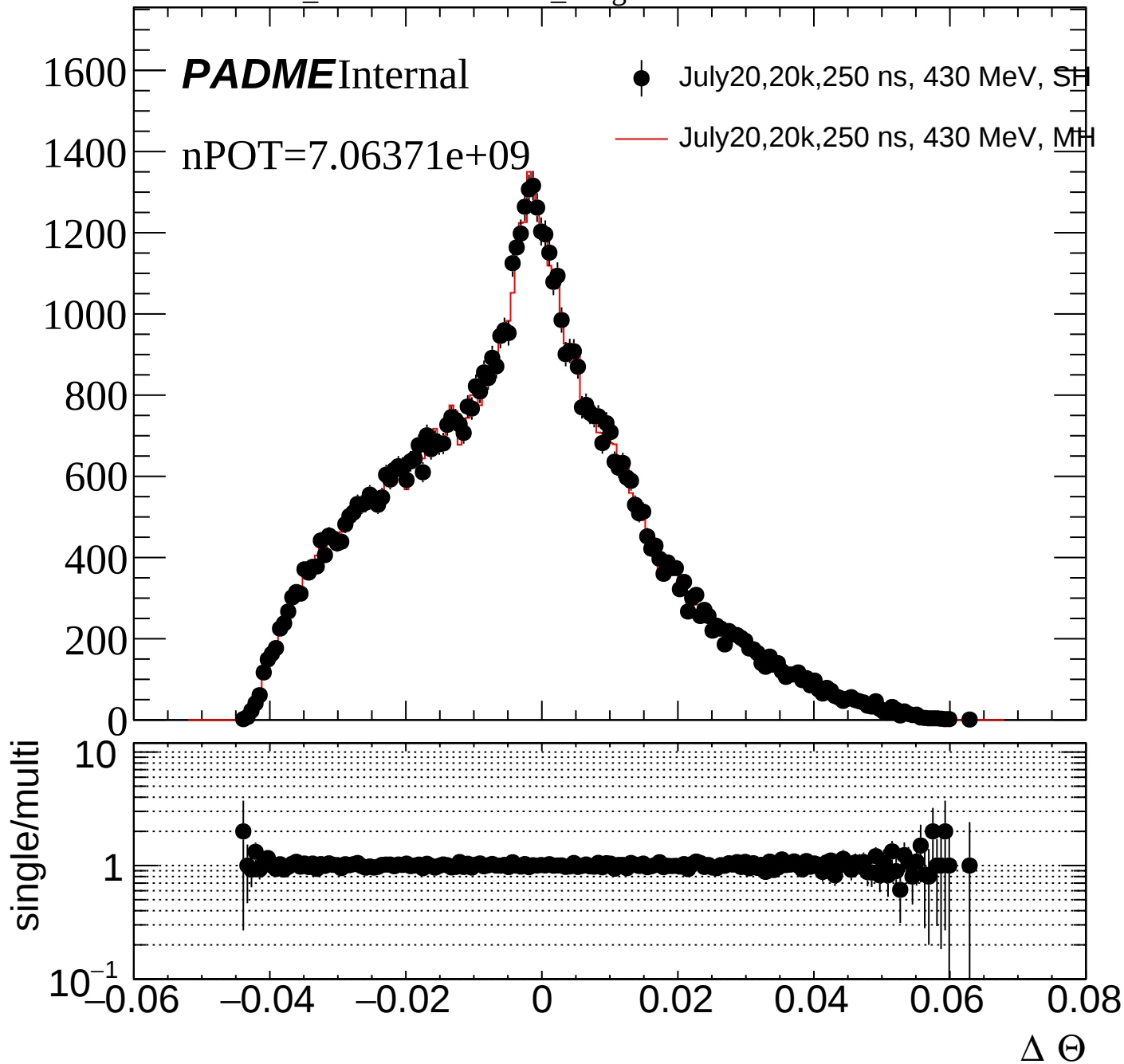
● July20,20k,250 ns, 430 MeV, SH

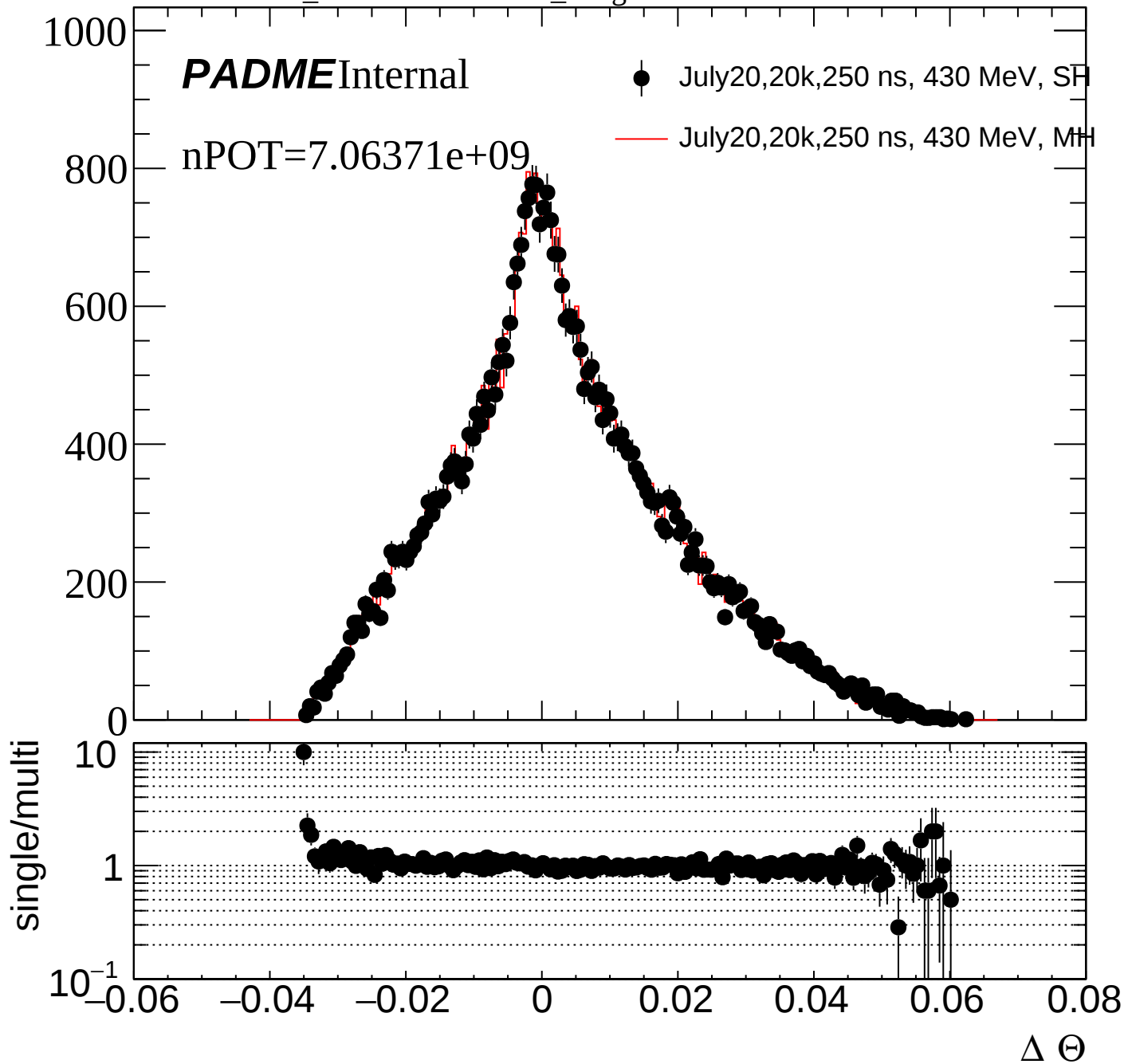
— July20,20k,250 ns, 430 MeV, MH

single/multi

$\Delta \Theta$





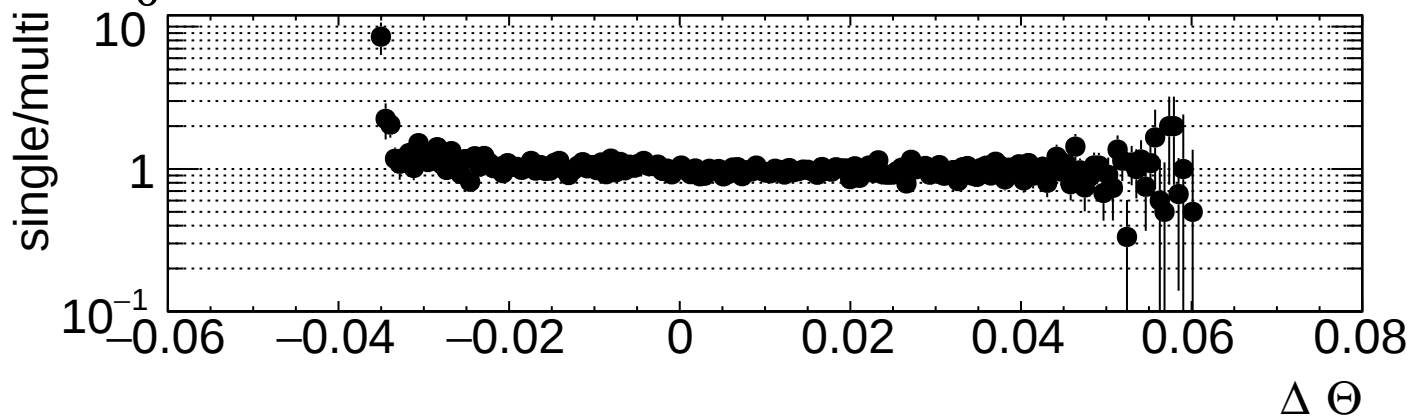


PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

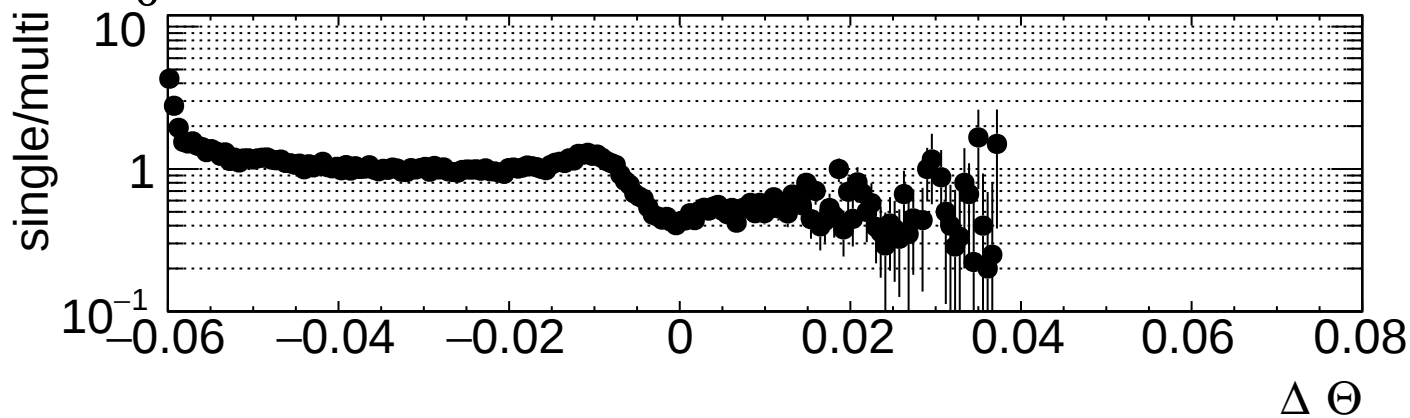


PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



PADME Internal

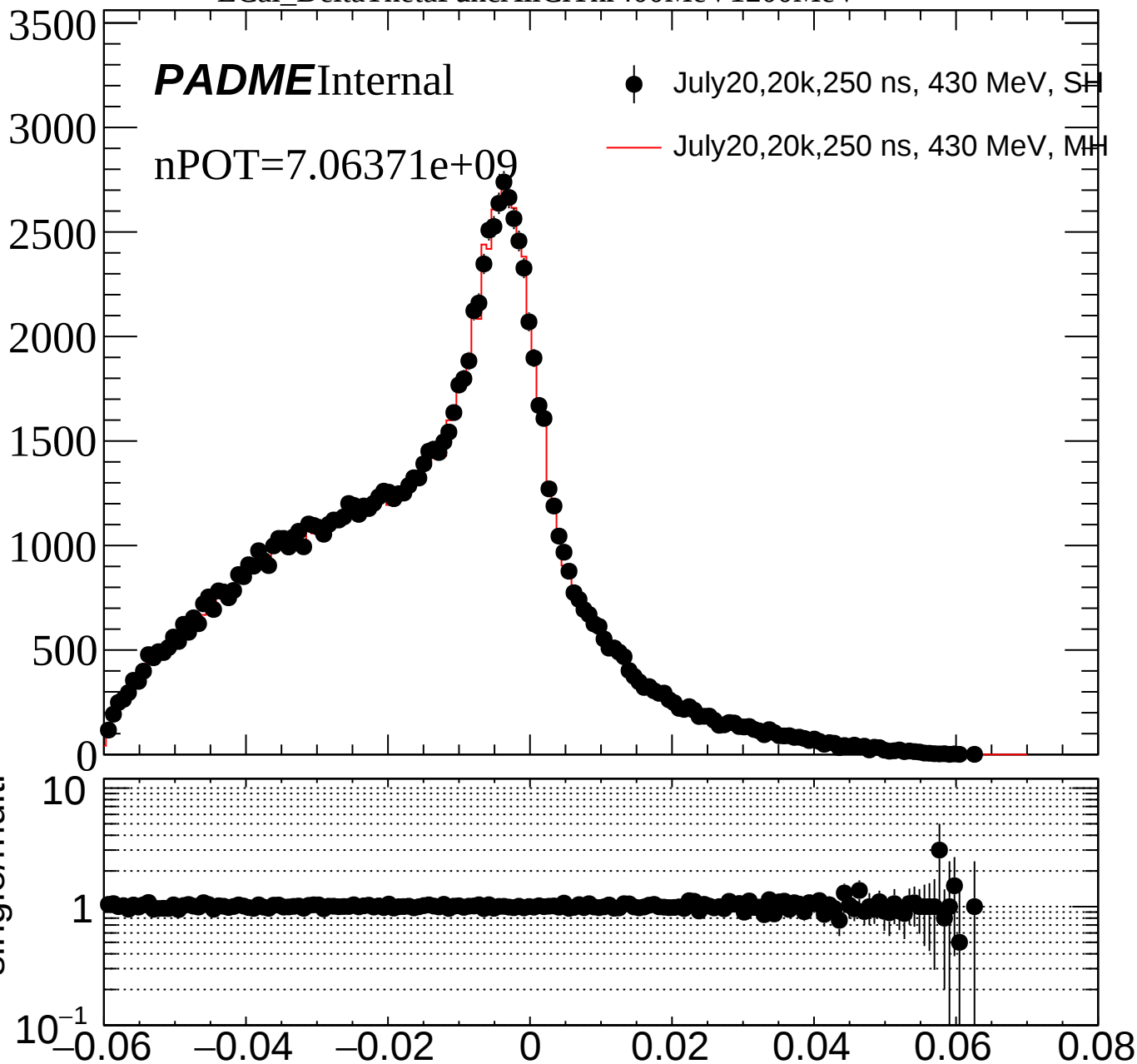
nPOT=7.06371e+09

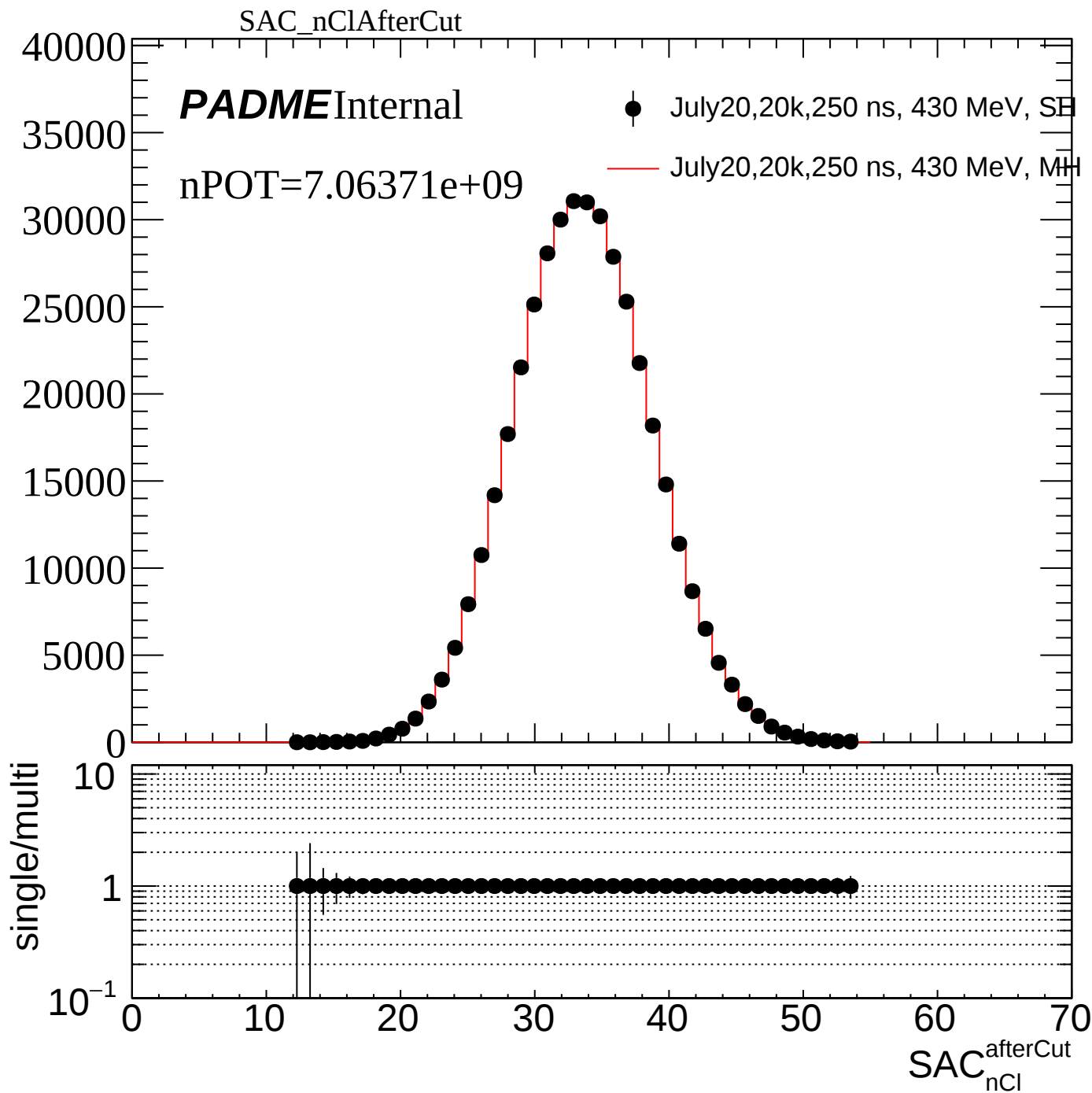
● July20,20k,250 ns, 430 MeV, SH

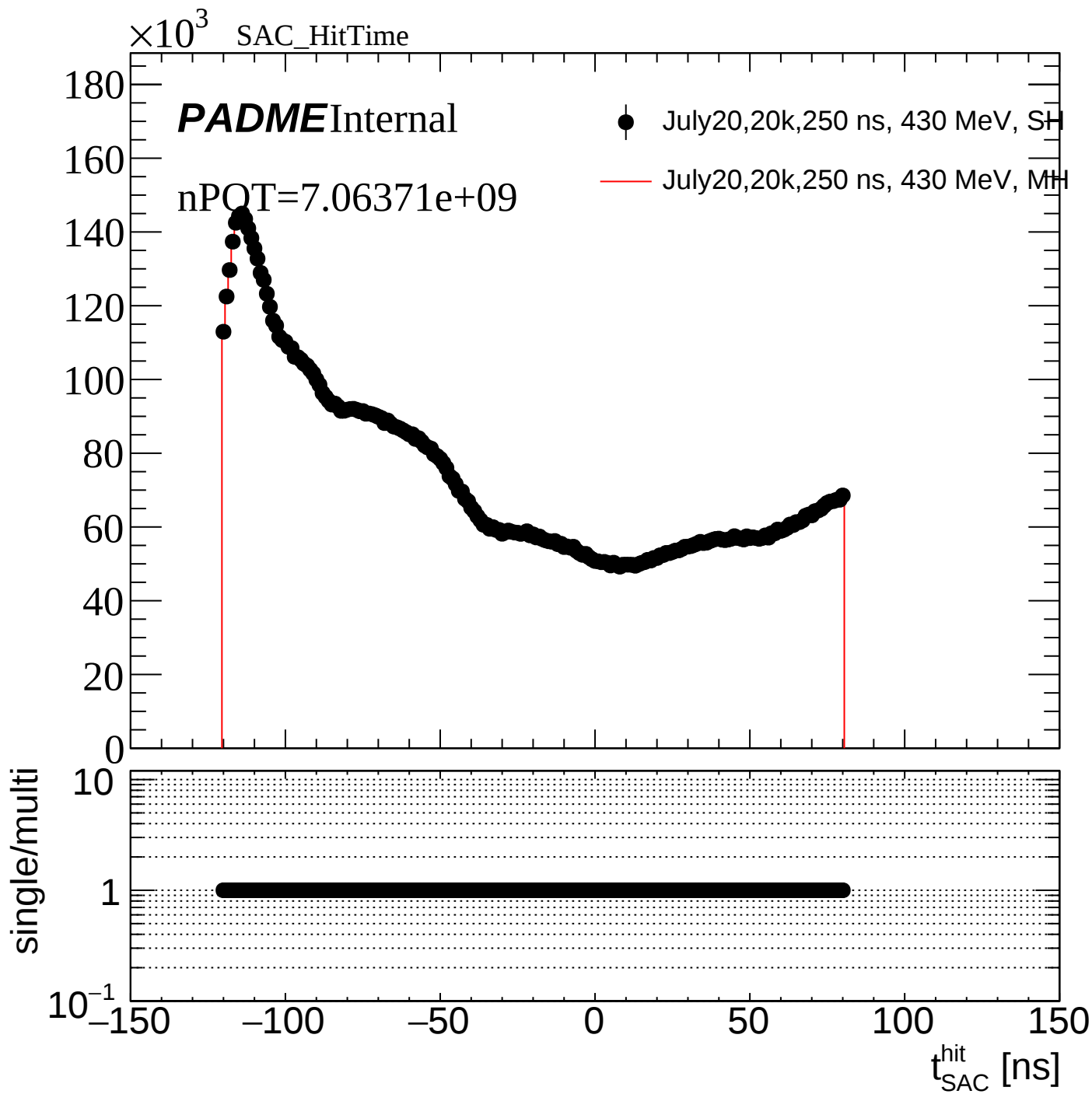
— July20,20k,250 ns, 430 MeV, MH

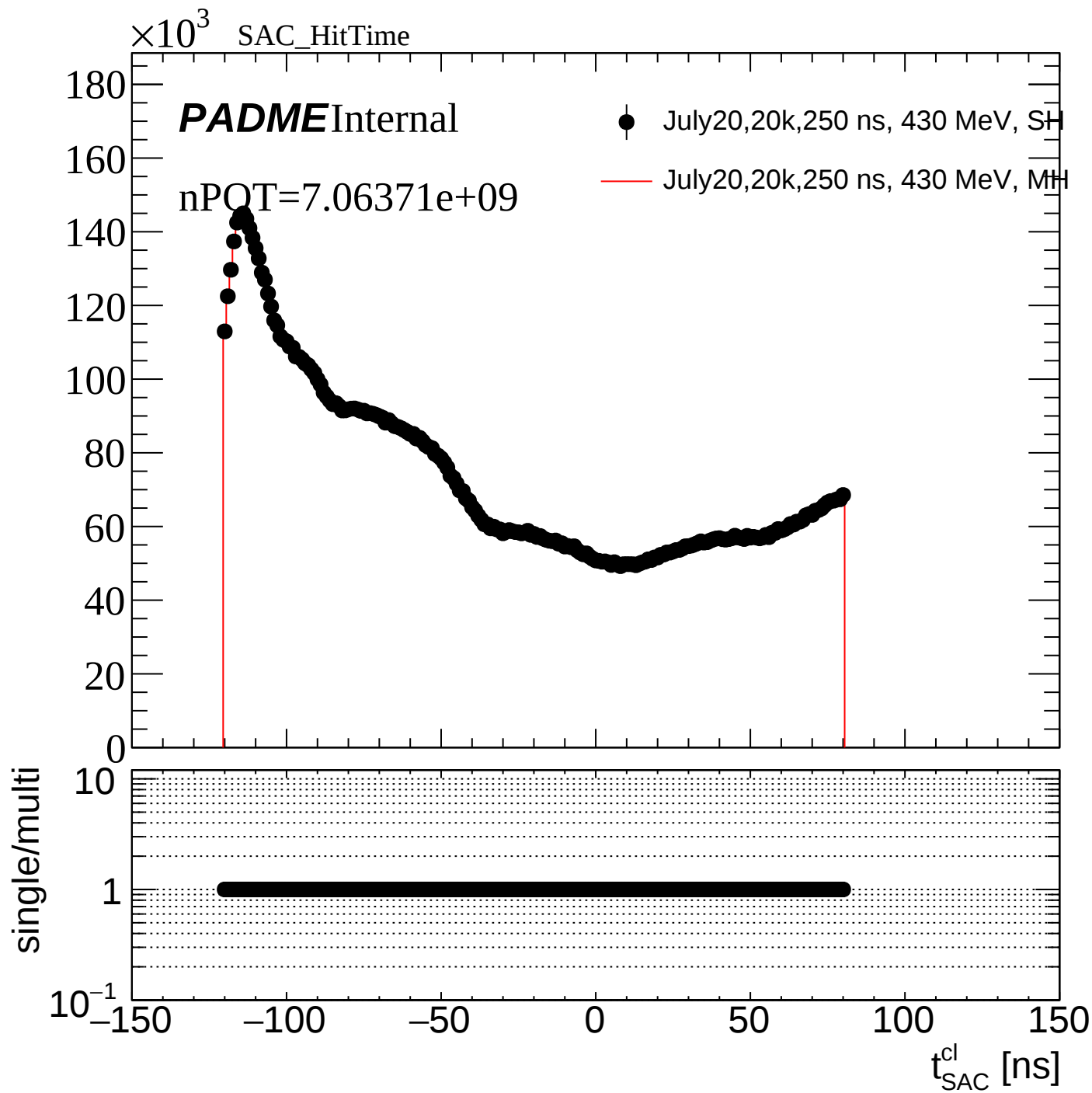
single/multi

$\Delta \Theta$









MissingMass_AllECALclu

10000

PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

8000

6000

4000

2000

0

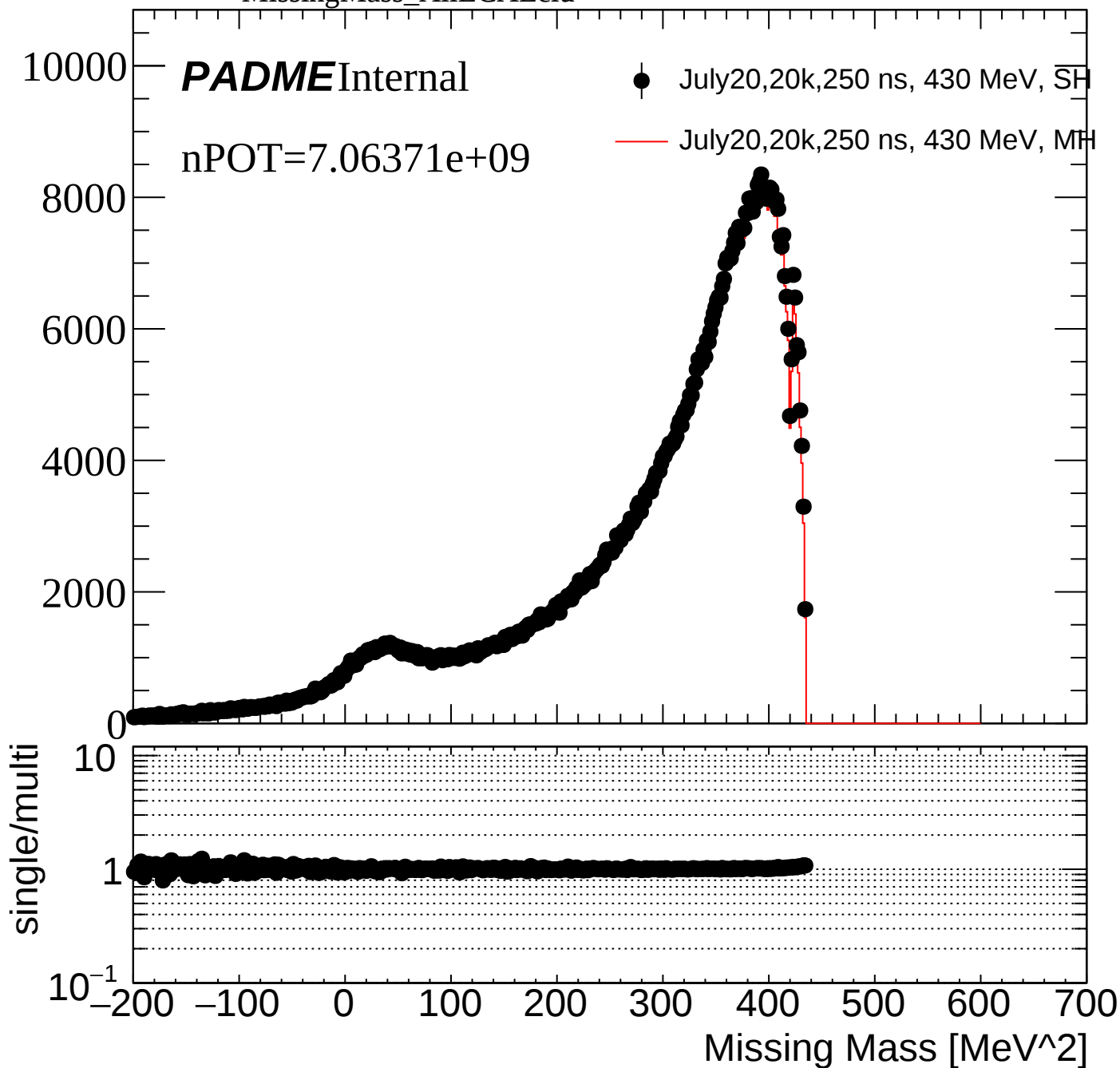
single/multi

10

1

10⁻¹

Missing Mass [MeV²]



MissingMass_AllECALclu_ThrEne50MeV

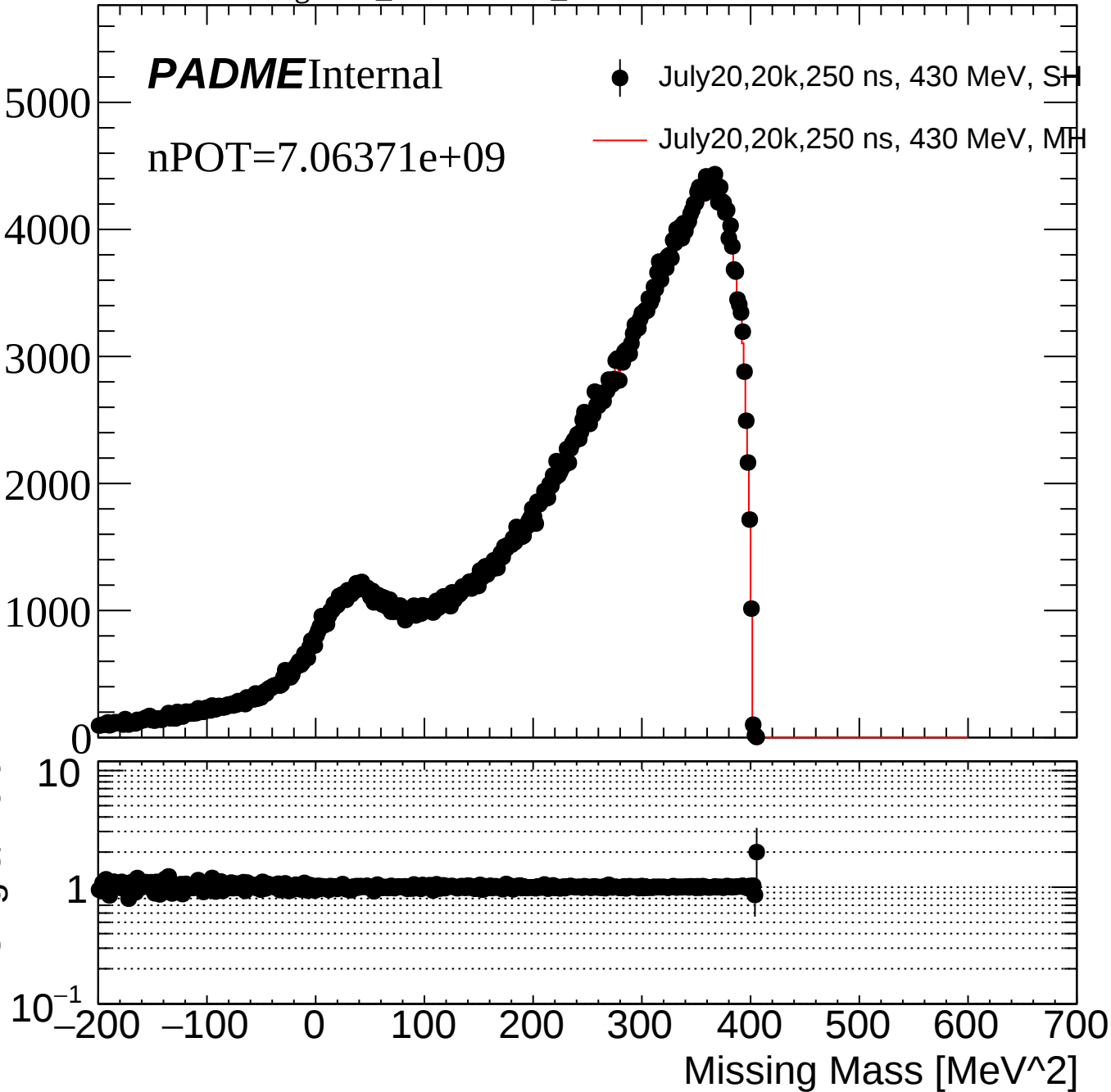
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



MissingMass_NoClInTime20ns_ThrEne50MeV

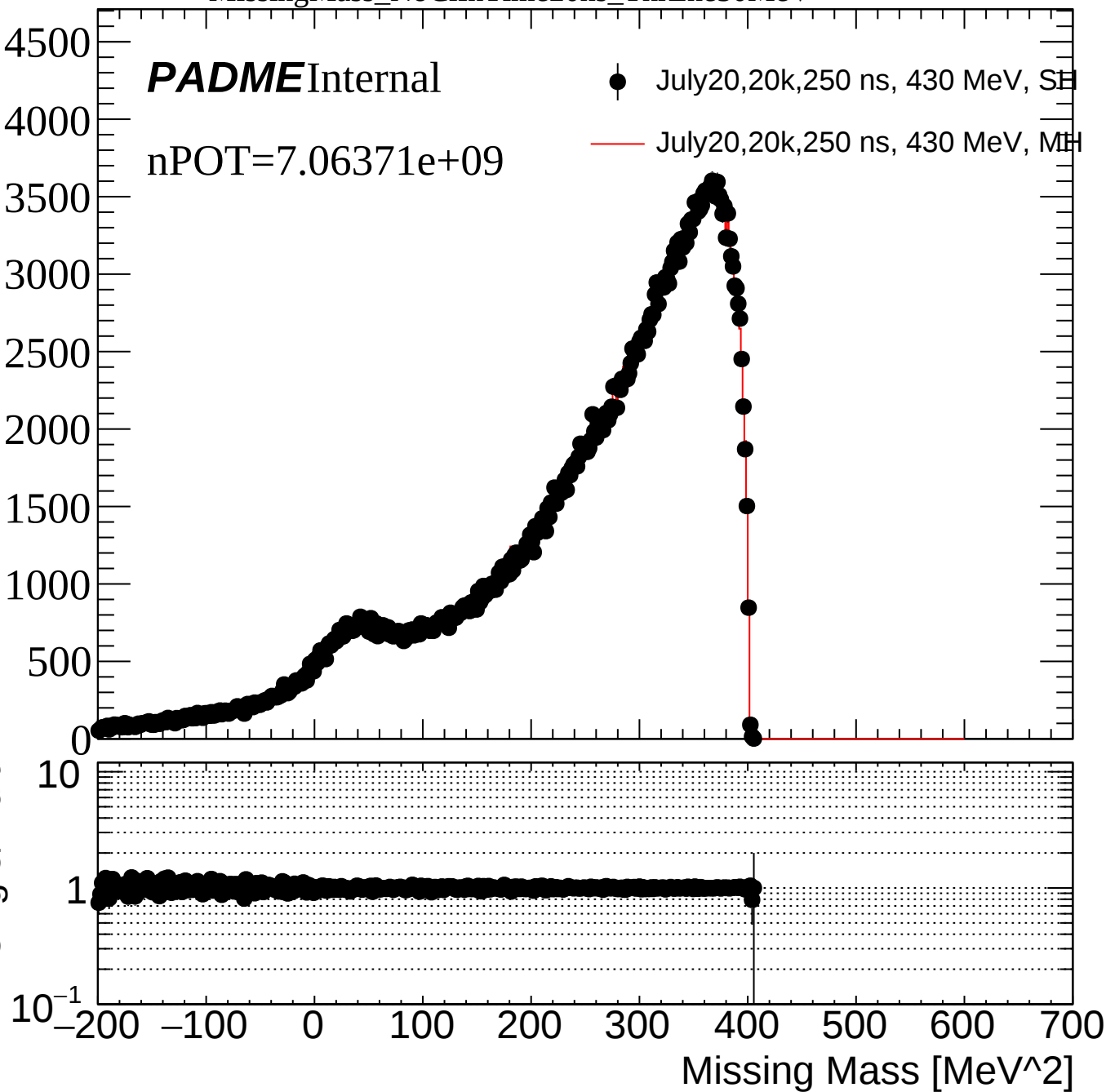
PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

single/multi



MissingMass_NoClInTime10ns_ThrEne50MeV

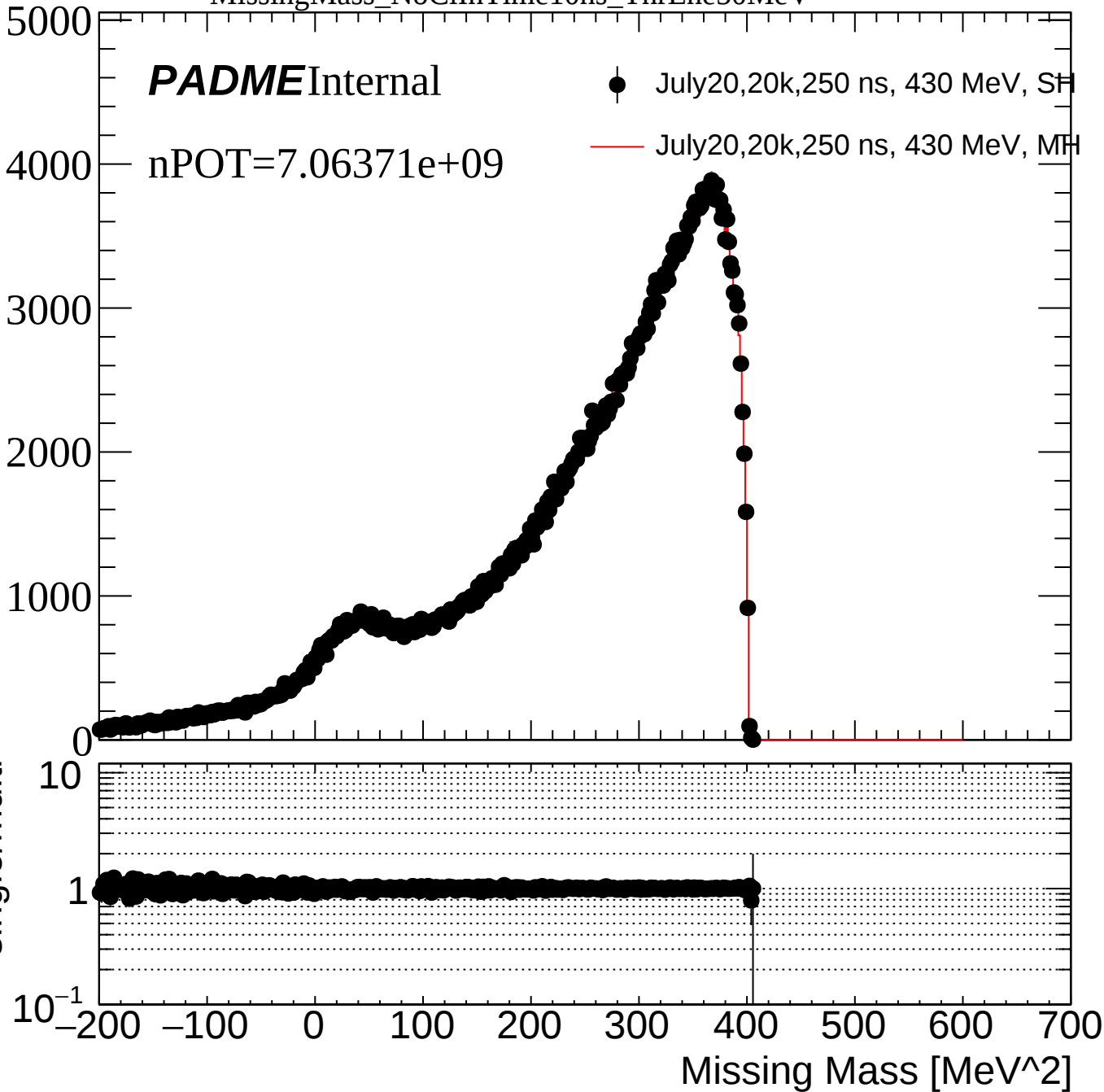
PADMEInternal

nPOT=7.06371e+09

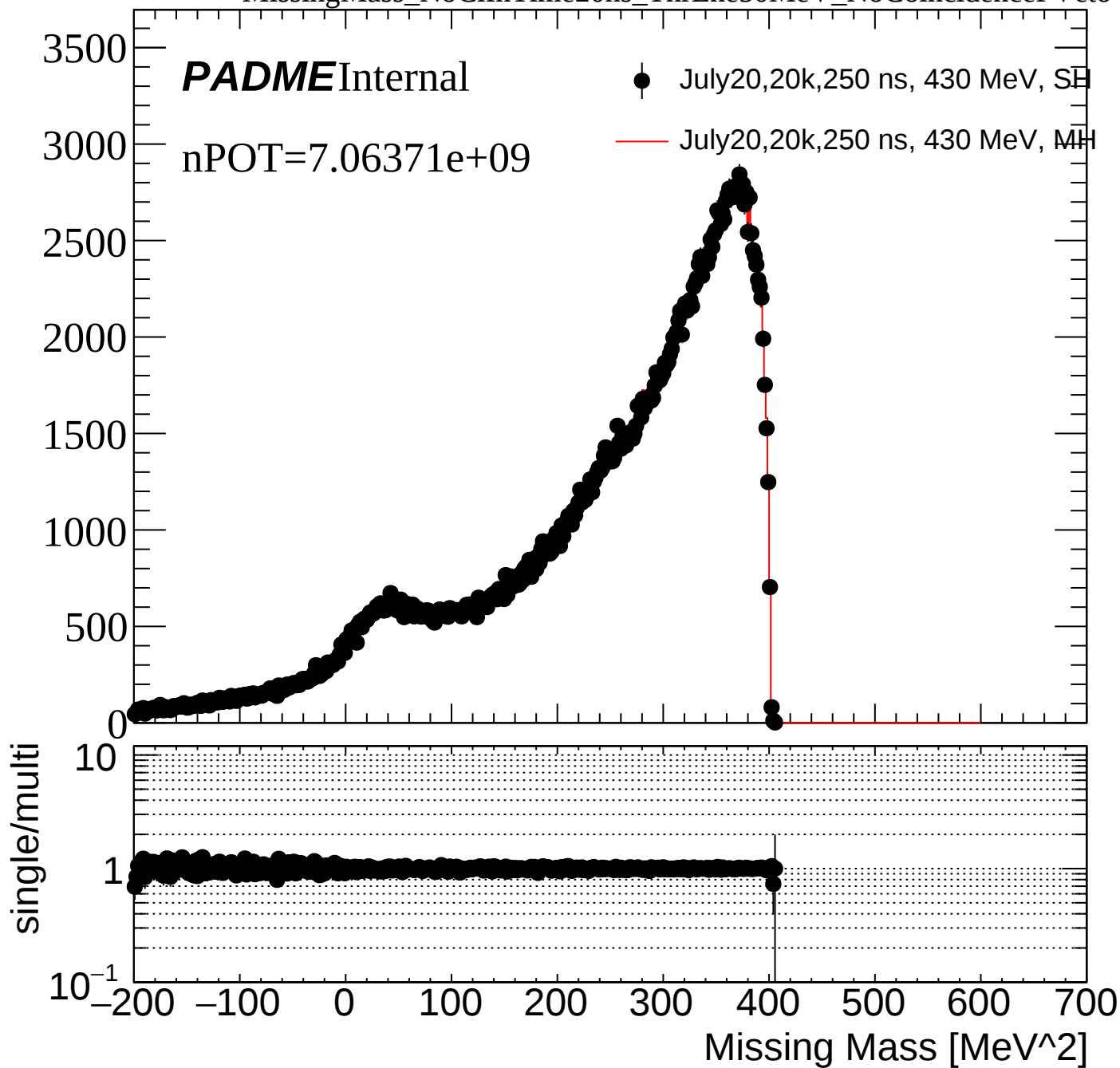
● July20,20k,250 ns, 430 MeV, SH

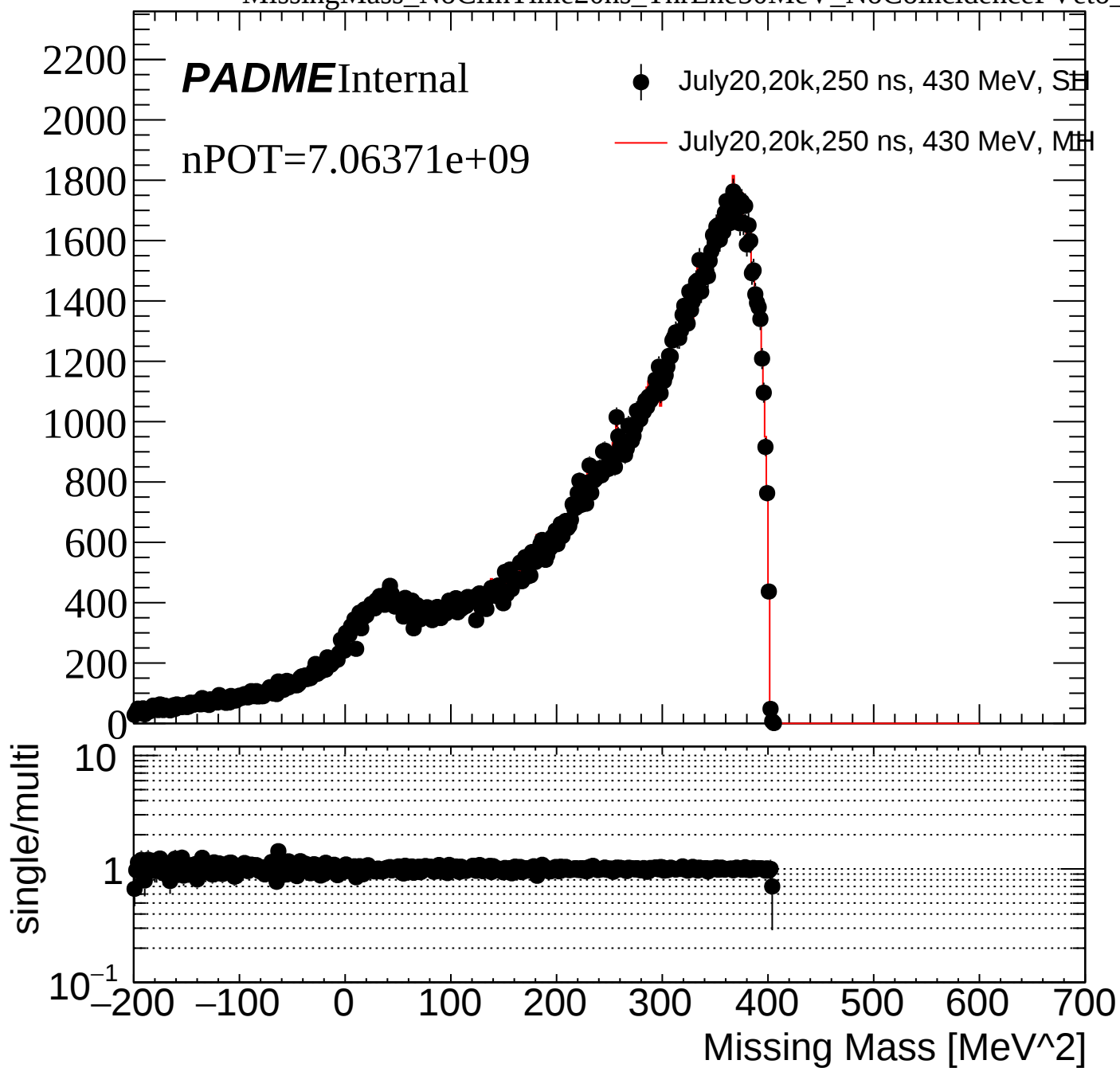
— July20,20k,250 ns, 430 MeV, MH

single/multi



MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto





MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto

PADMEInternal

nPOT=7.06371e+09

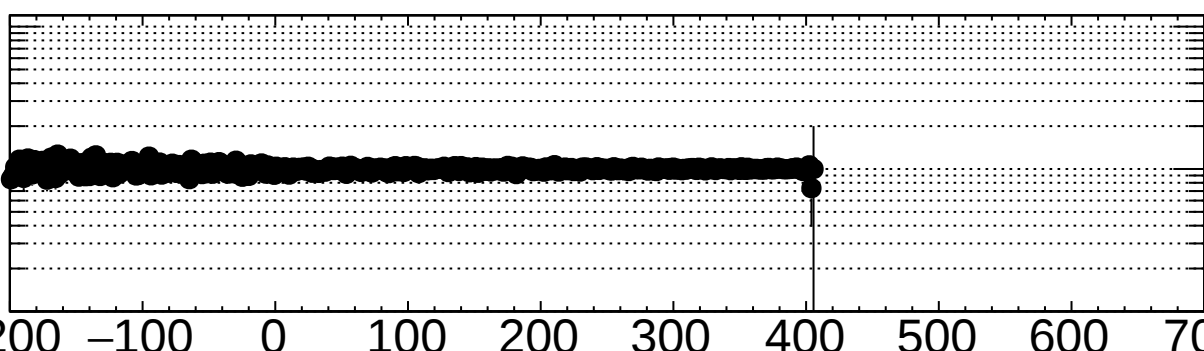
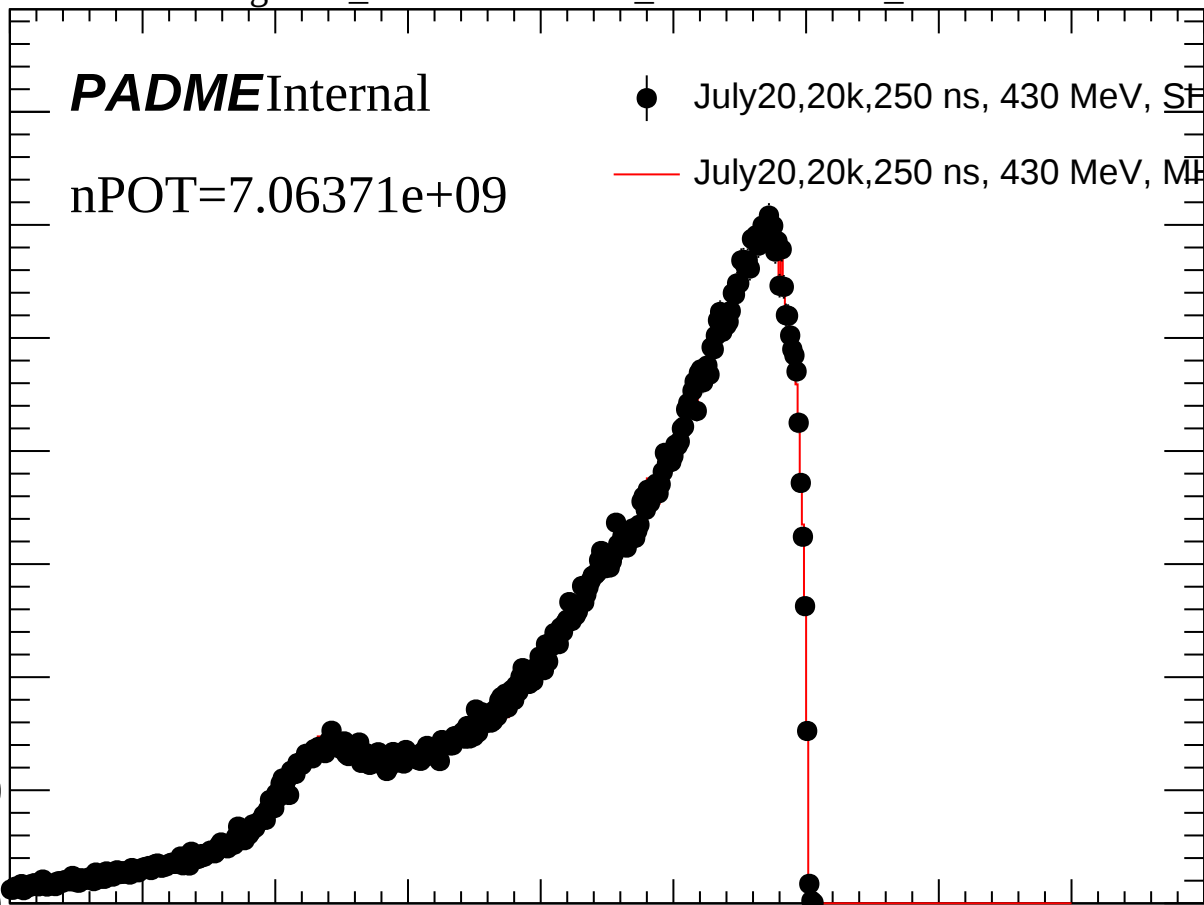
● July20,20k,250 ns, 430 MeV, SH

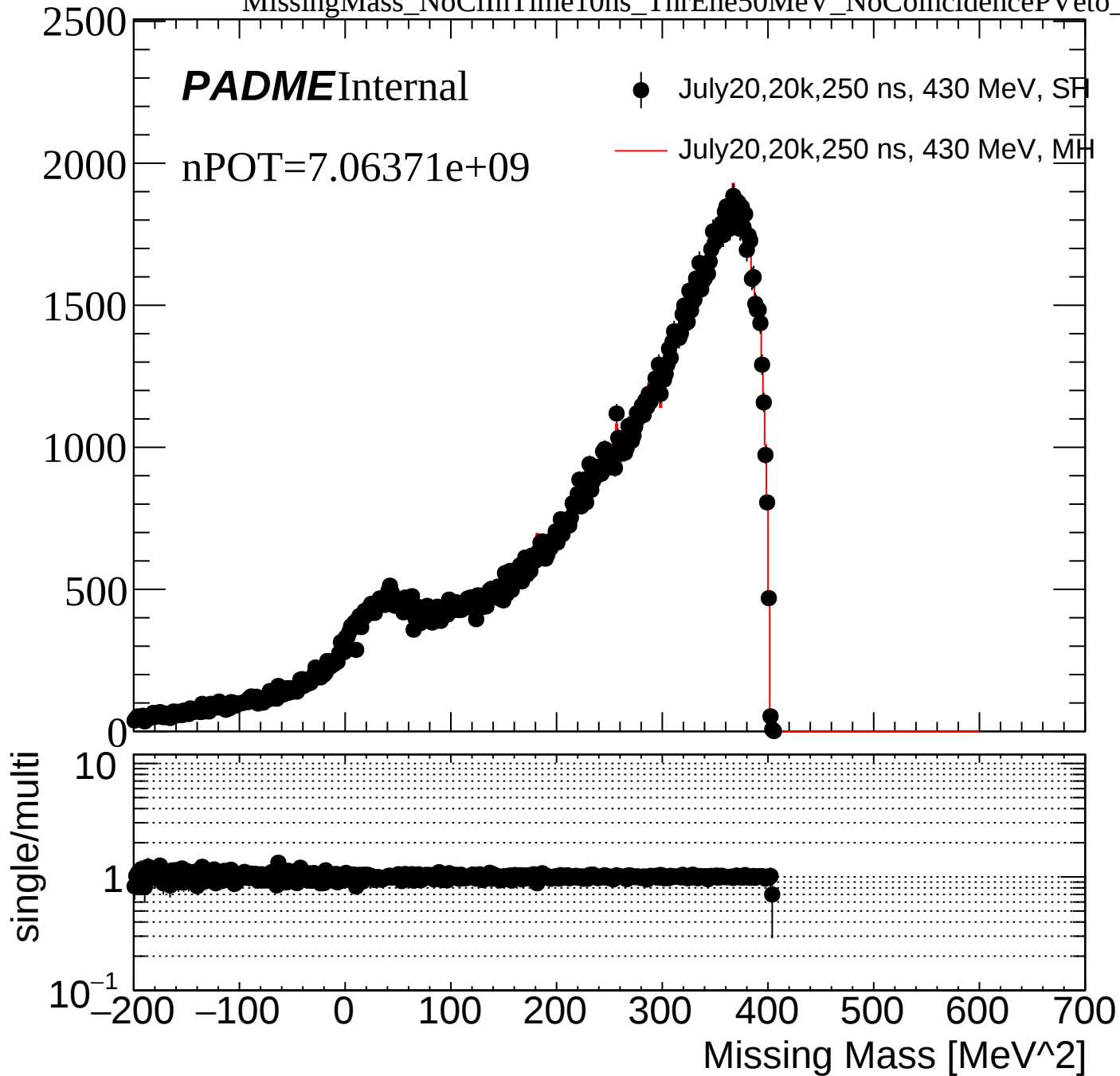
— July20,20k,250 ns, 430 MeV, MH

single/multi

3500
3000
2500
2000
1500
1000
500
0
10
1
10⁻¹

Missing Mass [MeV²]



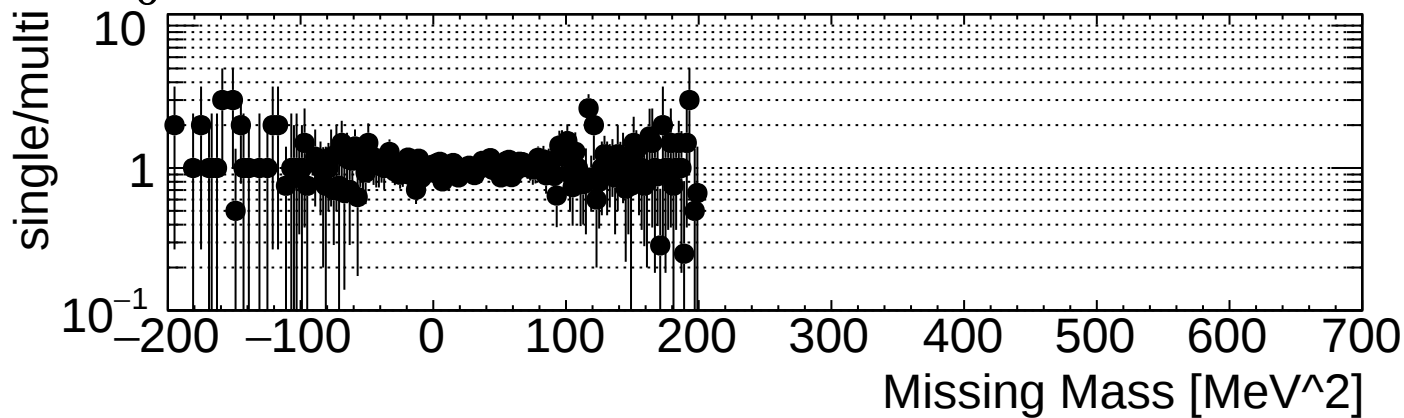


PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH



PADMEInternal

nPOT=7.06371e+09

● July20,20k,250 ns, 430 MeV, SH

— July20,20k,250 ns, 430 MeV, MH

