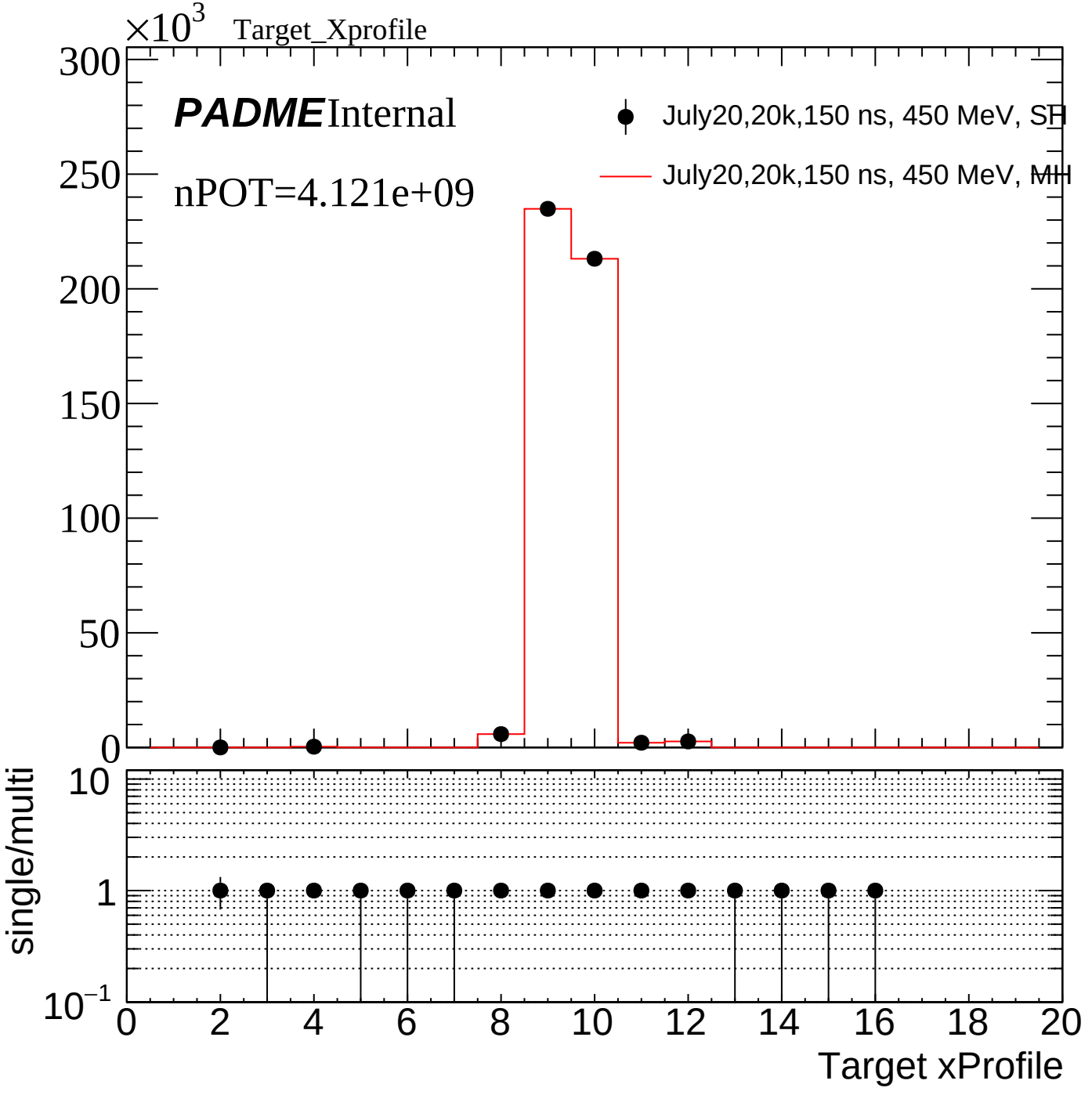
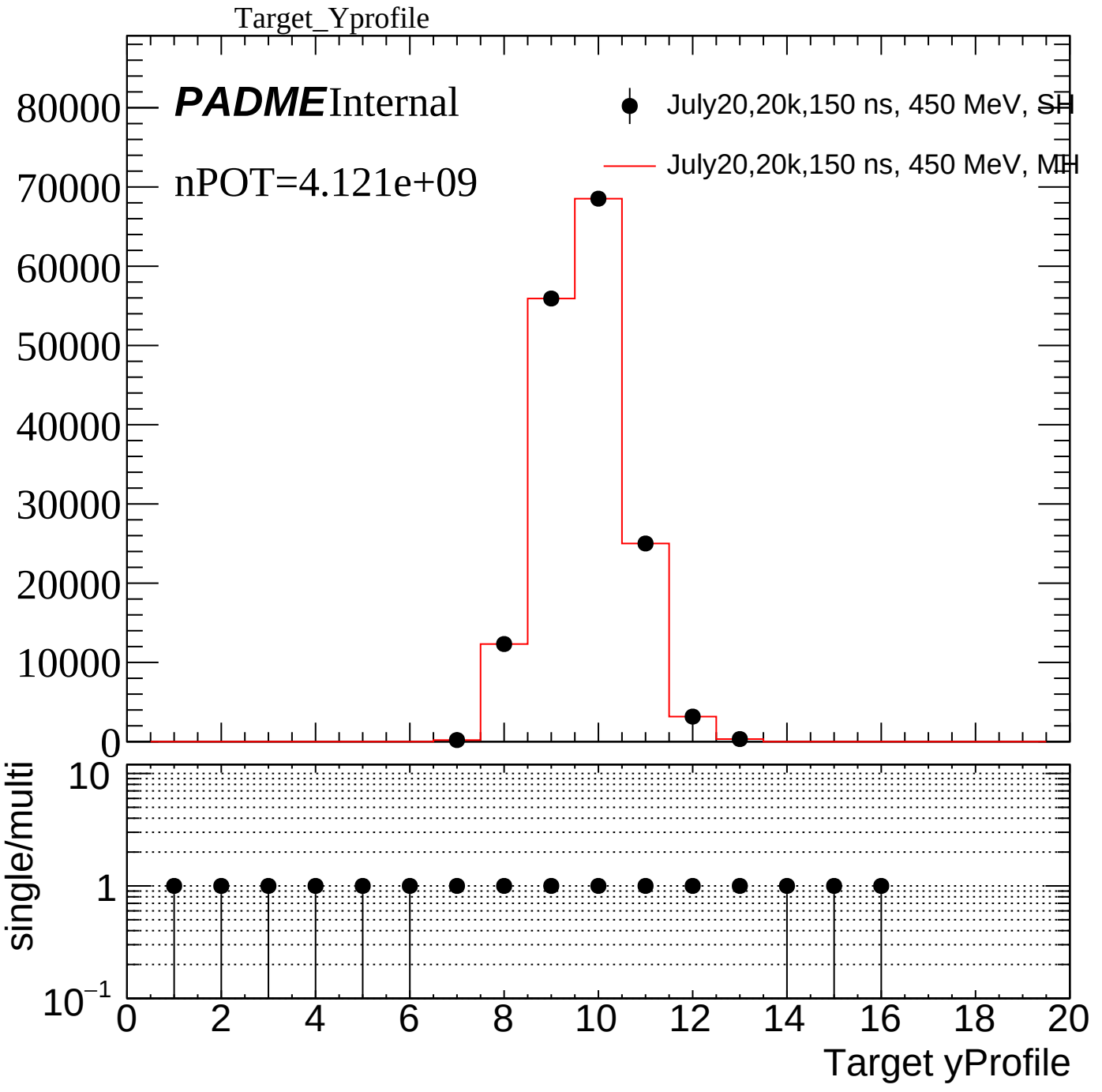
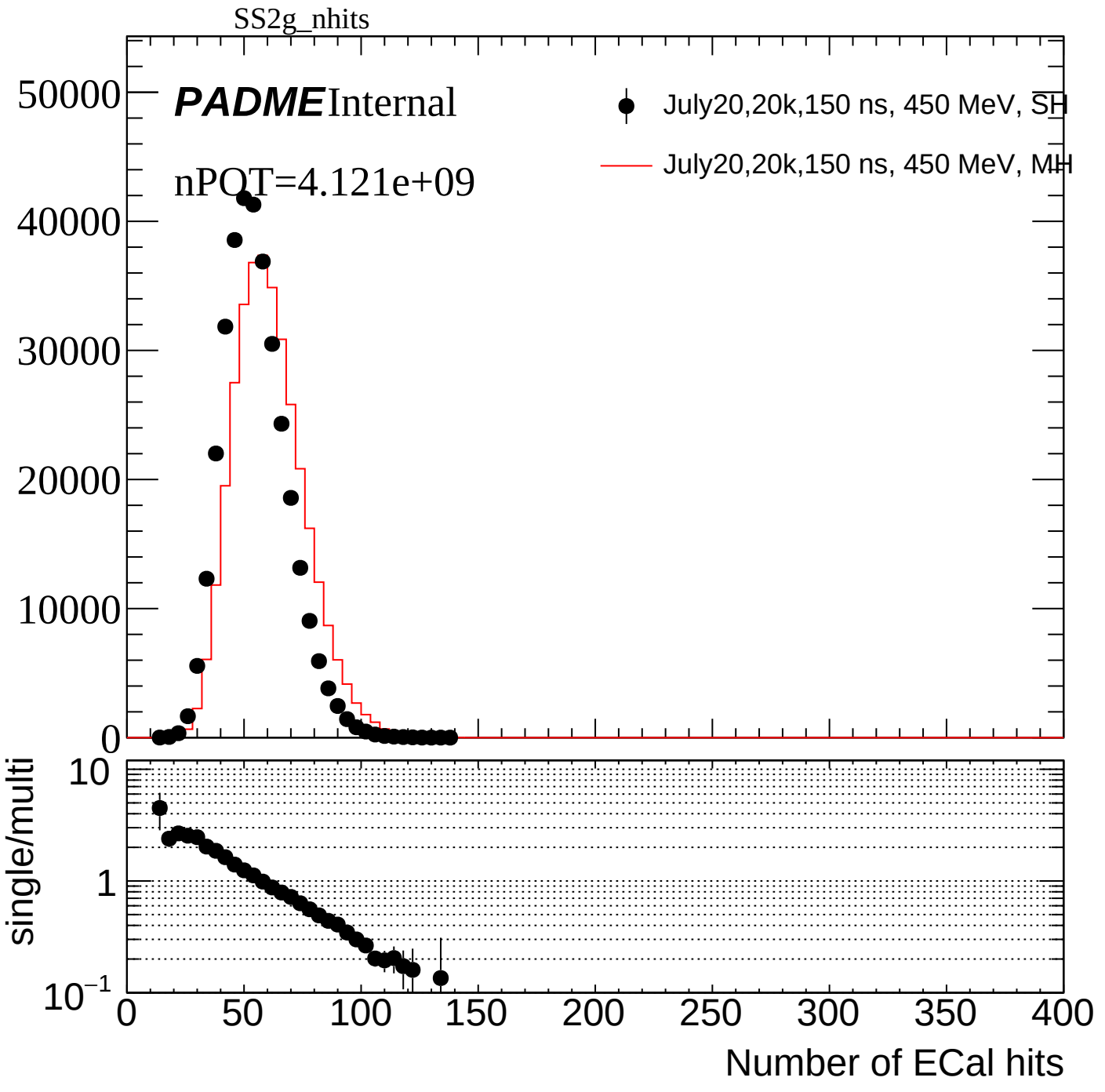
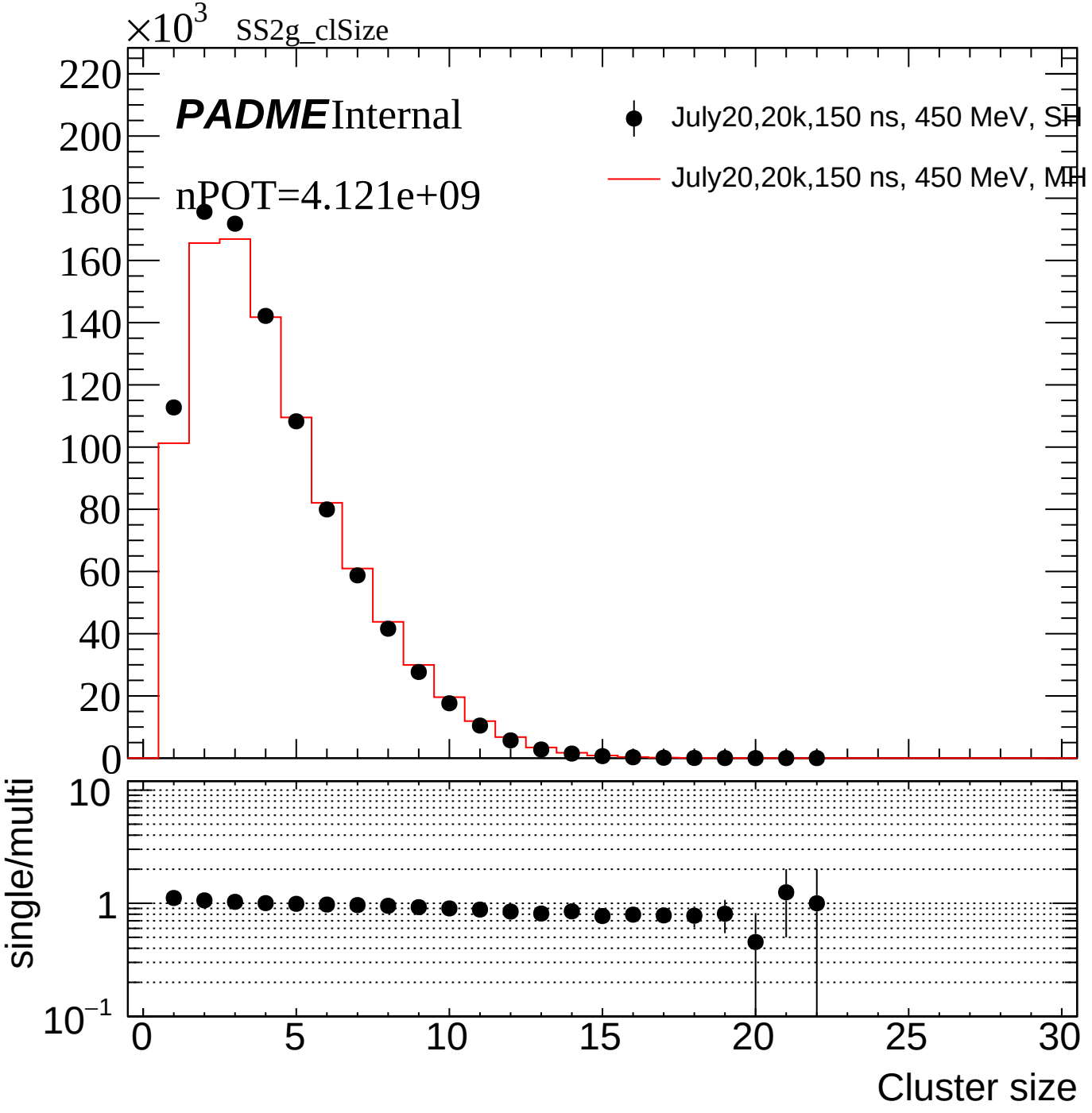
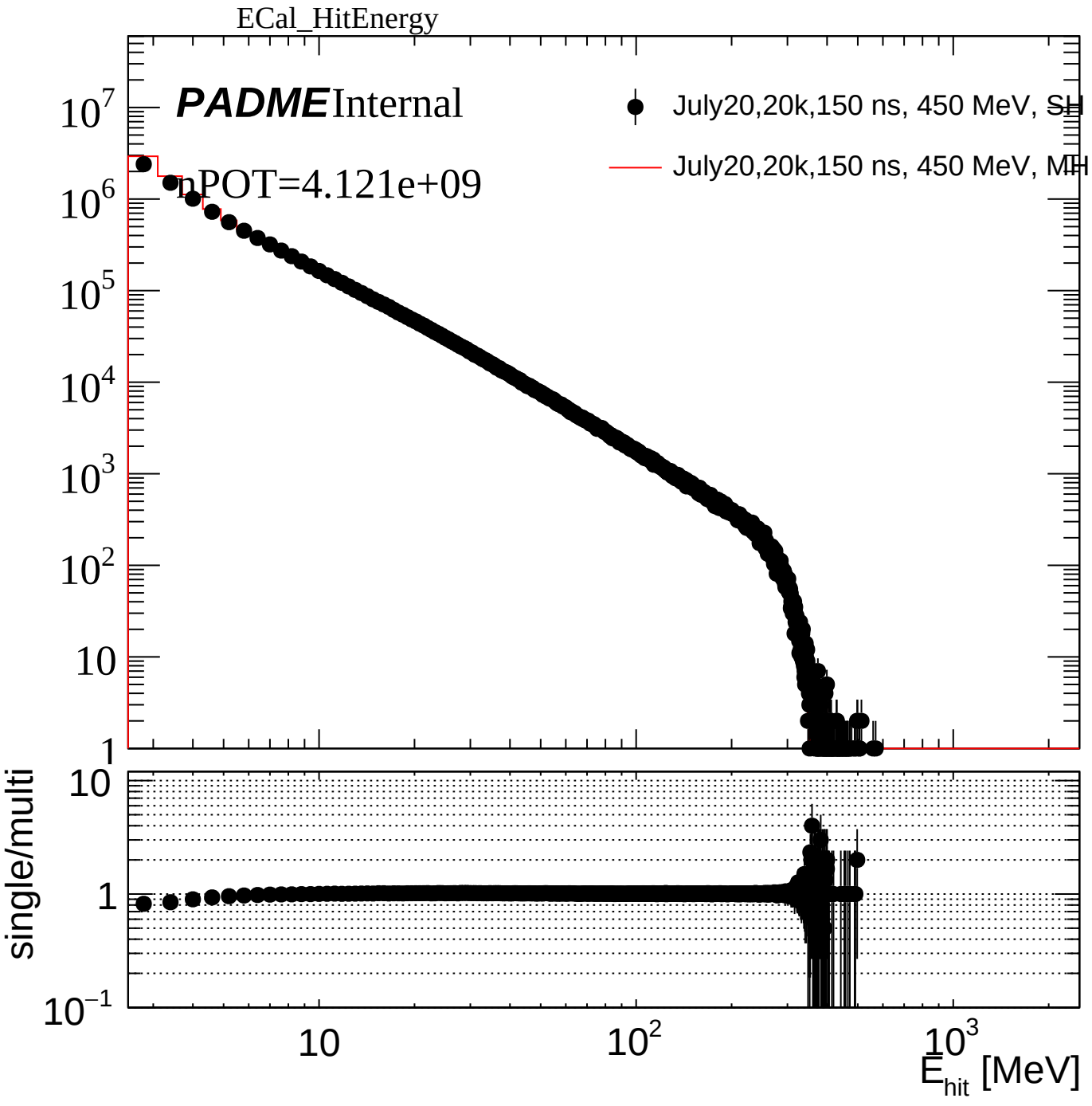
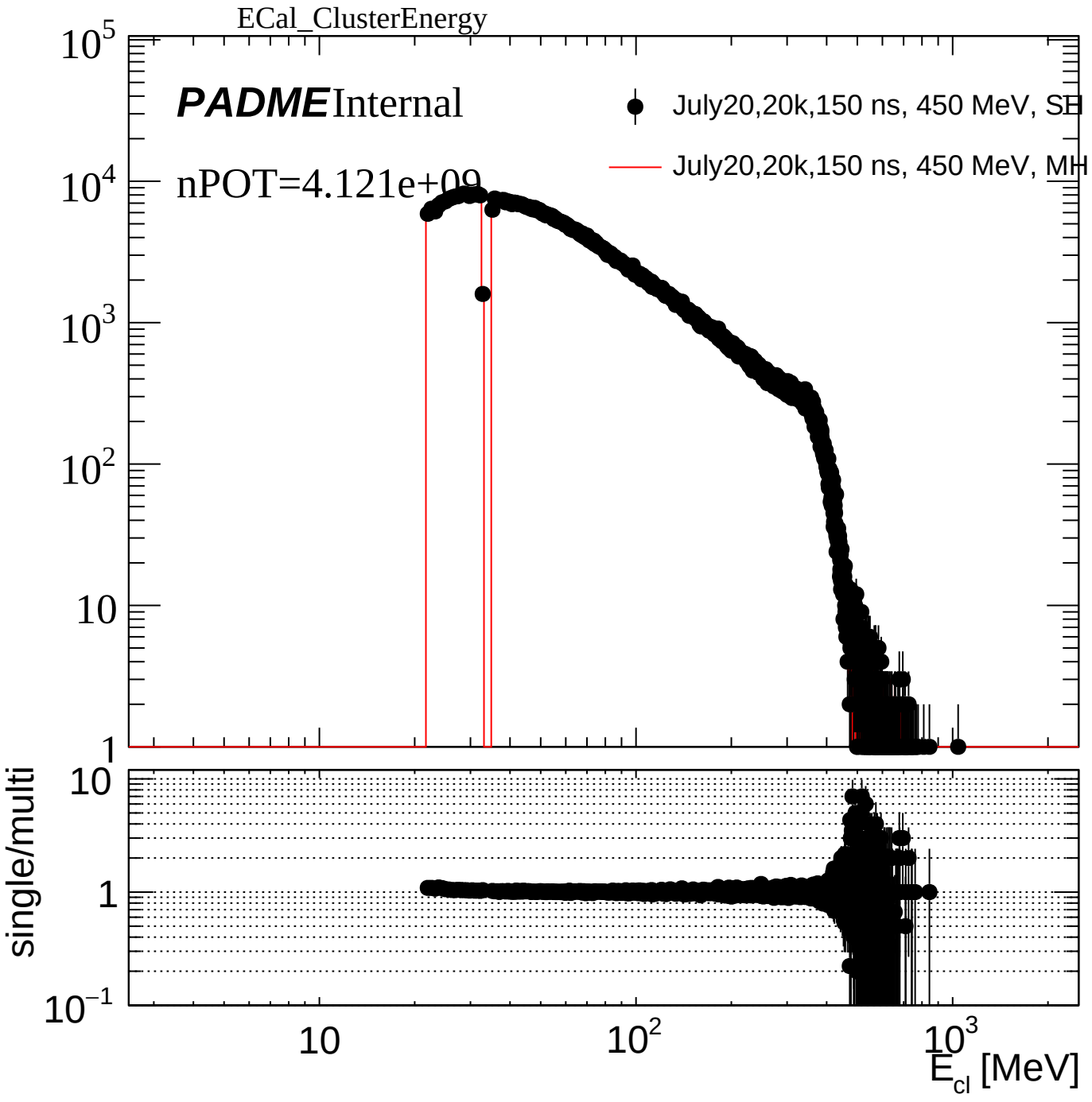

×10^3
Target_Xprofile
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^−1
0
2
4
6
8
10
12
14
16
18
20
Target xProfile

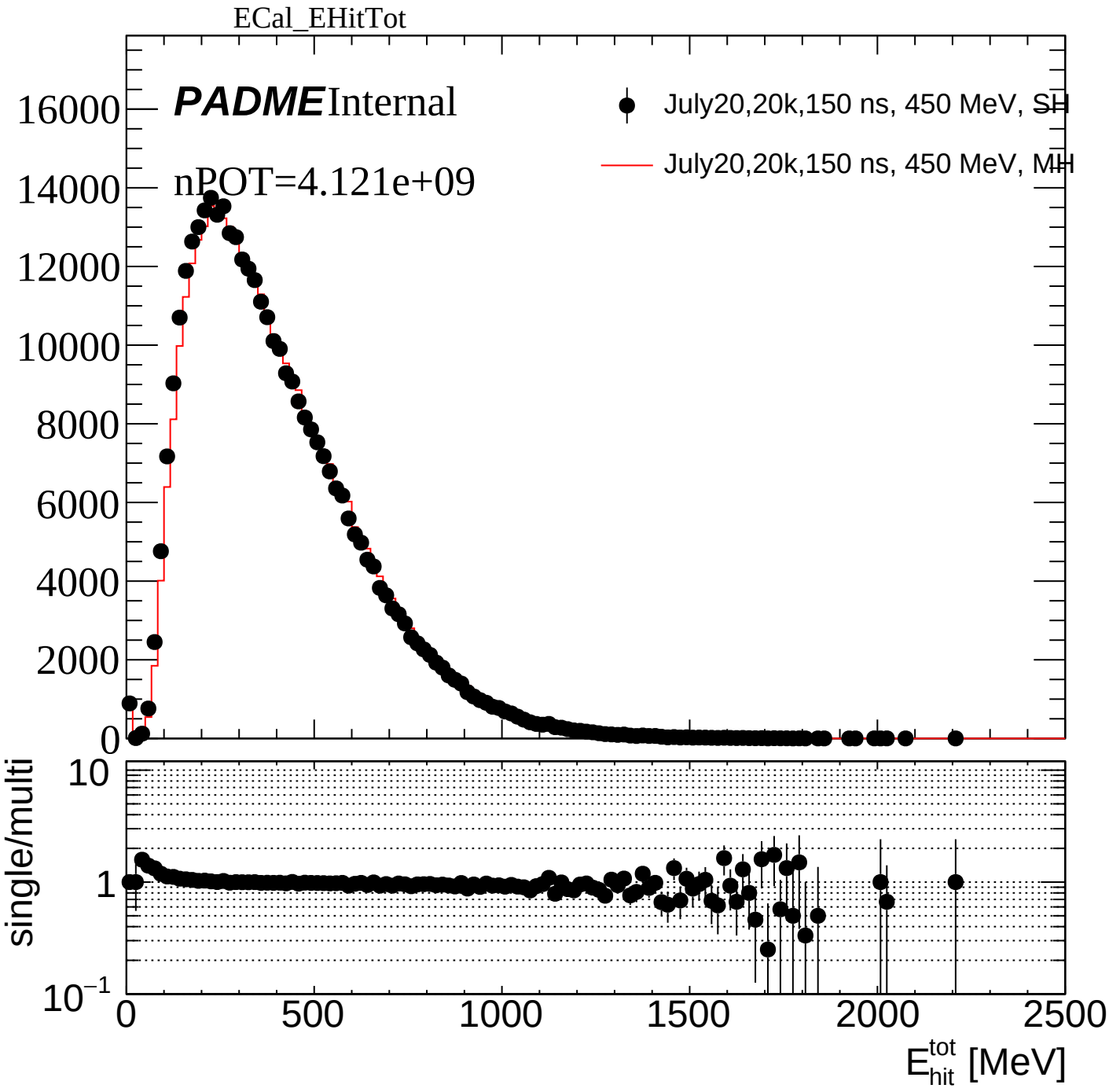

Target_Yprofile
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
80000
70000
60000
50000
40000
30000
20000
10000
0
single/multi
10
1
10^{-1}
0
2
4
6
8
10
12
14
16
18
20
Target yProfile

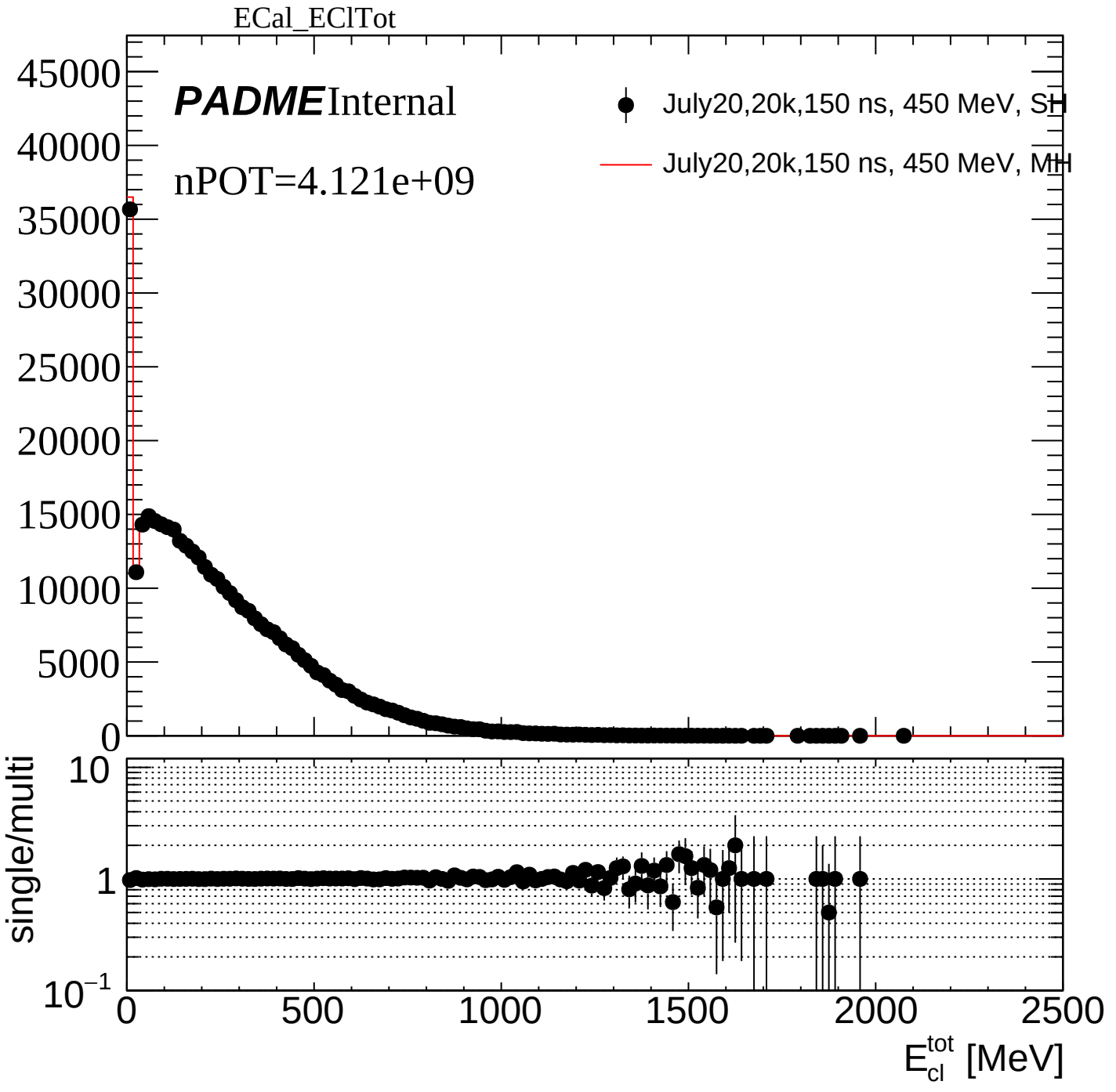

SS2g_nhits
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
50000
40000
30000
20000
10000
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
400
Number of ECal hits

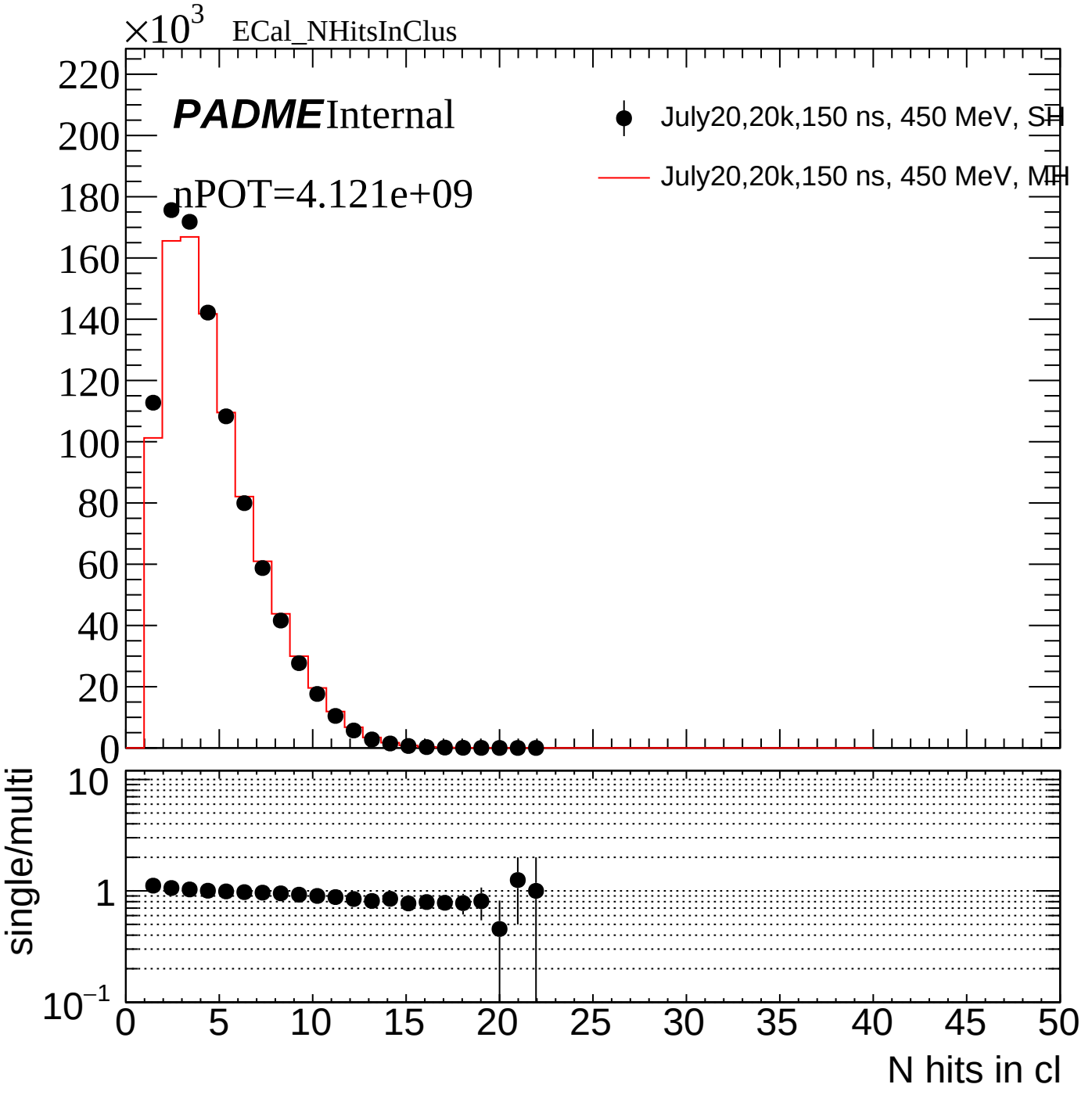

×10^3 SS2g_clSize
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^−1
0
5
10
15
20
25
30
Cluster size

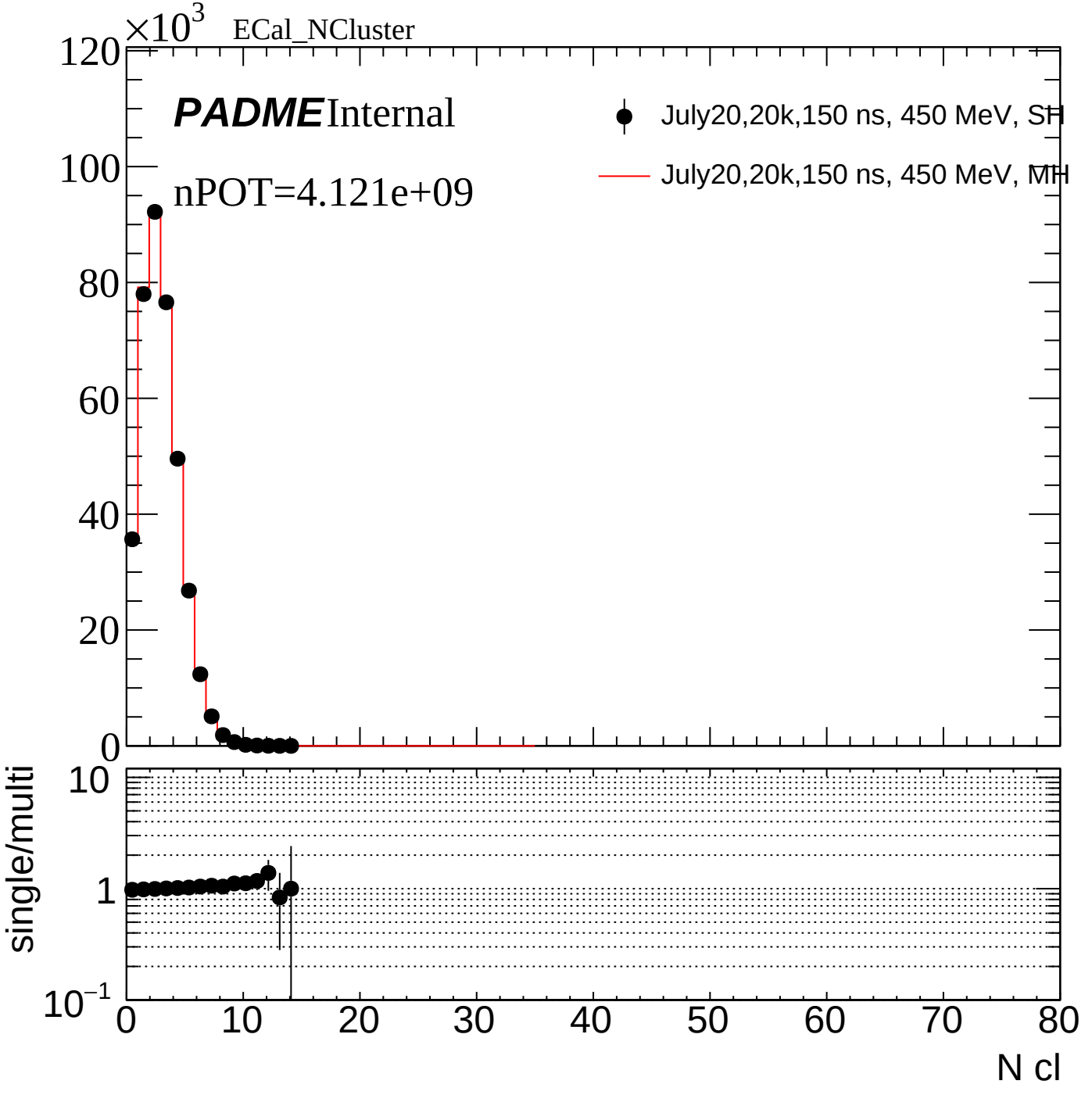

ECal_HitEnergy
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
E_hit [MeV]

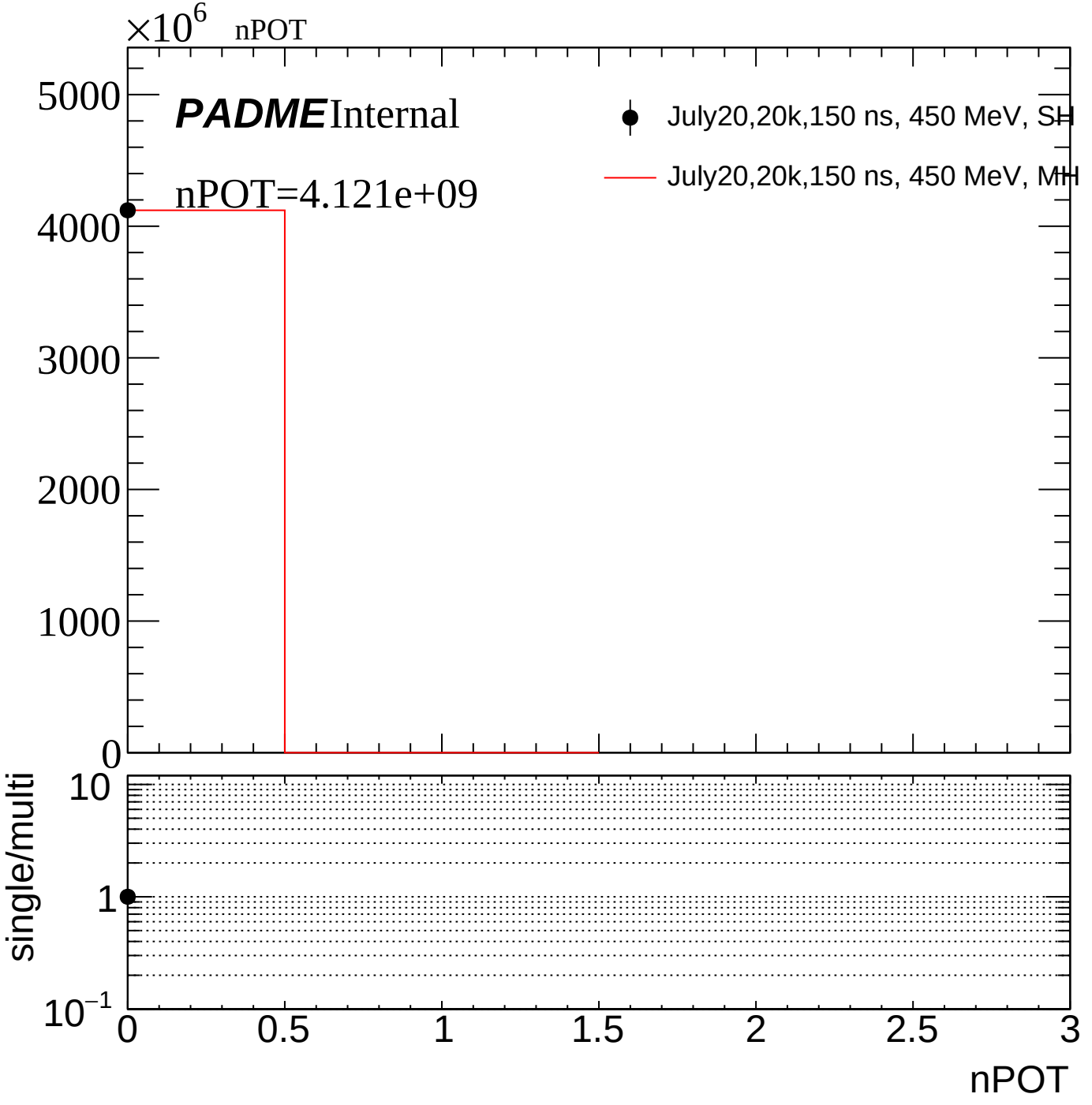

ECal_ClusterEnergy
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
E_cl [MeV]

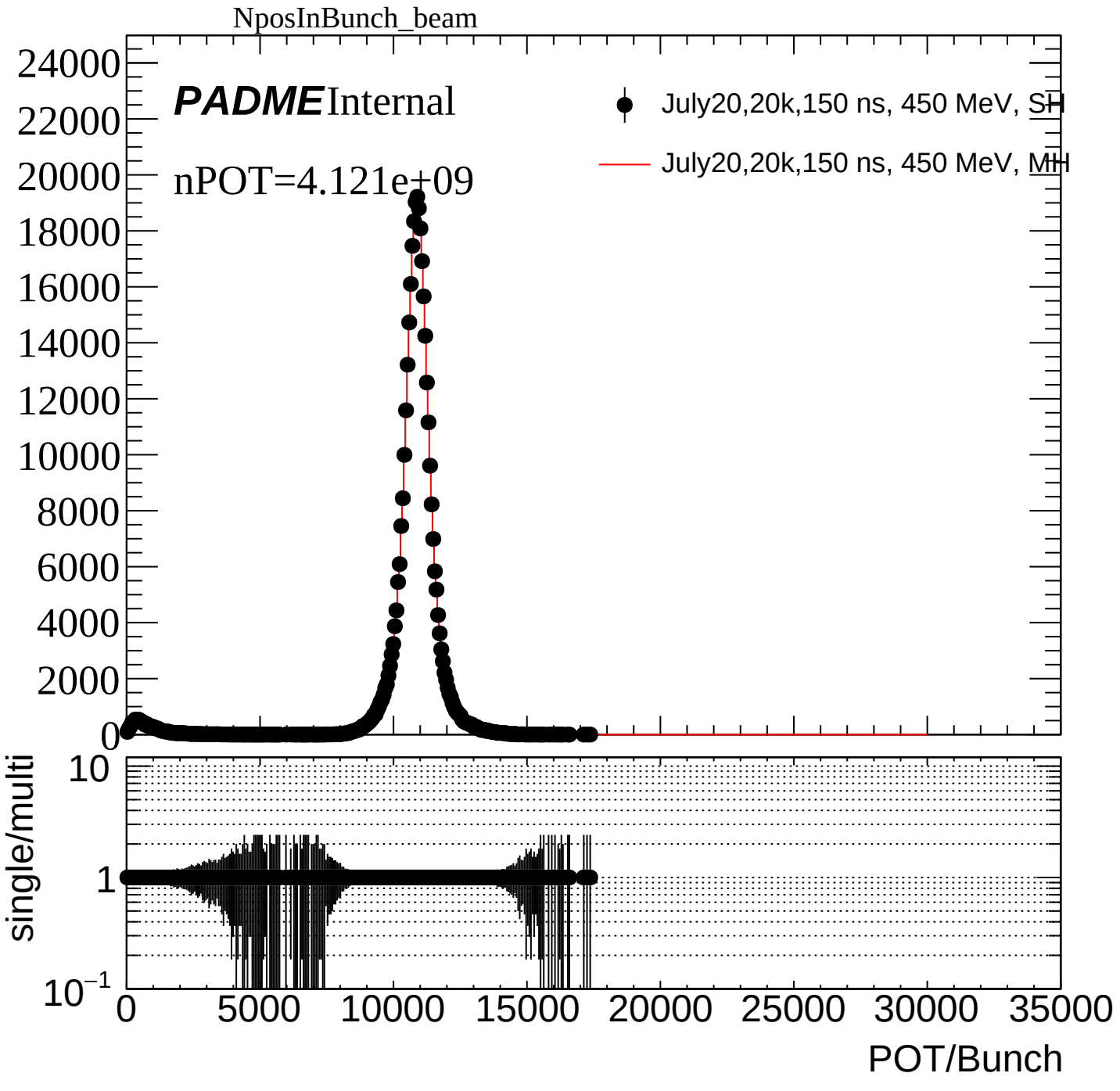

ECal_EHitTot
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
16000
14000
12000
10000
8000
6000
4000
2000
0
single/multi
10
1
10^{-1}
0
500
1000
1500
2000
2500
E_{hit}^{tot} [MeV]

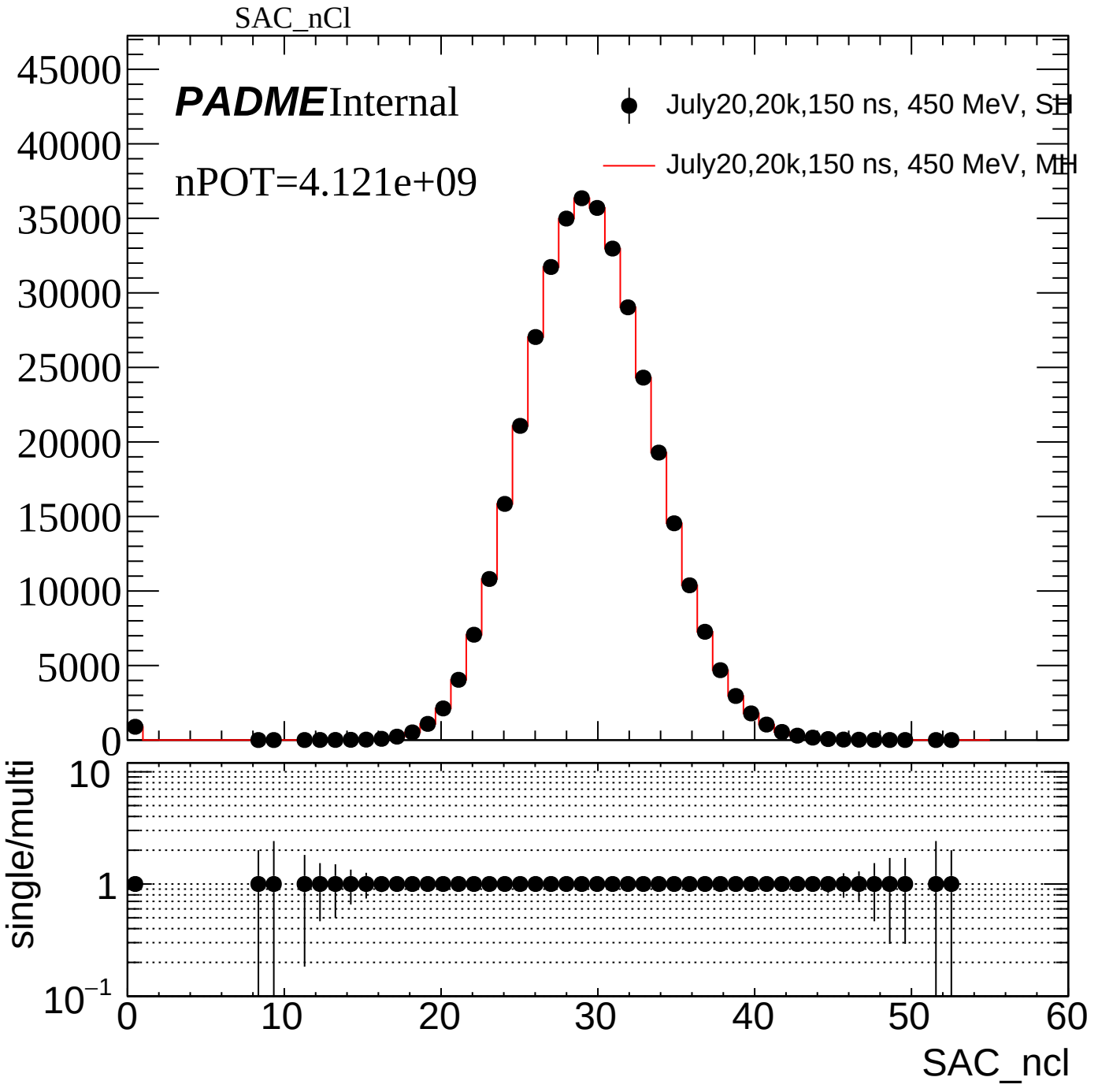

ECal_EClTot
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
single/multi
10
1
10^{-1}
0
500
1000
1500
2000
2500
E_{cl}^{tot} [MeV]

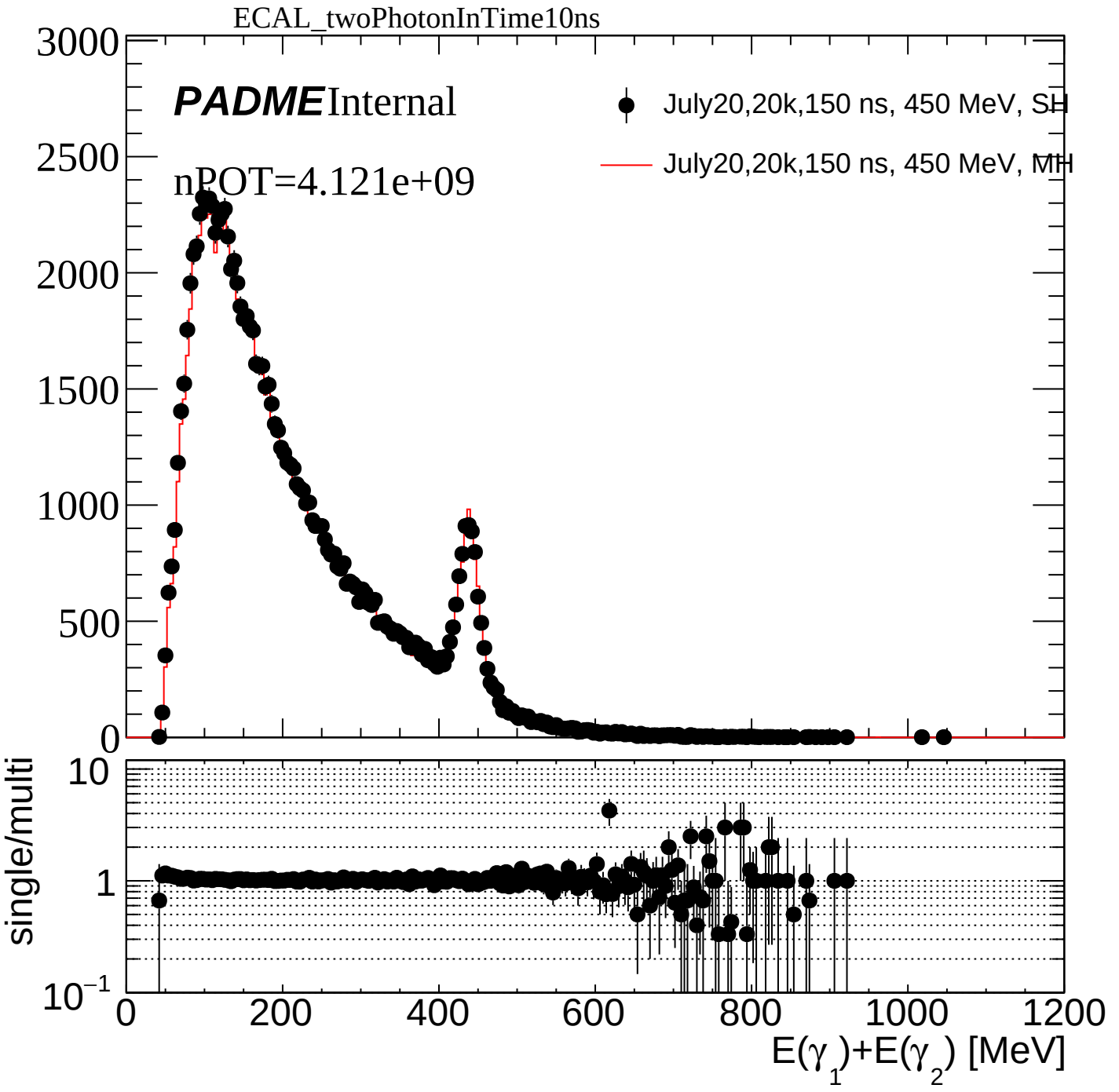

×10^3
ECal_NHitsInClus
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^−1
0
5
10
15
20
25
30
35
40
45
50
N hits in cl

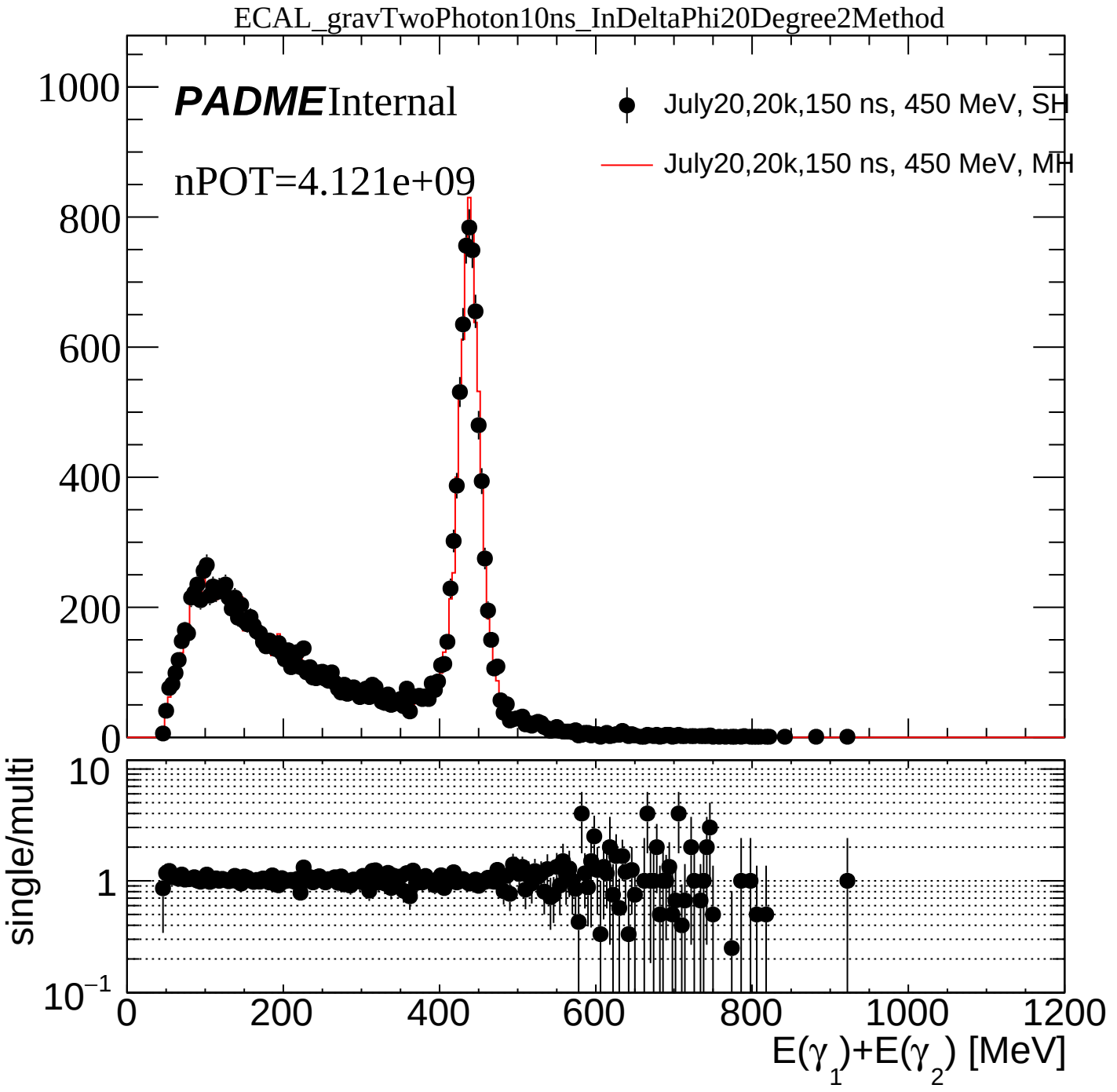

×10^3
ECal_NCluster
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
120
100
80
60
40
20
0
single/multi
10
1
10^−1
0
10
20
30
40
50
60
70
80
N cl

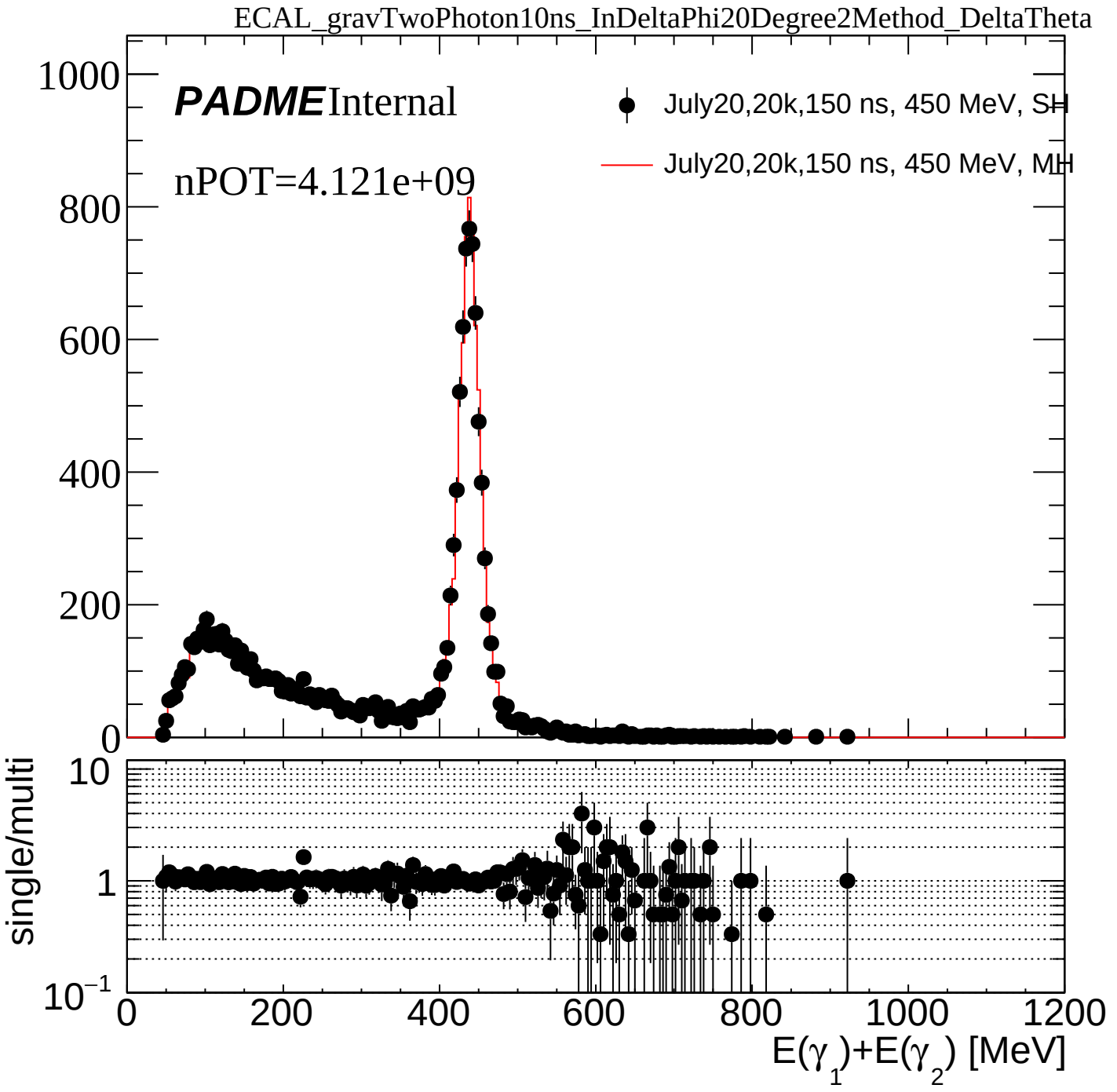

×10^6 nPOT
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
5000
4000
3000
2000
1000
0
single/multi
10
1
10^−1
0
0.5
1
1.5
2
2.5
3
nPOT

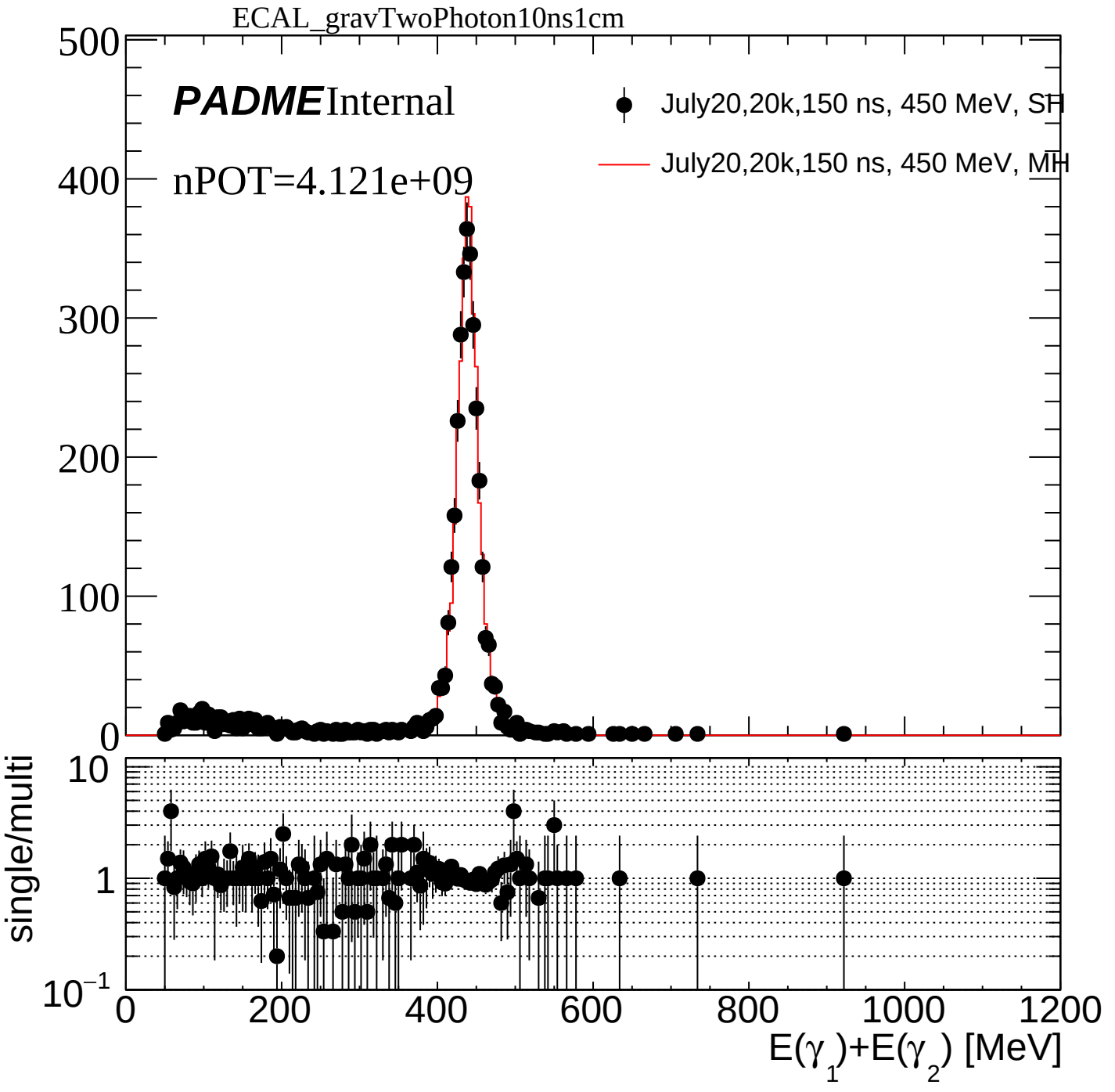

NposInBunch_beam
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
single/multi
10
1
10^{-1}
0
5000
10000
15000
20000
25000
30000
35000
POT/Bunch

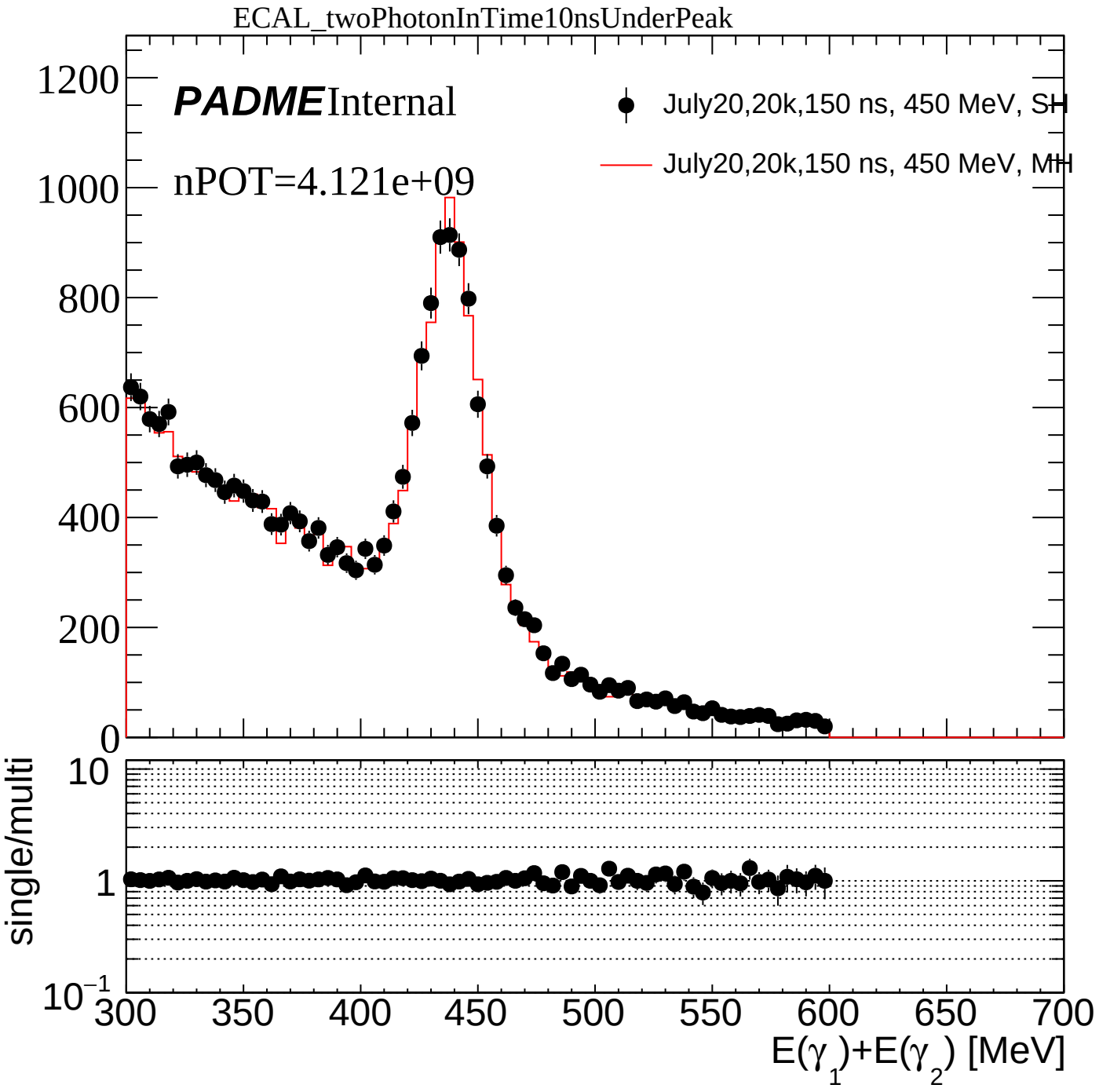

SAC_nCl
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
single/multi
10
1
10^{-1}
0
10
20
30
40
50
60
SAC_ncl

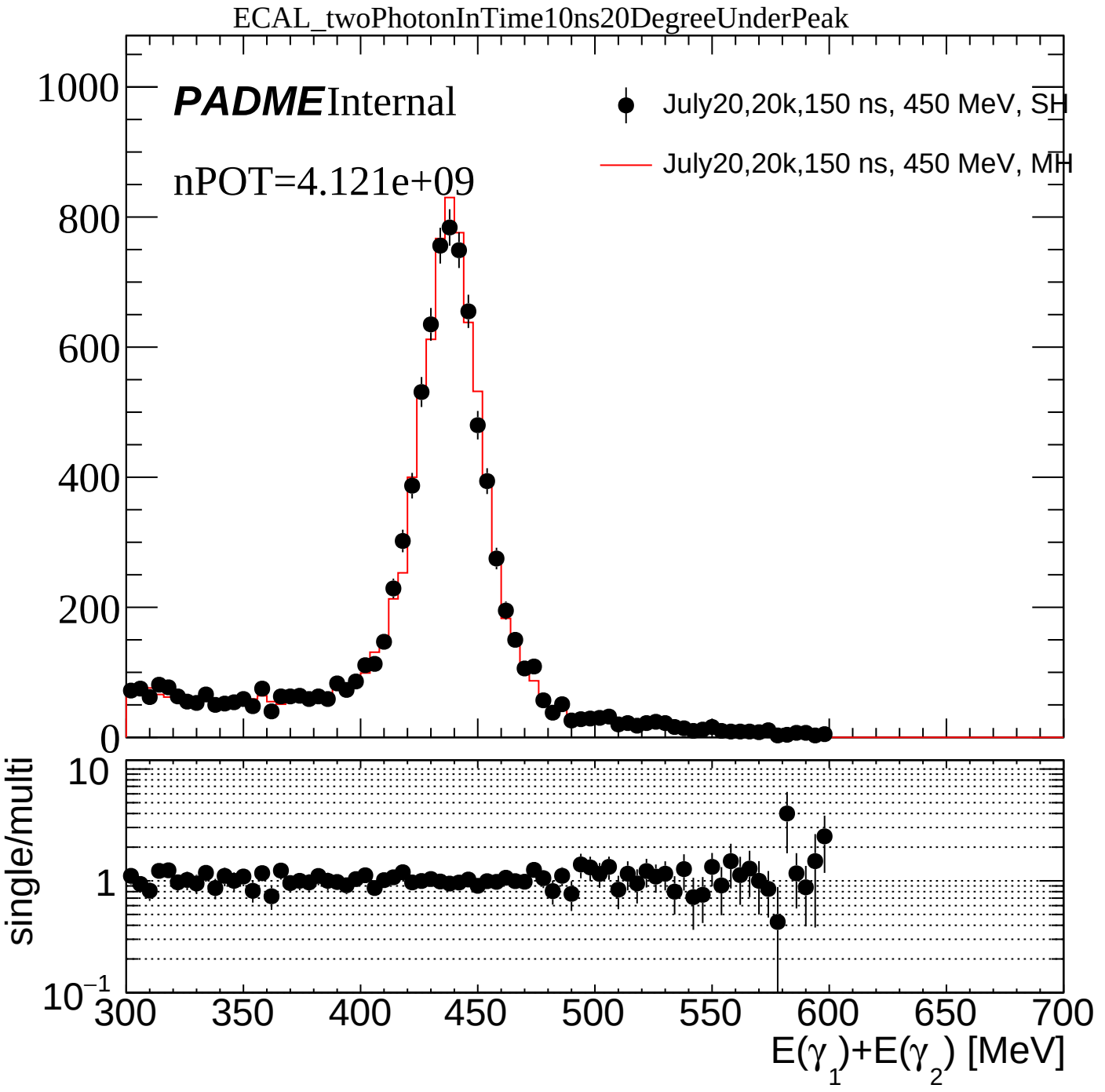

ECAL_twoPhotonInTime10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

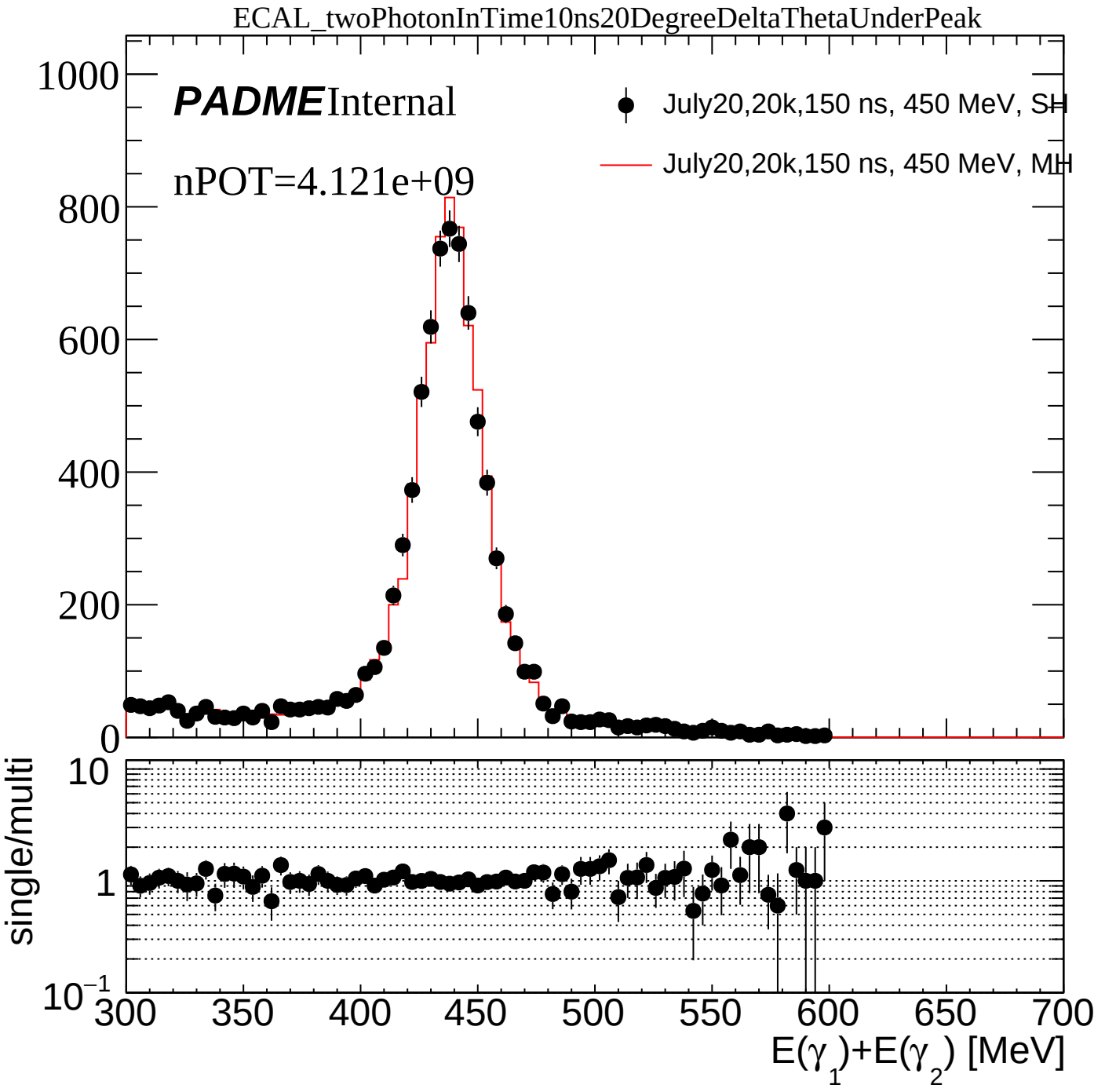

ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]

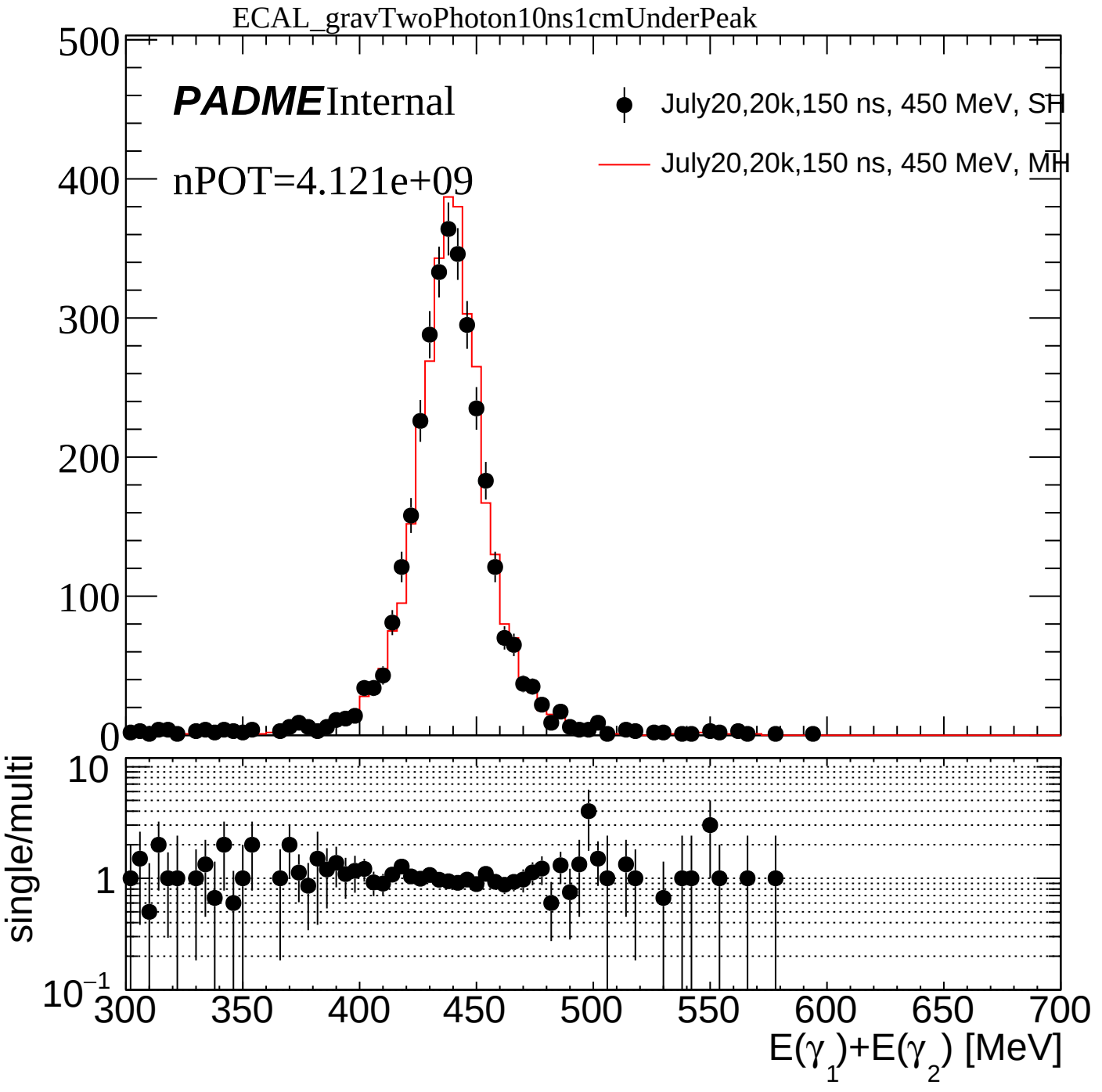

ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method_DeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]

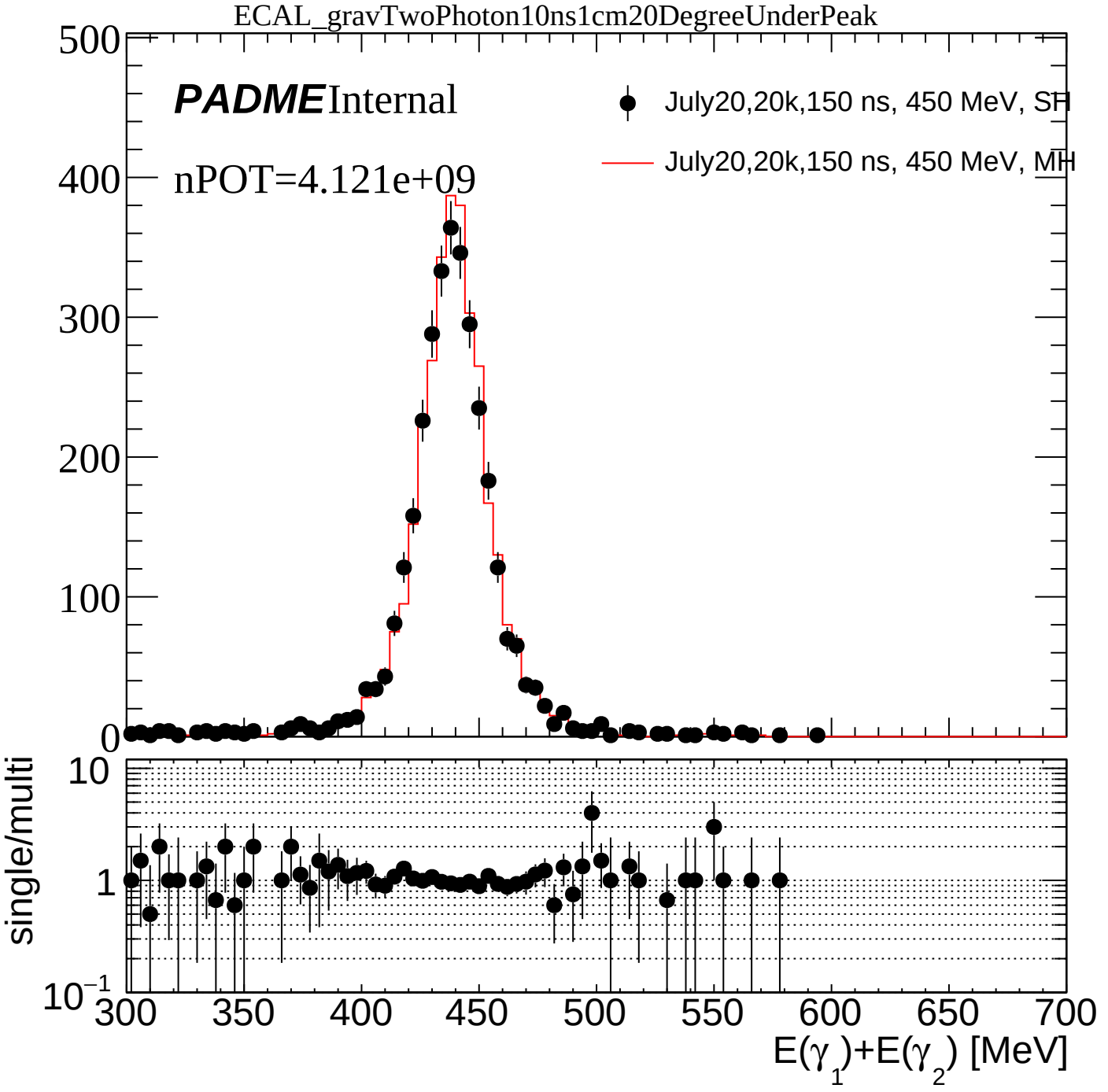

ECAL_gravTwoPhoton10ns1cm
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

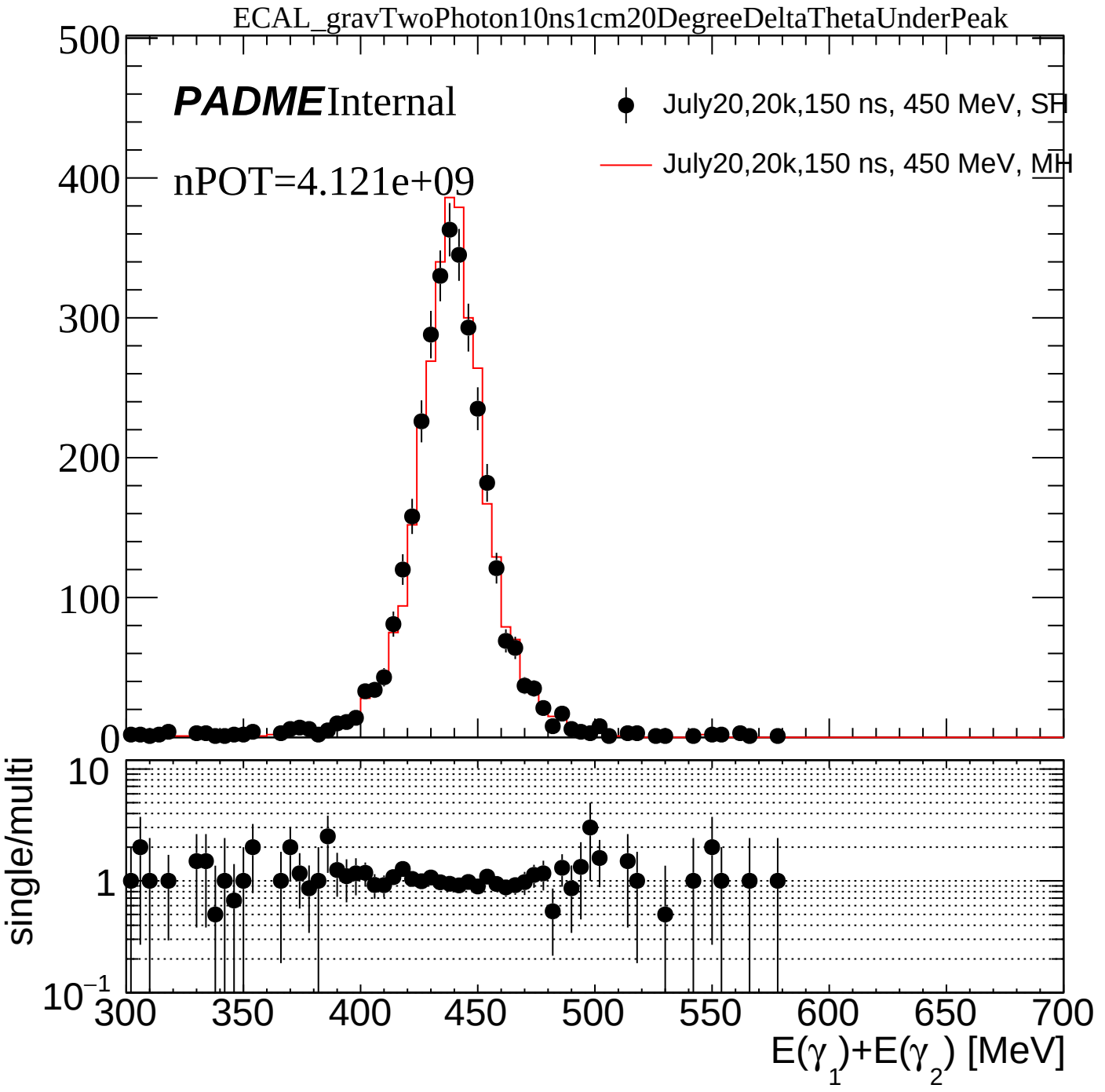

ECAL_twoPhotonInTime10nsUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
300
350
400
450
500
550
600
650
700
$E(\gamma_1)+E(\gamma_2)$ [MeV]

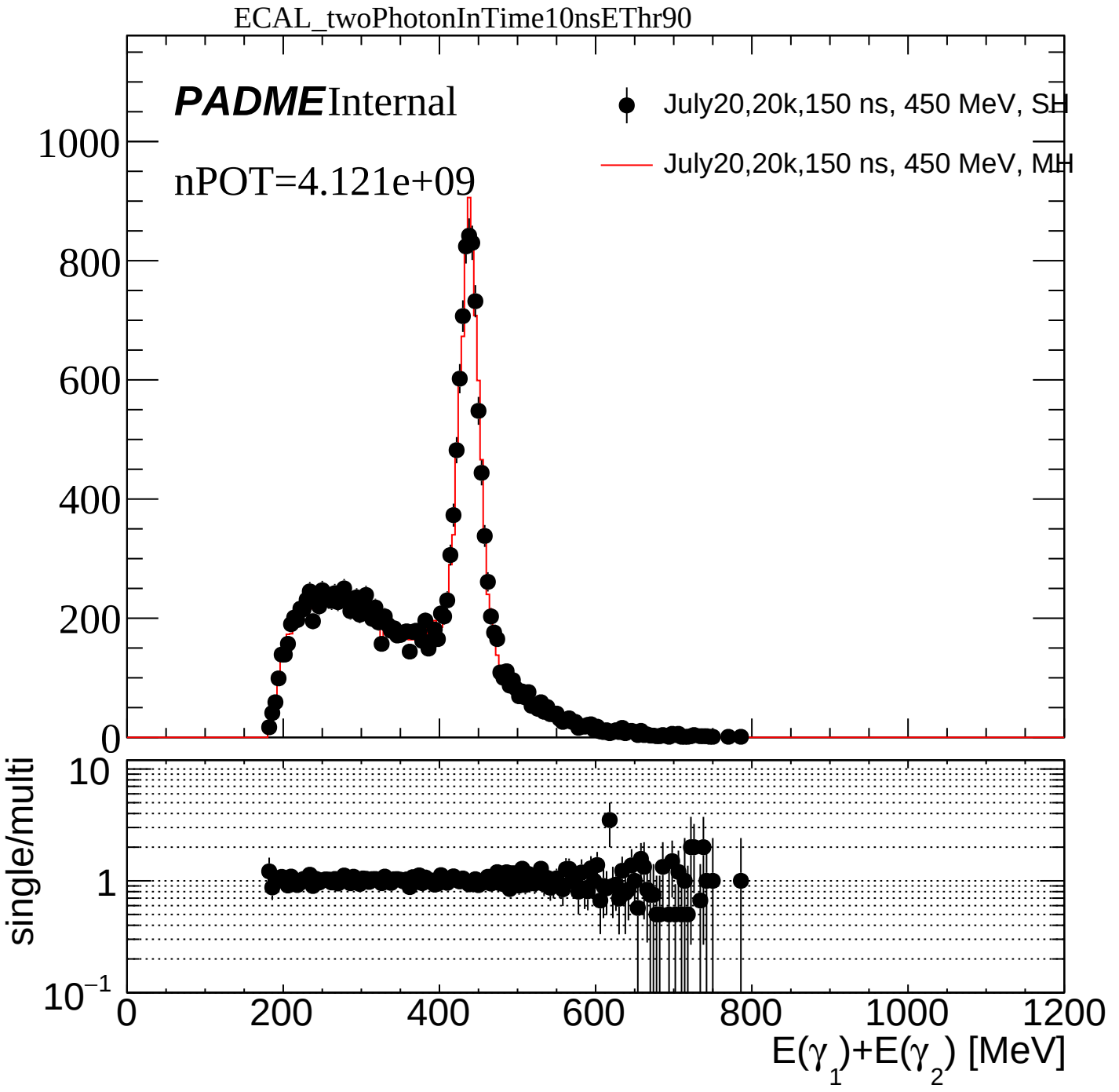

ECAL_twoPhotonInTime10ns20DegreeUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
300
350
400
450
500
550
600
650
700
E(γ1)+E(γ2) [MeV]

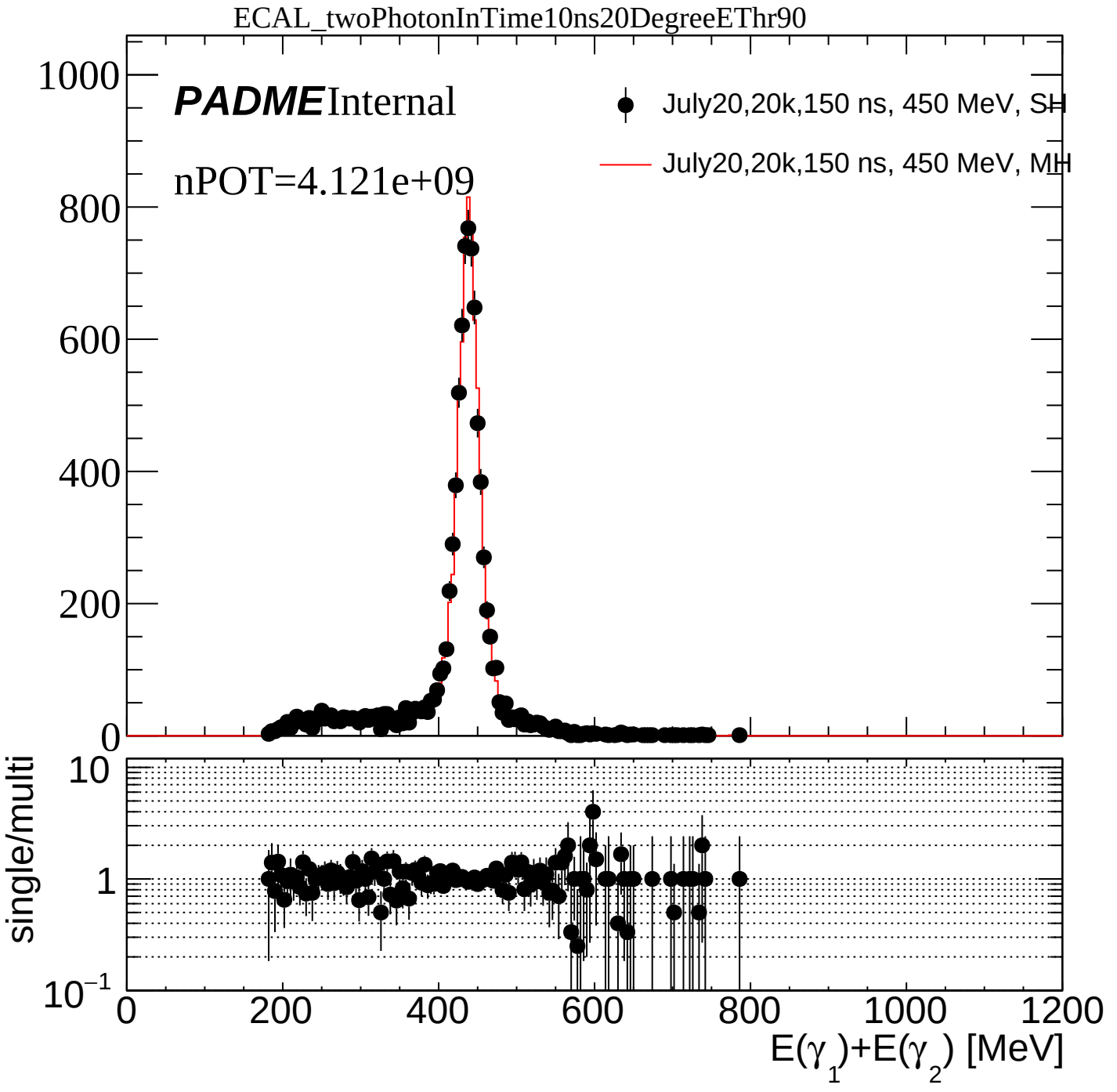

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
300
350
400
450
500
550
600
650
700
E(γ1)+E(γ2) [MeV]

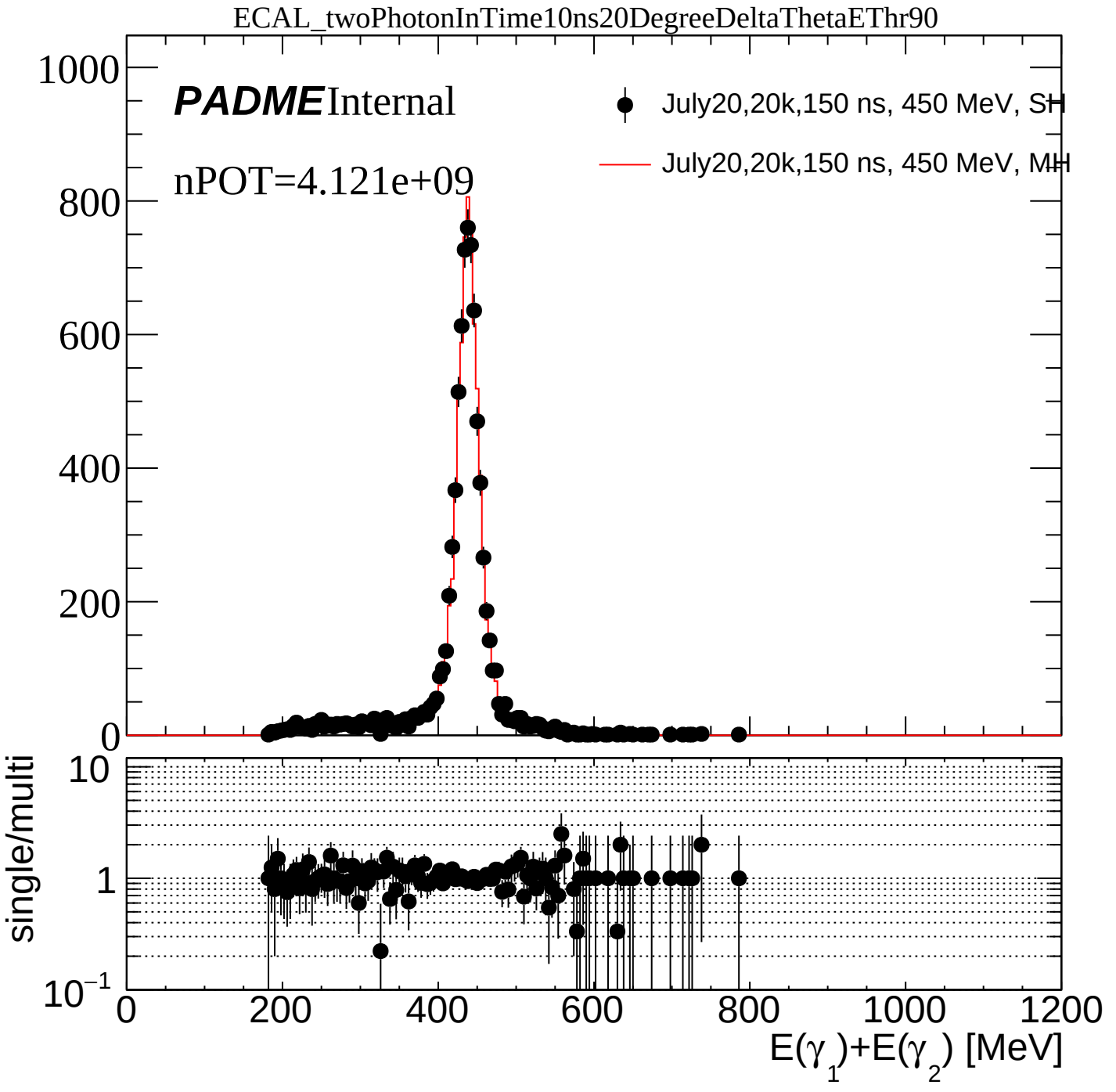

ECAL_gravTwoPhoton10ns1cmUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
300
350
400
450
500
550
600
650
700
$E(\gamma_1)+E(\gamma_2)$ [MeV]

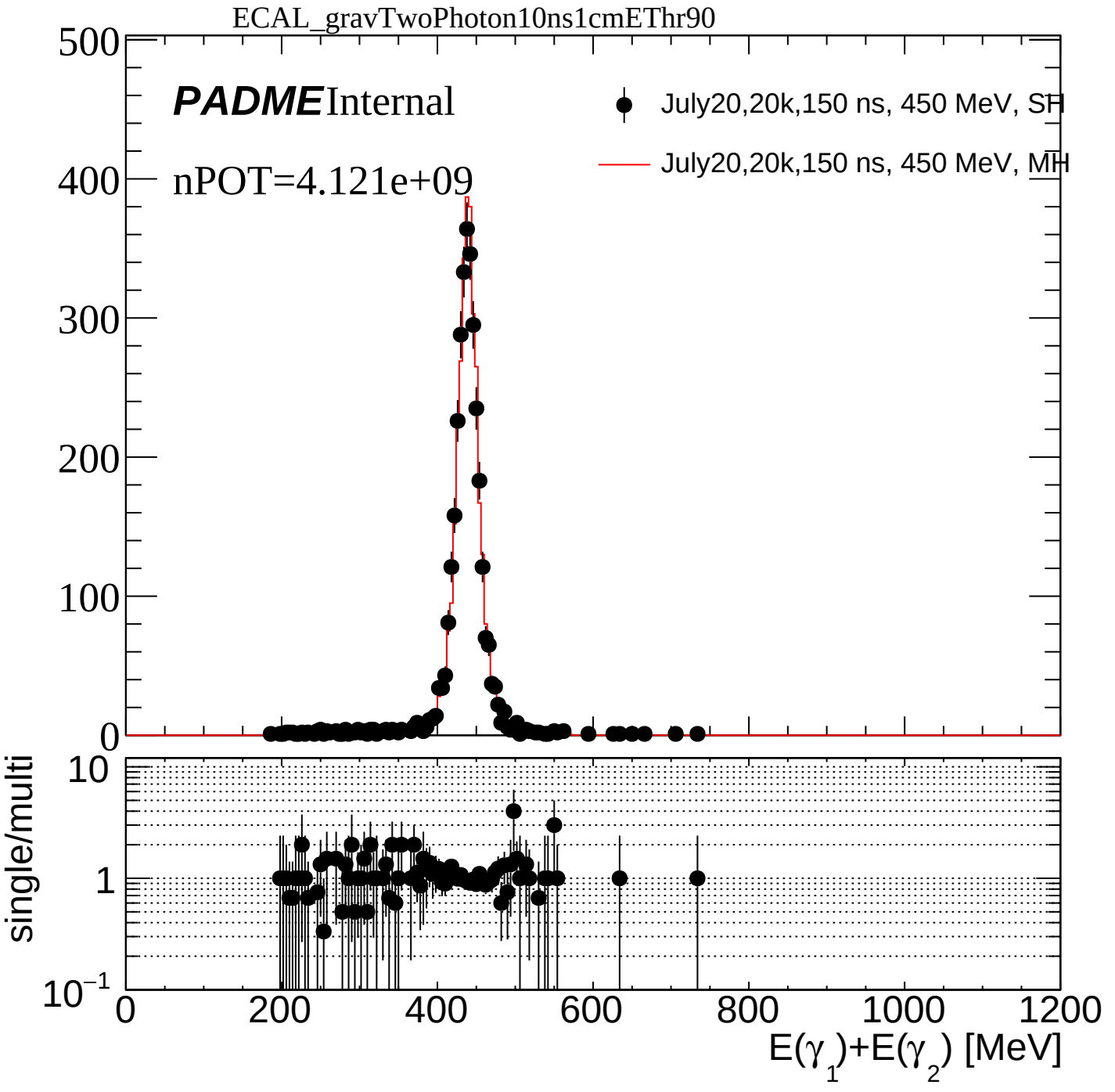

ECAL_gravTwoPhoton10ns1cm20DegreeUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
300
350
400
450
500
550
600
650
700
$E(\gamma_1)+E(\gamma_2)$ [MeV]

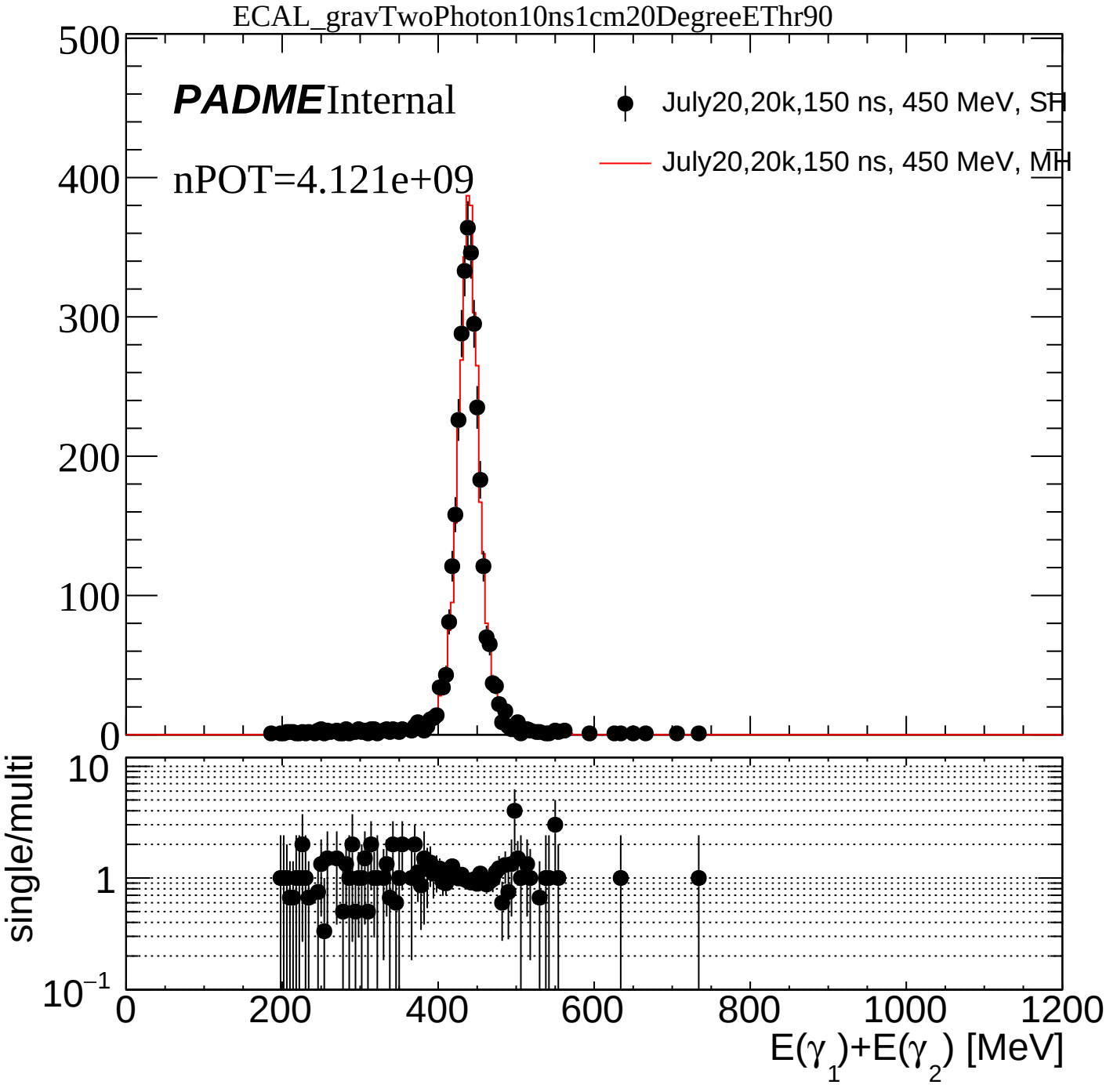

ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
300
350
400
450
500
550
600
650
700
$E(\gamma_1)+E(\gamma_2)$ [MeV]

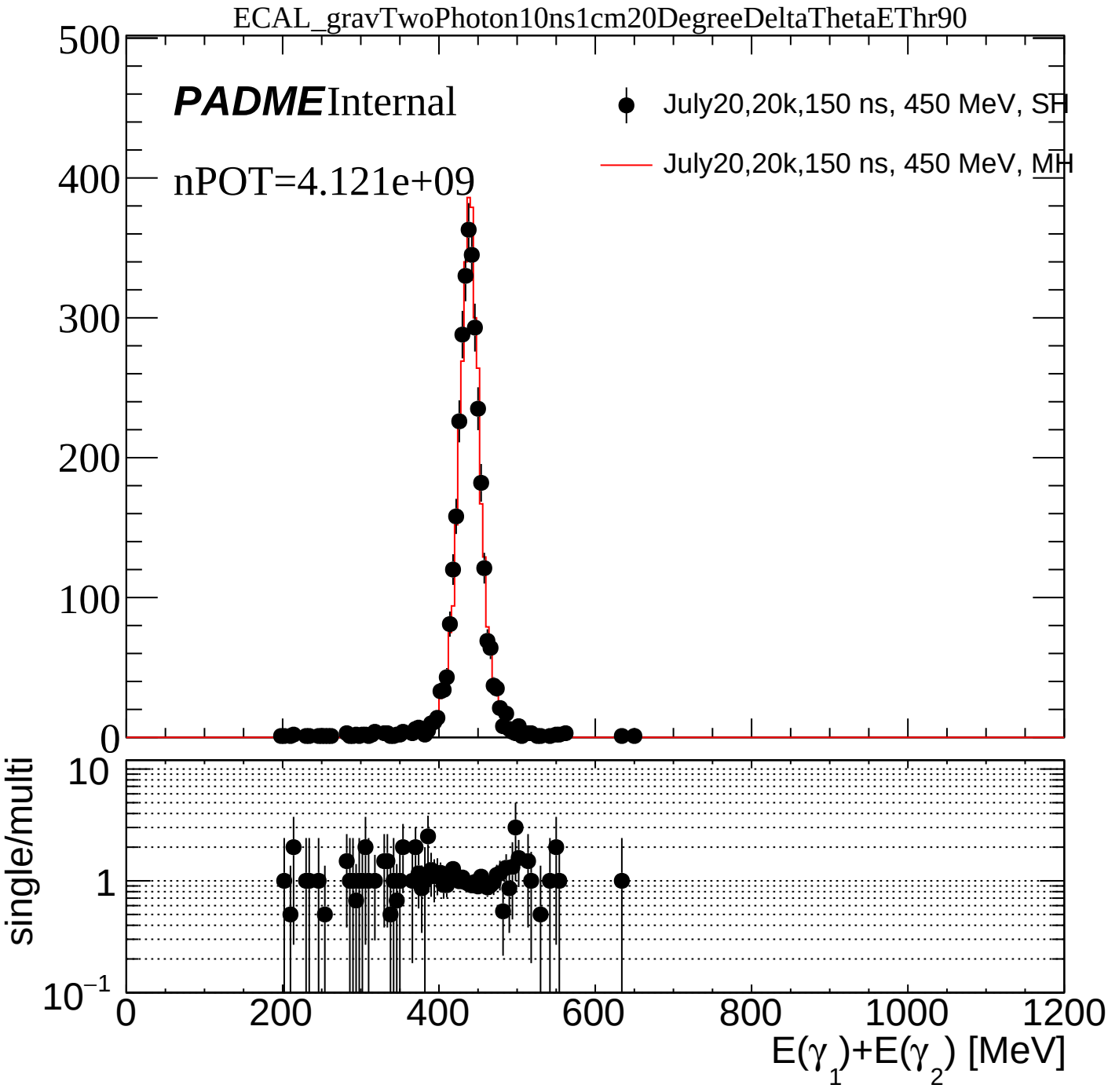

ECAL_twoPhotonInTime10nsEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

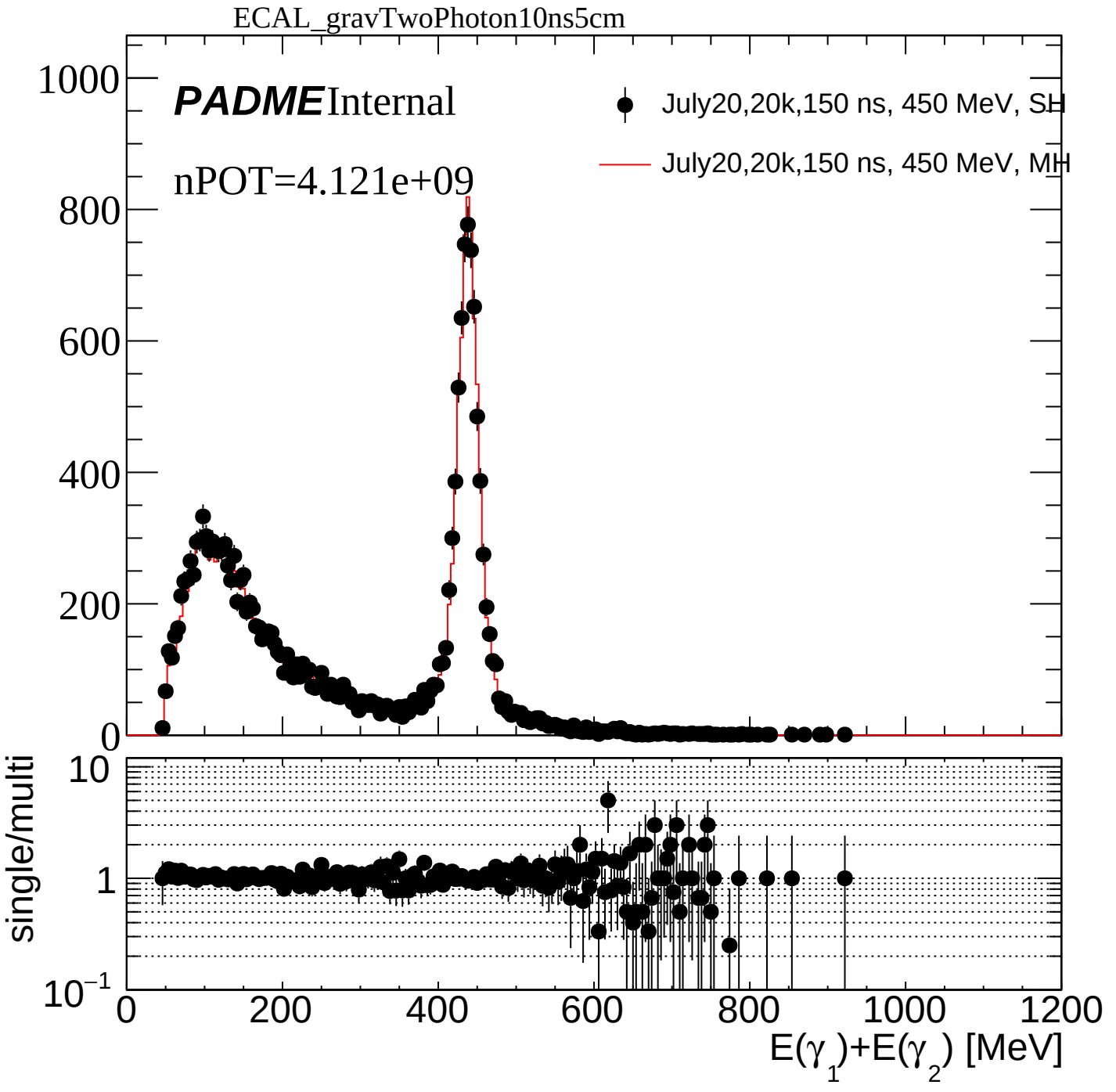

ECAL_twoPhotonInTime10ns20DegreeEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

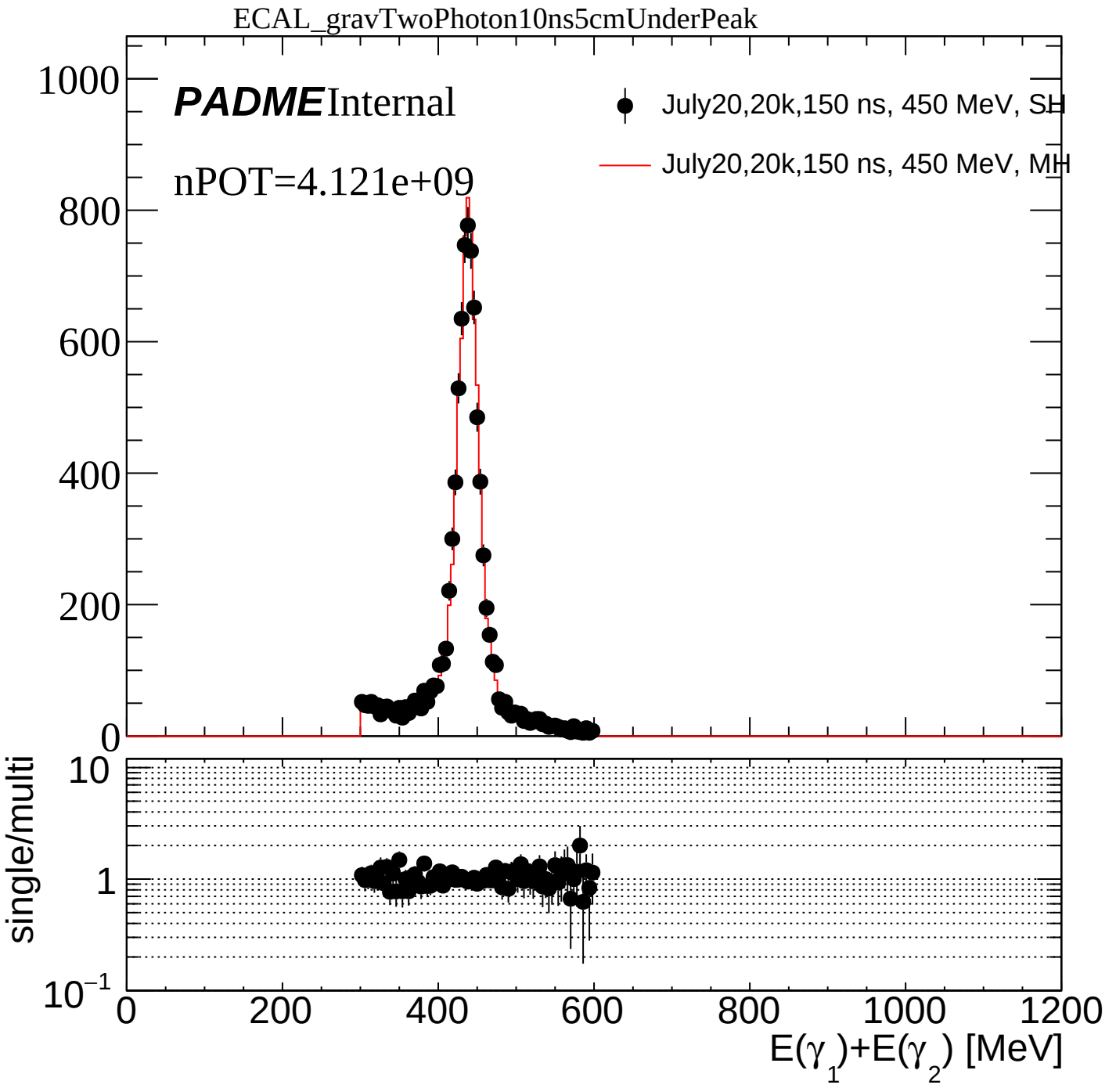

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

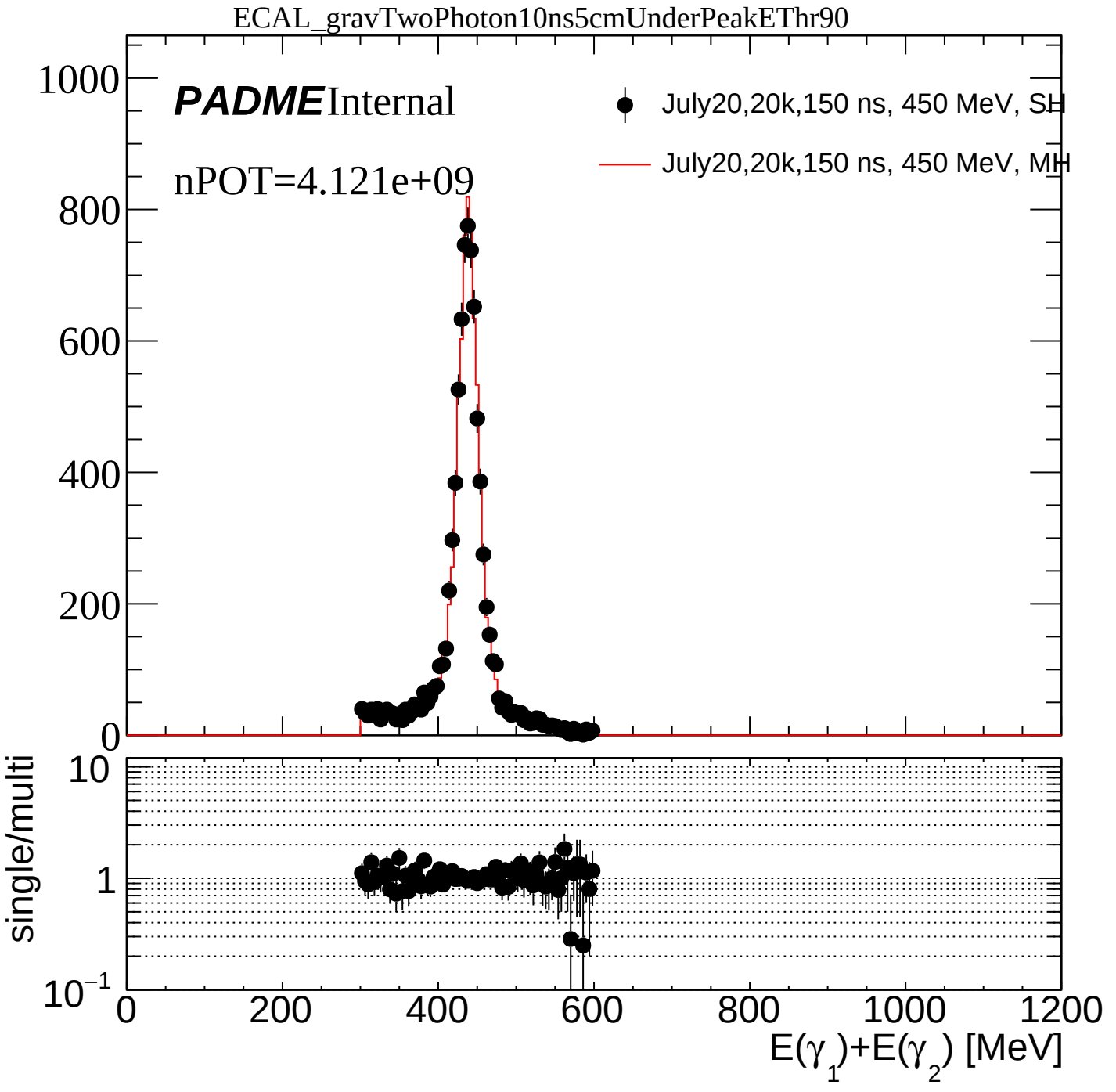

ECAL_gravTwoPhoton10ns1cmEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

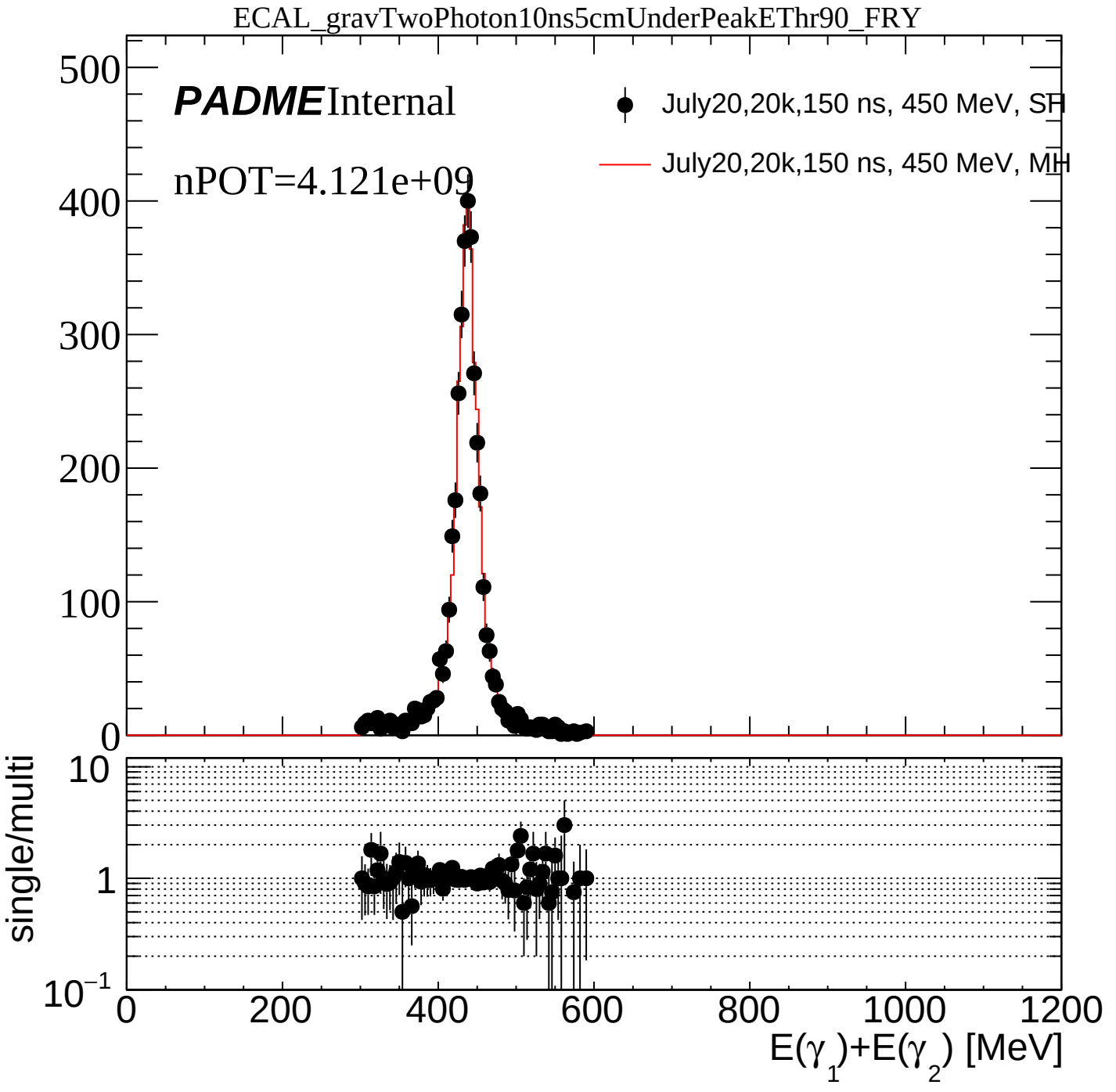

ECAL_gravTwoPhoton10ns1cm20DegreeEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

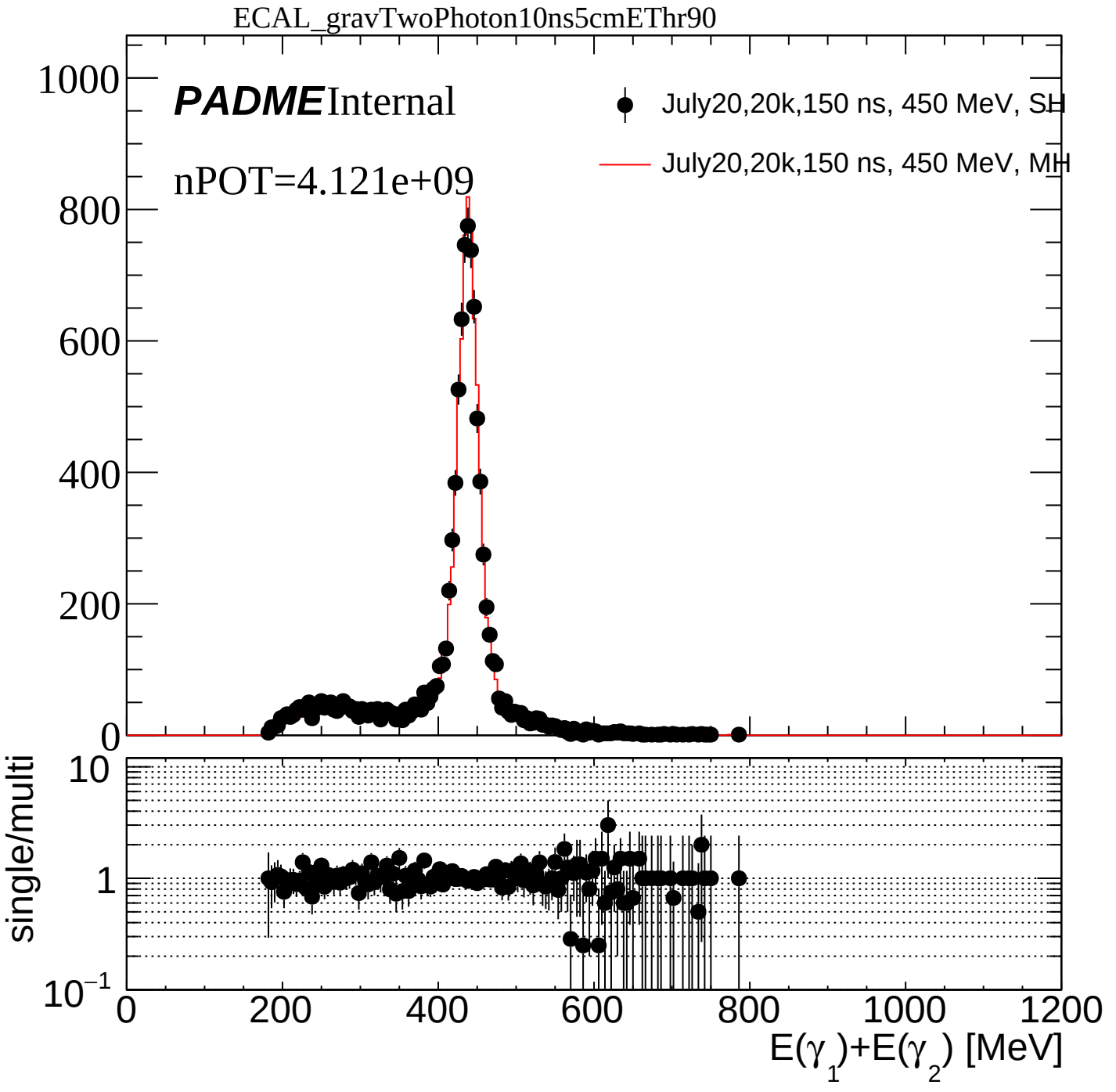

ECAL_gravTwoPhoton10ns1cm20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

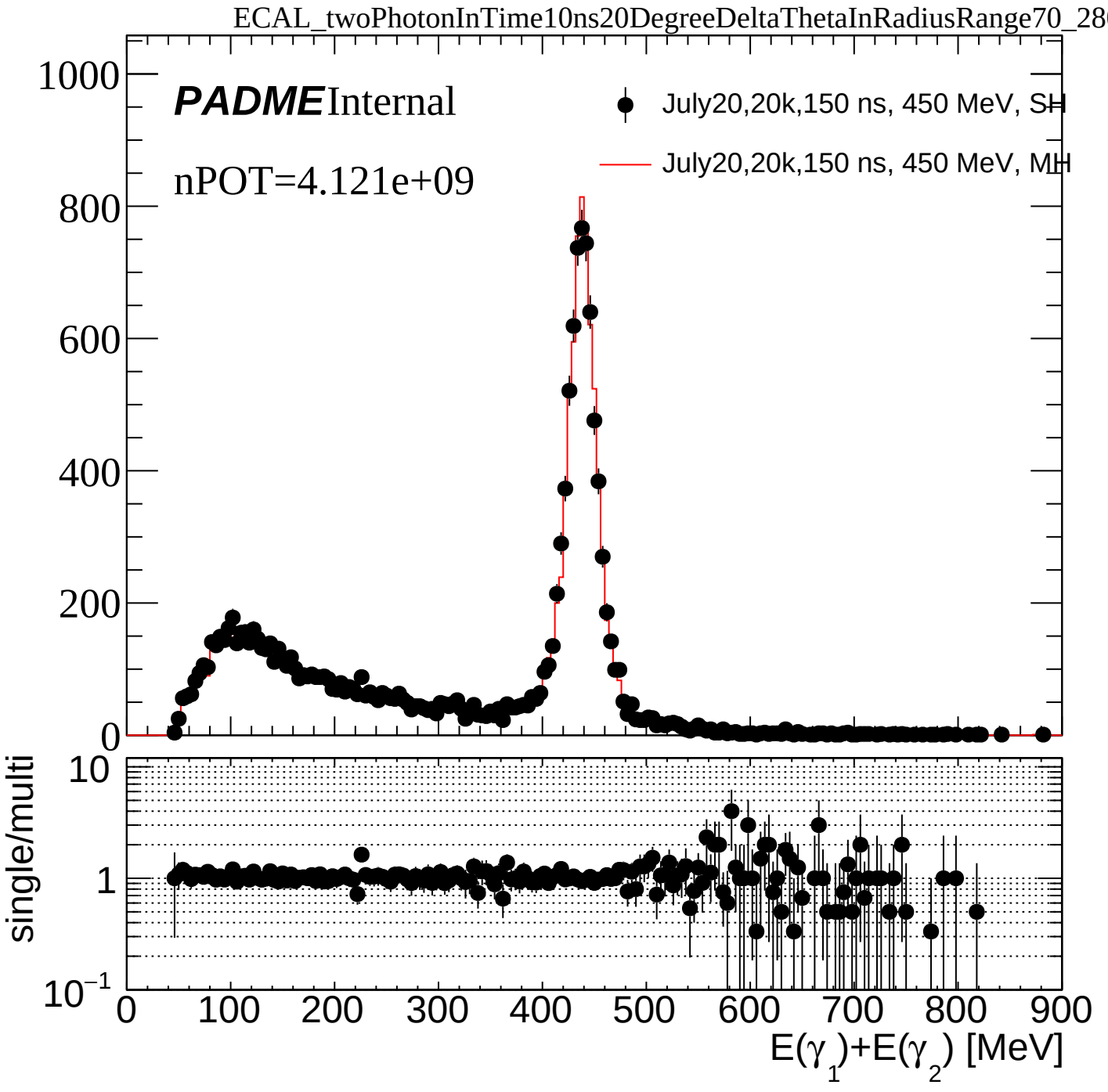

ECAL_gravTwoPhoton10ns5cm
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

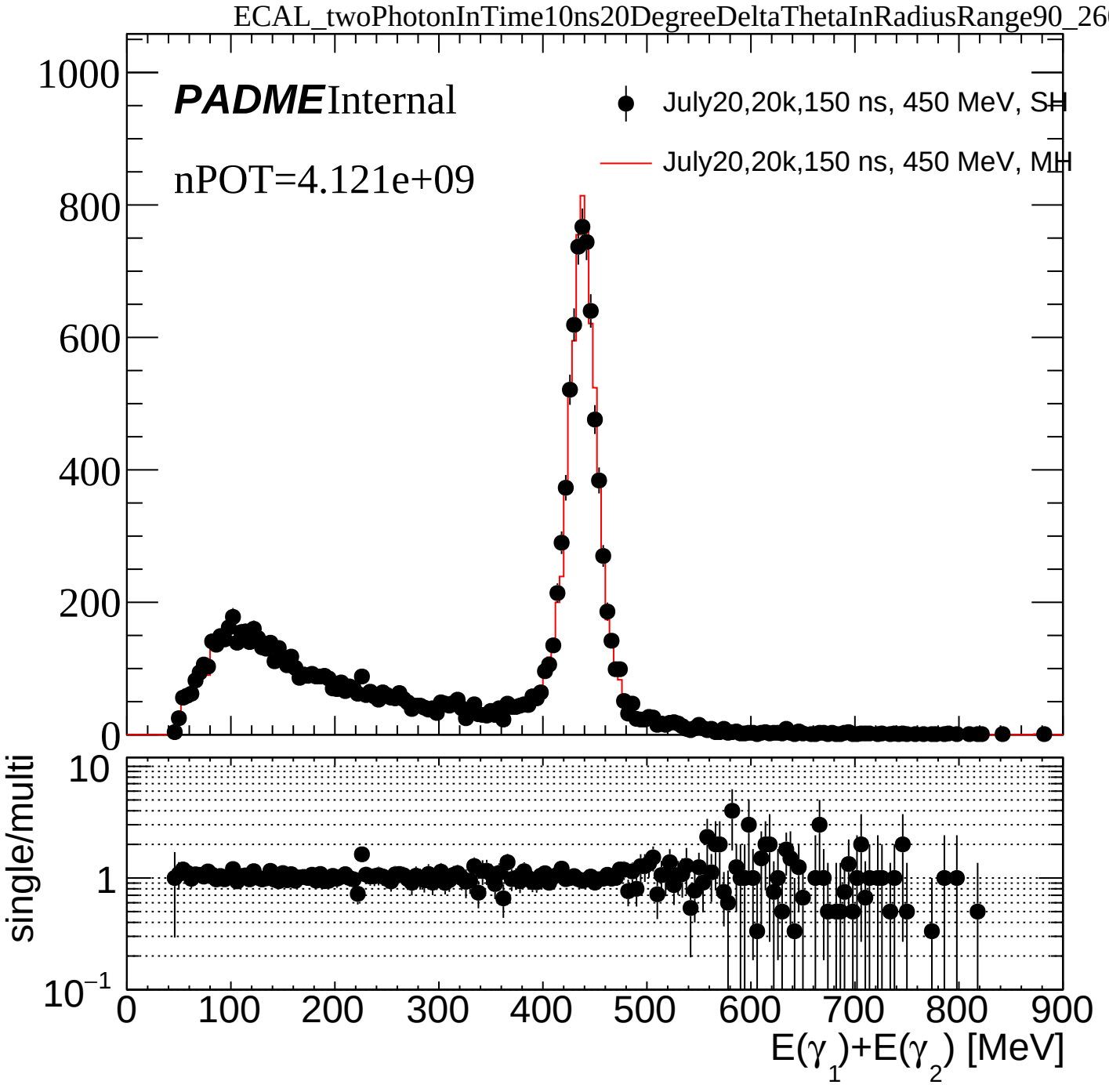

ECAL_gravTwoPhoton10ns5cmUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

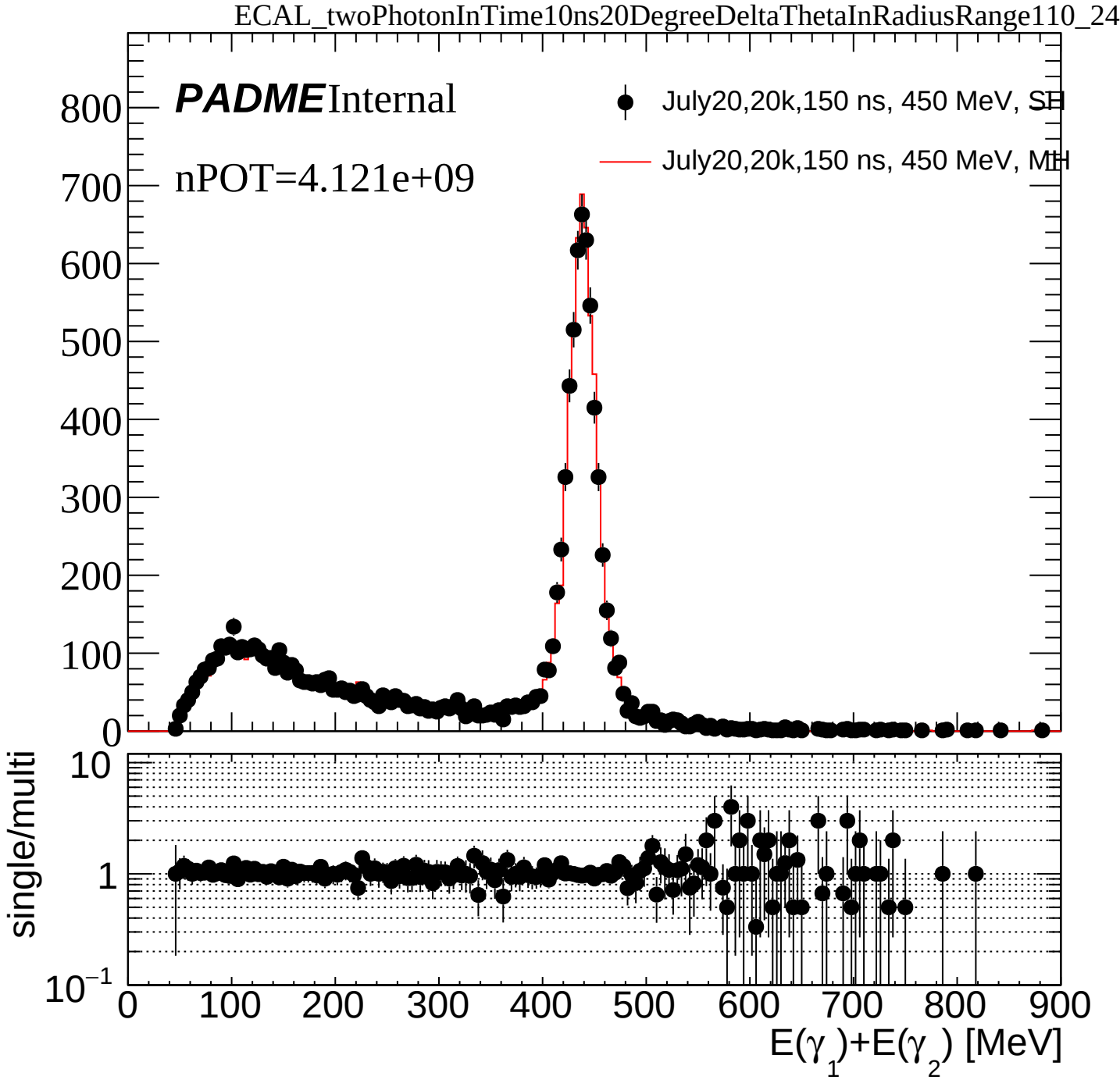

ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]

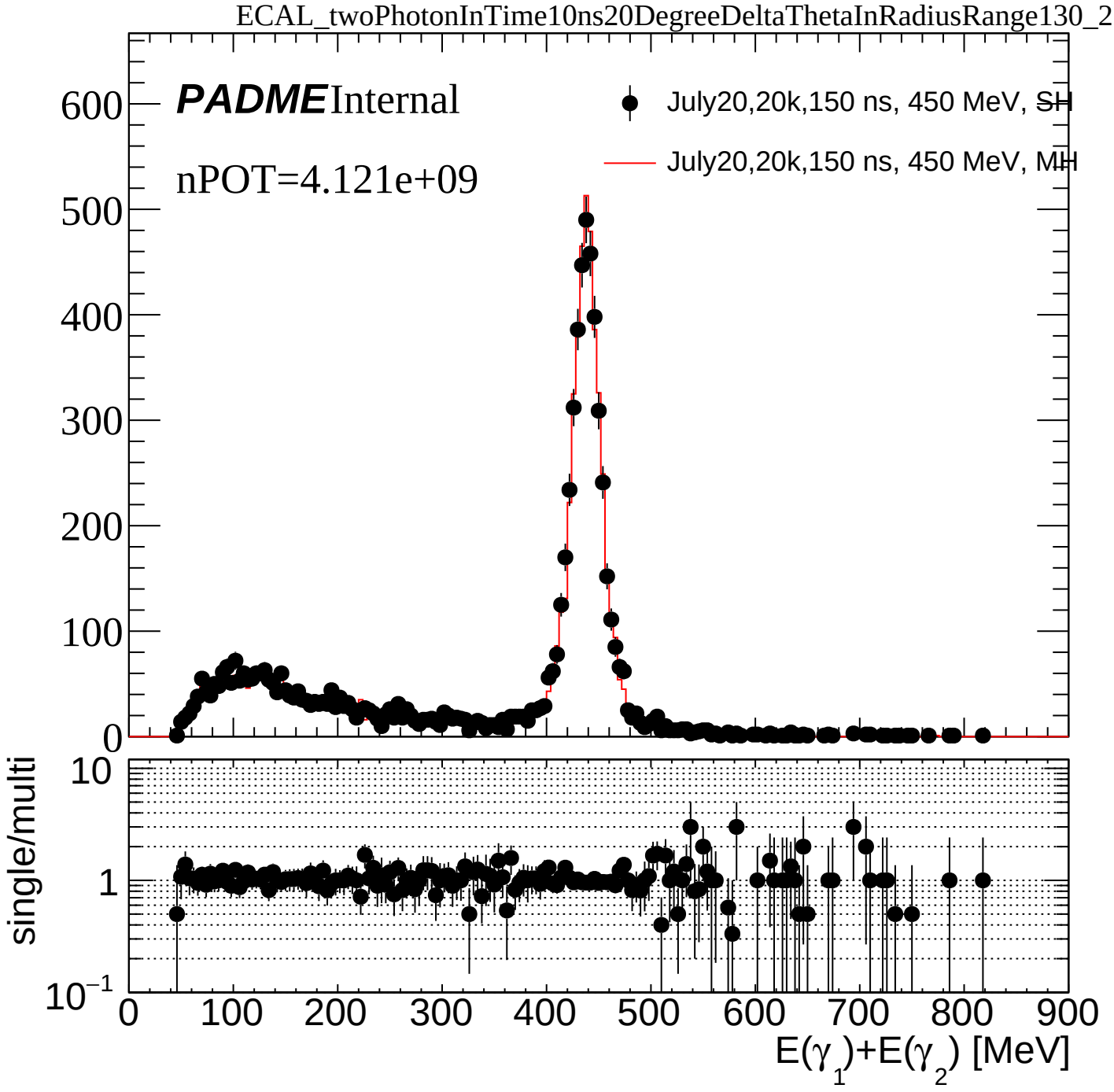

ECAL_gravTwoPhoton10ns5cmUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

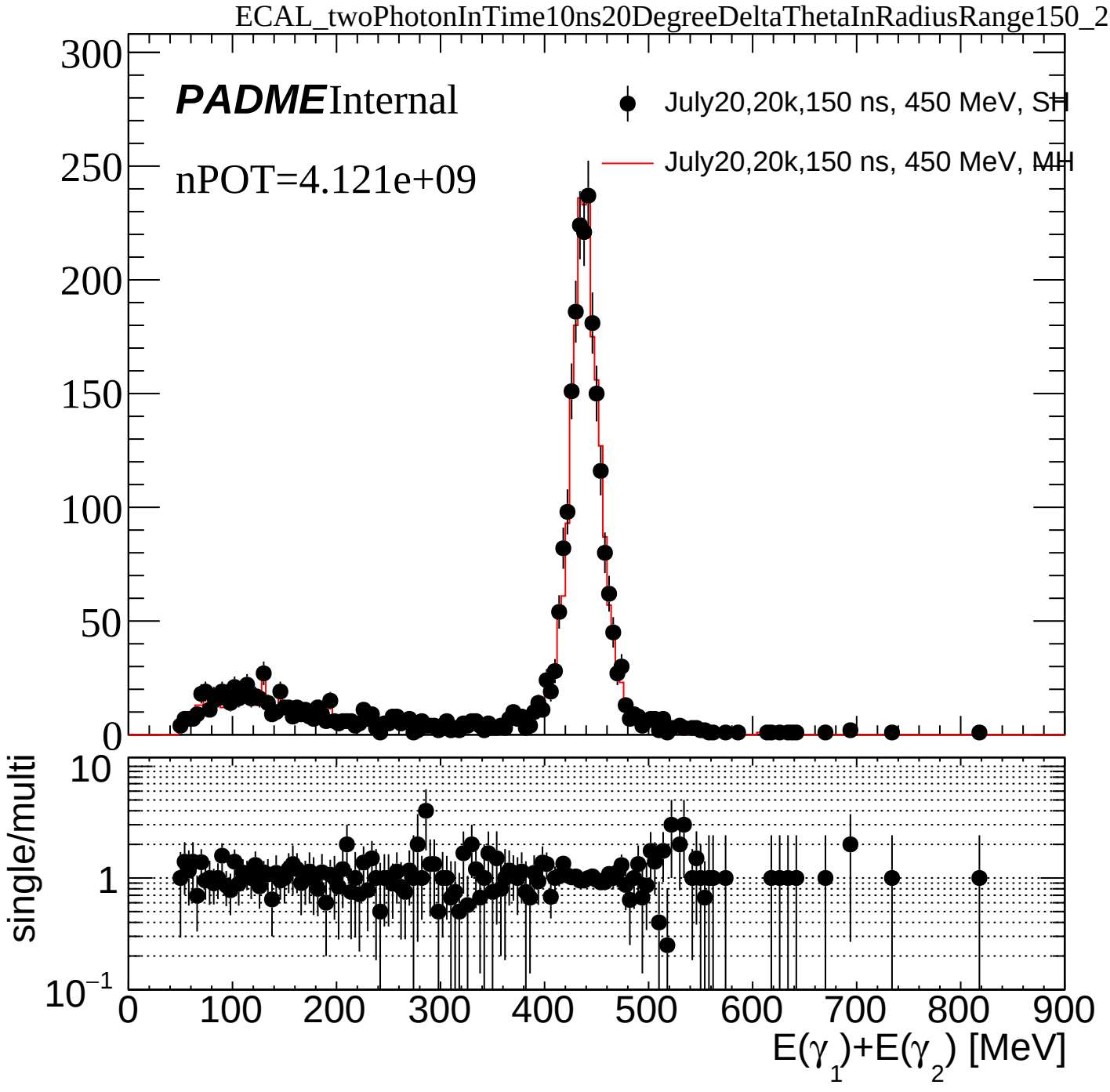

ECAL_gravTwoPhoton10ns5cmEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
200
400
600
800
1000
1200
$E(\gamma_1)+E(\gamma_2)$ [MeV]

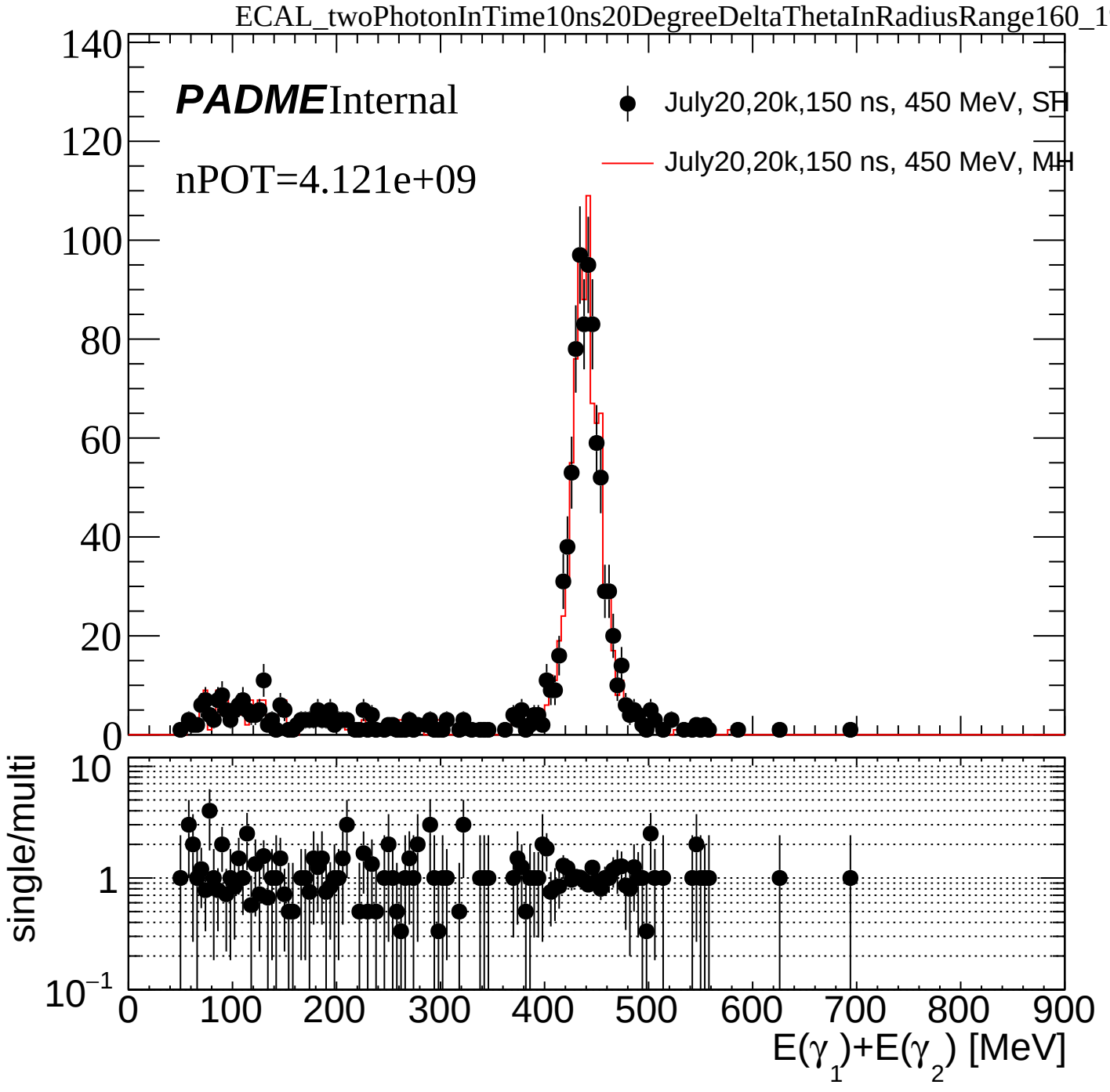

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

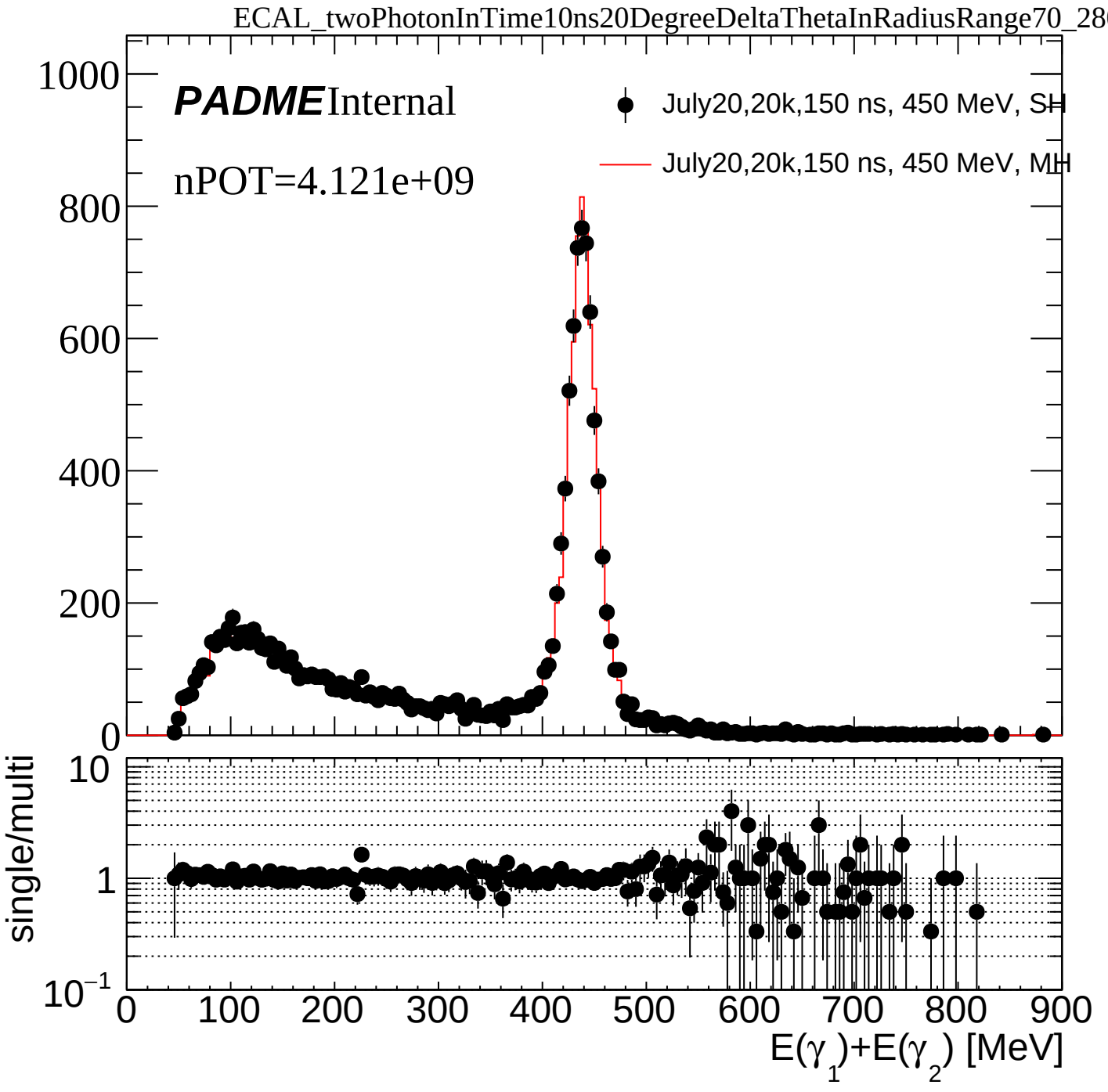

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_260
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

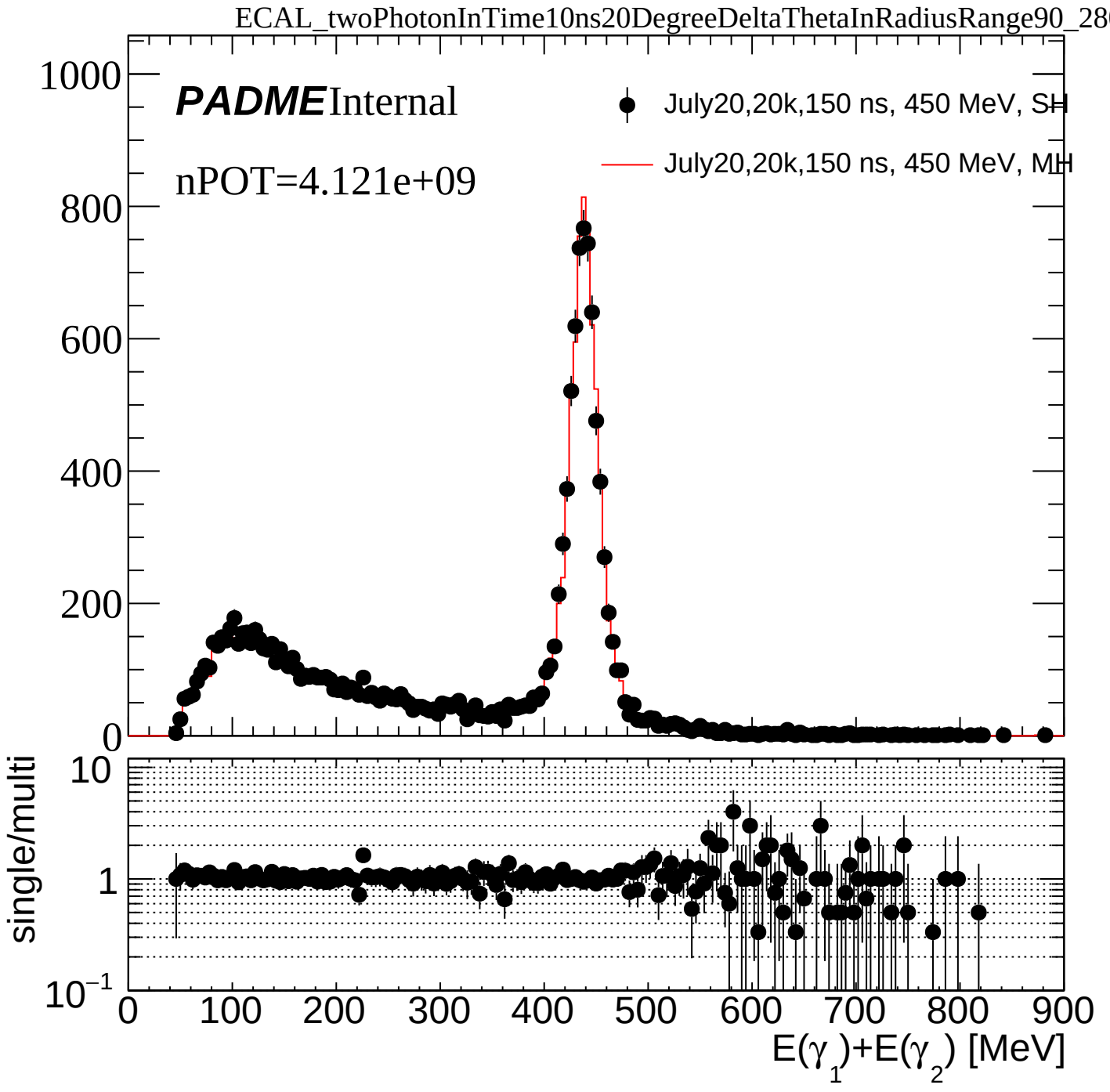

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

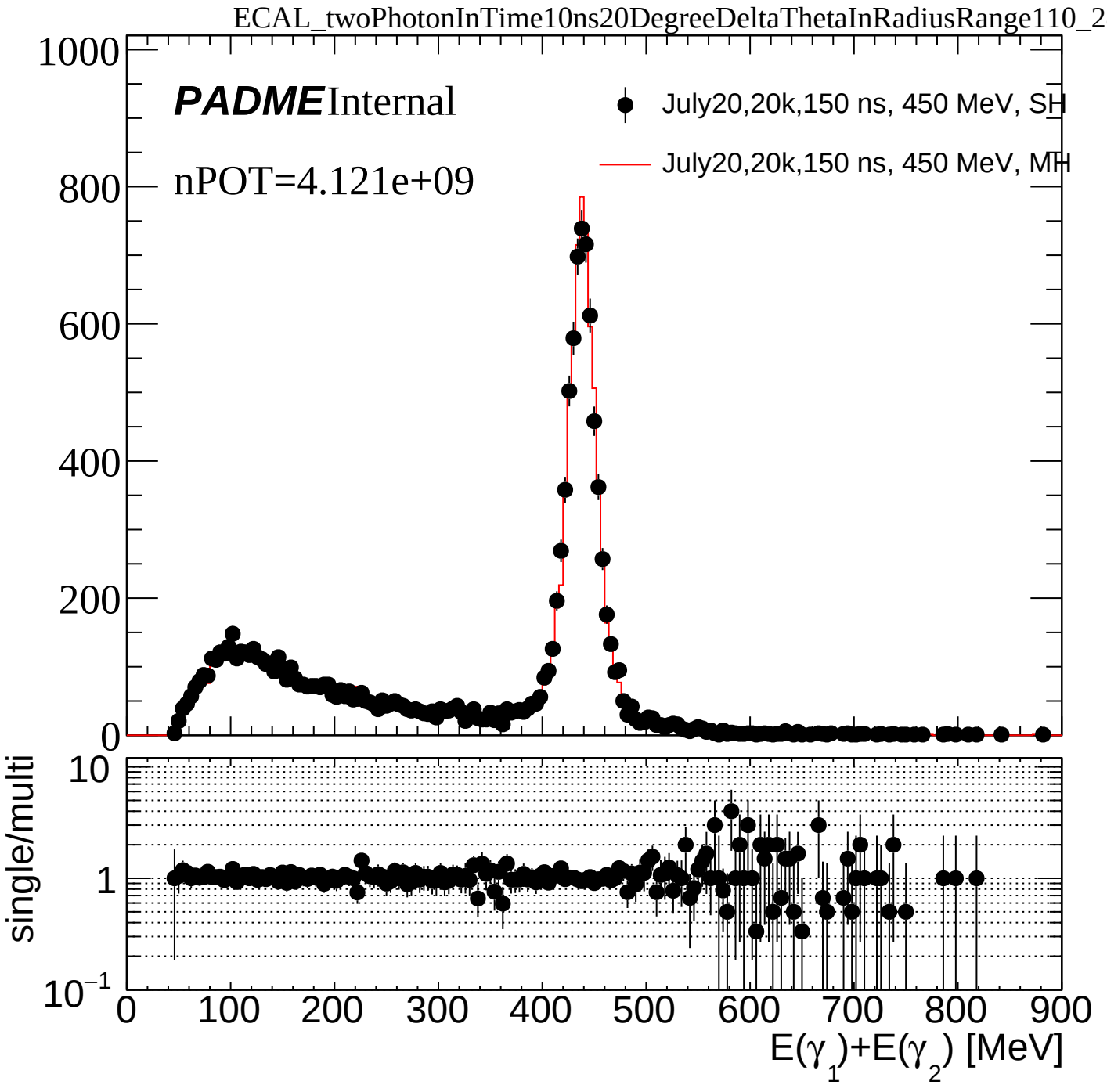

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^-1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

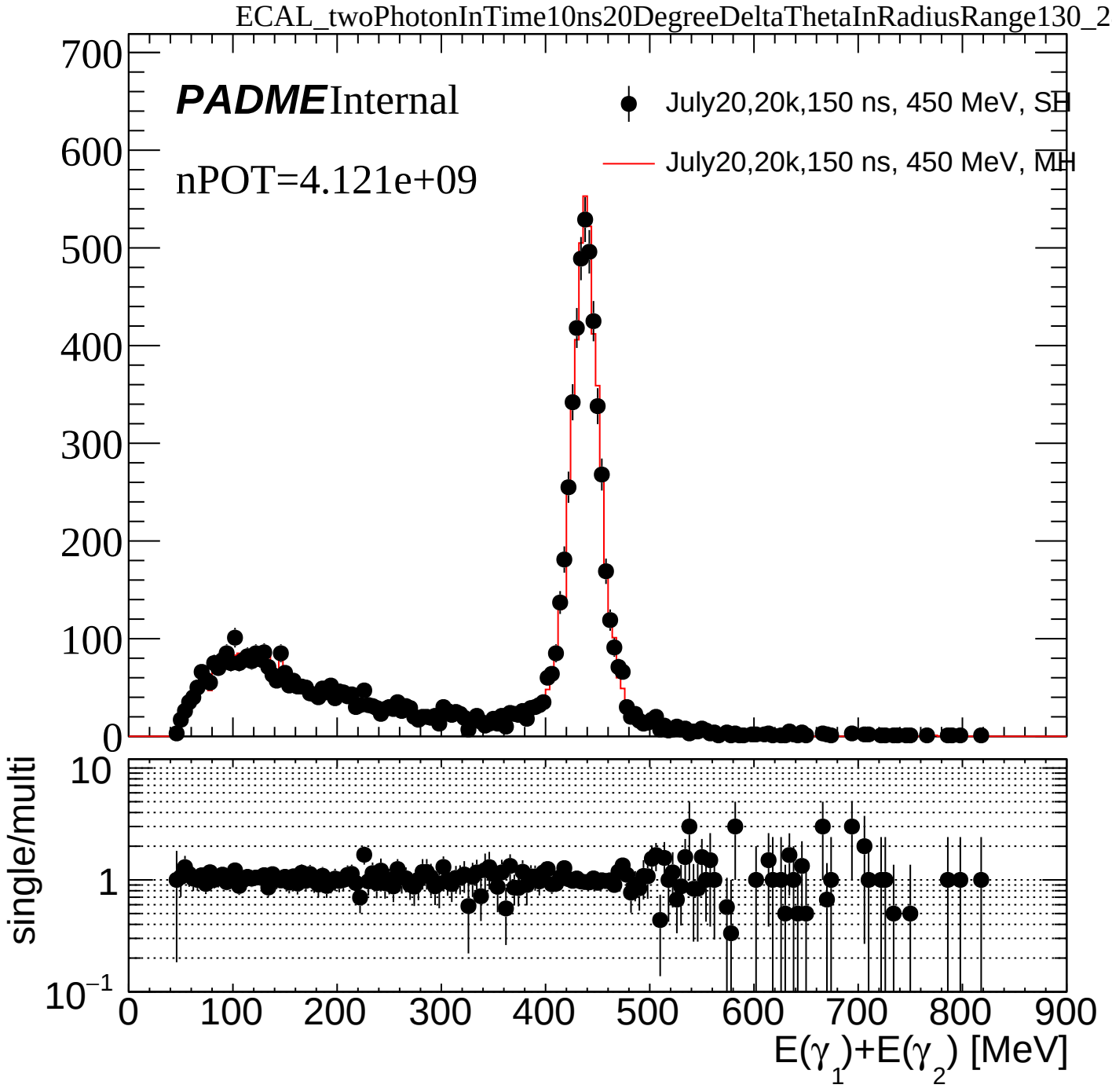

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

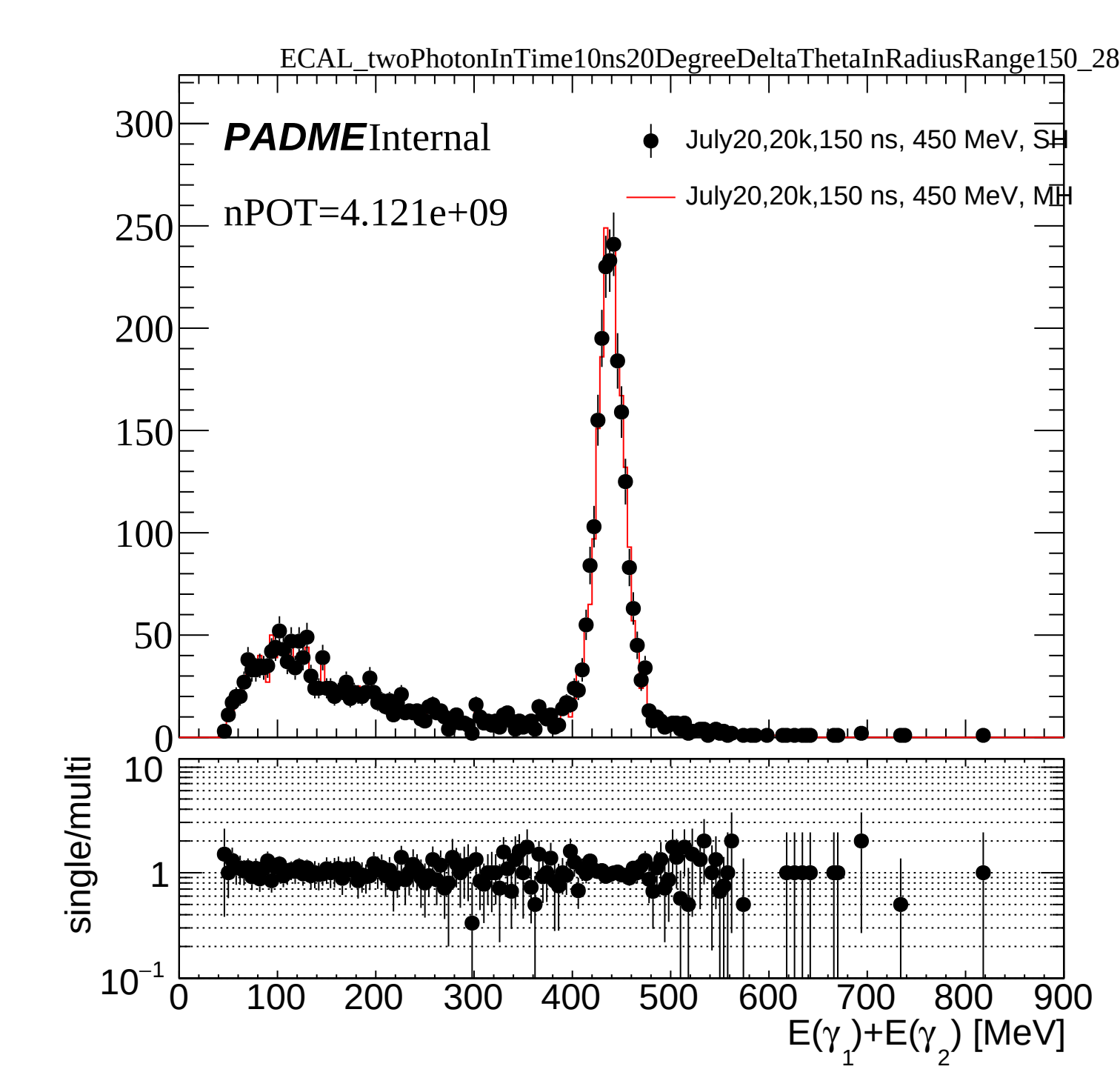

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_19
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

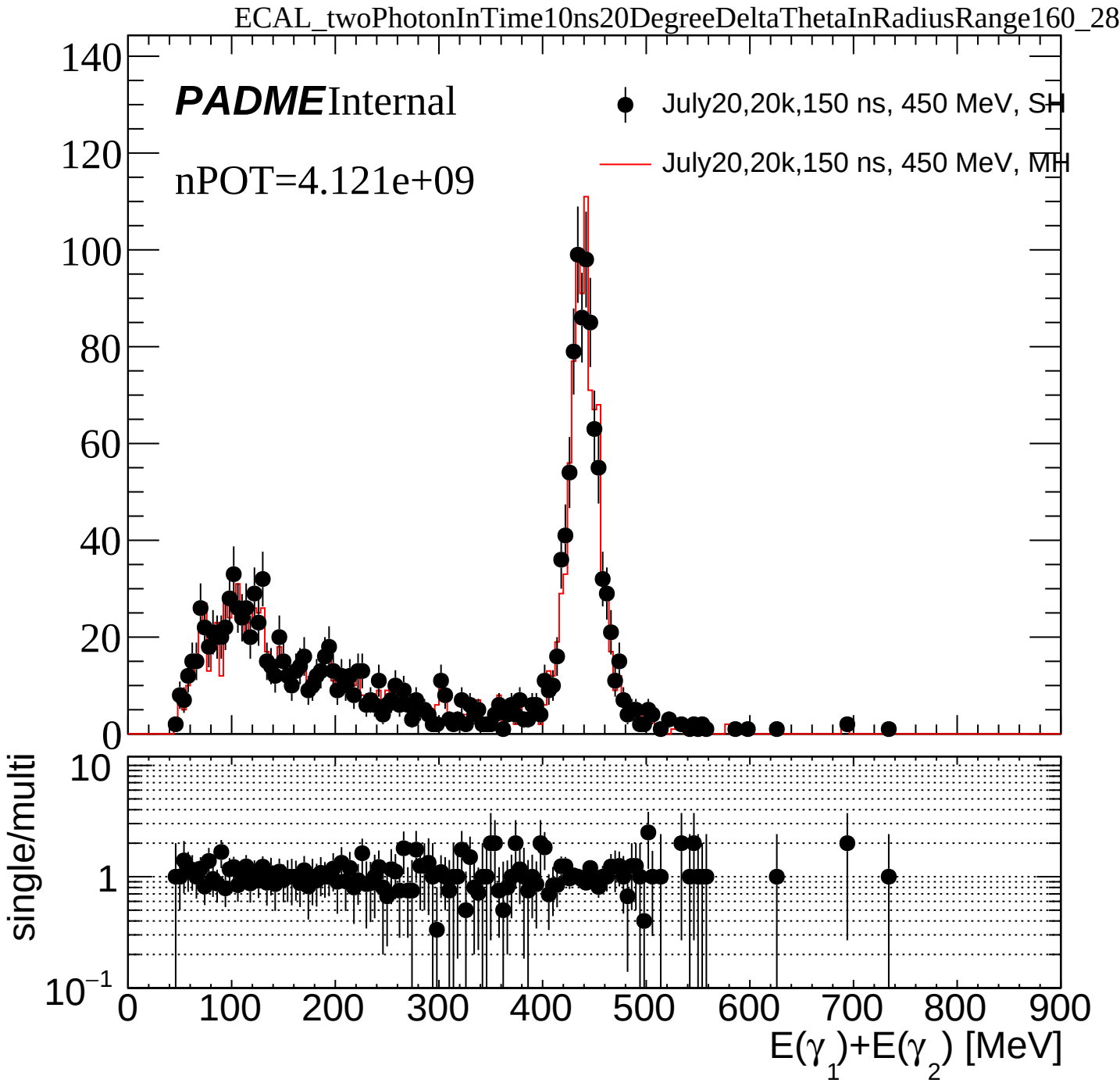

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

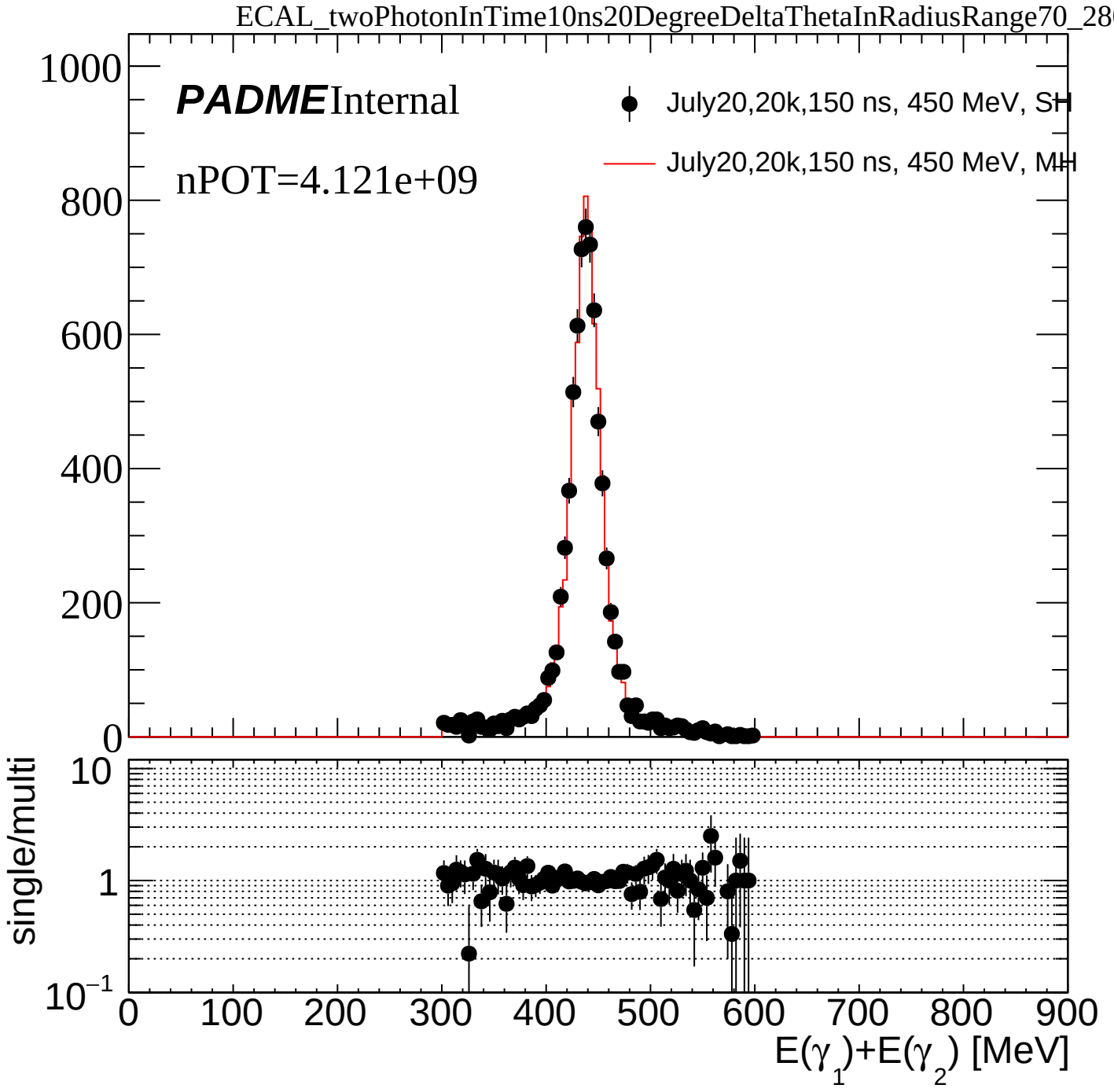

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

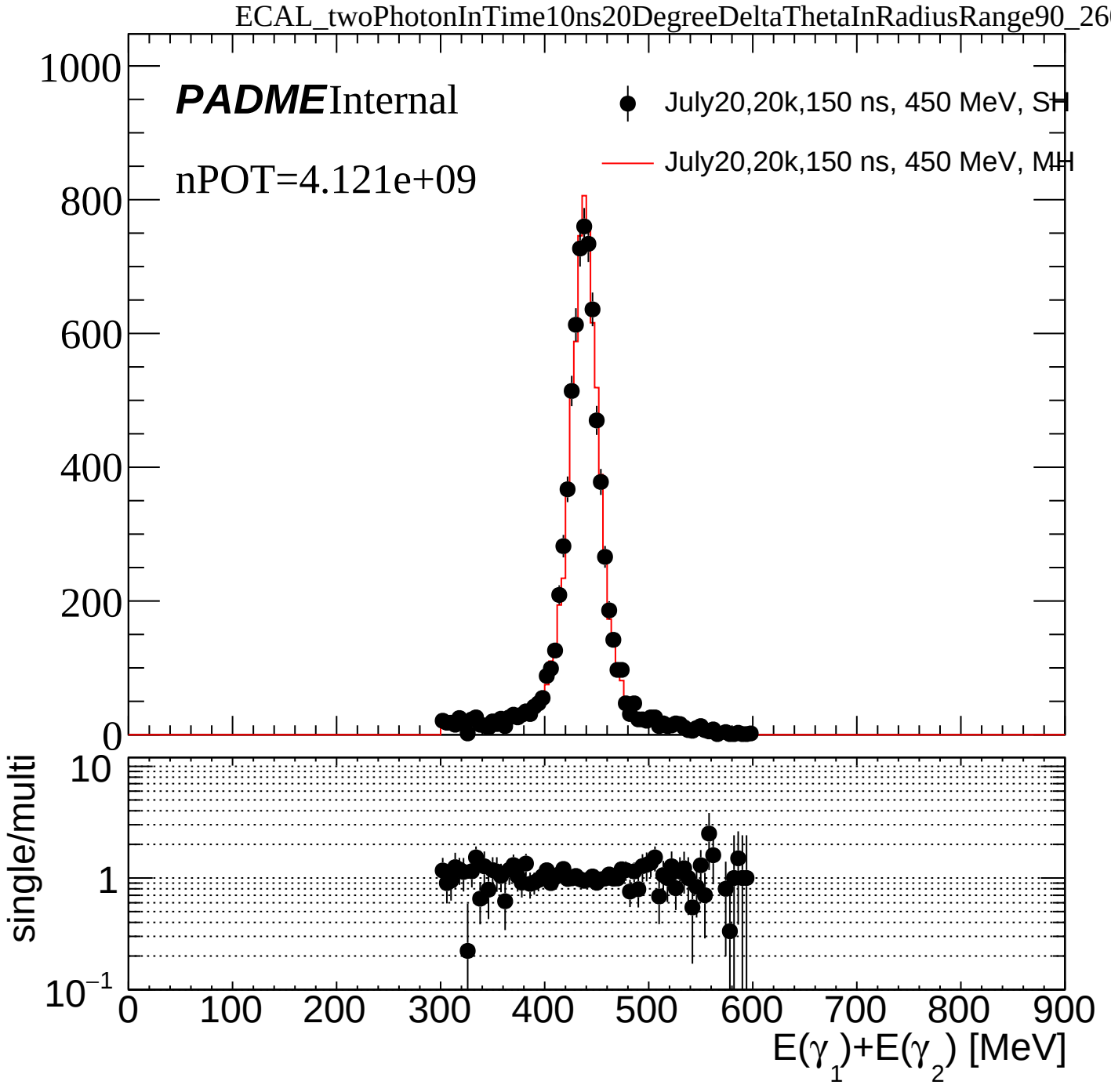

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

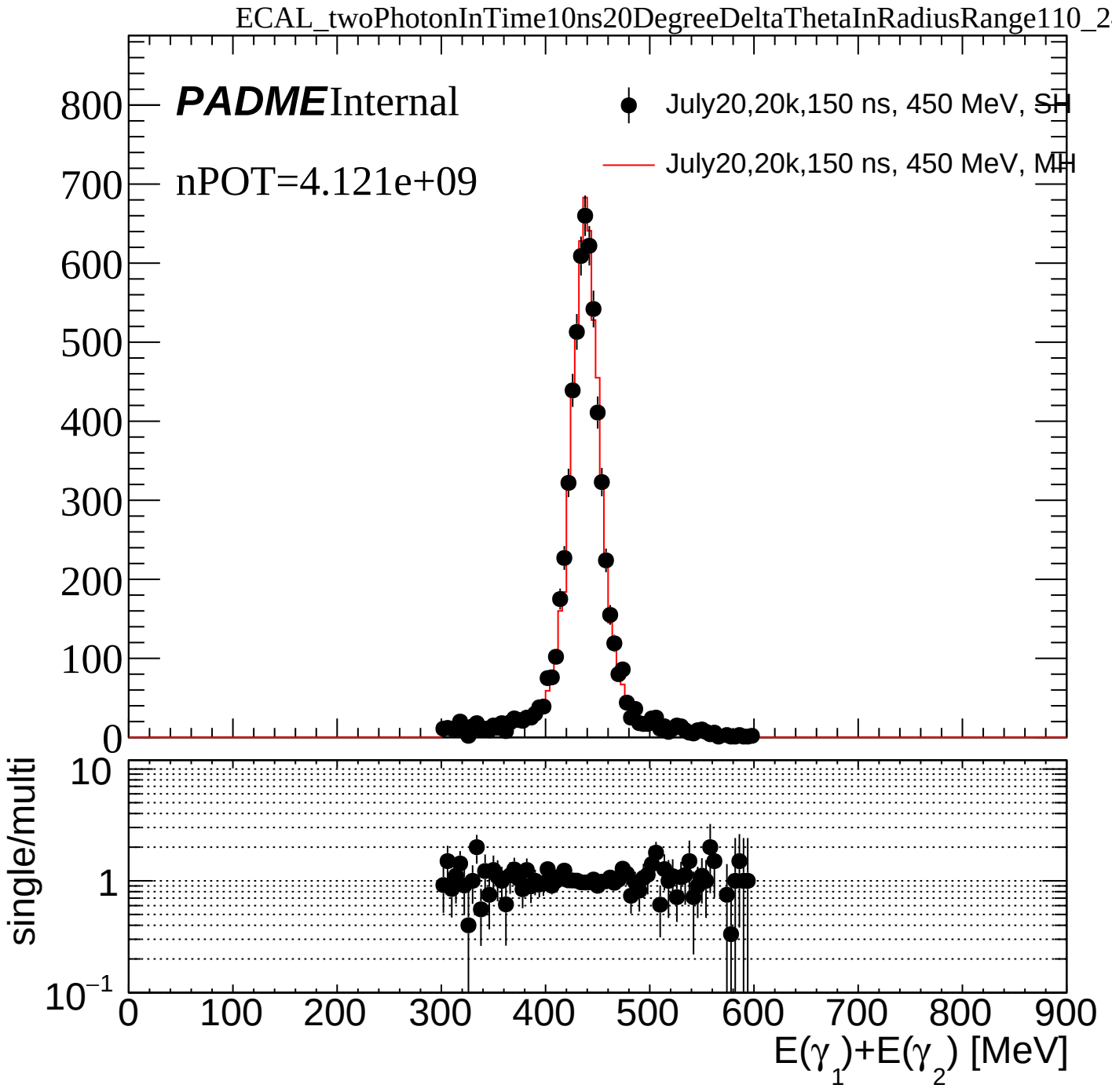

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

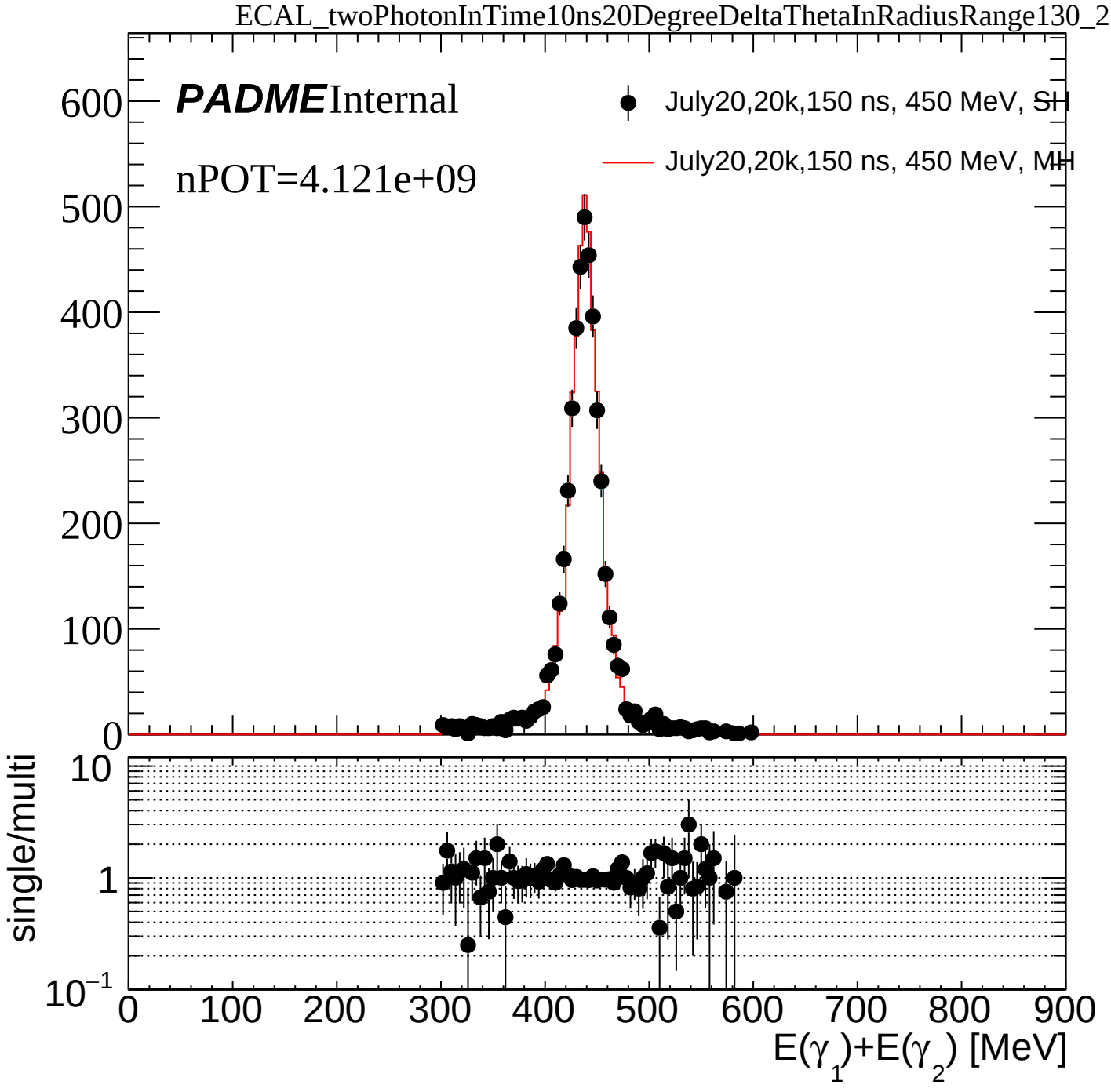

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

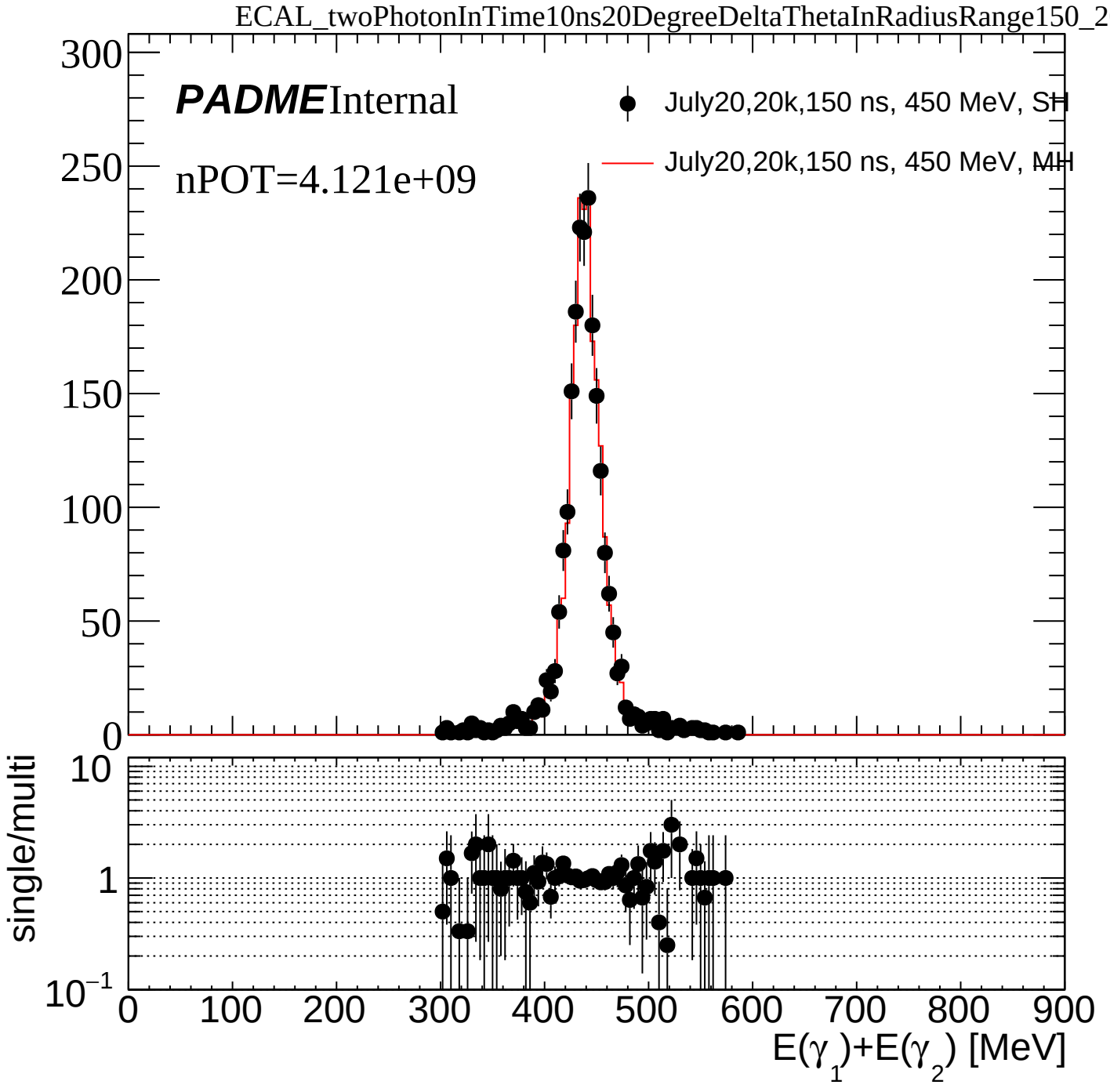

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

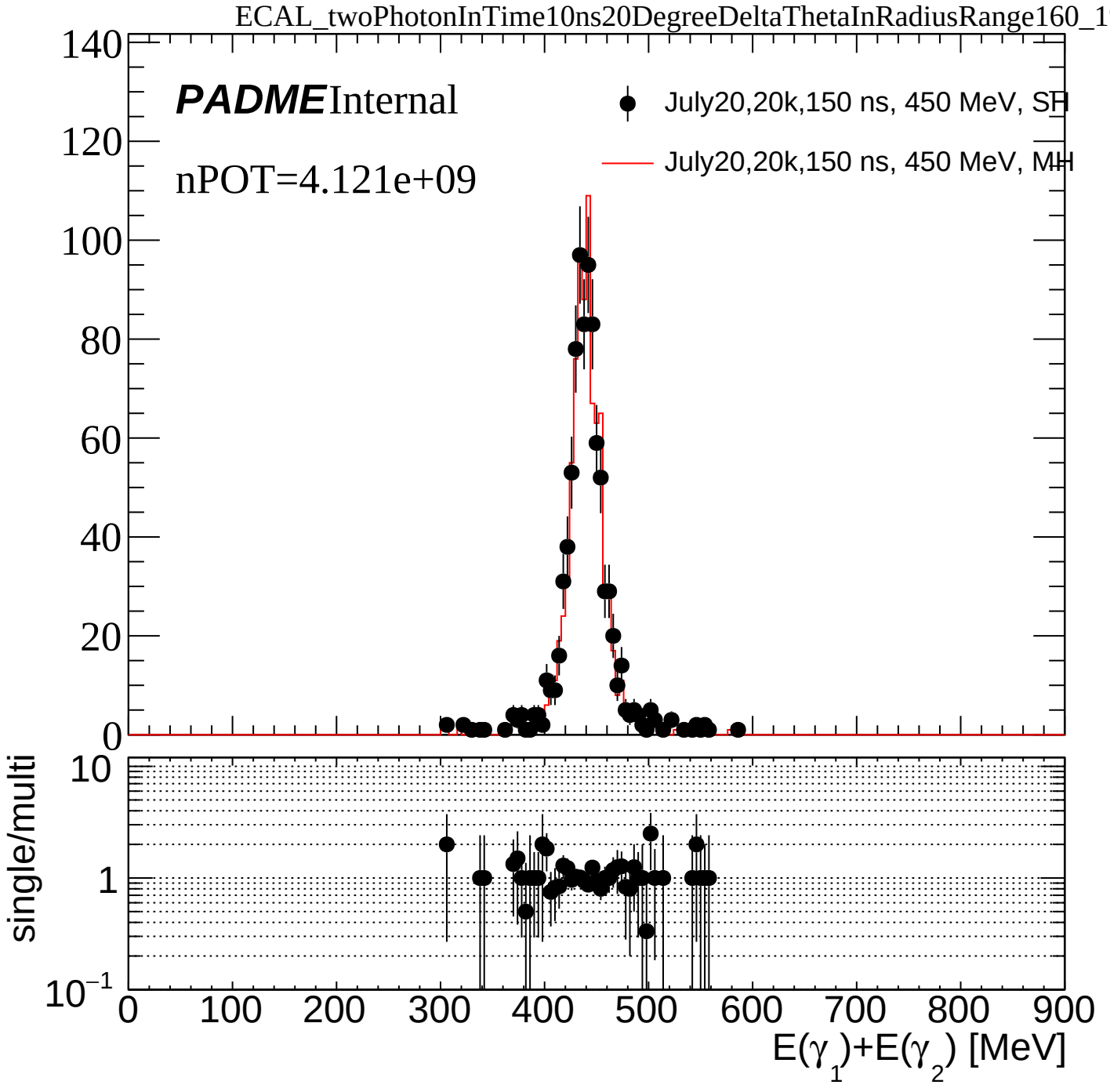

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

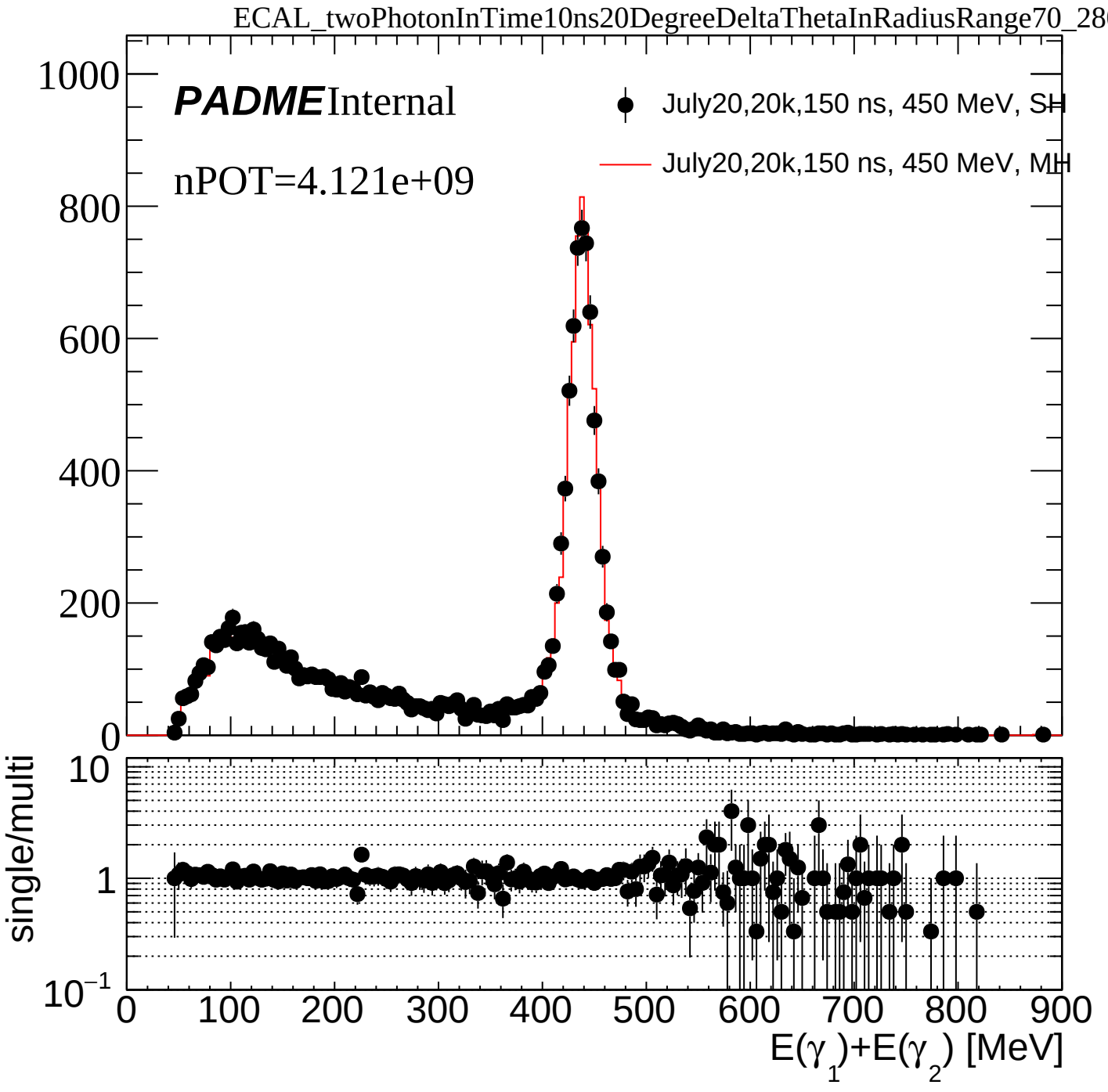

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_260
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

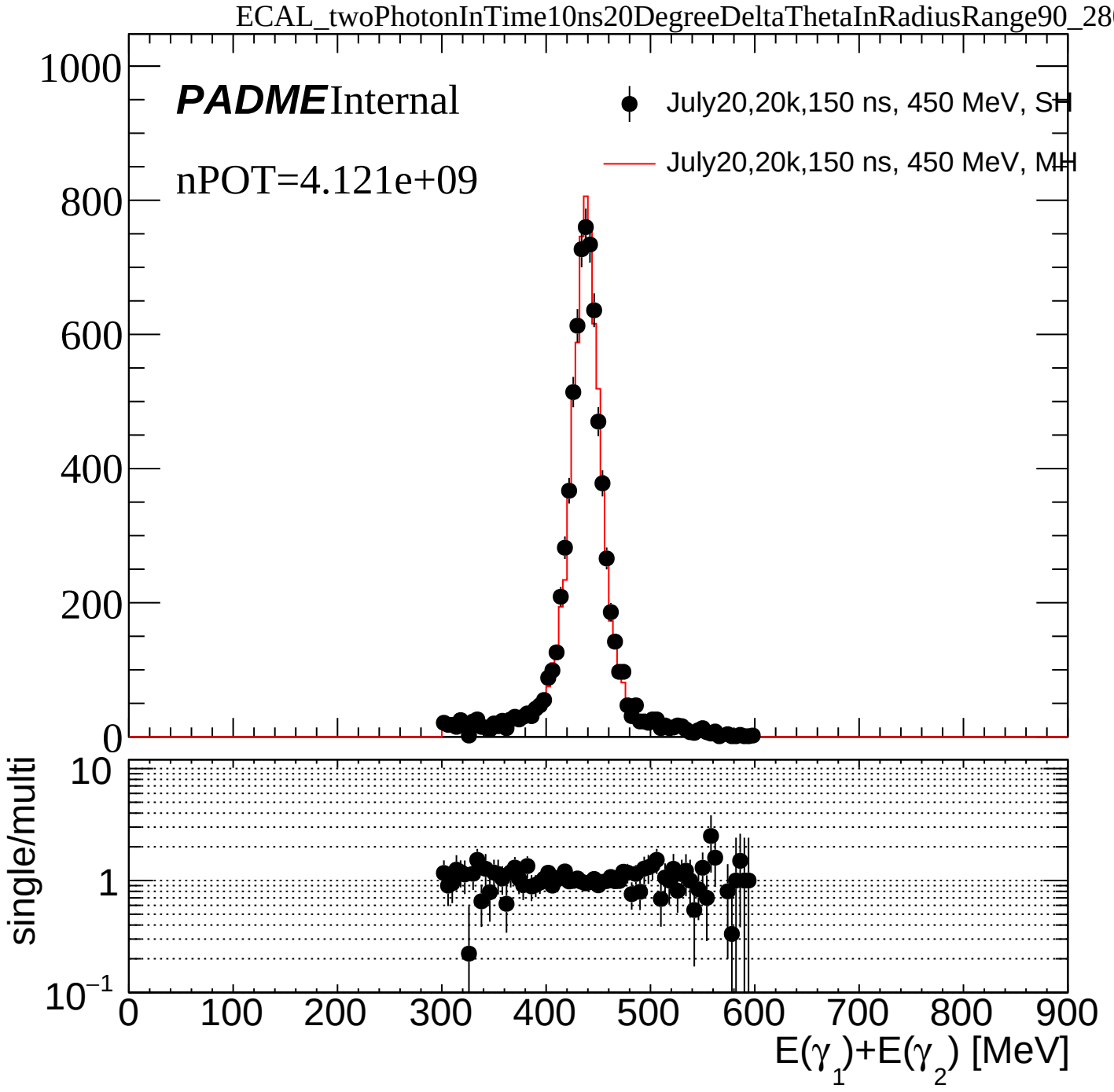

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

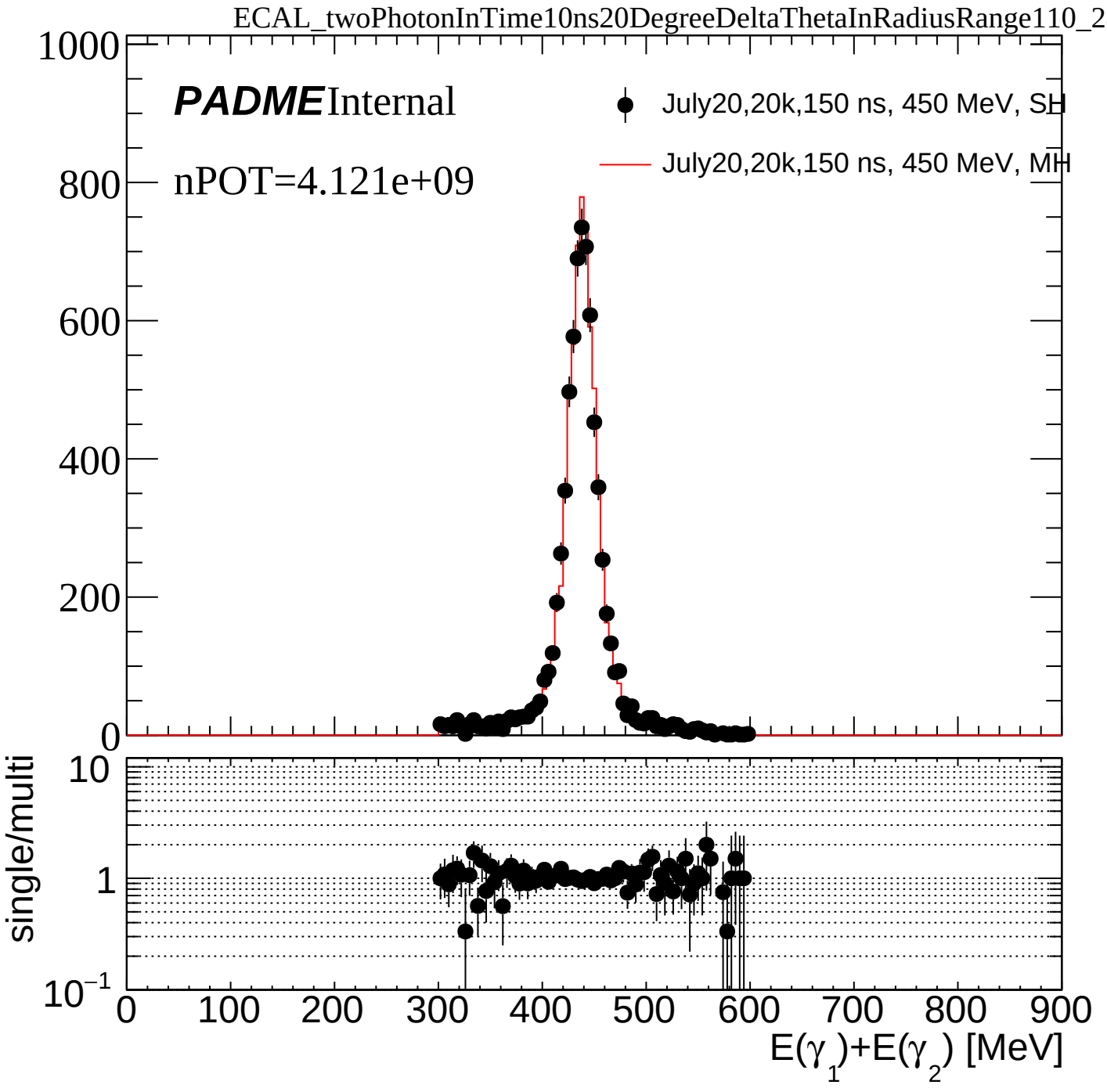

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

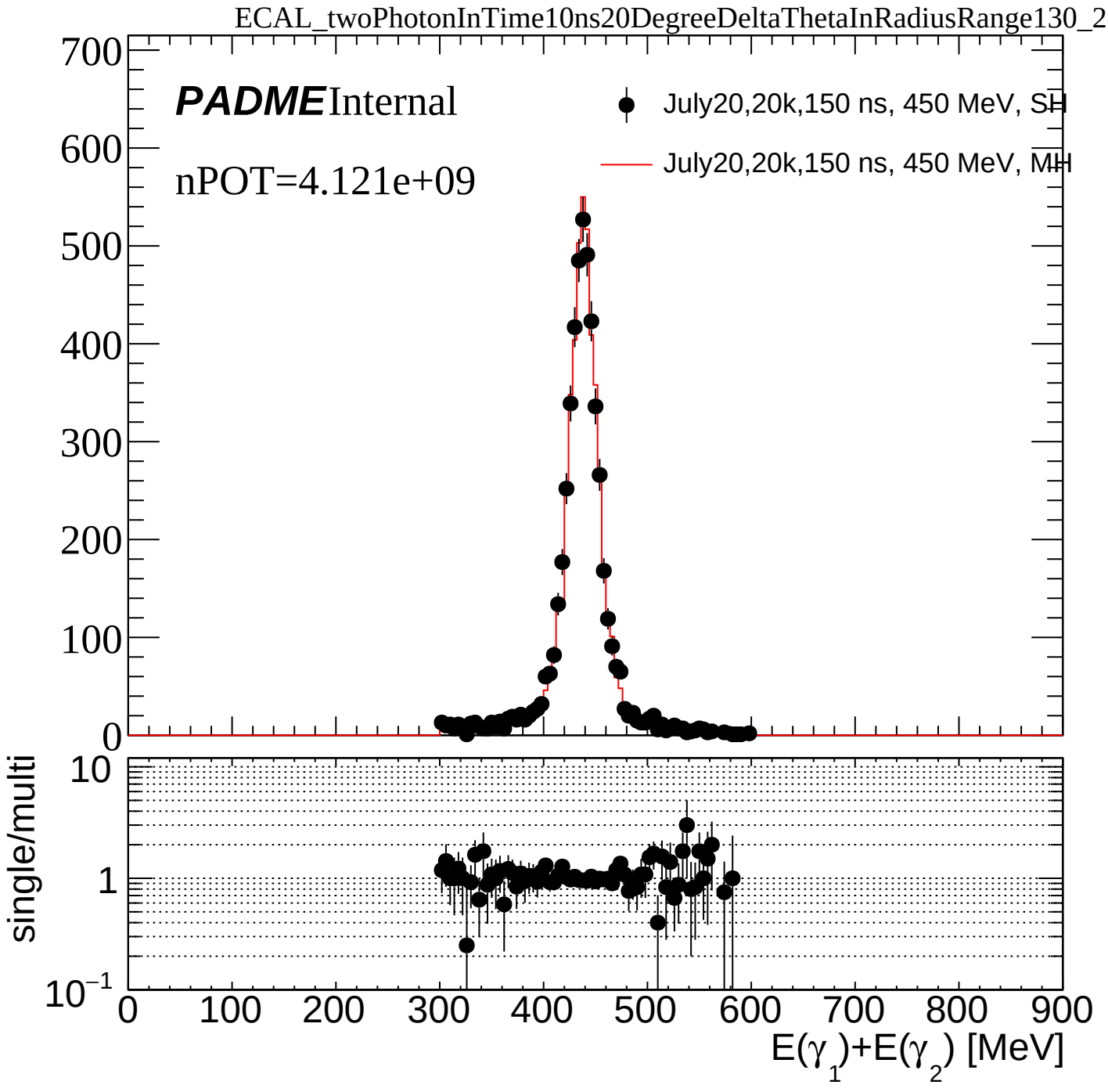

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

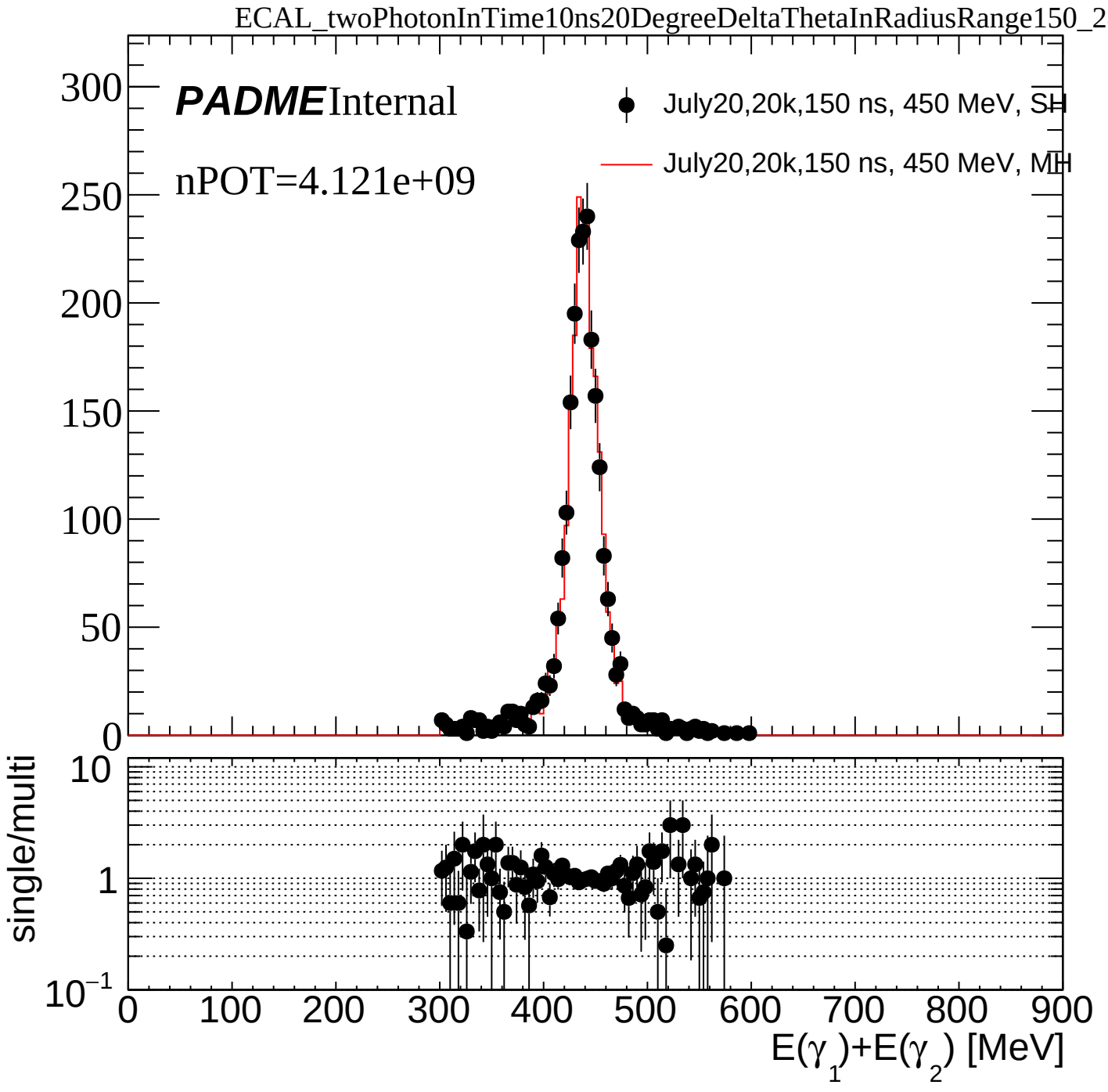

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_19
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

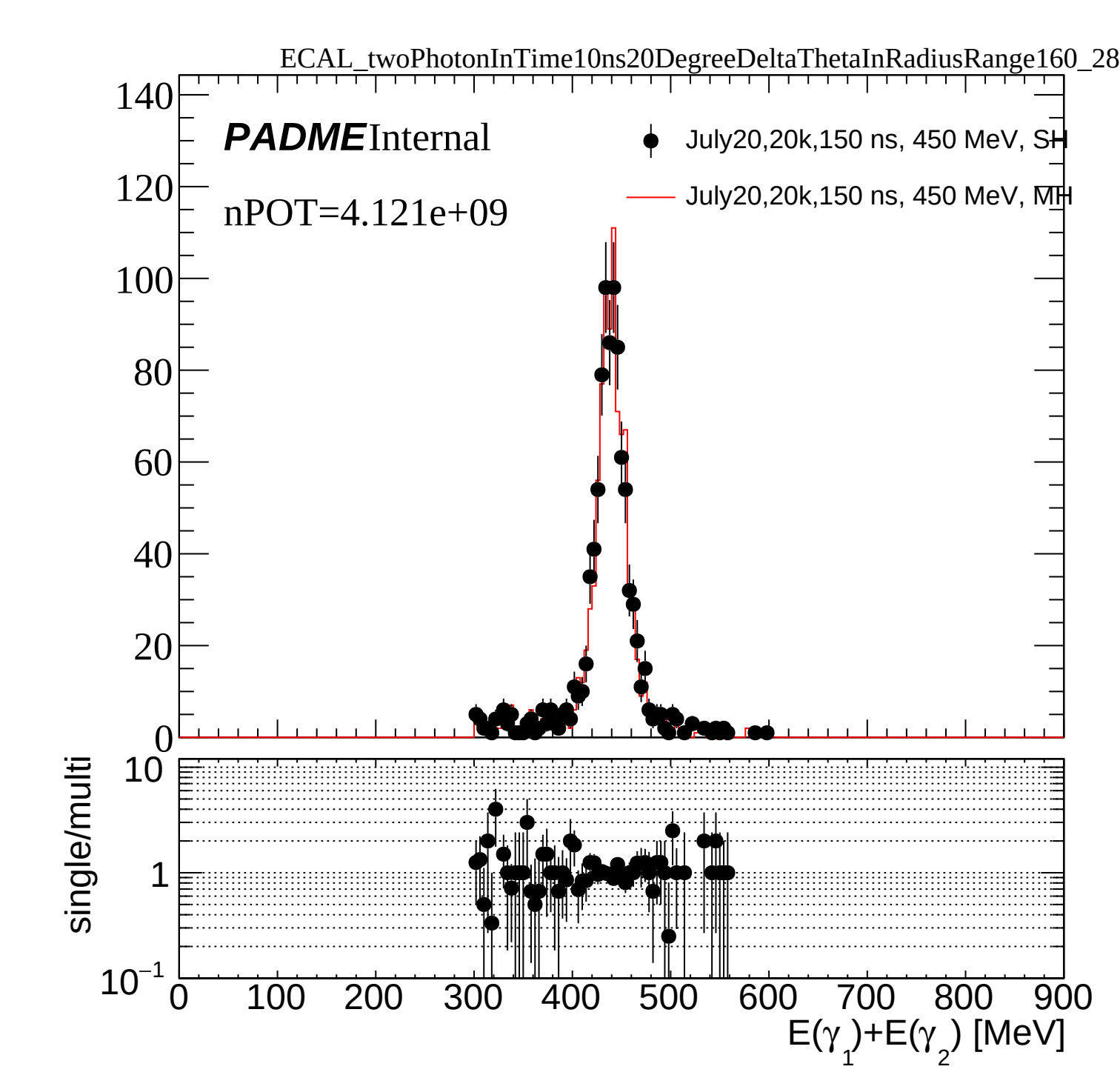

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

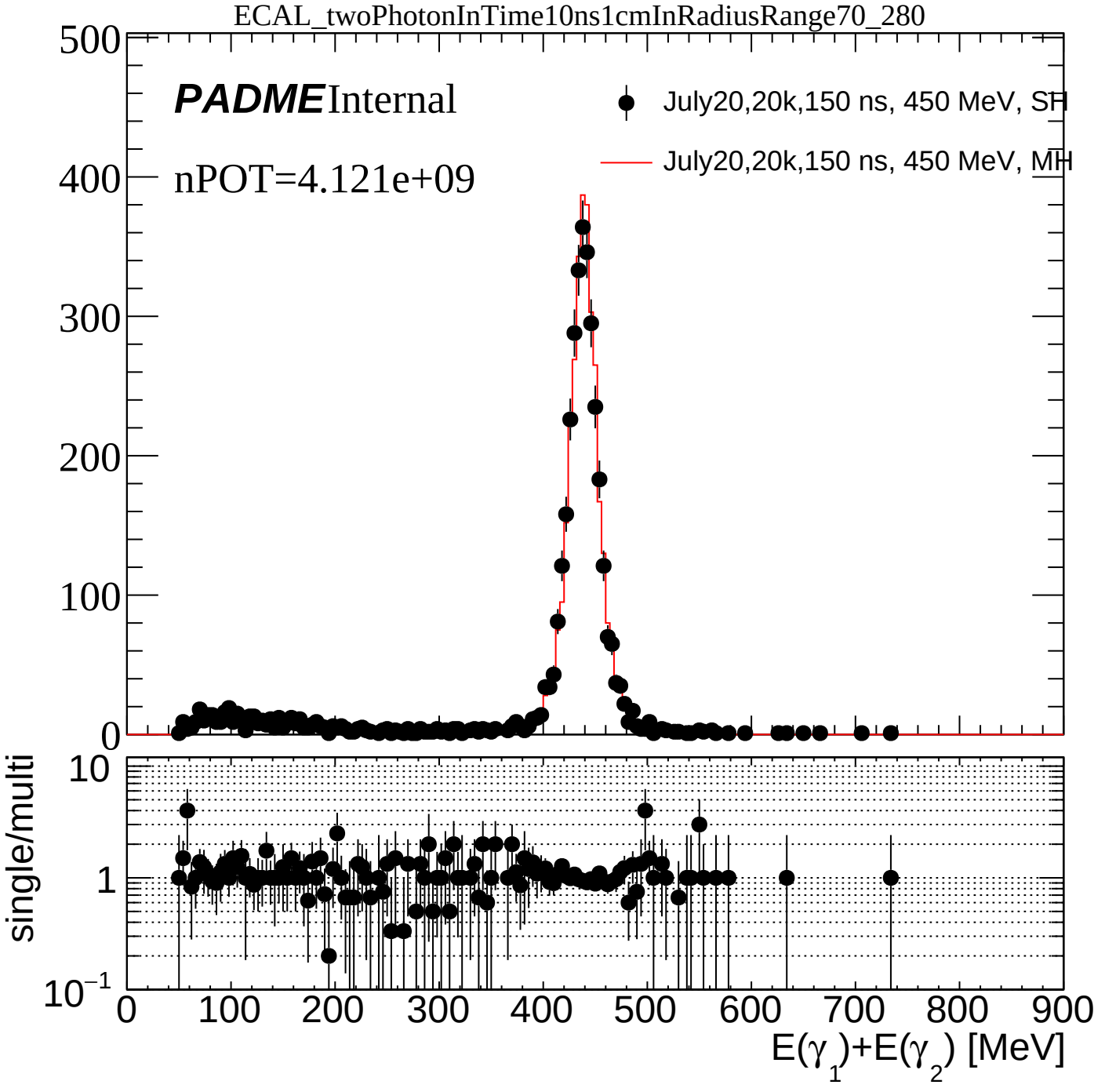

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

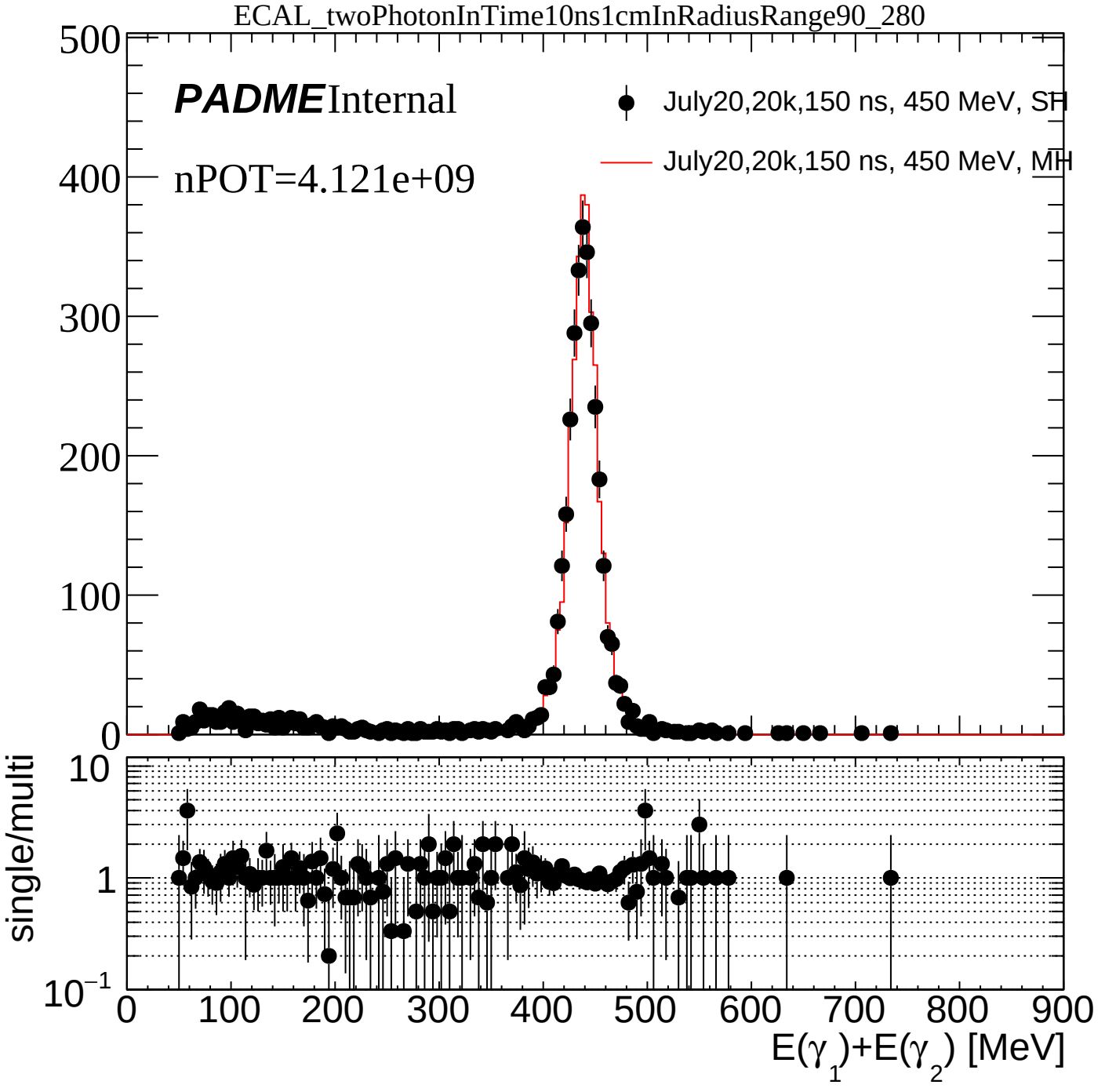

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

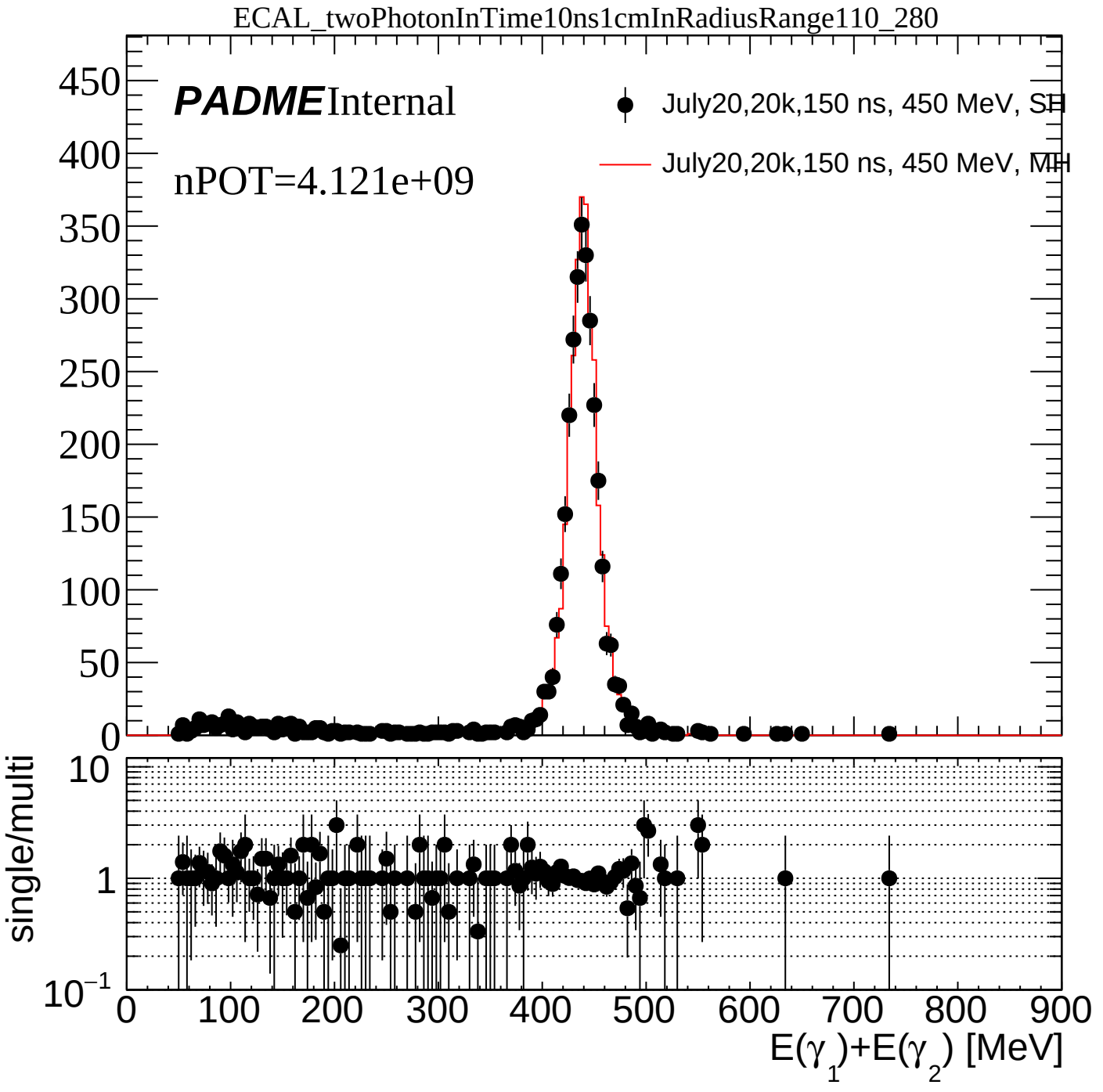

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

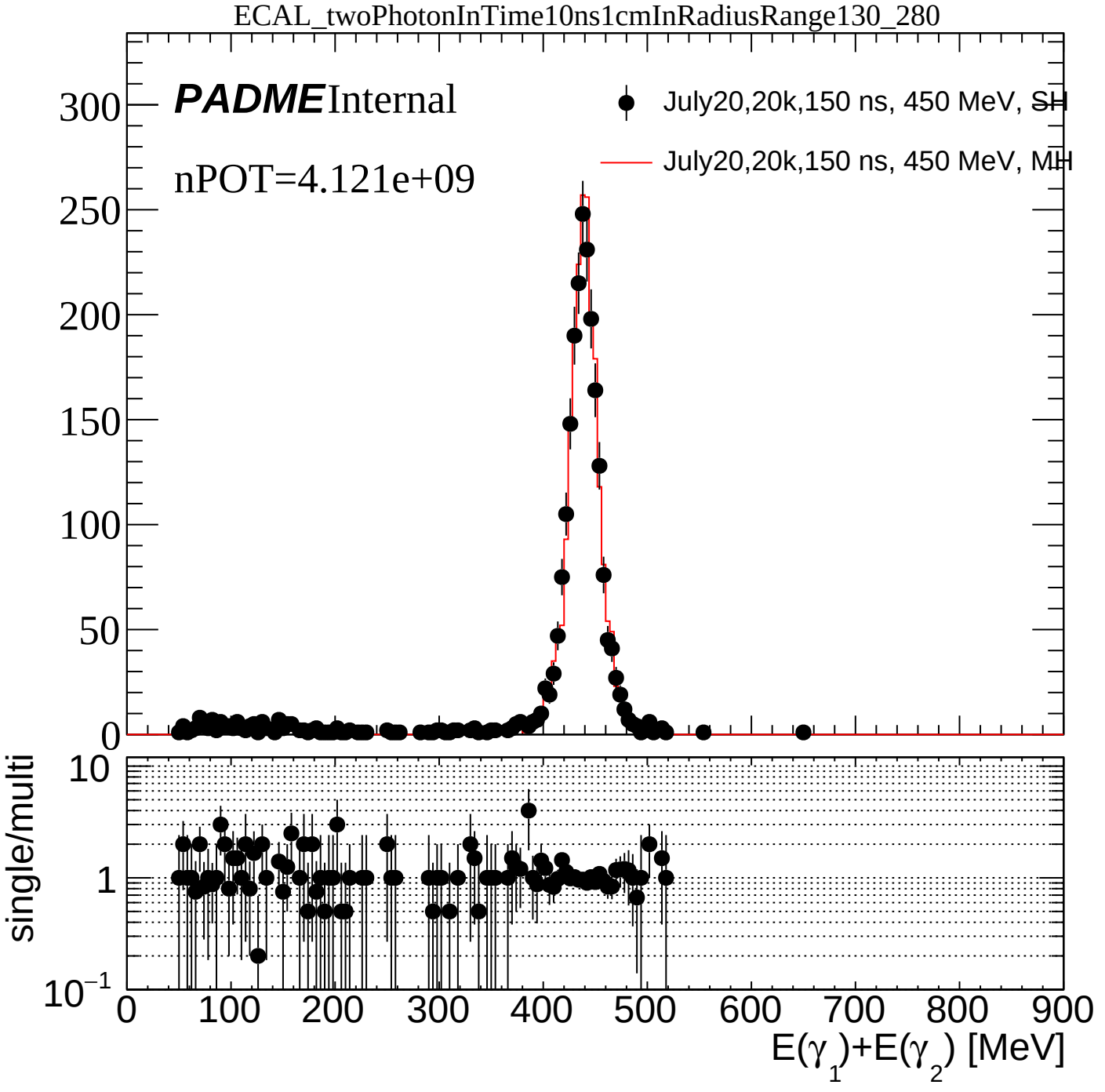

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

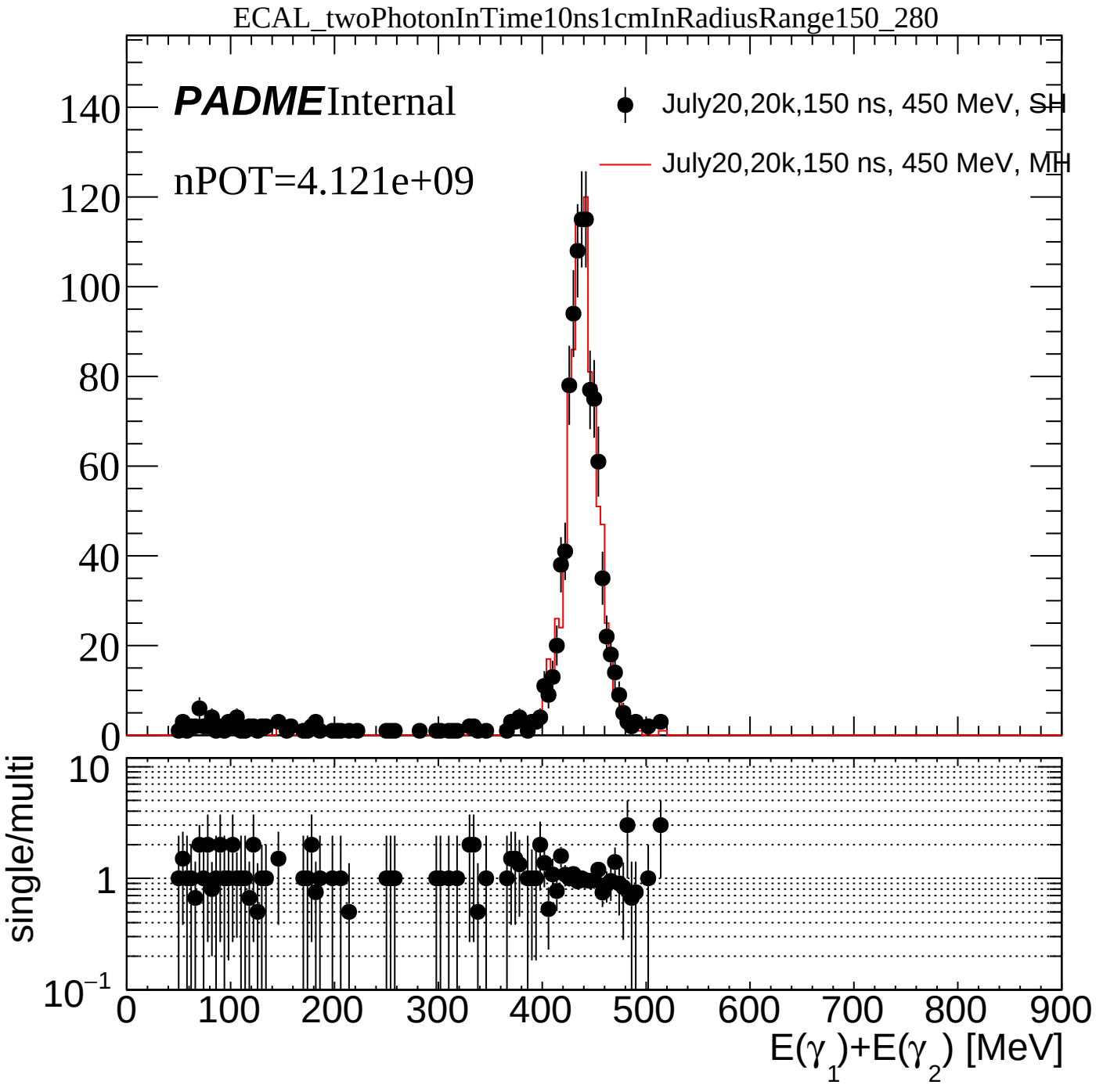

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_28
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
E(γ1)+E(γ2) [MeV]

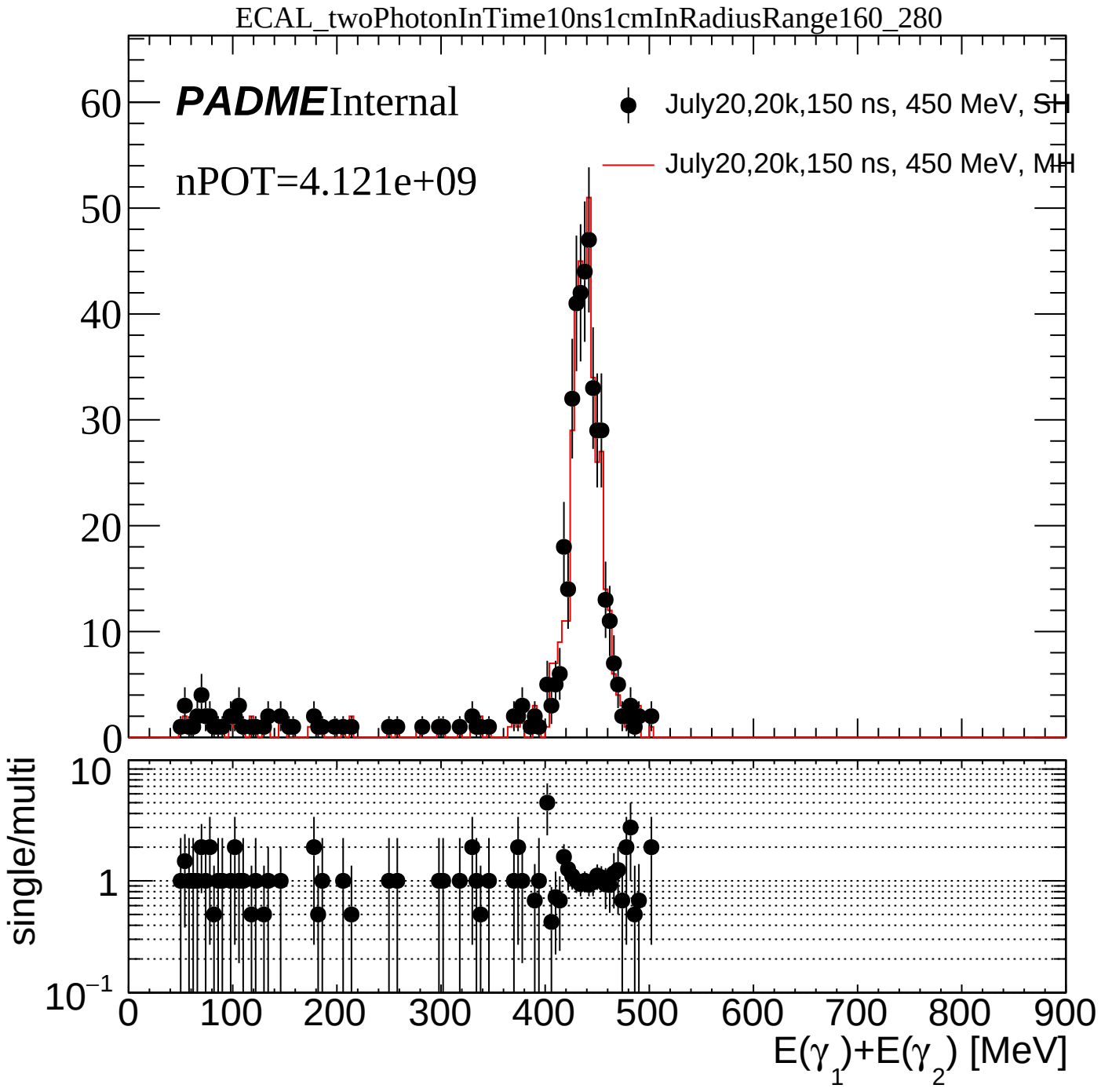

ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

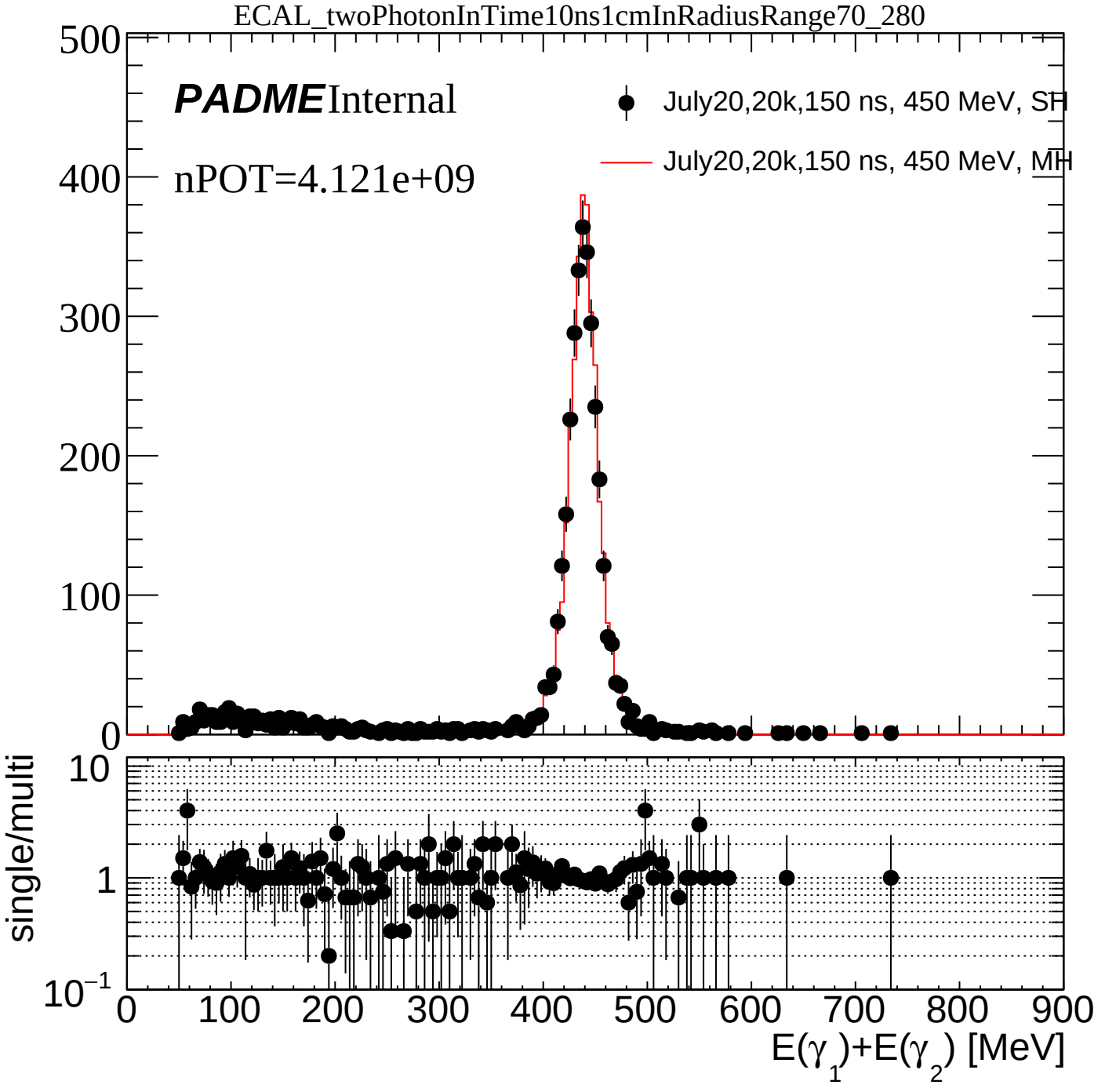

ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

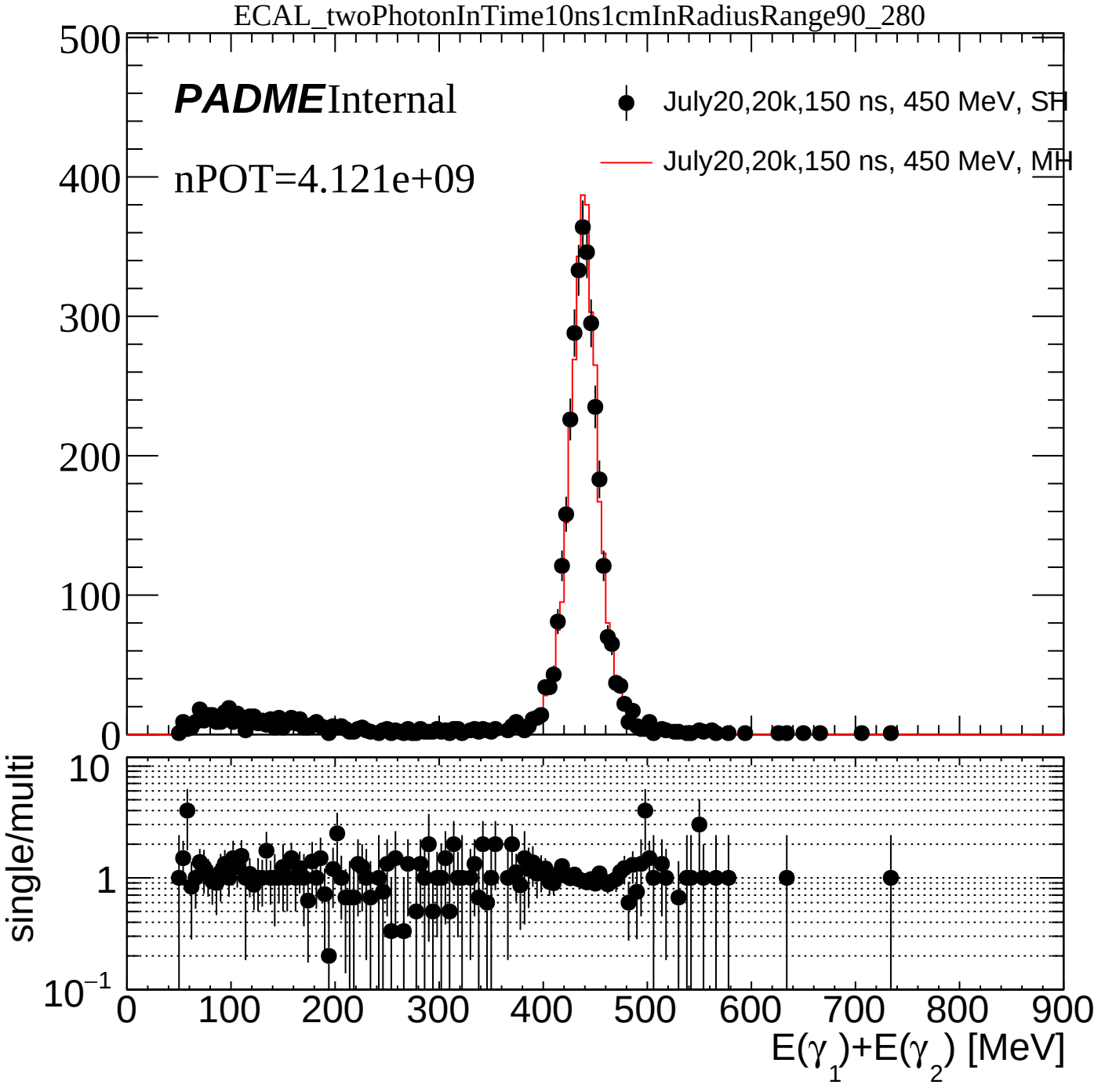

ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
450
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

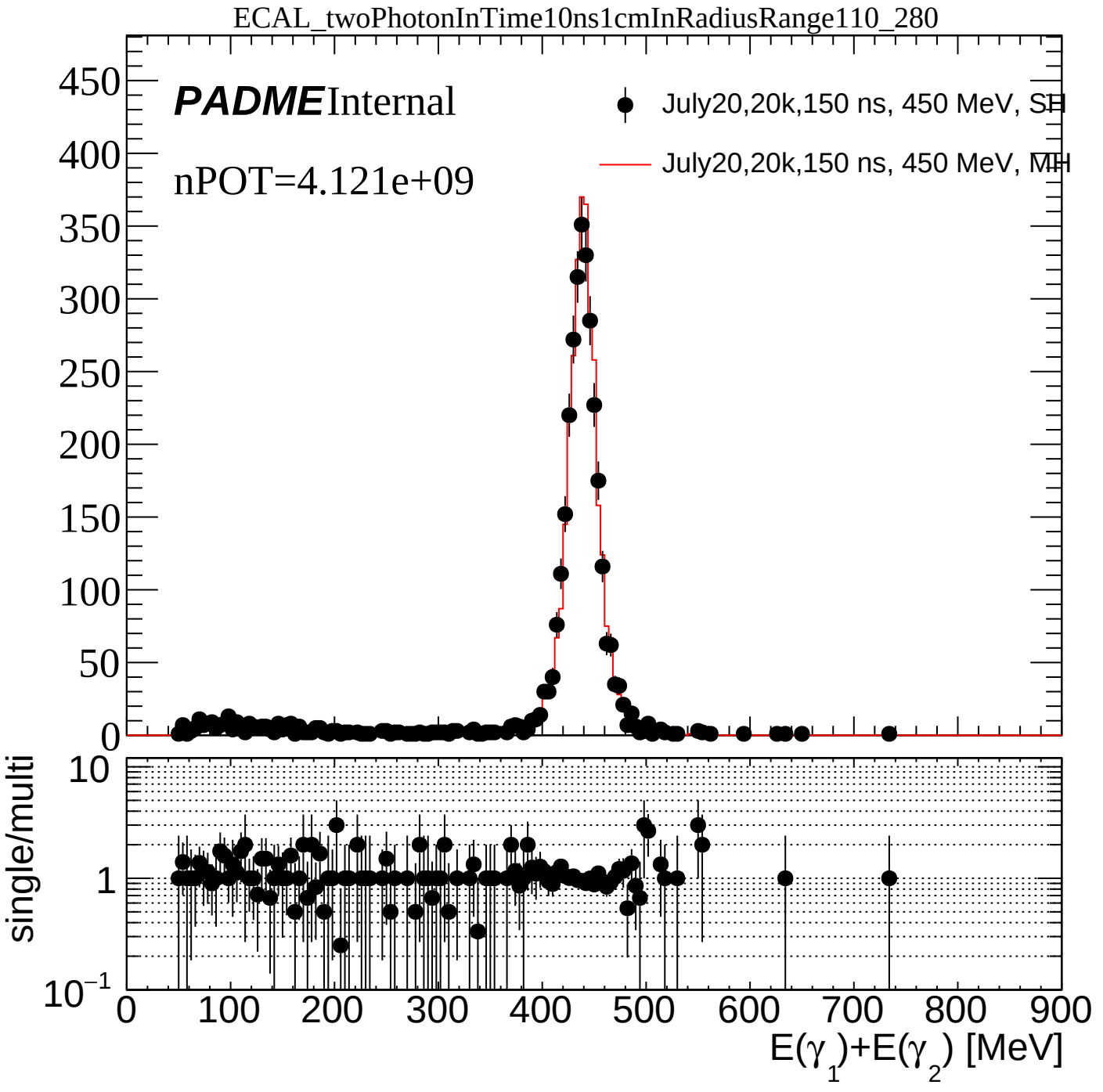

ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

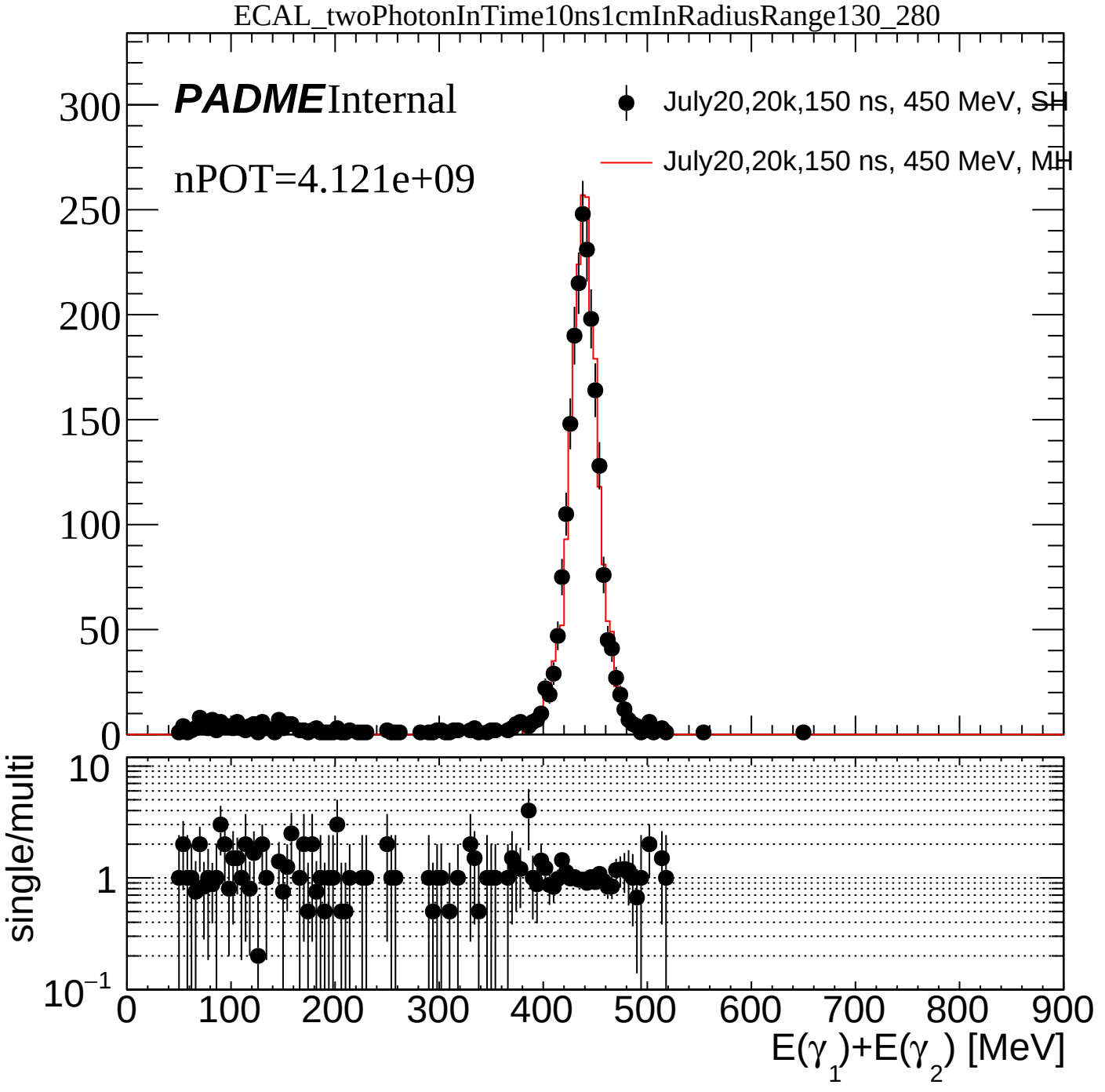

ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

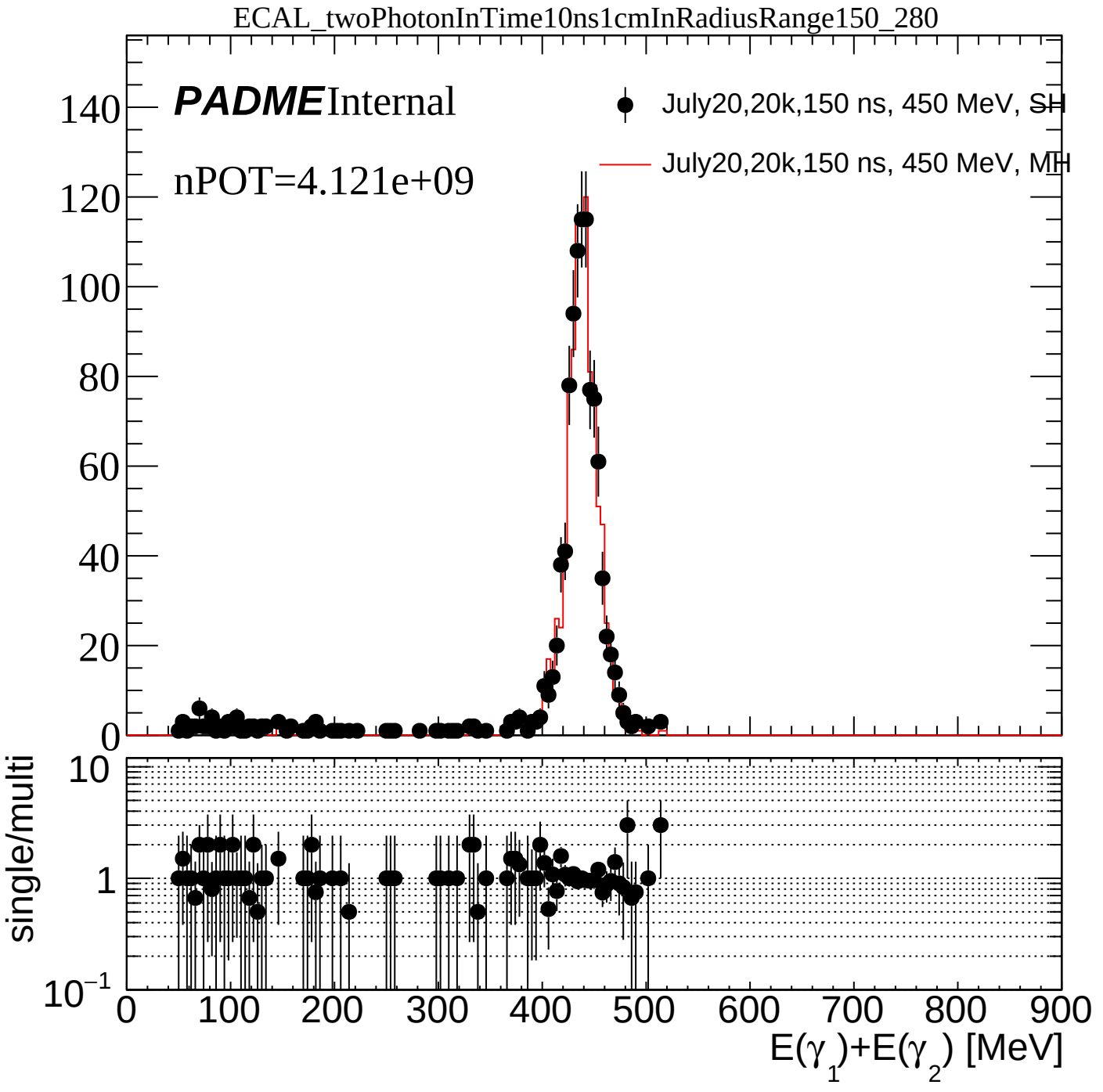

ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

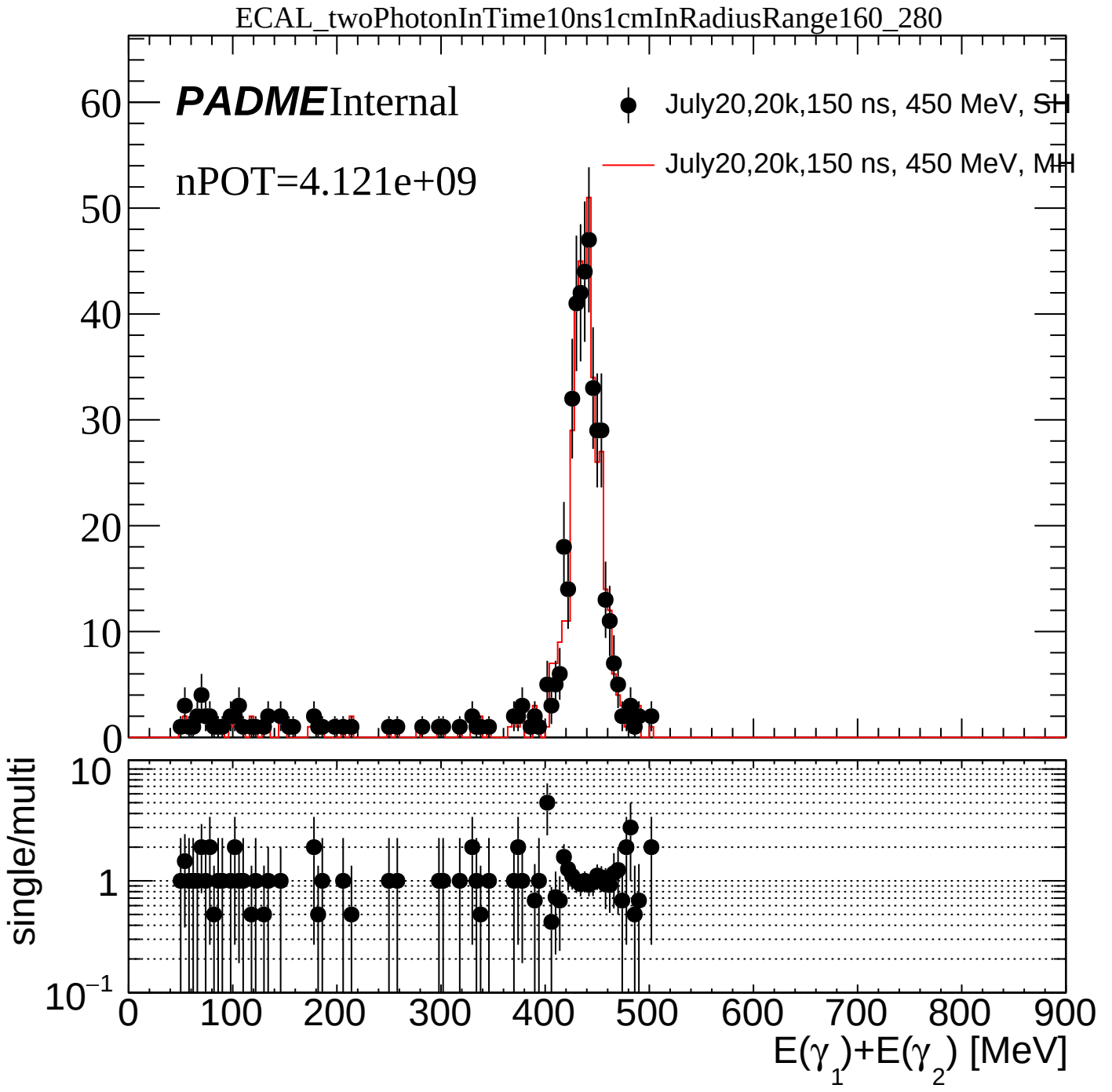

ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

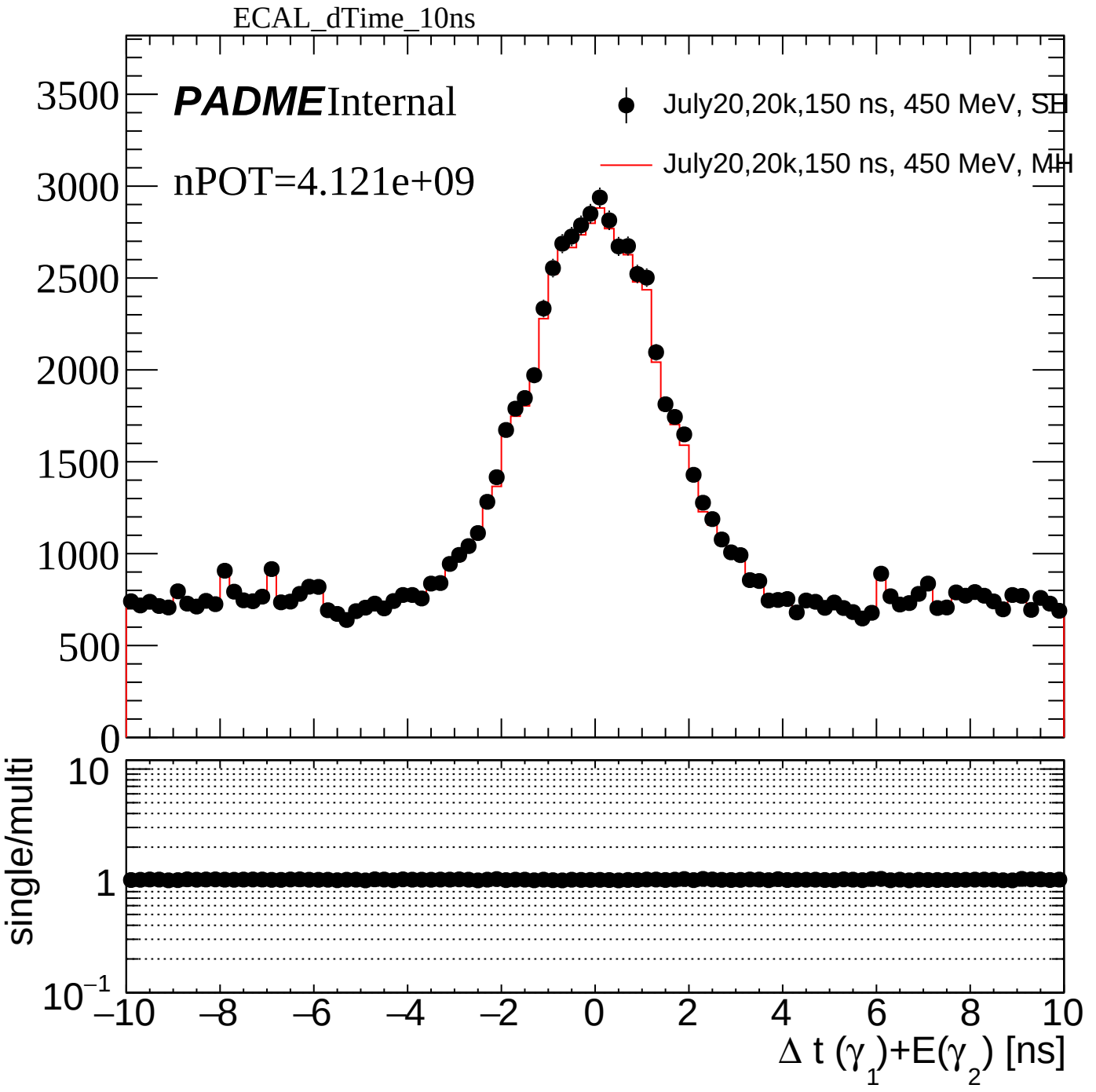

ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

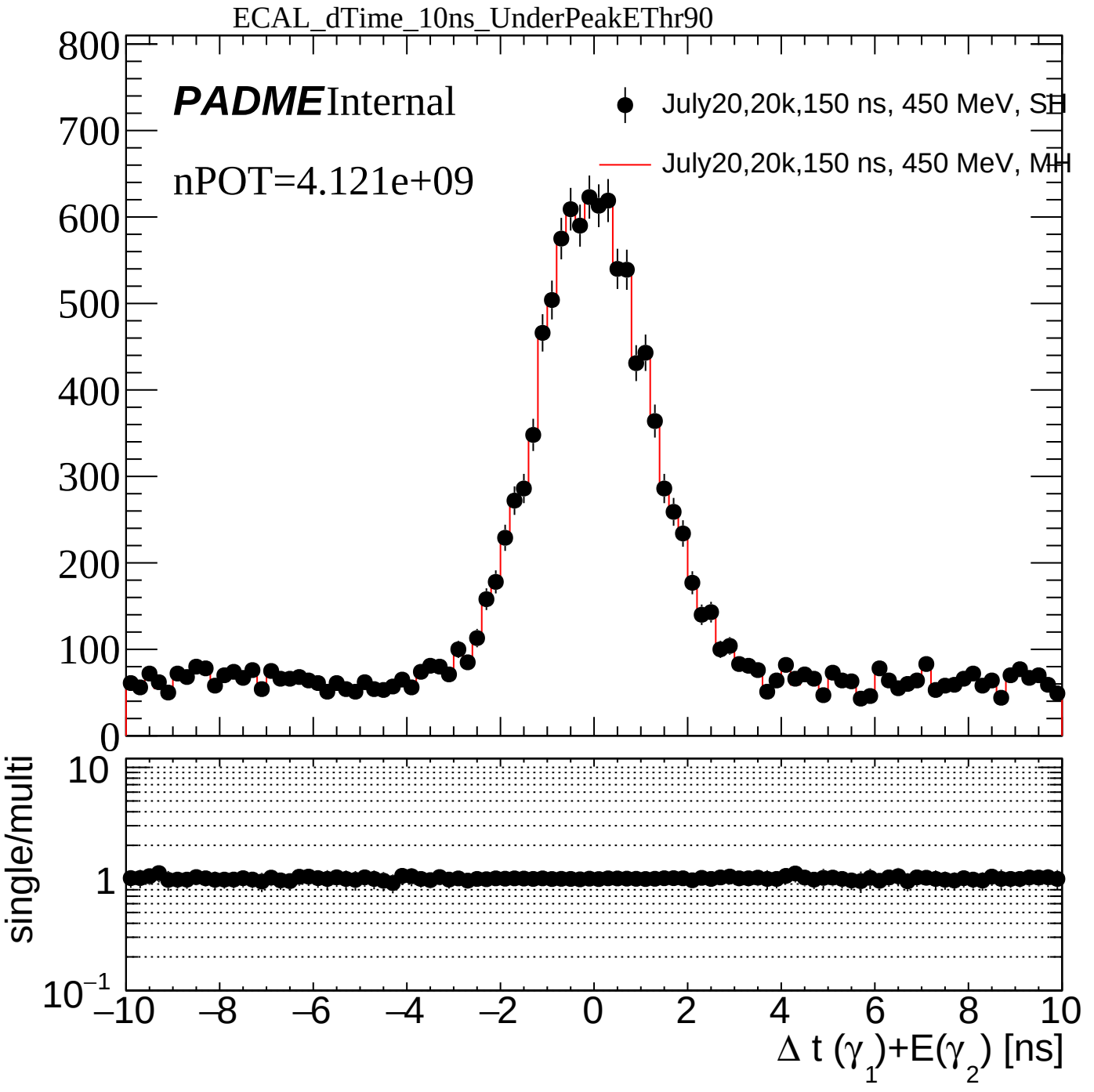

ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
450
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

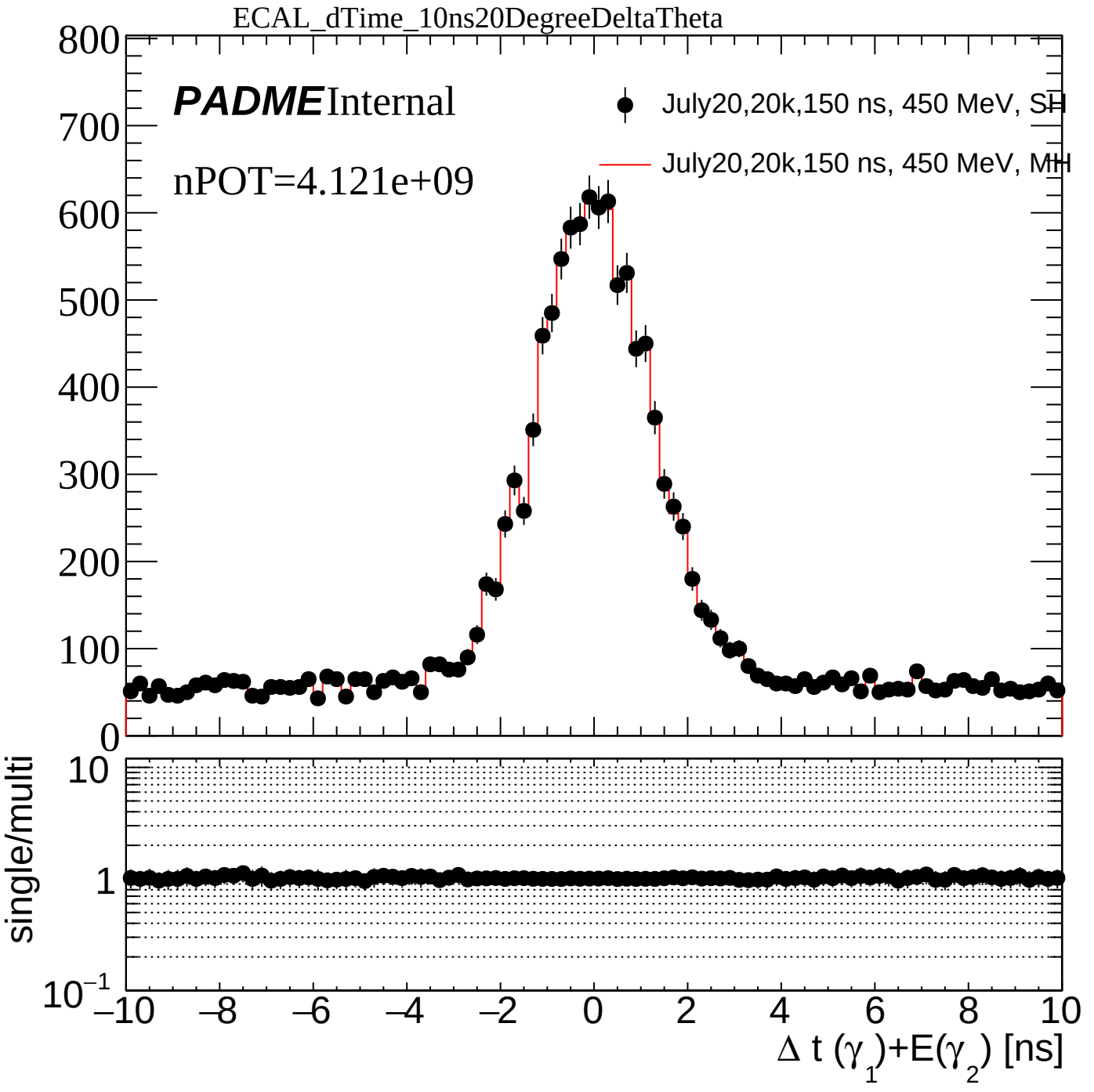

ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

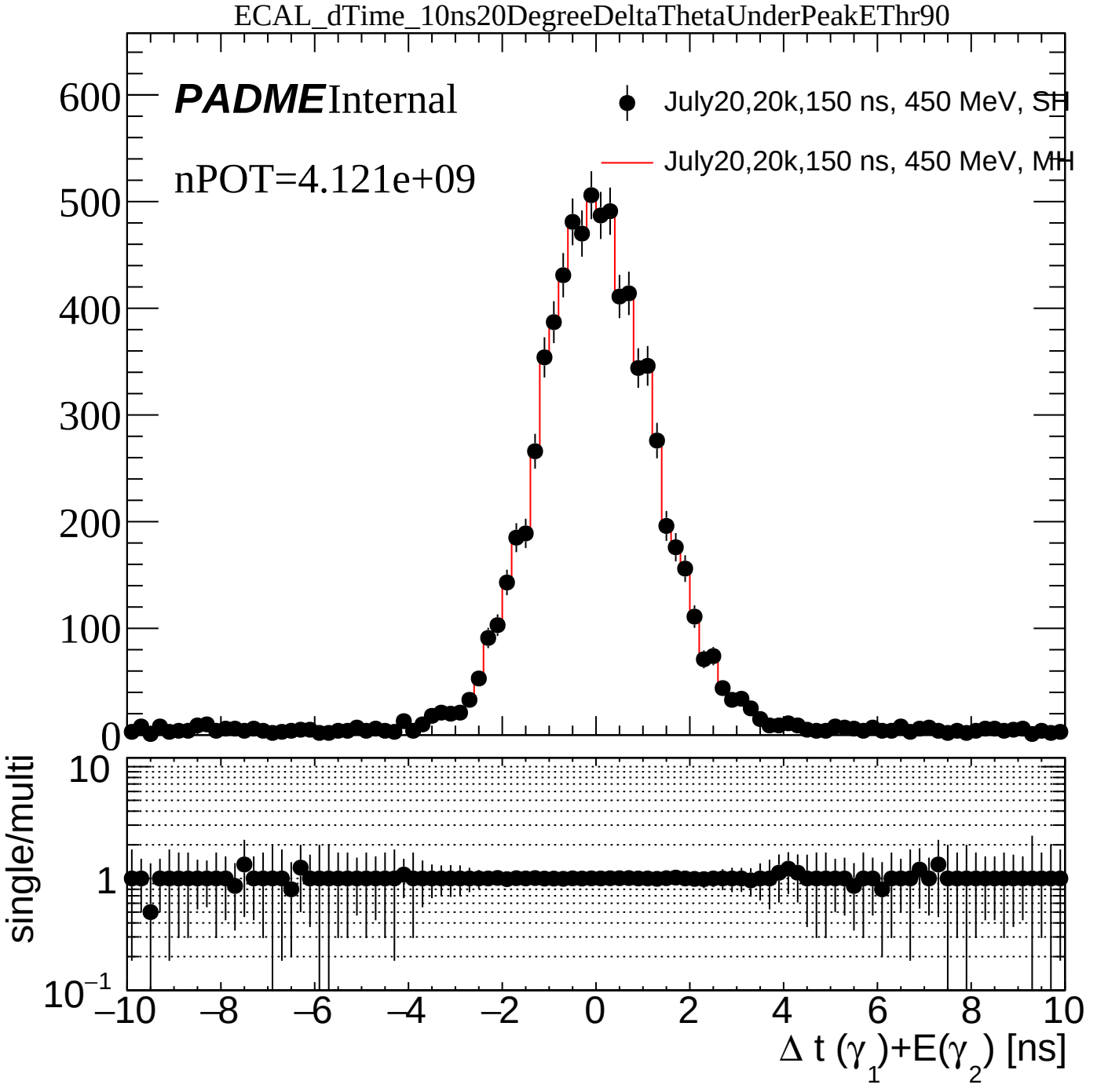

ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

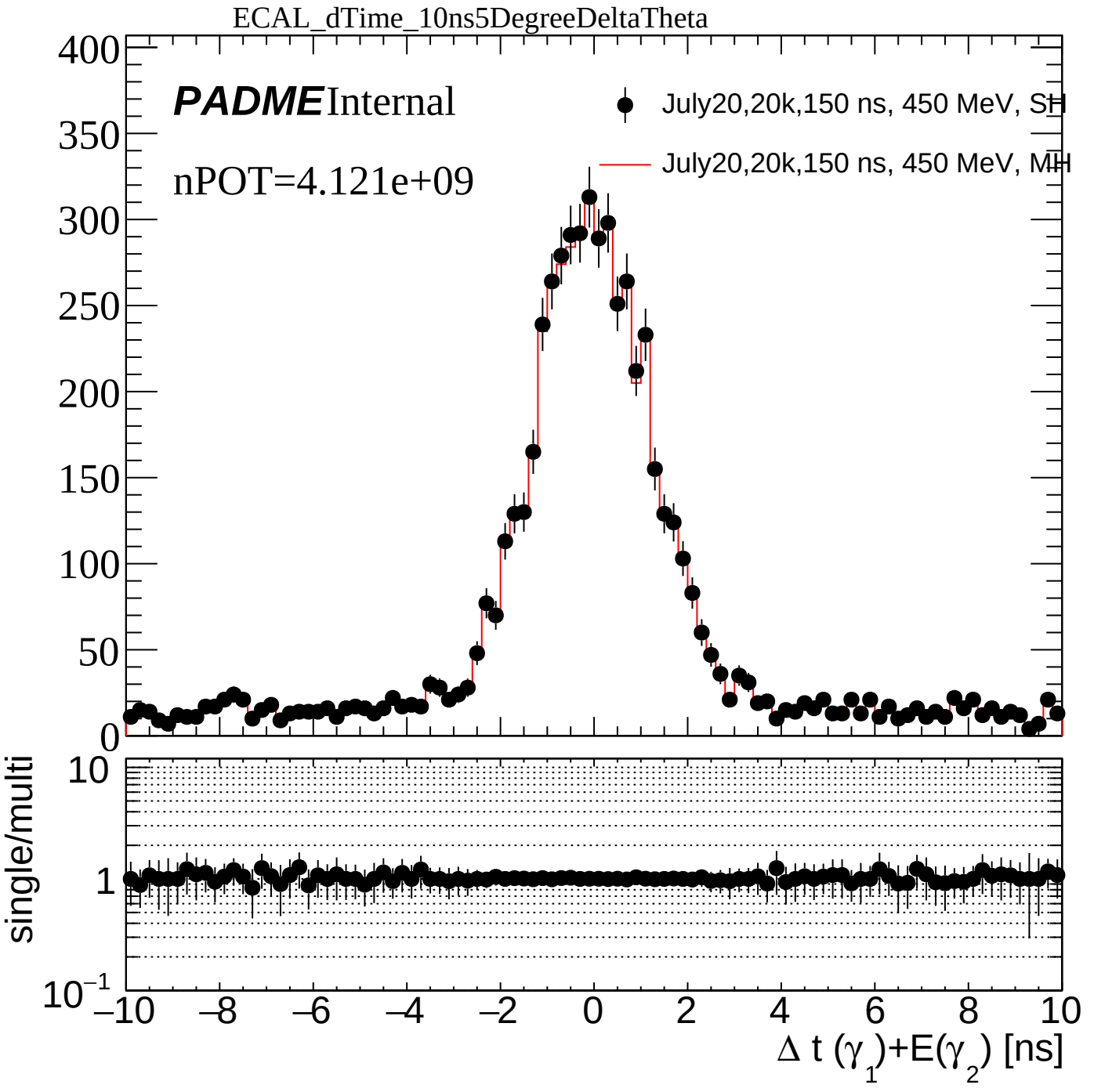

ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
700
800
900
$E(\gamma_1)+E(\gamma_2)$ [MeV]

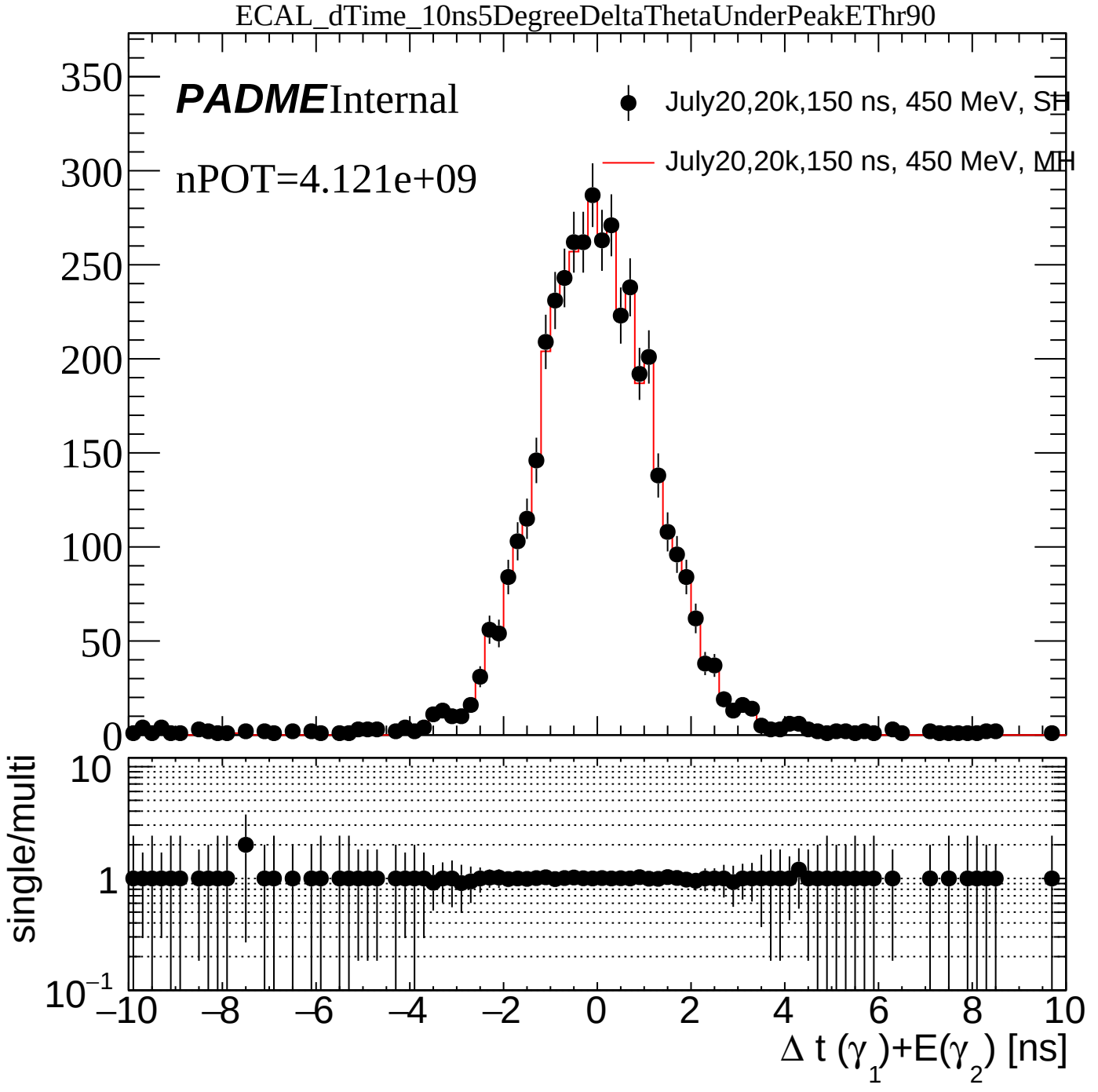

ECAL_dTime_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
3500
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ 1)+E(γ 2) [ns]

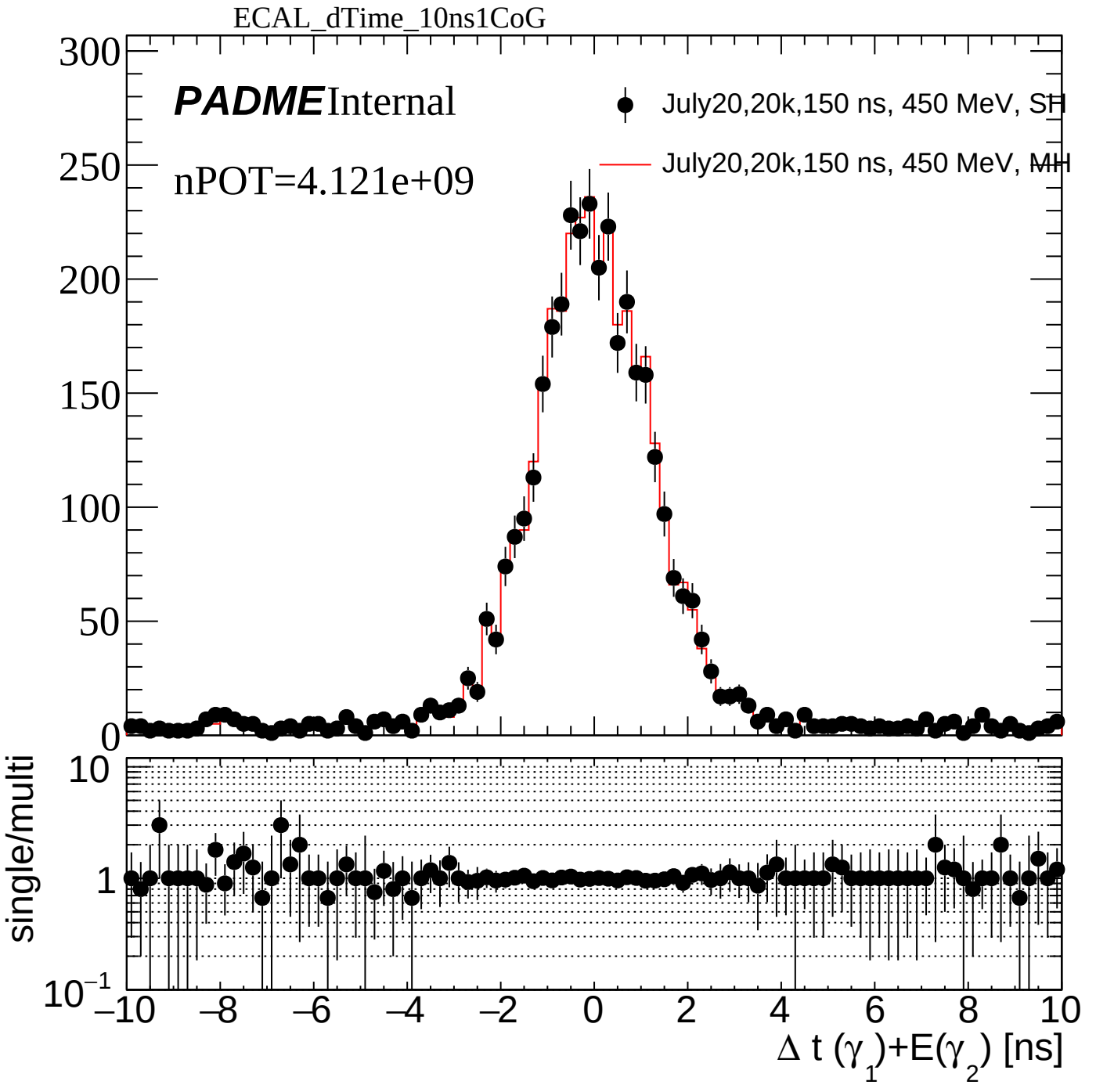

ECAL_dTime_10ns_UnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

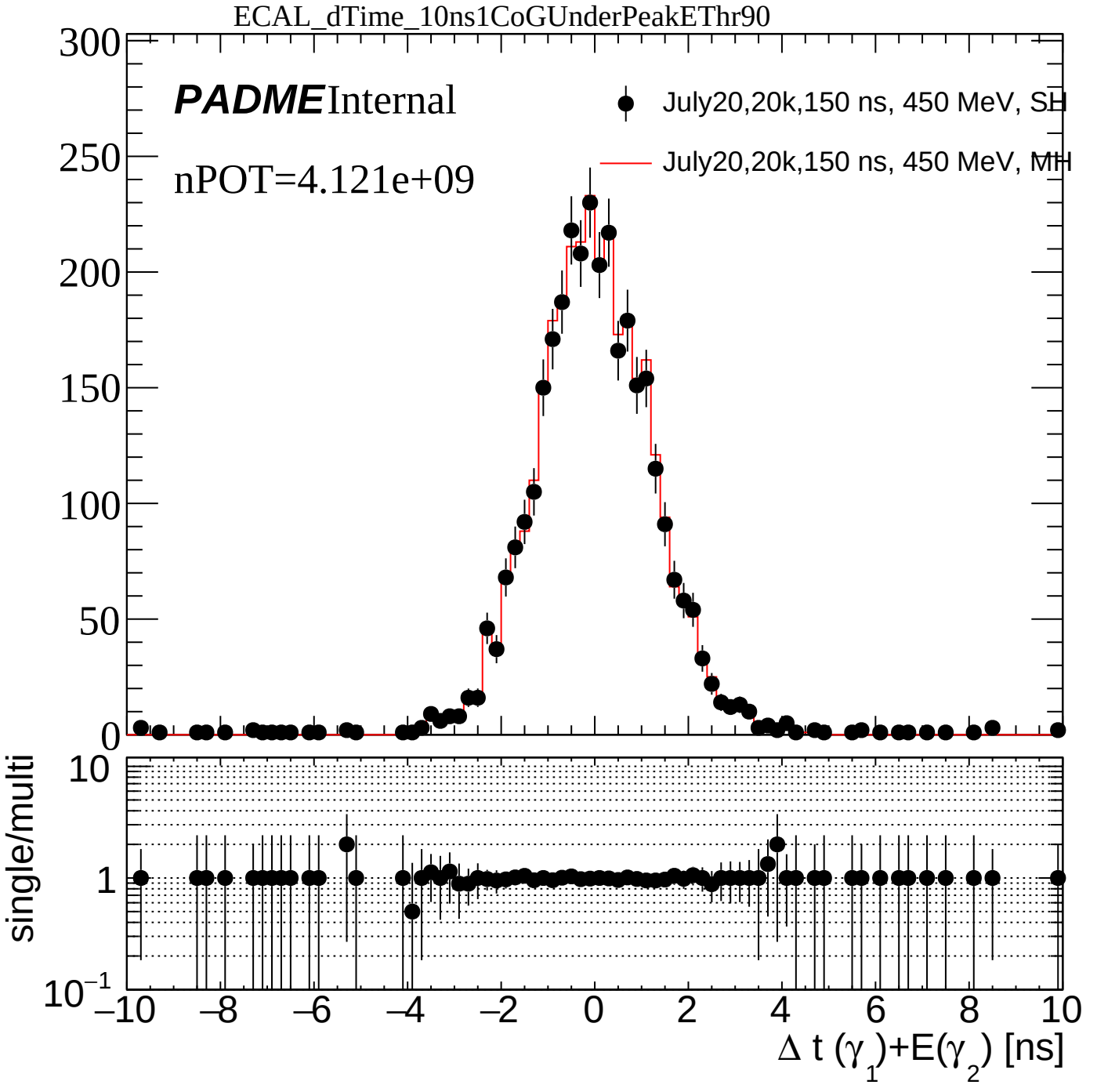

ECAL_dTime_10ns20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ 1)+E(γ 2) [ns]

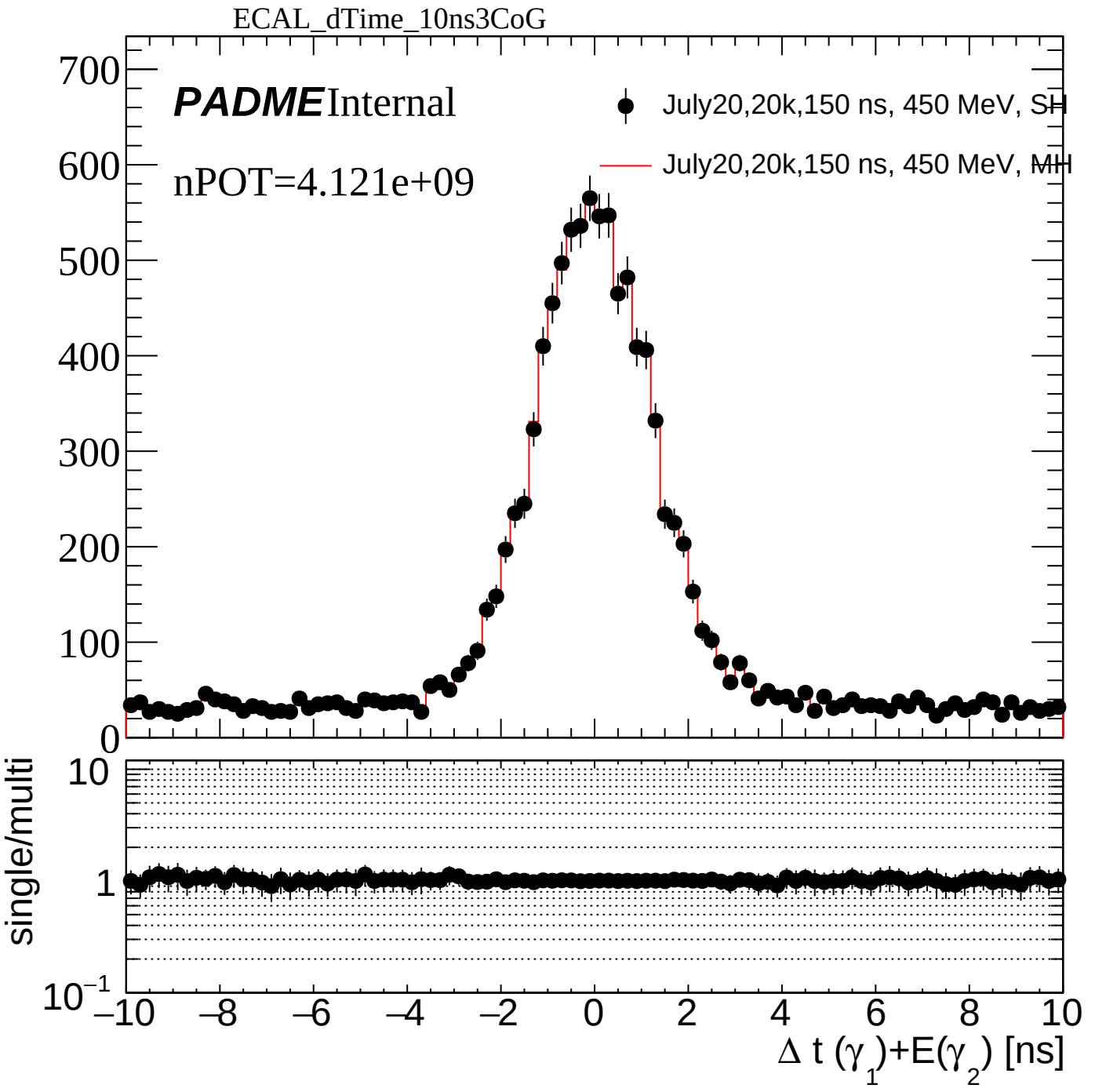

ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

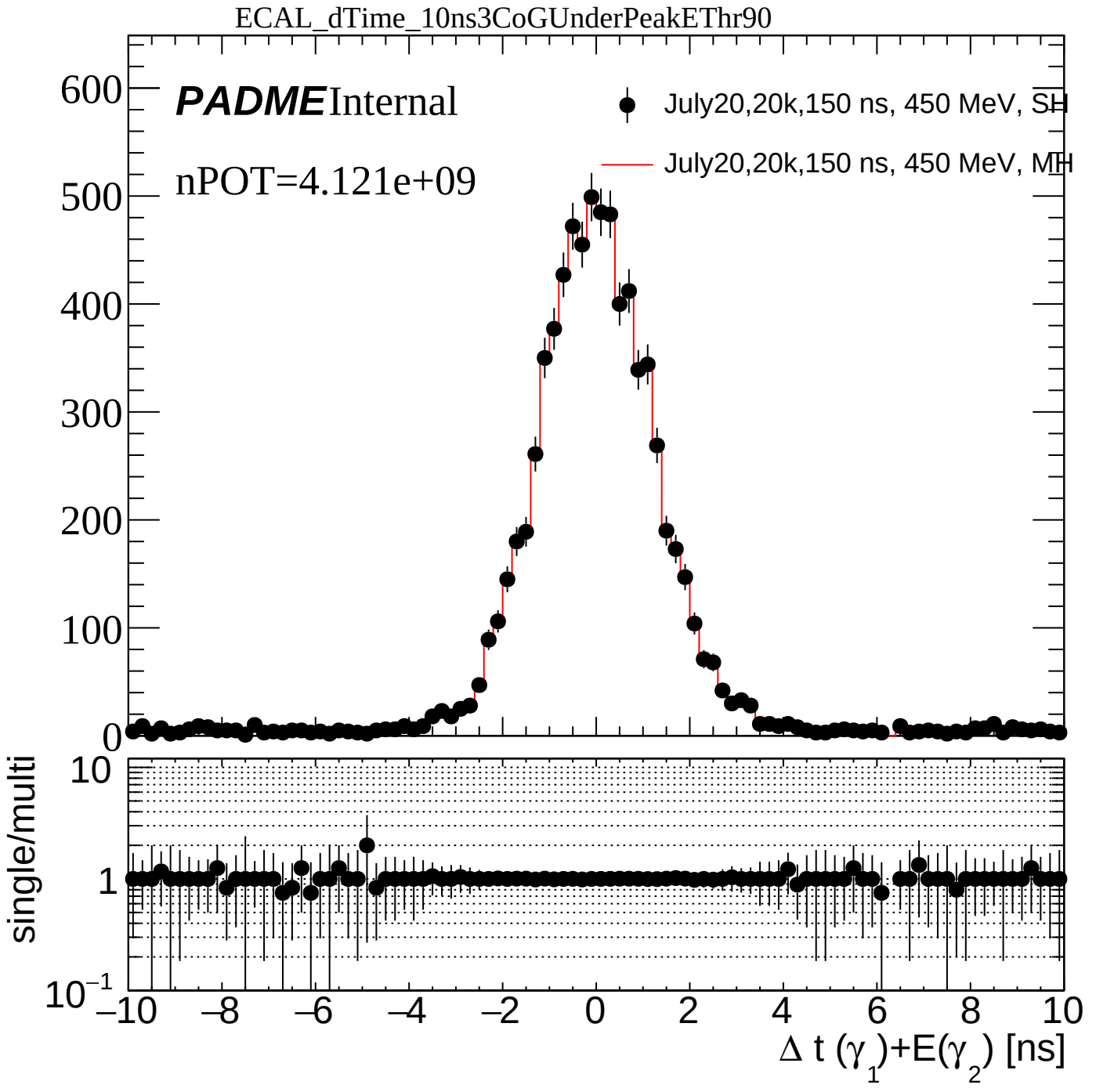

ECAL_dTime_10ns5DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

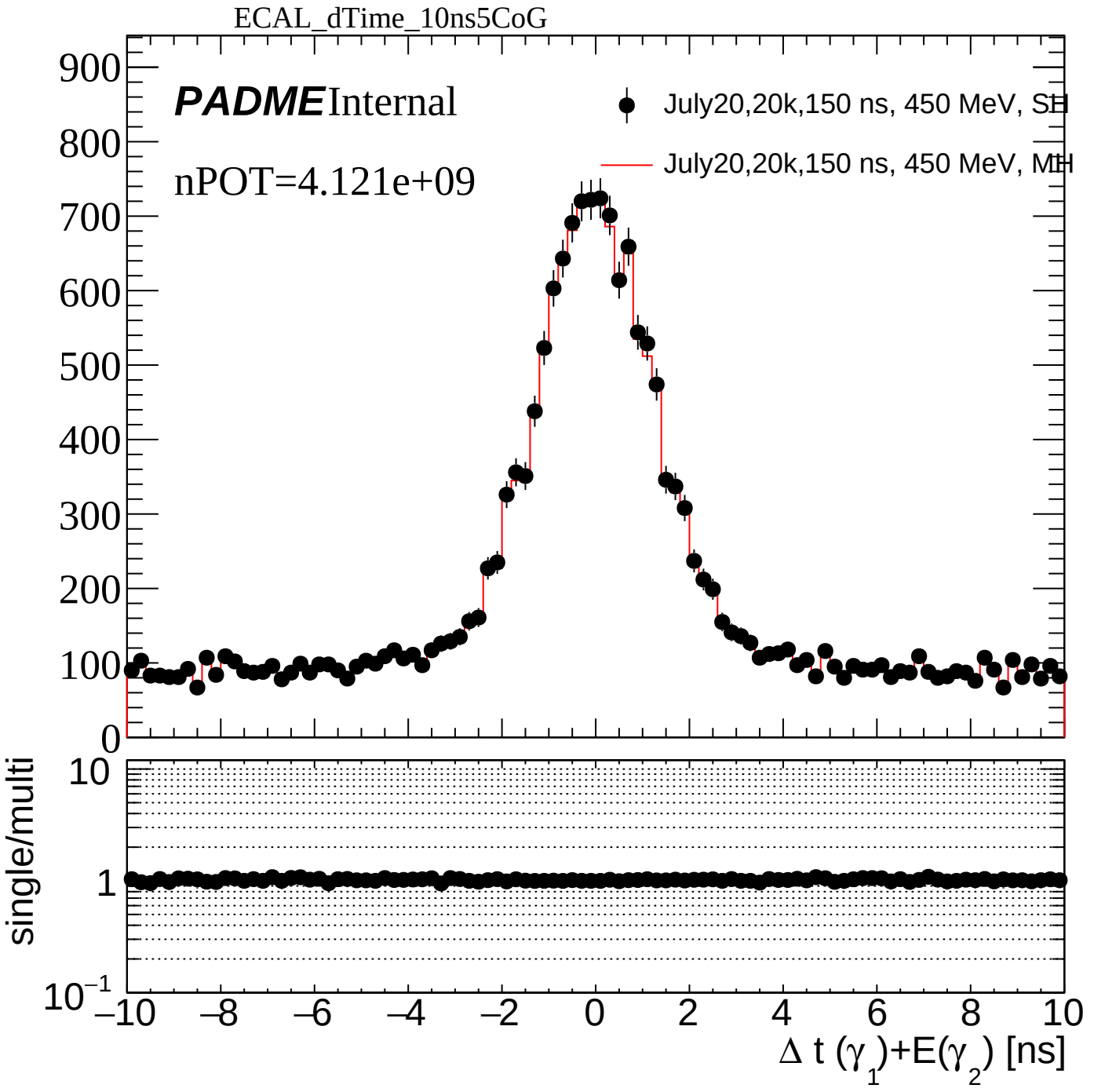

ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

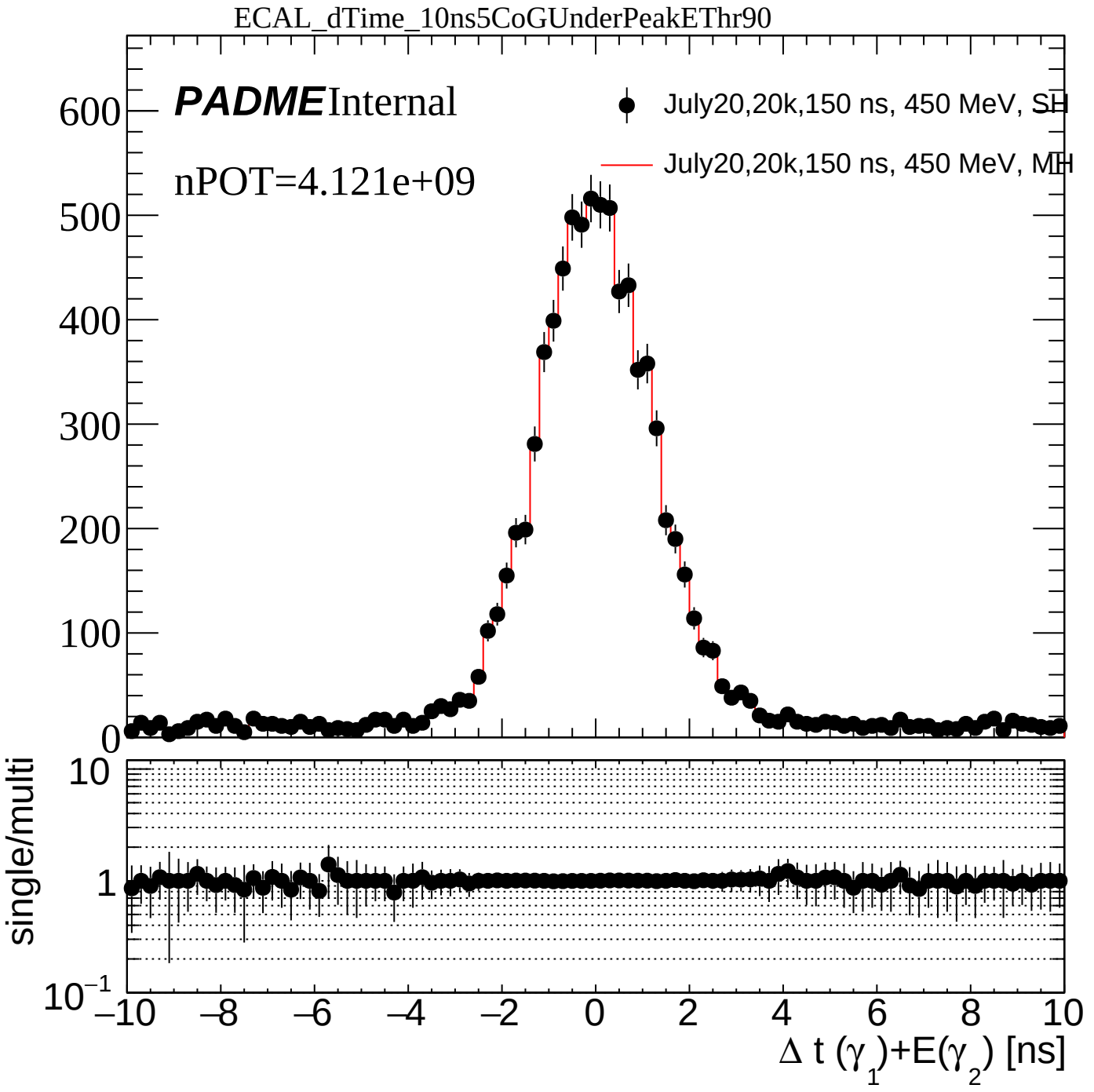

ECAL_dTime_10ns1CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10⁻¹
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

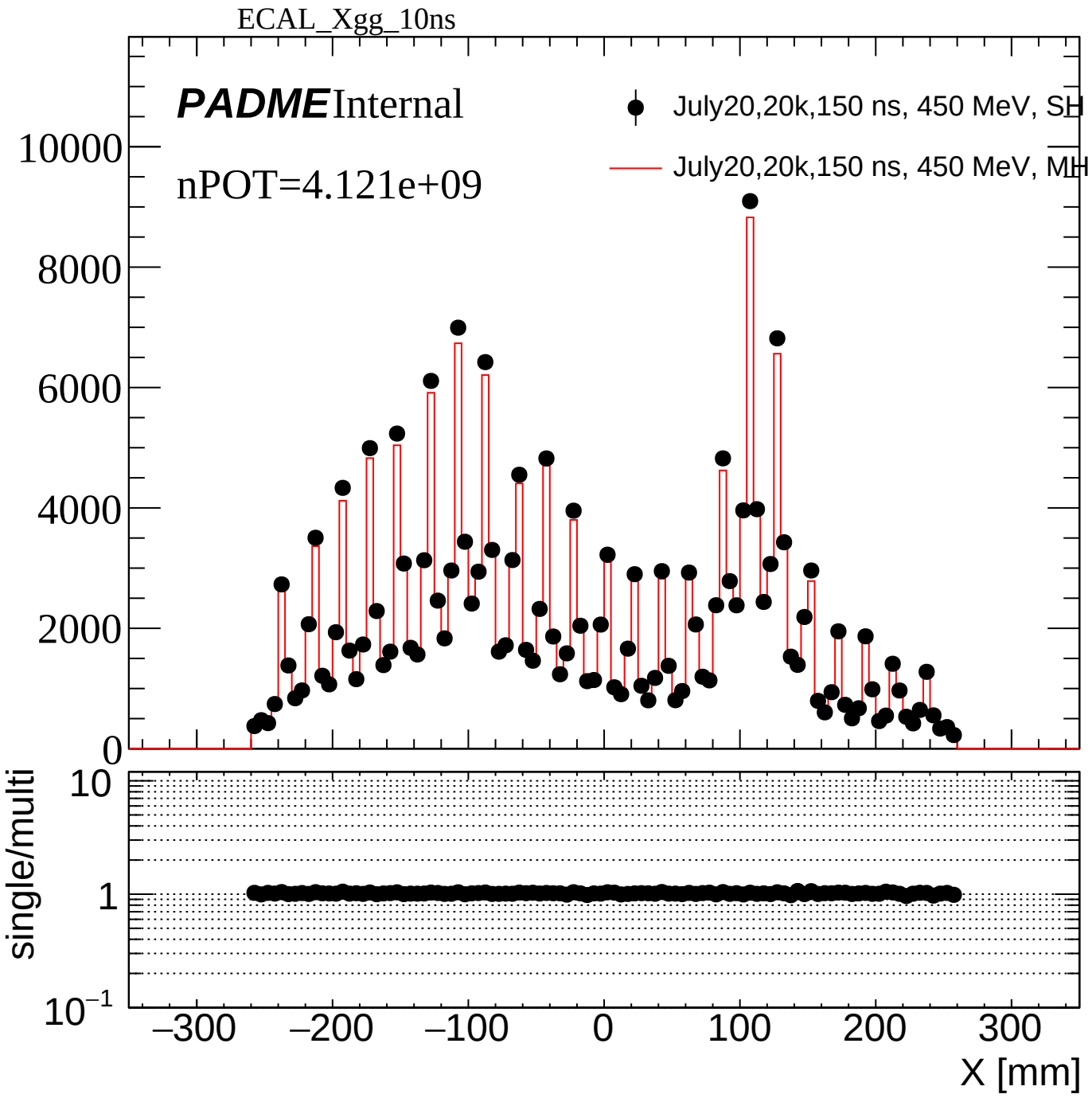

ECAL_dTime_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

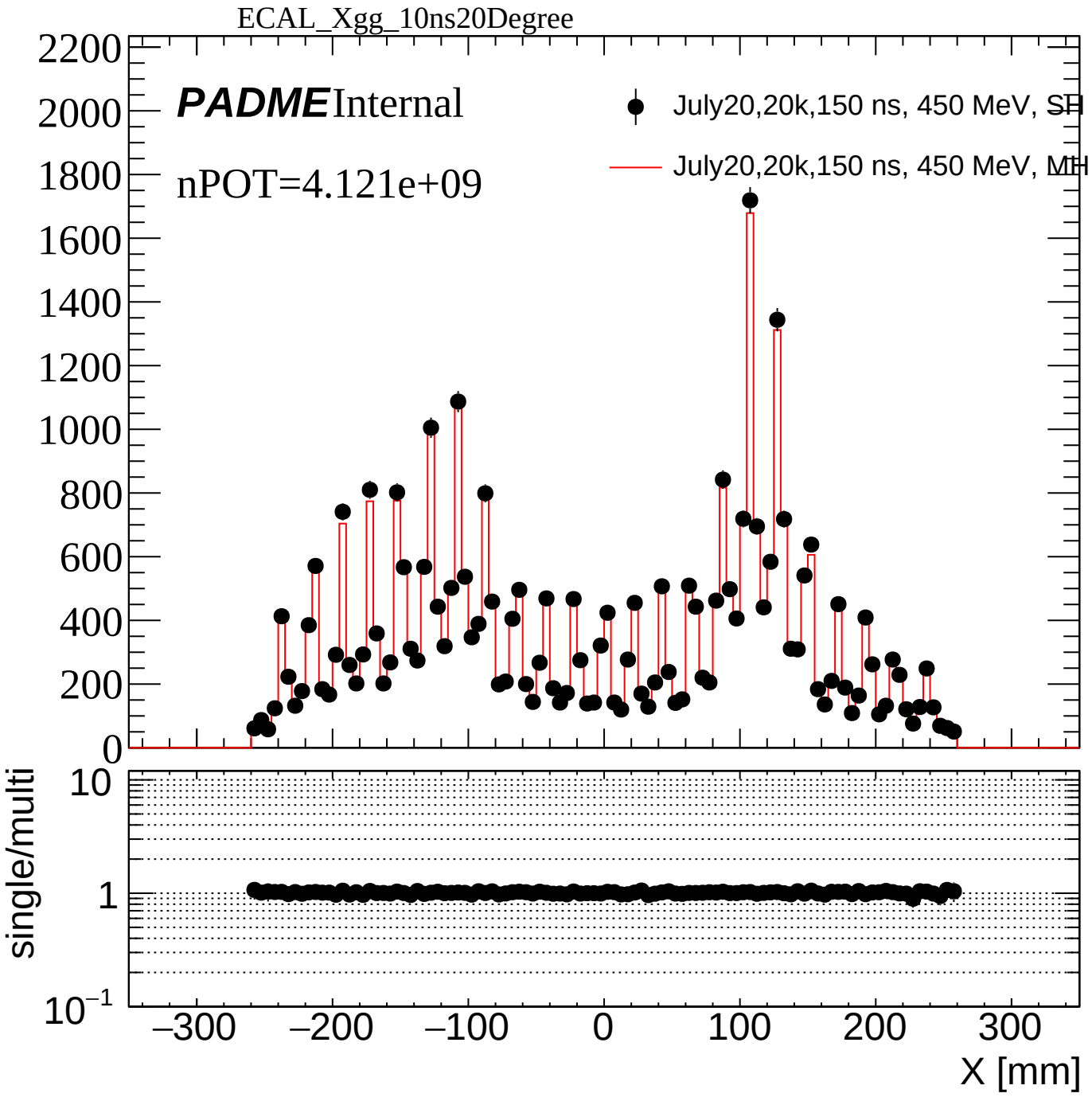

ECAL_dTime_10ns3CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ 1)+E(γ 2) [ns]

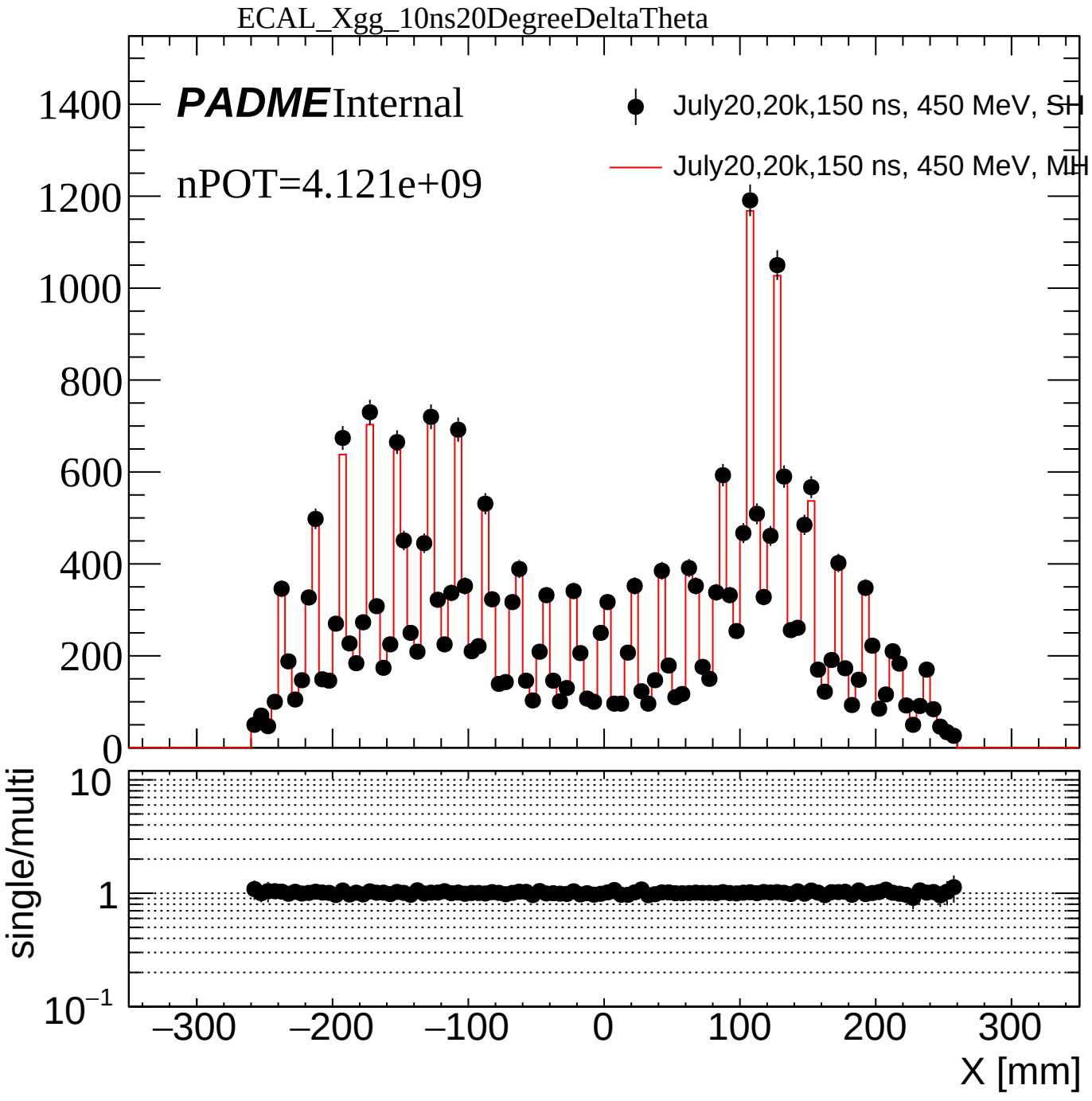

ECAL_dTime_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

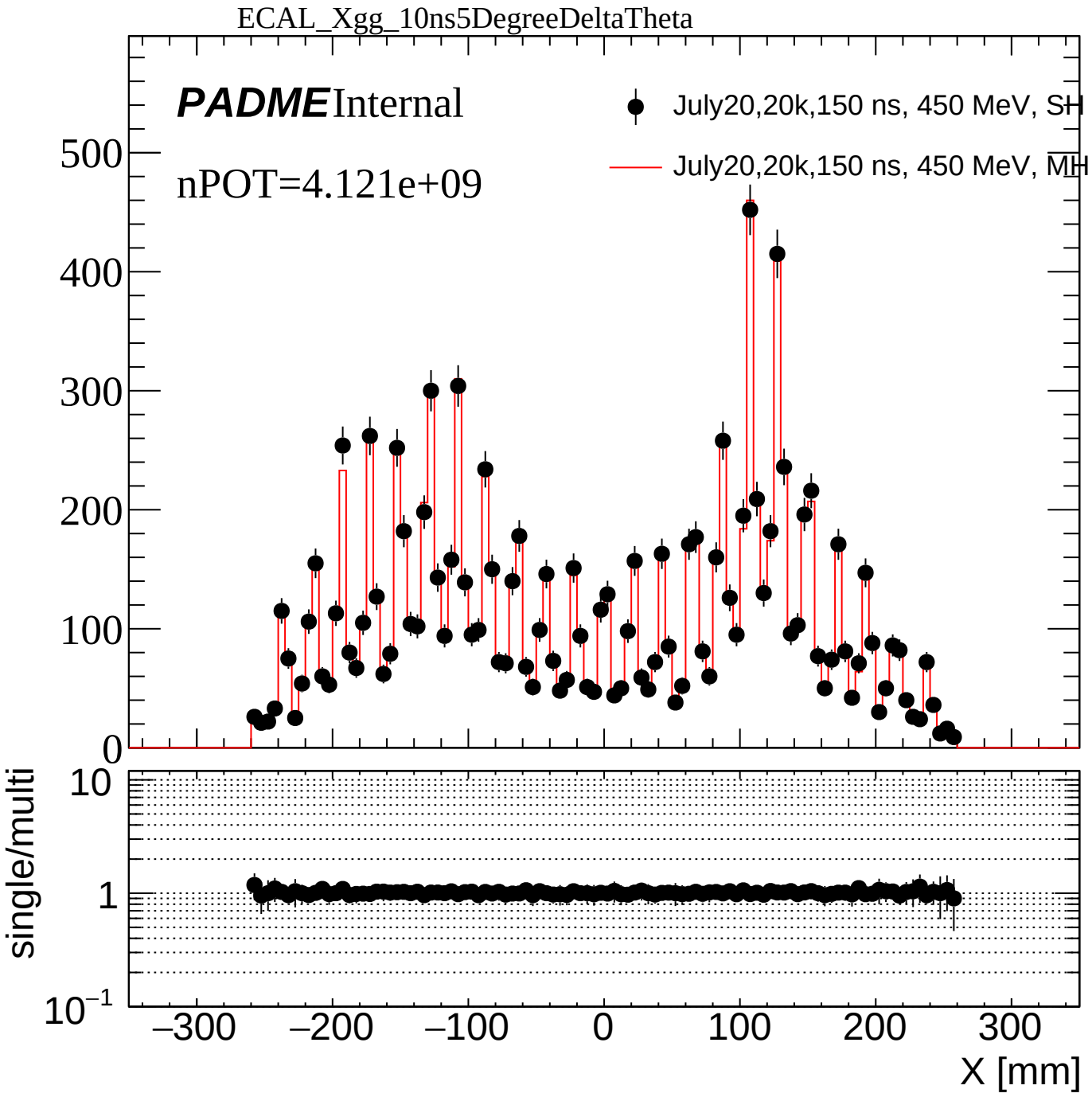

ECAL_dTime_10ns5CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
900
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ 1)+E(γ 2) [ns]

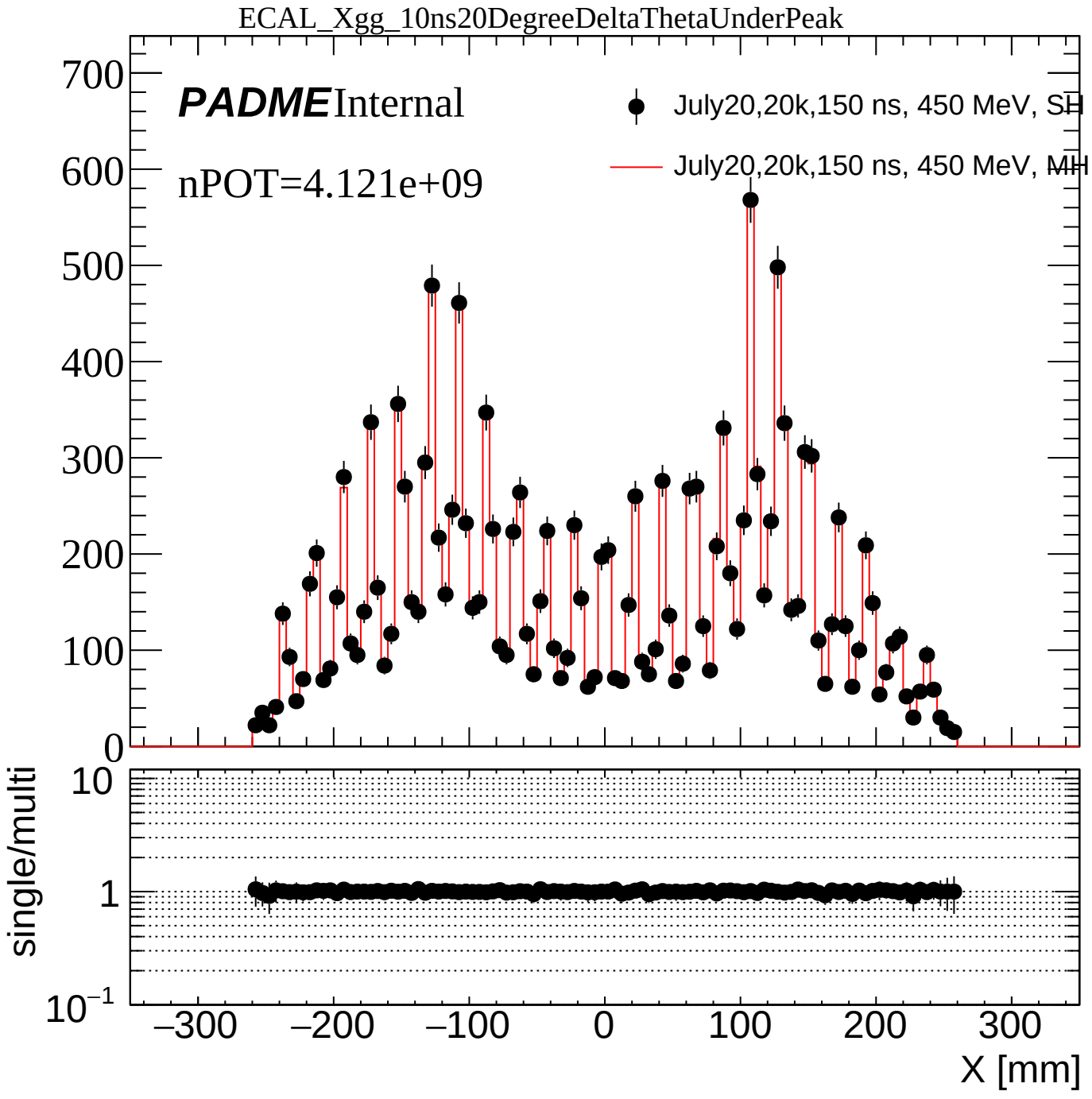

ECAL_dTime_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t (γ1)+E(γ2) [ns]

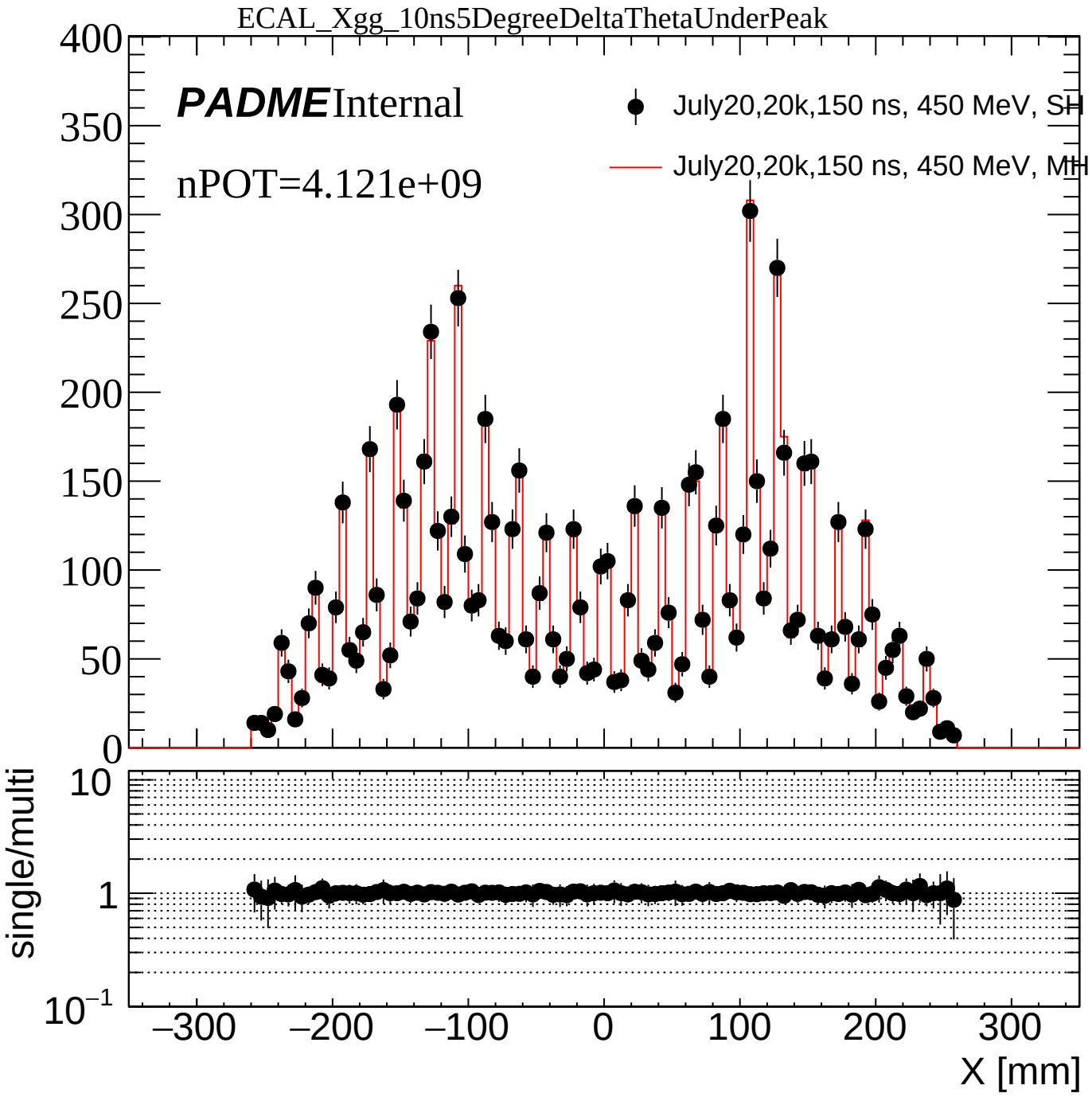

ECAL_Xgg_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
10000
8000
6000
4000
2000
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

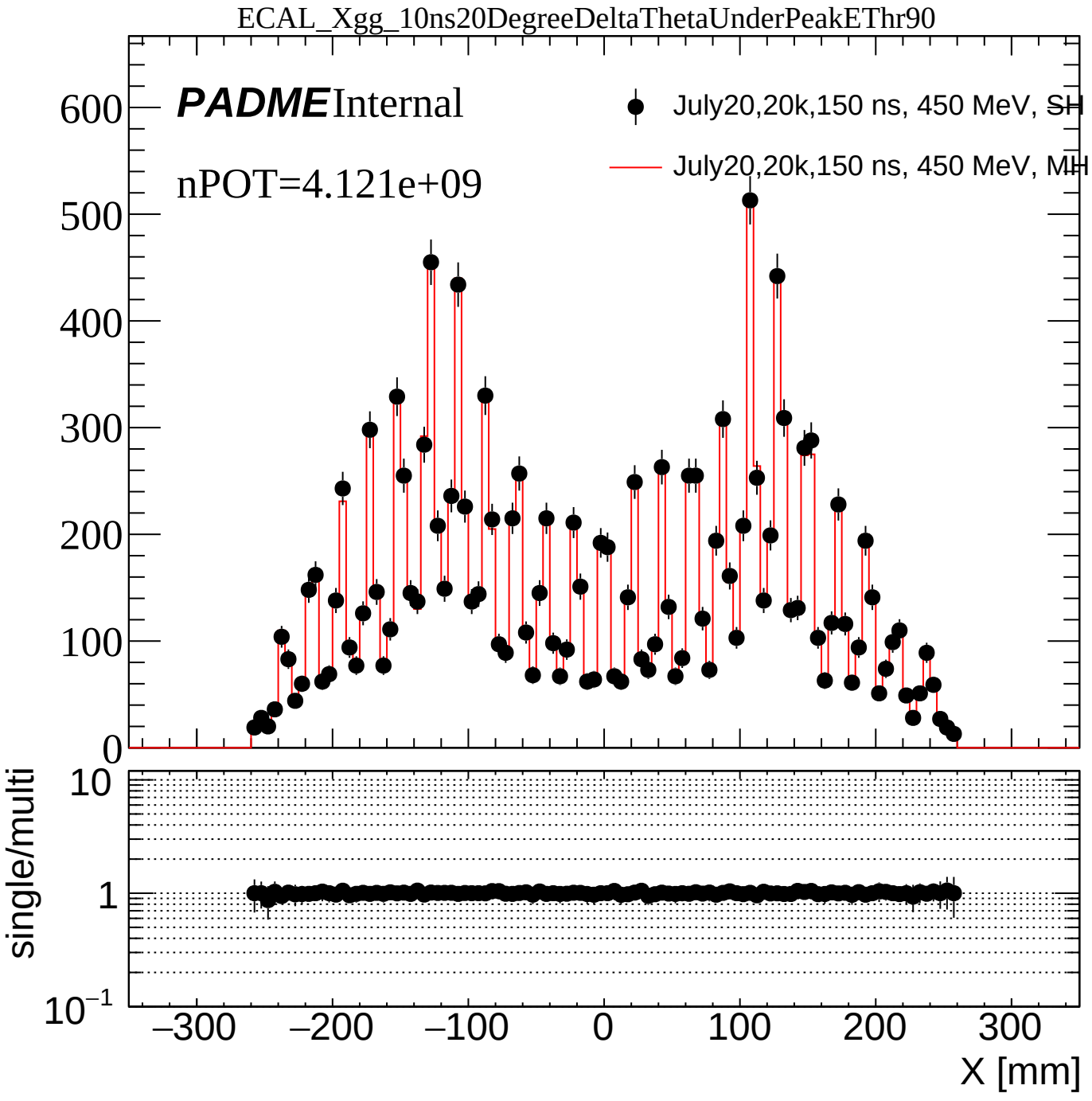

ECAL_Xgg_10ns20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

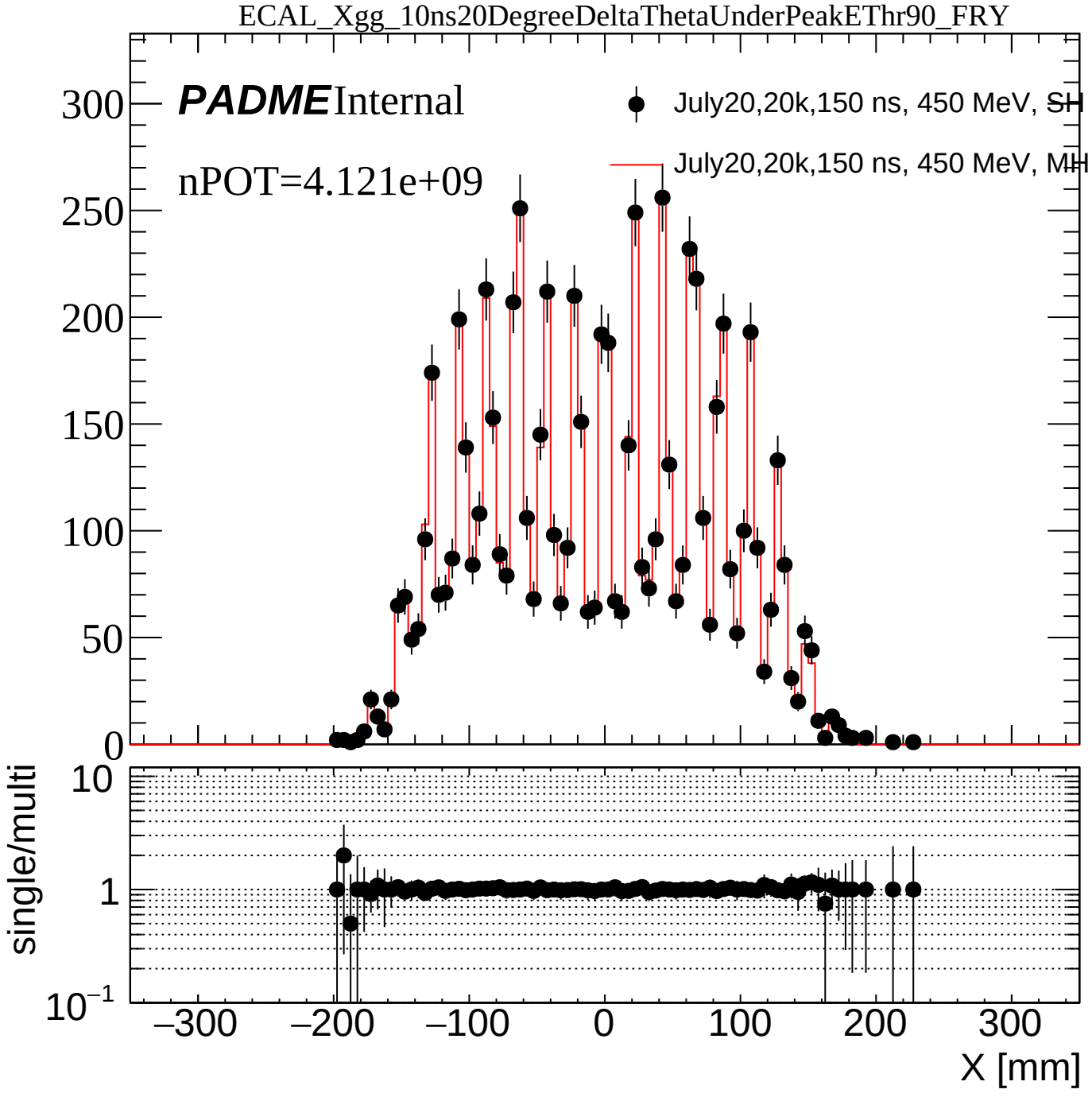

ECAL_Xgg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

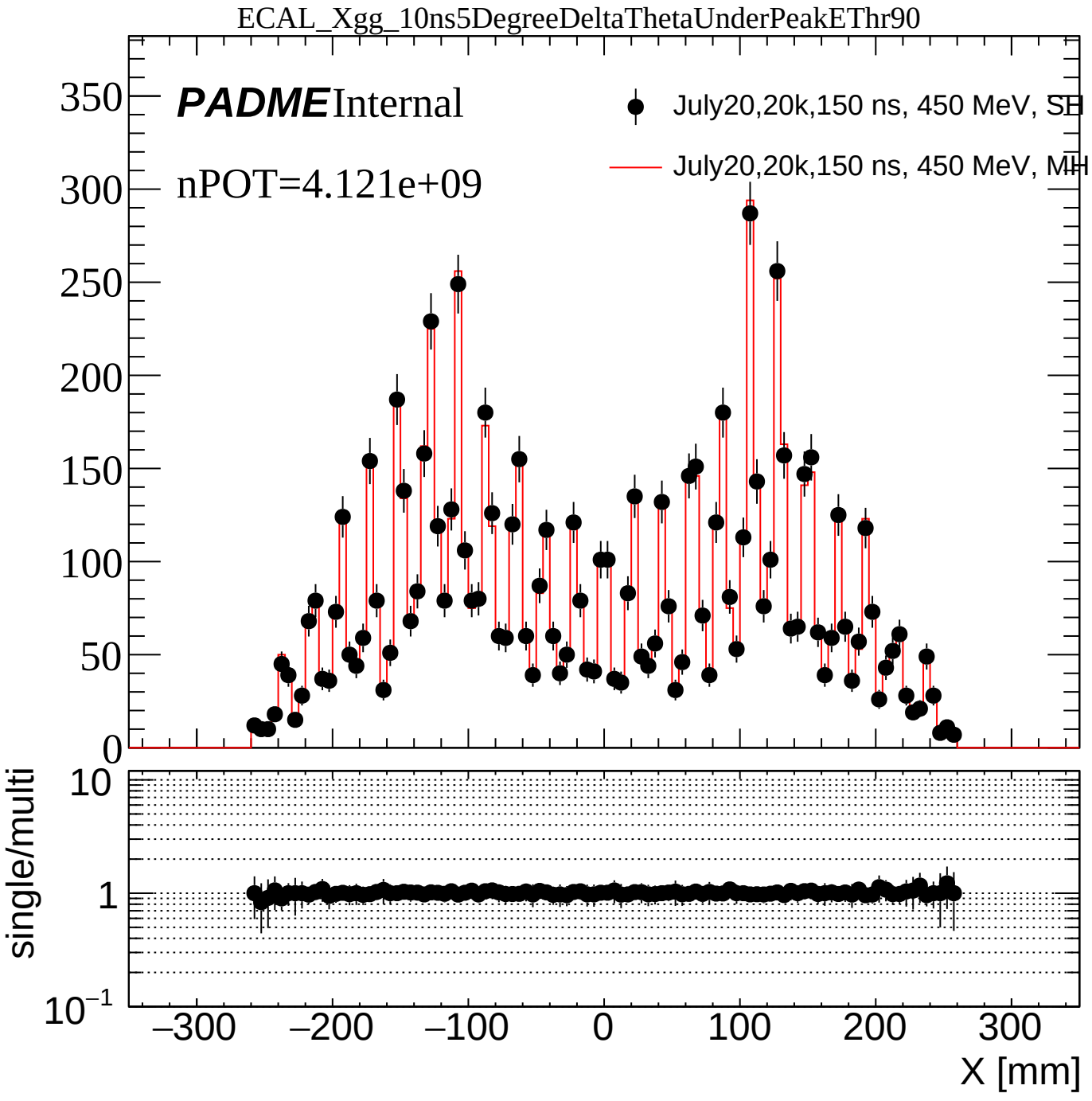

ECAL_Xgg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
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100
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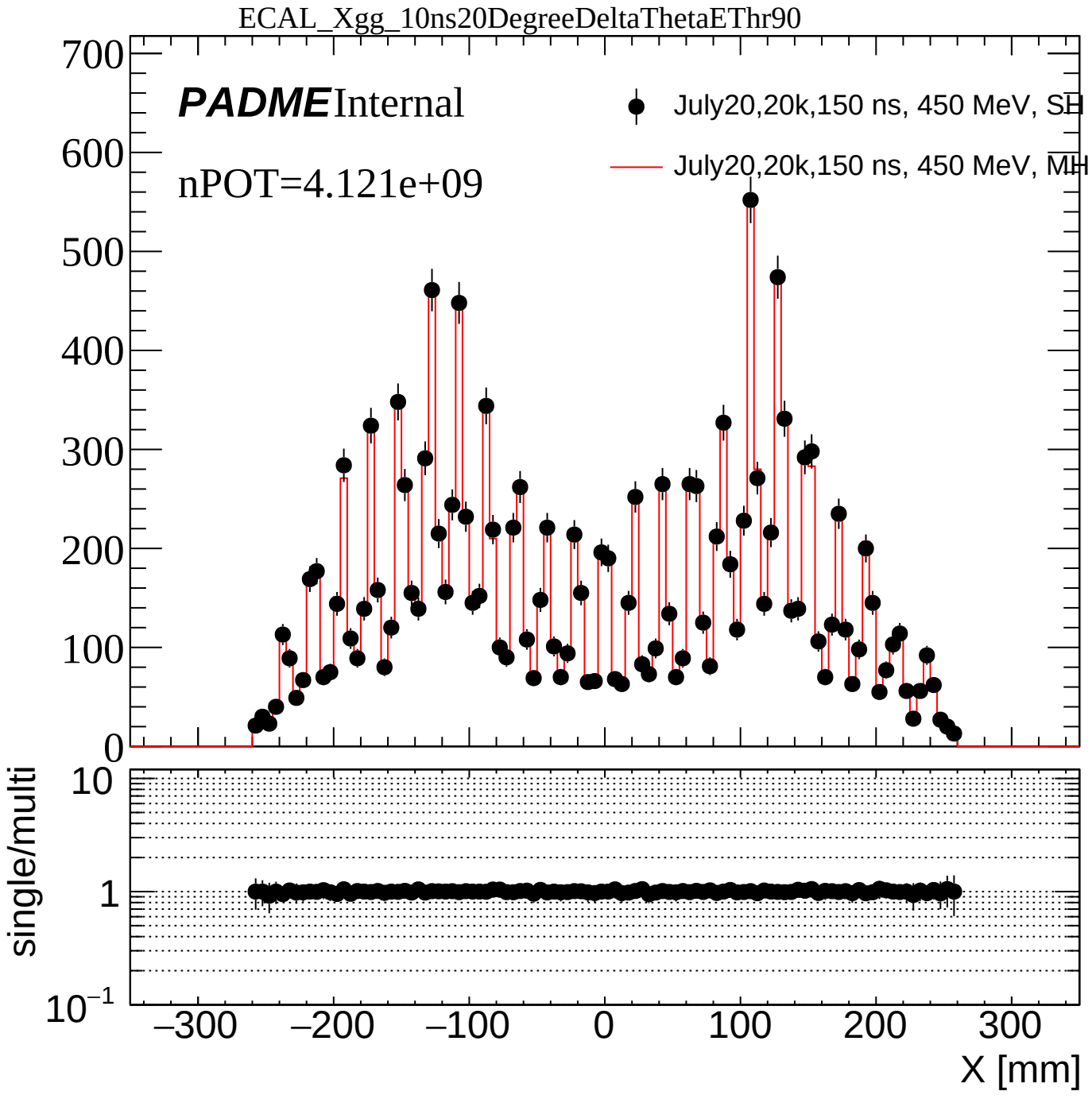
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
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200
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0
single/multi
10
1
10^{-1}
–300
–200
–100
0
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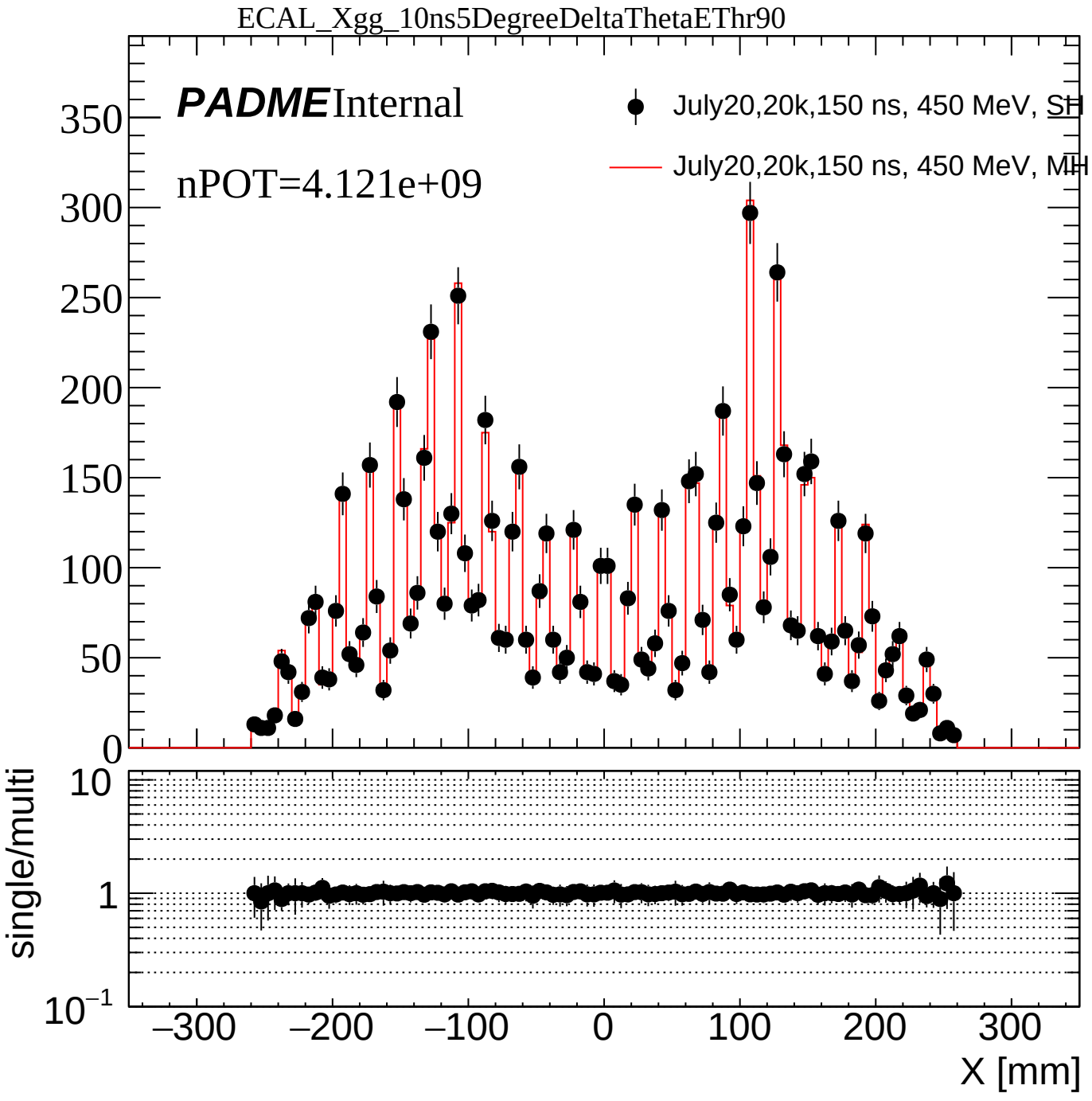
200
300
X [mm]


ECAL_Xgg_10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
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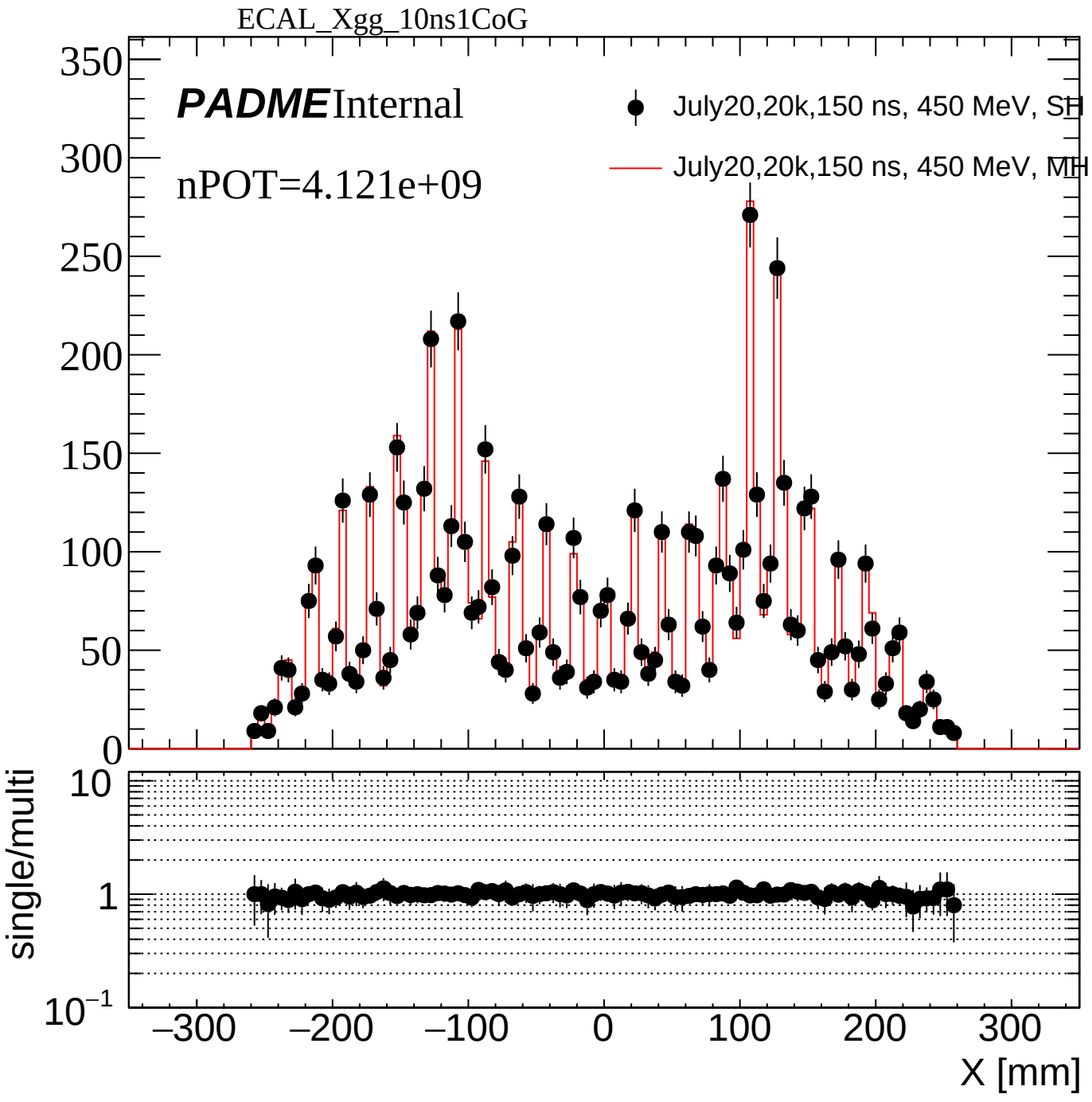
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns1CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
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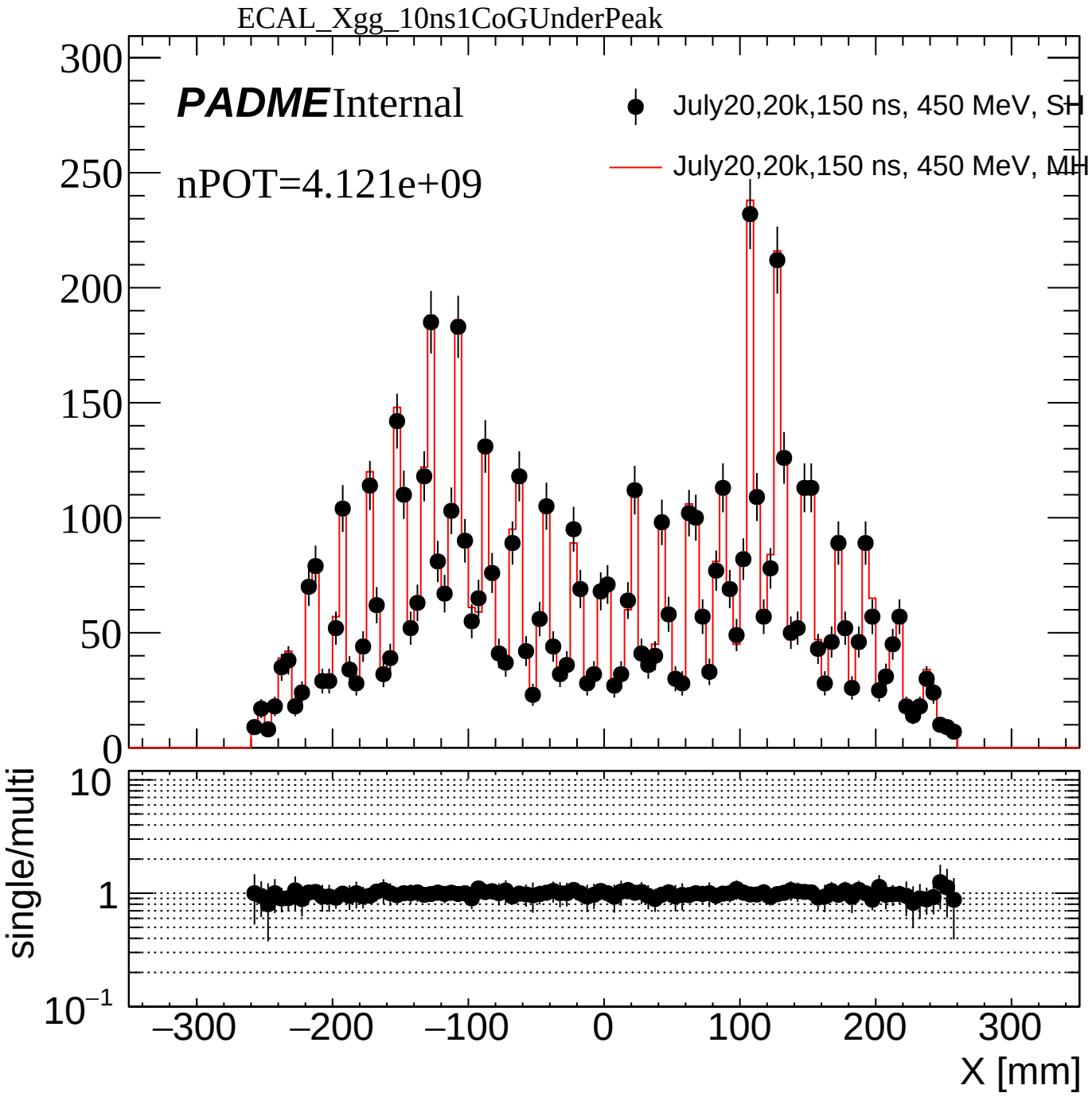
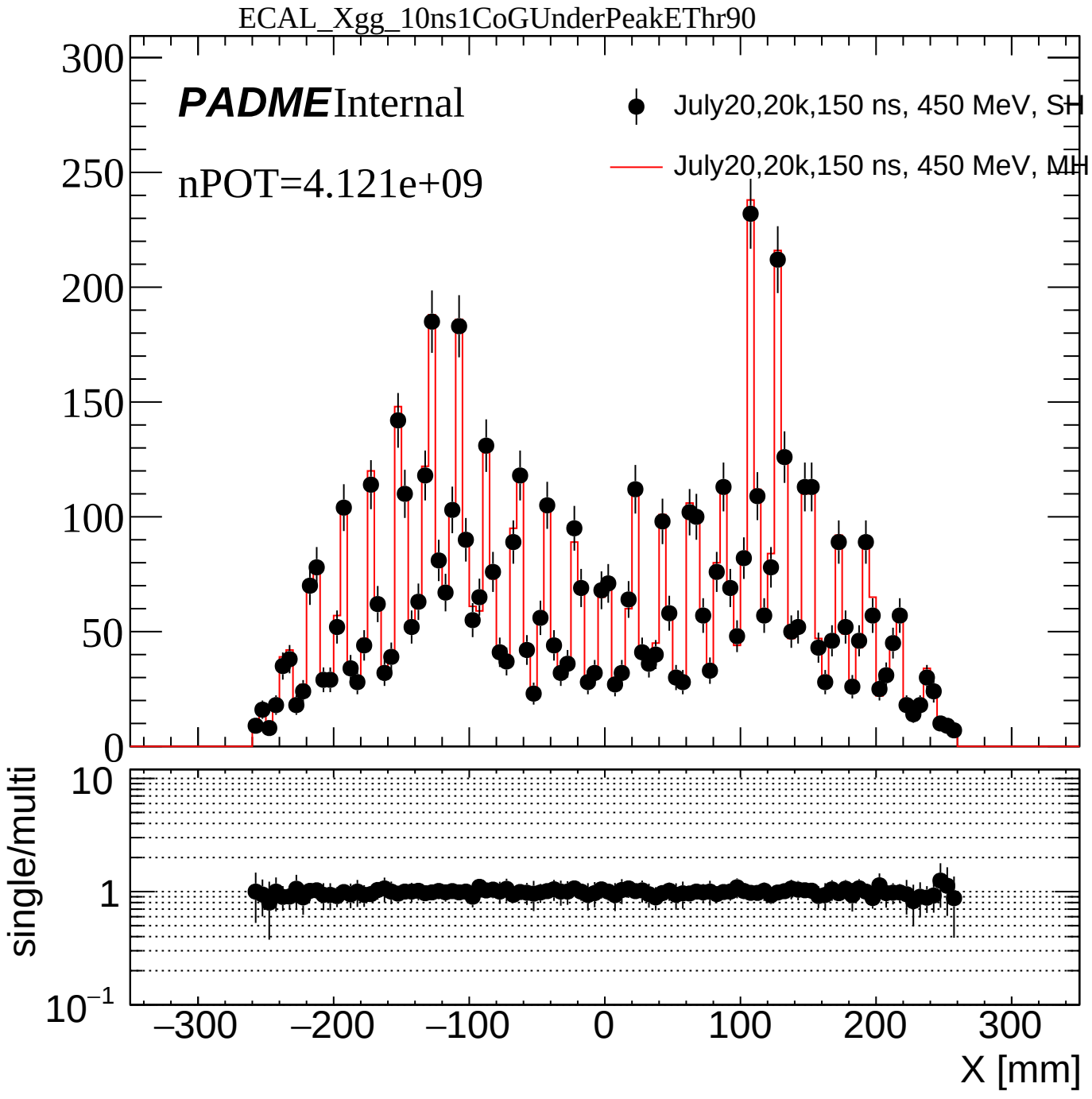
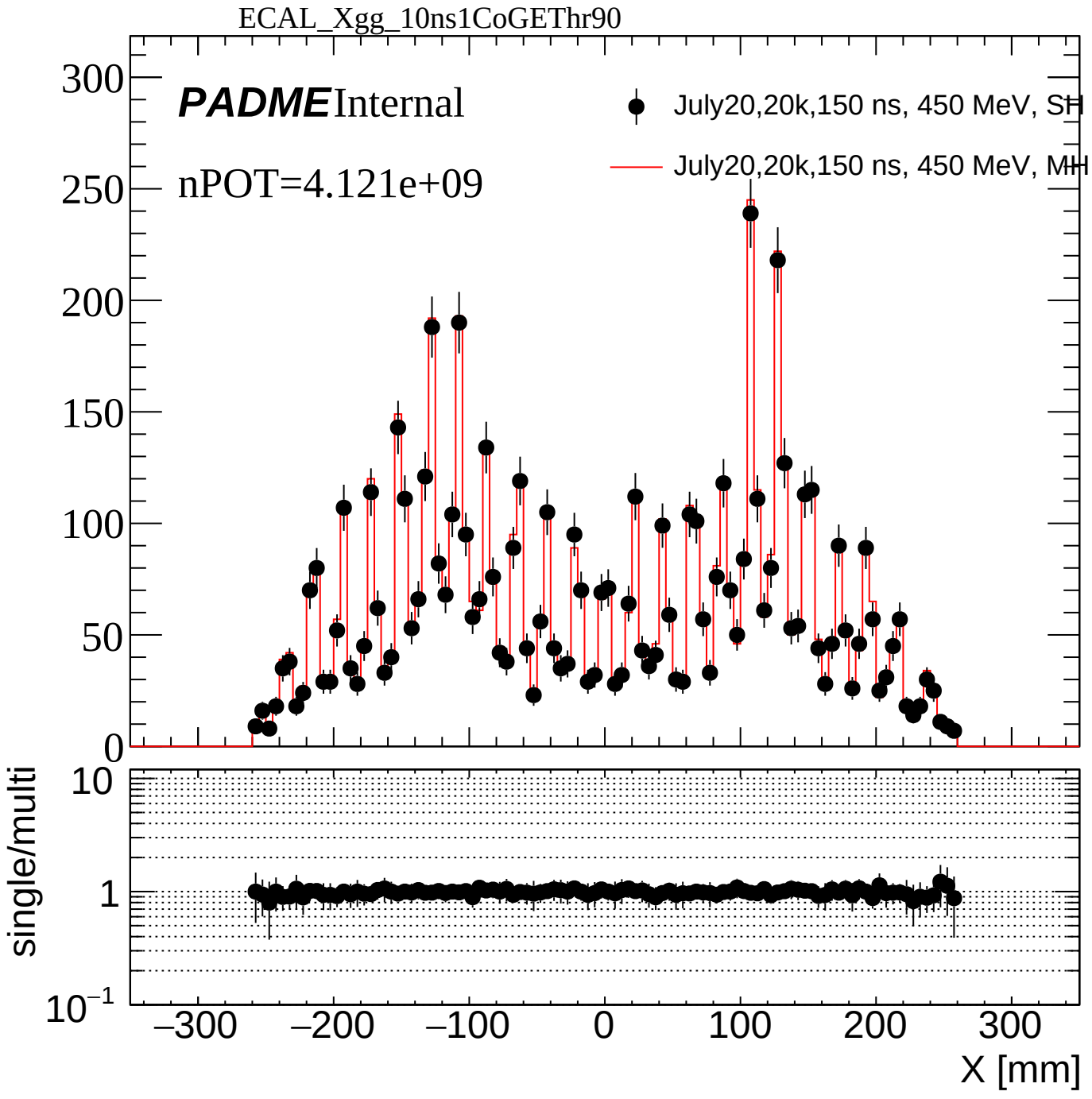
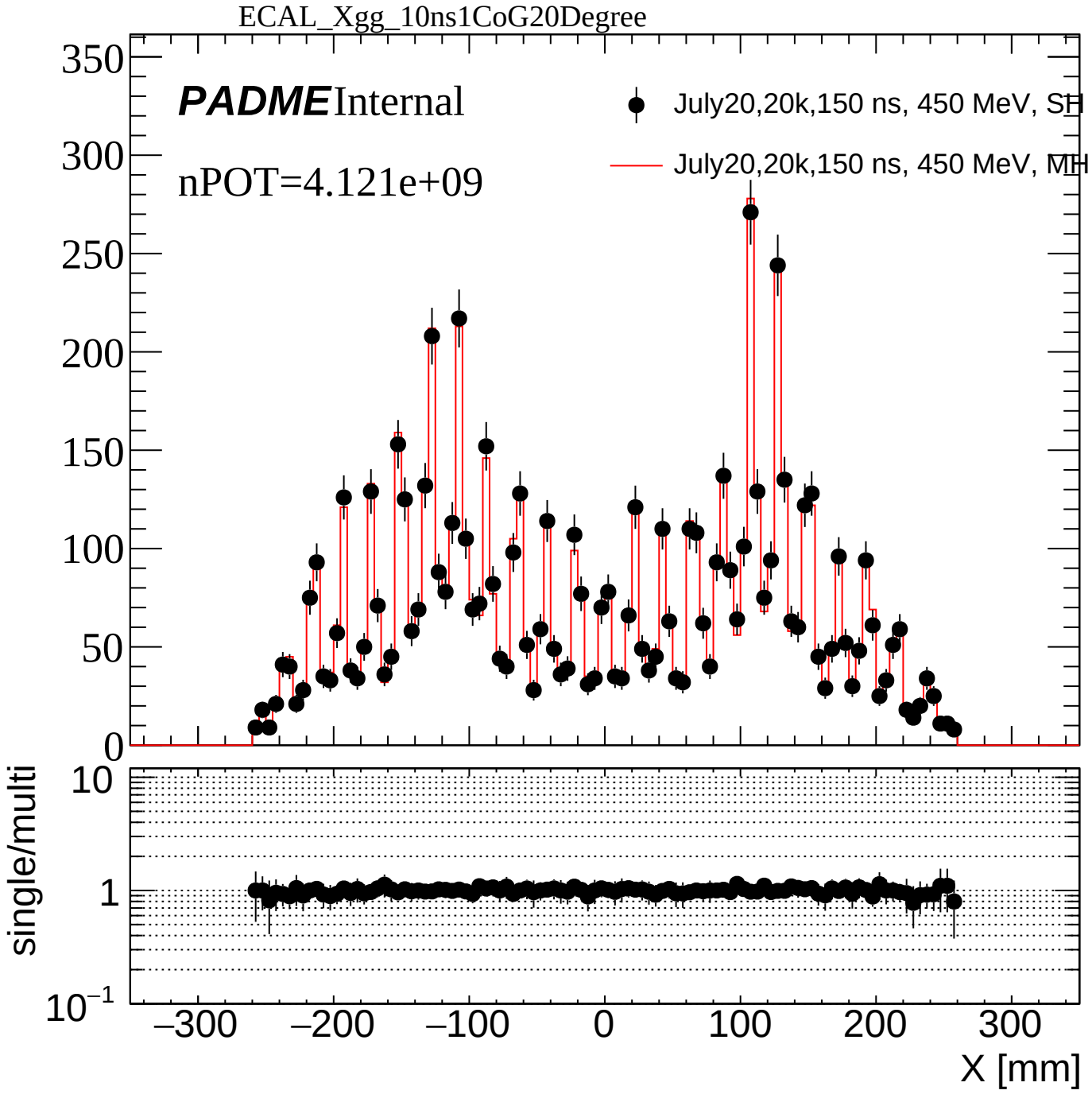
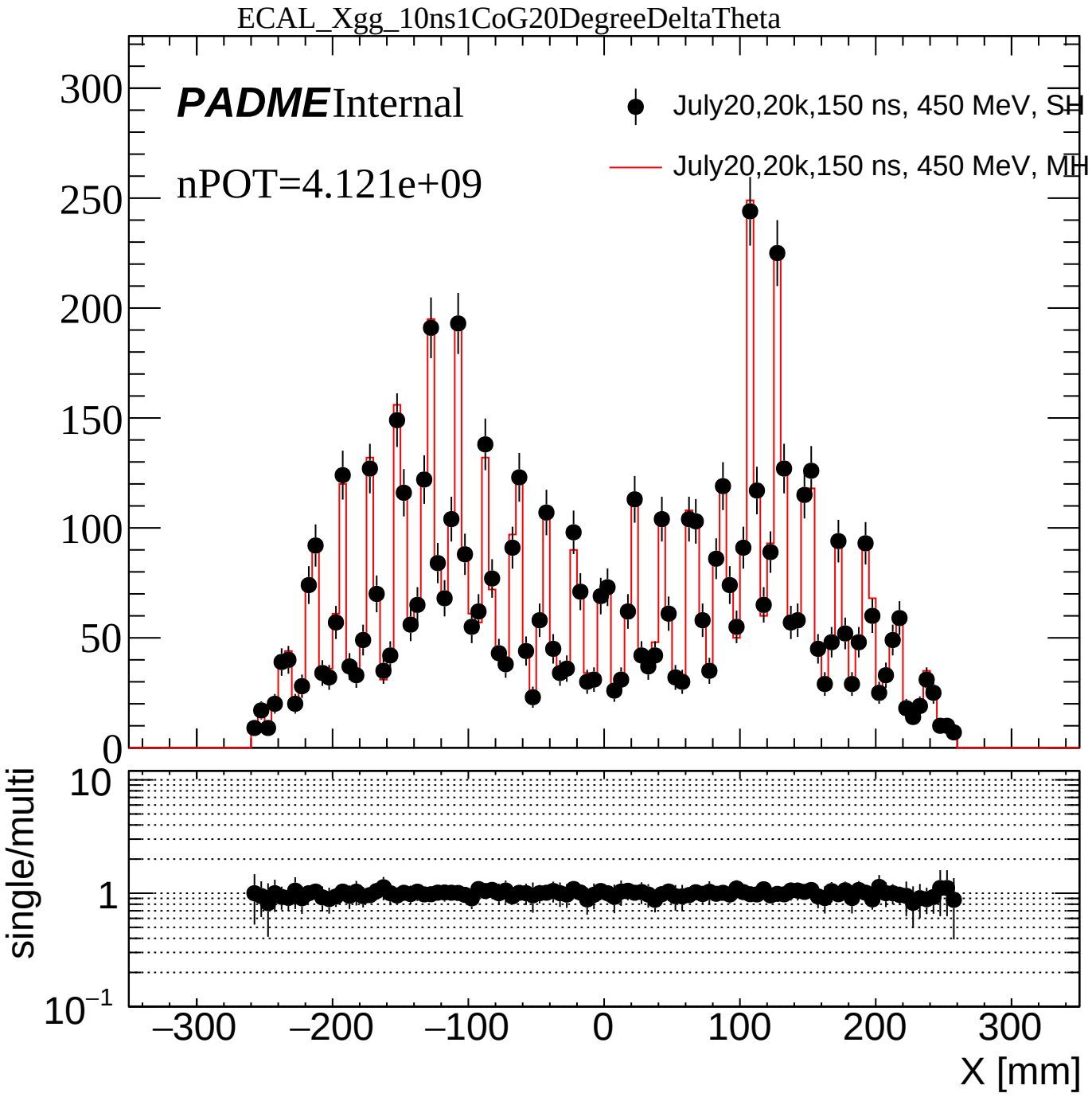
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

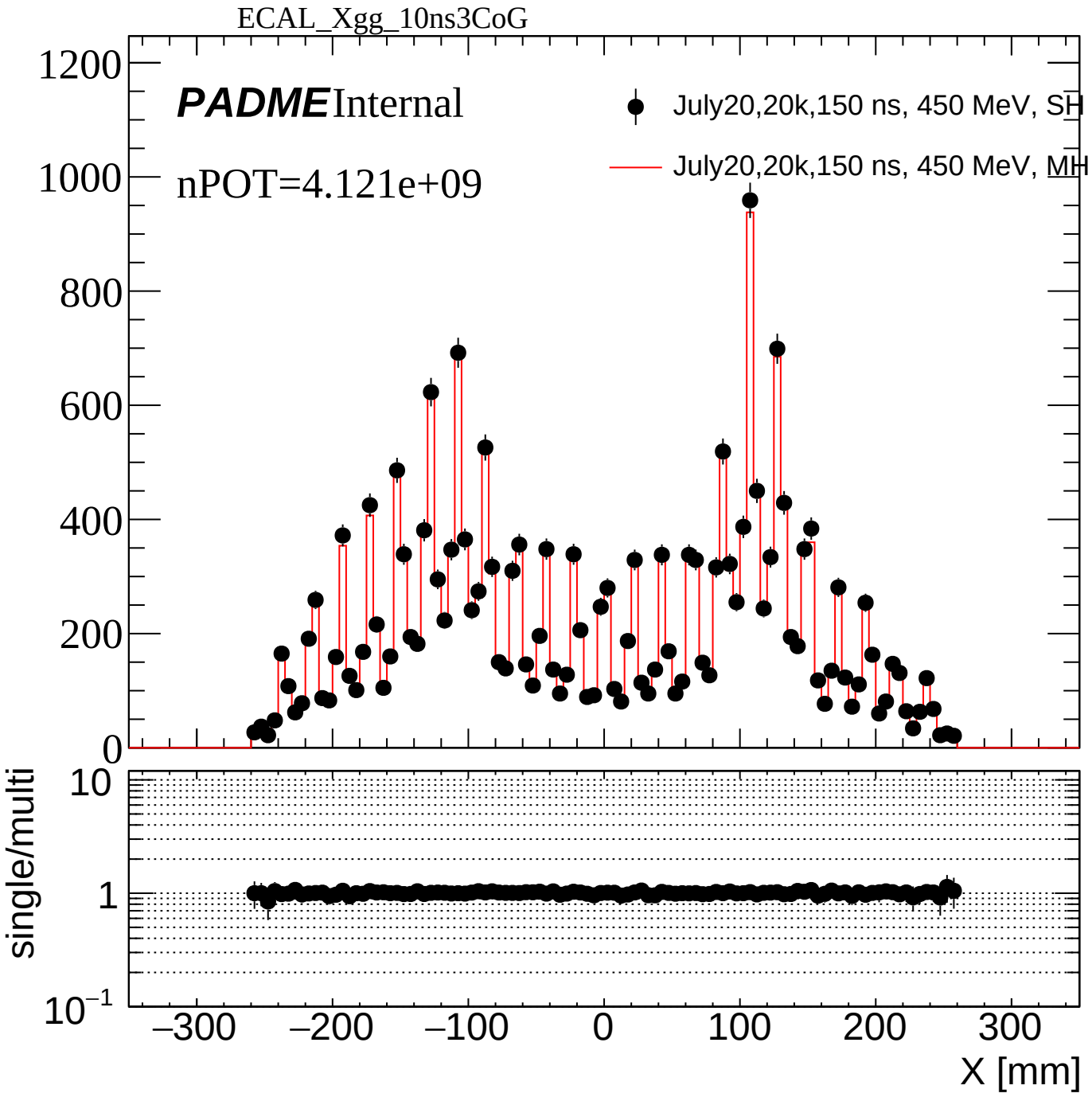

ECAL_Xgg_10ns1CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

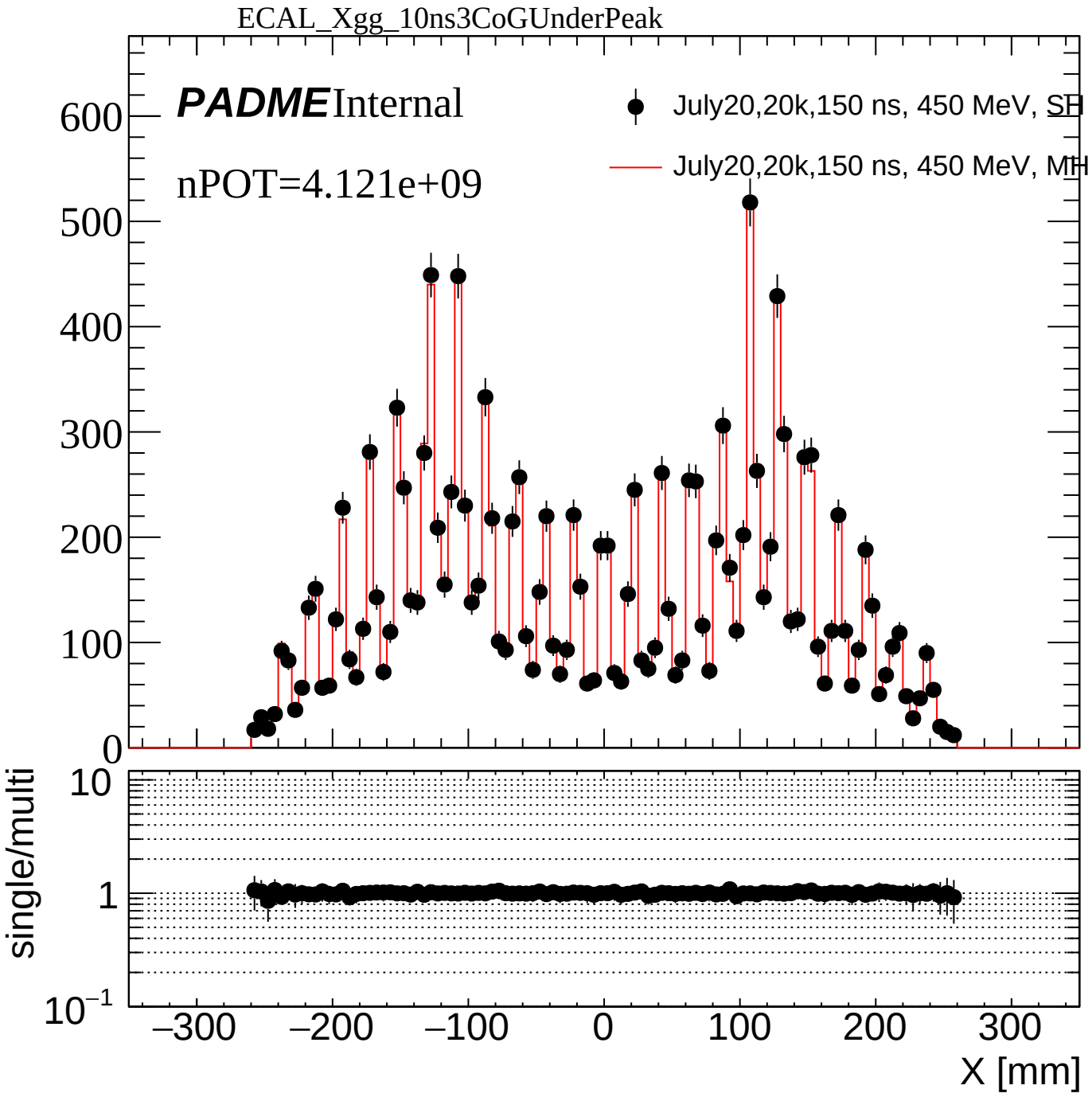

ECAL_Xgg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

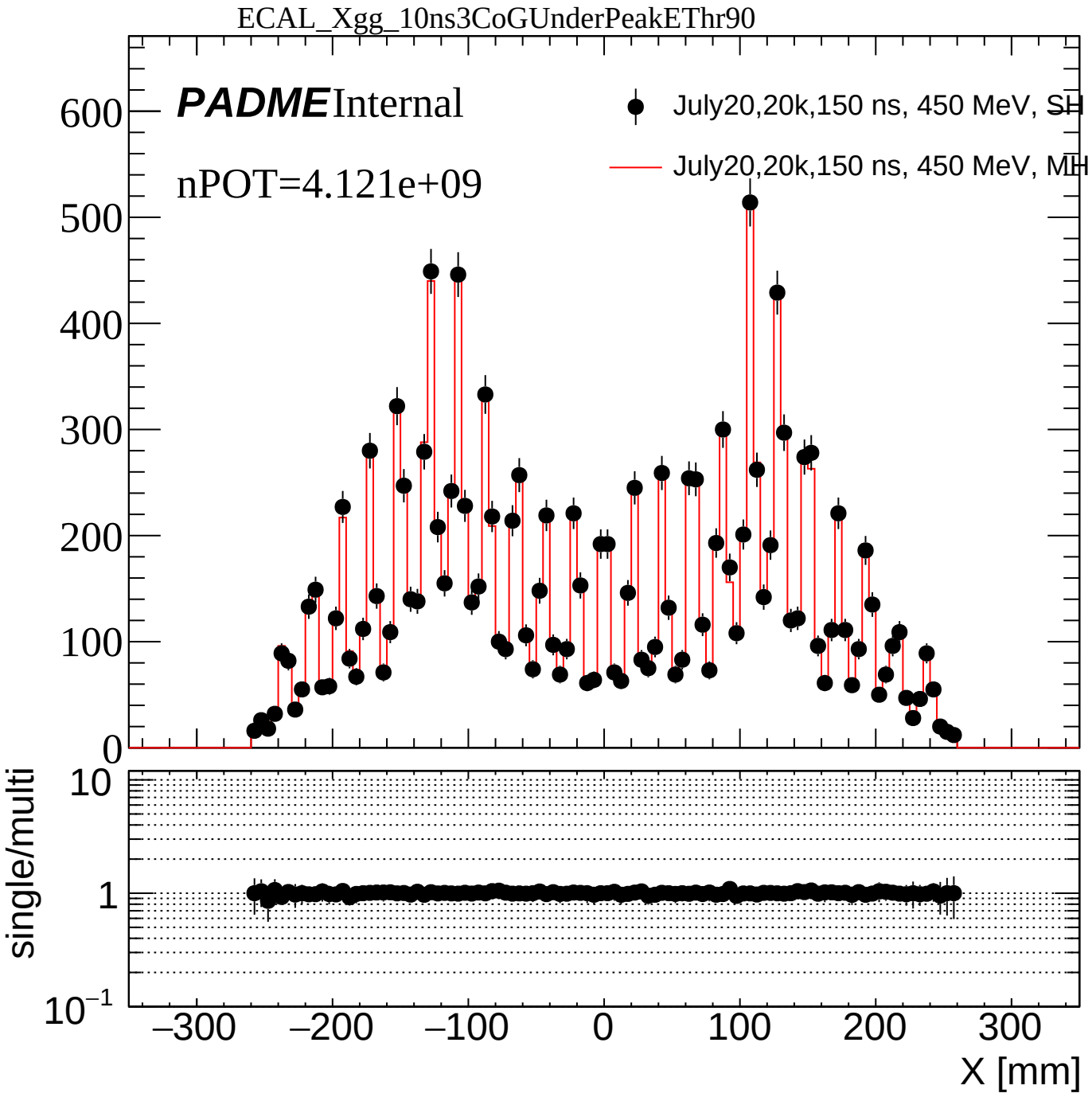

ECAL_Xgg_10ns1CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

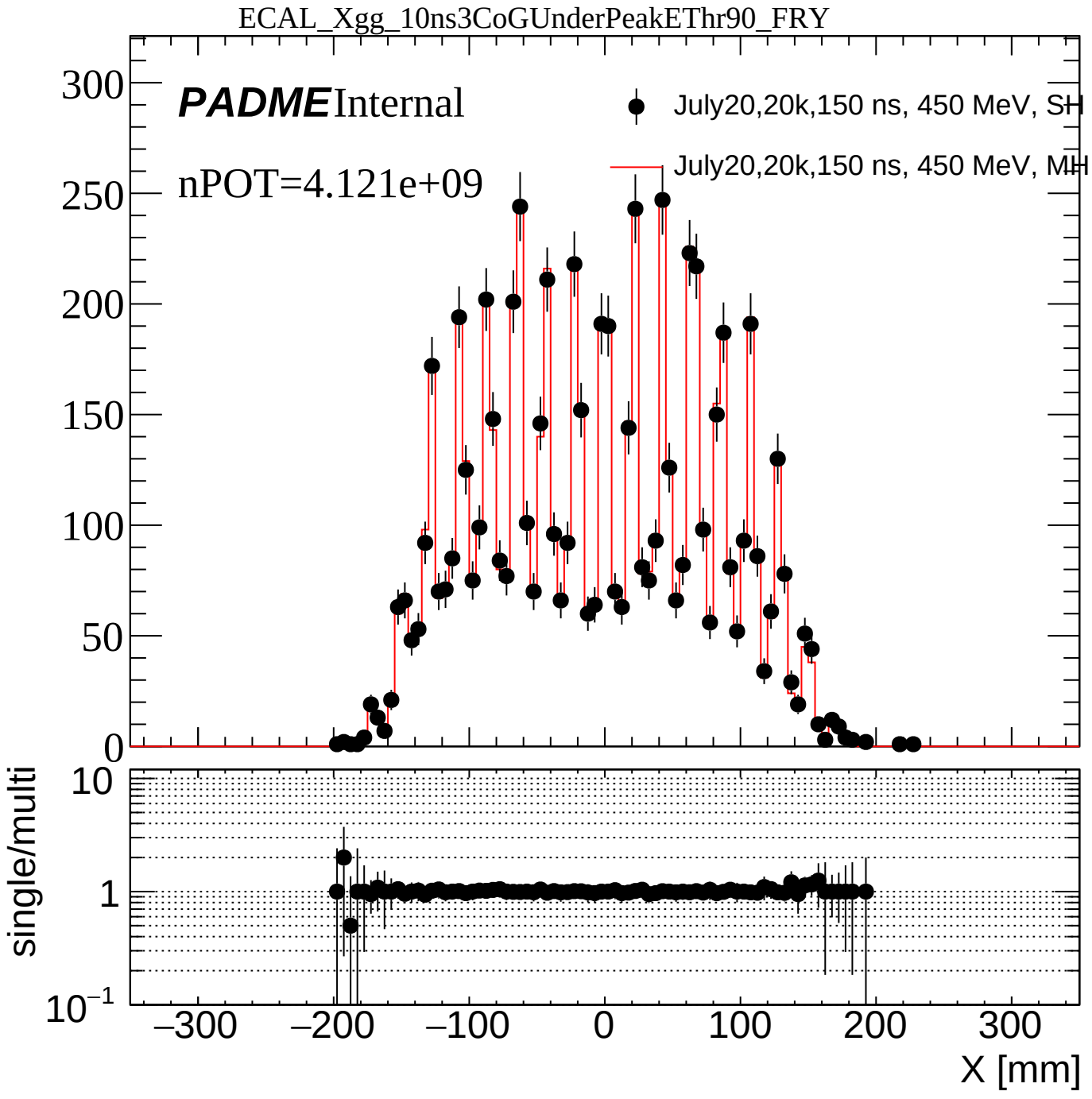

ECAL_Xgg_10ns1CoG20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

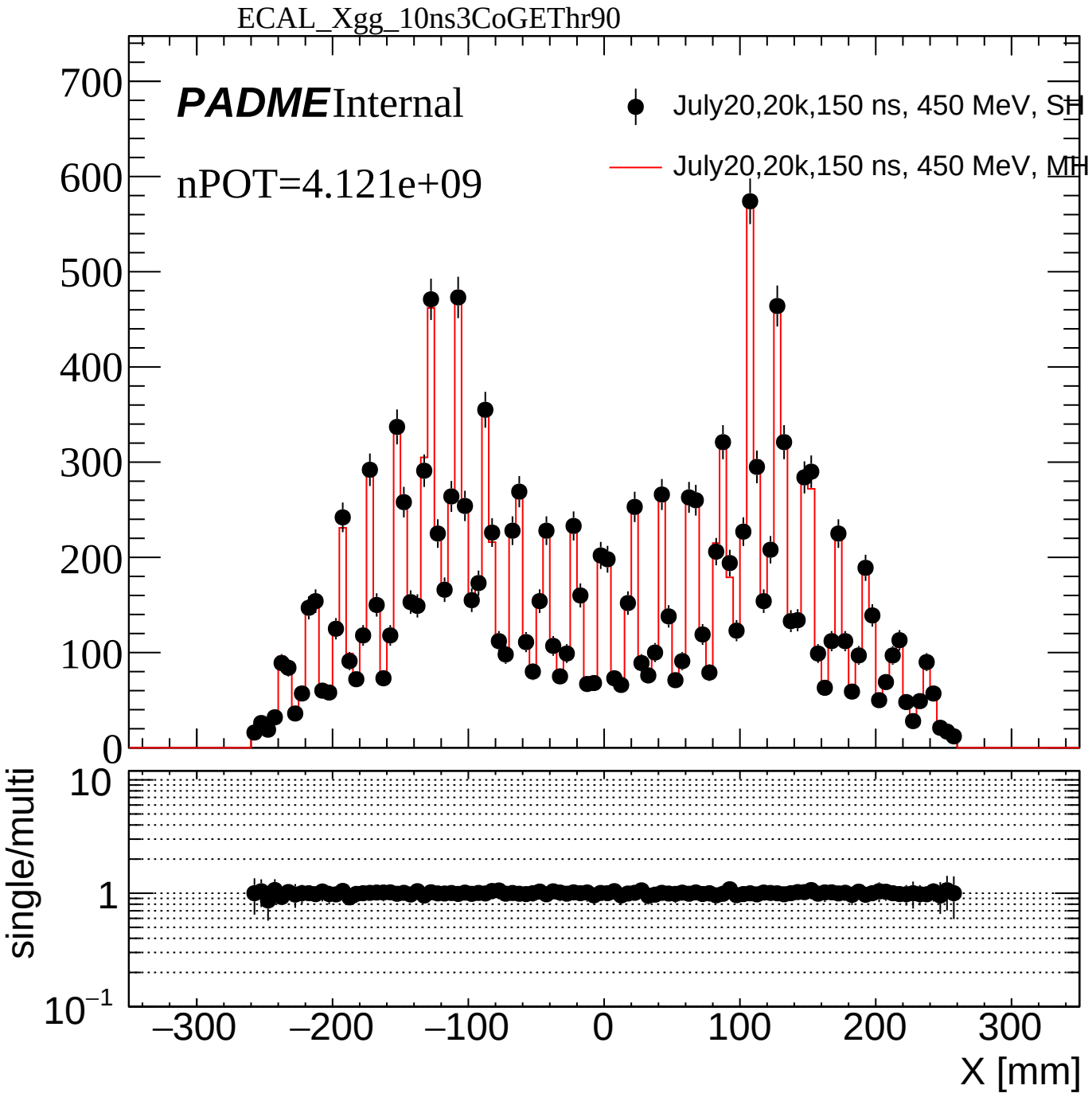

ECAL_Xgg_10ns1CoG20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

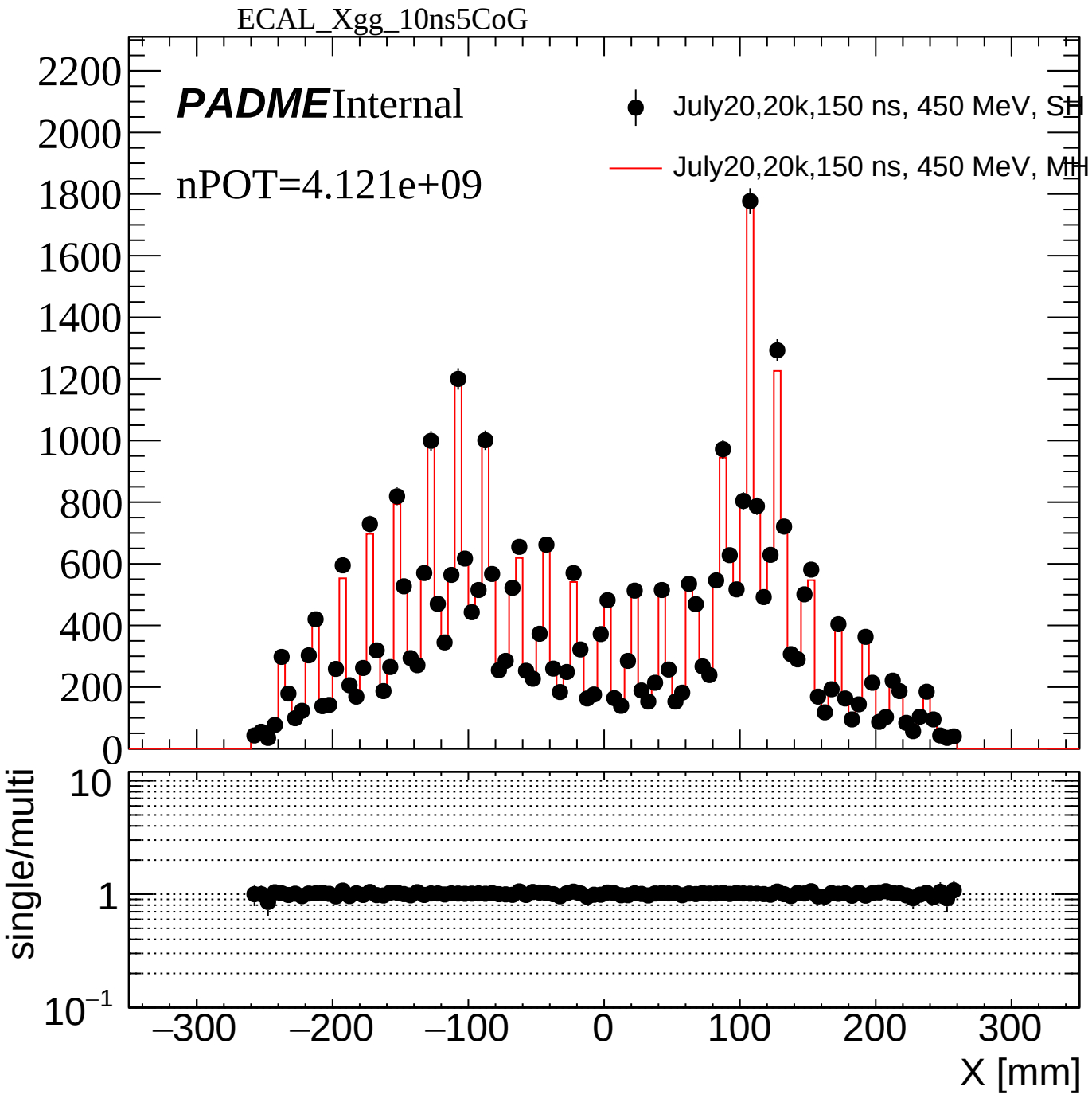

ECAL_Xgg_10ns3CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

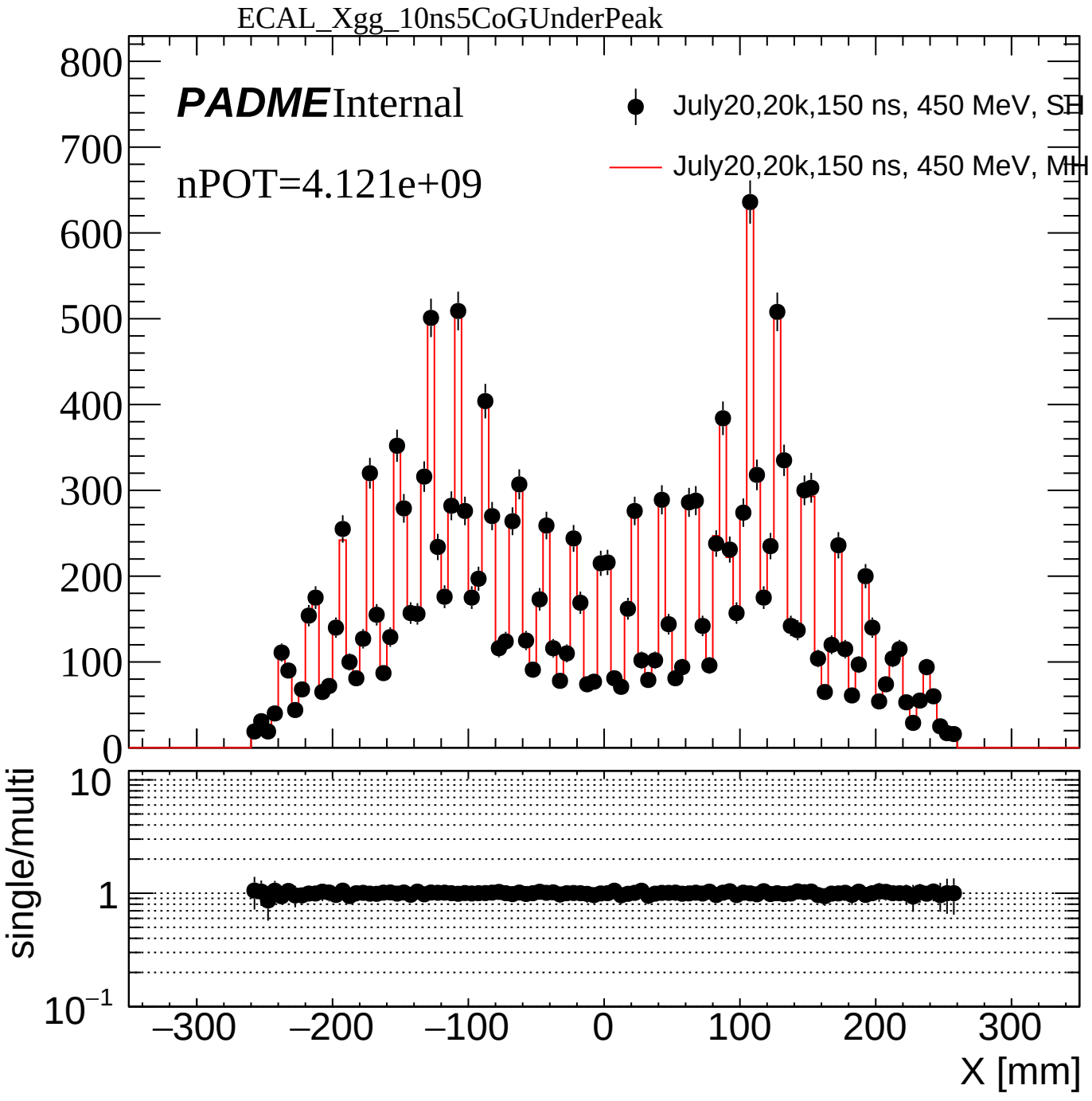

ECAL_Xgg_10ns3CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

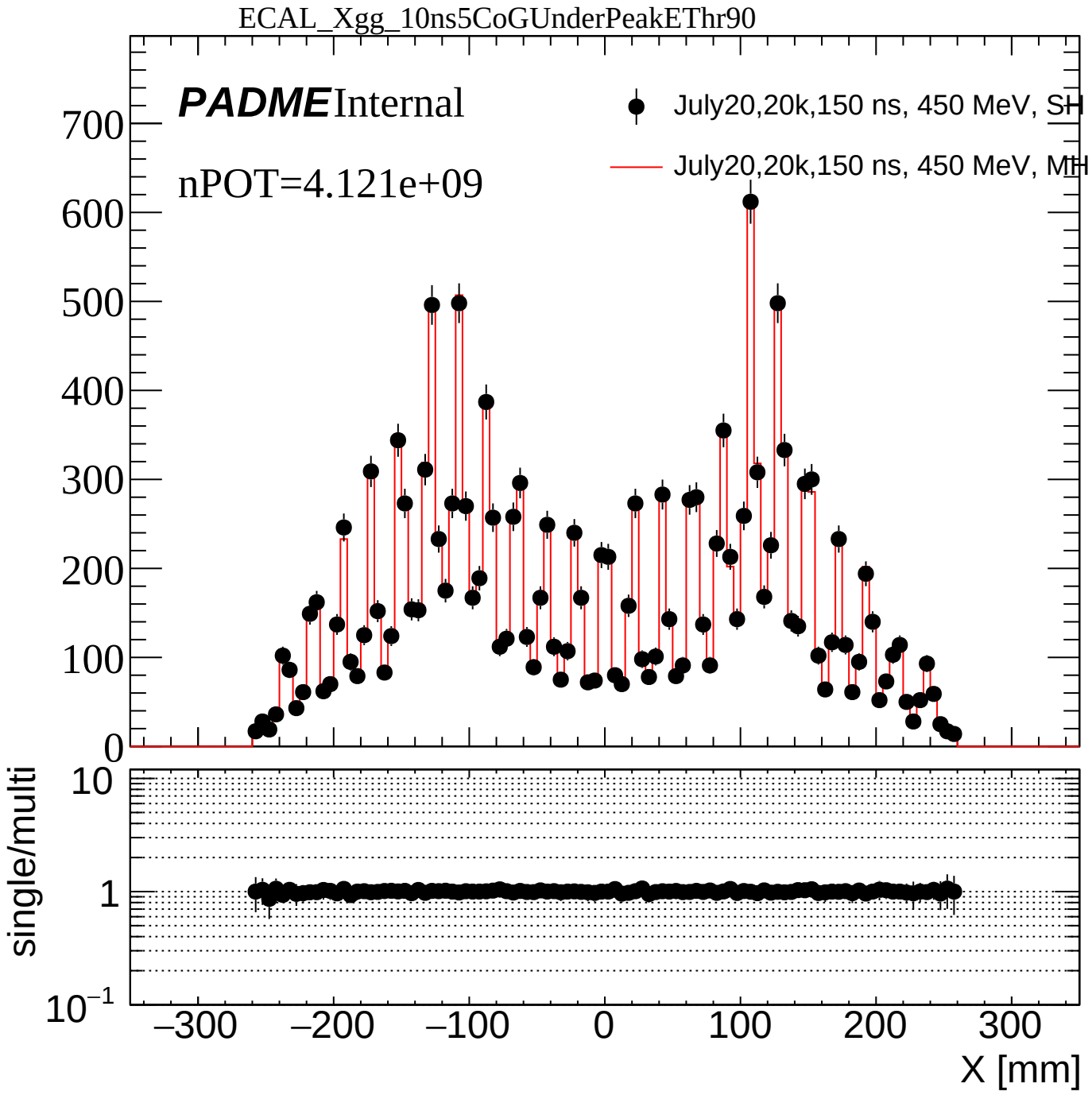

ECAL_Xgg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

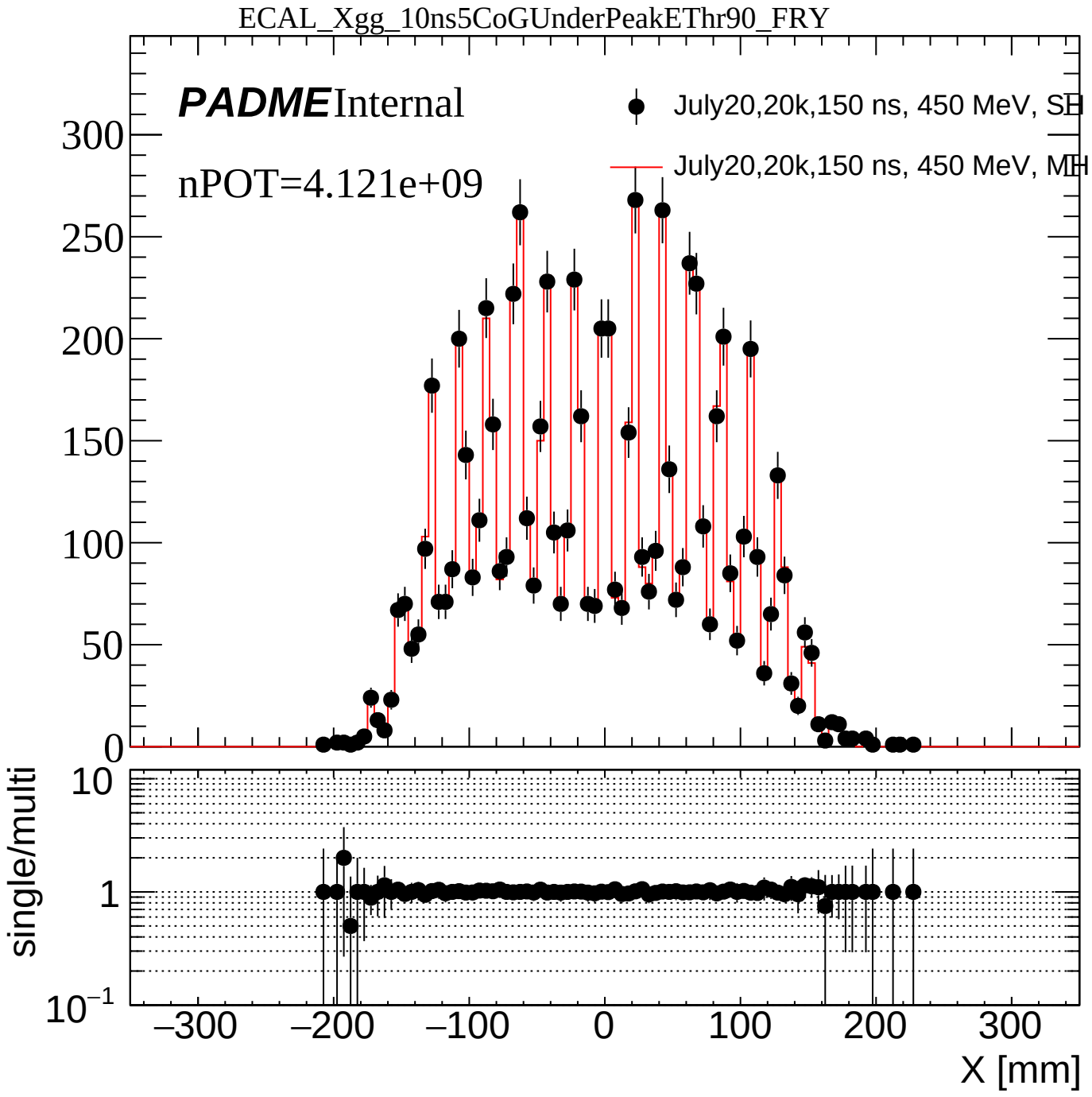

ECAL_Xgg_10ns3CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

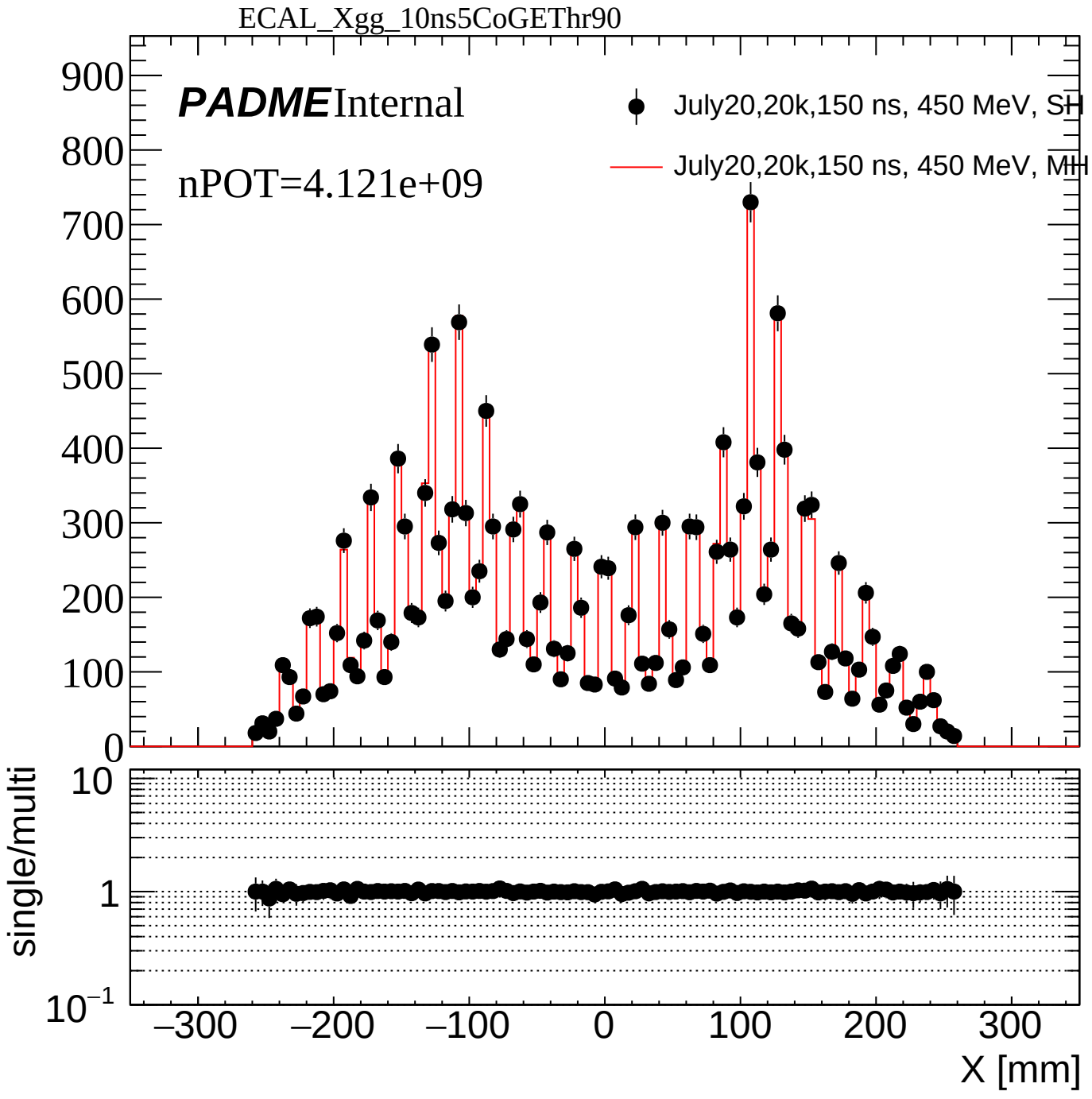

ECAL_Xgg_10ns3CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

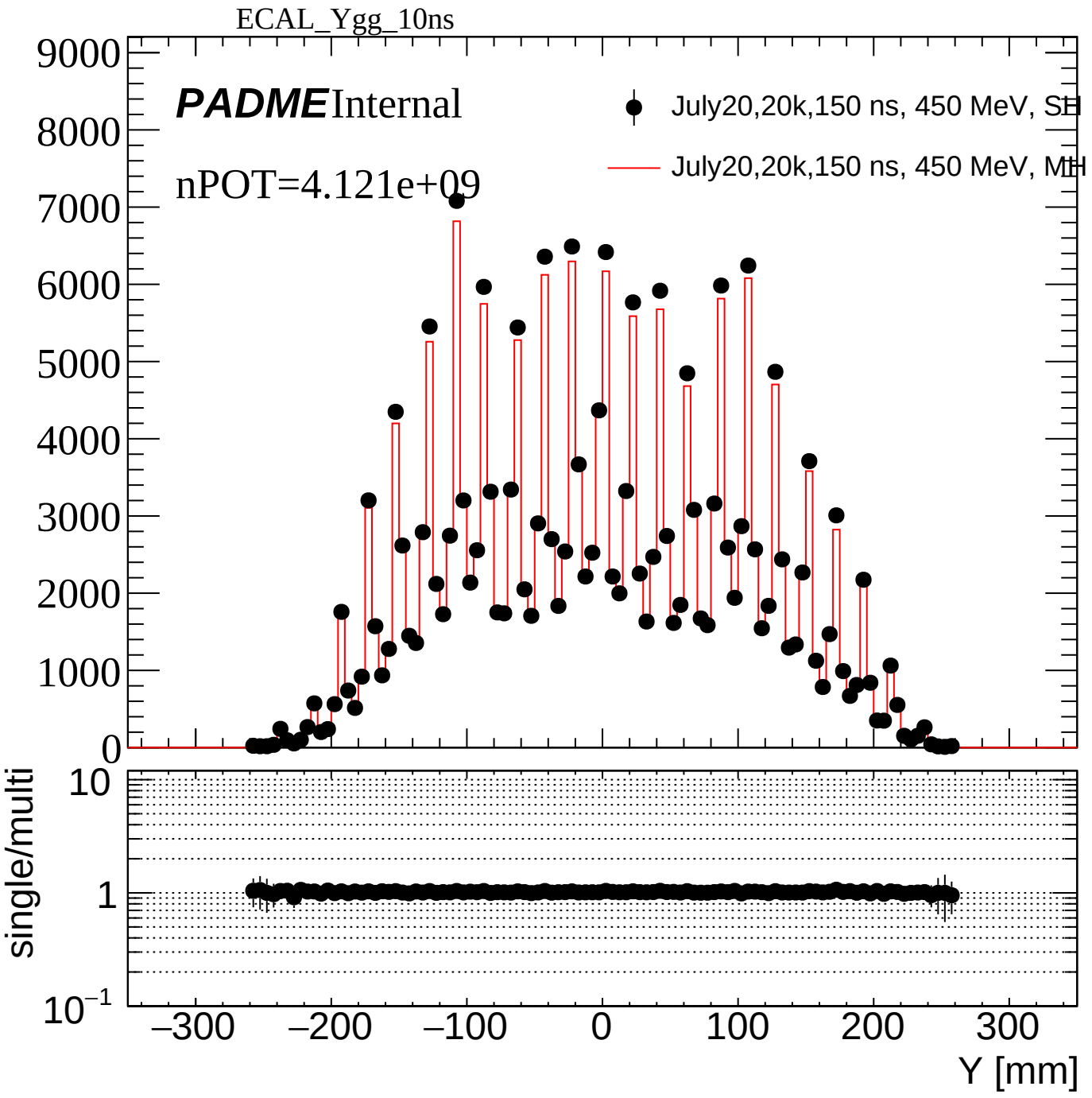

ECAL_Xgg_10ns5CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

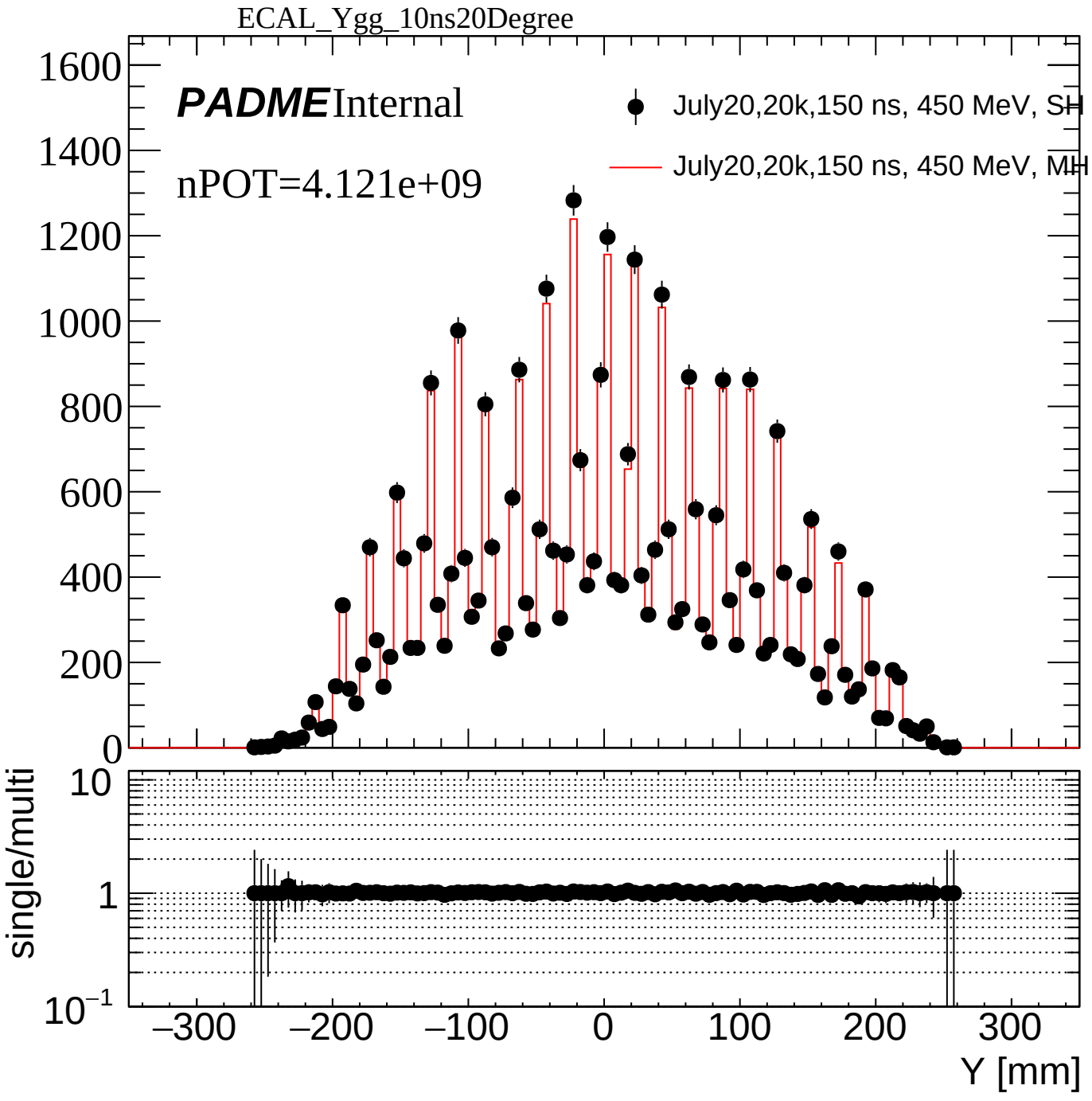

ECAL_Xgg_10ns5CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

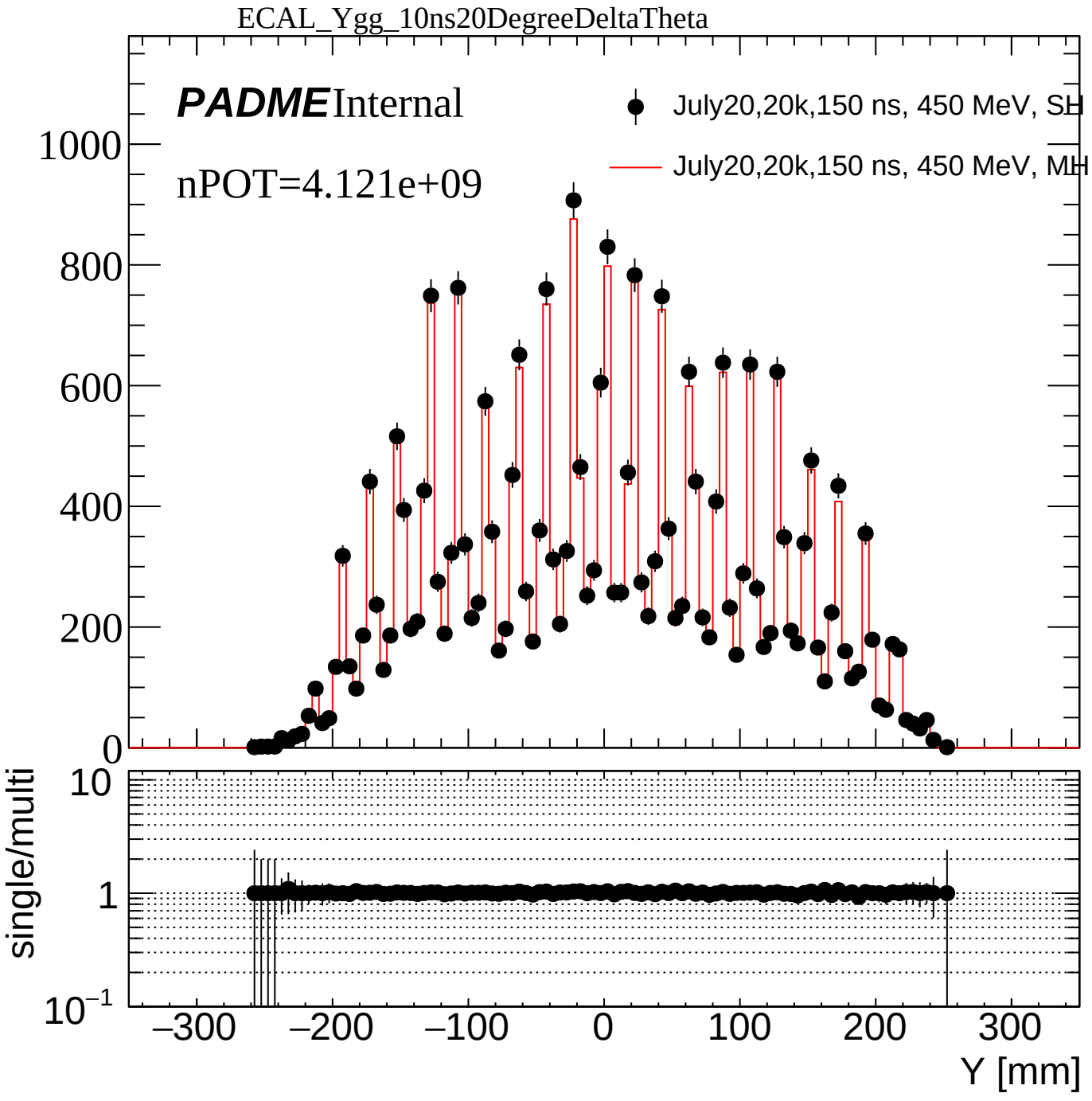

ECAL_Xgg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

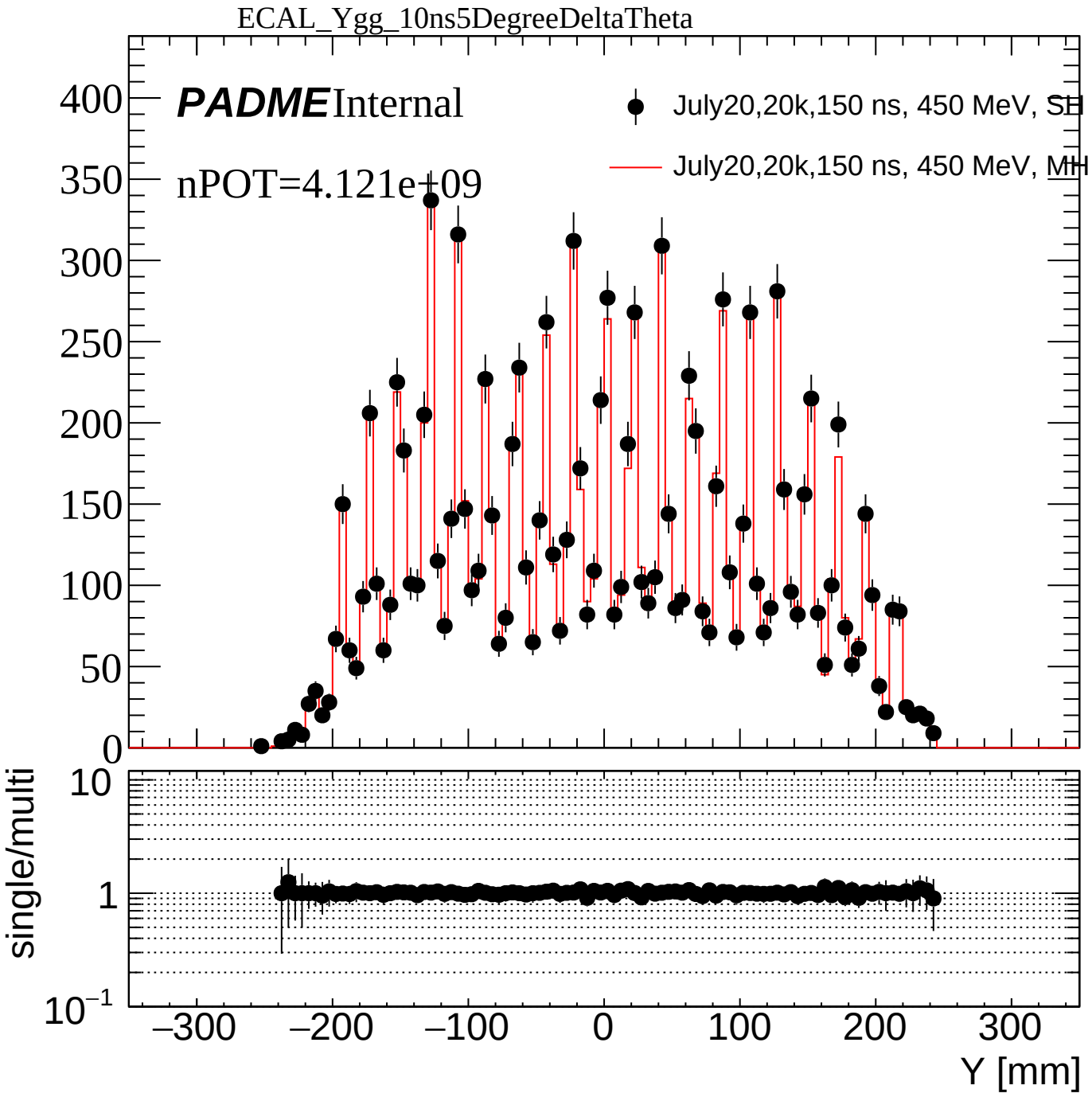

ECAL_Xgg_10ns5CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

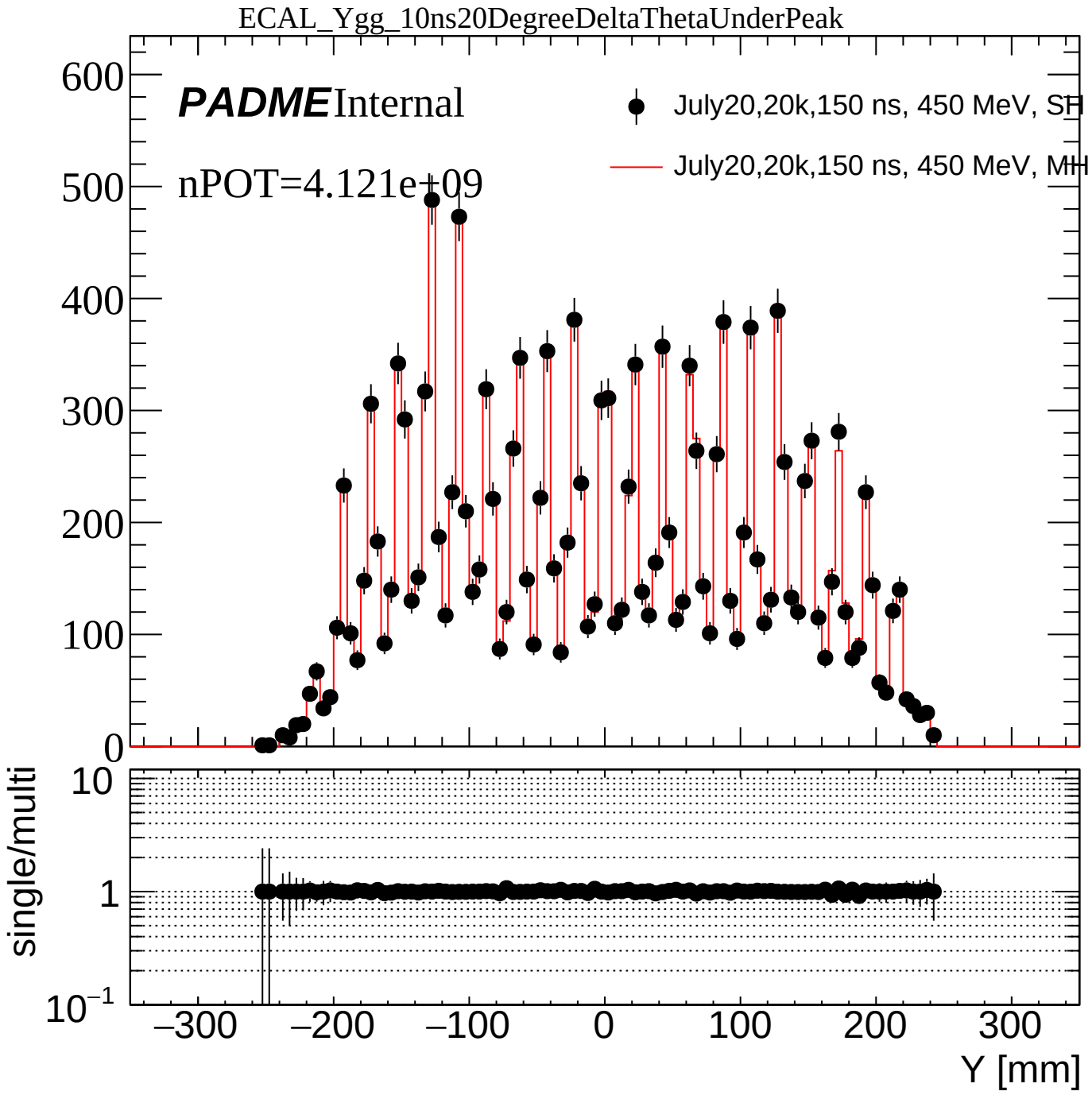

ECAL_Xgg_10ns5CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
900
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
X [mm]

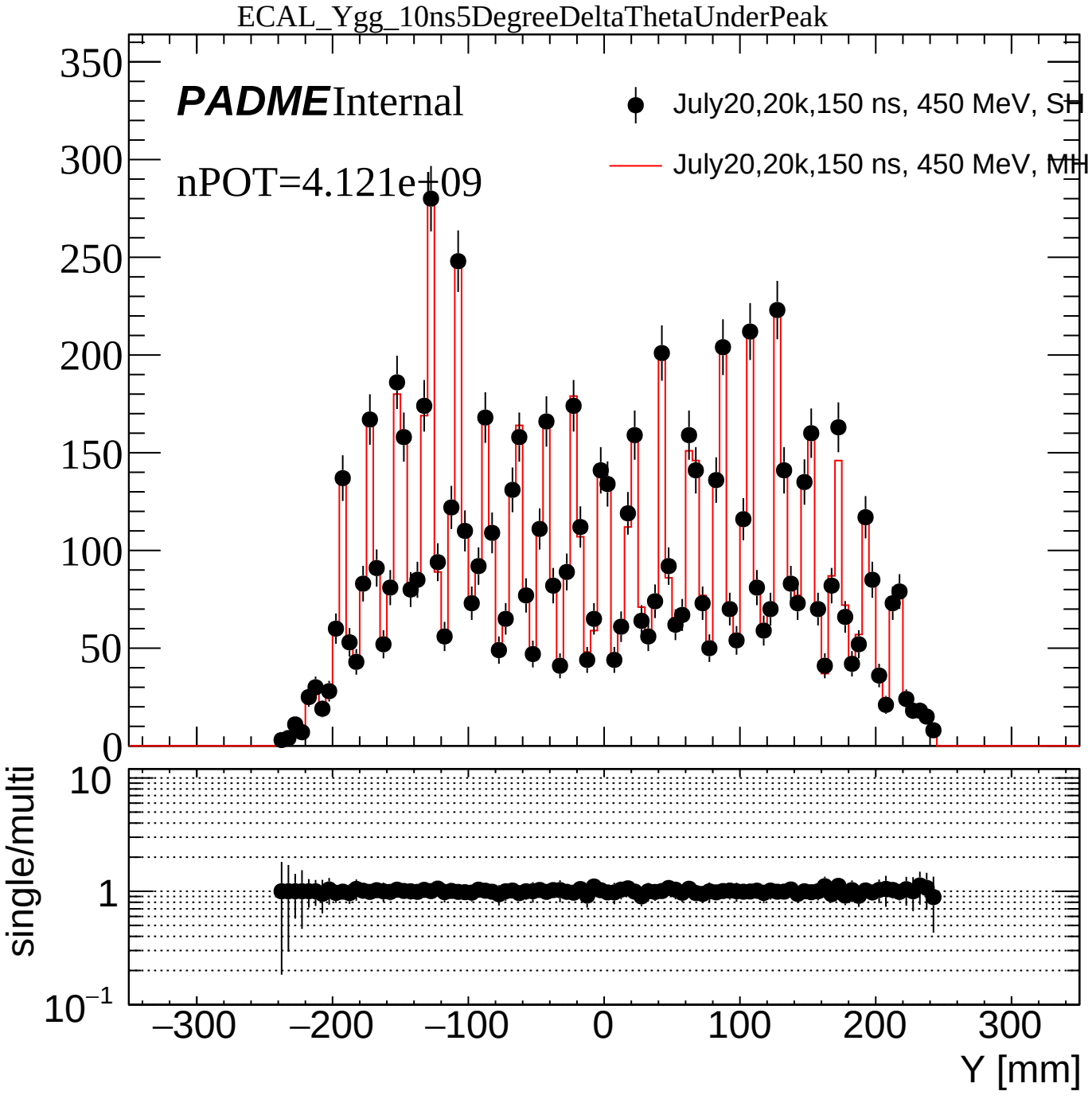

ECAL_Ygg_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

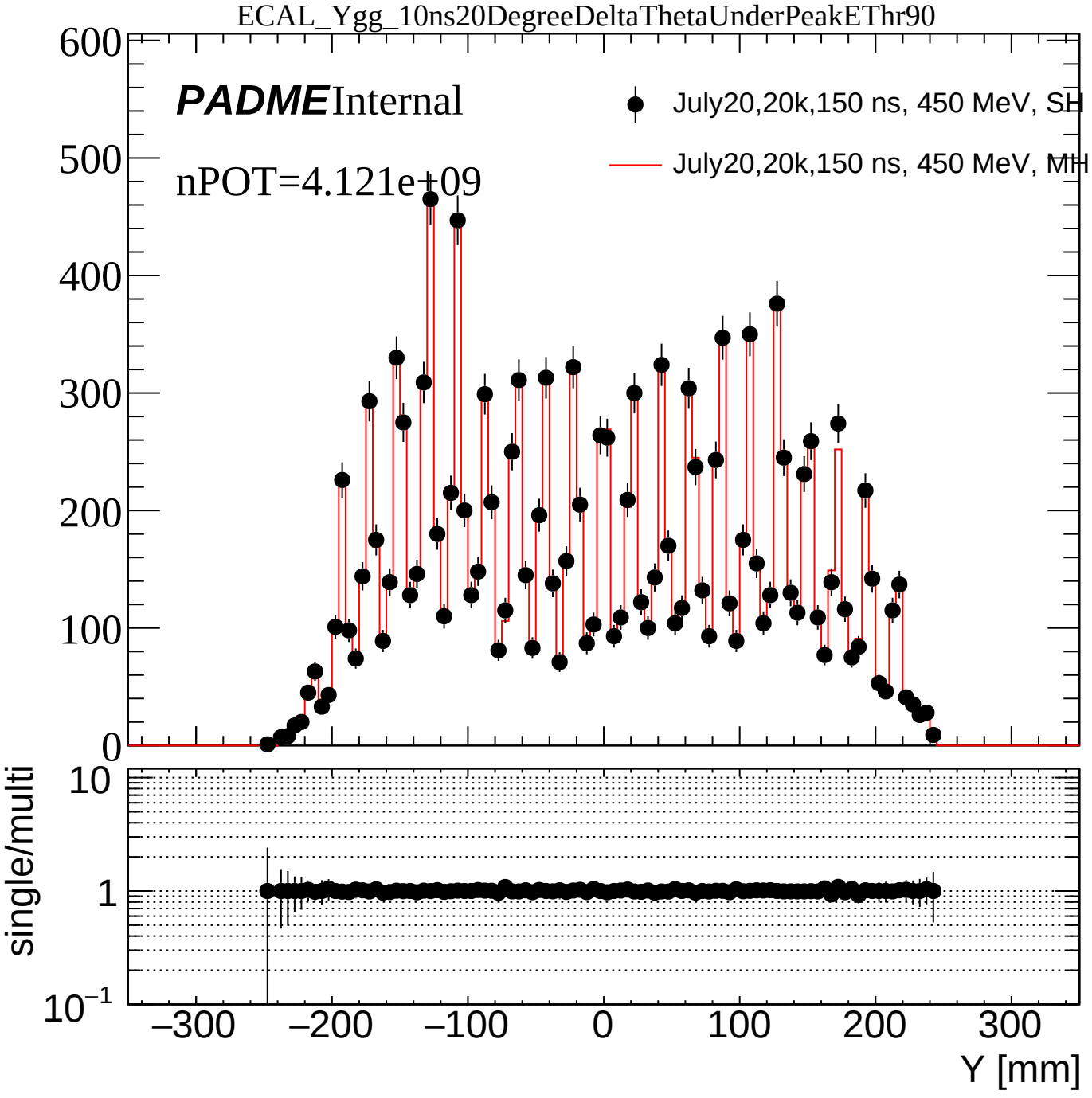

ECAL_Ygg_10ns20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

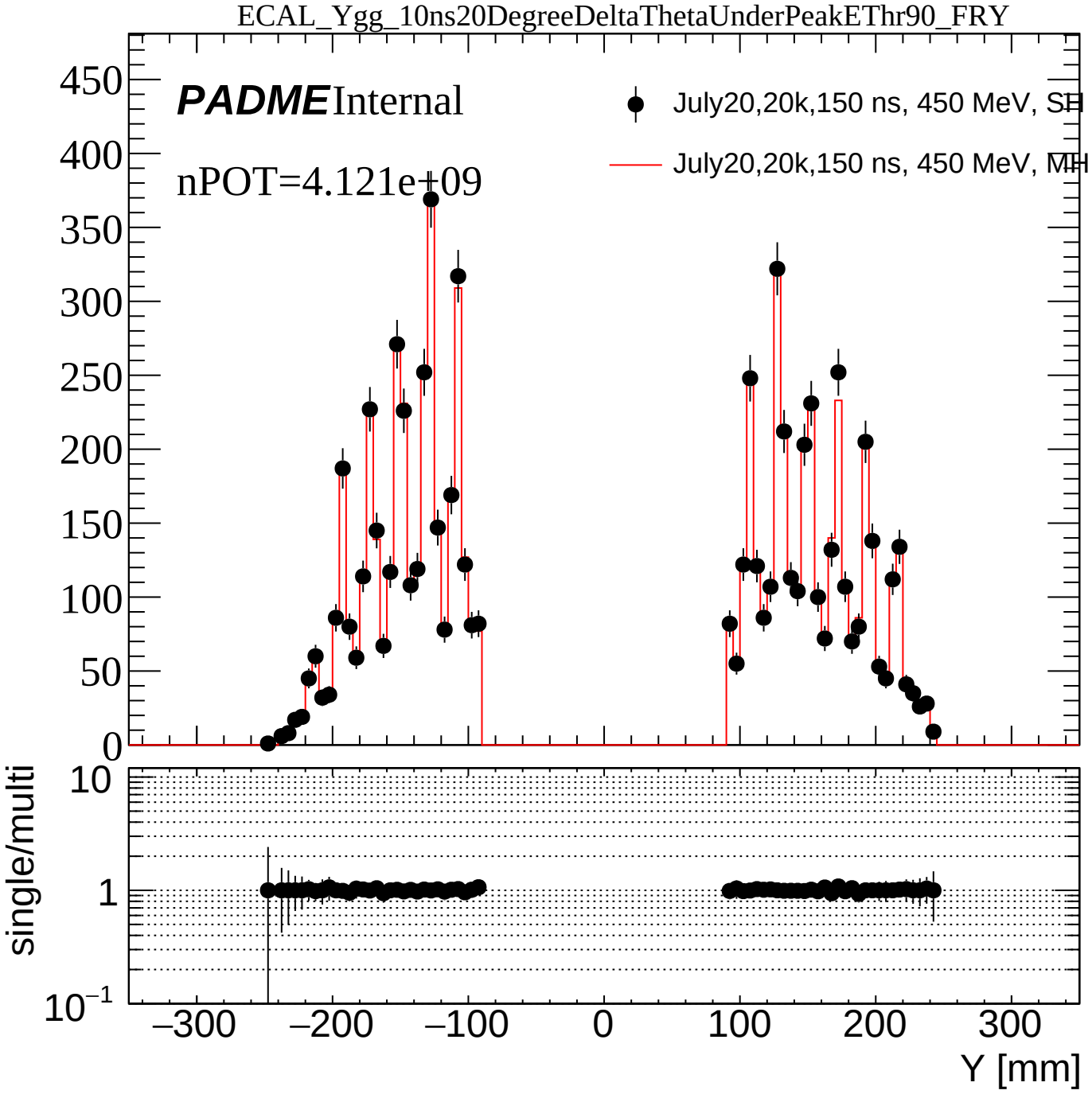

ECAL_Ygg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

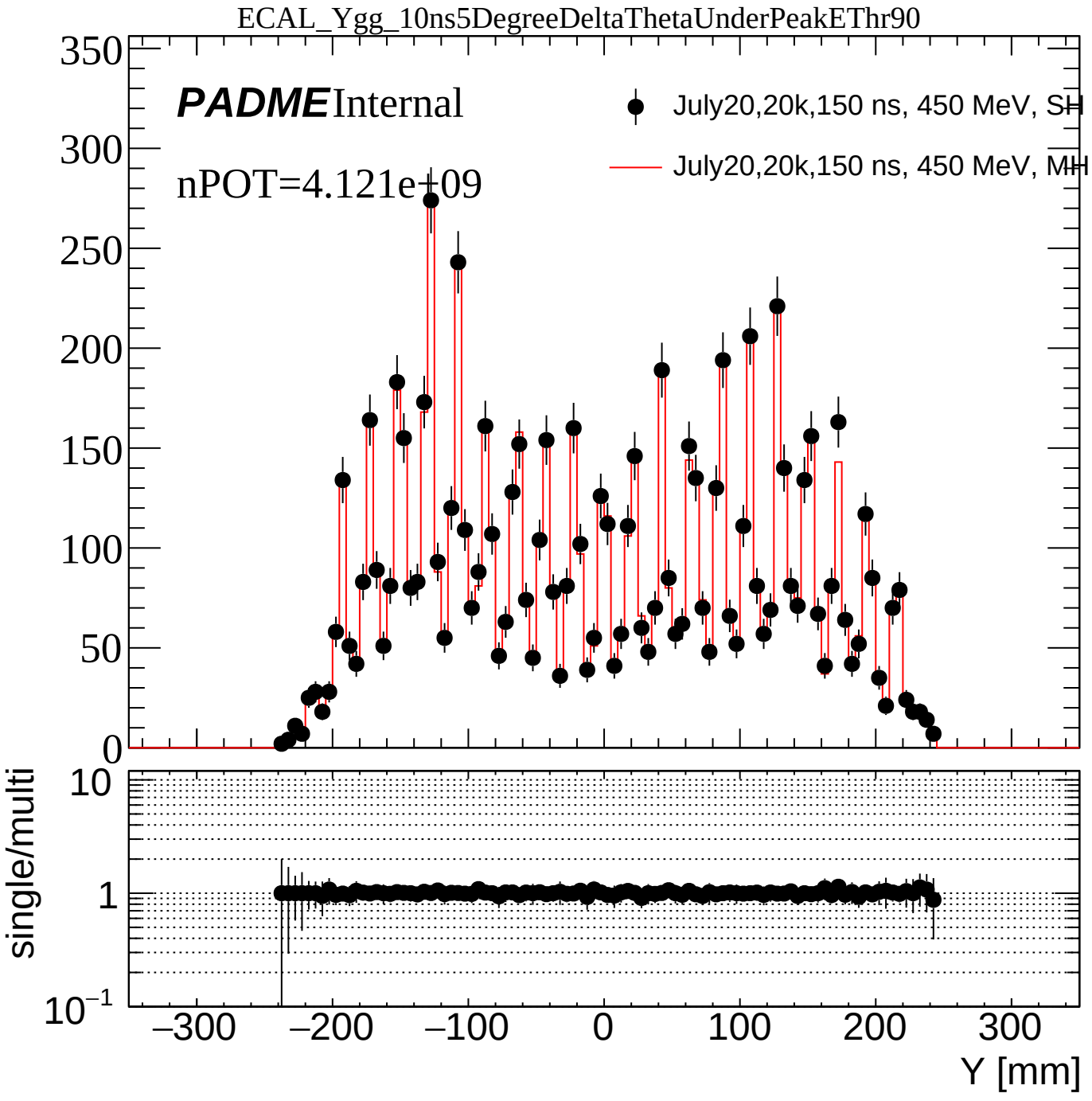

ECAL_Ygg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

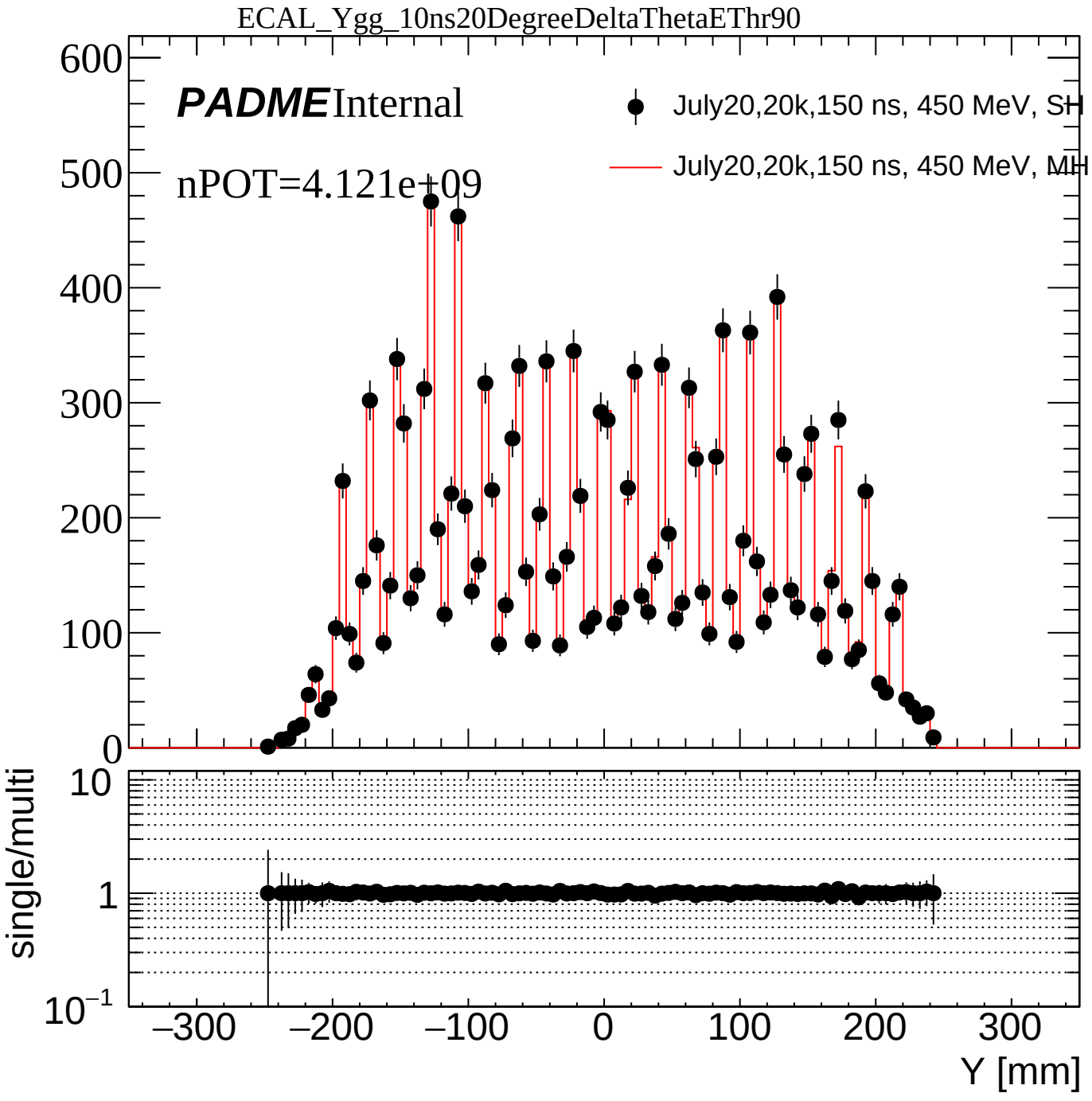

ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

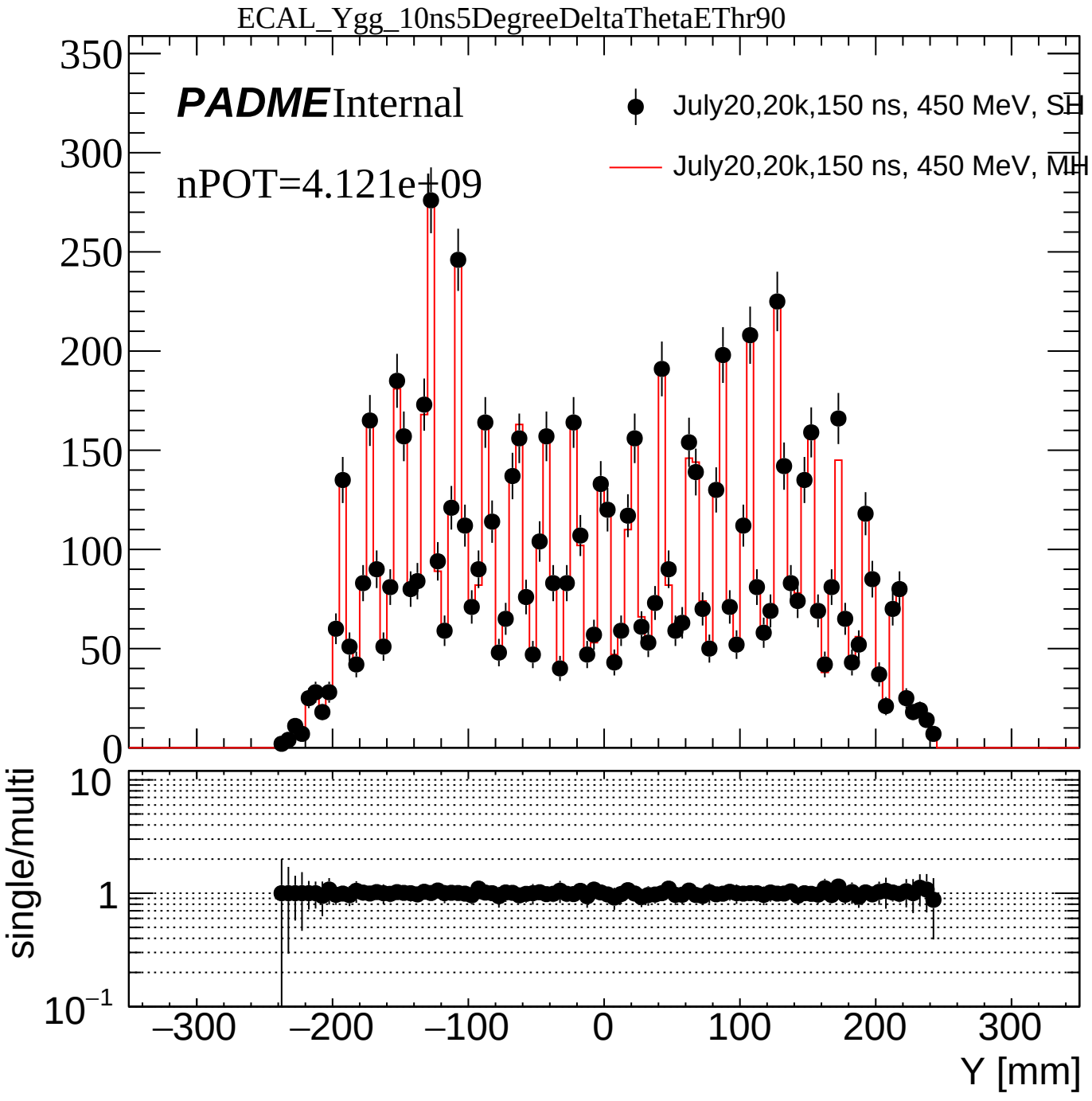

ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

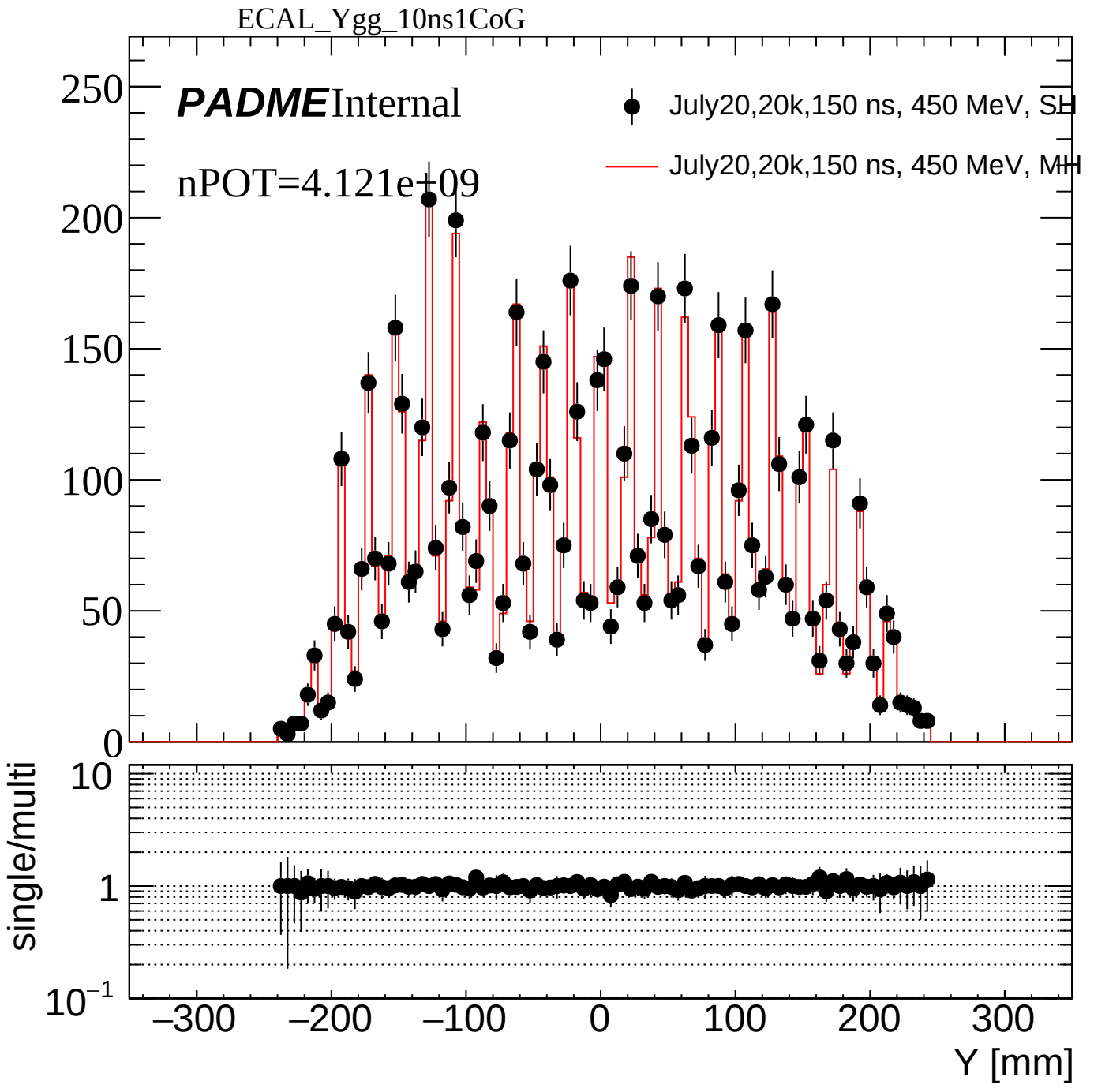

ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

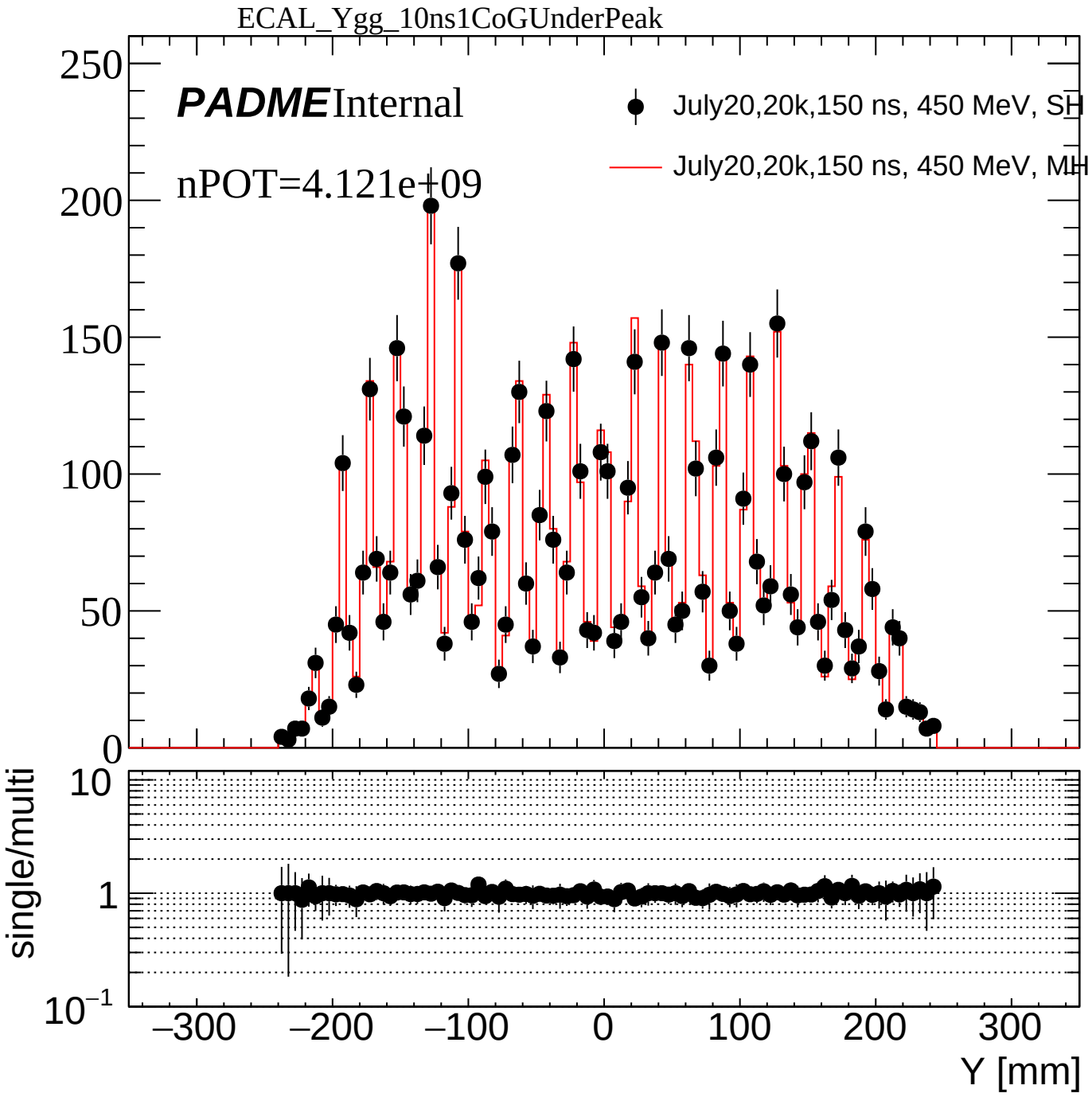

ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
450
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

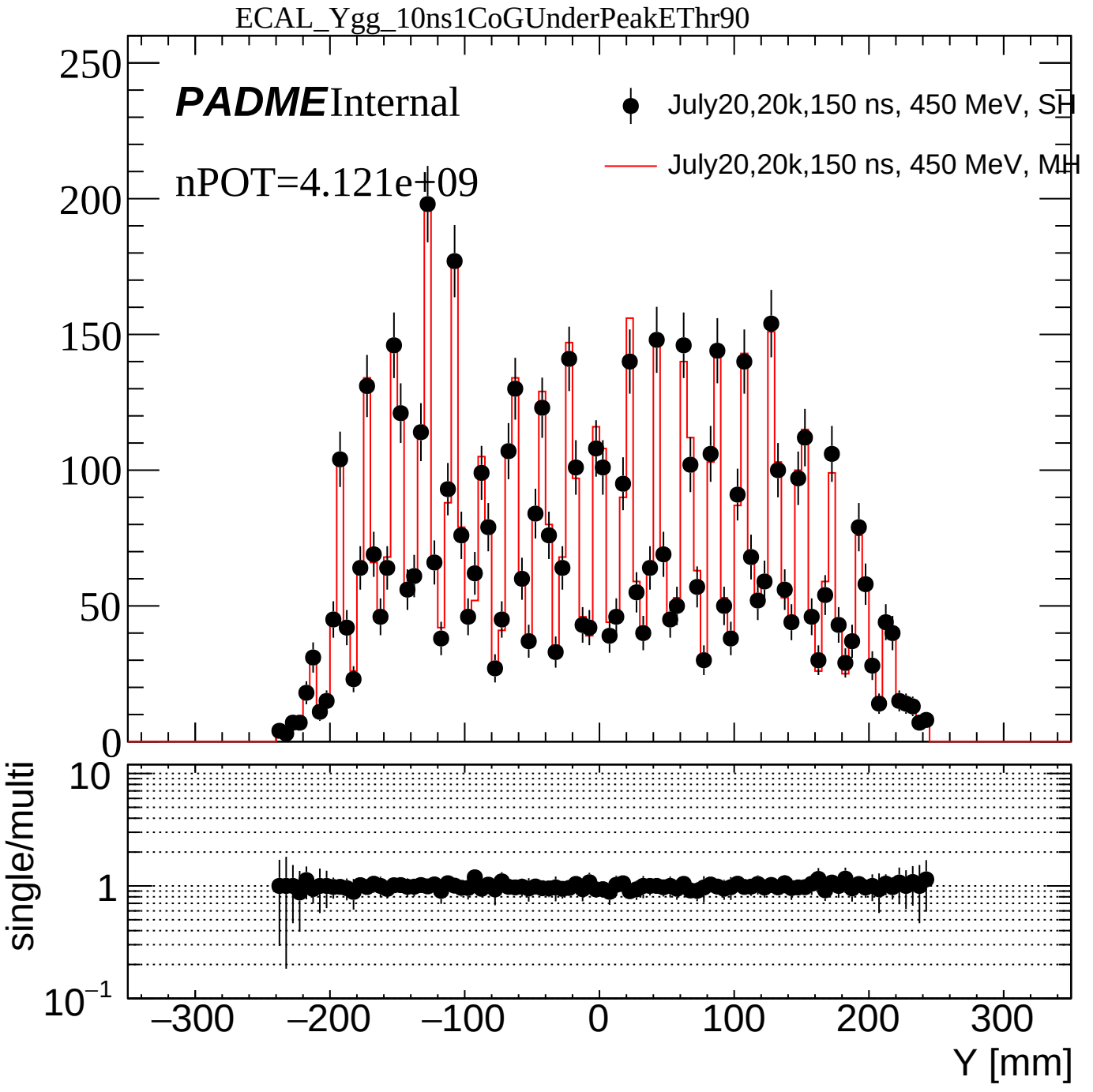

ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

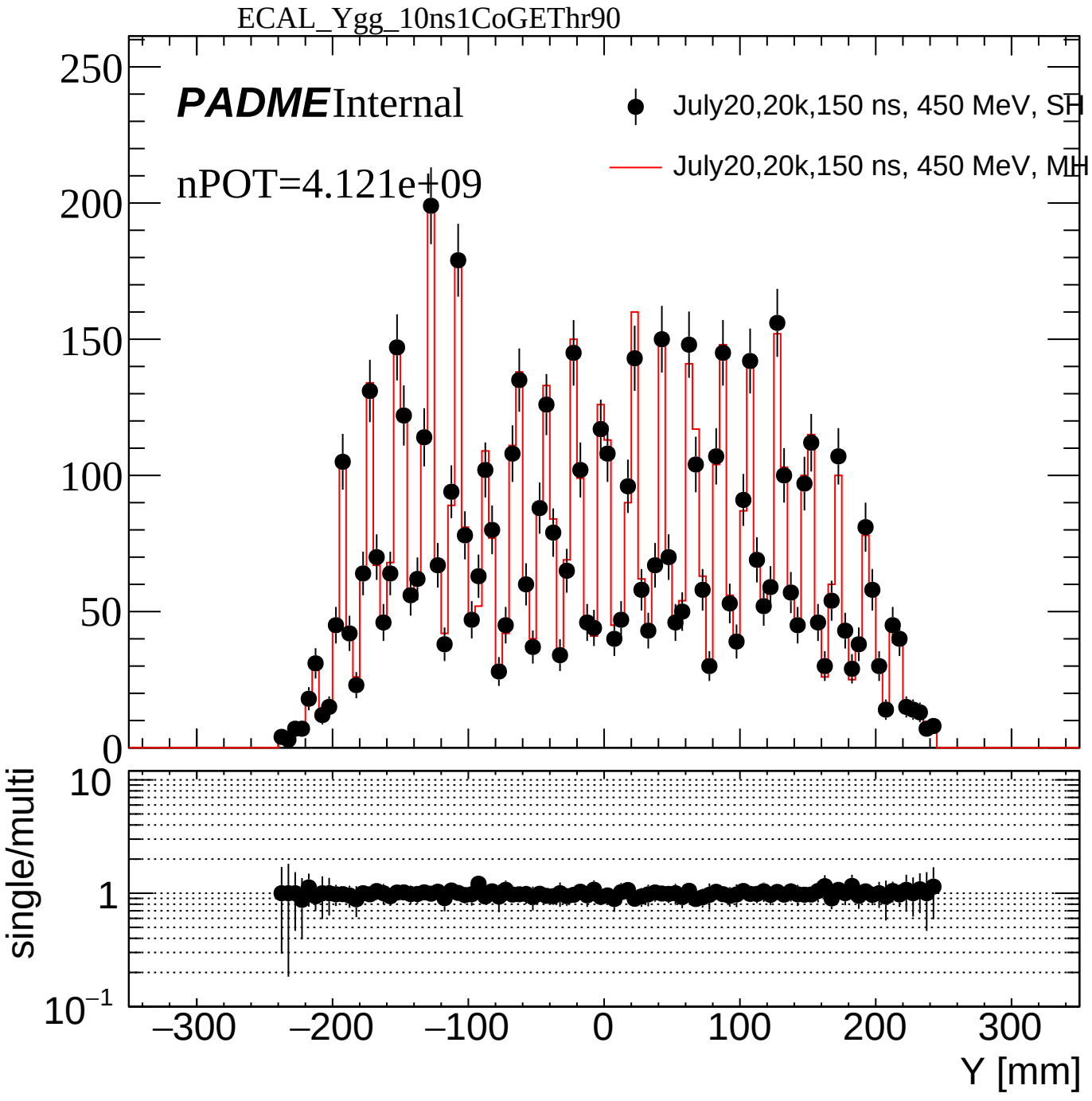

ECAL_Ygg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

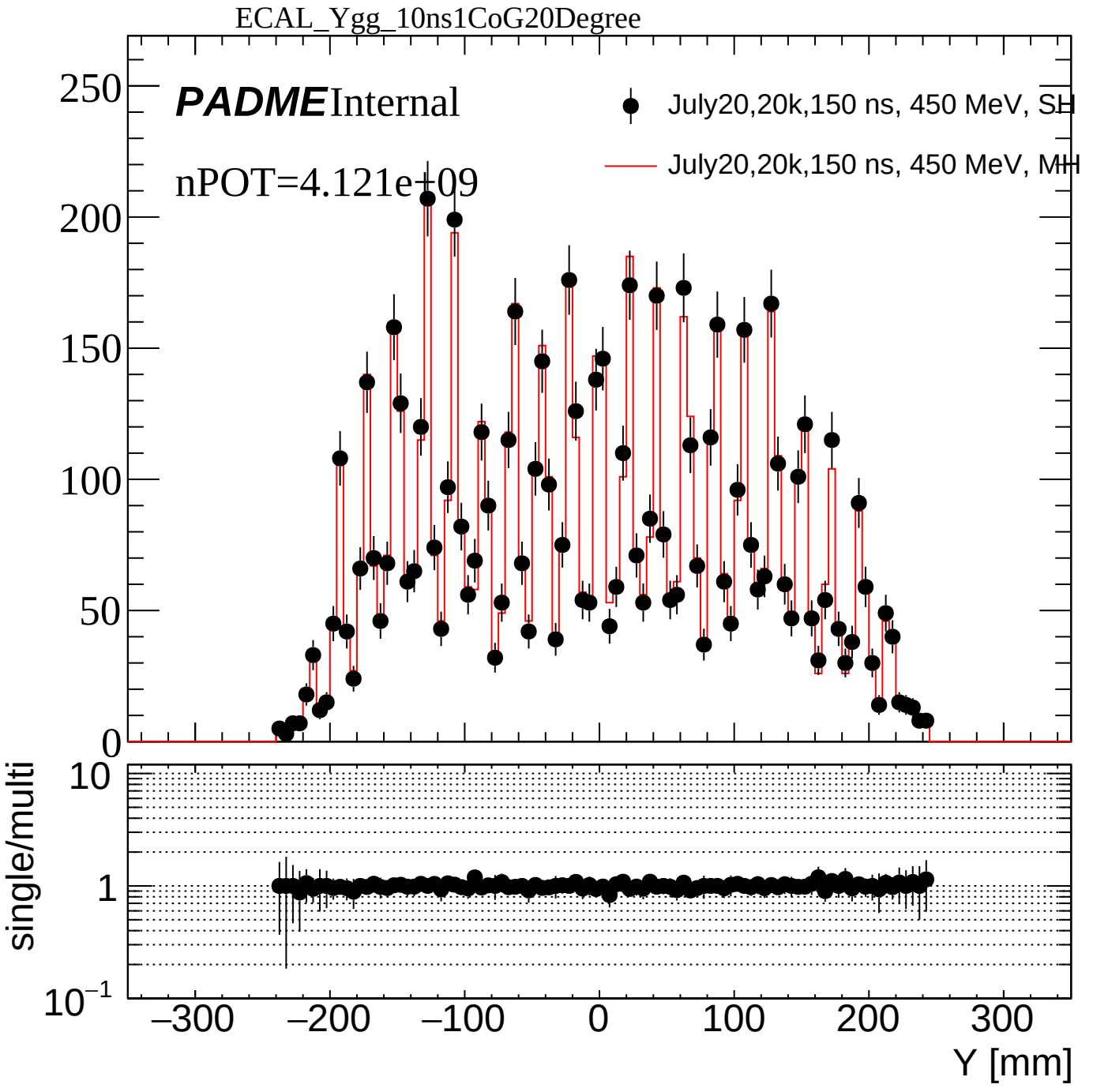

ECAL_Ygg_10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

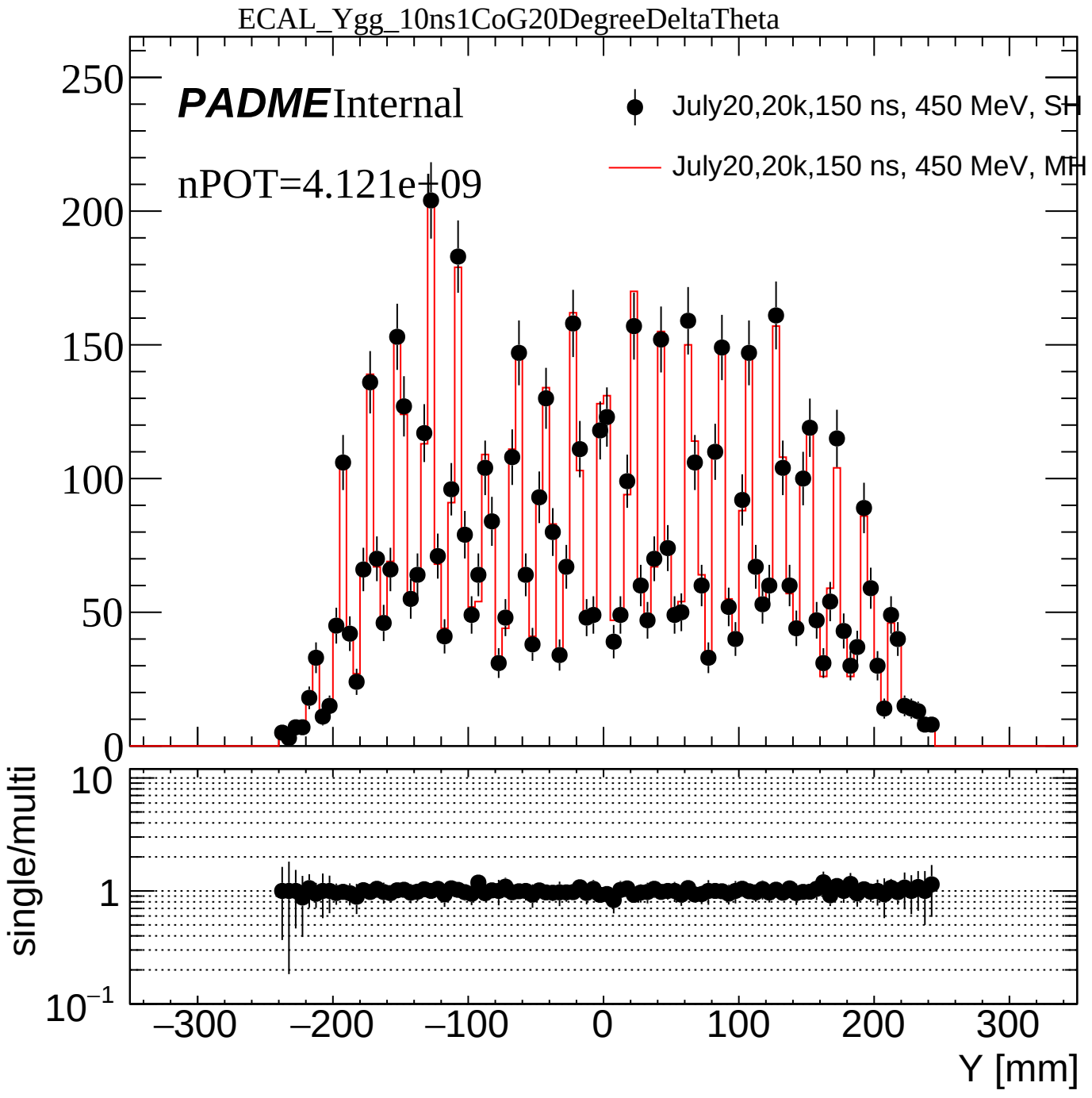

ECAL_Ygg_10ns1CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

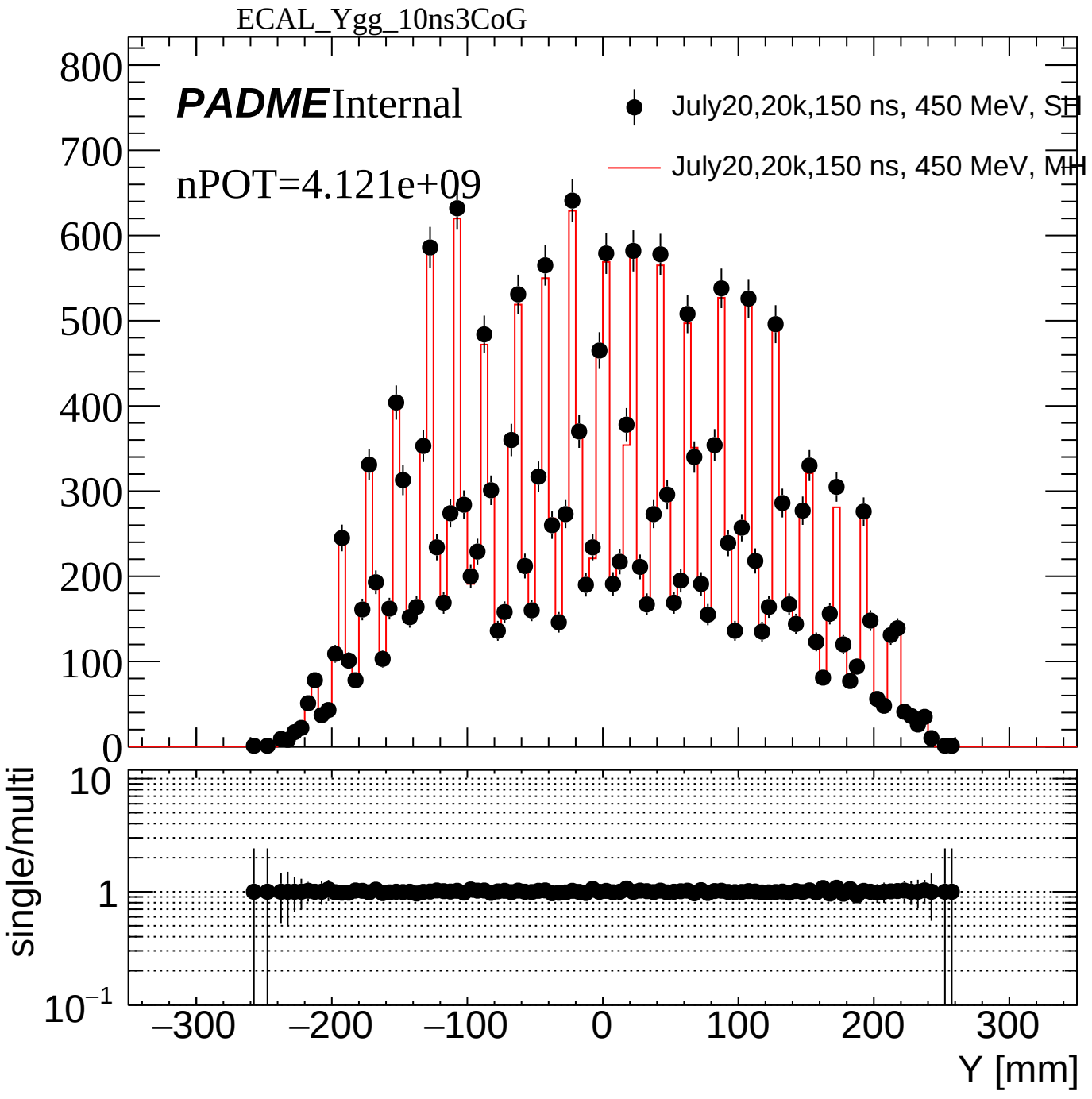

ECAL_Ygg_10ns1CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

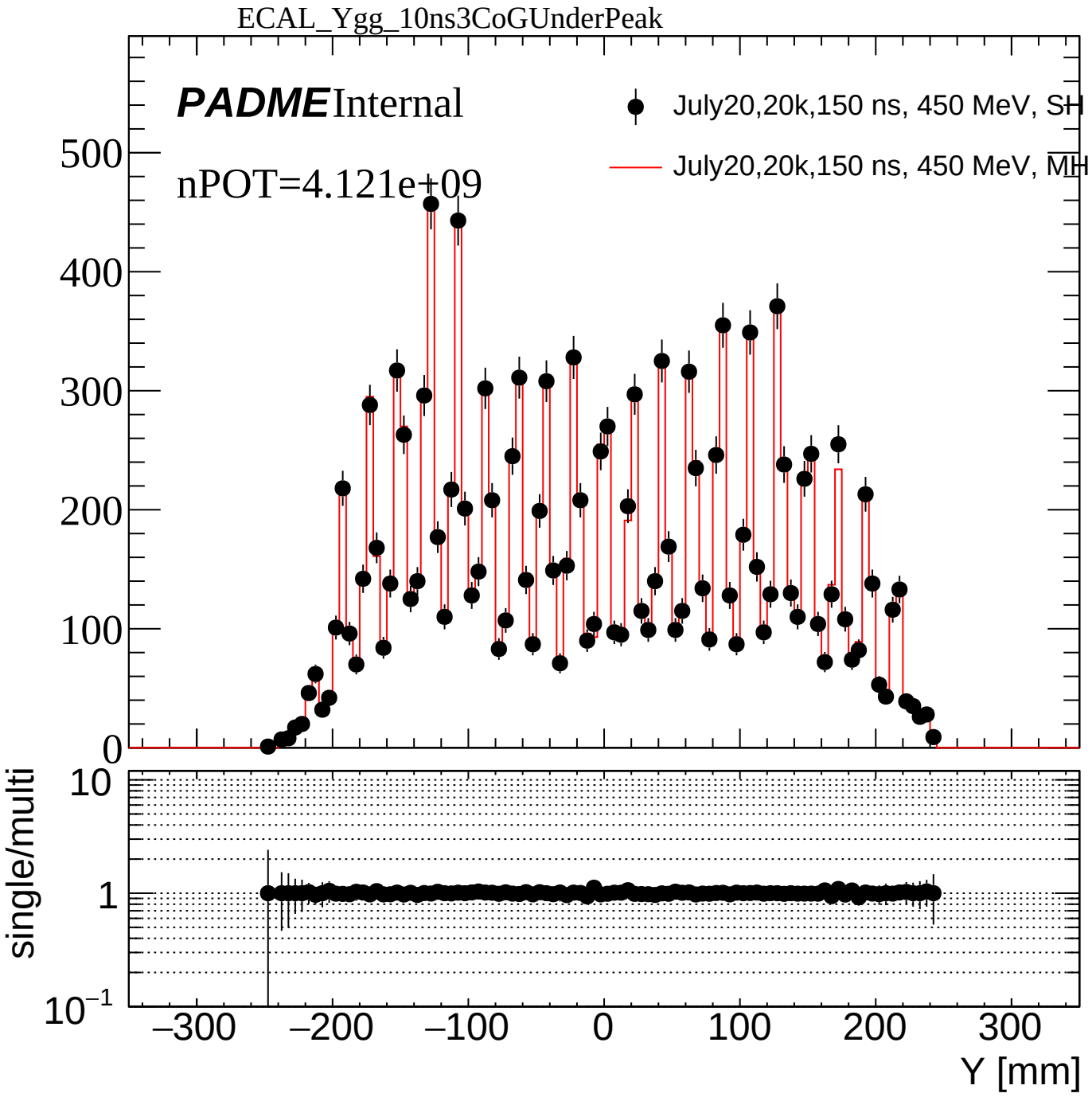

ECAL_Ygg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

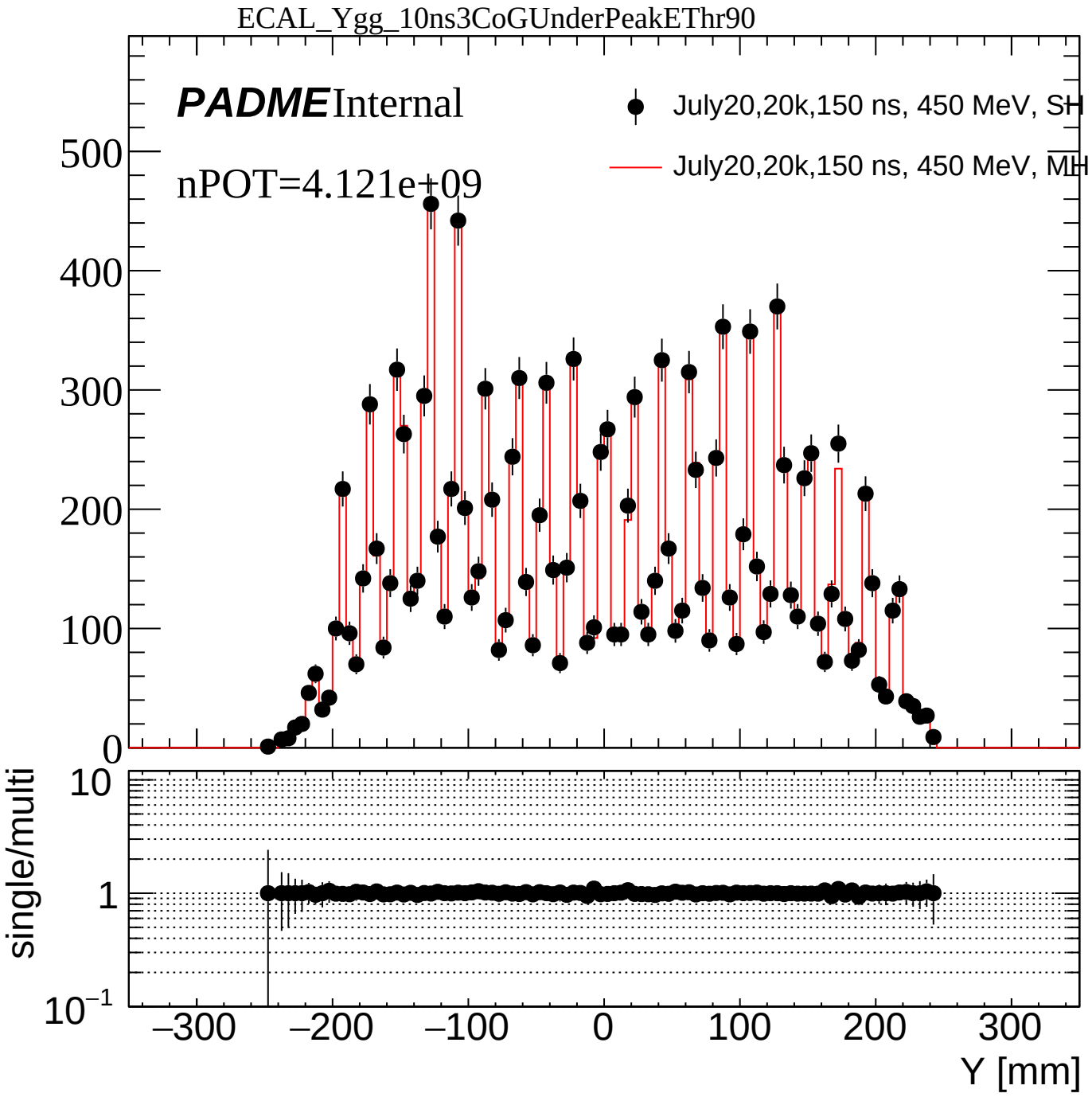

ECAL_Ygg_10ns1CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

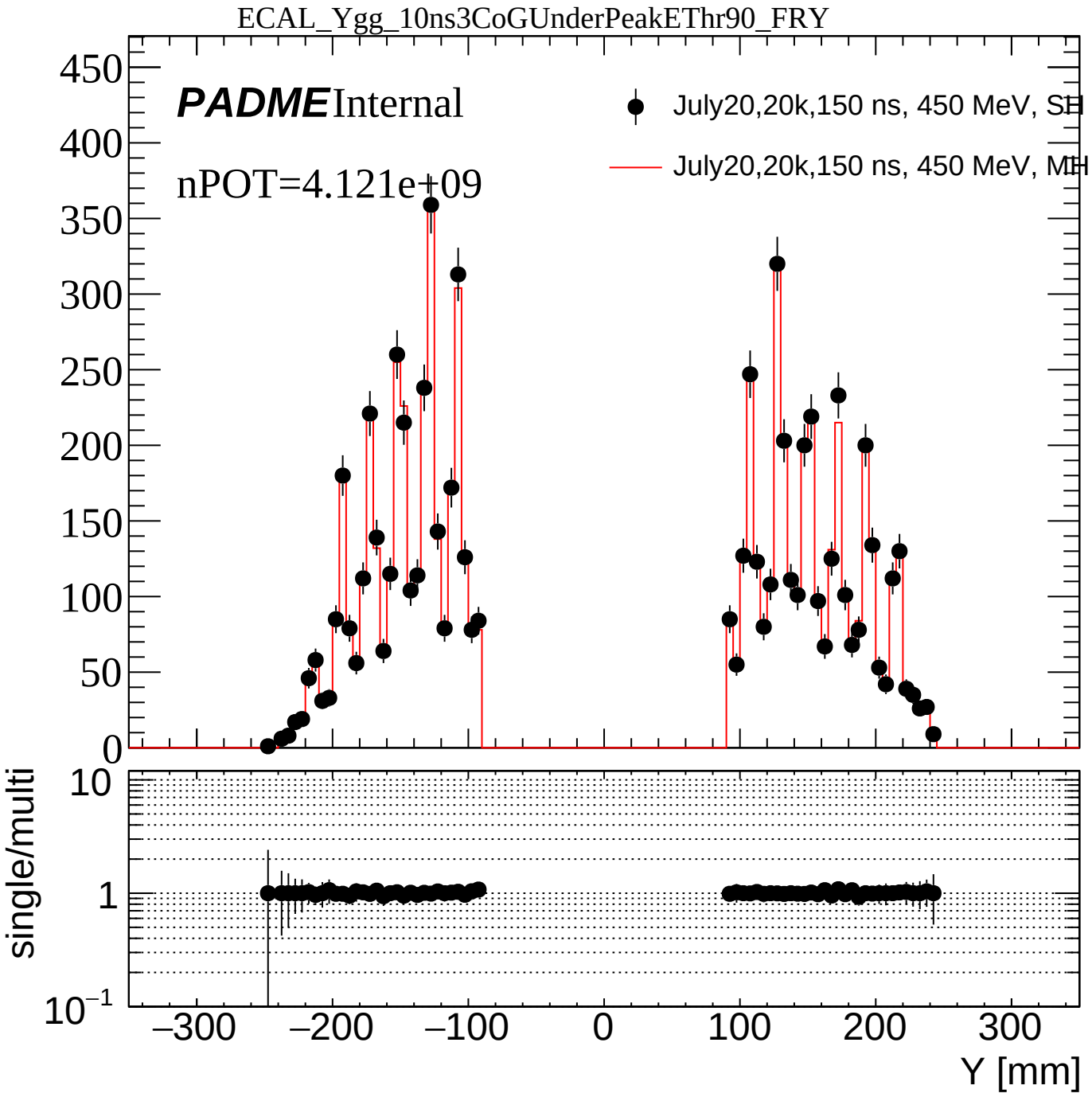

ECAL_Ygg_10ns1CoG20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

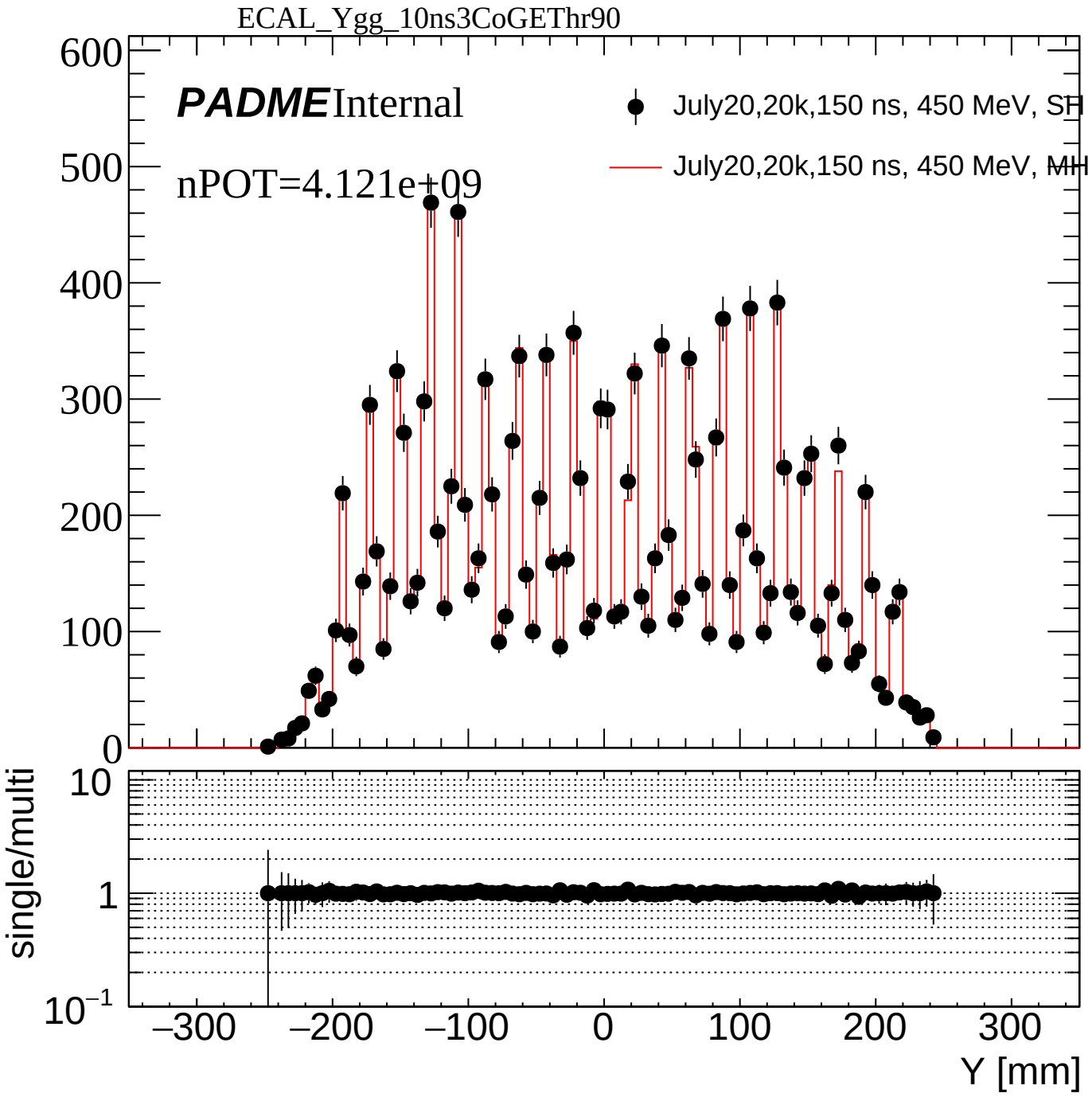

ECAL_Ygg_10ns1CoG20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

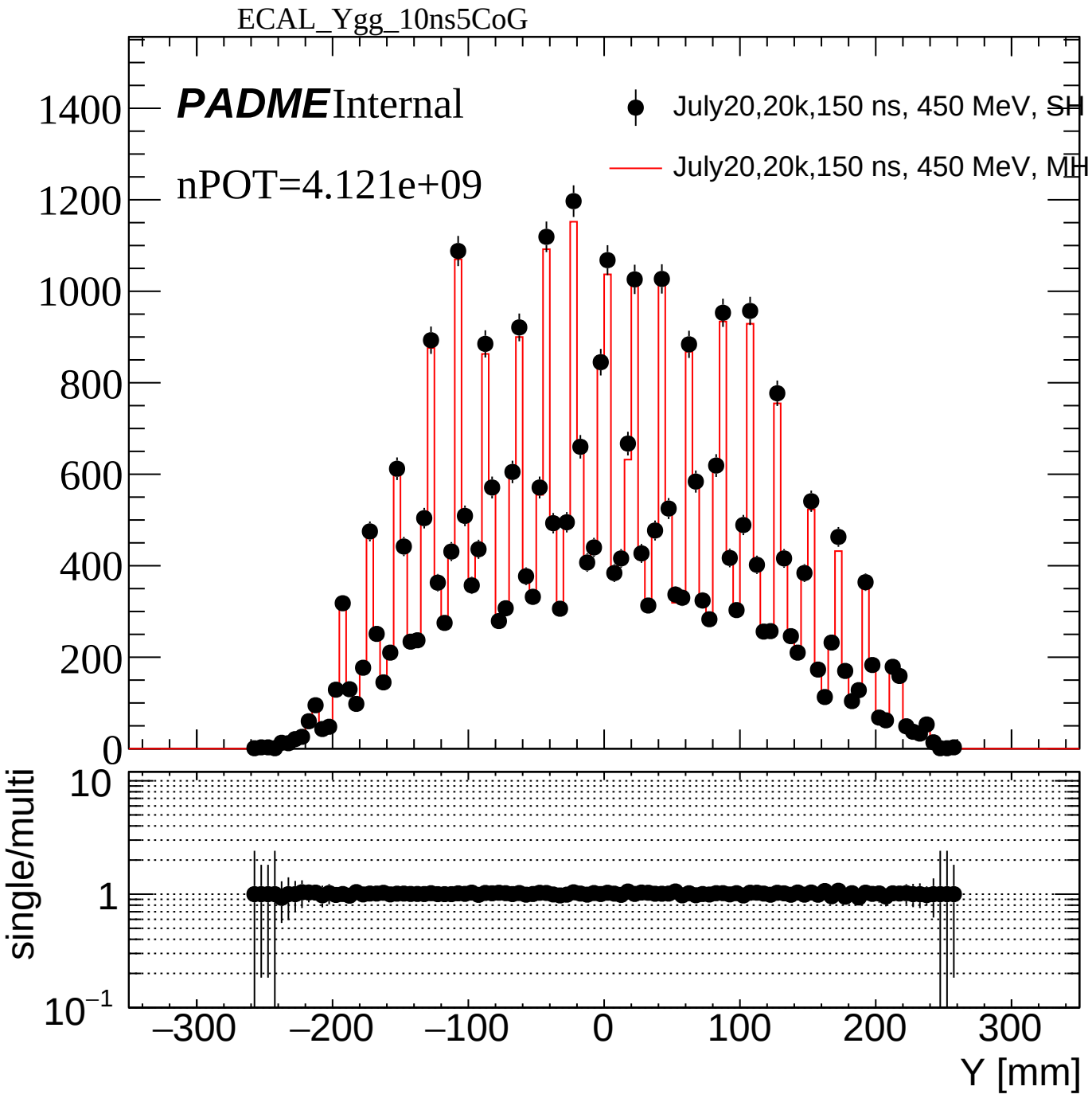

ECAL_Ygg_10ns3CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

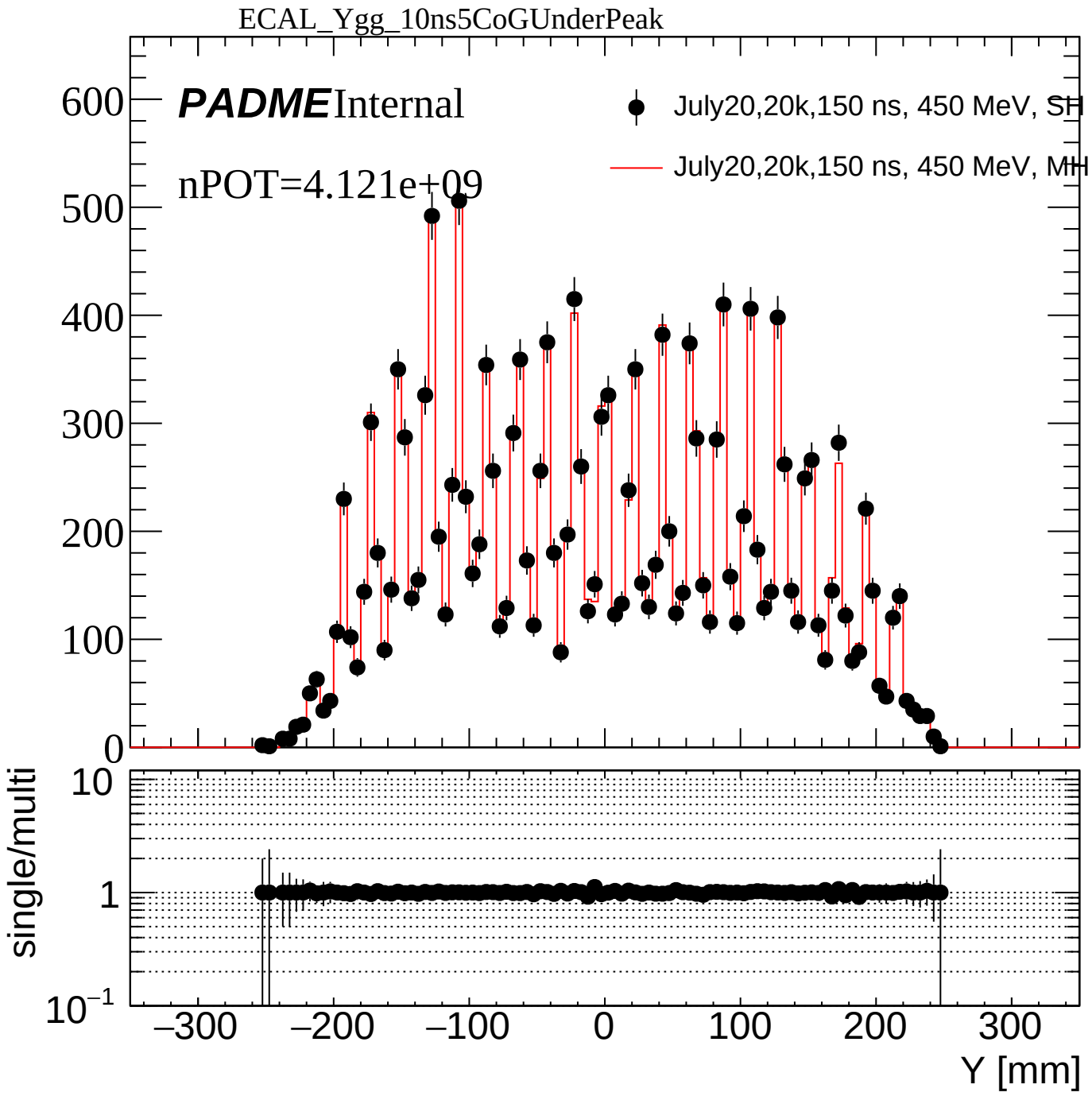

ECAL_Ygg_10ns3CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

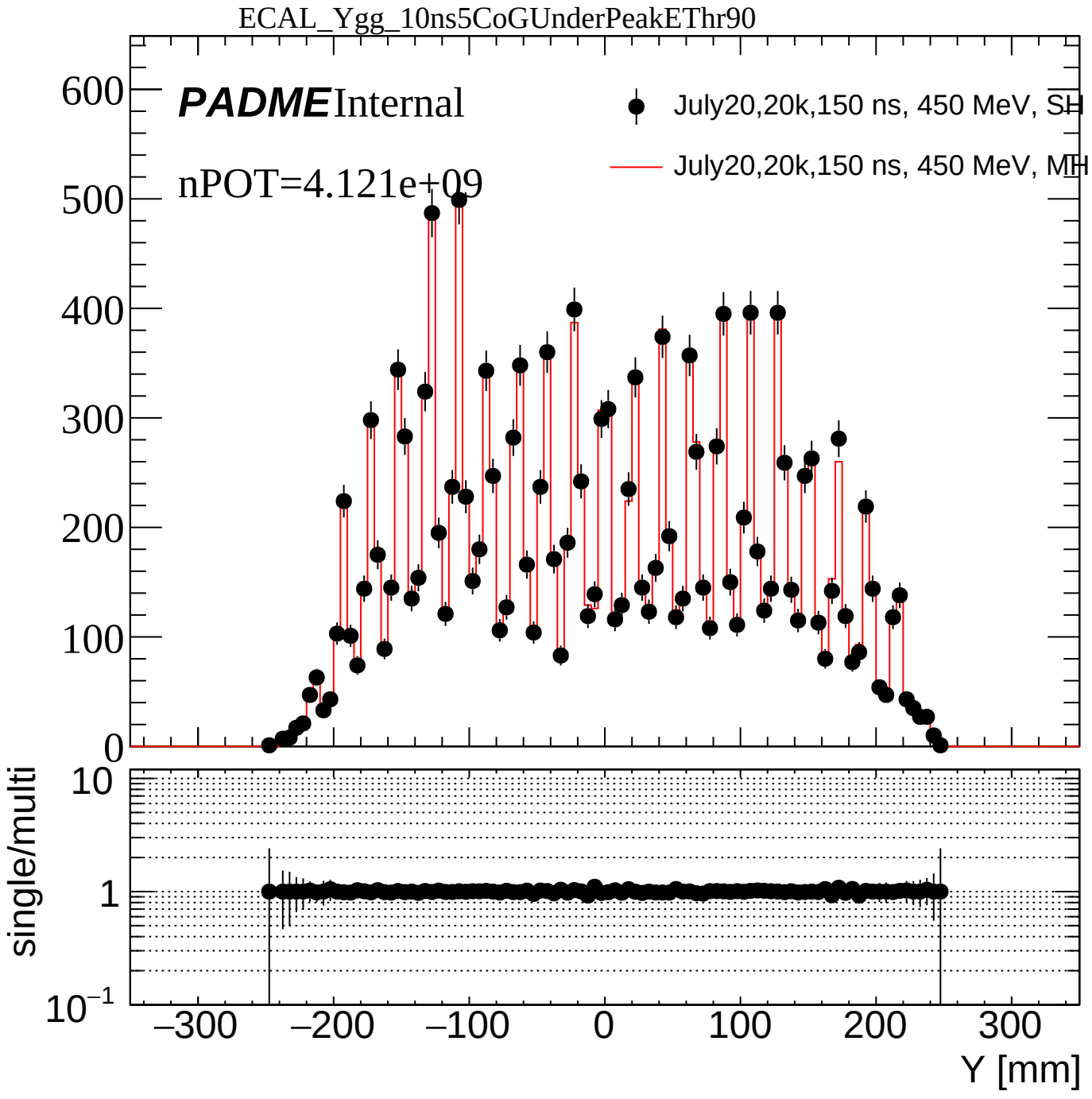

ECAL_Ygg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

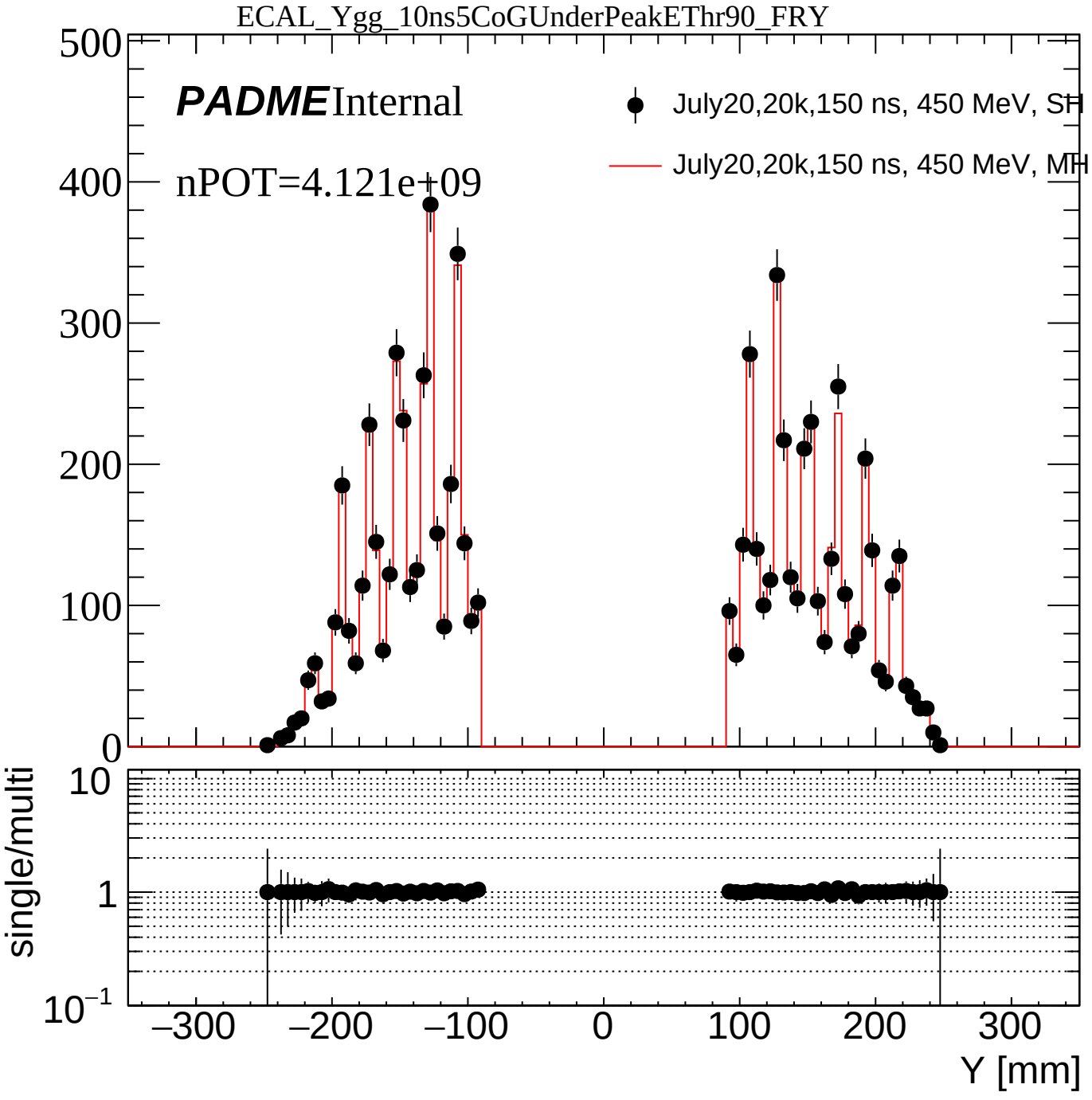

ECAL_Ygg_10ns3CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
450
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

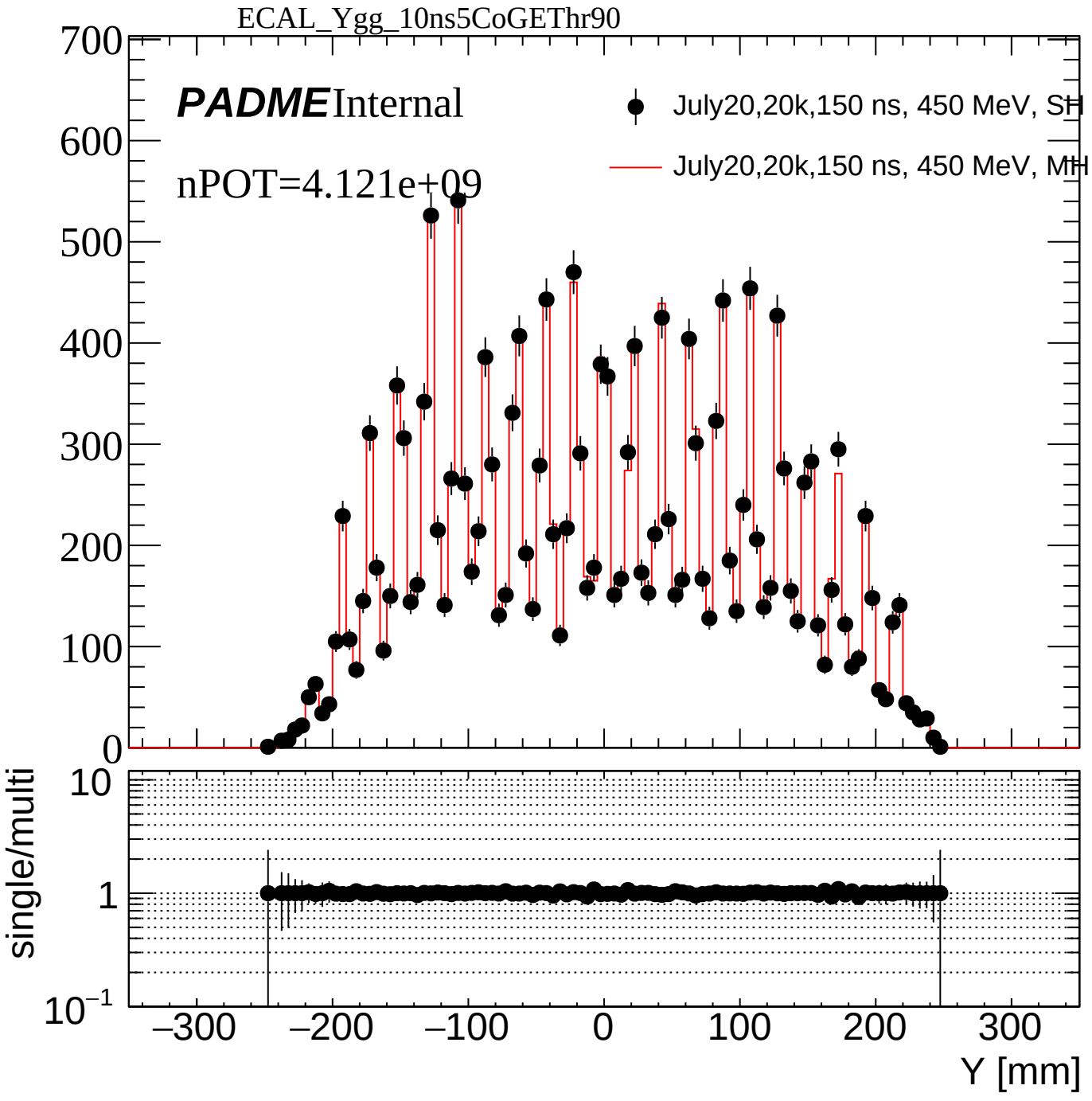

ECAL_Ygg_10ns3CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

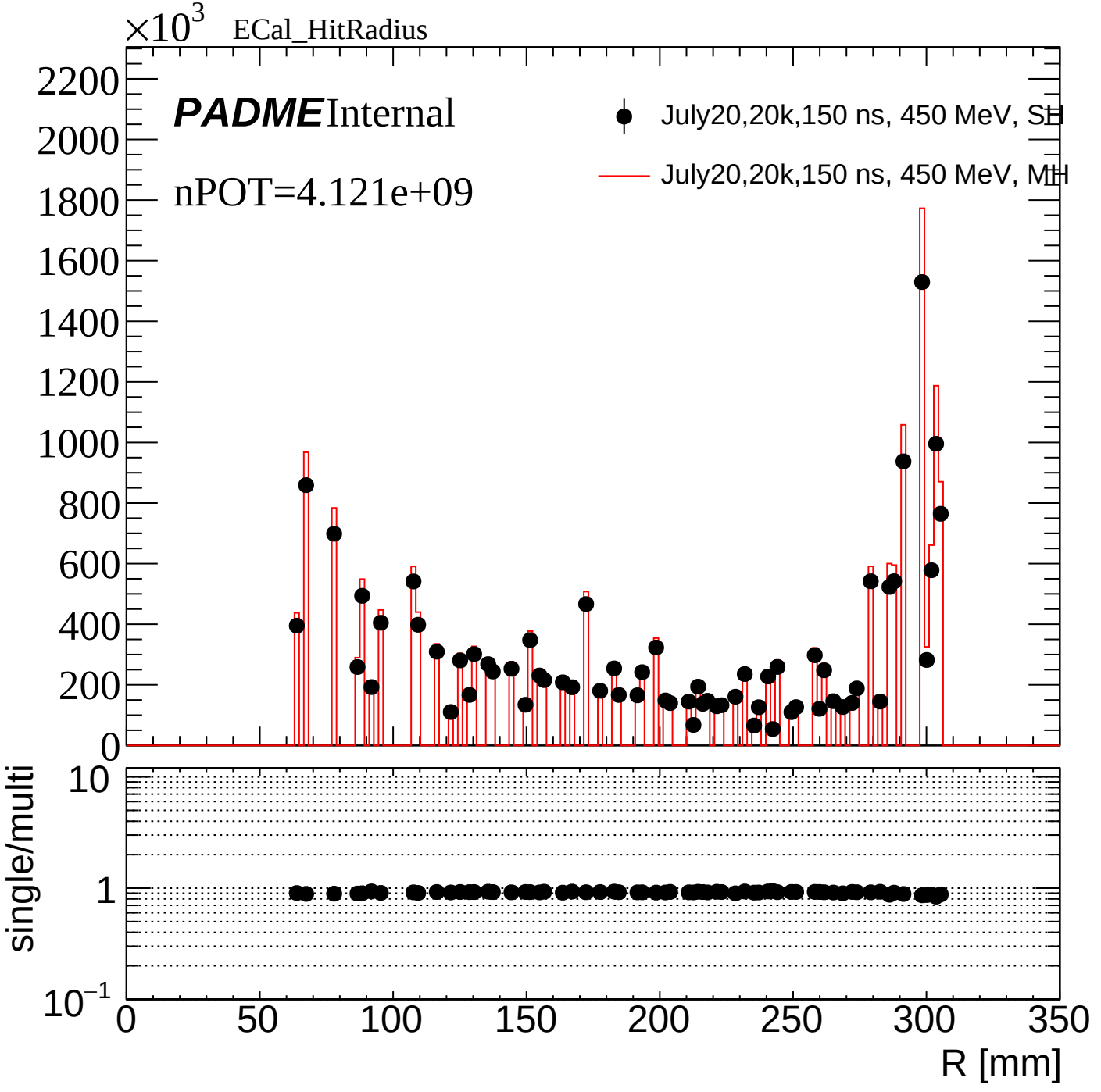

ECAL_Ygg_10ns5CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

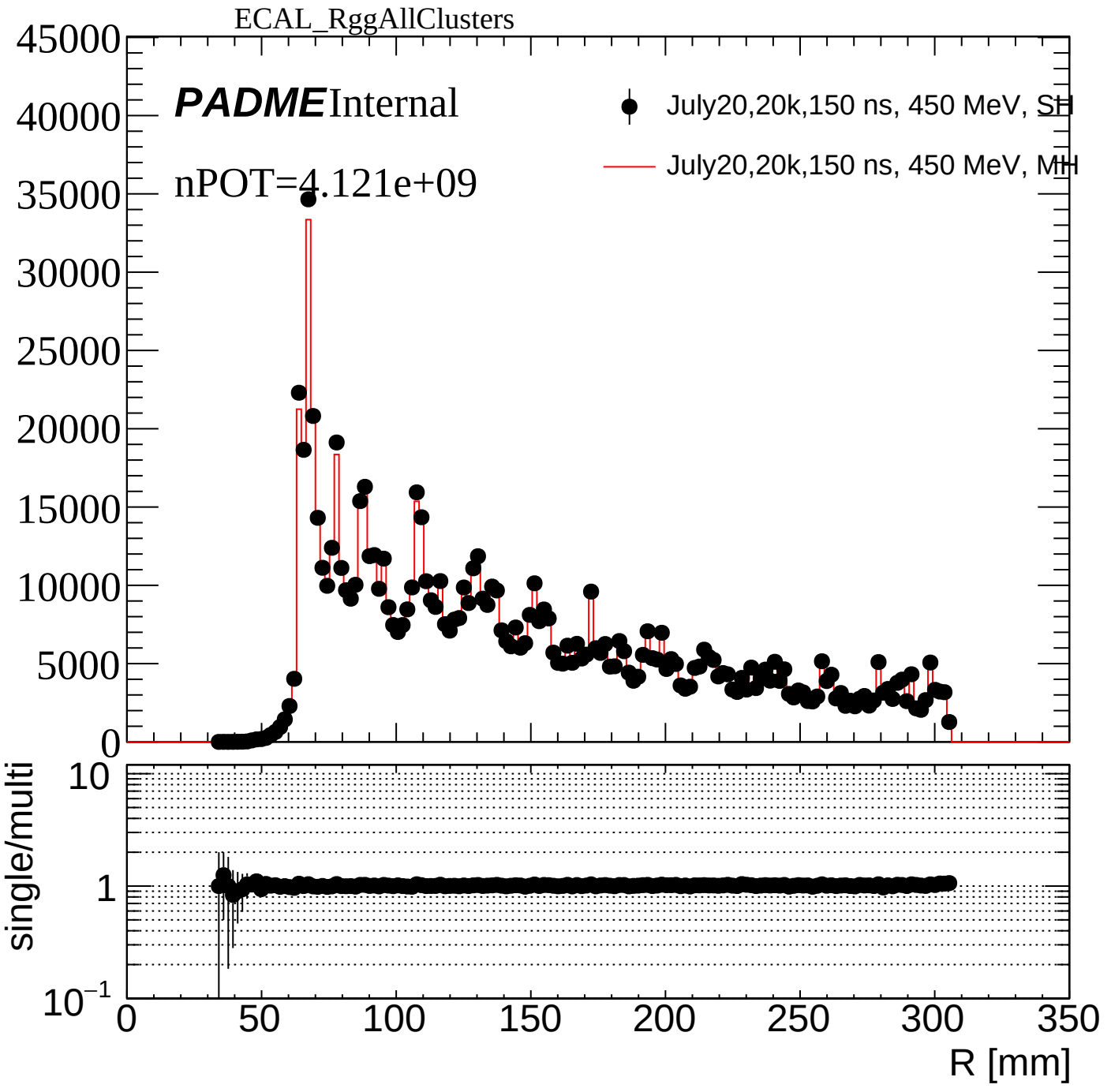

ECAL_Ygg_10ns5CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

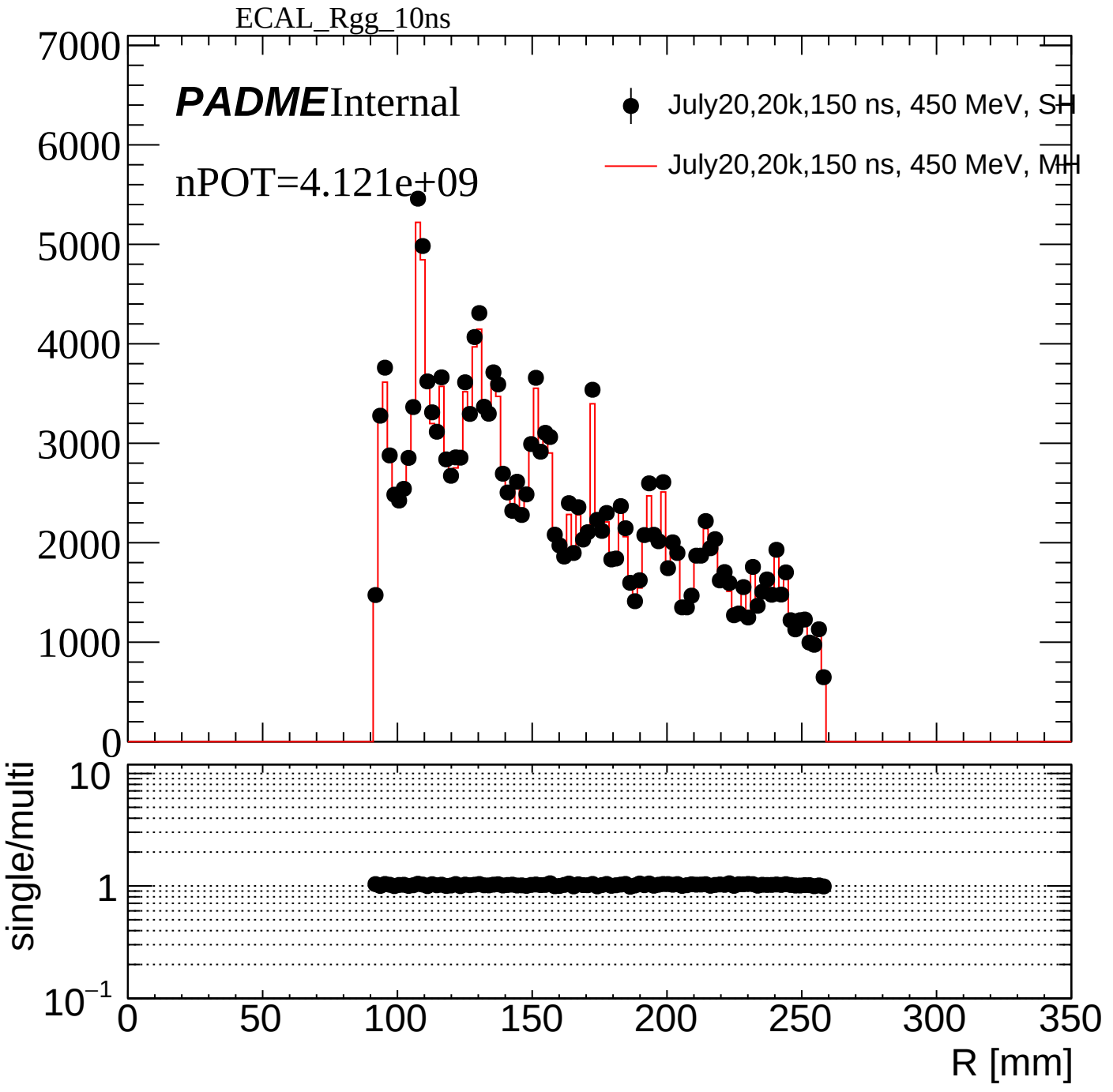

ECAL_Ygg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

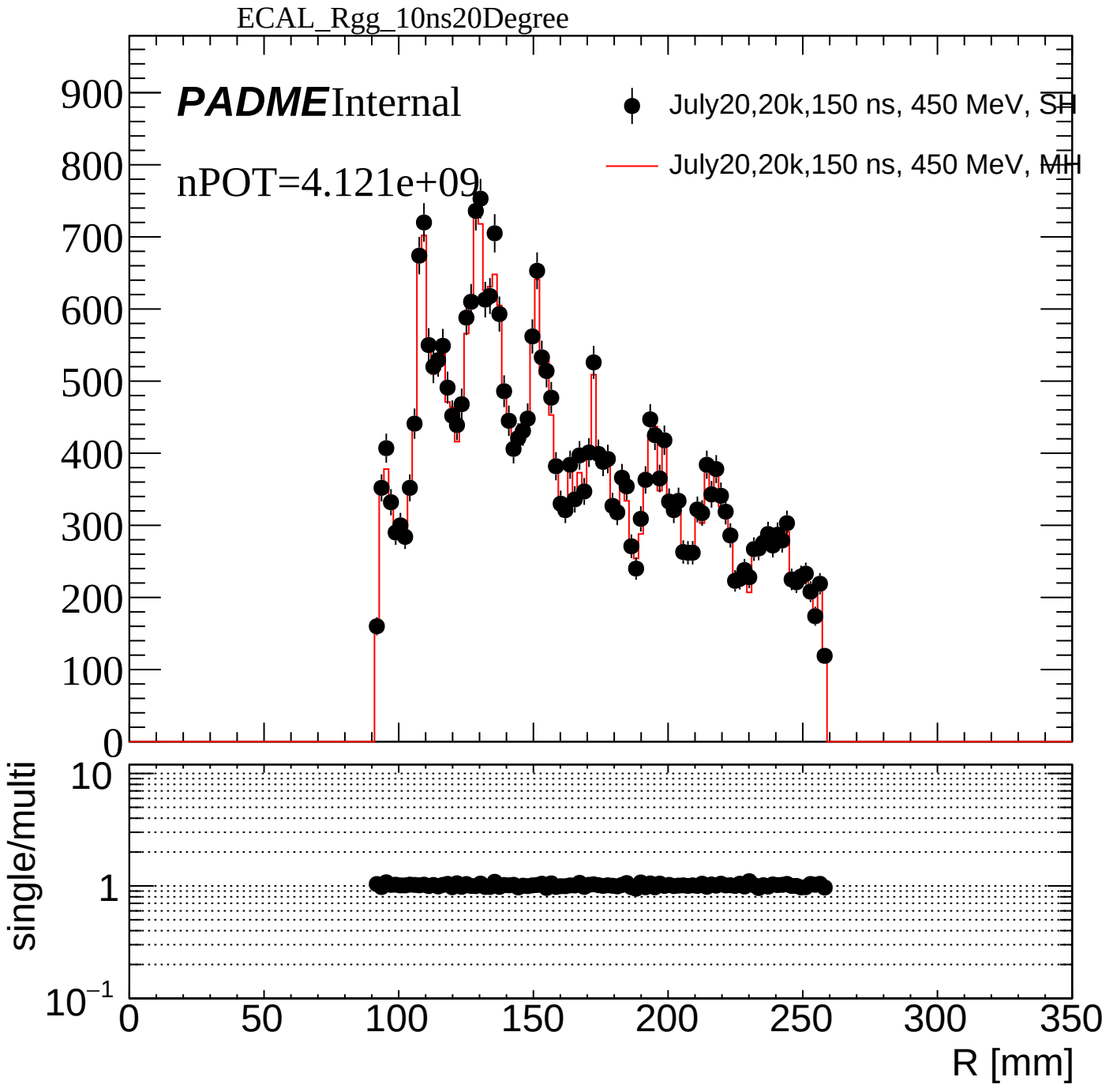

ECAL_Ygg_10ns5CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

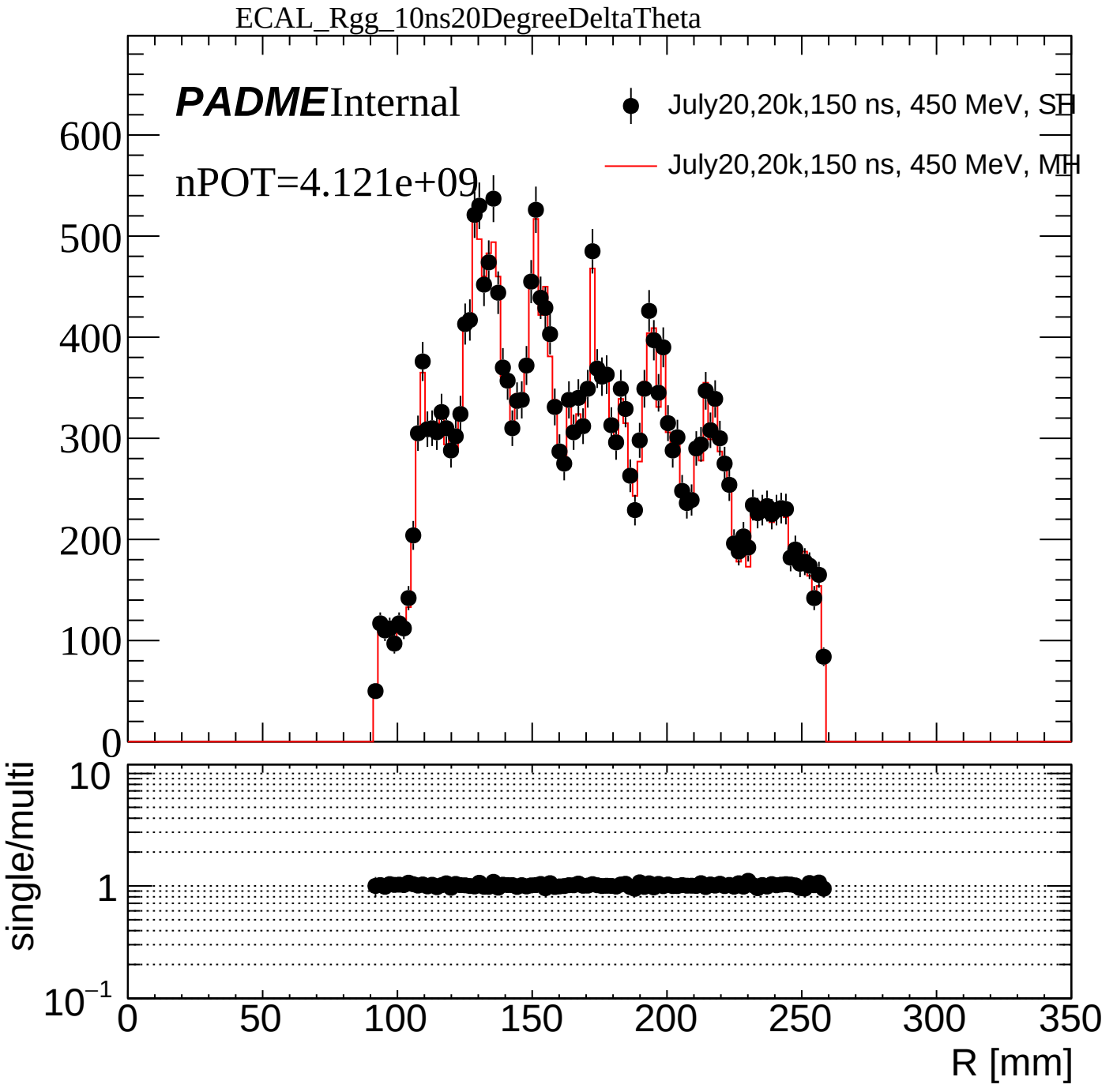

ECAL_Ygg_10ns5CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
Y [mm]

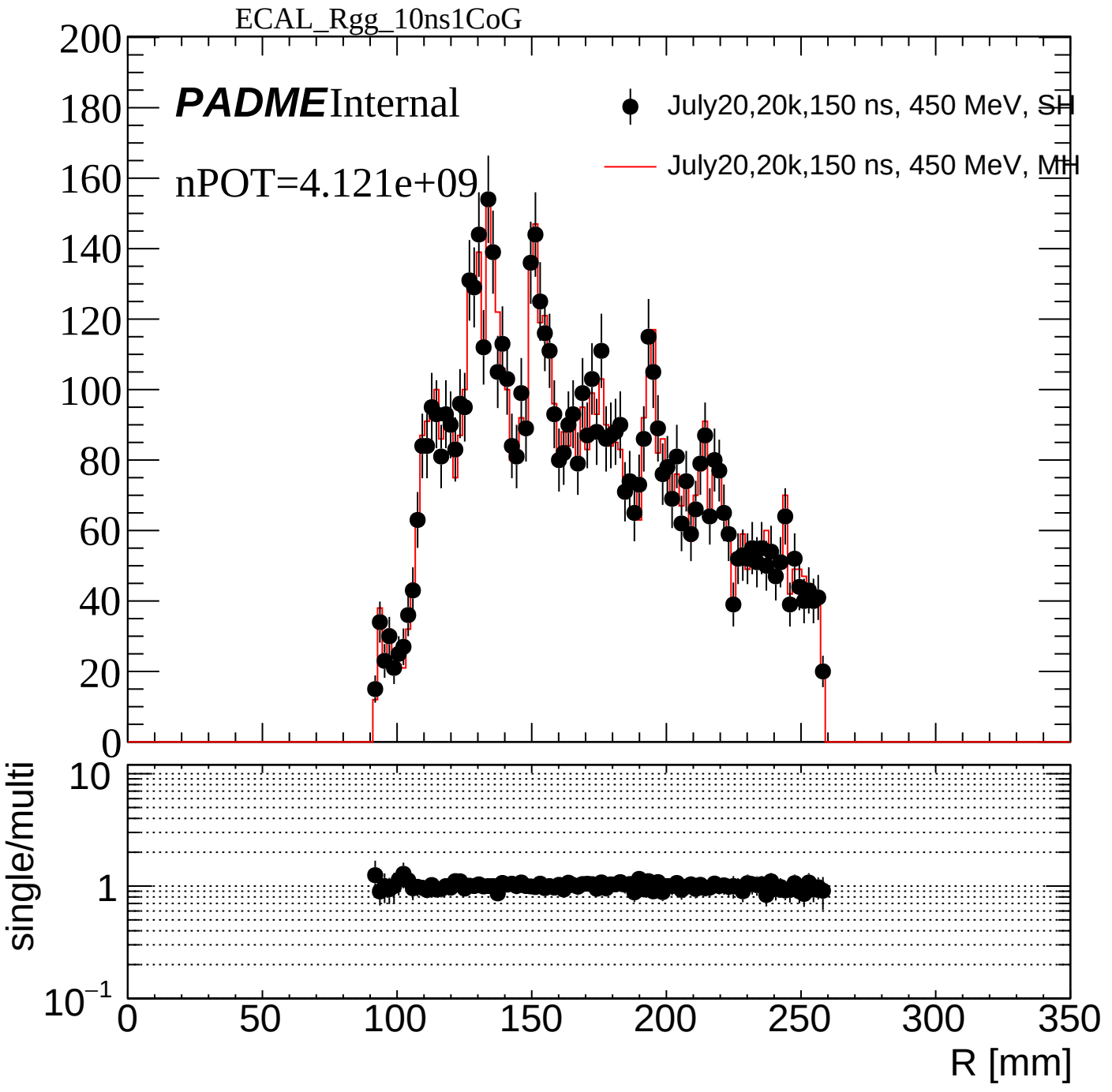

×10^3
ECal_HitRadius
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^−1
0
50
100
150
200
250
300
350
R [mm]

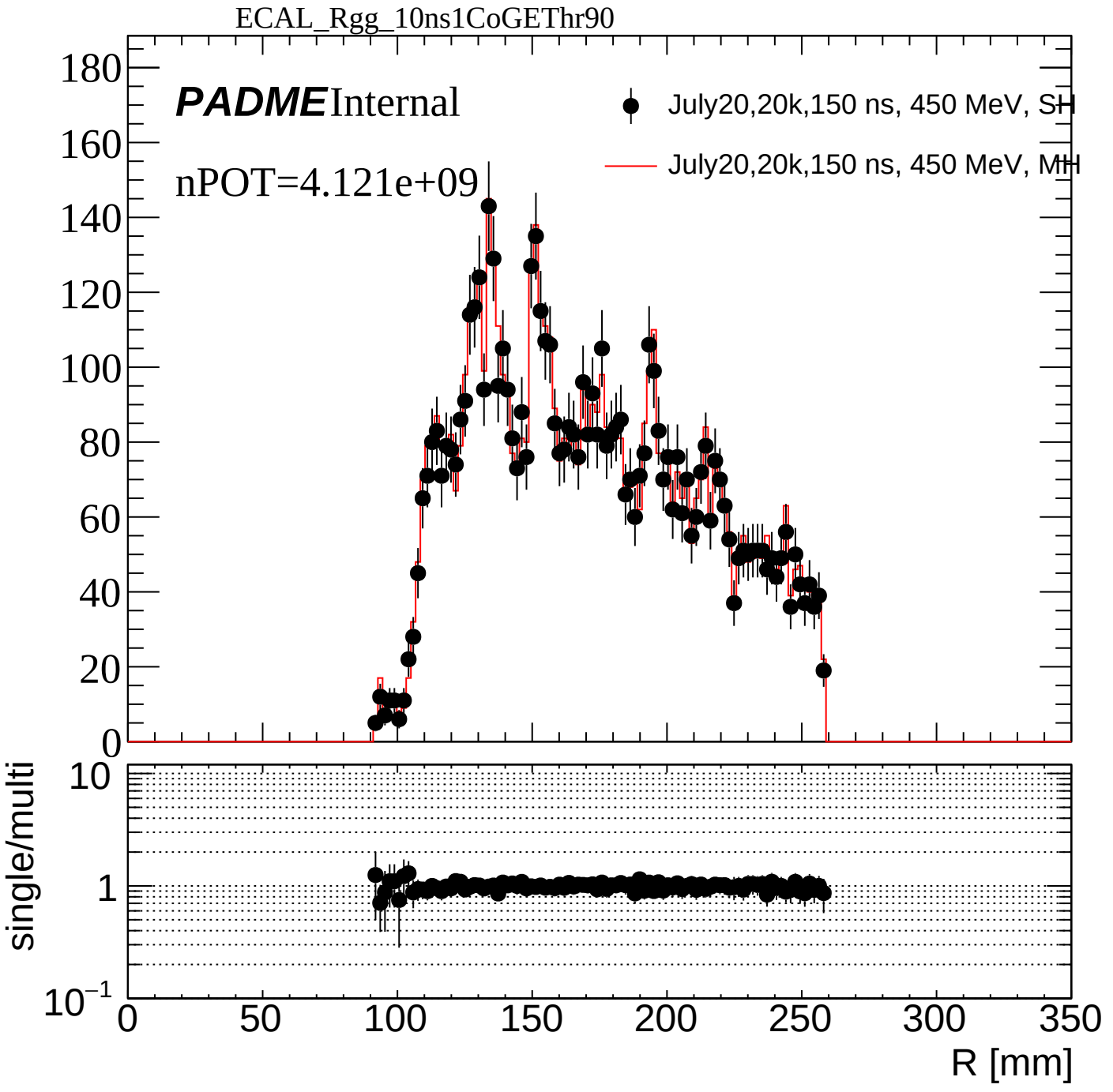

ECAL_RggAllClusters
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

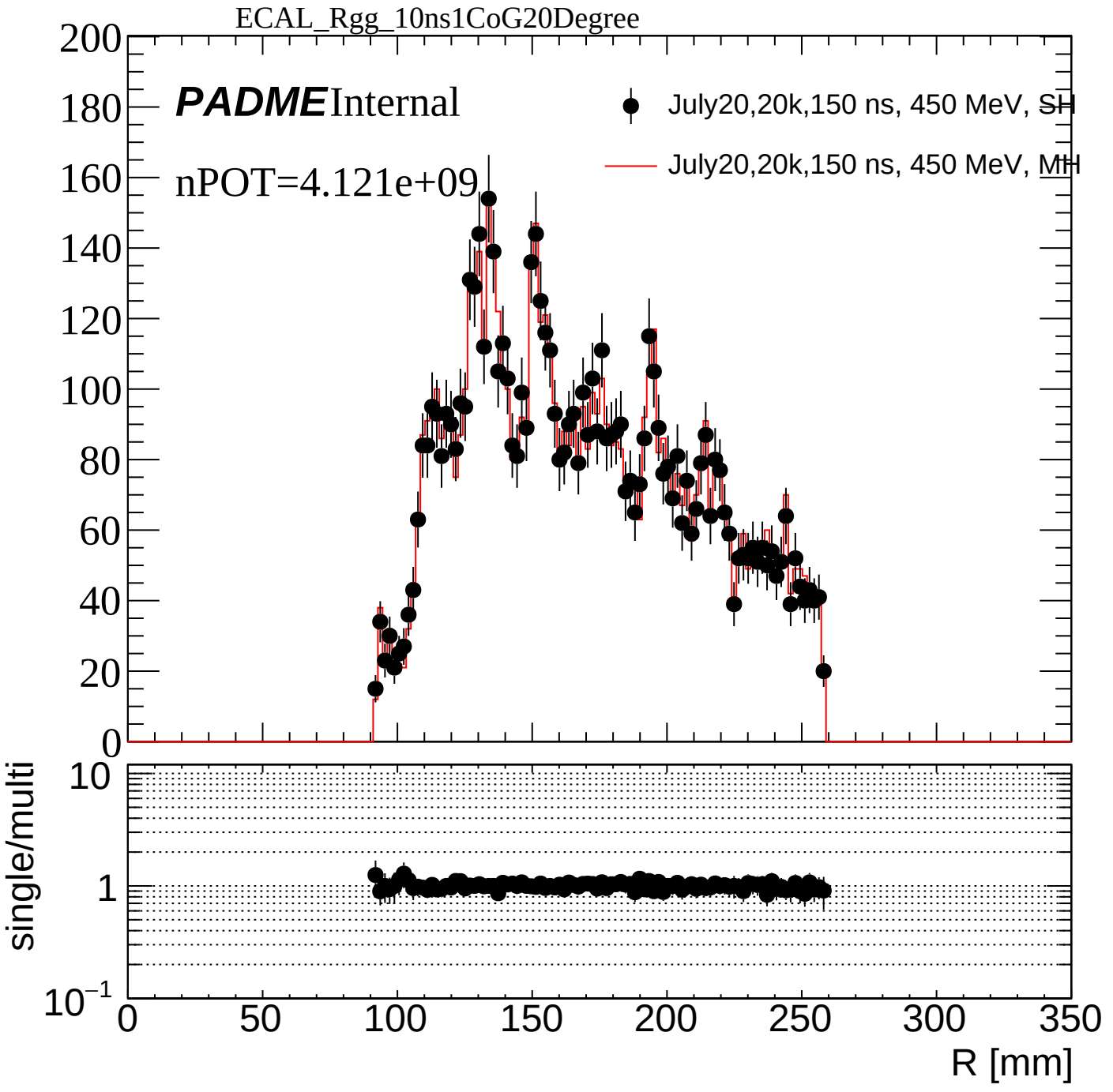

ECAL_Rgg_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
7000
6000
5000
4000
3000
2000
1000
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

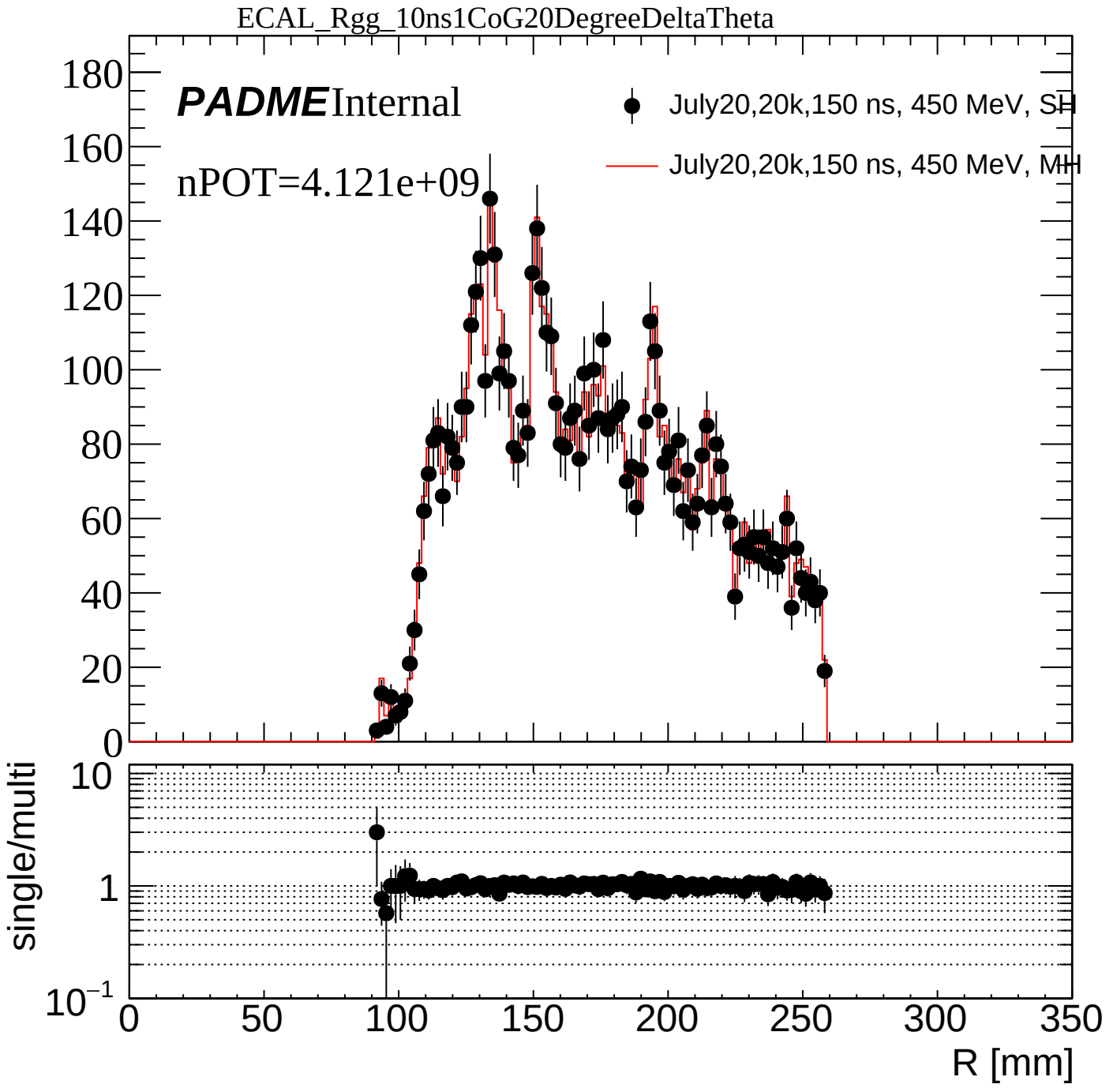

ECAL_Rgg_10ns20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
900
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

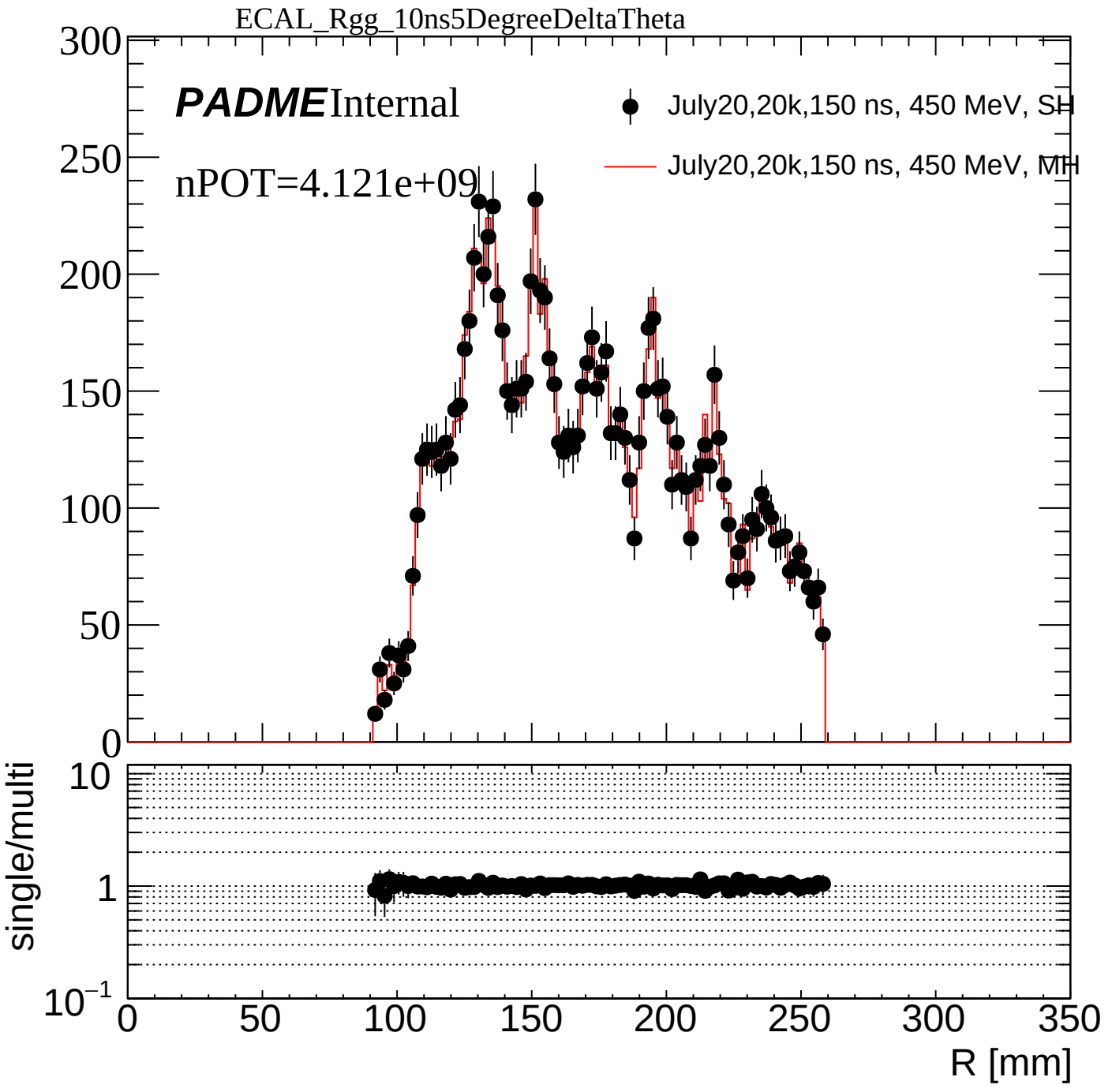

ECAL_Rgg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

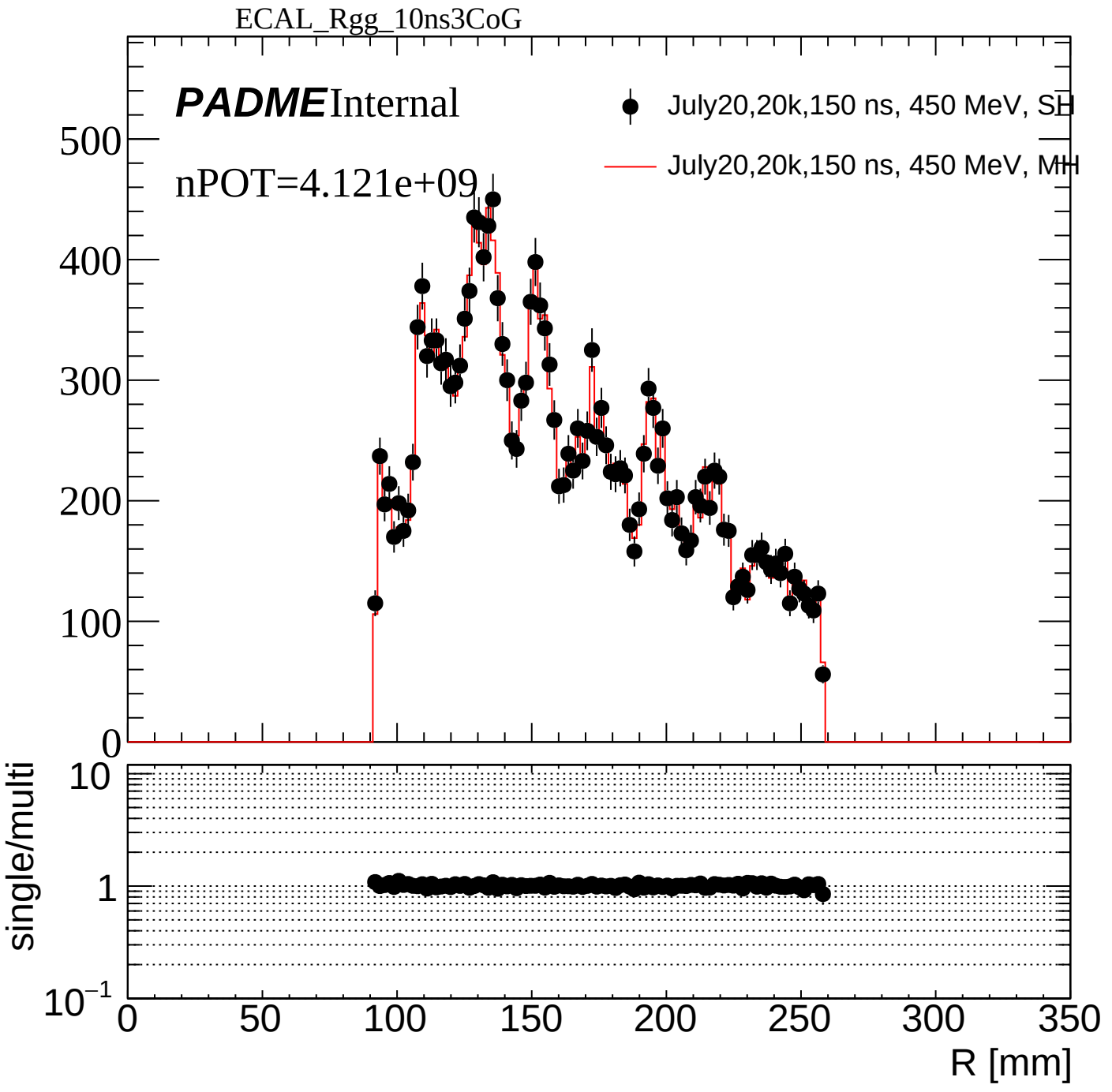

ECAL_Rgg_10ns1CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

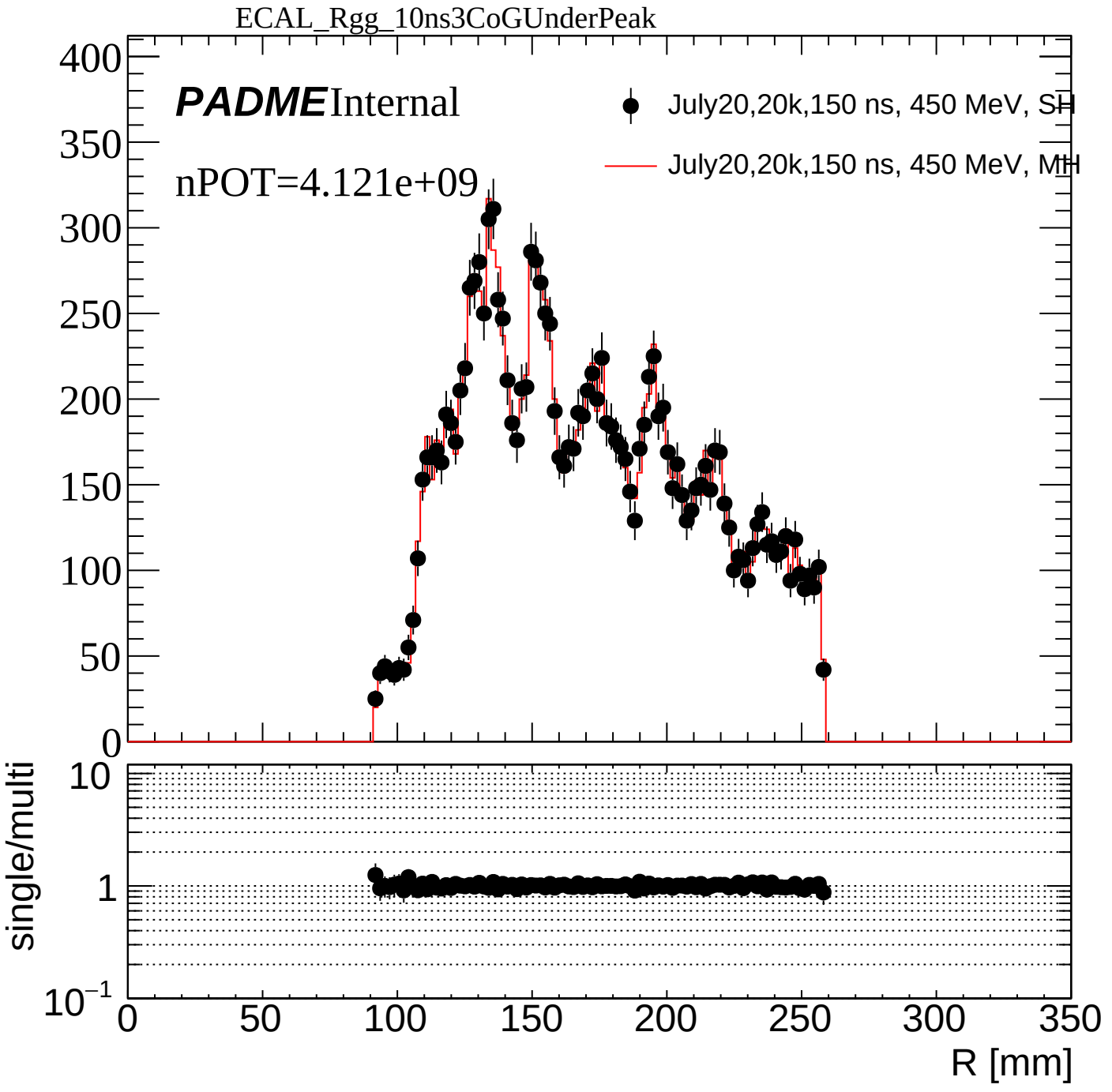

ECAL_Rgg_10ns1CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

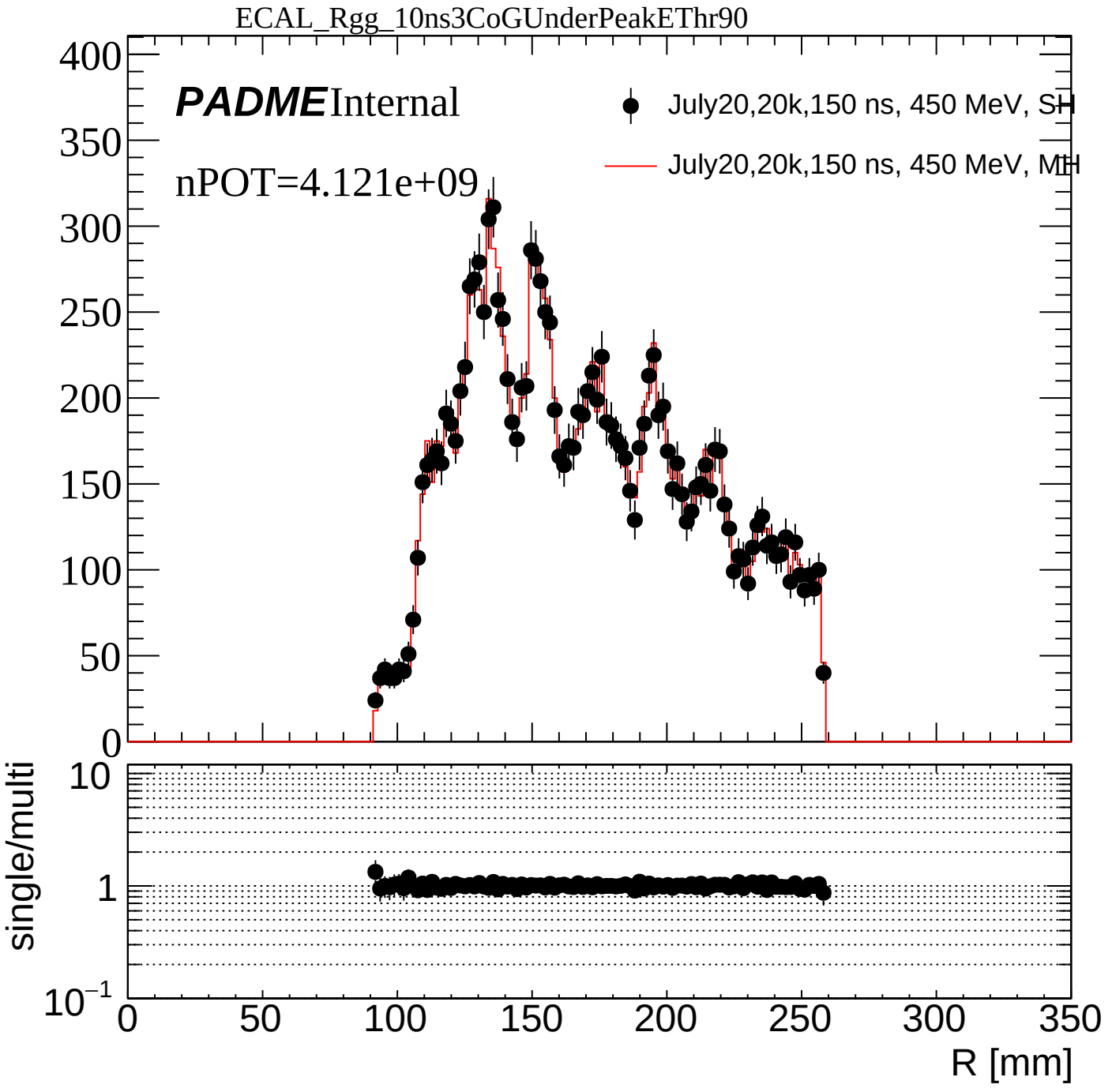

ECAL_Rgg_10ns1CoG20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

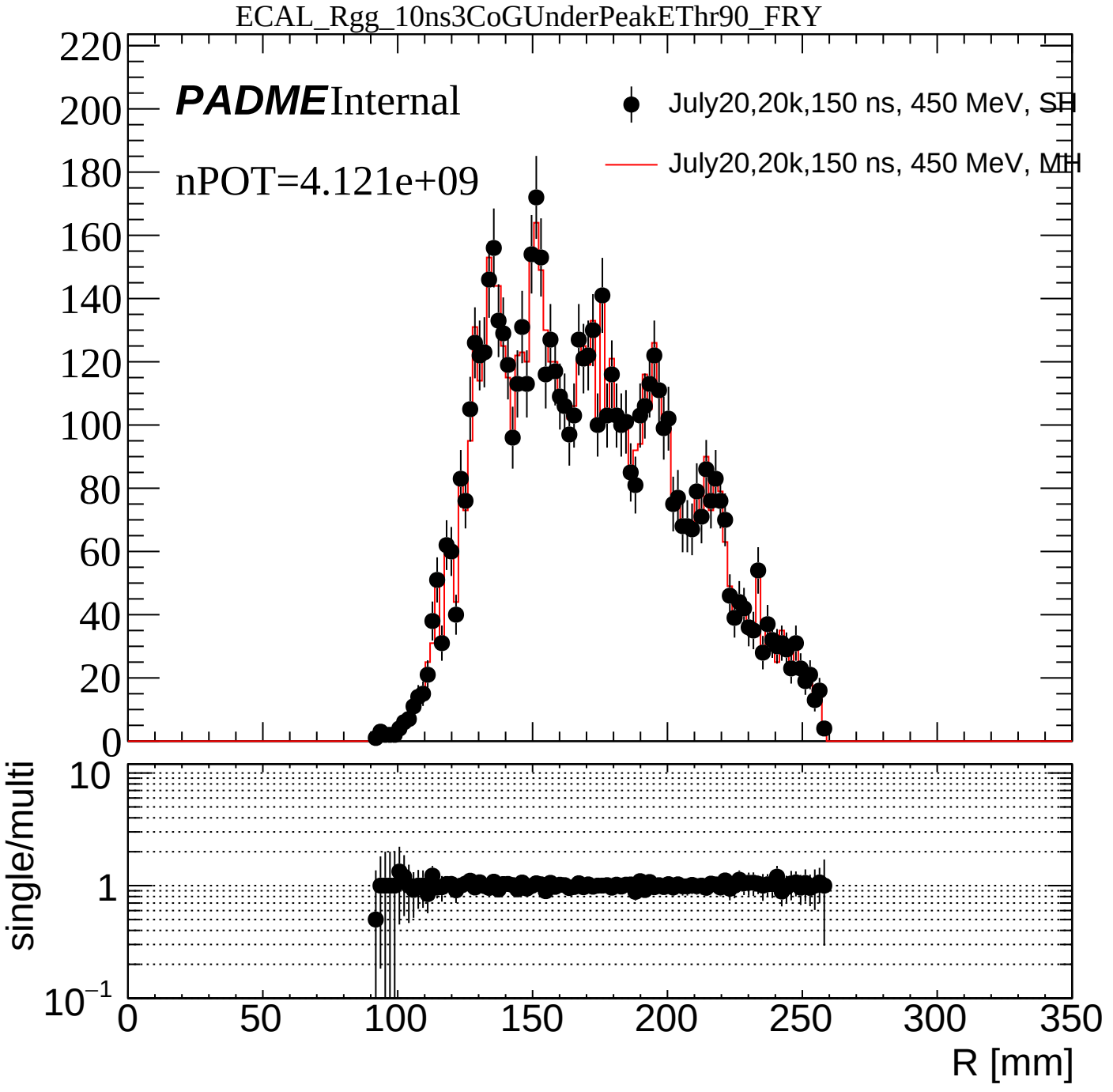

ECAL_Rgg_10ns1CoG20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

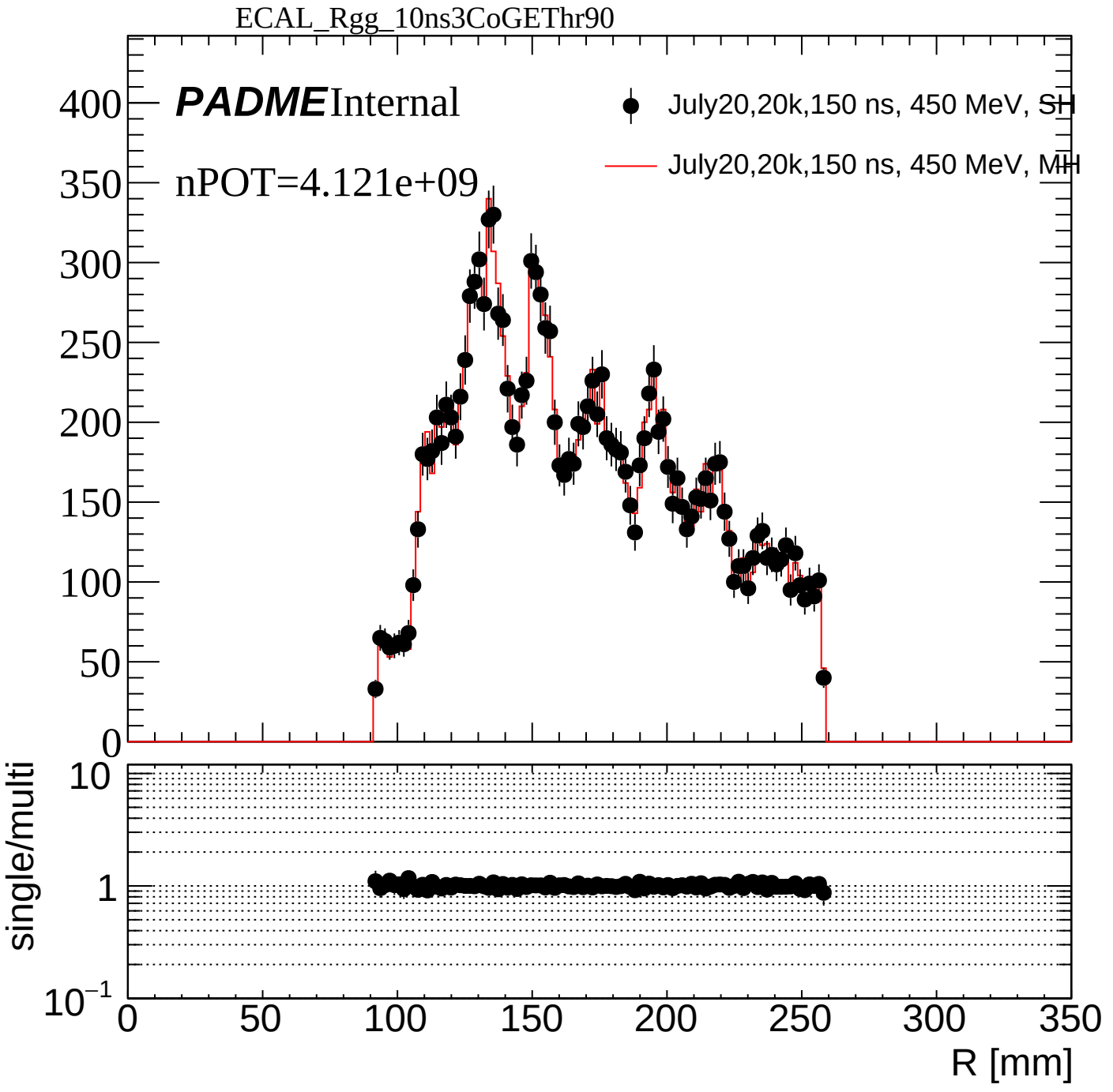

ECAL_Rgg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

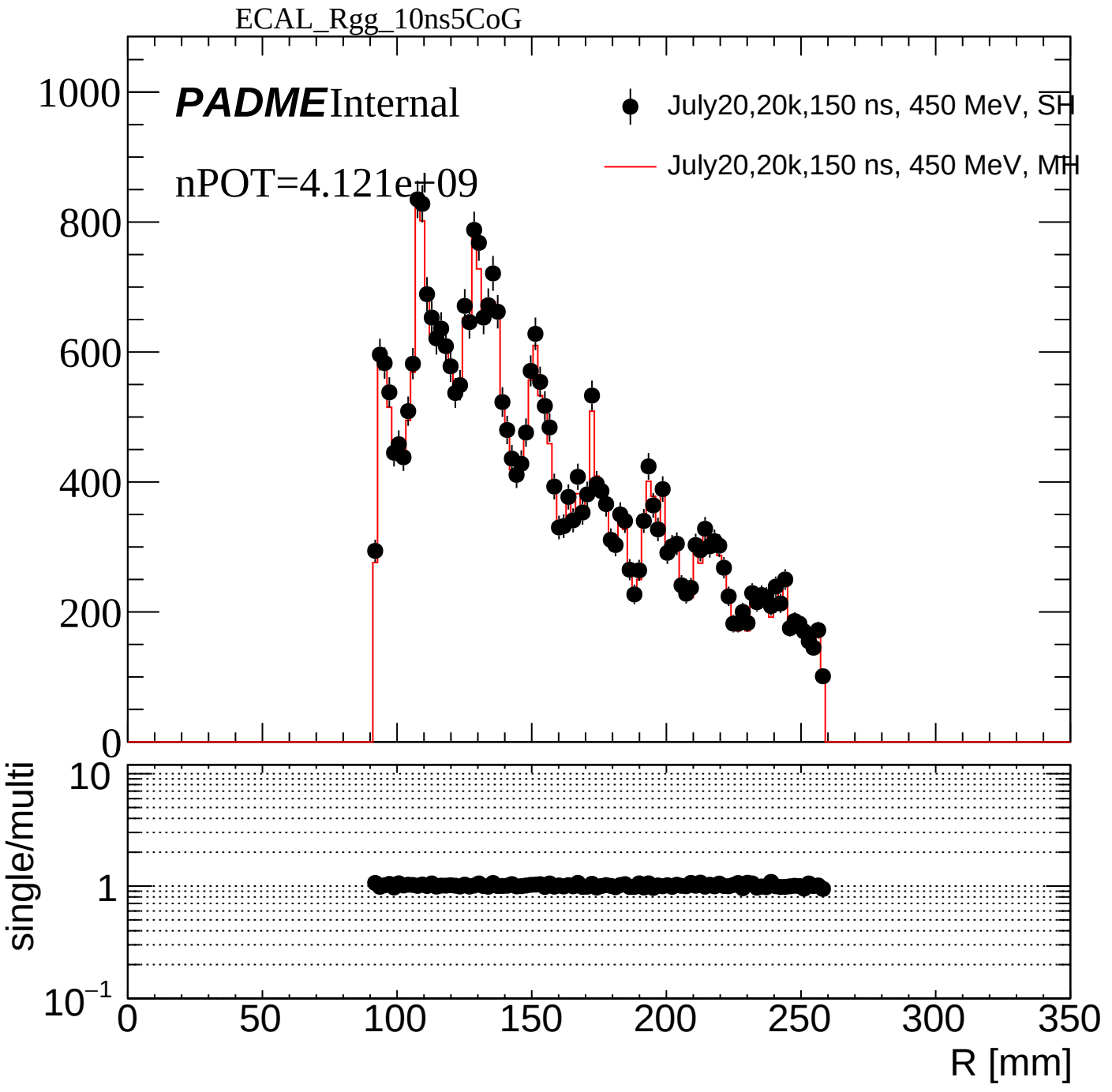

ECAL_Rgg_10ns3CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

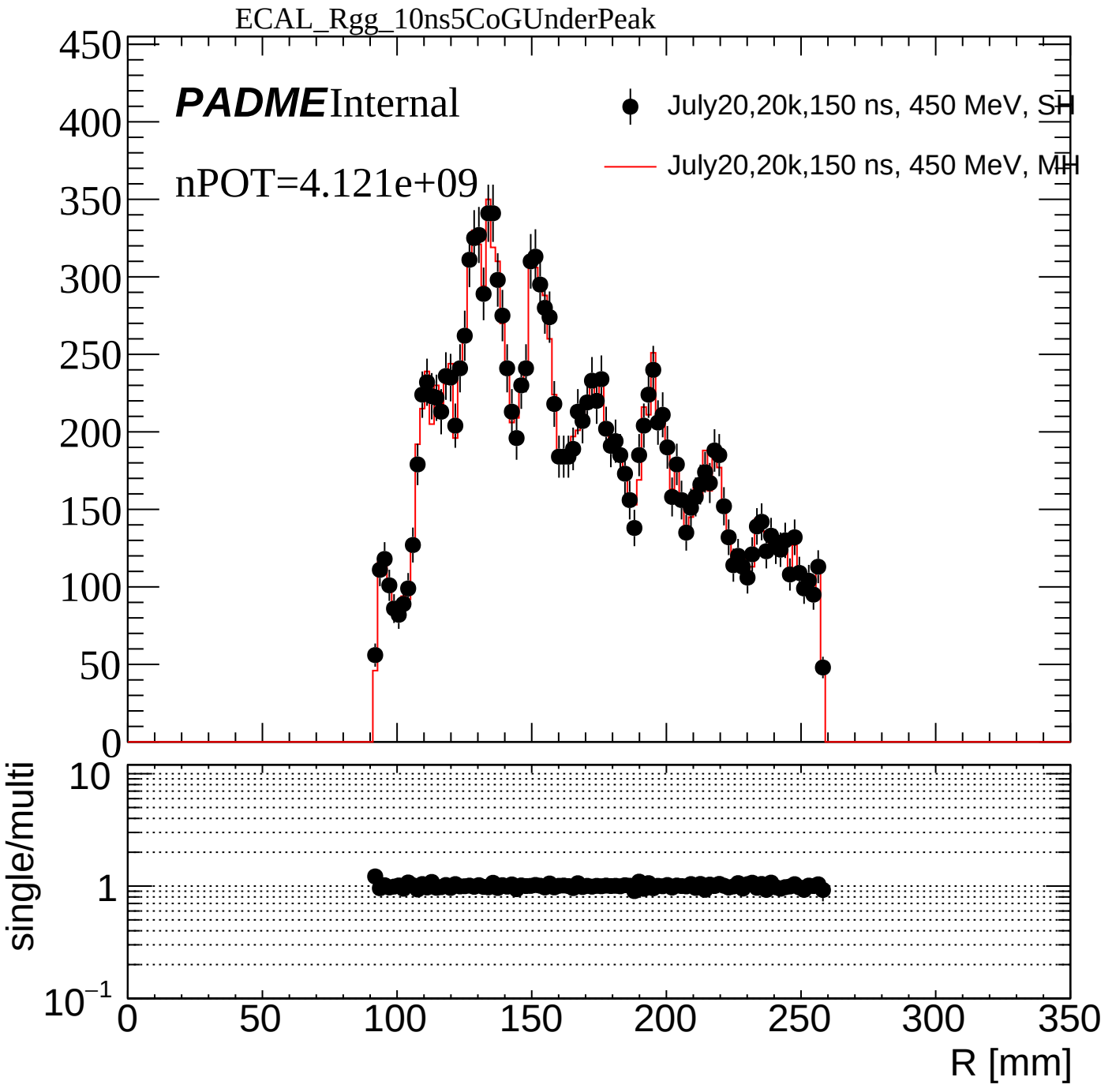

ECAL_Rgg_10ns3CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

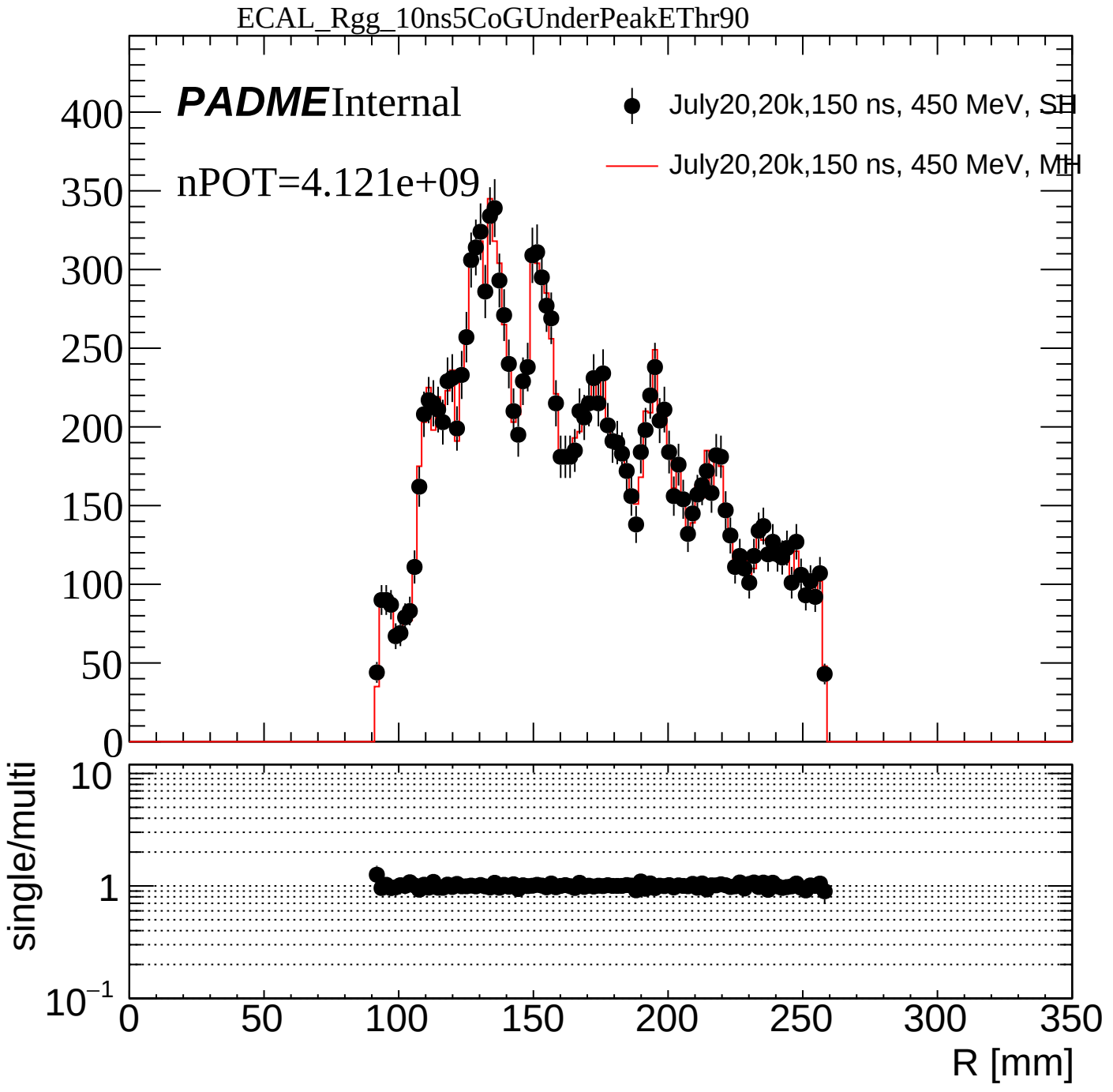

ECAL_Rgg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

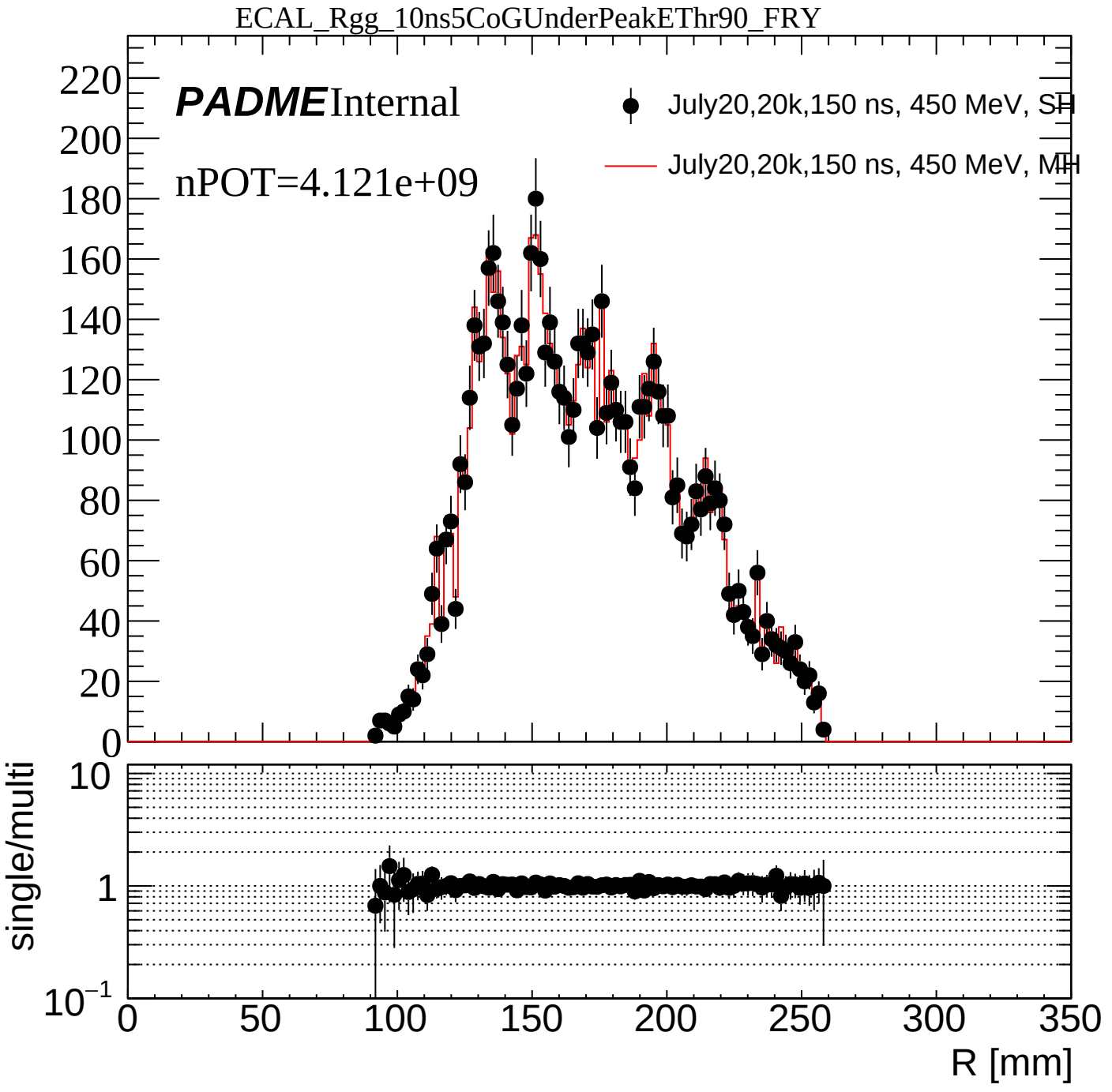

ECAL_Rgg_10ns3CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

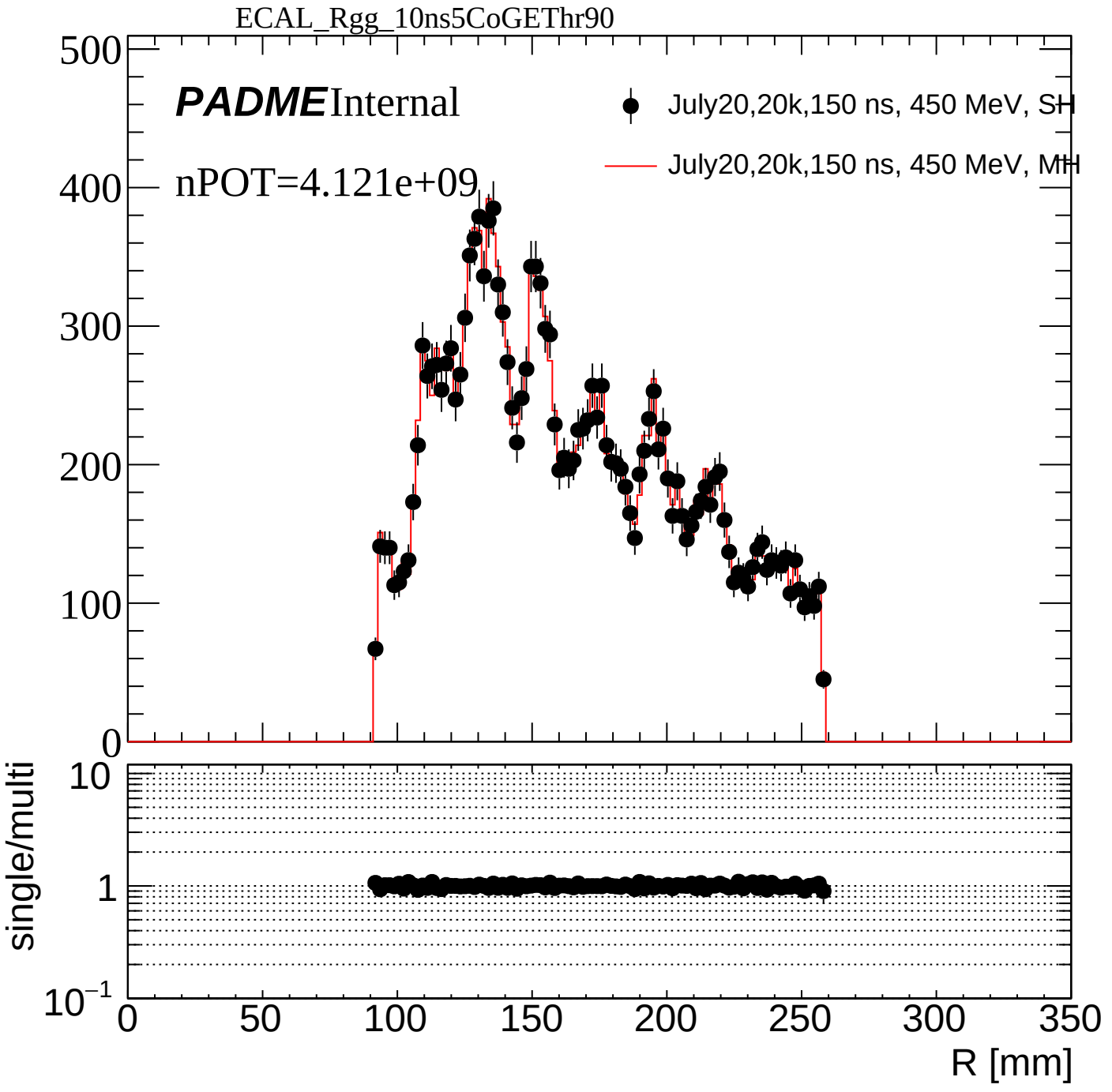

ECAL_Rgg_10ns3CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

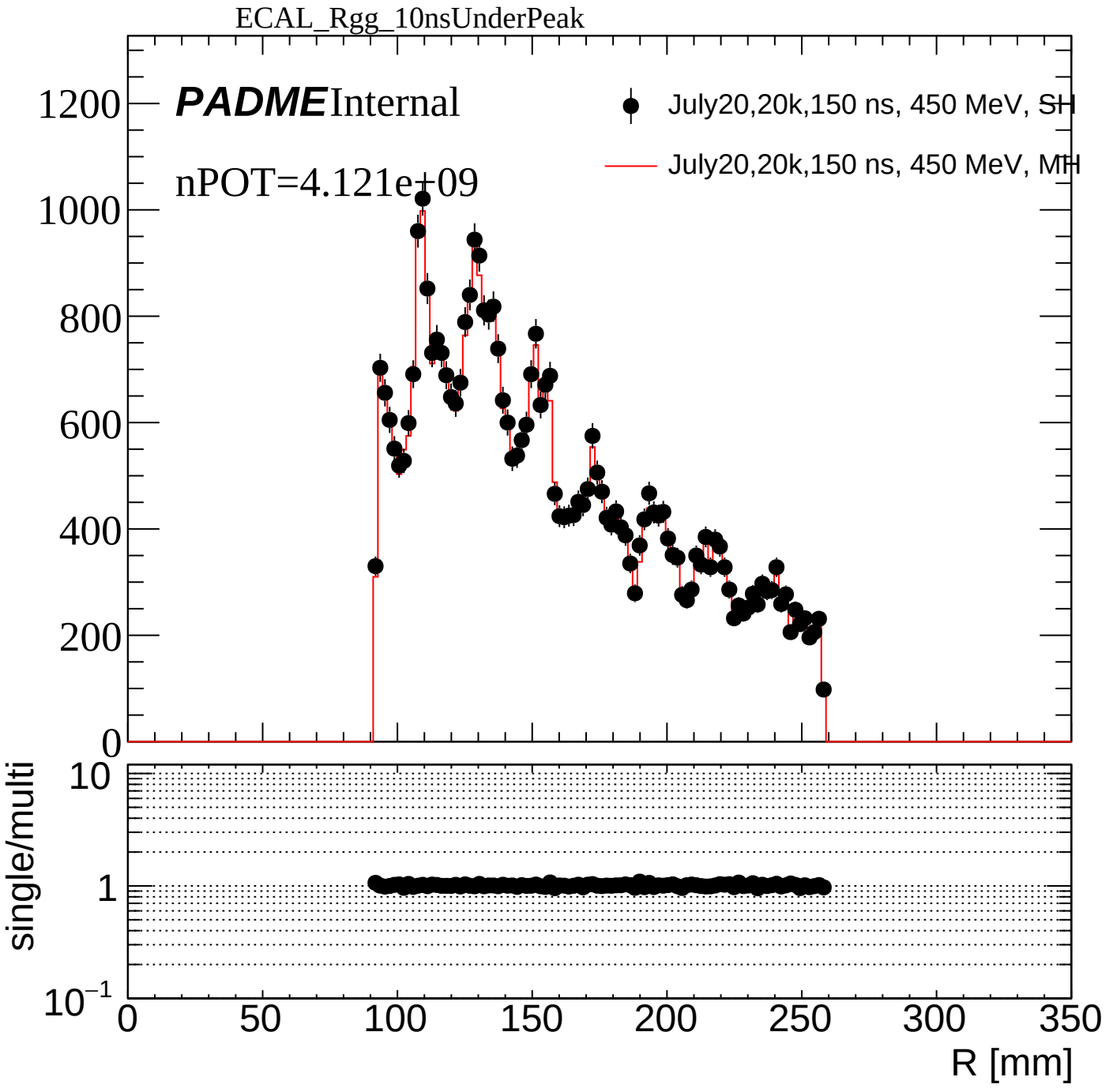

ECAL_Rgg_10ns5CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

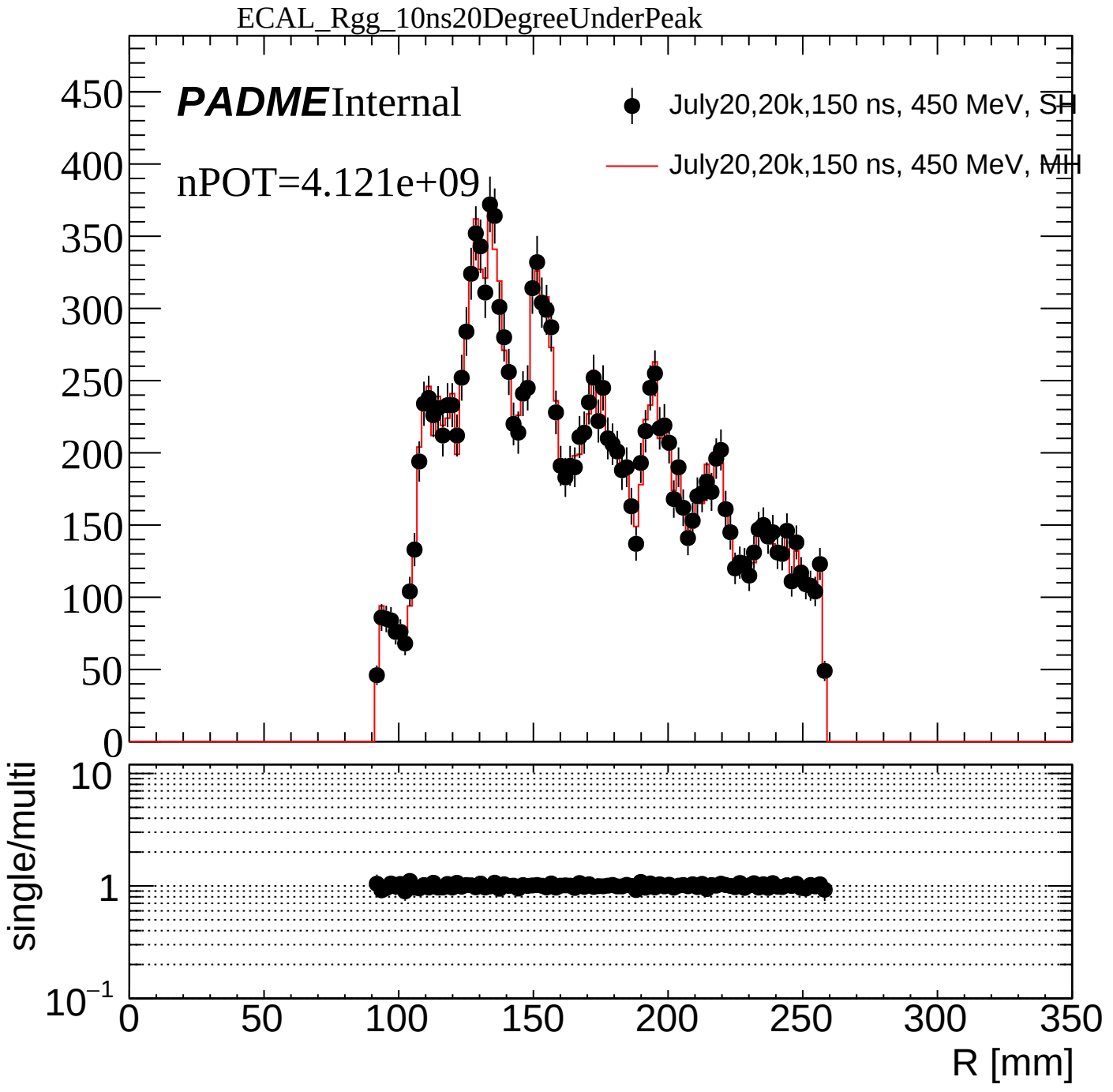

ECAL_Rgg_10ns5CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

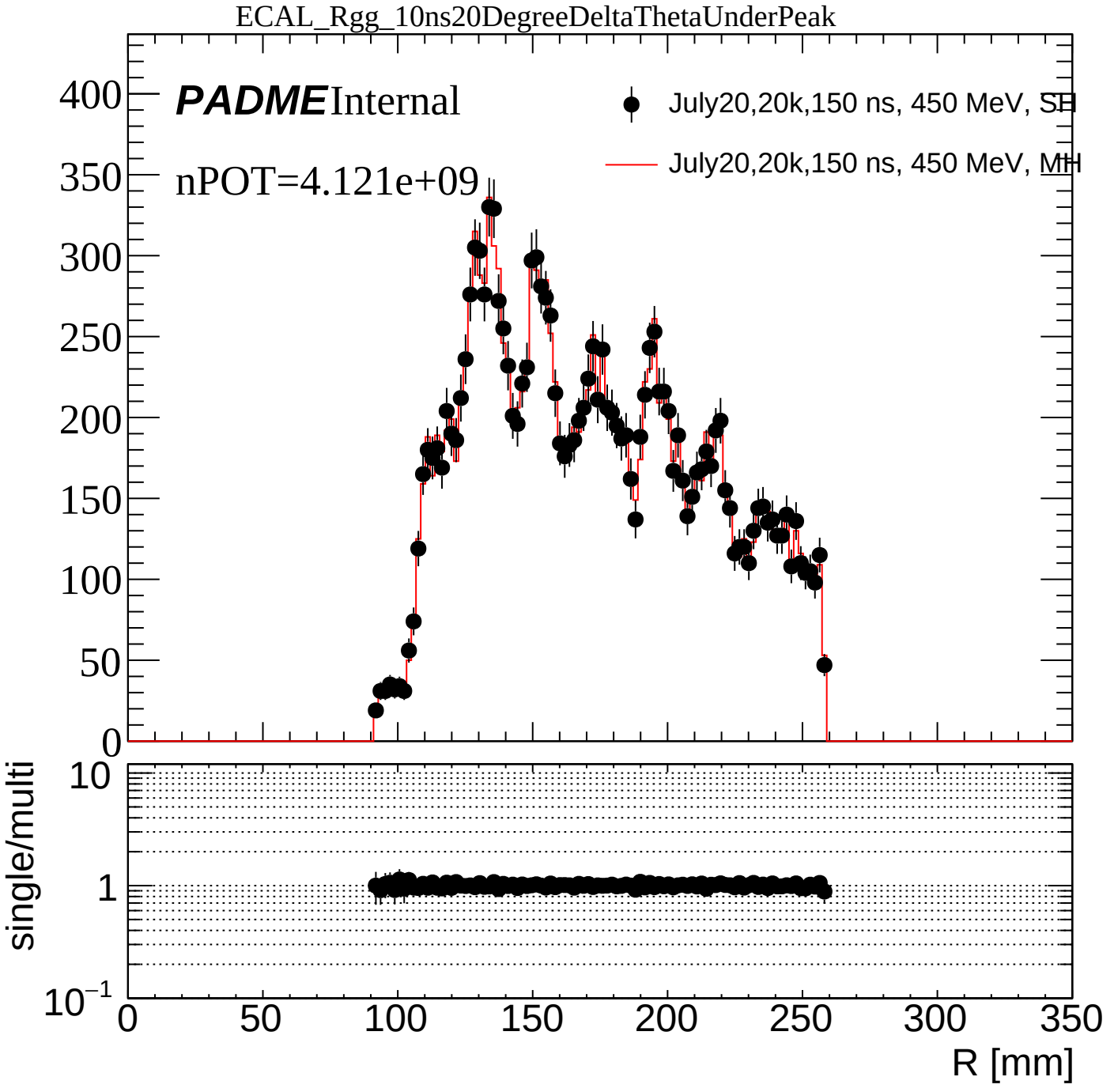

ECAL_Rgg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

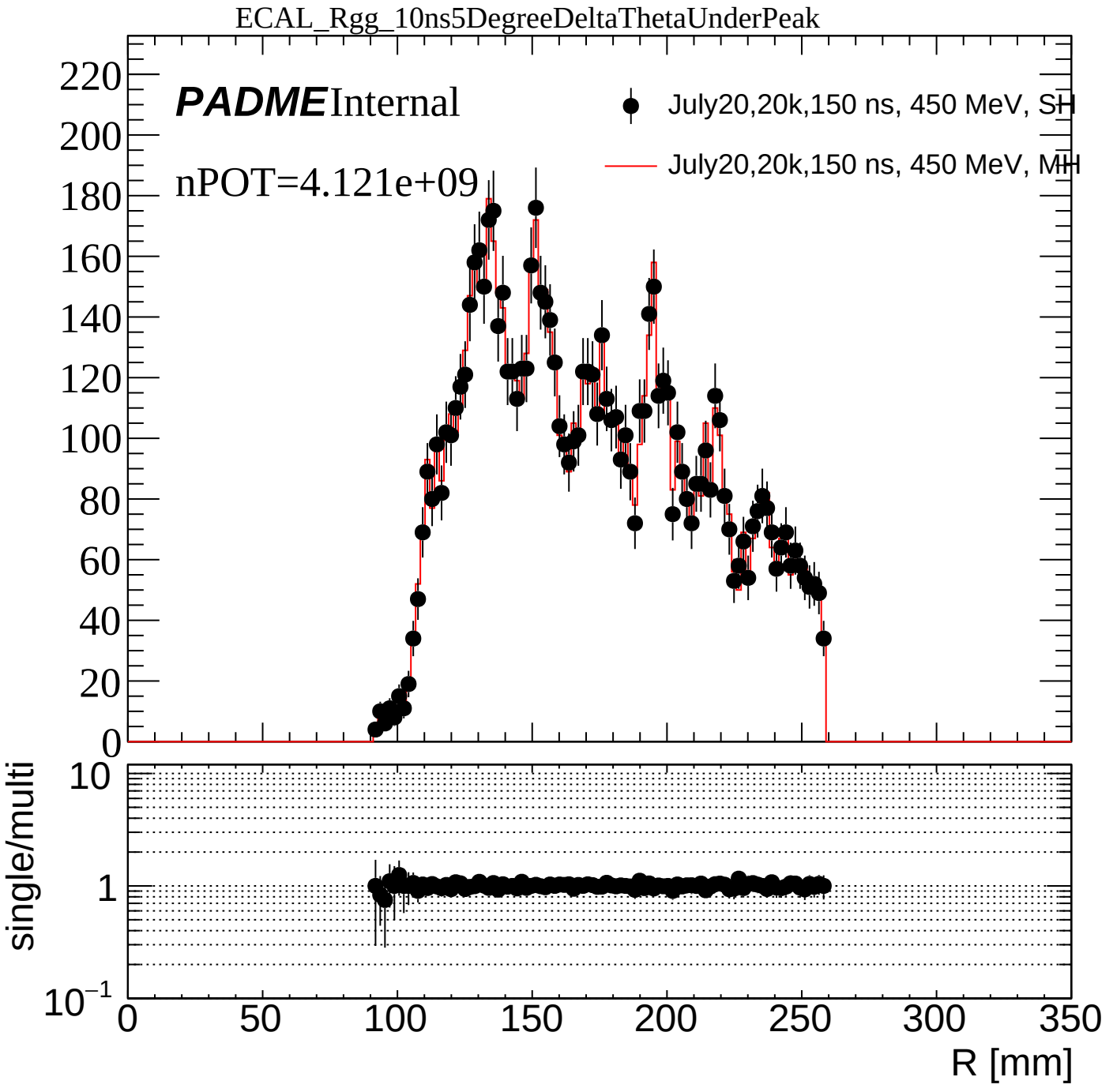

ECAL_Rgg_10ns5CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

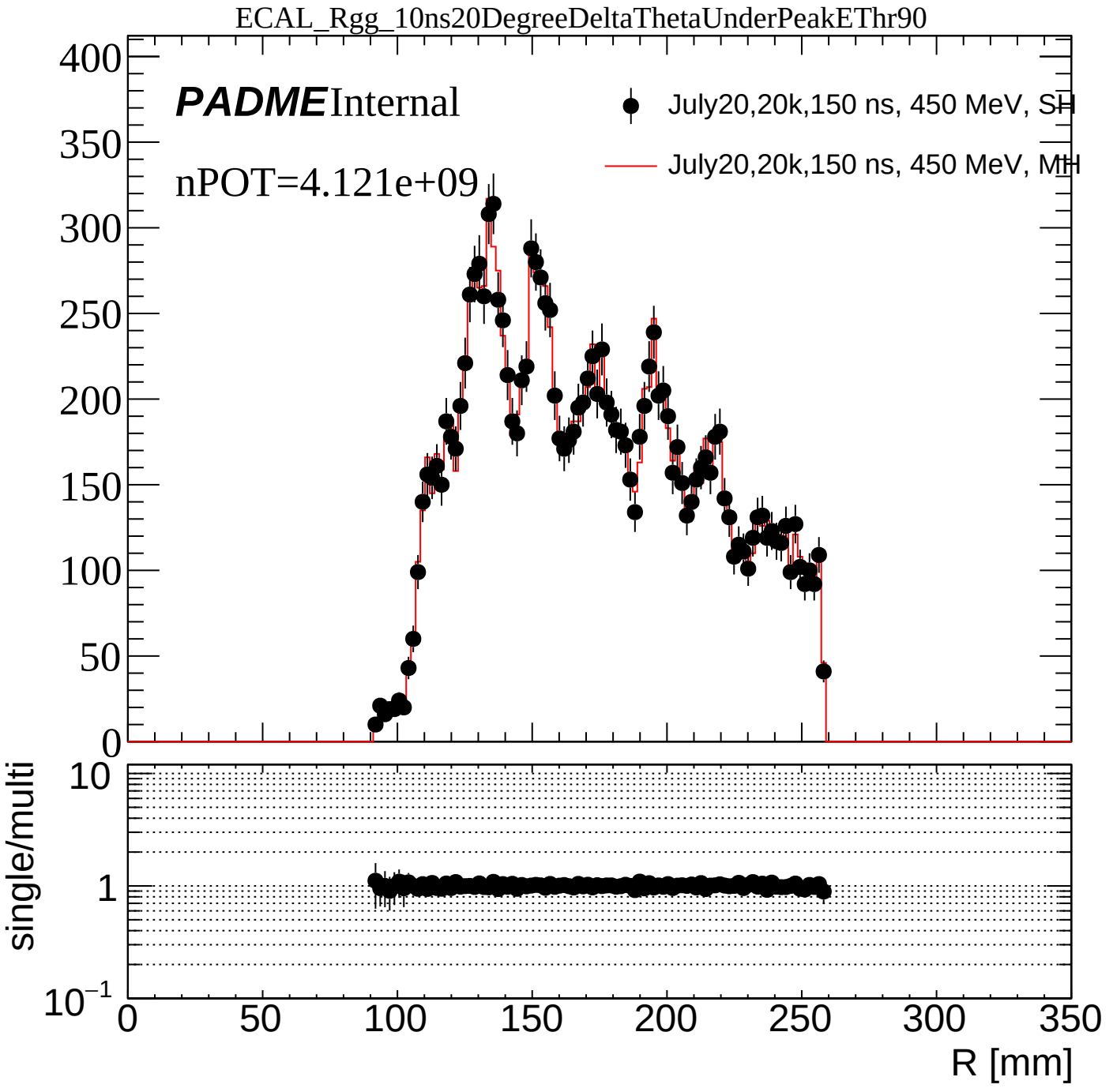

ECAL_Rgg_10ns5CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

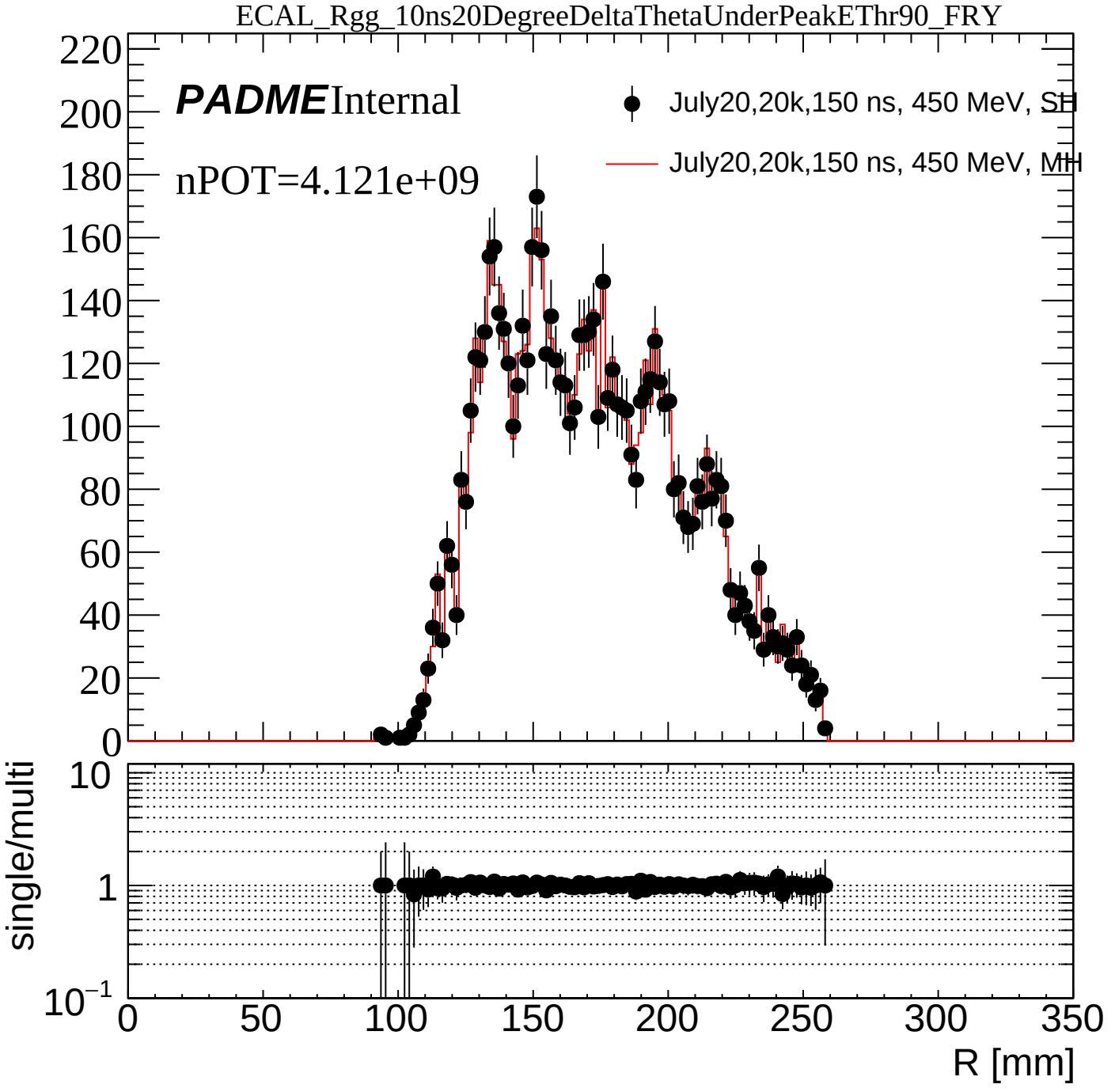

ECAL_Rgg_10nsUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

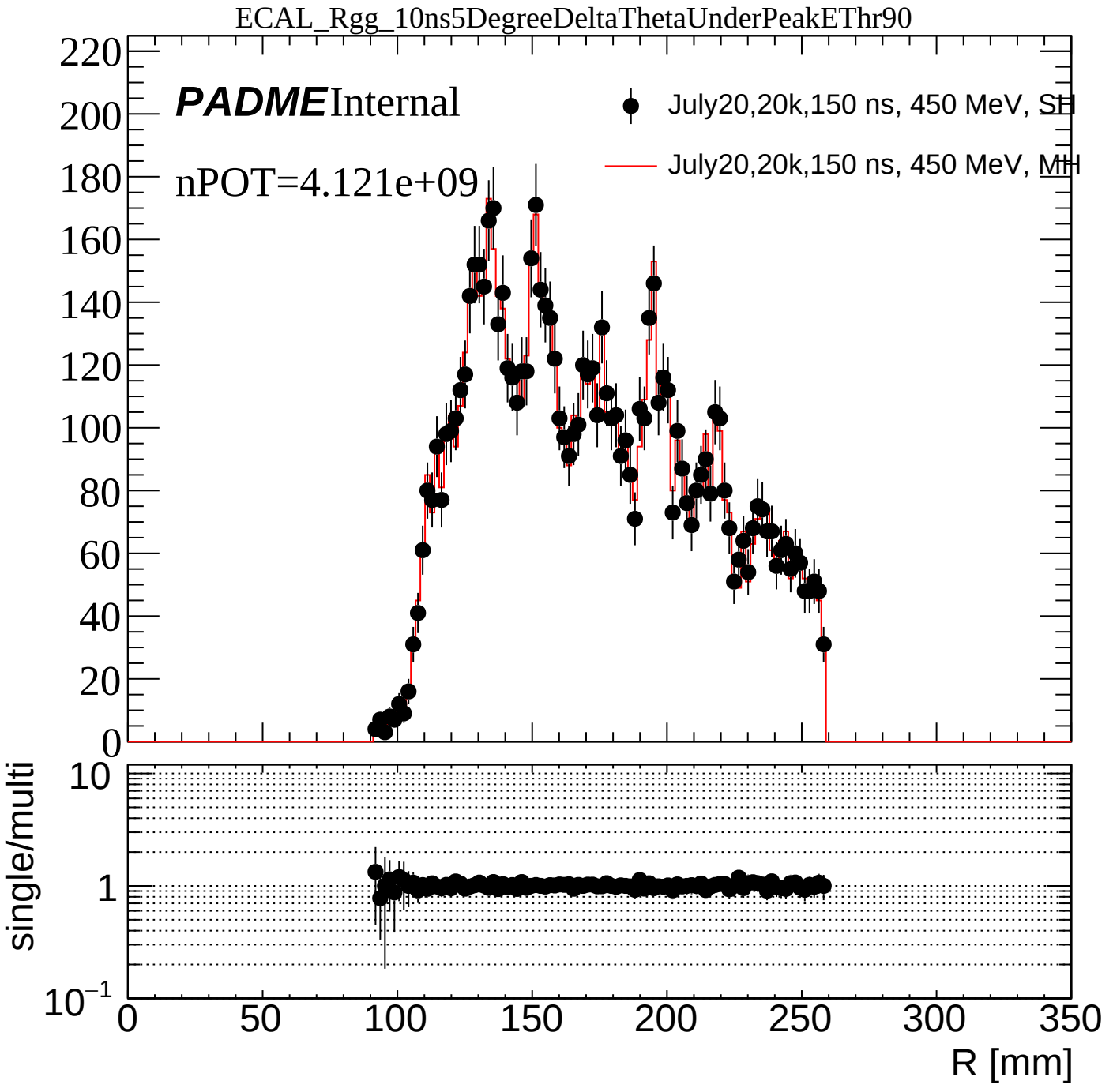

ECAL_Rgg_10ns20DegreeUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

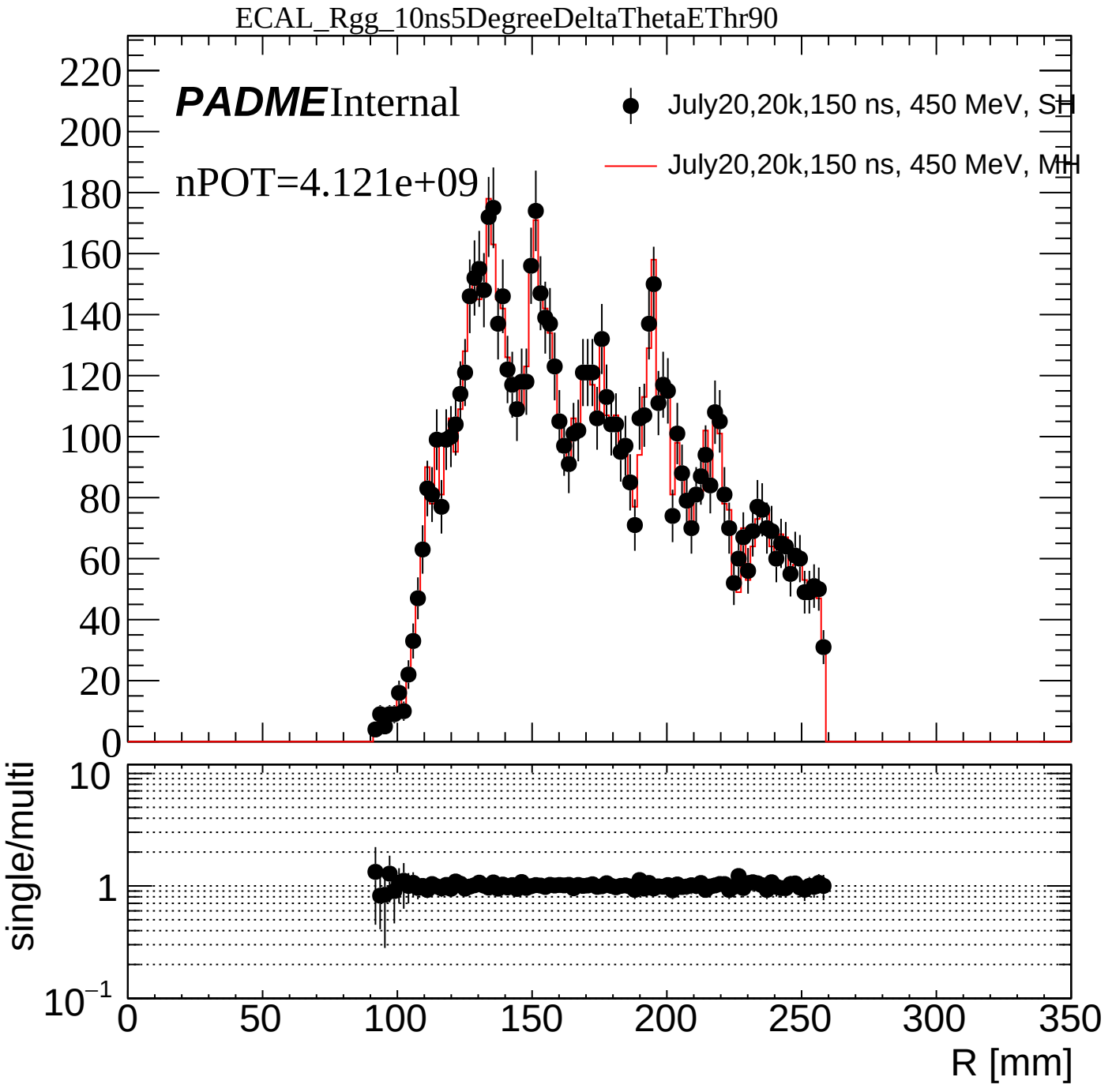

ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

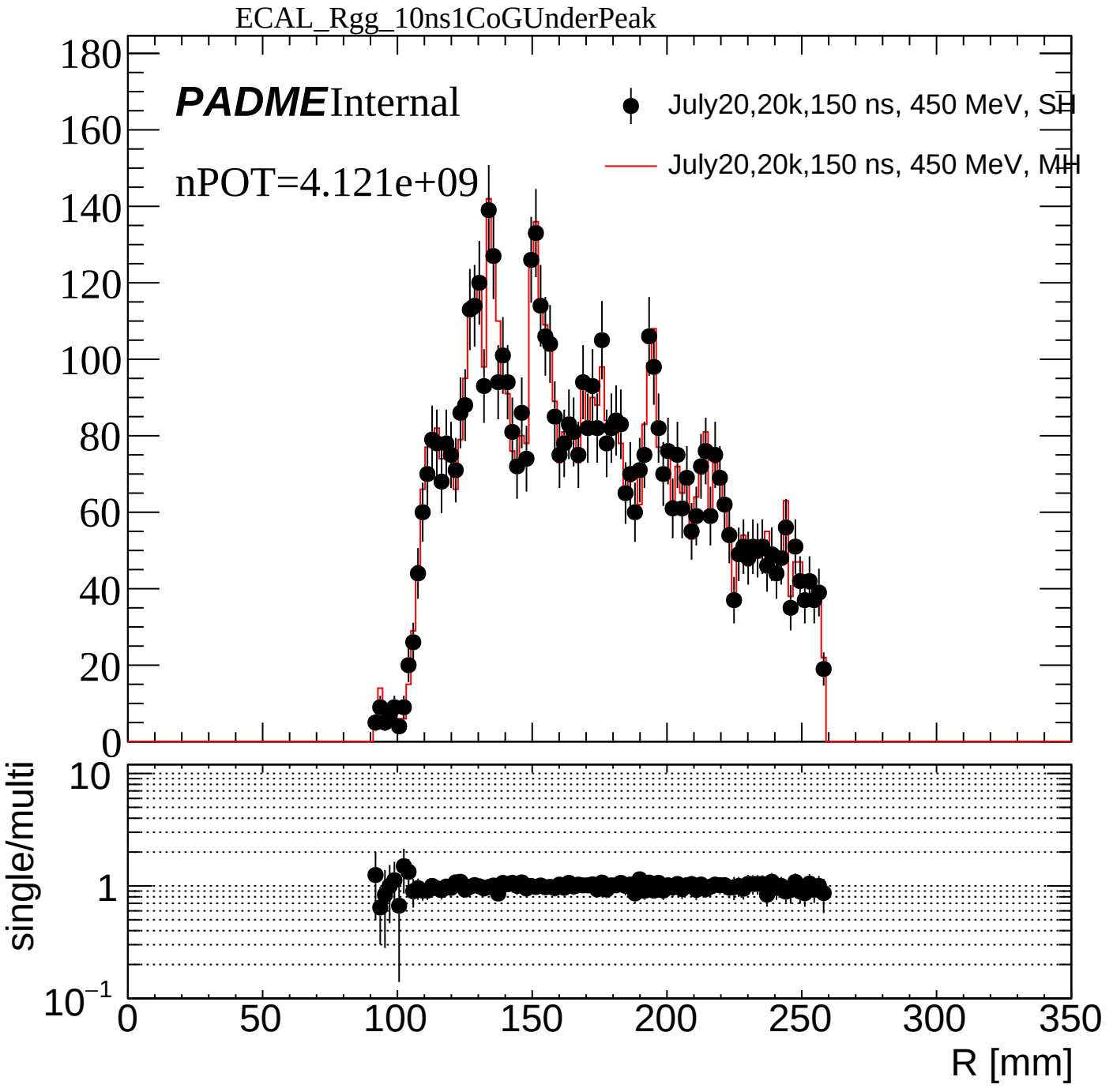

ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

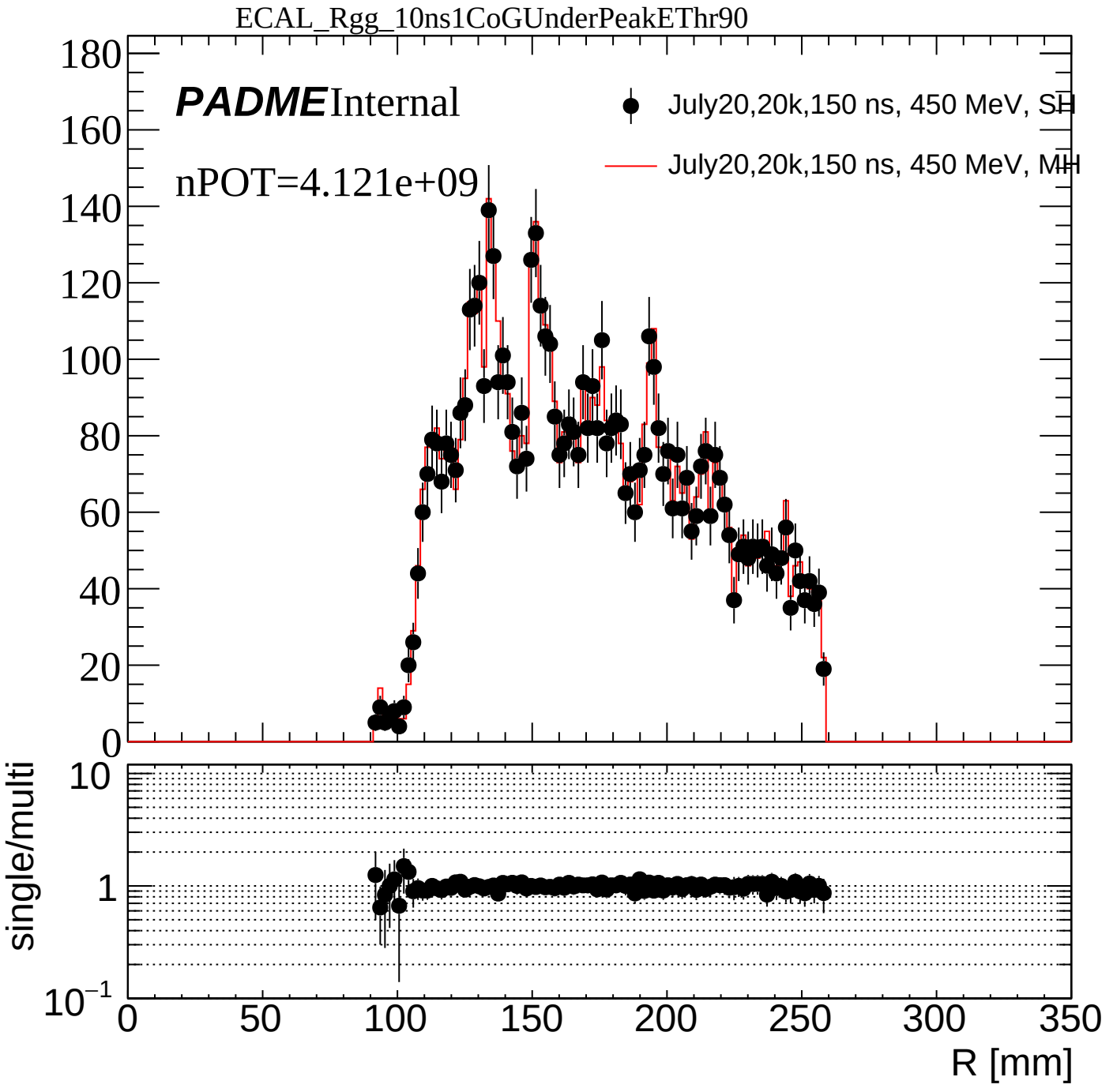

ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

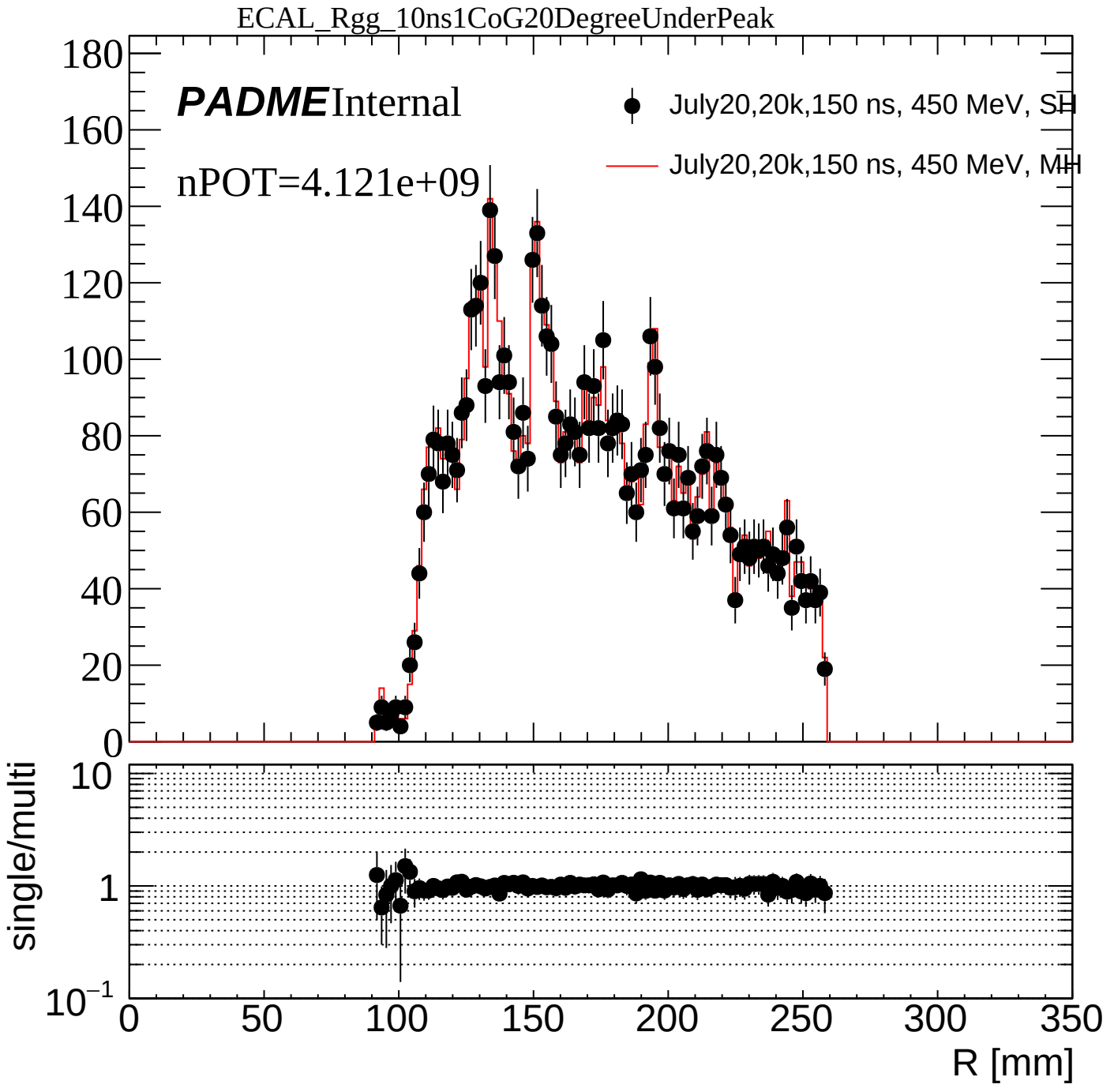

ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

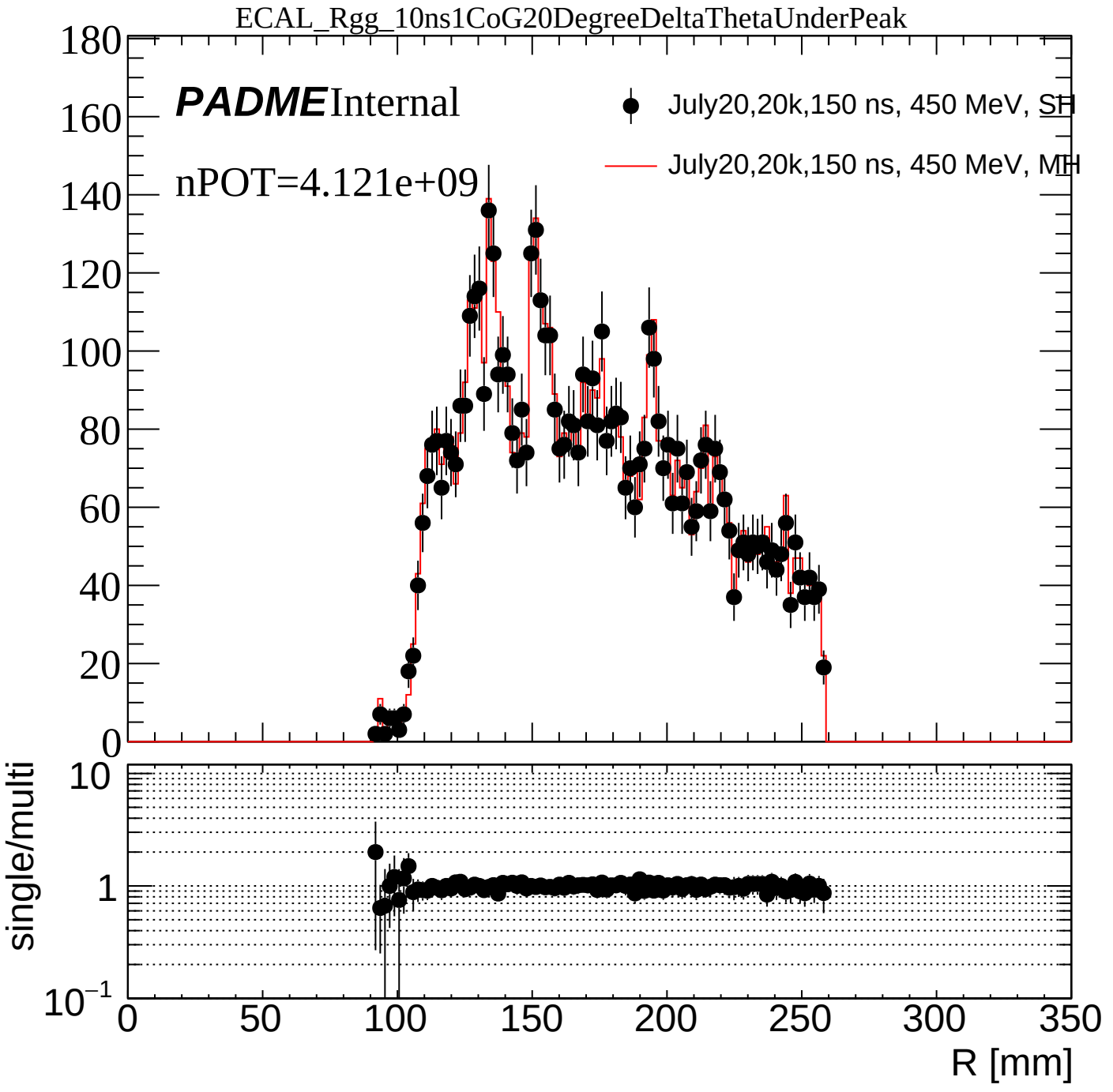

ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

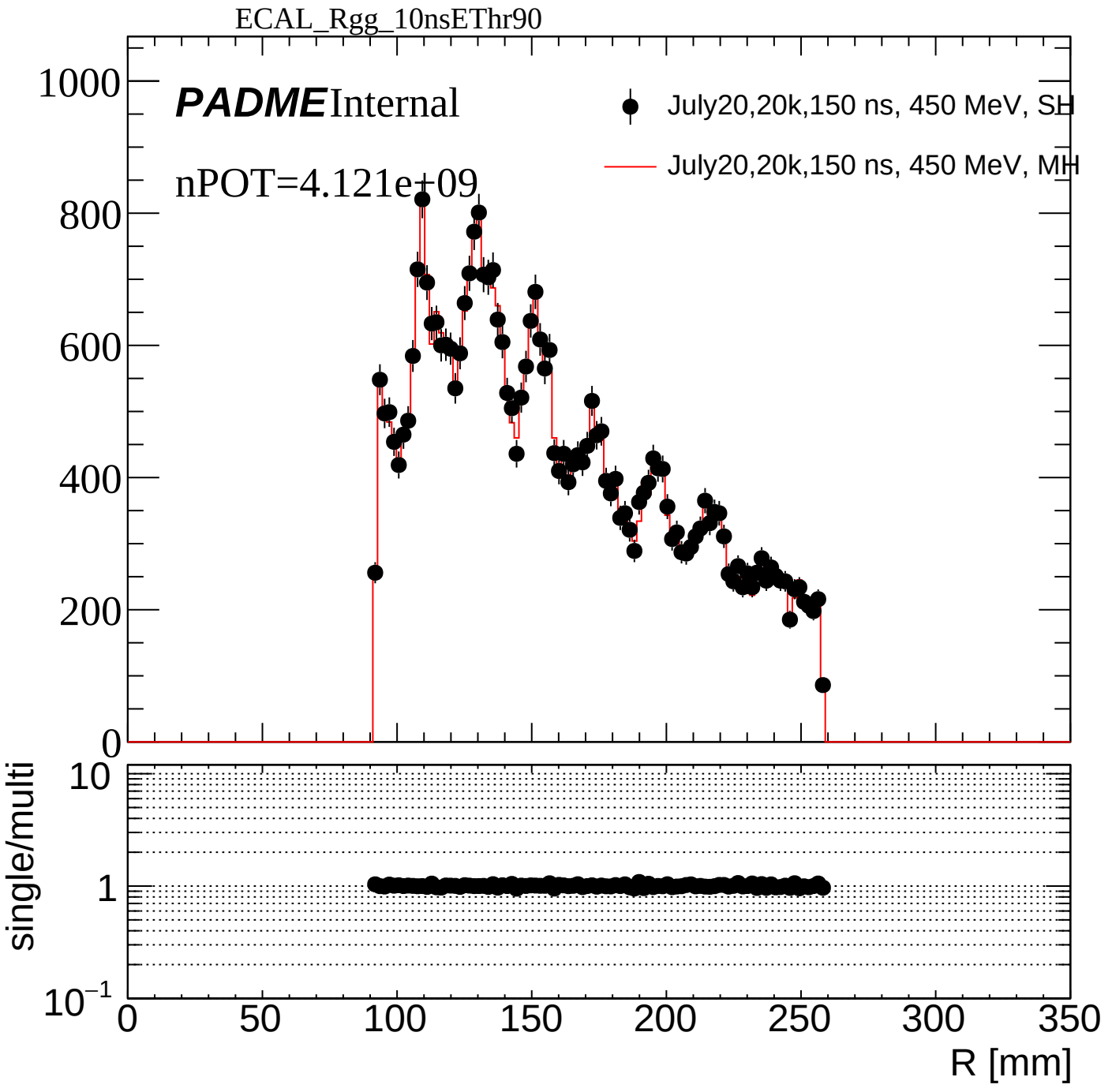

ECAL_Rgg_10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

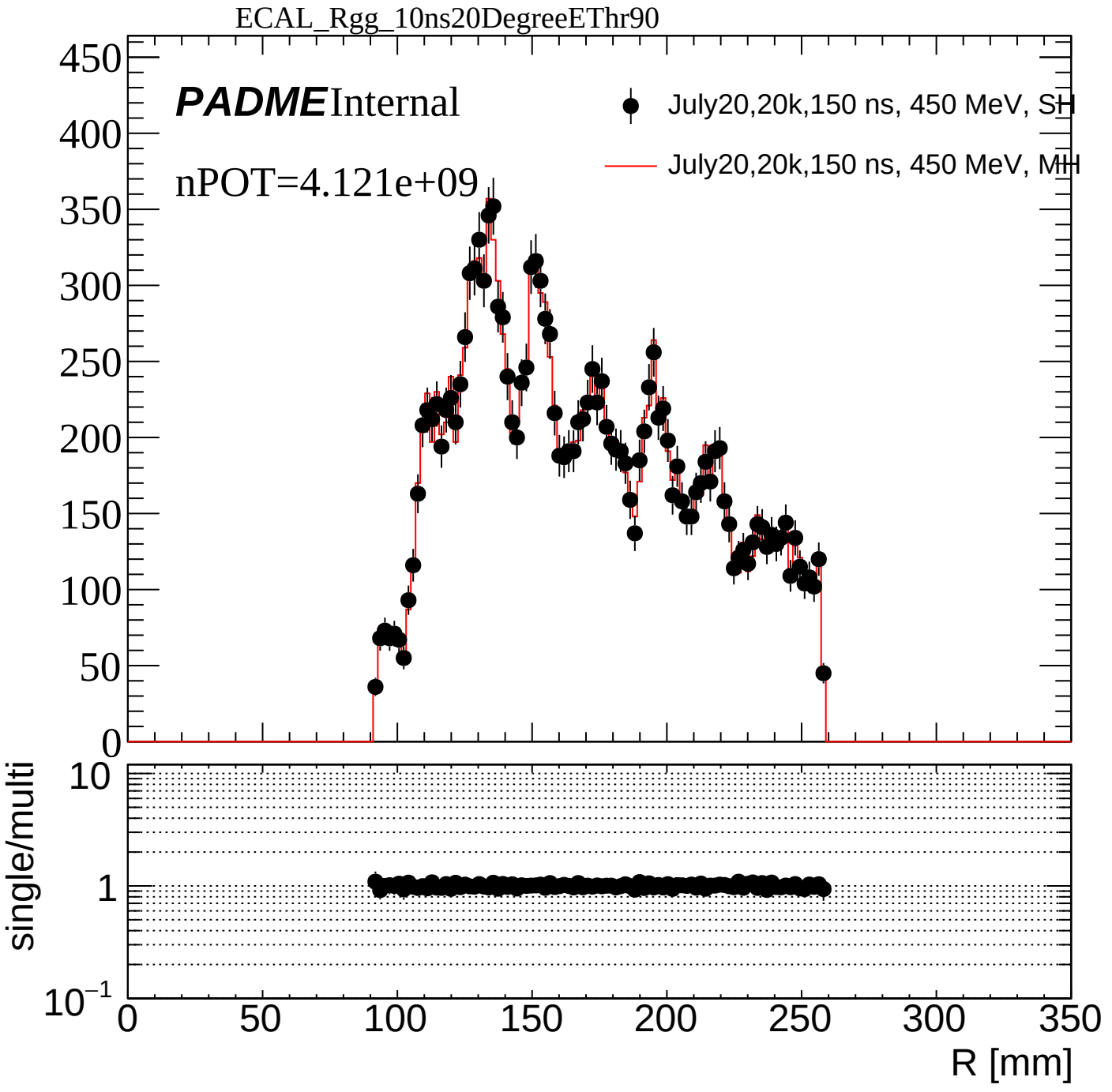

ECAL_Rgg_10ns1CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

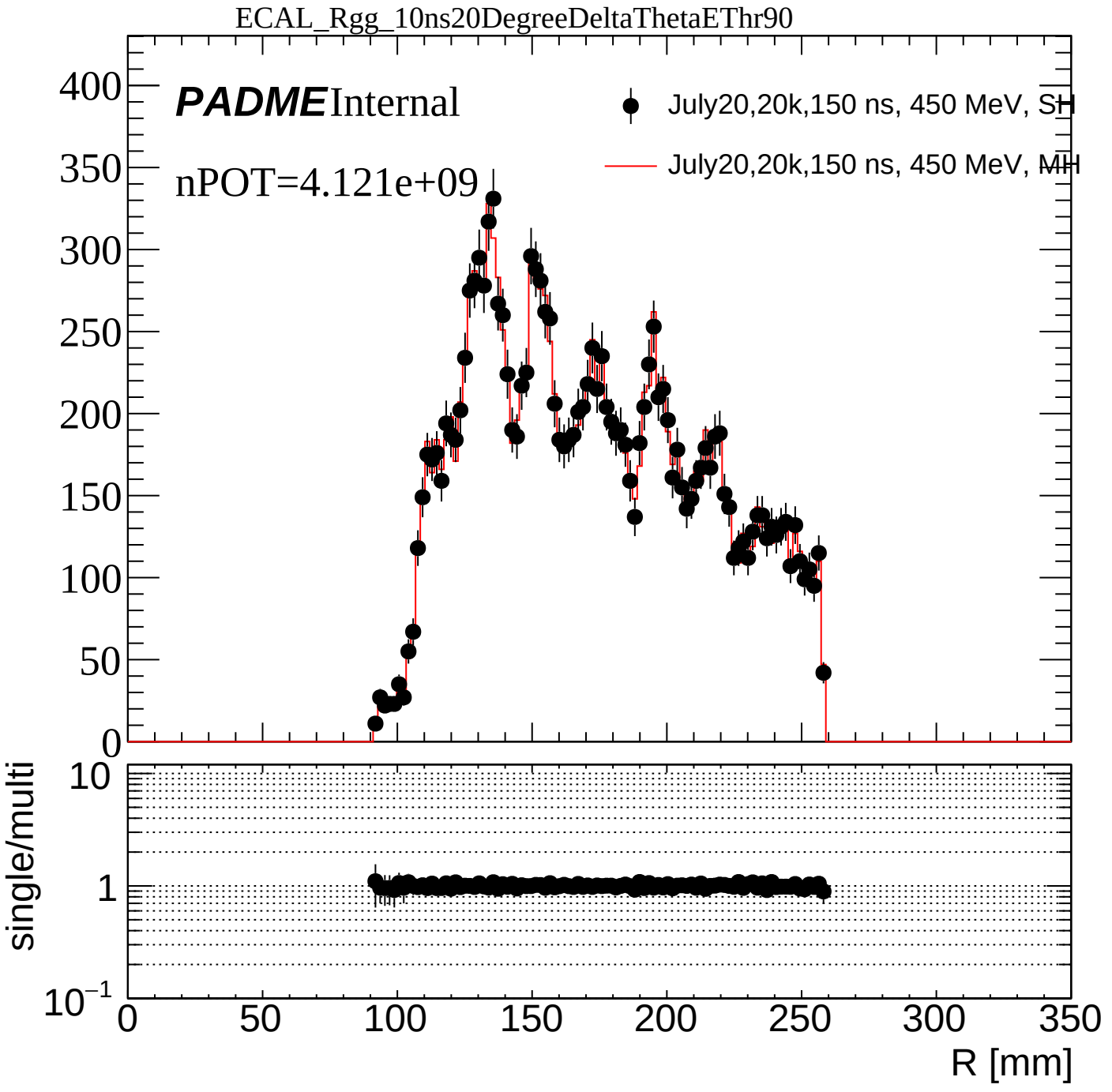

ECAL_Rgg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

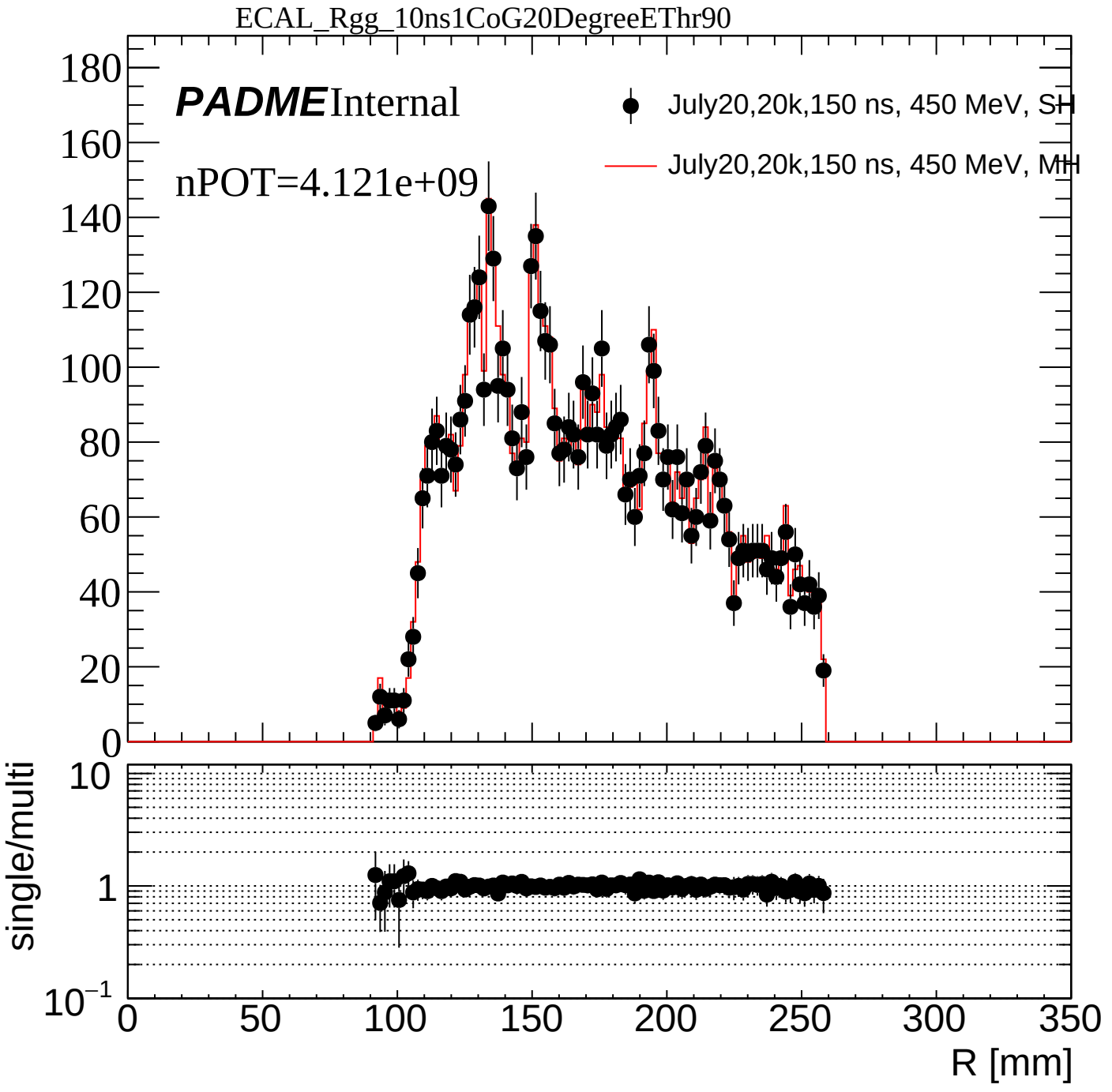

ECAL_Rgg_10ns1CoG20DegreeUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

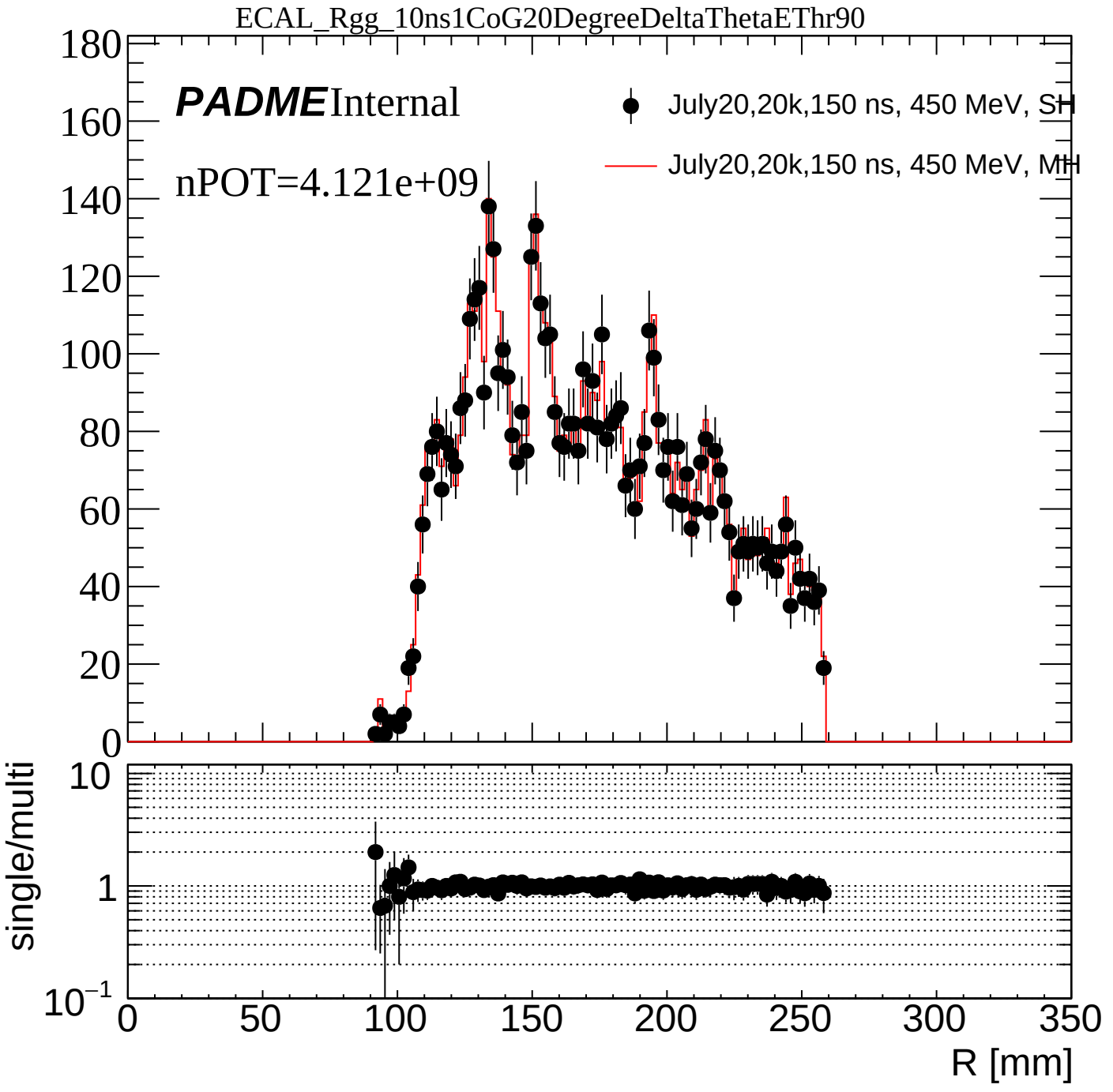

ECAL_Rgg_10ns1CoG20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

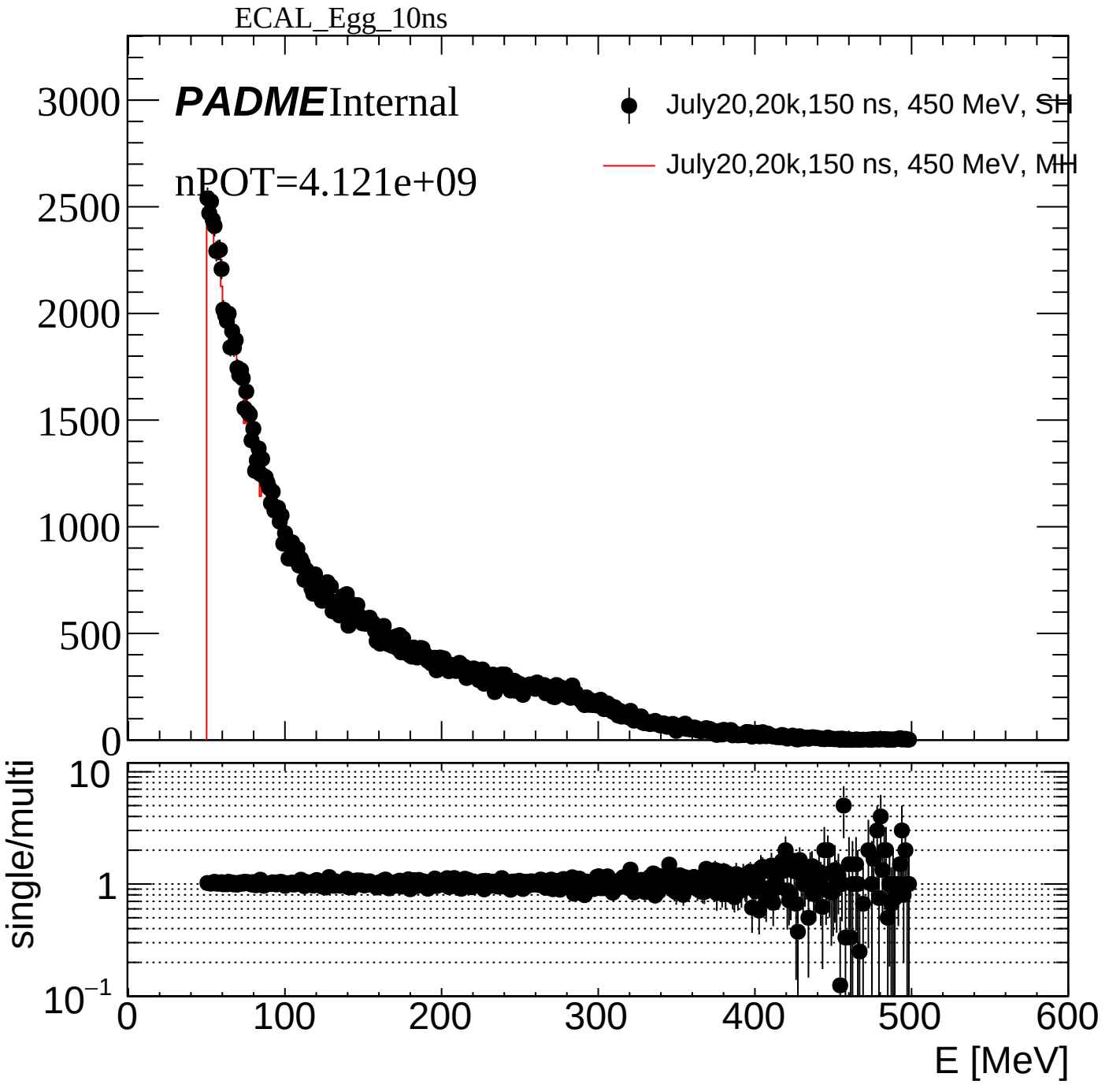

ECAL_Rgg_10nsEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

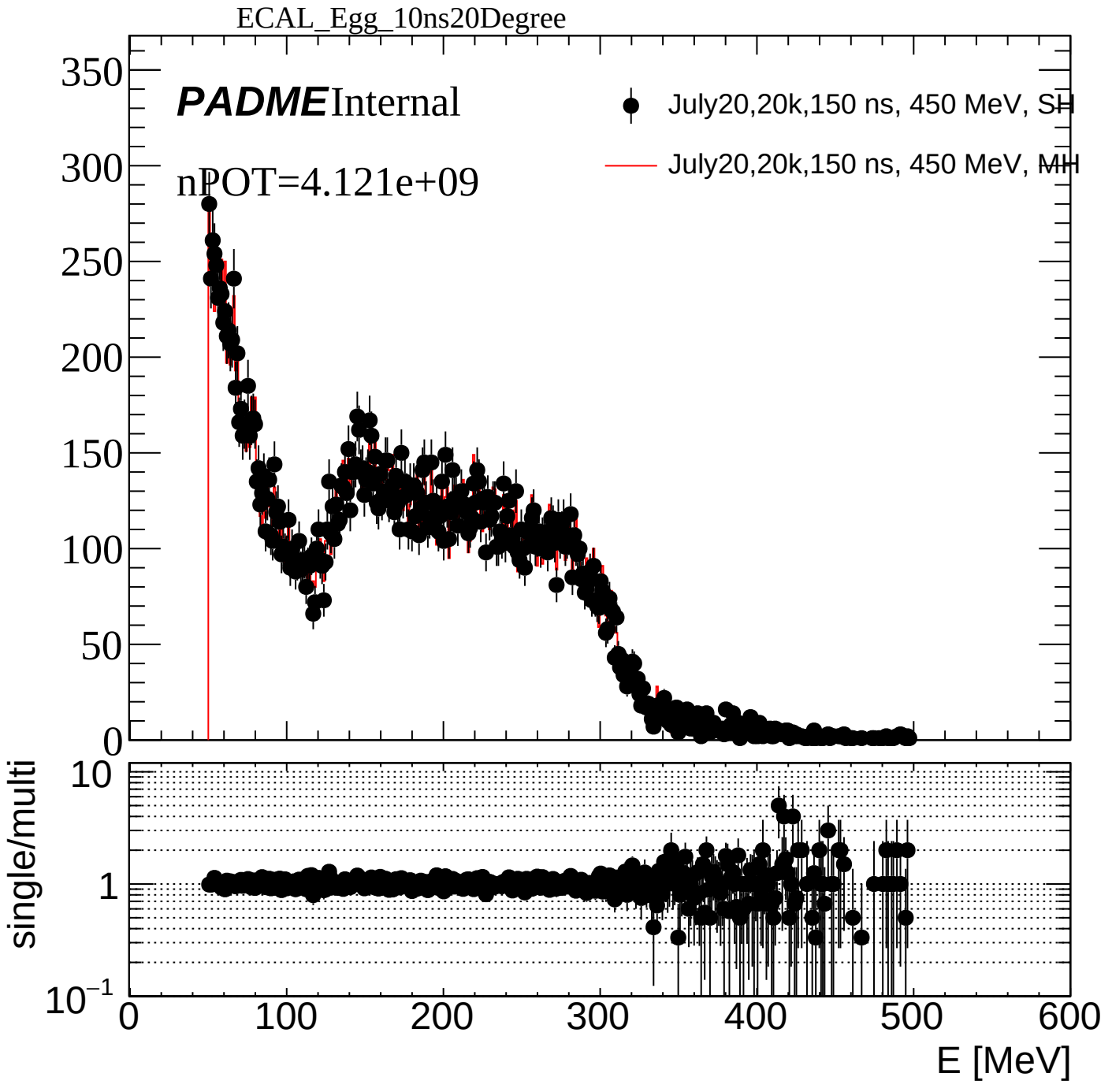

ECAL_Rgg_10ns20DegreeEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

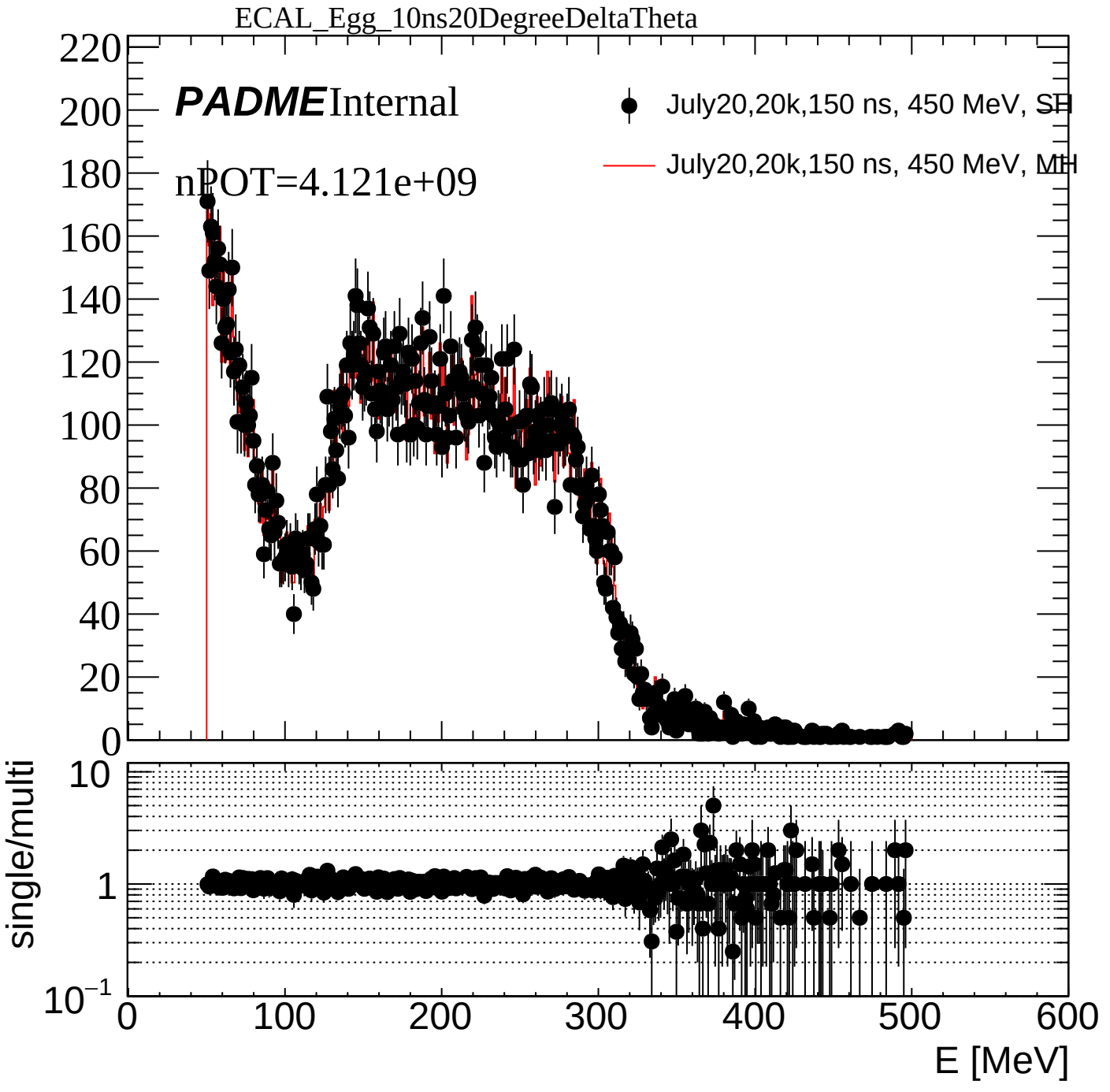

ECAL_Rgg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
50
100
150
200
250
300
350
R [mm]

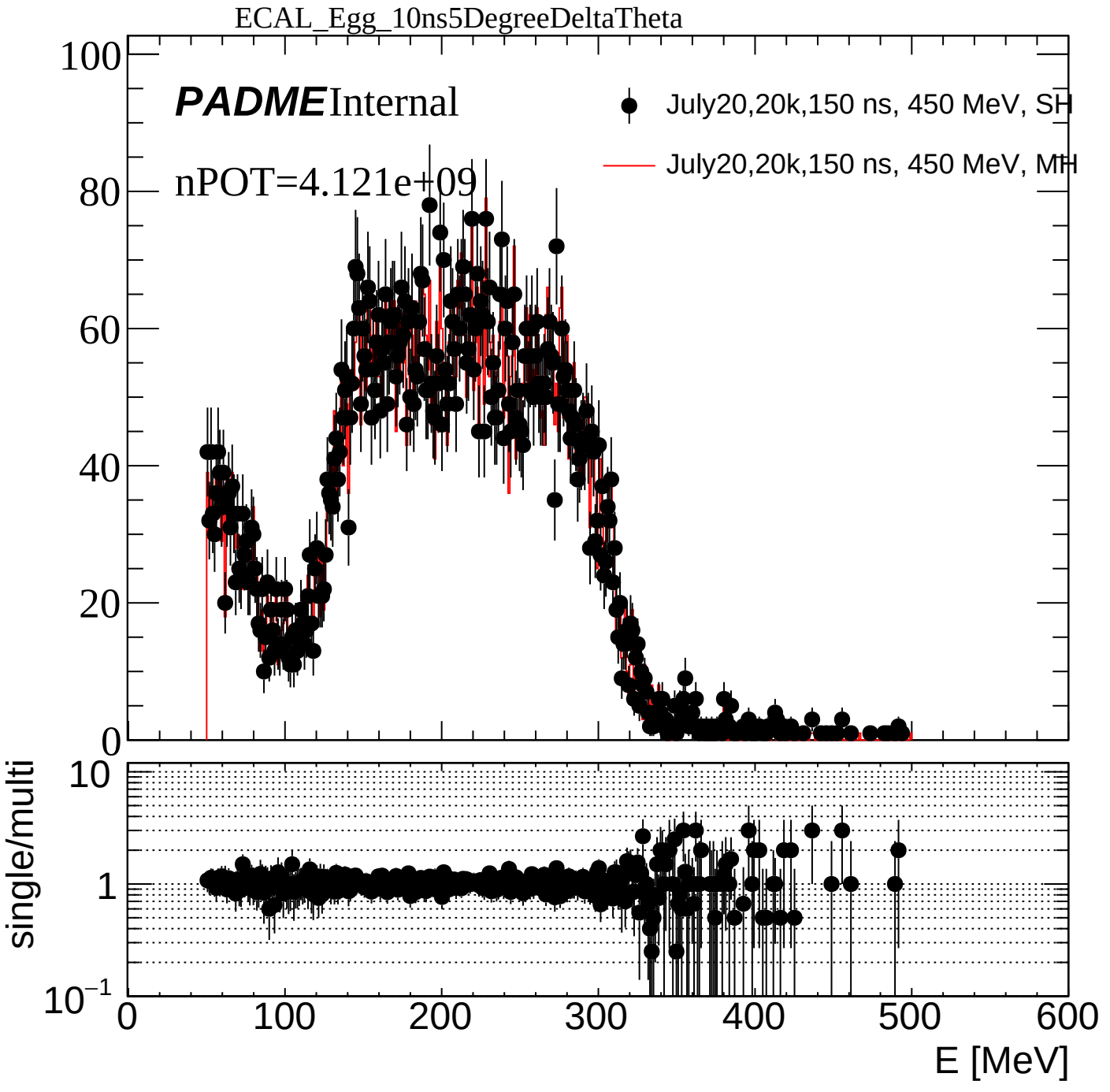

ECAL_Rgg_10ns1CoG20DegreeEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

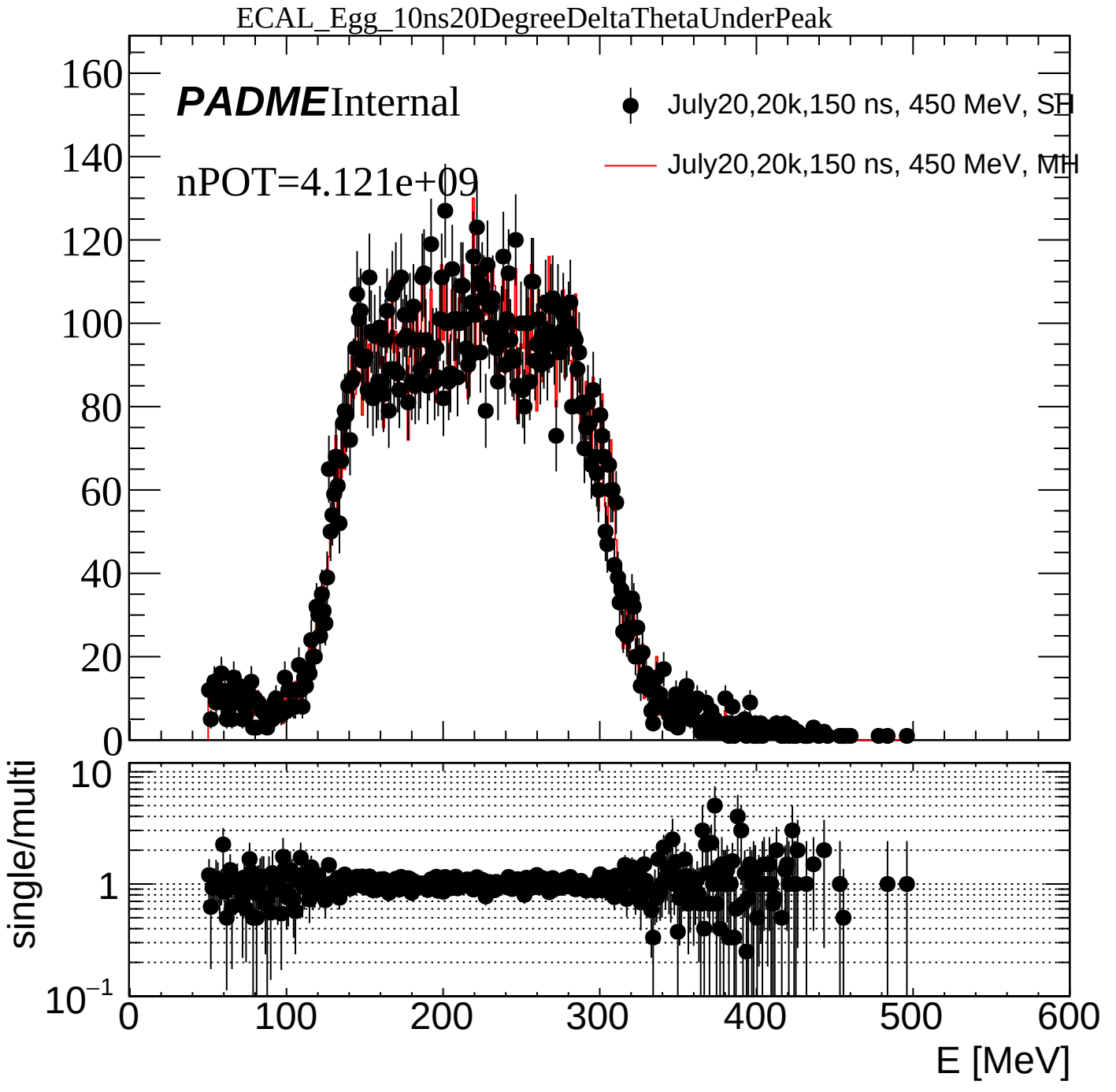

ECAL_Rgg_10ns1CoG20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
R [mm]

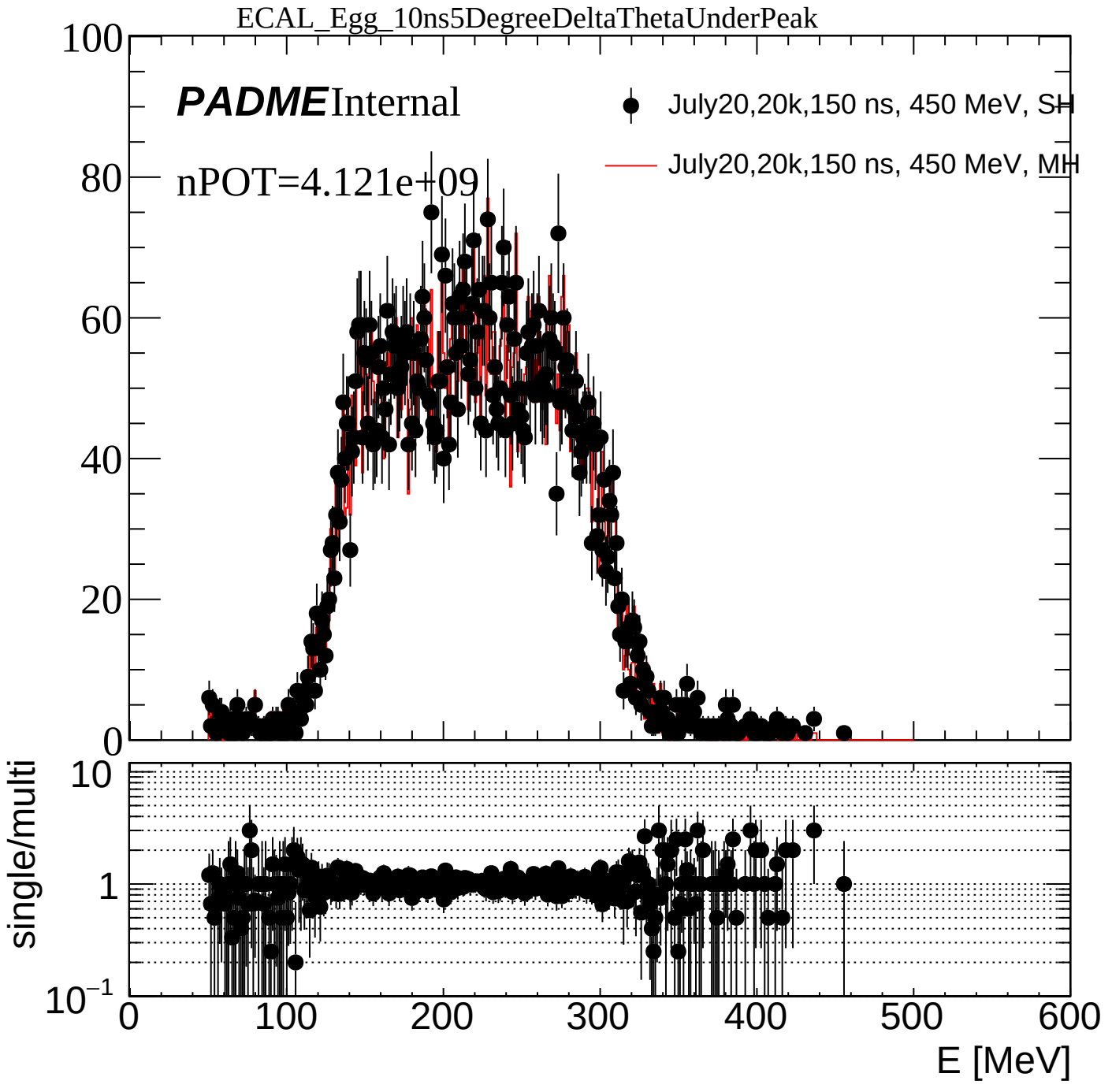

ECAL_Egg_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

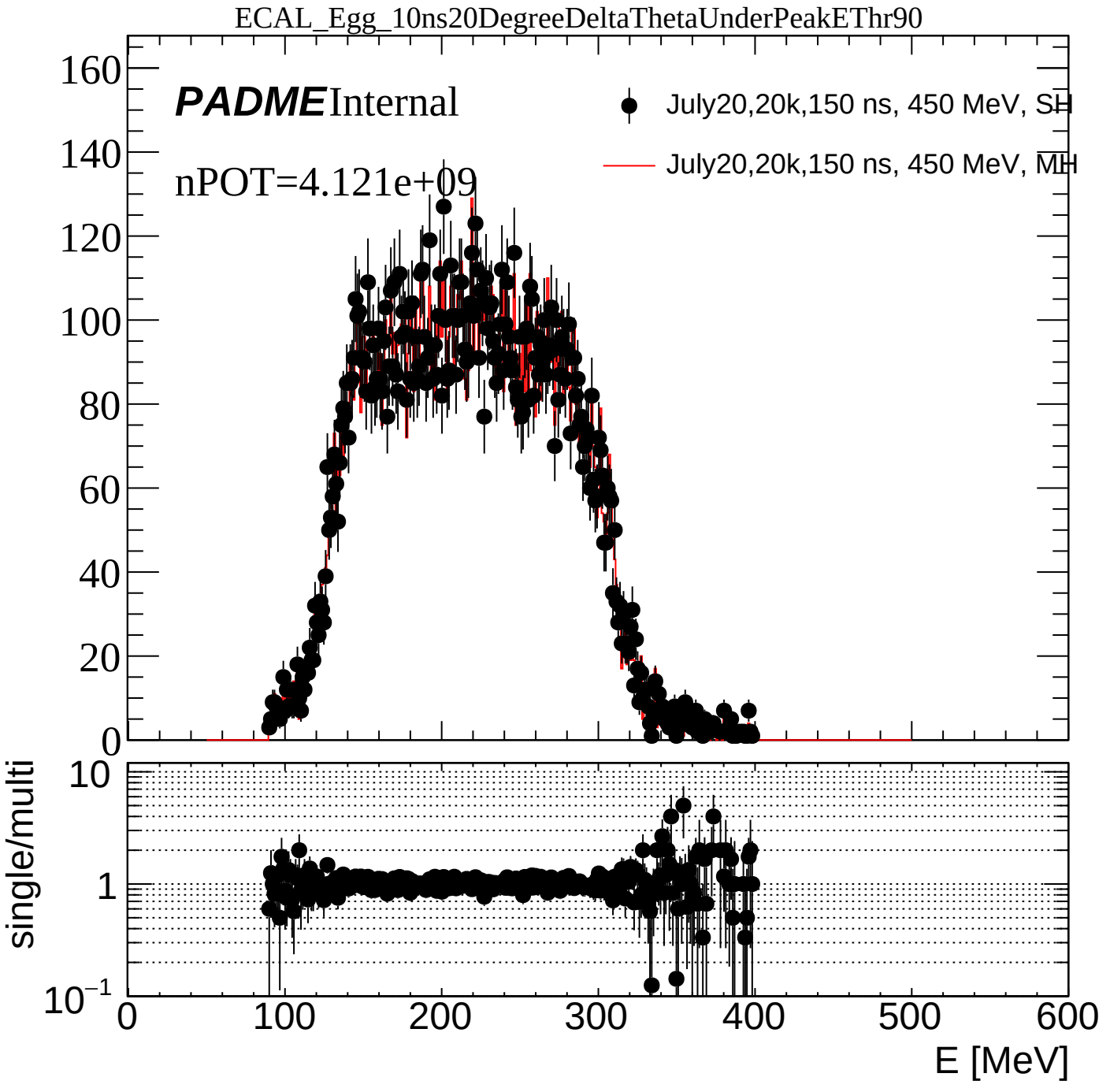

ECAL_Egg_10ns20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

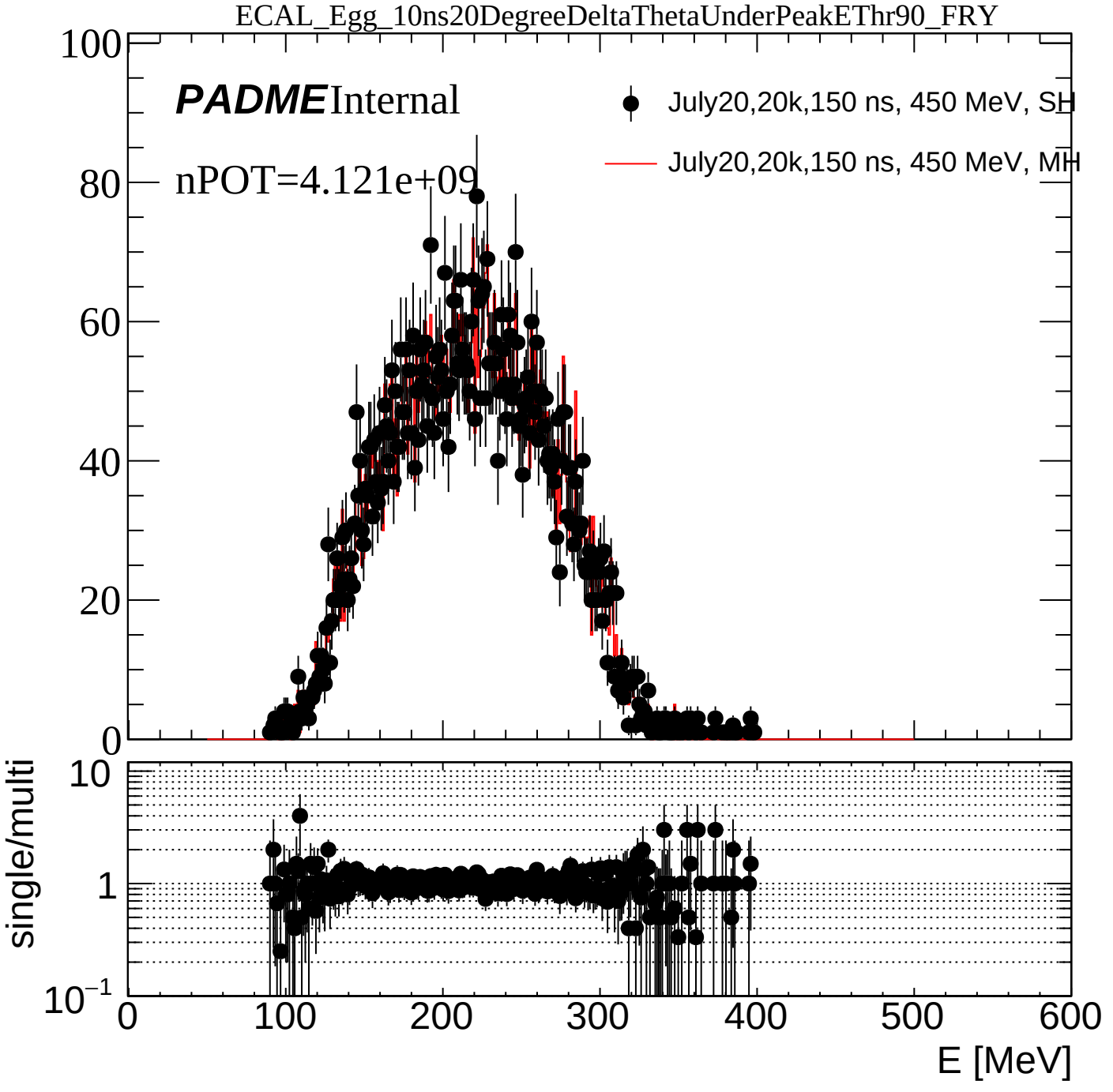

ECAL_Egg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

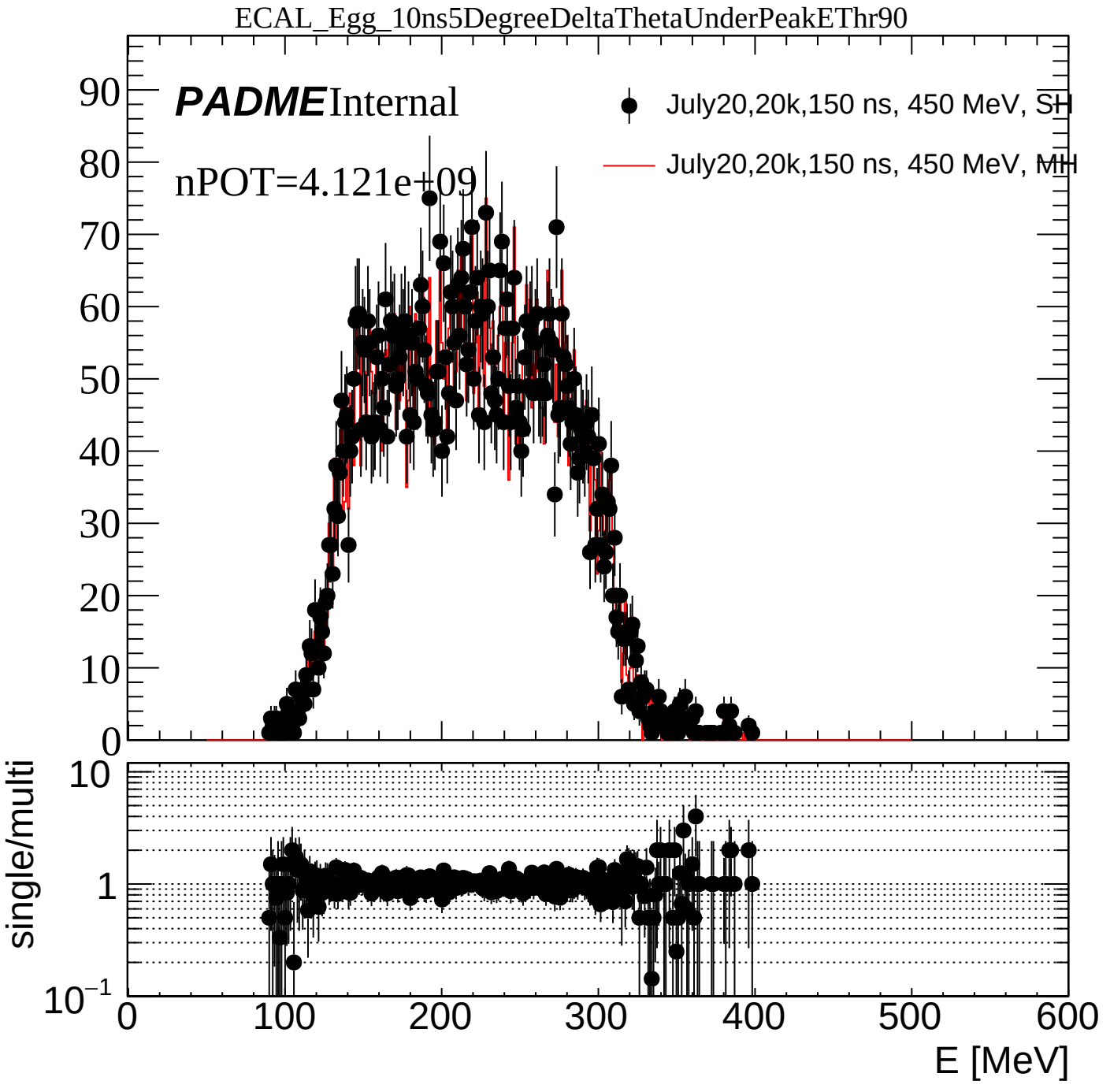

ECAL_Egg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

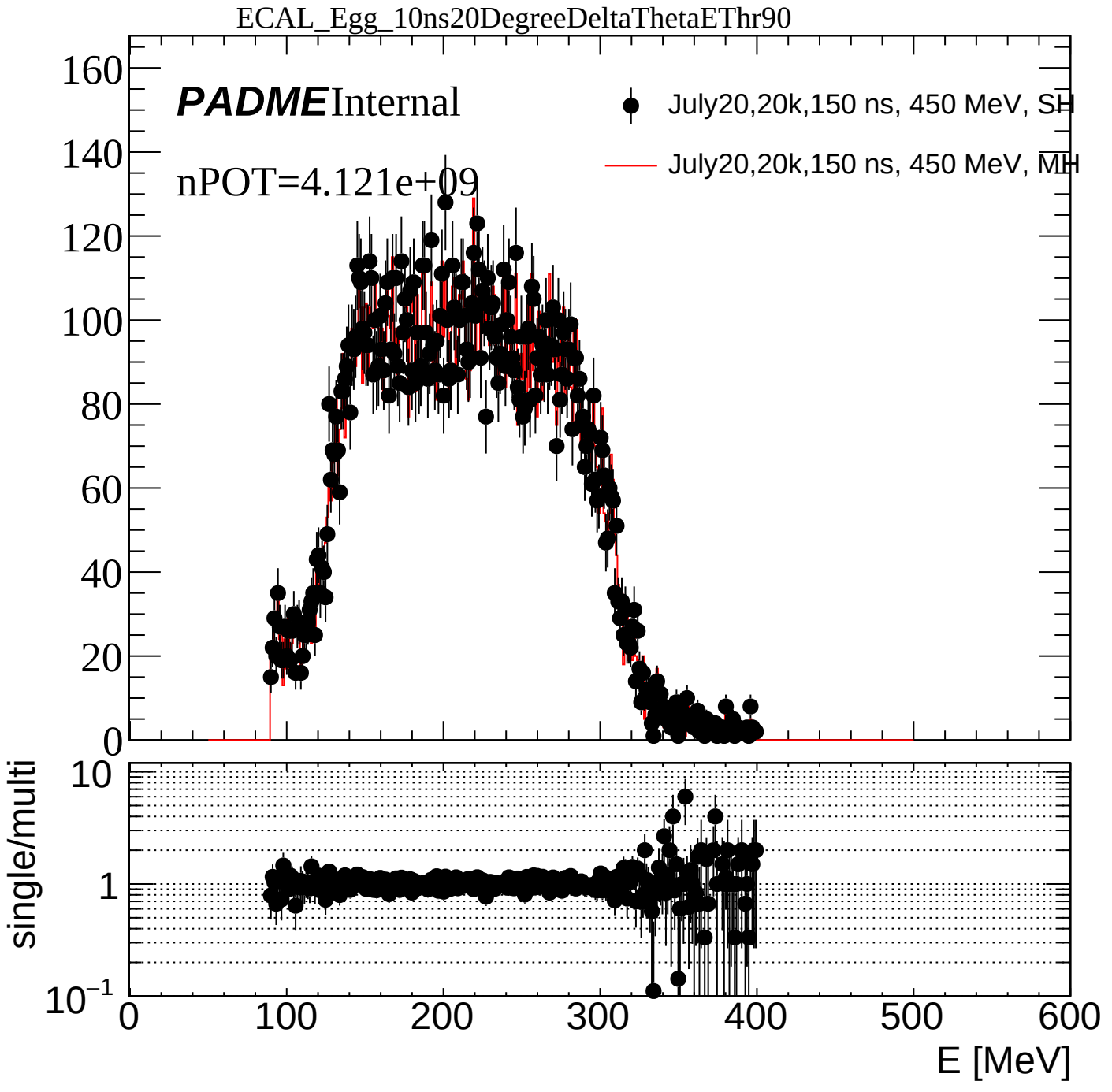

ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

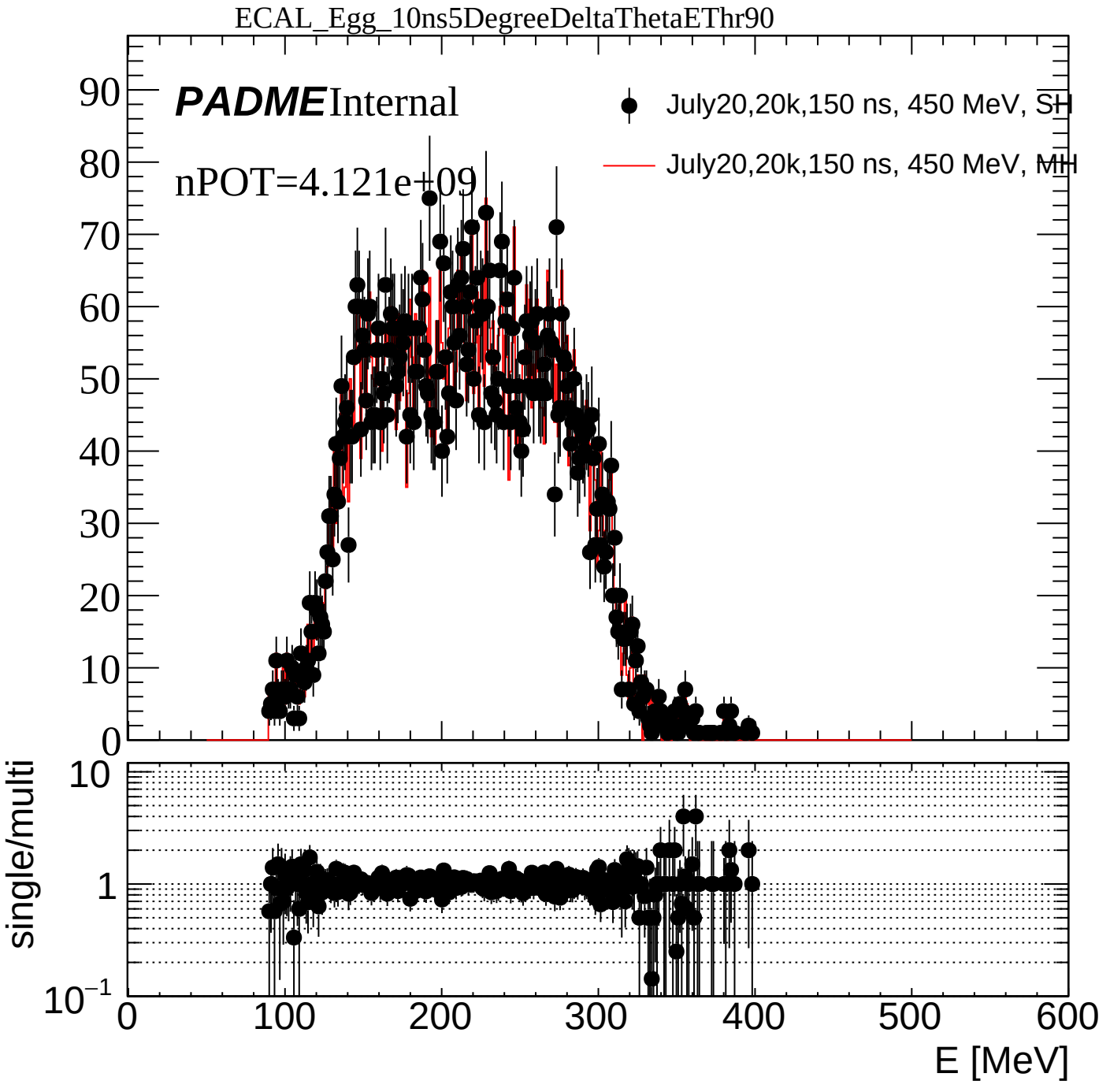

ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

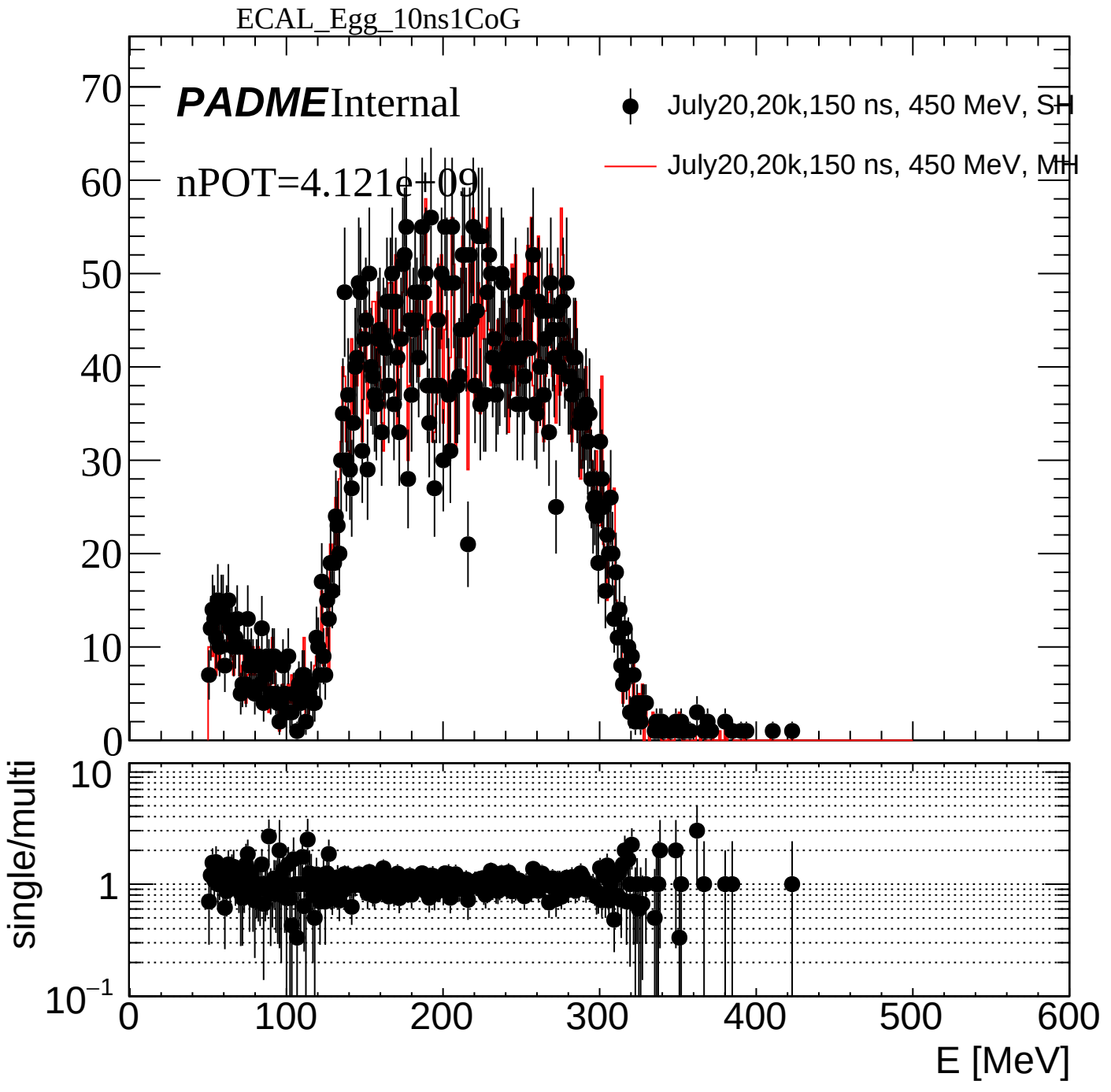

ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

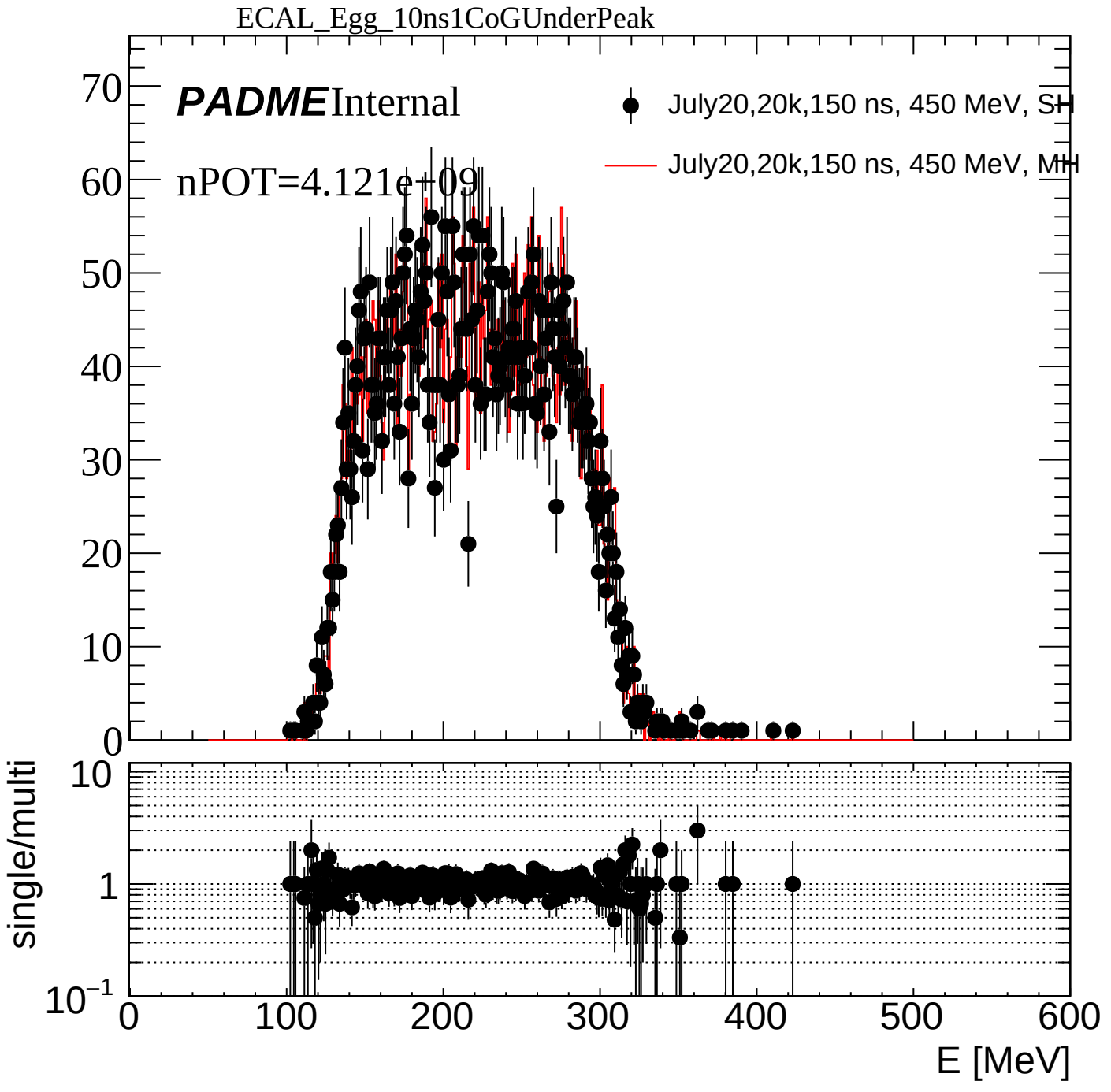

ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
E [MeV]

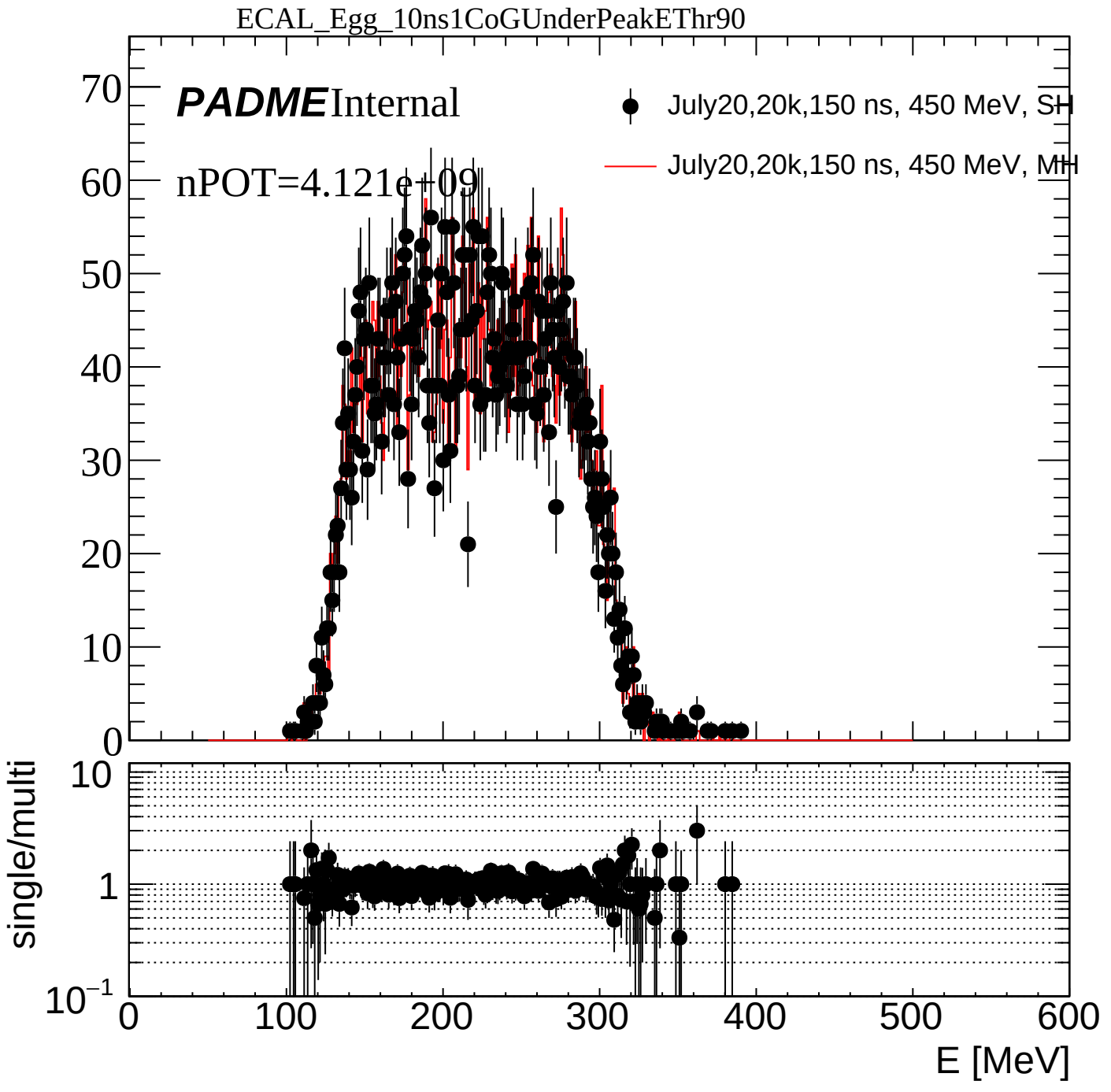

ECAL_Egg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
E [MeV]

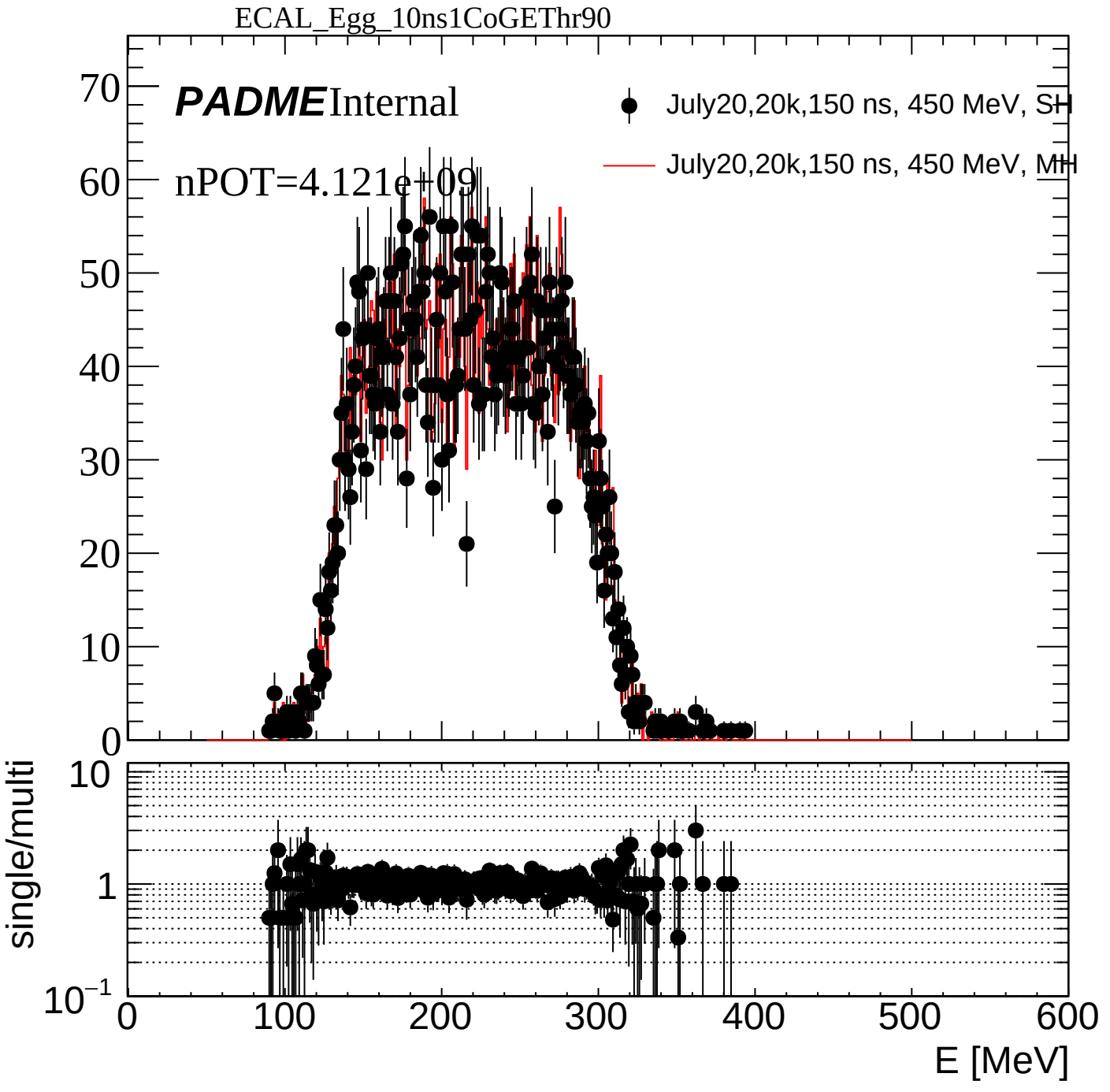

ECAL_Egg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

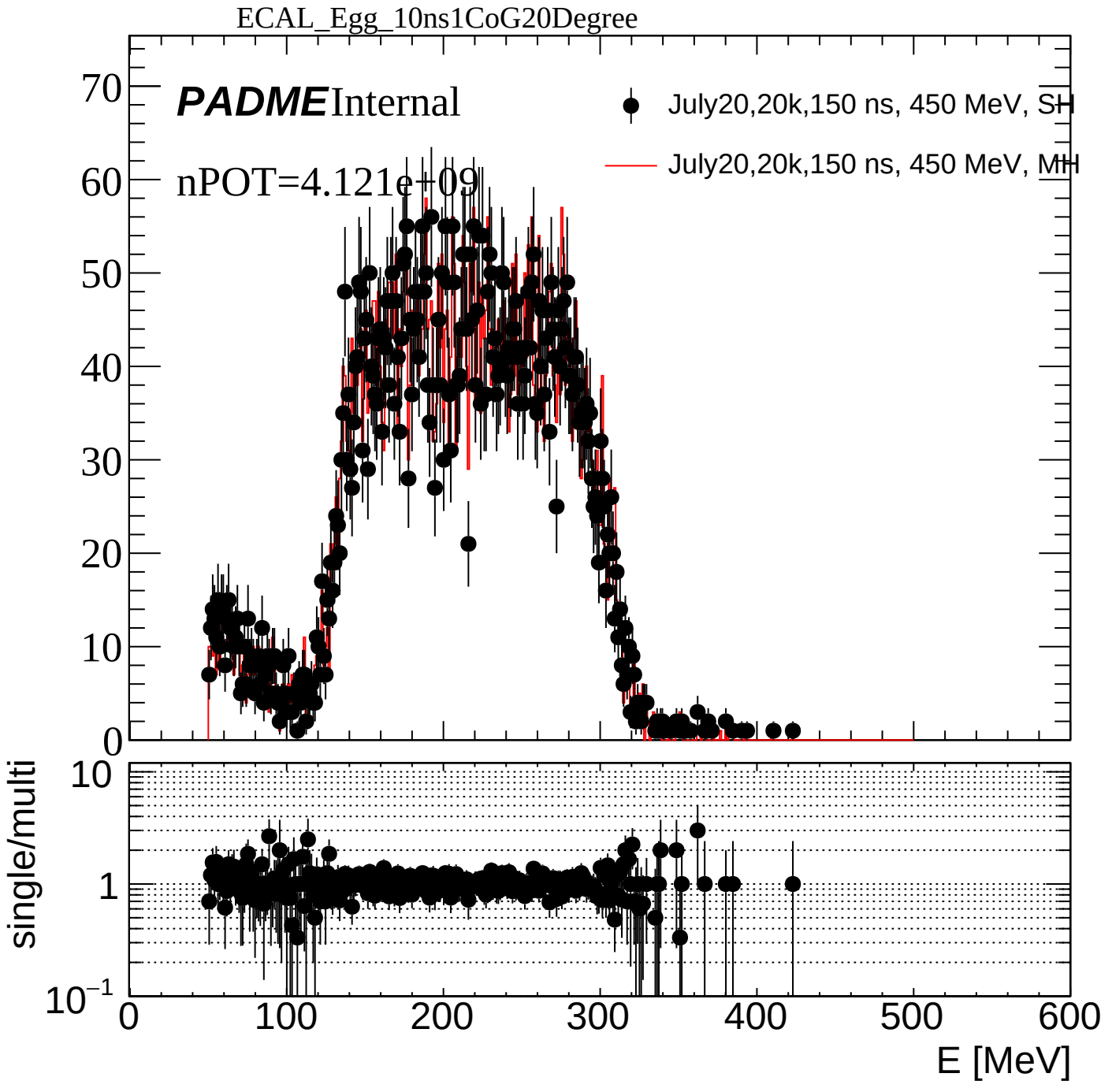

ECAL_Egg_10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
single/multi
E [MeV]

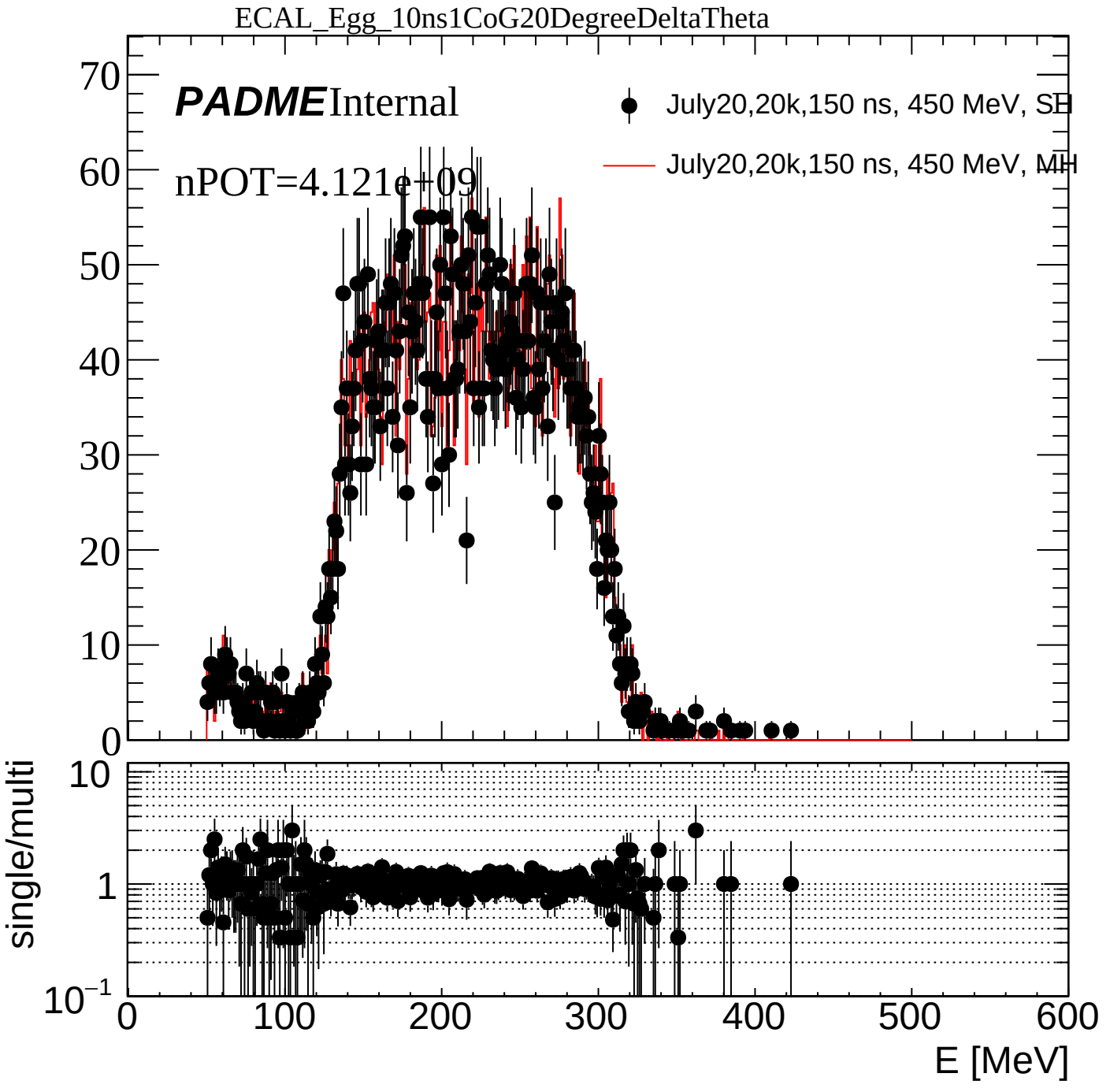

ECAL_Egg_10ns1CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

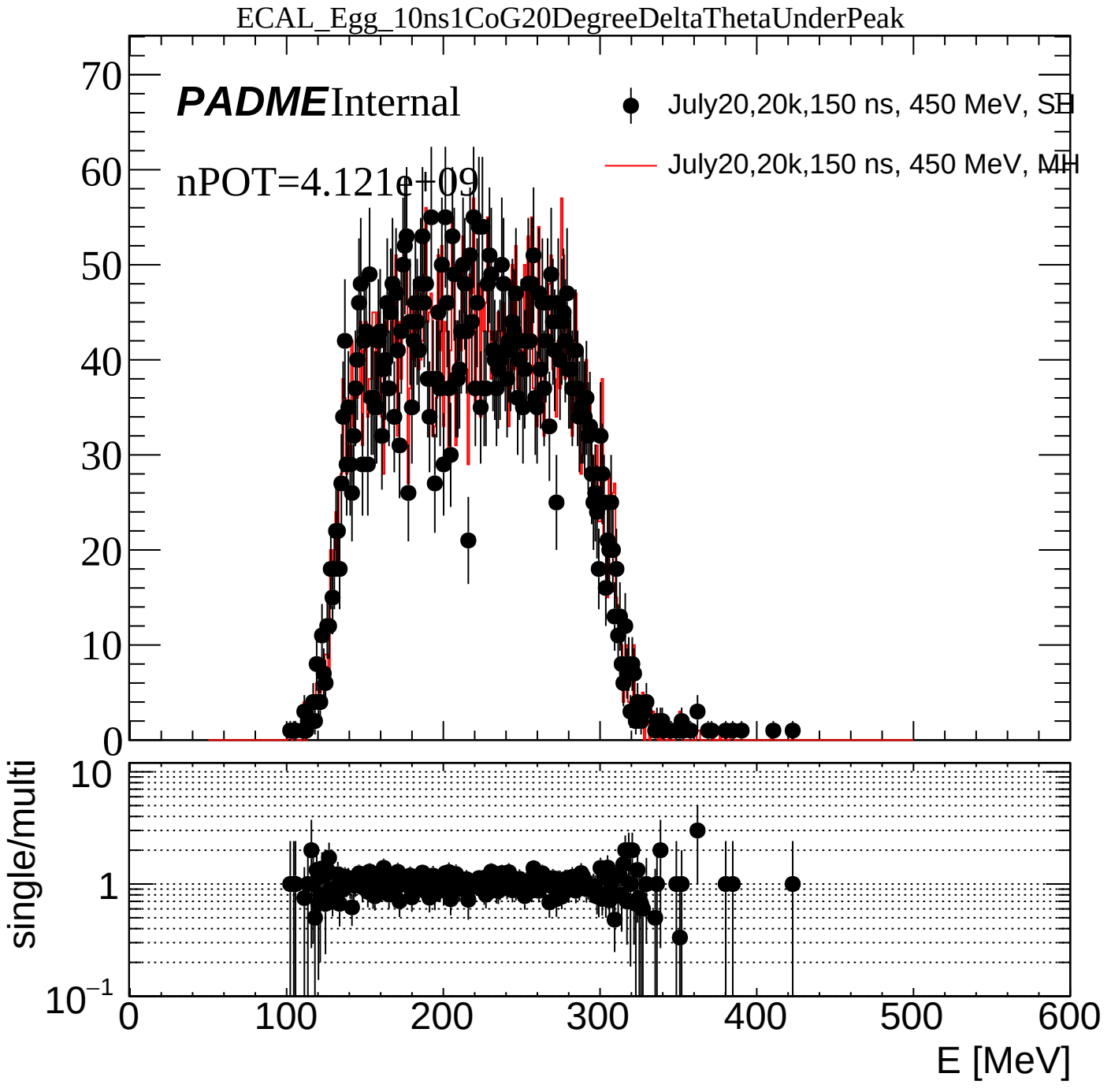

ECAL_Egg_10ns1CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

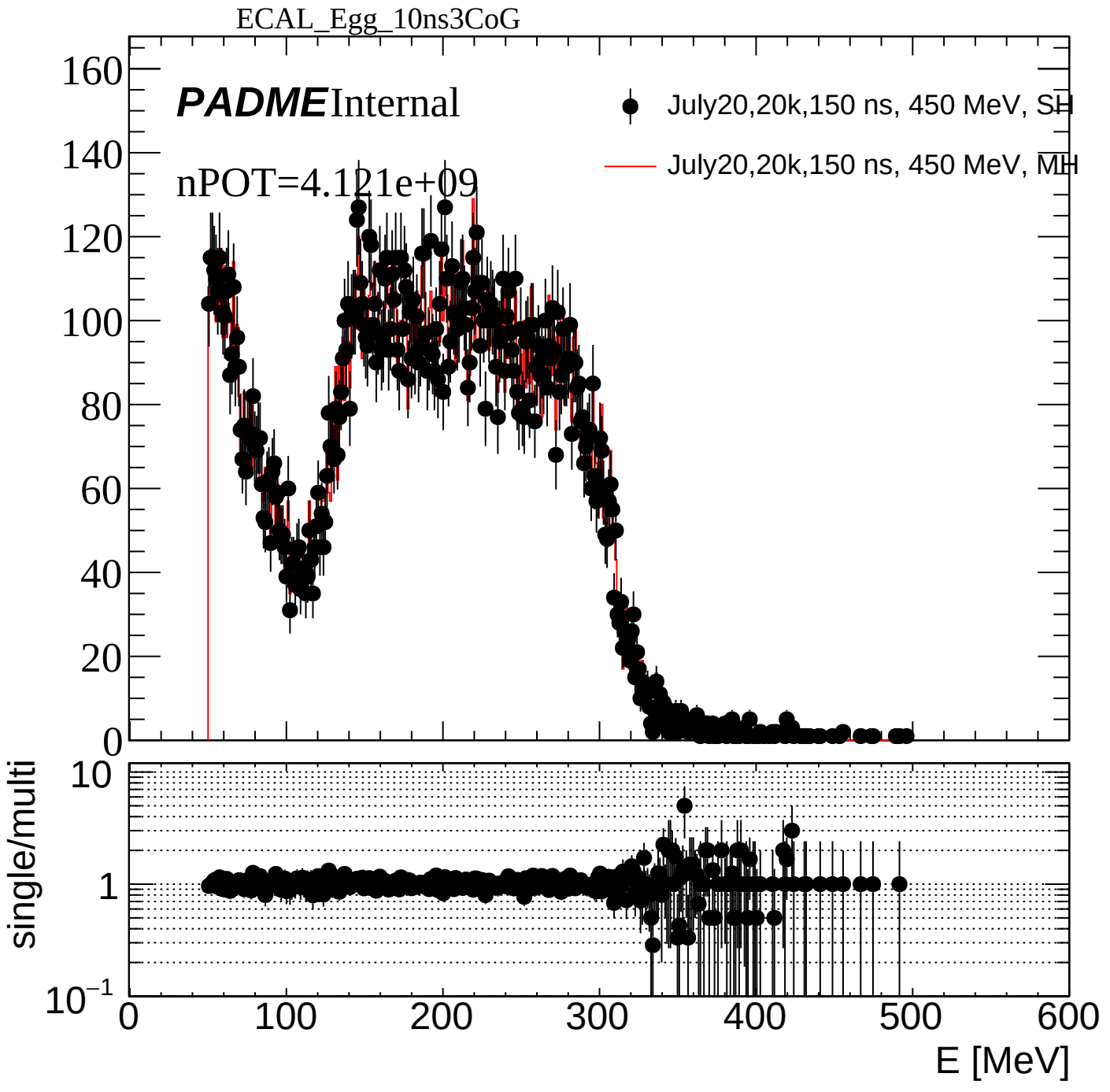

ECAL_Egg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

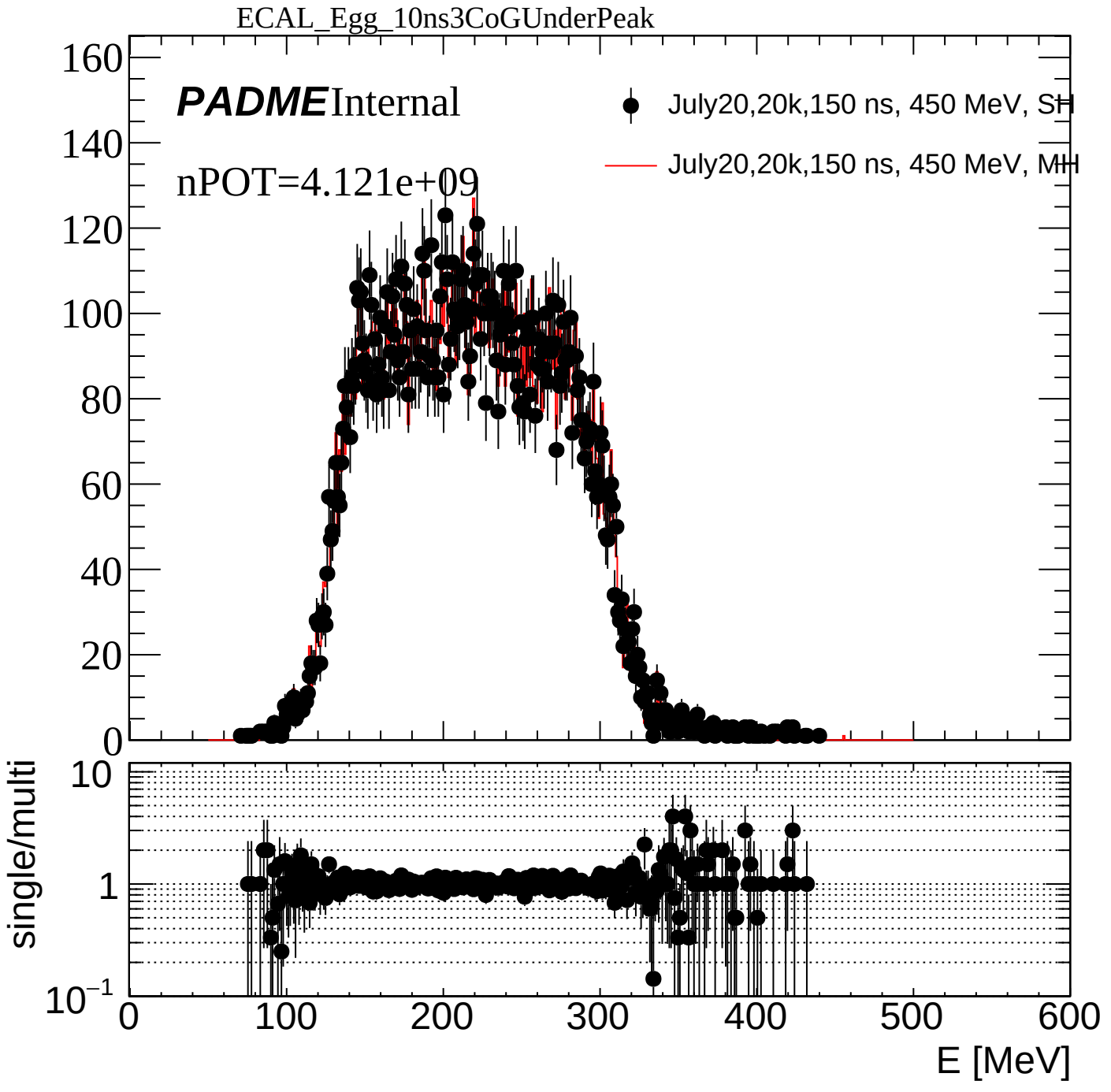

ECAL_Egg_10ns1CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

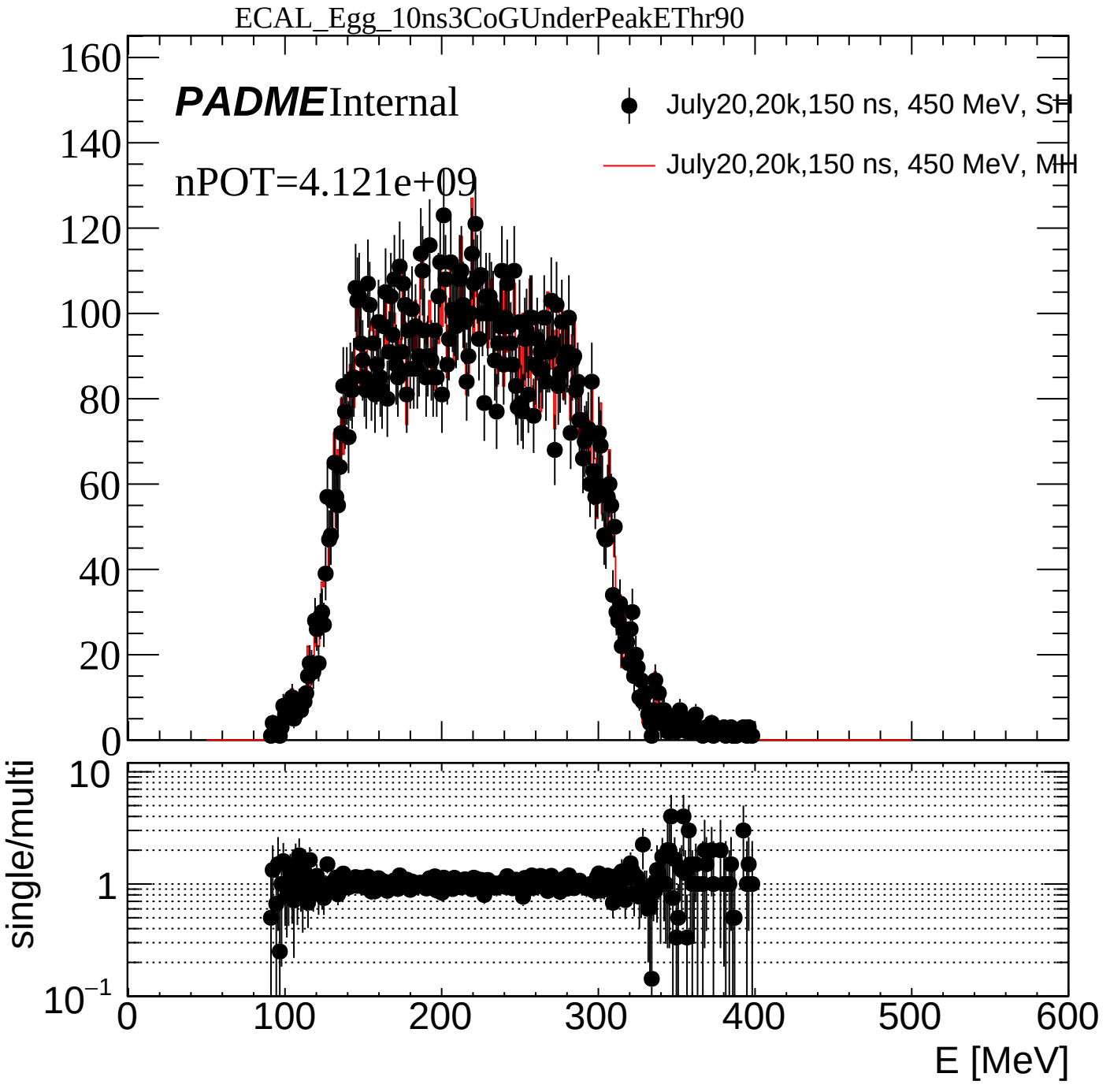

ECAL_Egg_10ns1CoG20Degree
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

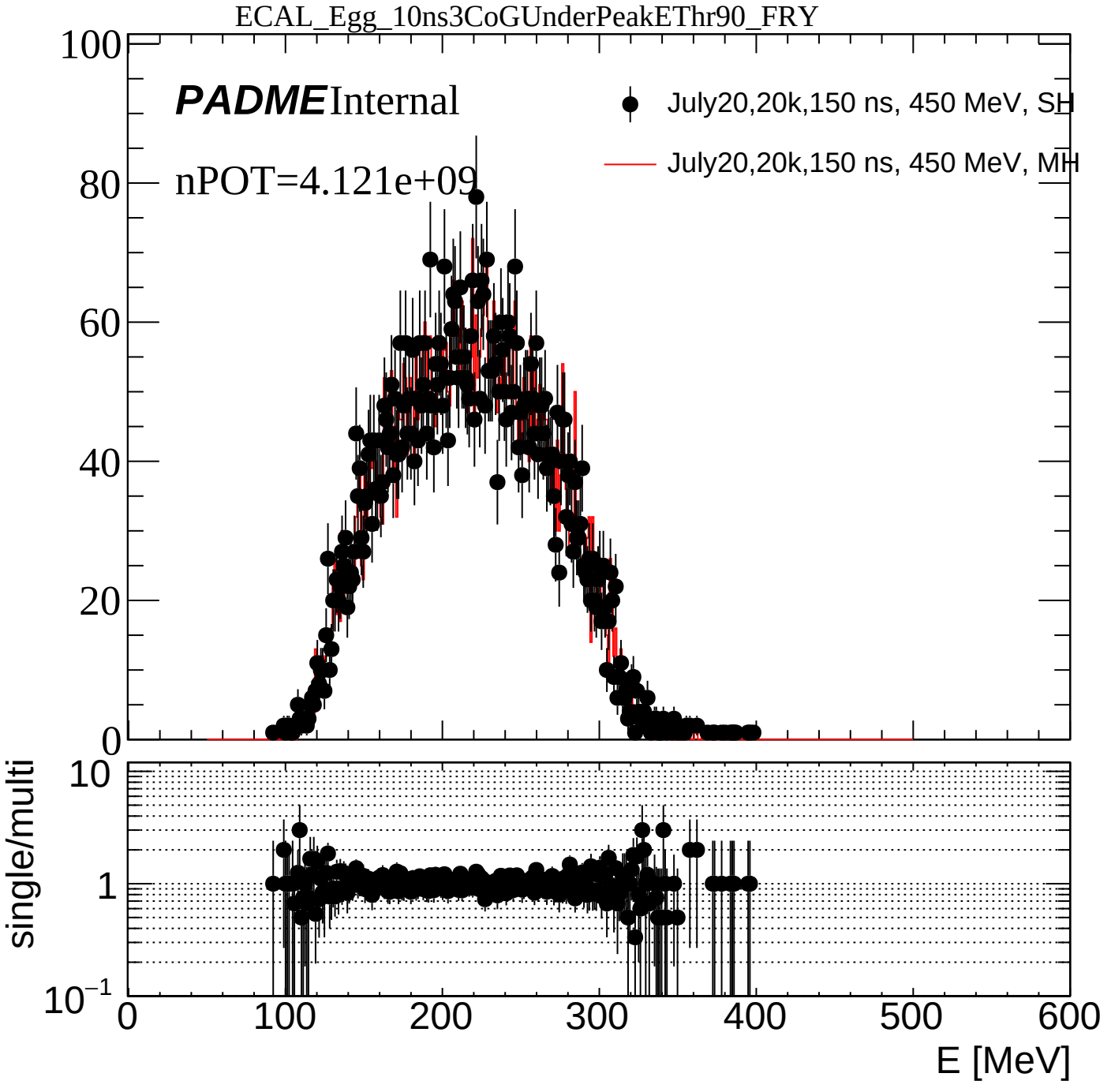

ECAL_Egg_10ns1CoG20DegreeDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

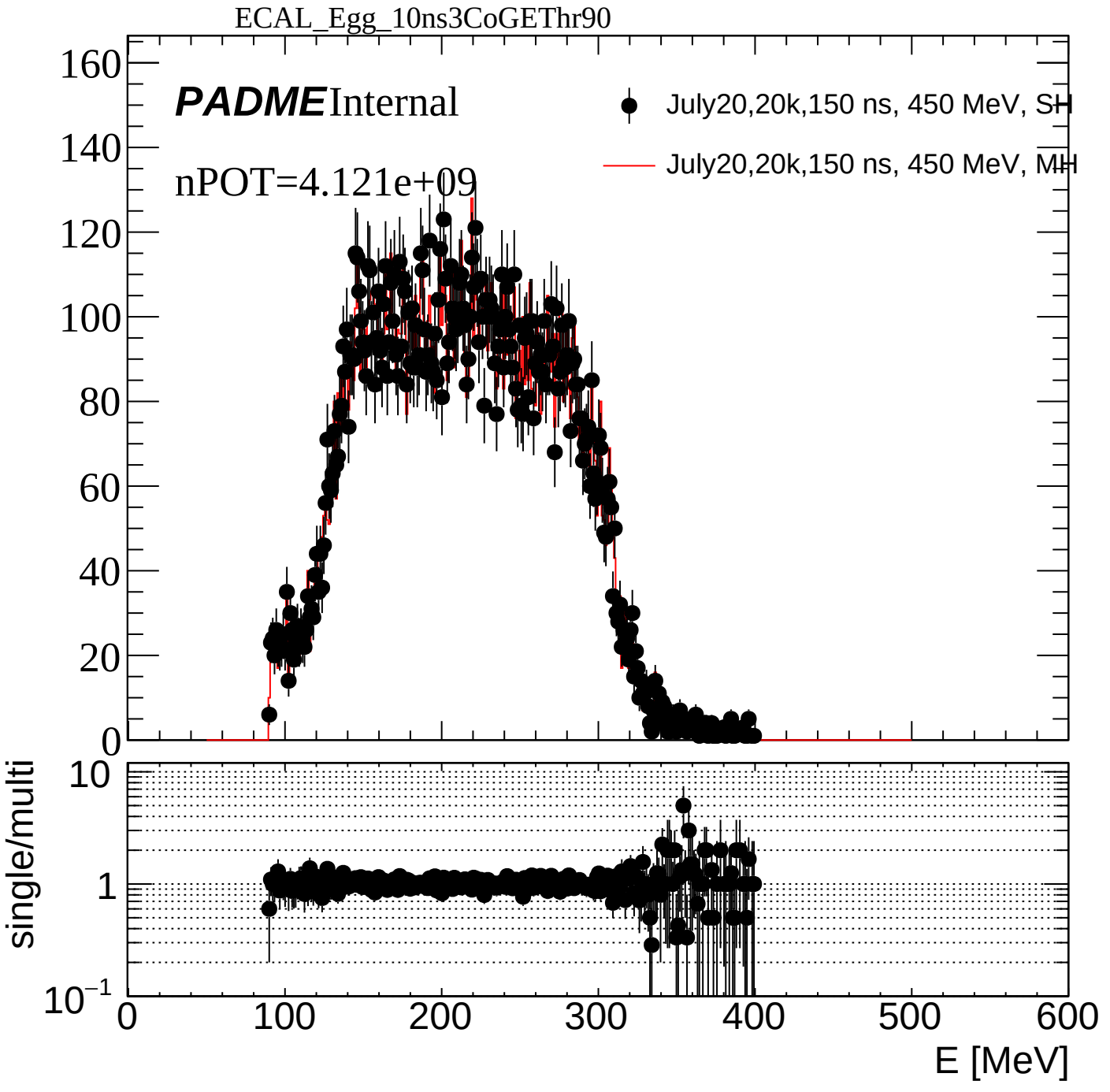

ECAL_Egg_10ns1CoG20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
70
60
50
40
30
20
10
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

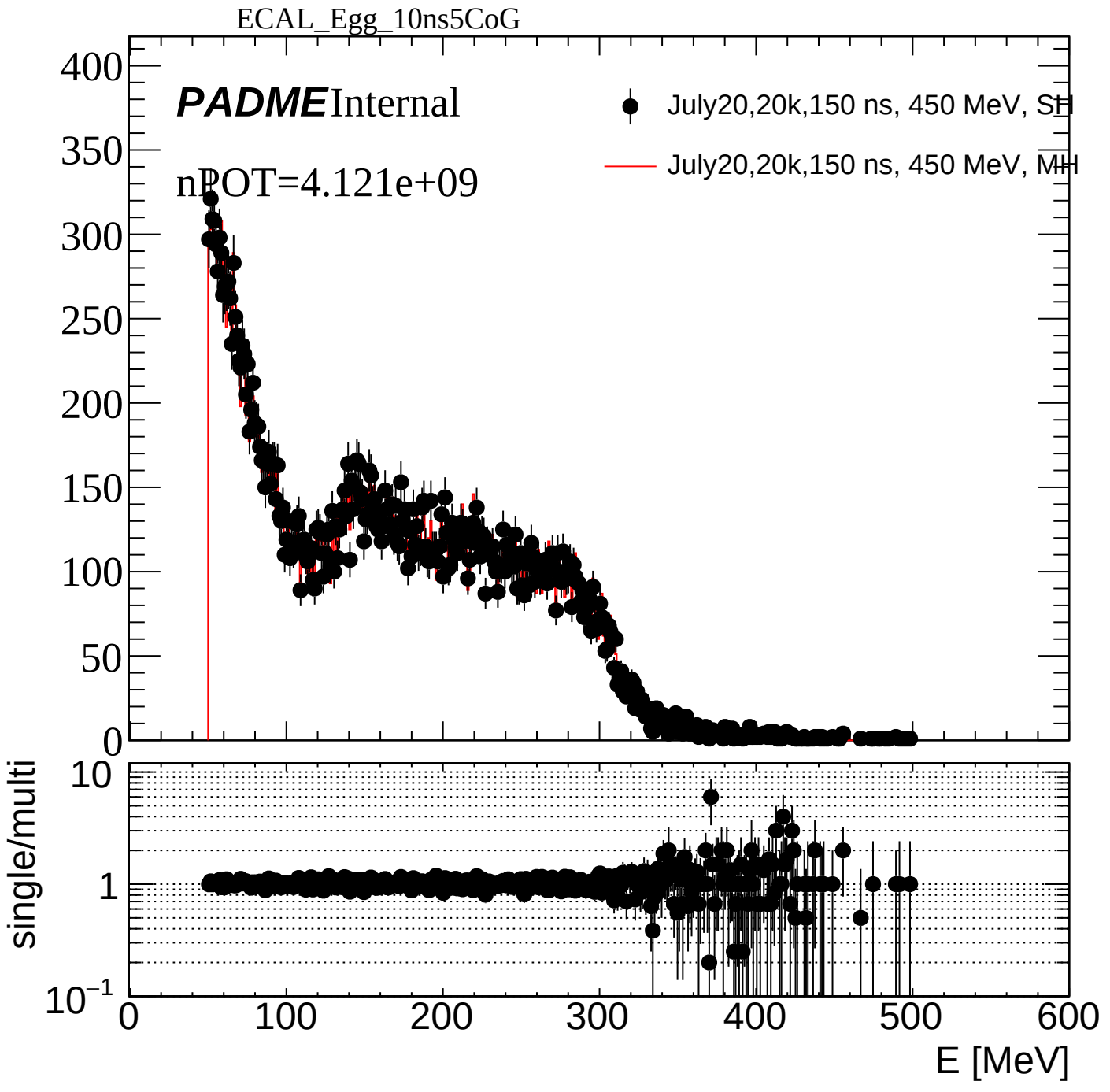

ECAL_Egg_10ns3CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

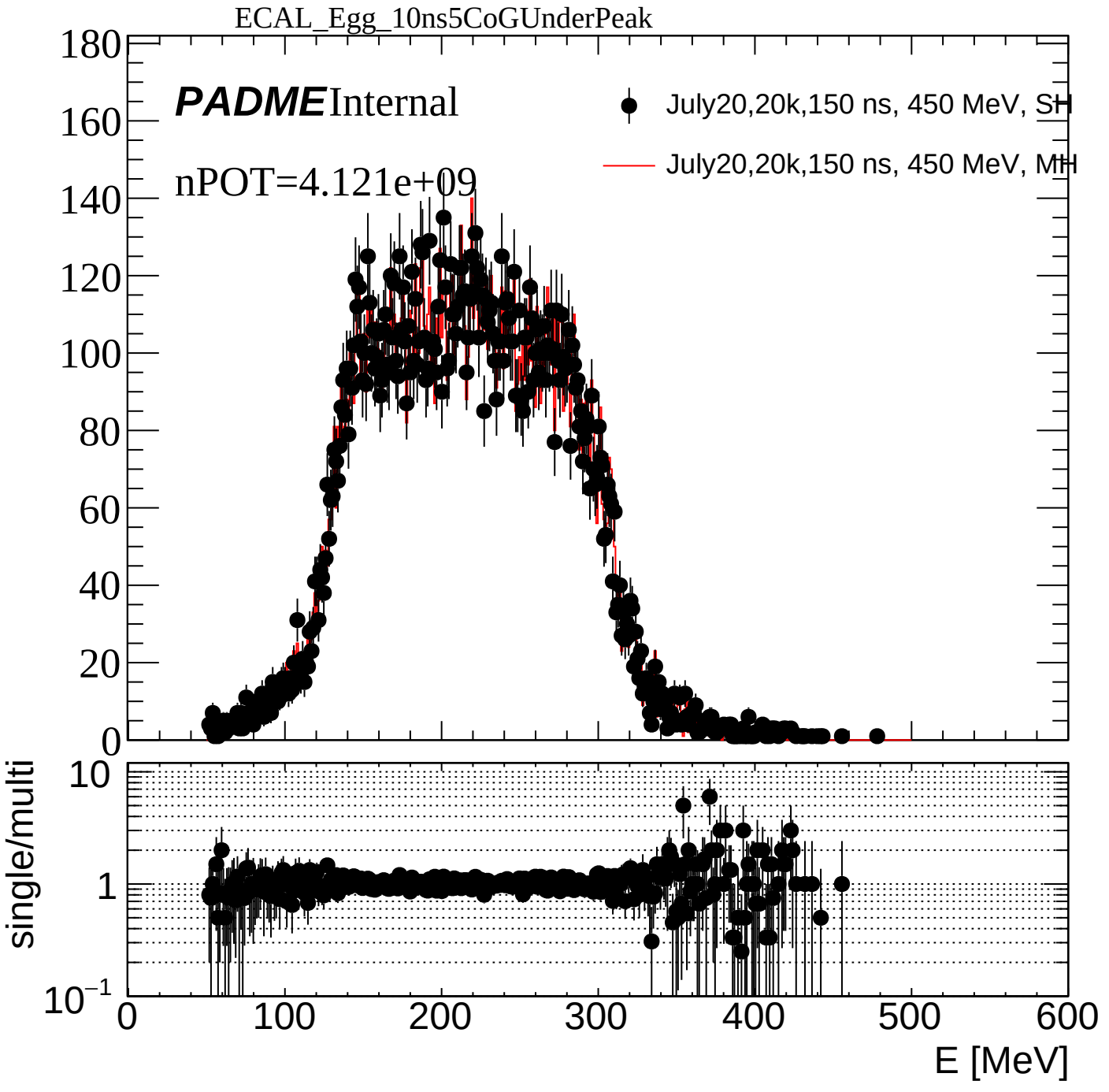

ECAL_Egg_10ns3CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

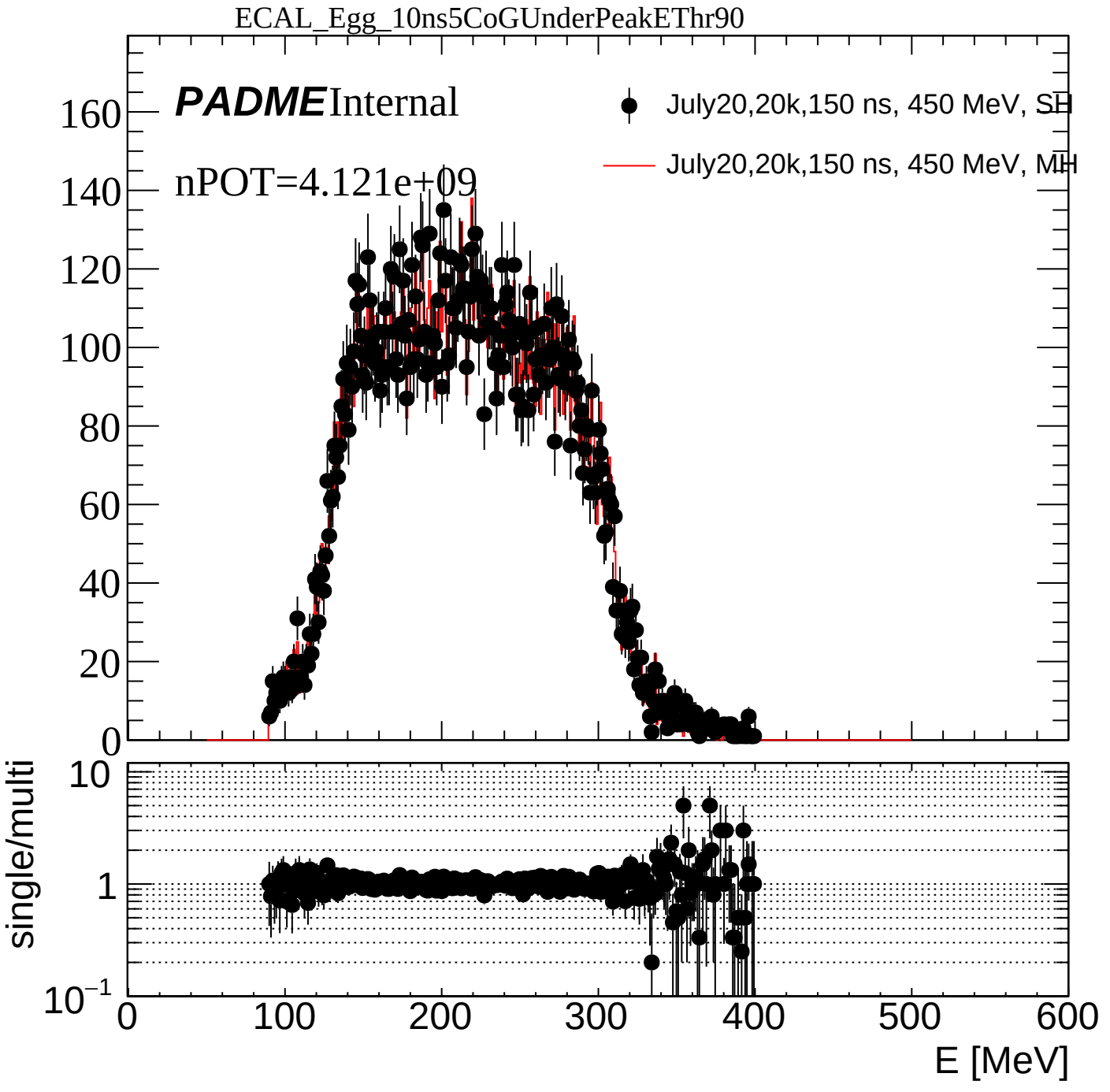

ECAL_Egg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

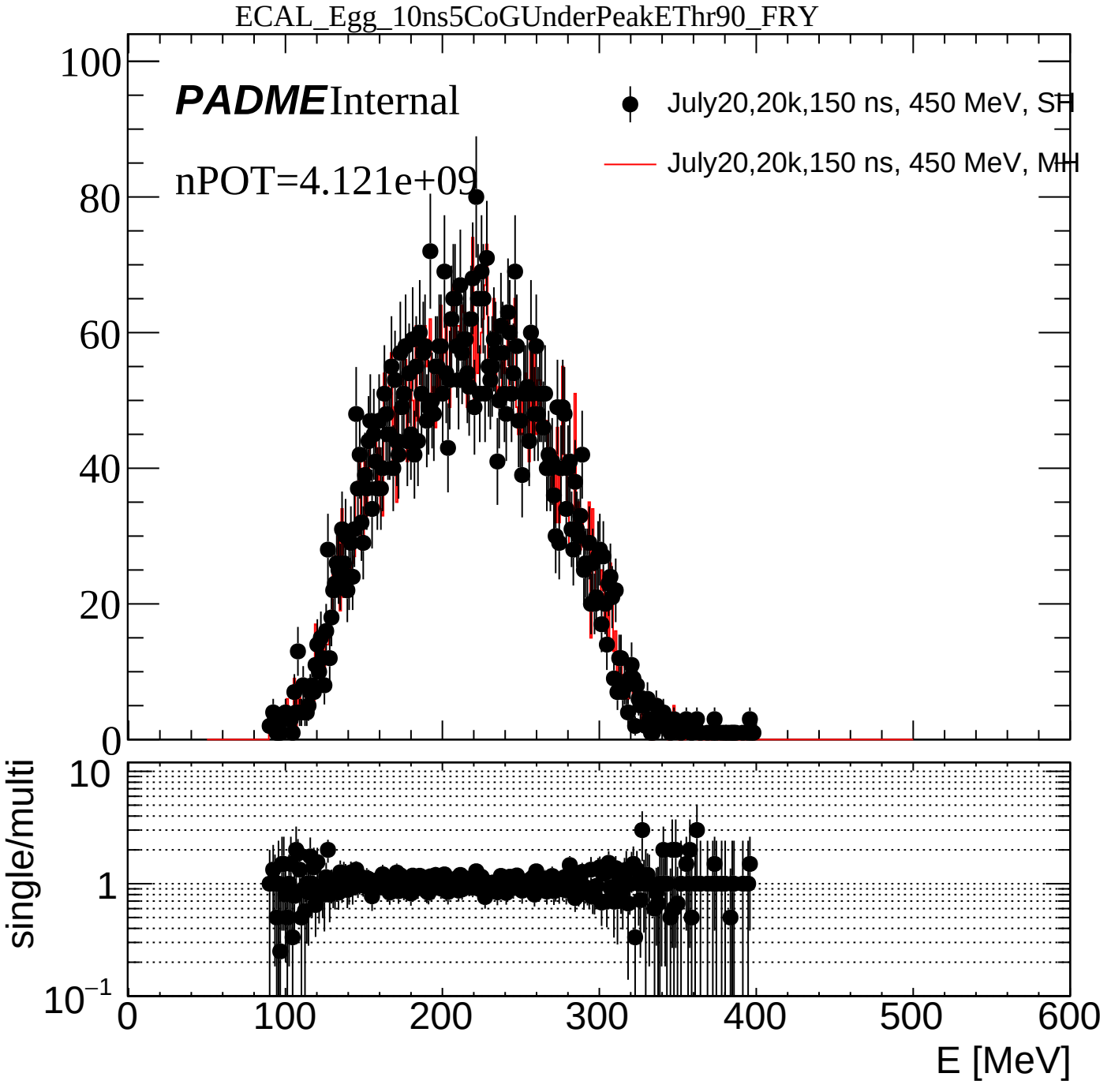

ECAL_Egg_10ns3CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

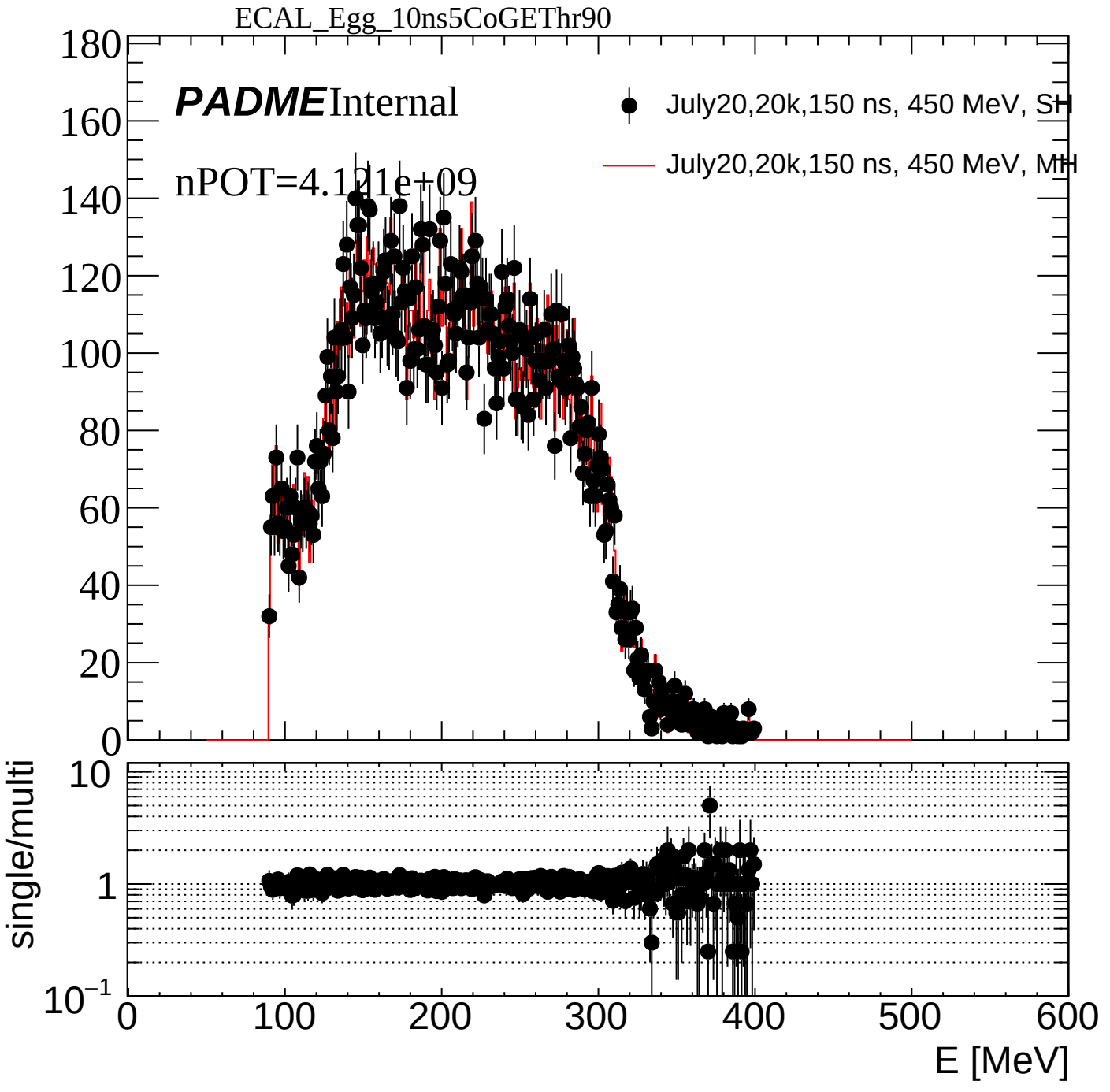

ECAL_Egg_10ns3CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

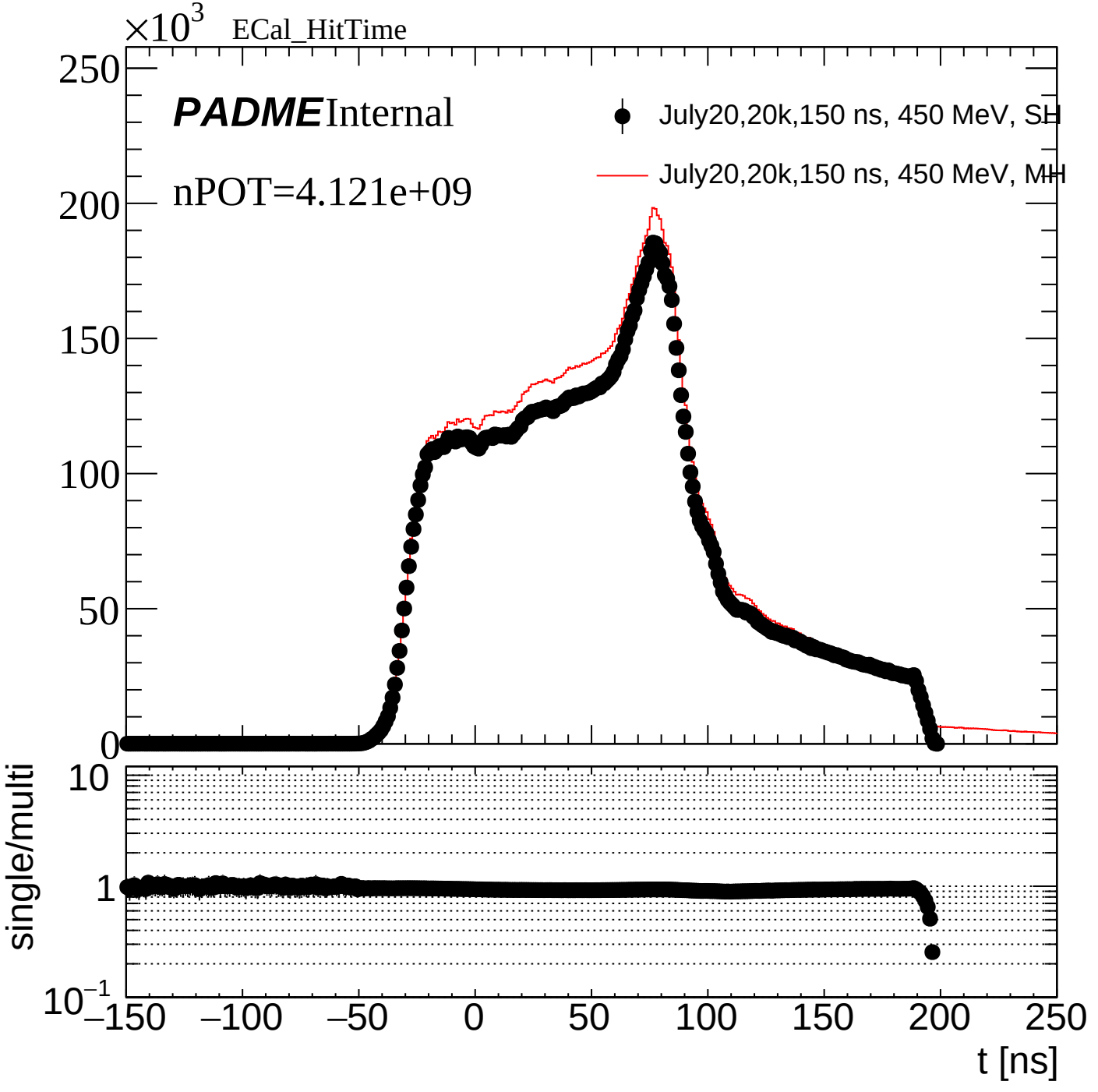

ECAL_Egg_10ns5CoG
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

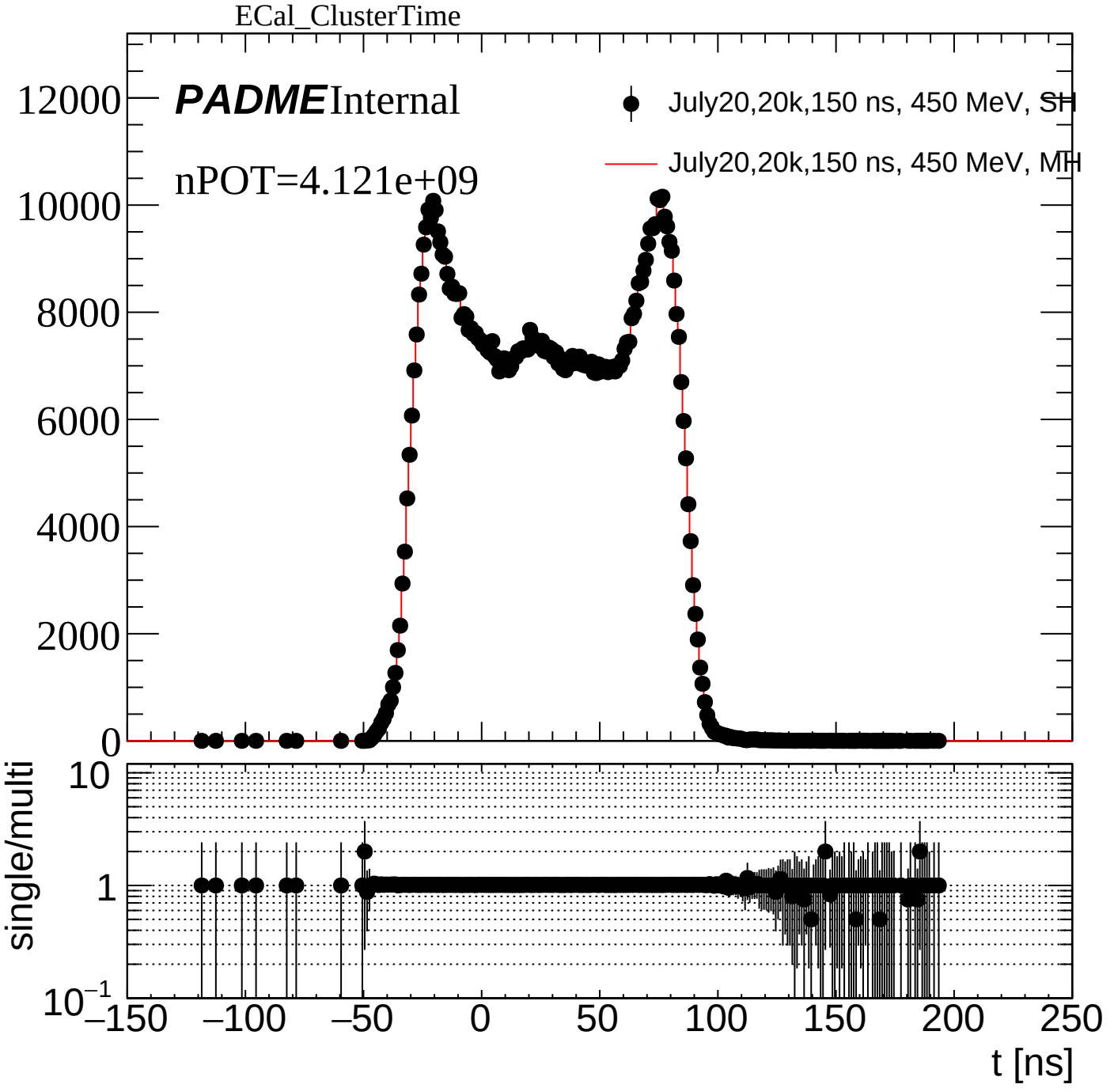

ECAL_Egg_10ns5CoGUnderPeak
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

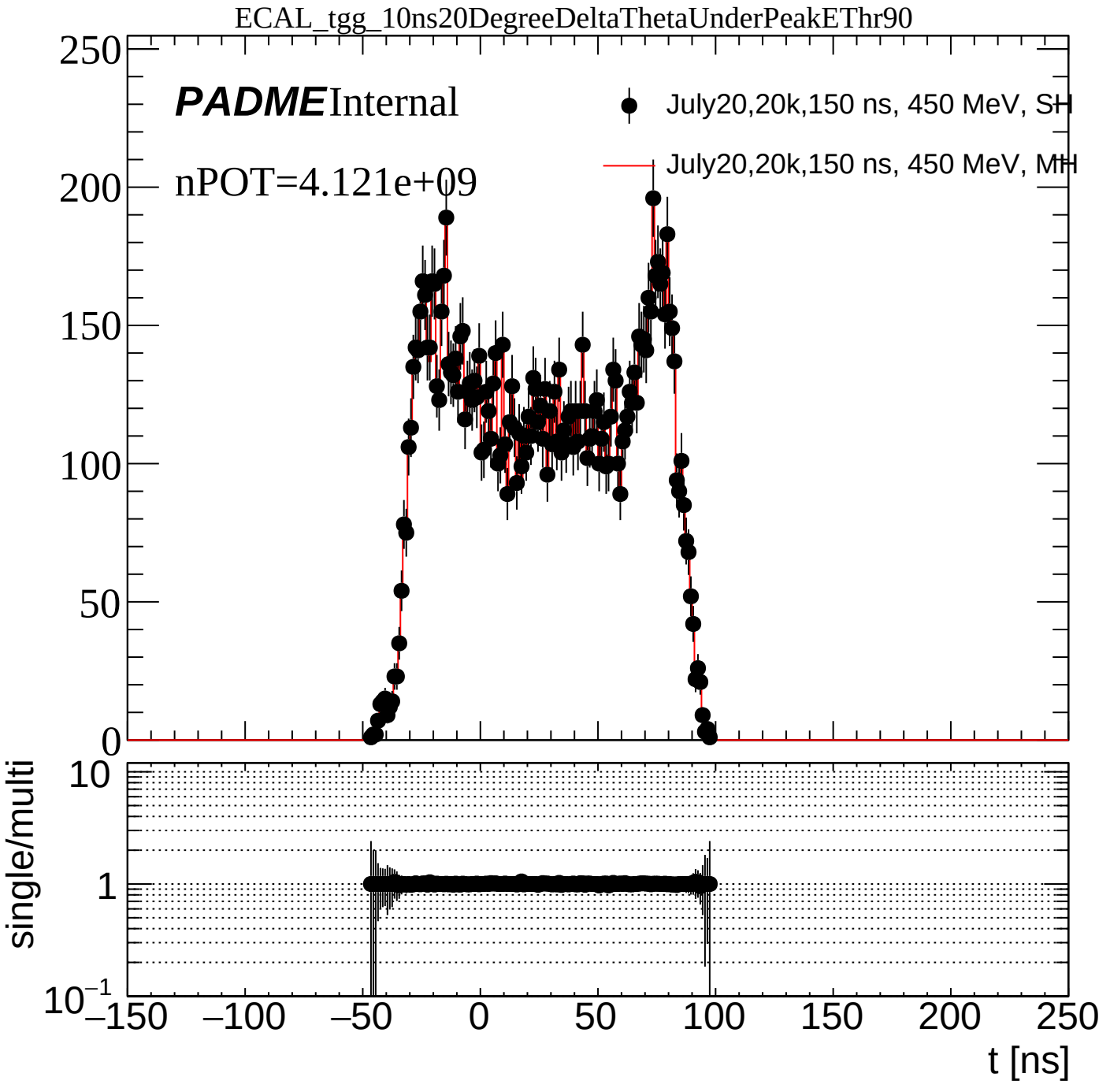

ECAL_Egg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

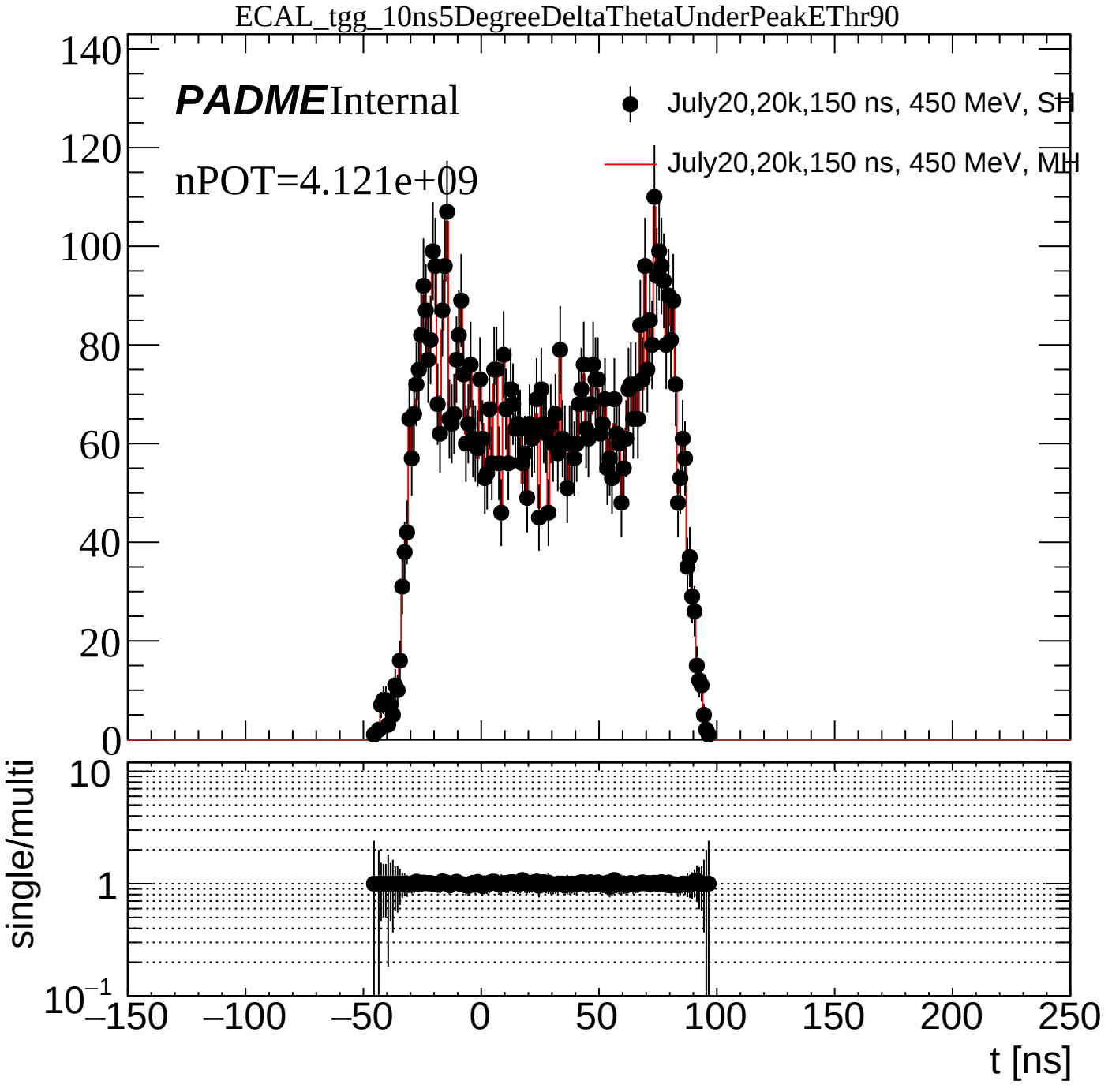

ECAL_Egg_10ns5CoGUnderPeakEThr90_FRY
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

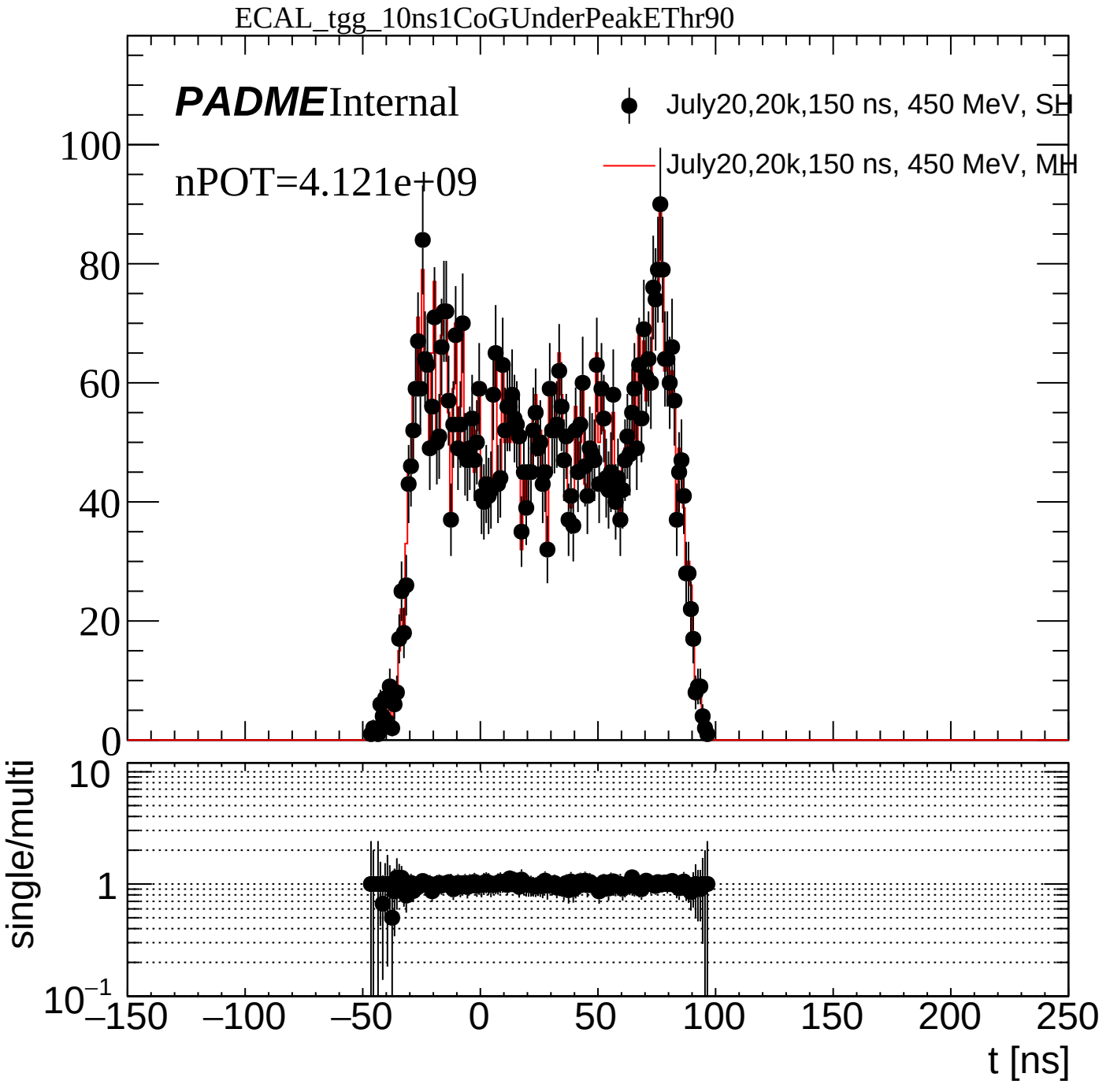

ECAL_Egg_10ns5CoGEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
100
200
300
400
500
600
E [MeV]

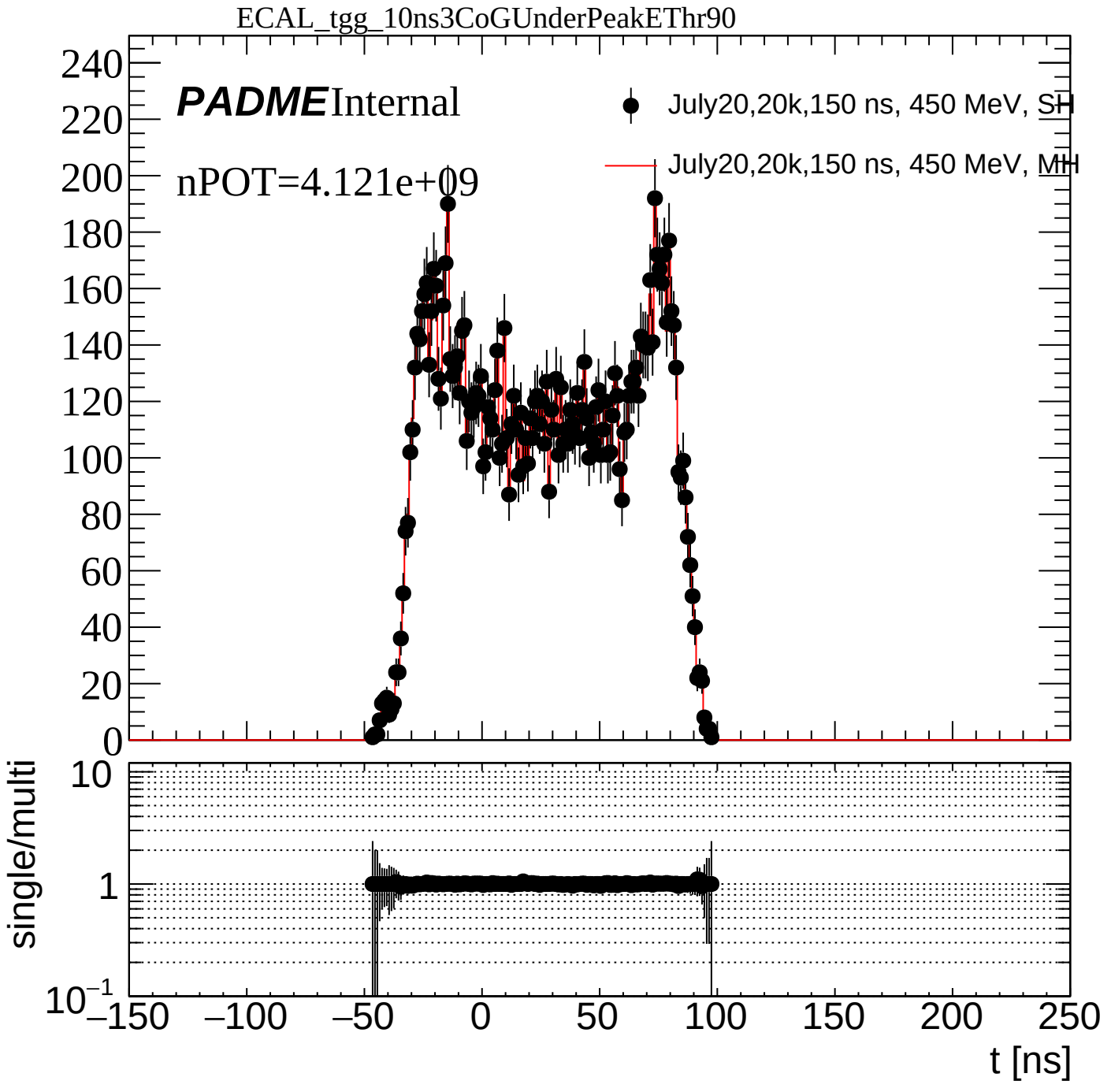

×10^3 ECal_HitTime
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
10
1
10^−1
single/multi
–150
–100
–50
0
50
100
150
200
250
t [ns]

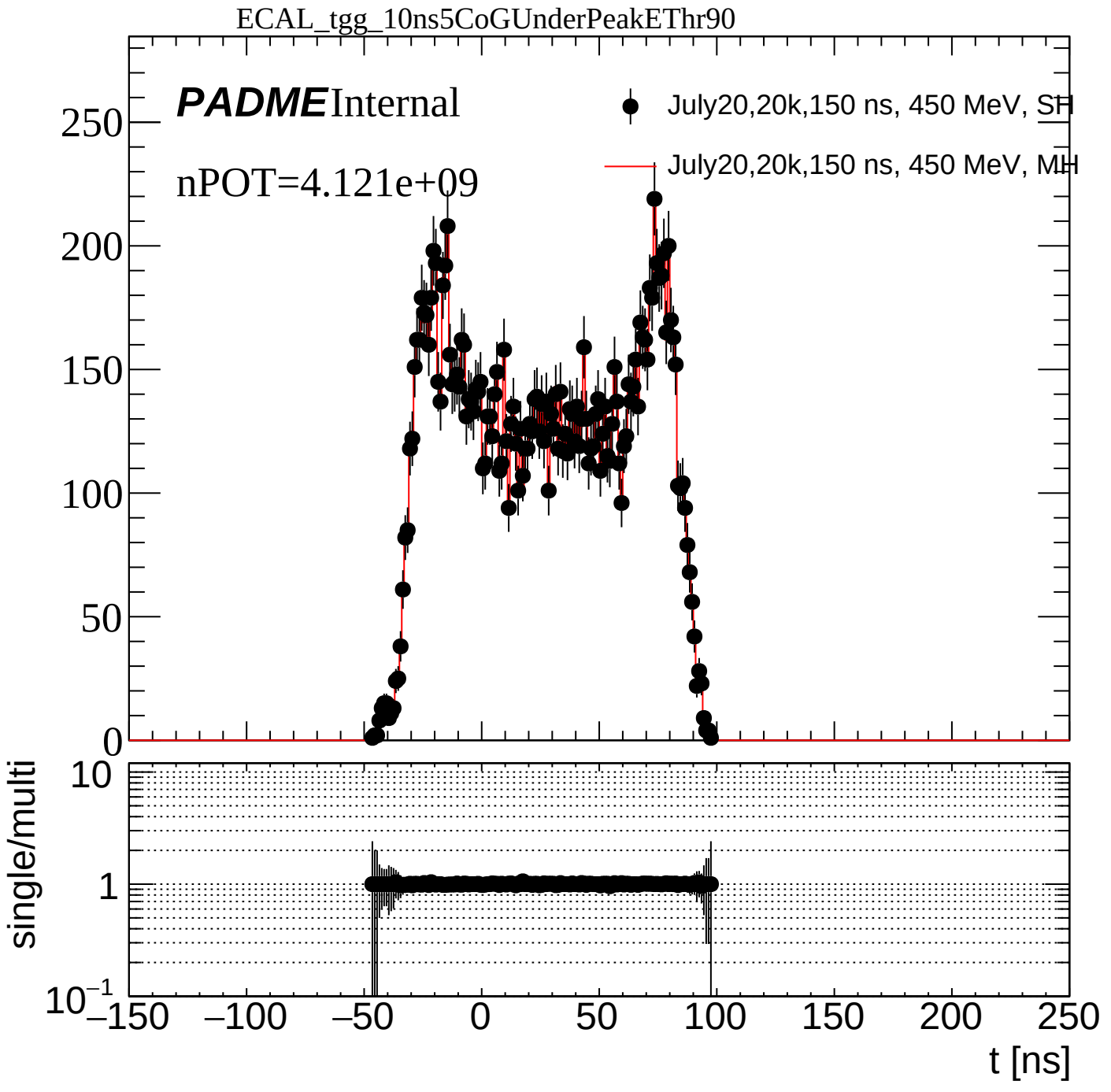

ECal_ClusterTime
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
12000
10000
8000
6000
4000
2000
0
single/multi
10
1
10^{-1}
–150
–100
–50
0
50
100
150
200
250
t [ns]

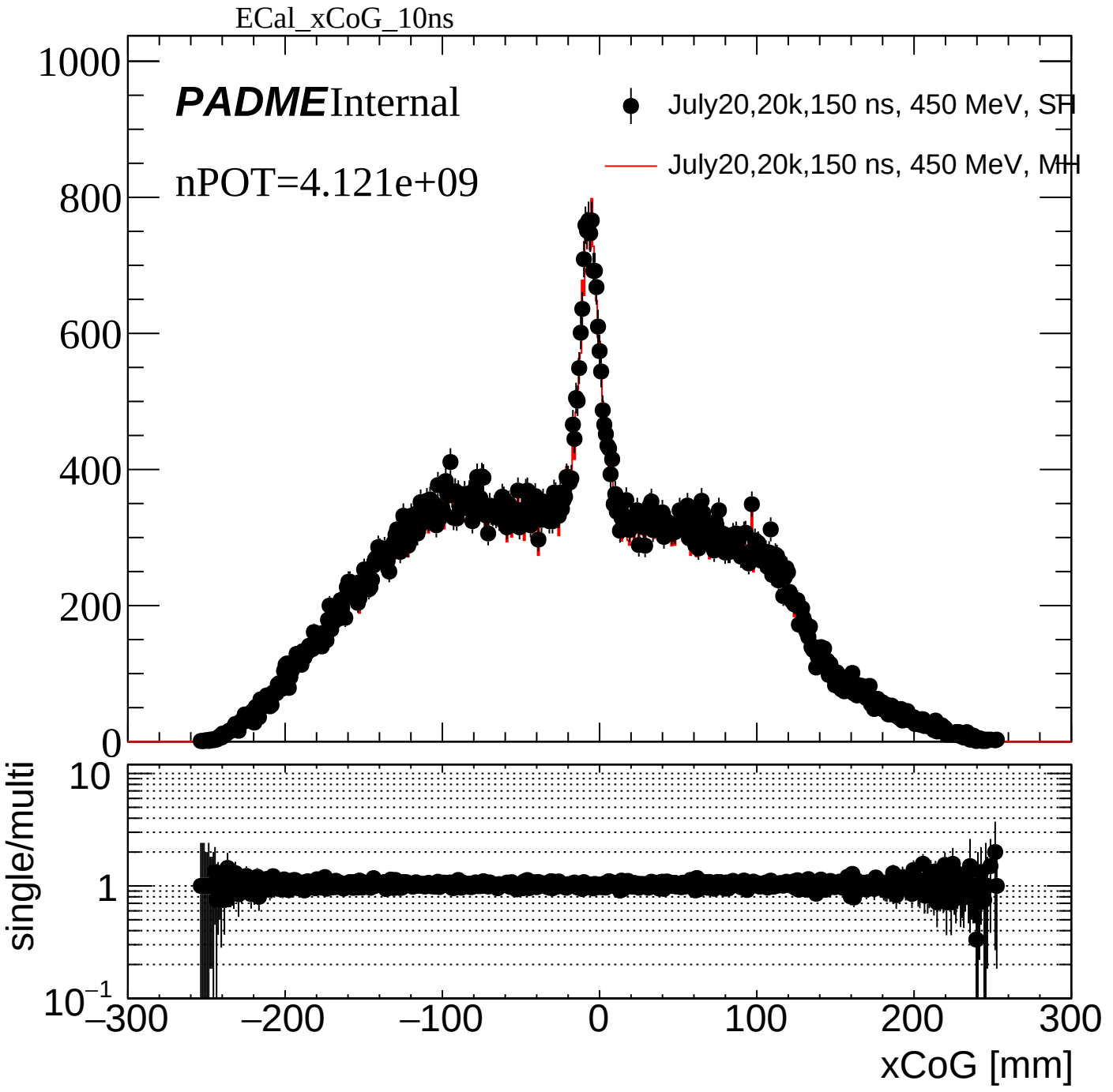

ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–150
–100
–50
0
50
100
150
200
250
t [ns]

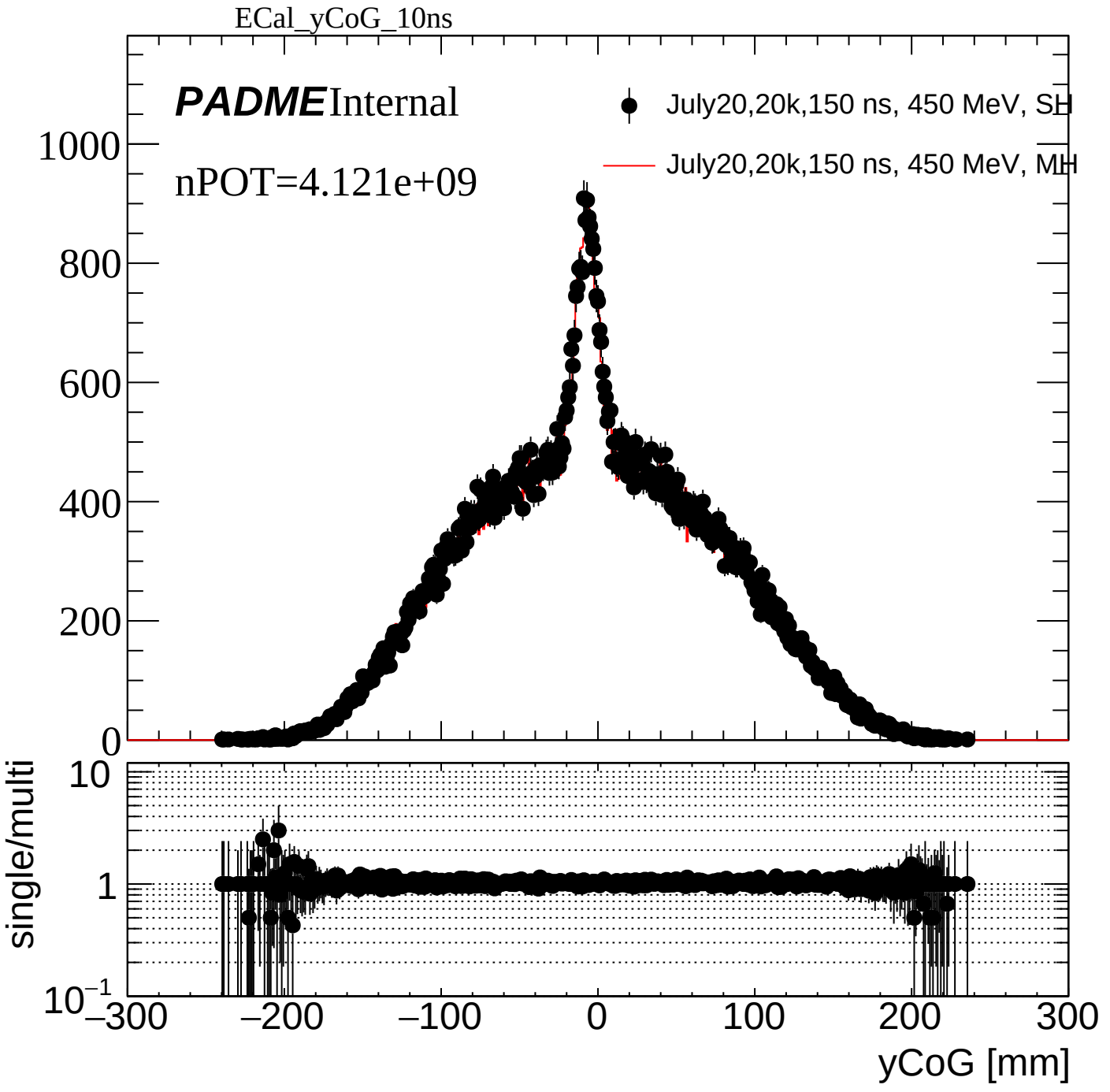

ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
–150
–100
–50
0
50
100
150
200
250
t [ns]

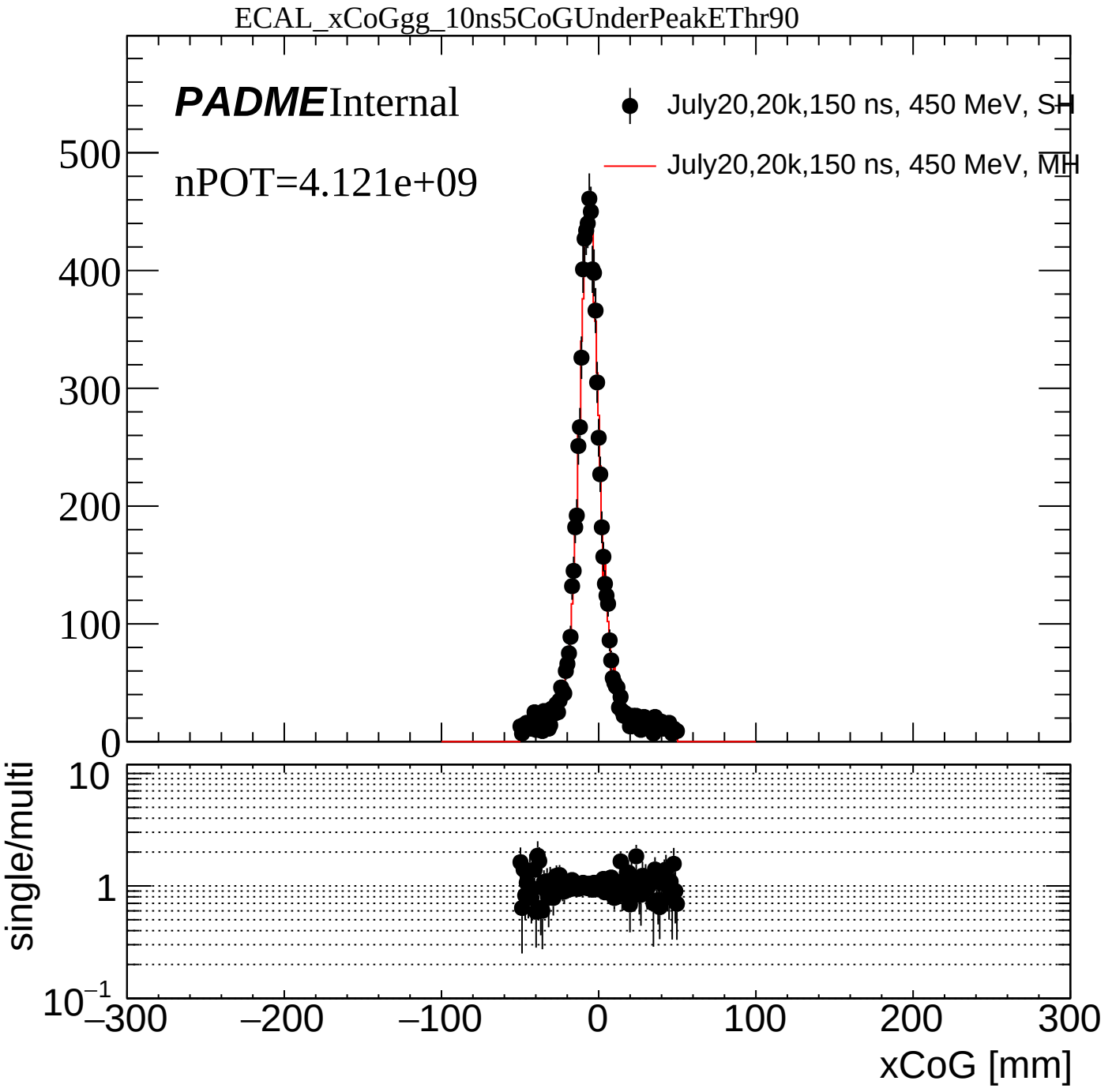

ECAL_tgg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
100
80
60
40
20
0
single/multi
10
1
10^{-1}
–150
–100
–50
0
50
100
150
200
250
t [ns]

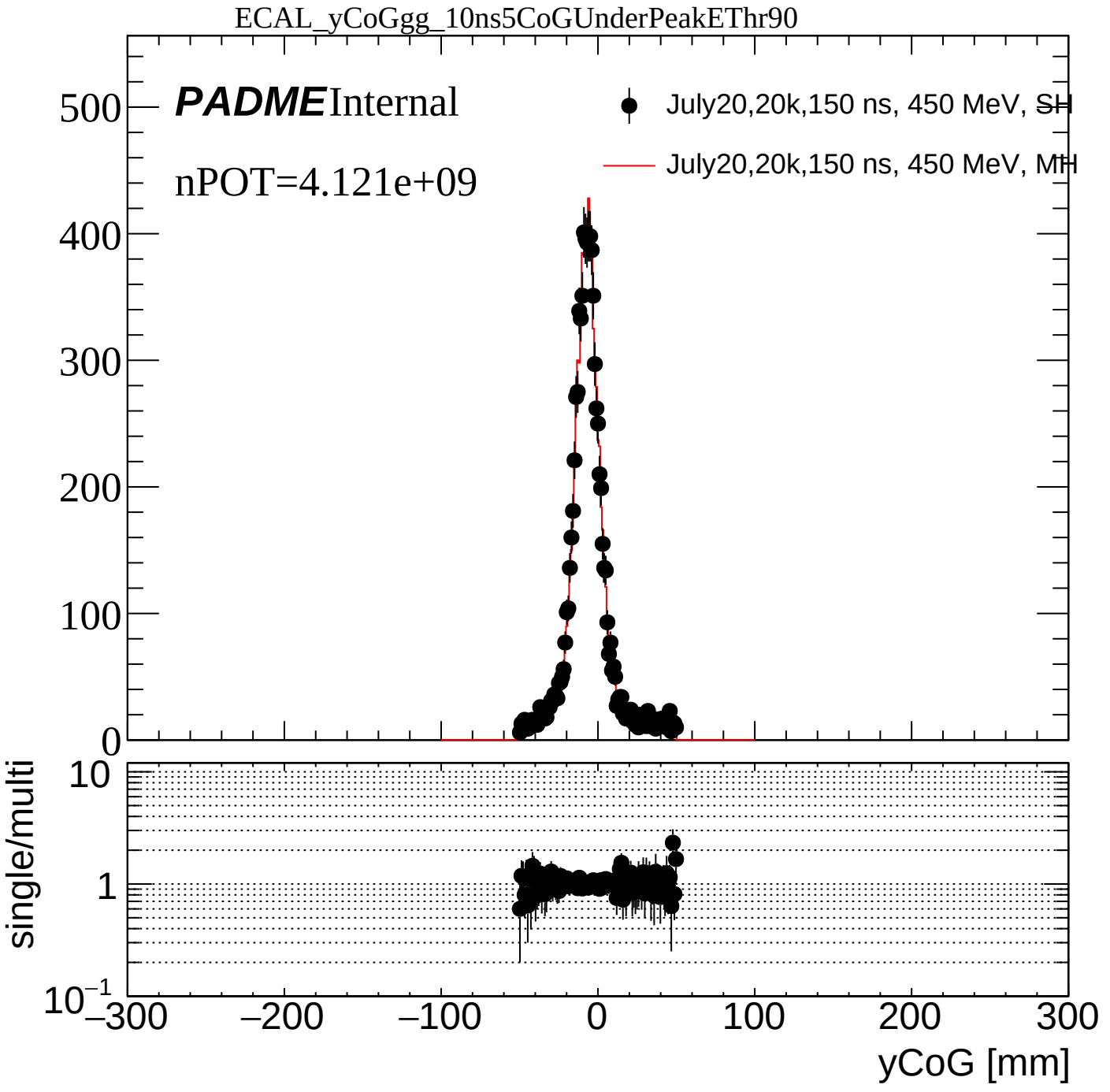

ECAL_tgg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
240
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
–150
–100
–50
0
50
100
150
200
250
t [ns]

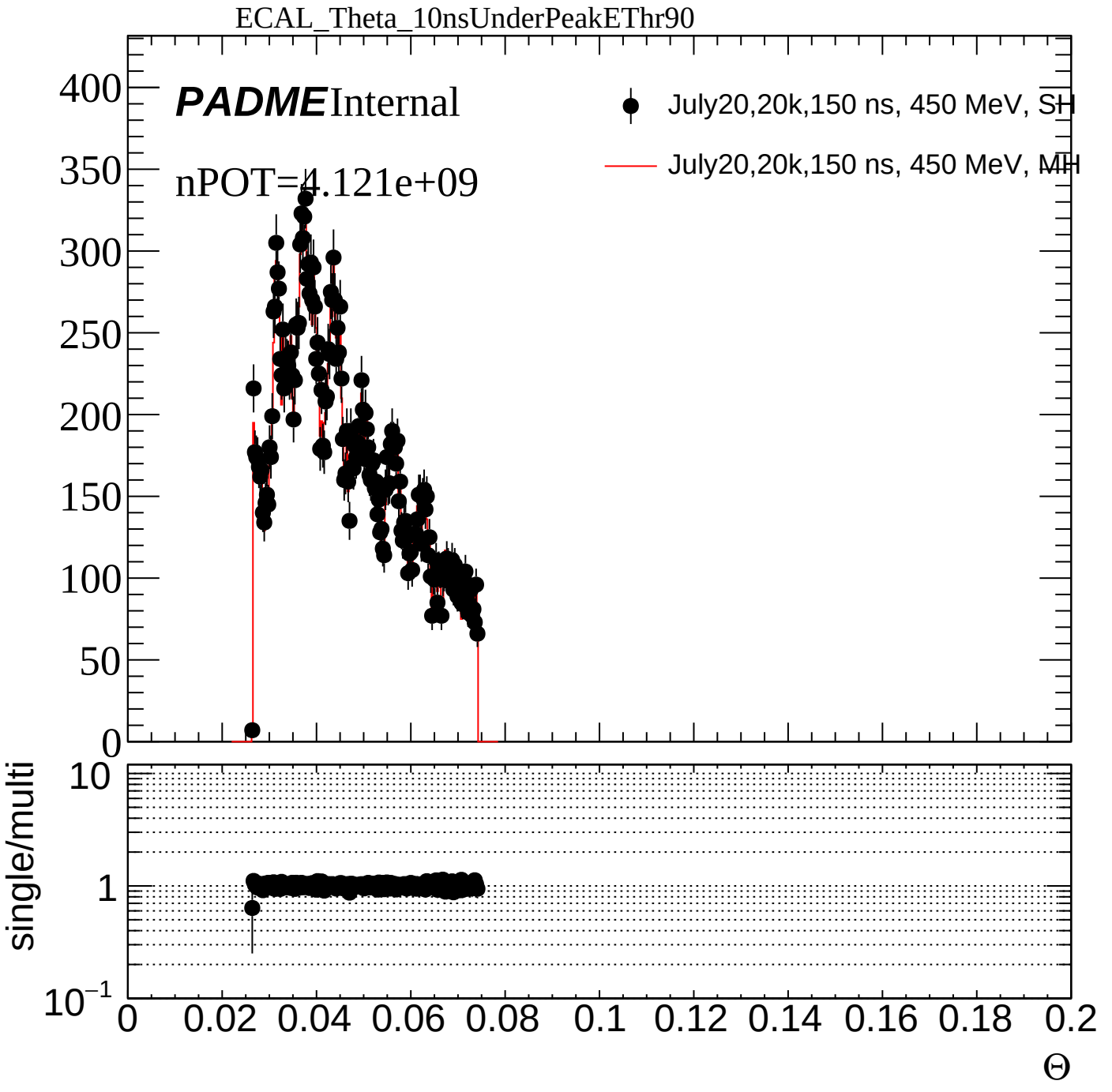

ECAL_tgg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–150
–100
–50
0
50
100
150
200
250
t [ns]

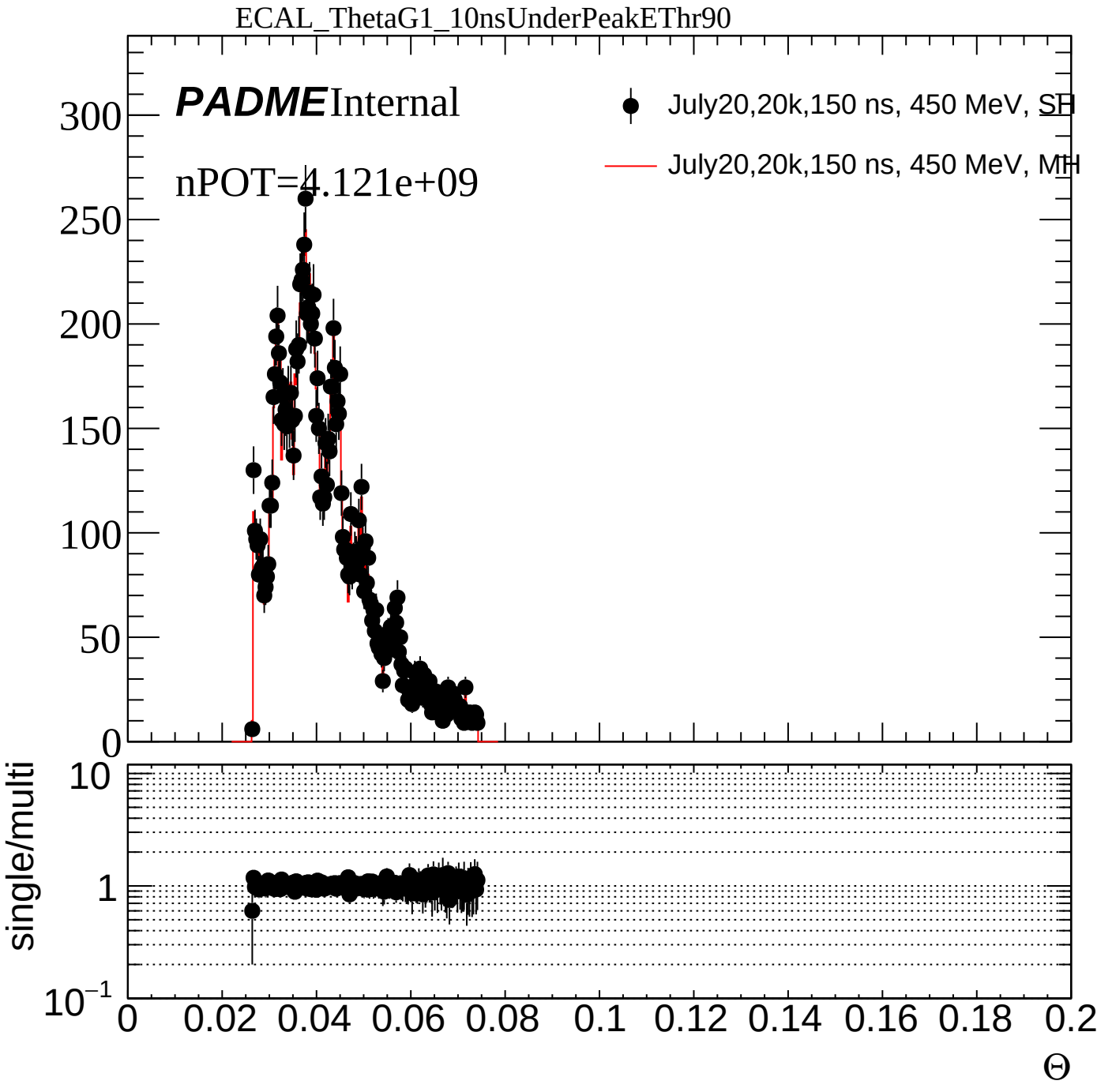

ECal_xCoG_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
xCoG [mm]

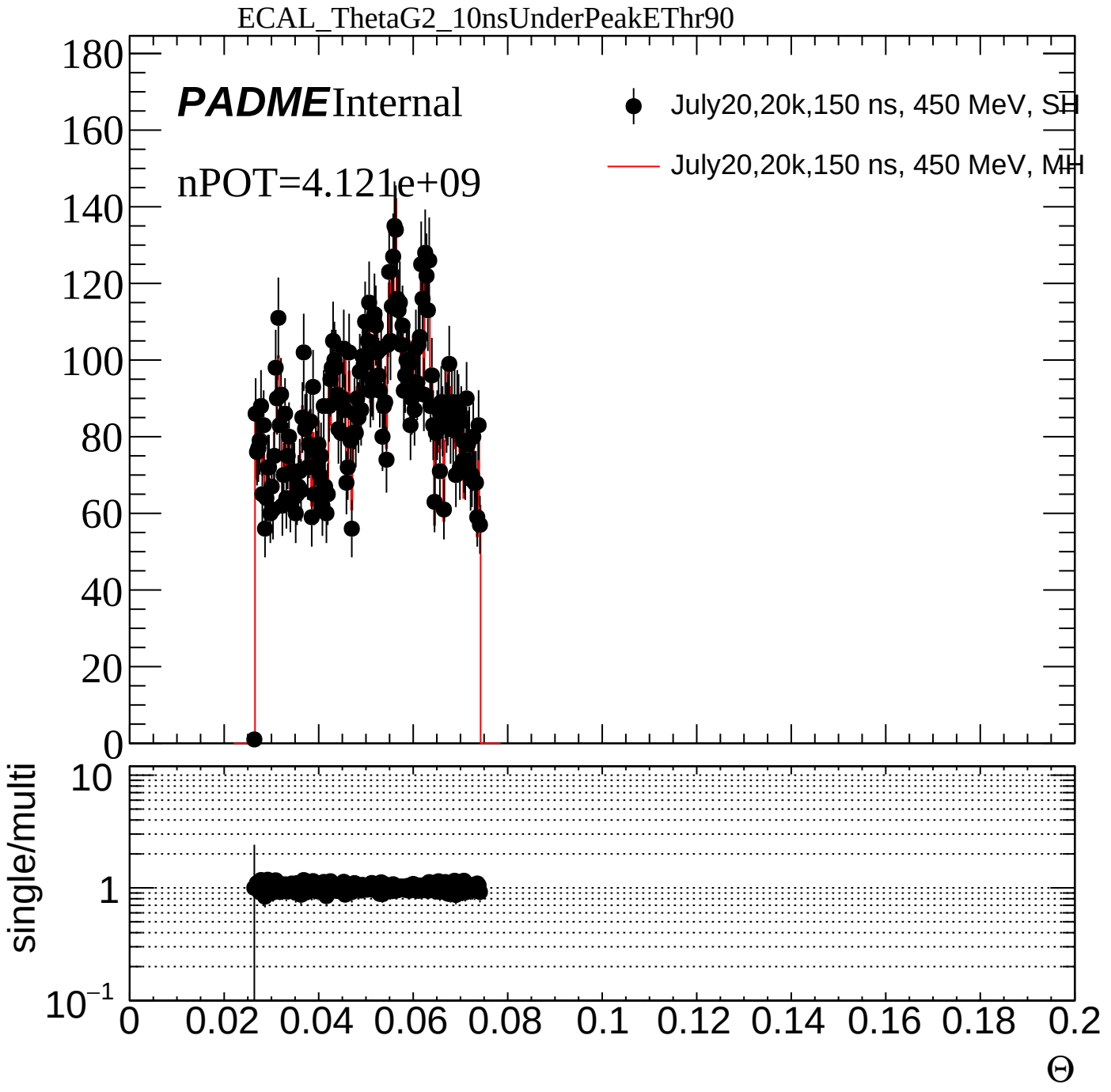

ECal_yCoG_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
–300
–200
–100
0
100
200
300
yCoG [mm]

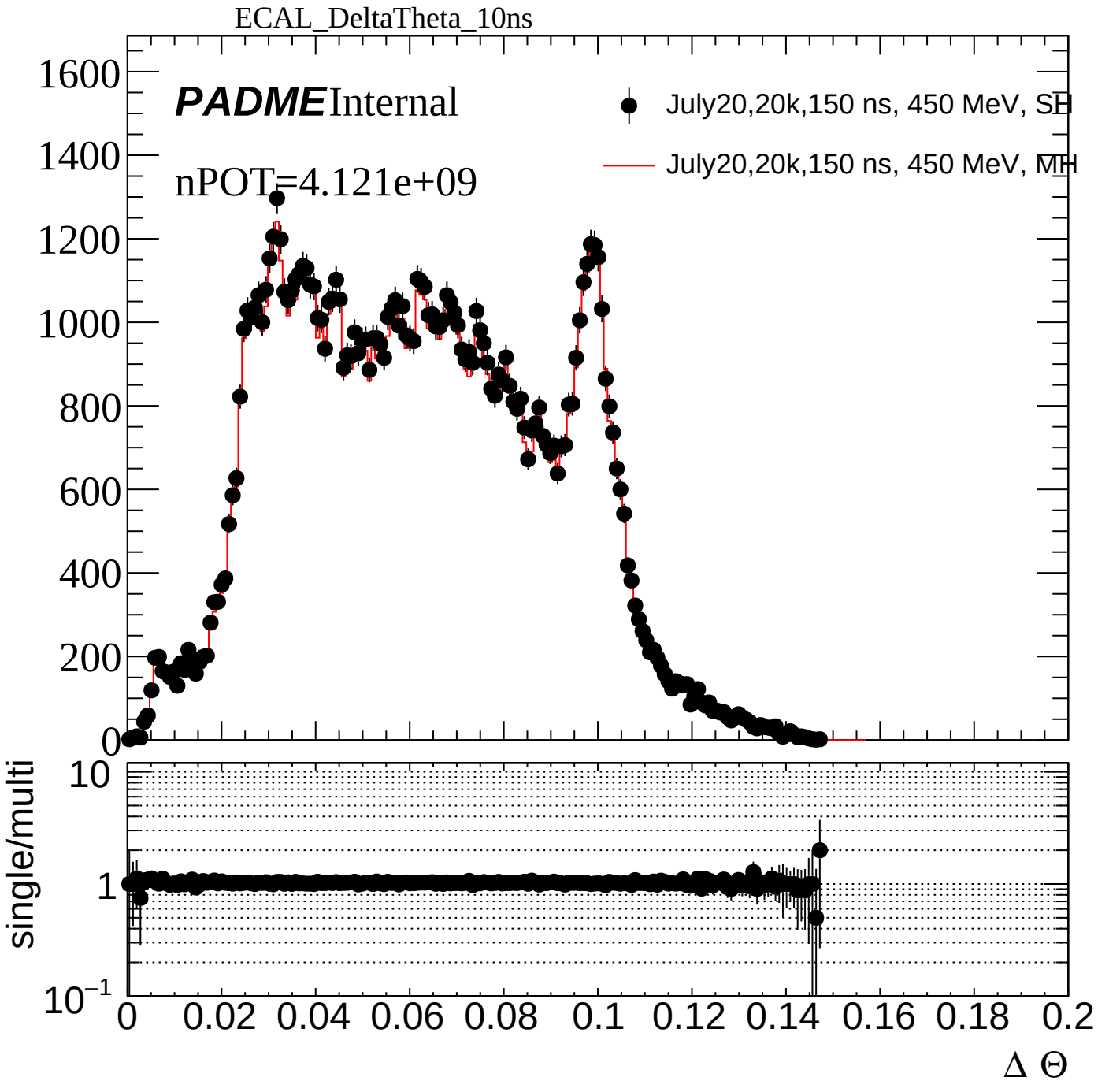

ECAL_xCoGgg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
xCoG [mm]

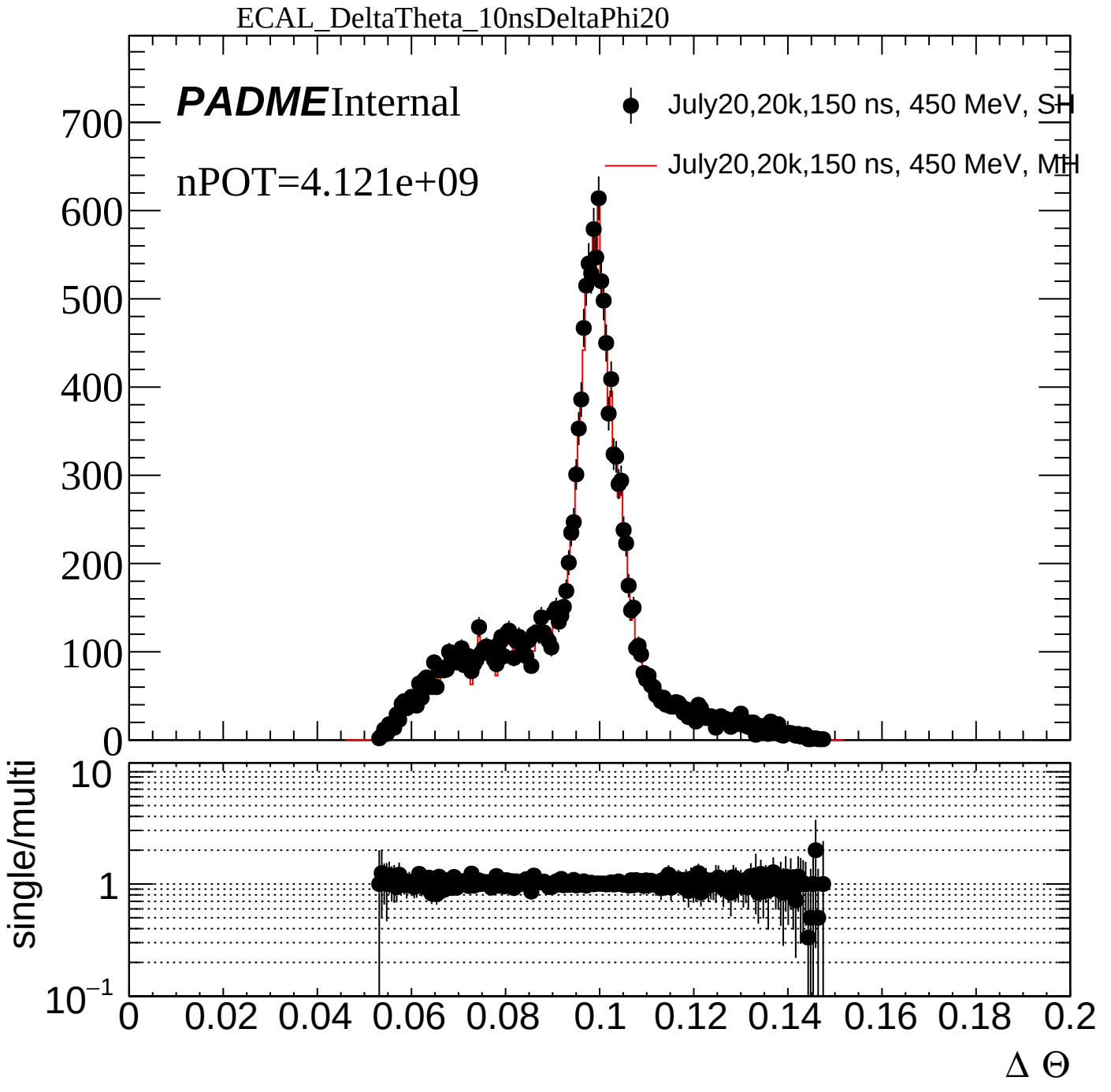

ECAL_yCoGgg_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
500
400
300
200
100
0
single/multi
10
1
10^{-1}
–300
–200
–100
0
100
200
300
yCoG [mm]

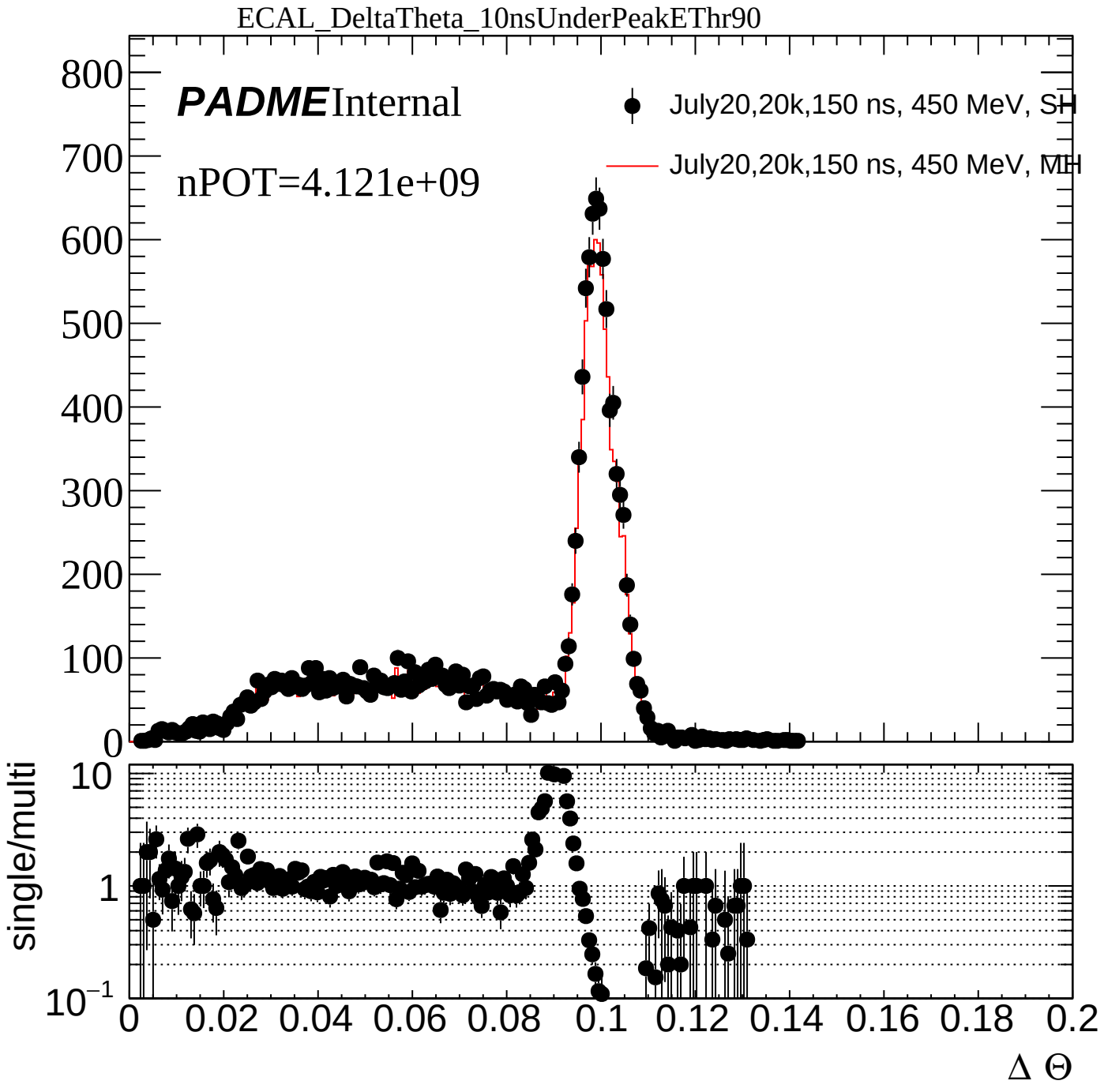

ECAL_Theta_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
400
350
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Θ

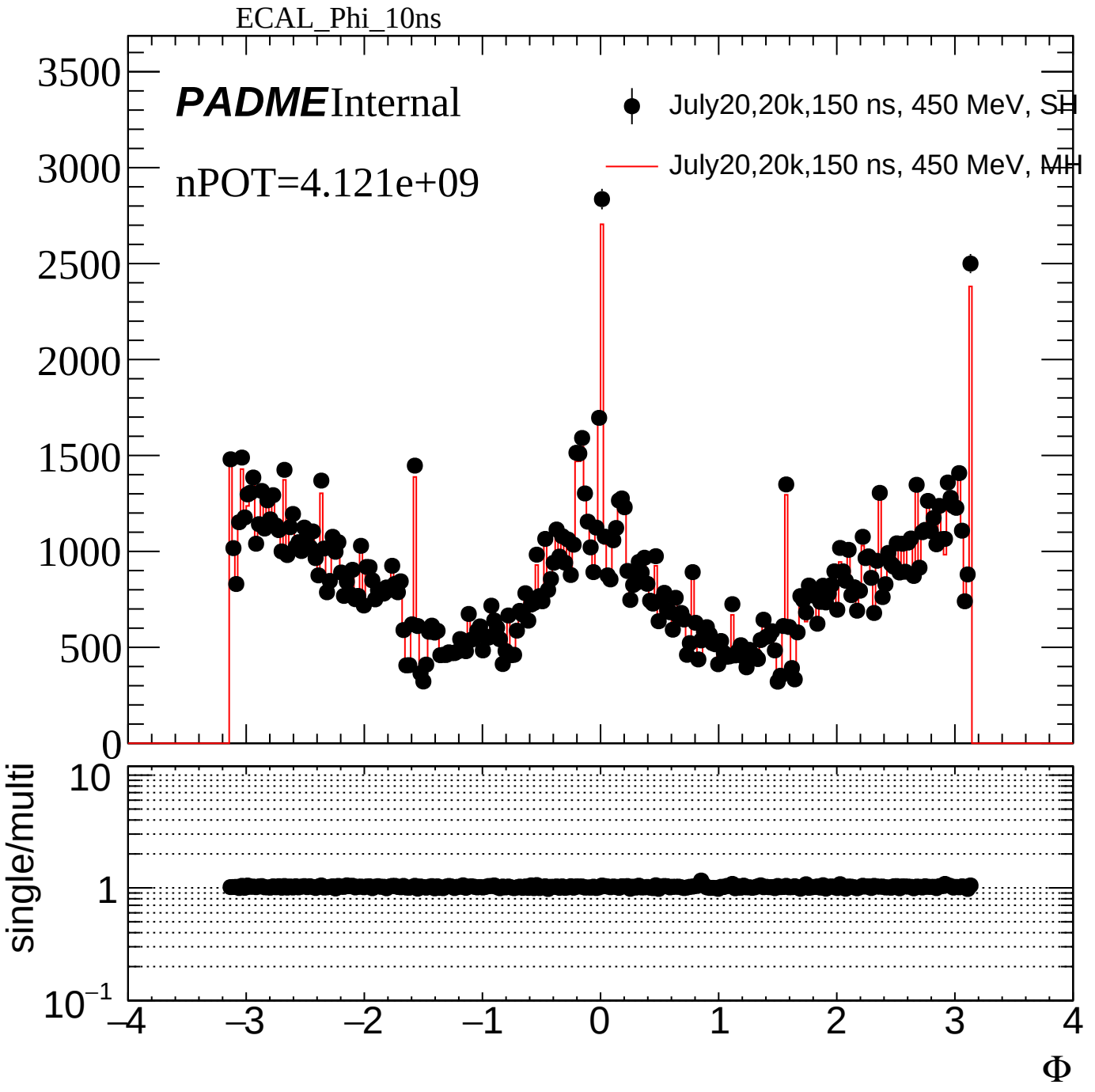

ECAL_ThetaG1_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Θ

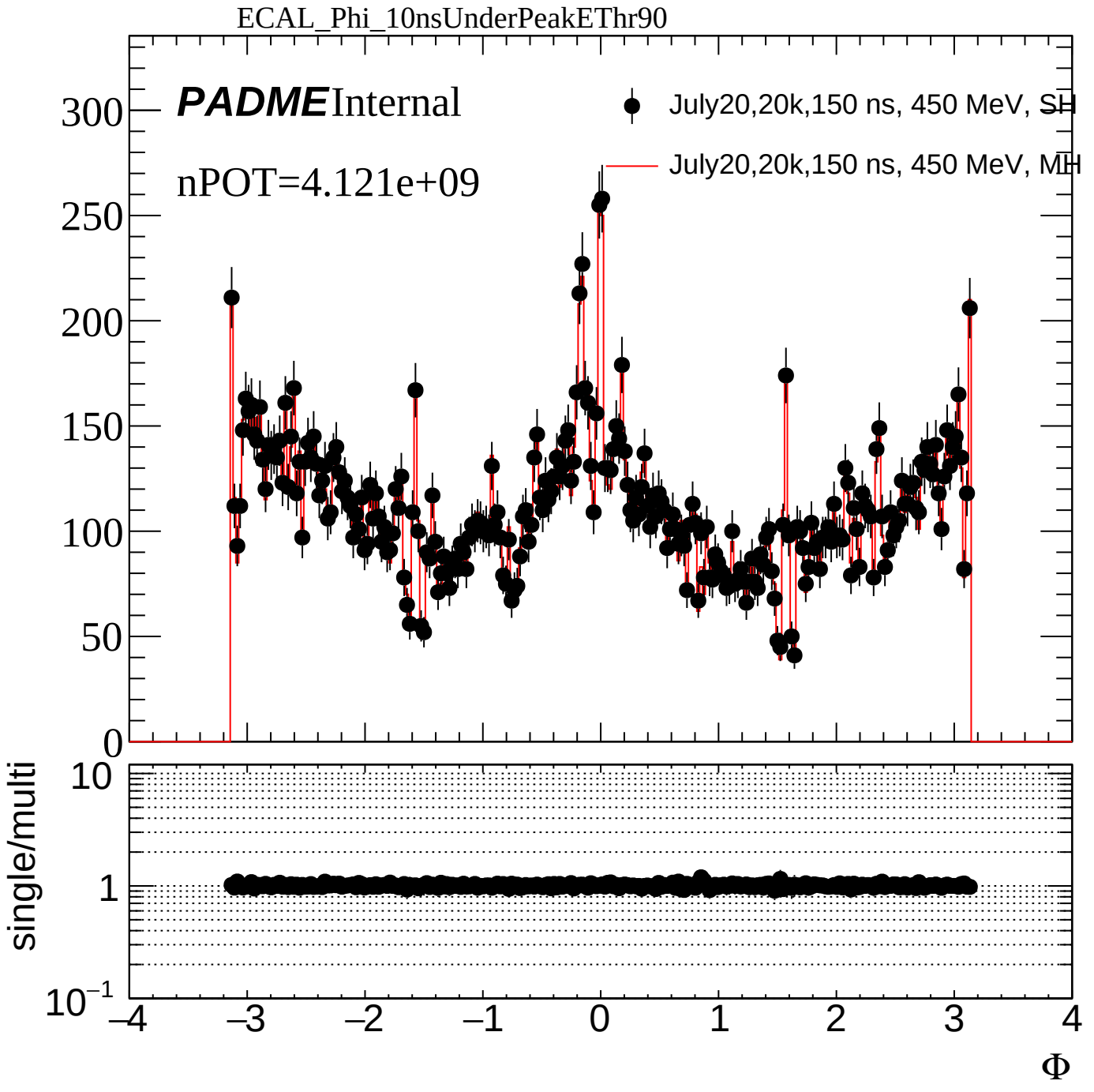

ECAL_ThetaG2_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Θ

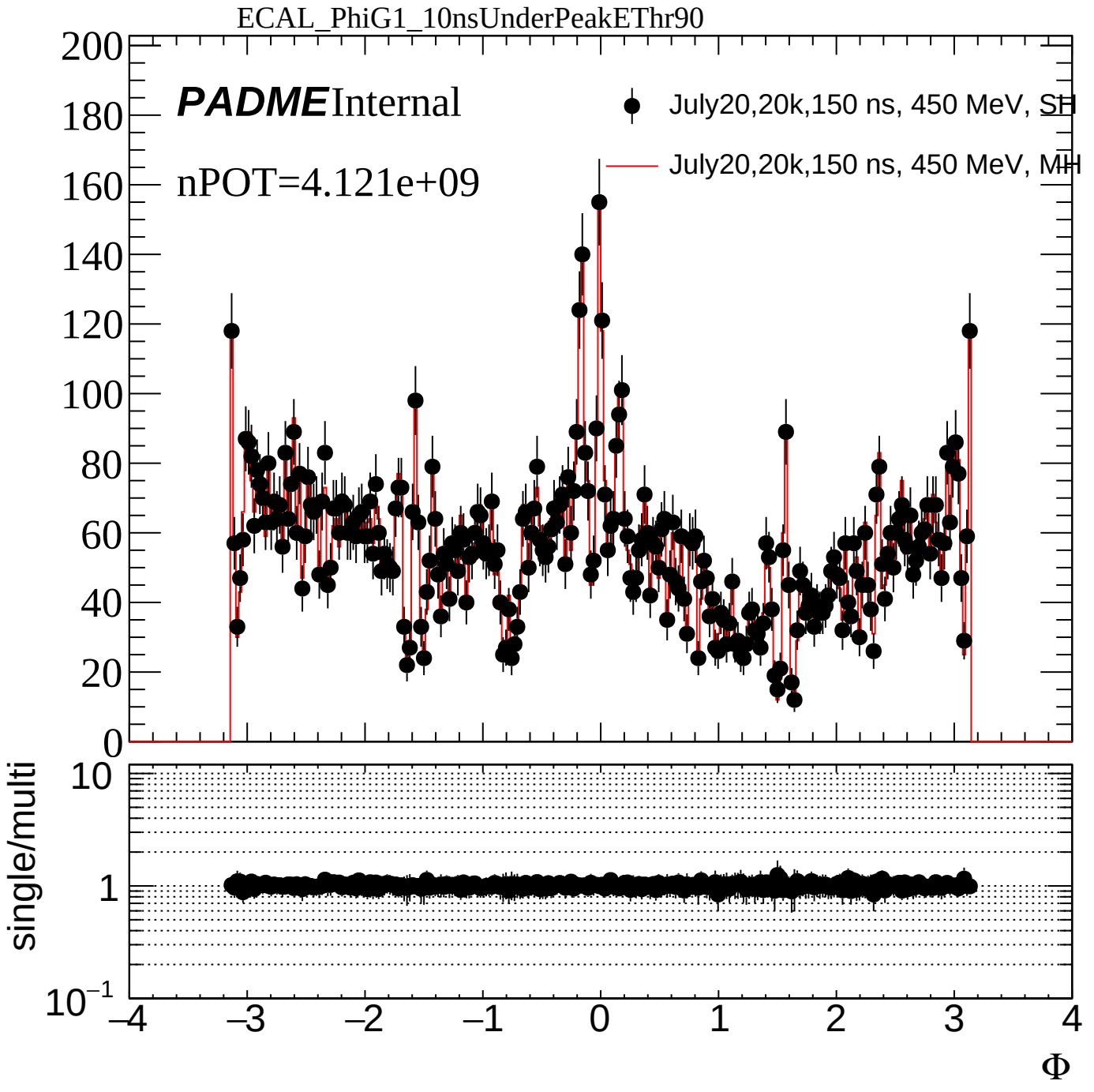

ECAL_DeltaTheta_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Δ Θ

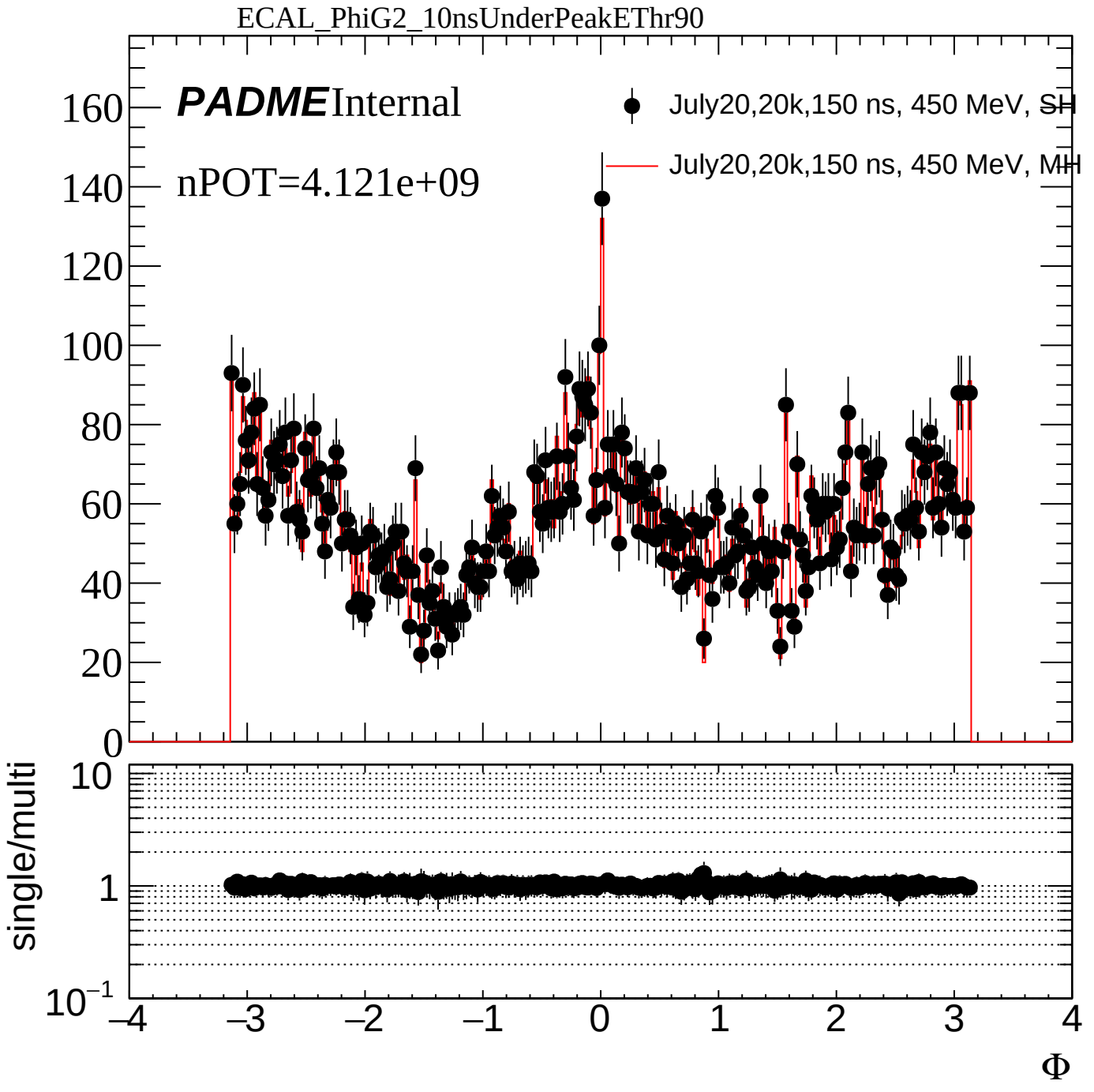

ECAL_DeltaTheta_10nsDeltaPhi20
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Δ Θ

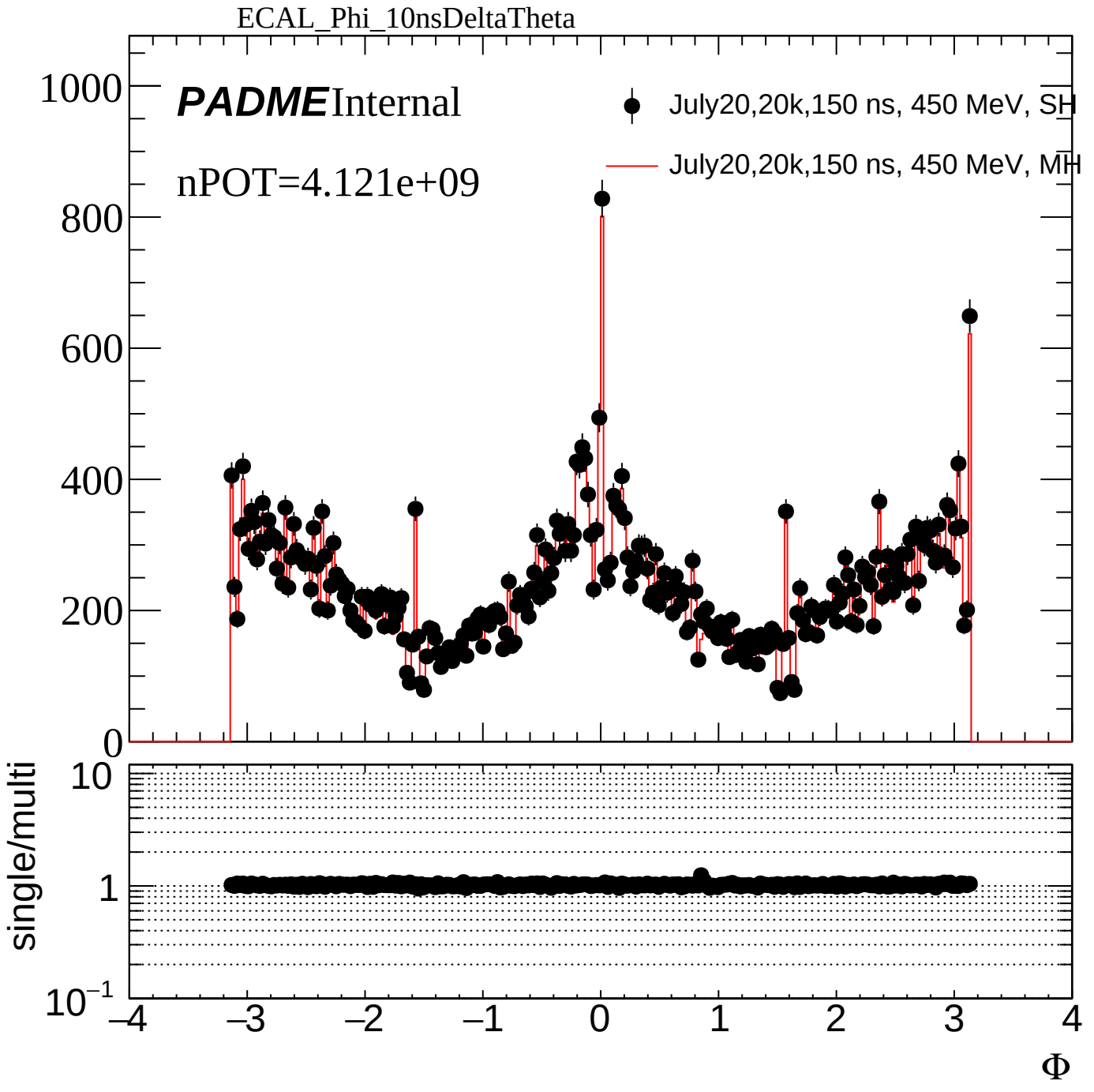

ECAL_DeltaTheta_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
800
700
600
500
400
300
200
100
0
single/multi
10
1
10^{-1}
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
Δ Θ

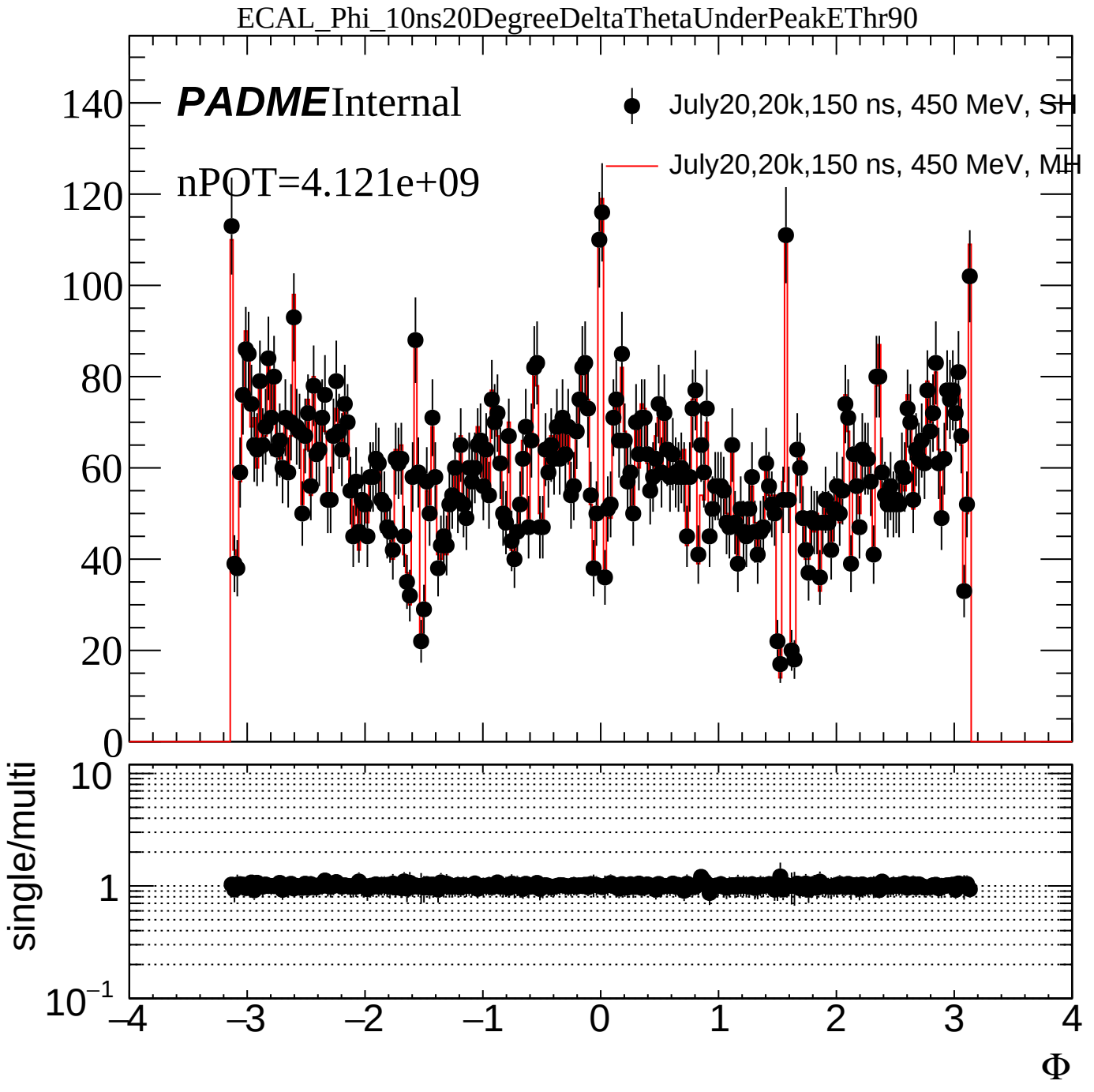

ECAL_Phi_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
3500
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
–4
–3
–2
–1
0
1
2
3
4
Φ

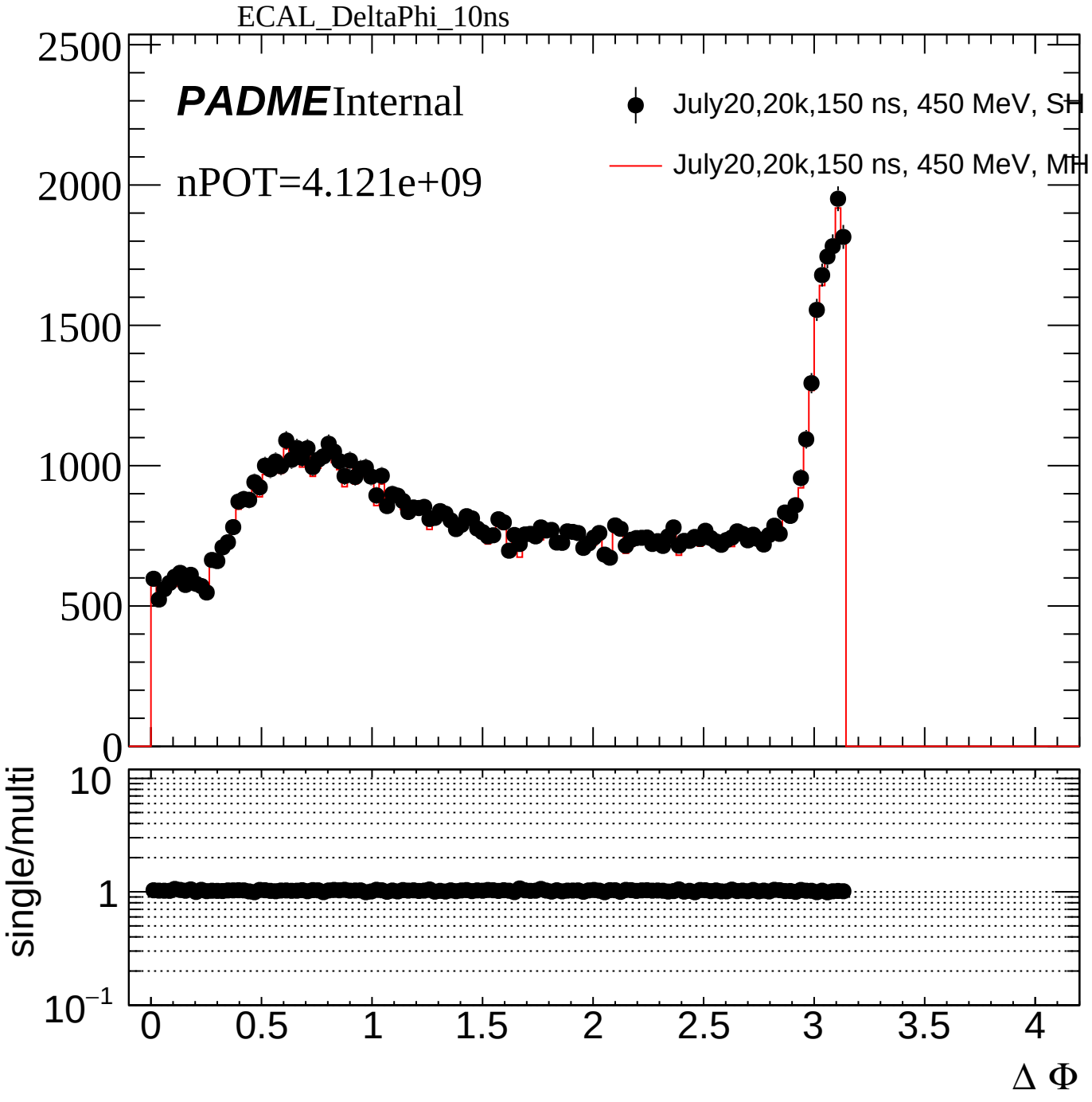

ECAL_Phi_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
300
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–4
–3
–2
–1
0
1
2
3
4
Φ

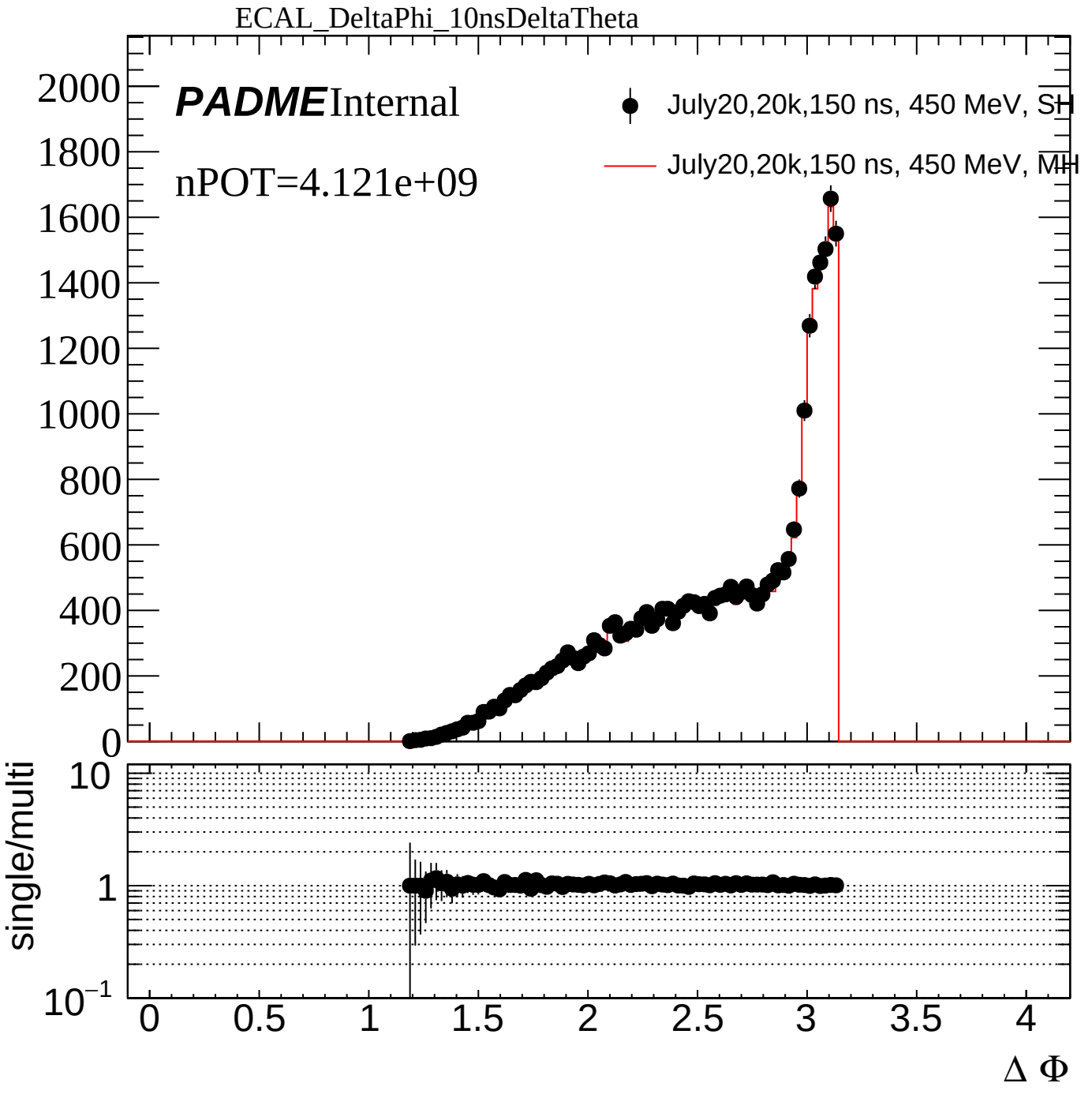

ECAL_PhiG1_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
–4
–3
–2
–1
0
1
2
3
4
Φ

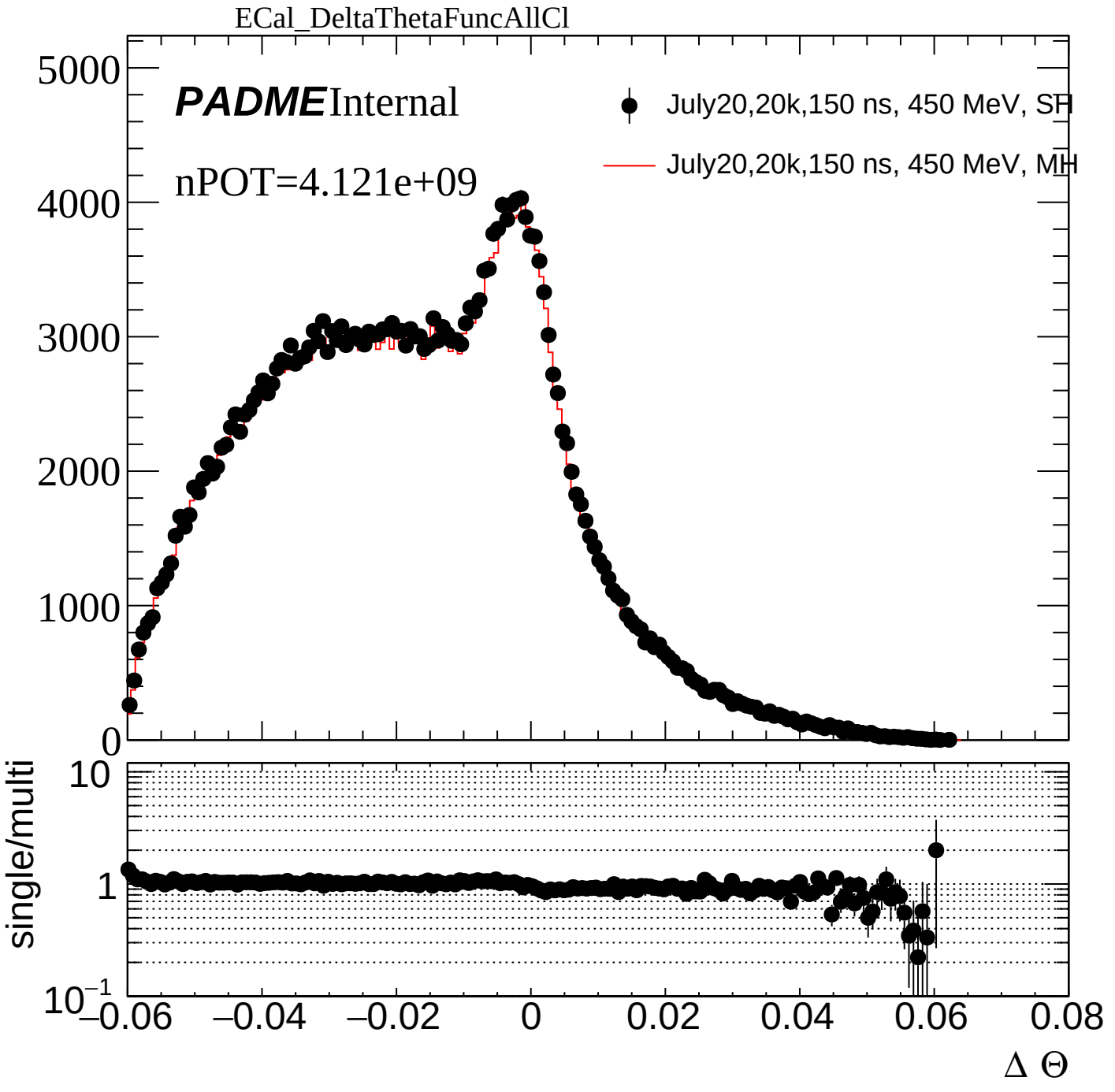

ECAL_PhiG2_10nsUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
–4
–3
–2
–1
0
1
2
3
4
Φ

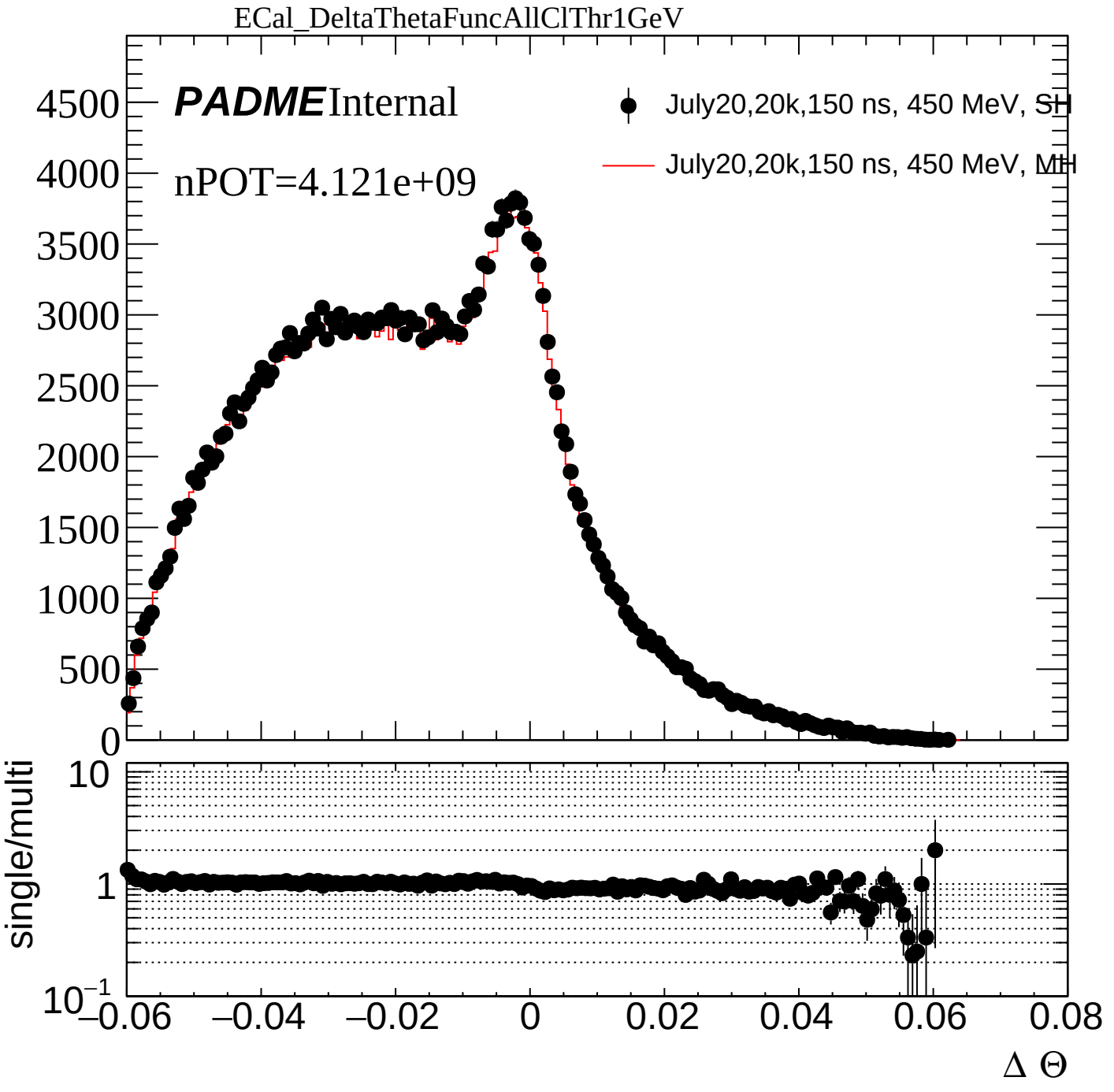

ECAL_Phi_10nsDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–4
–3
–2
–1
0
1
2
3
4
Φ

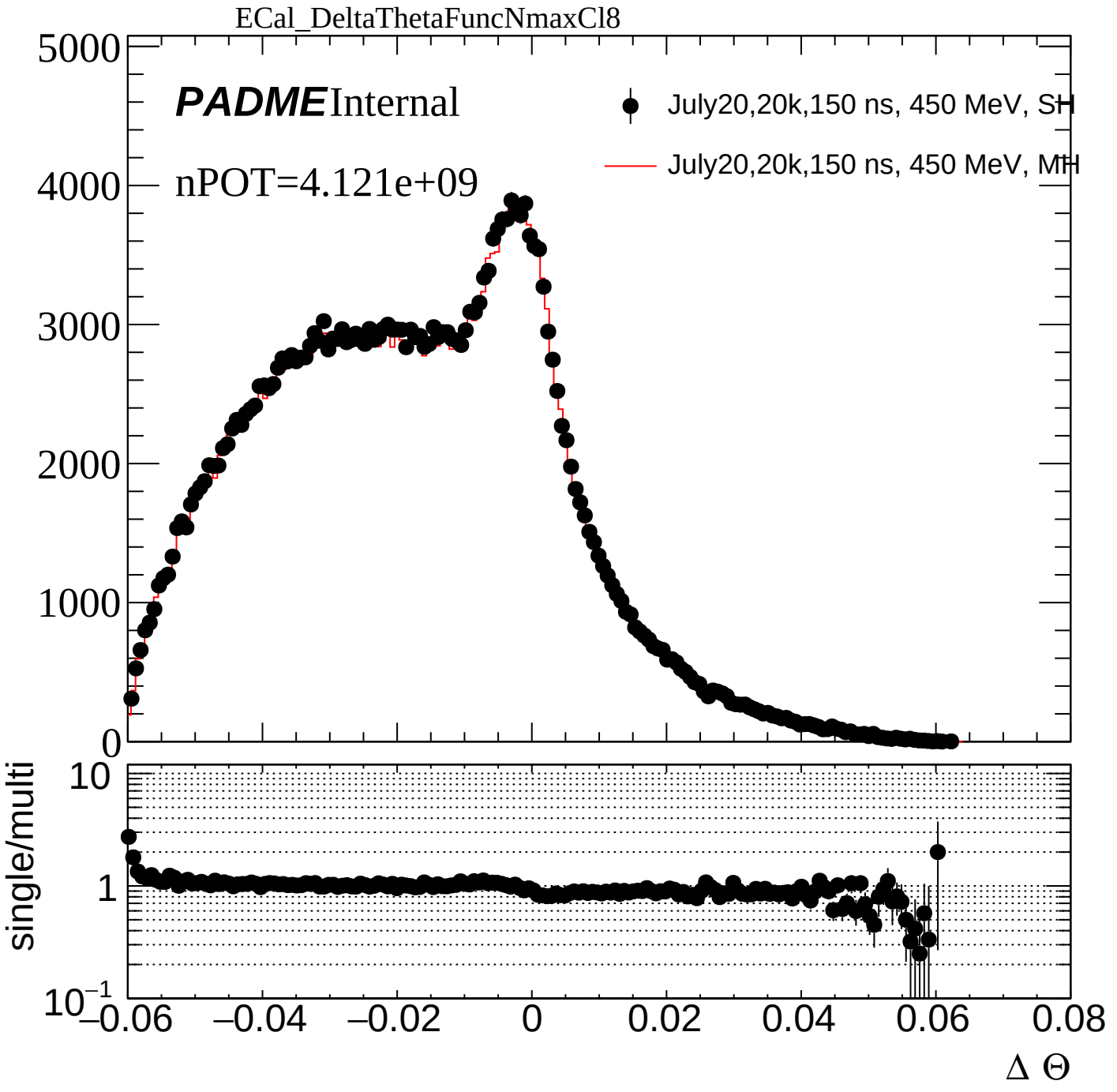

ECAL_Phi_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
140
120
100
80
60
40
20
0
single/multi
10
1
10^{-1}
–4
–3
–2
–1
0
1
2
3
4
Φ

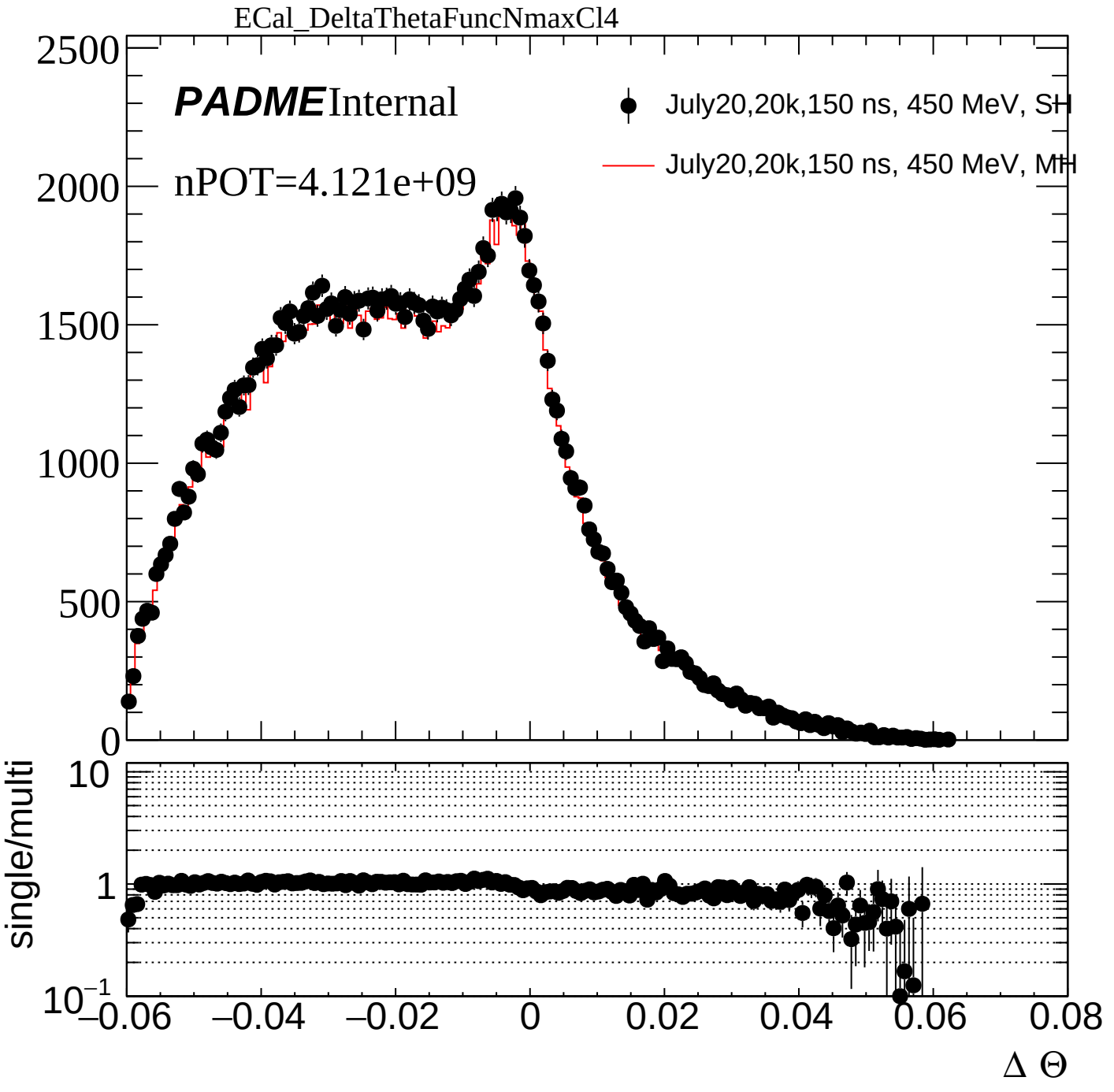

ECAL_DeltaPhi_10ns
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
0
0.5
1
1.5
2
2.5
3
3.5
4
Δ Φ

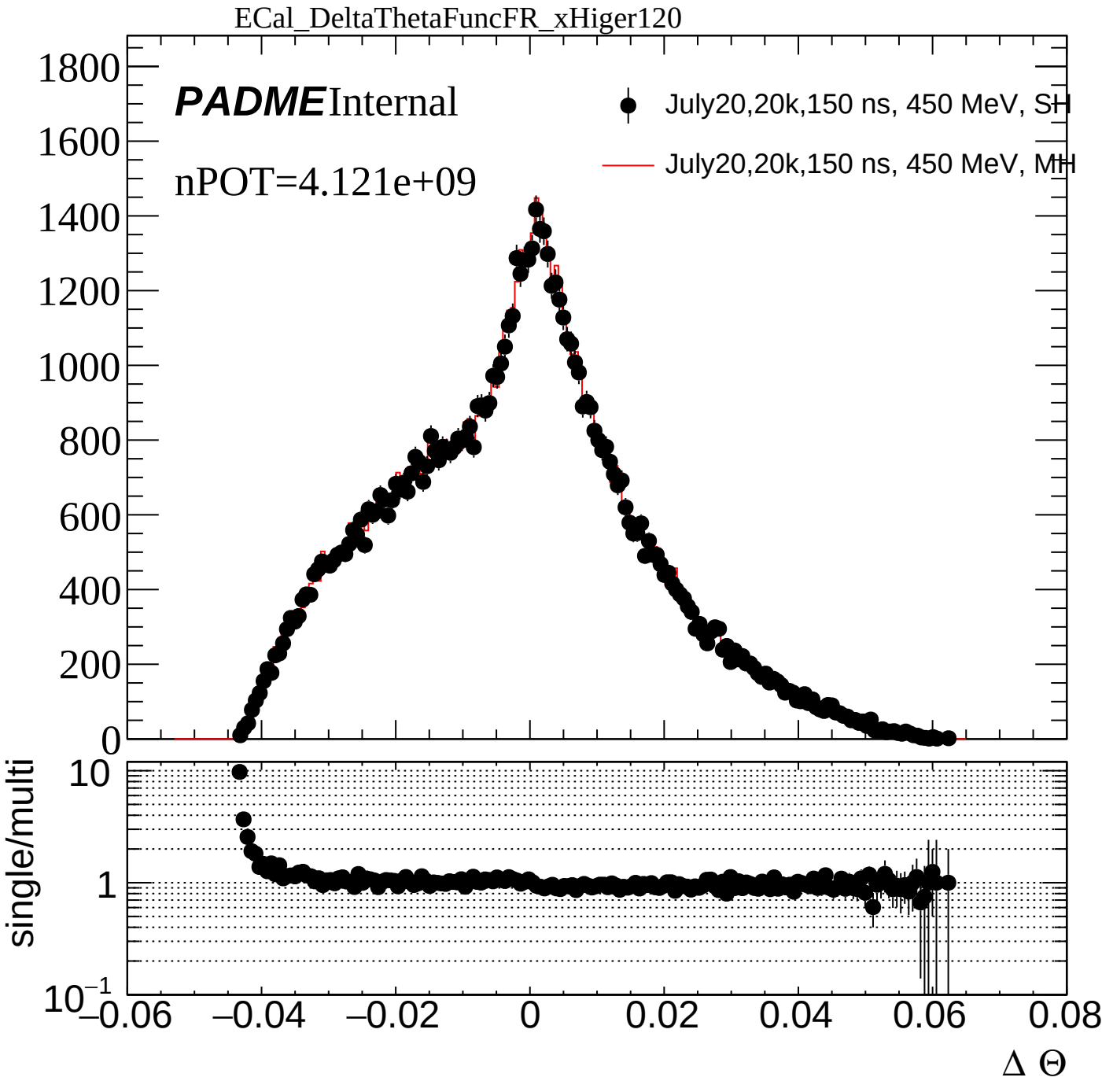

ECAL_DeltaPhi_10nsDeltaTheta
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2000
1800
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
0
0.5
1
1.5
2
2.5
3
3.5
4
Δ Φ

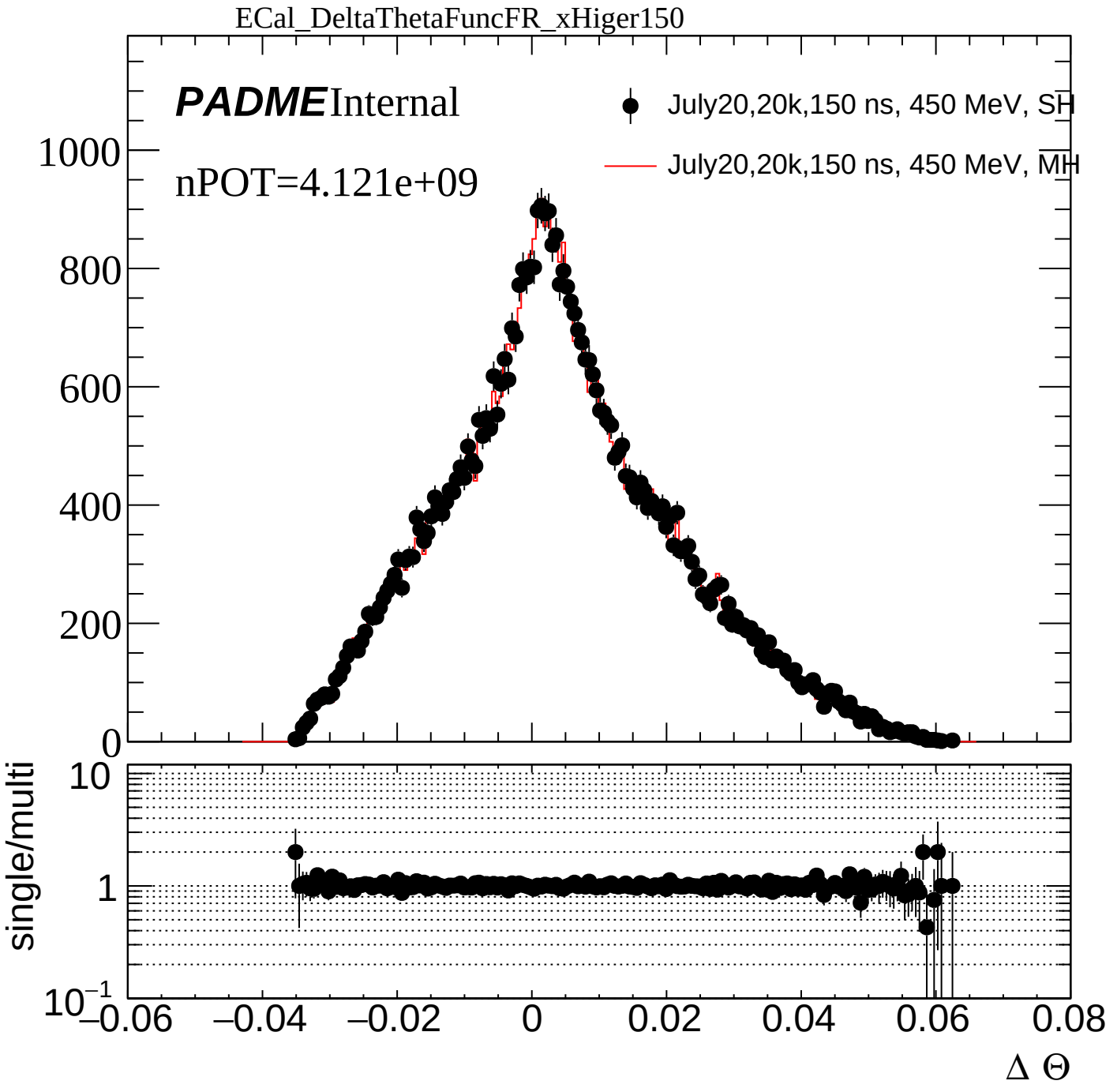

ECal_DeltaThetaFuncAllCl
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
5000
4000
3000
2000
1000
0
single/multi
10
1
10^{-1}
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

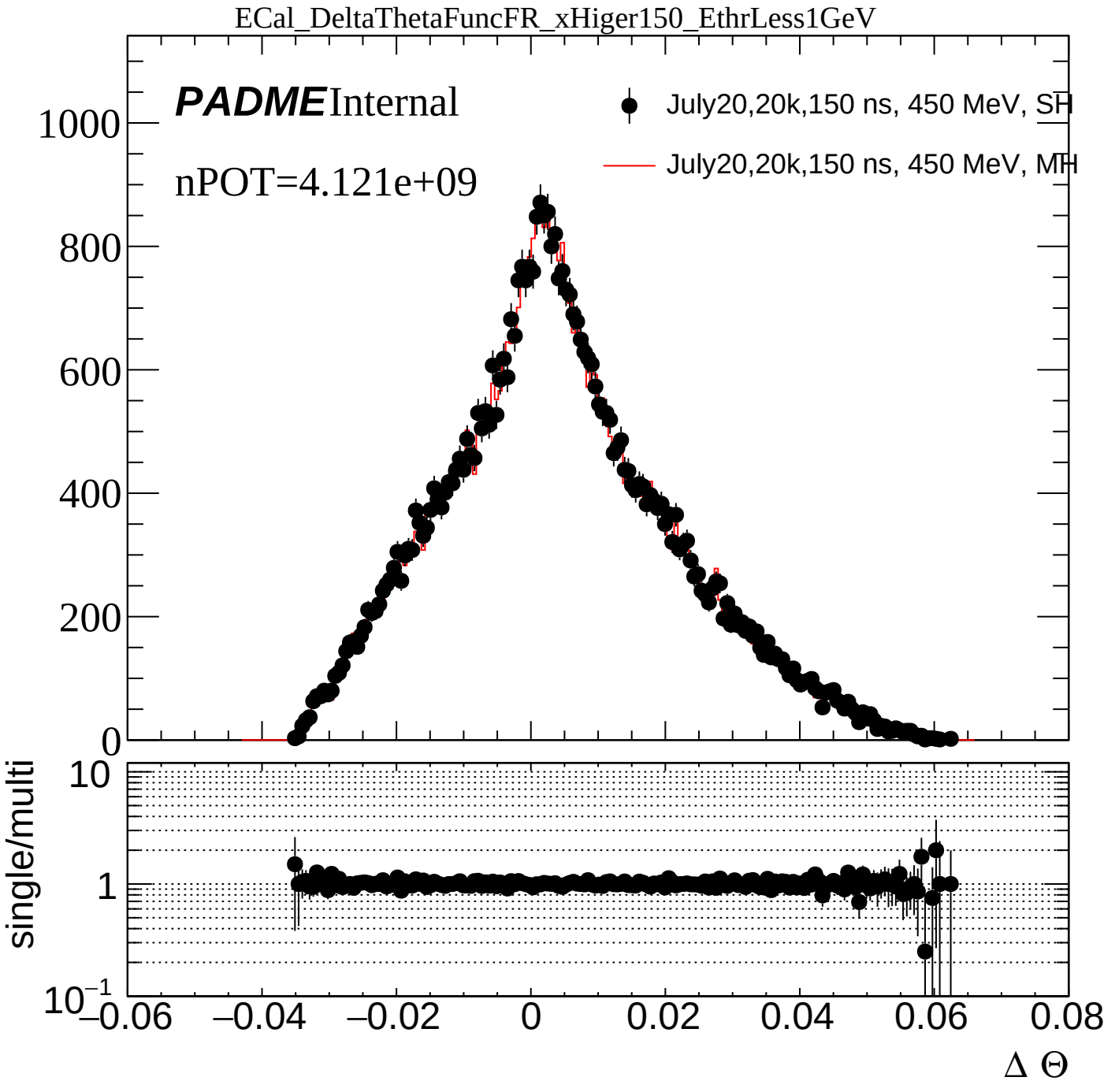

ECal_DeltaThetaFuncAllClThr1GeV
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
4500
4000
3500
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^-1
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

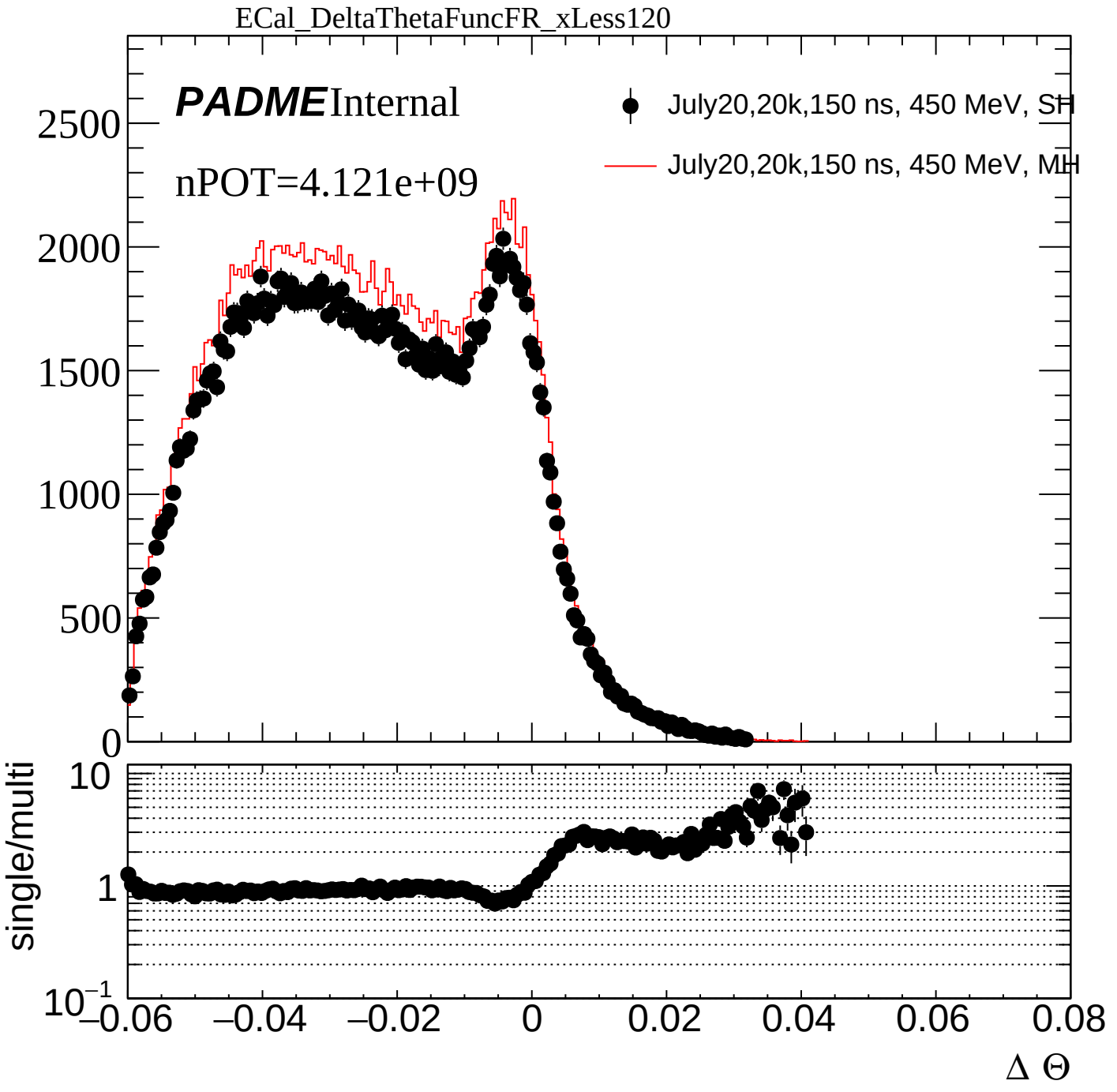

ECal_DeltaThetaFuncNmaxCl8
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
5000
4000
3000
2000
1000
0
single/multi
10
1
10^-1
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

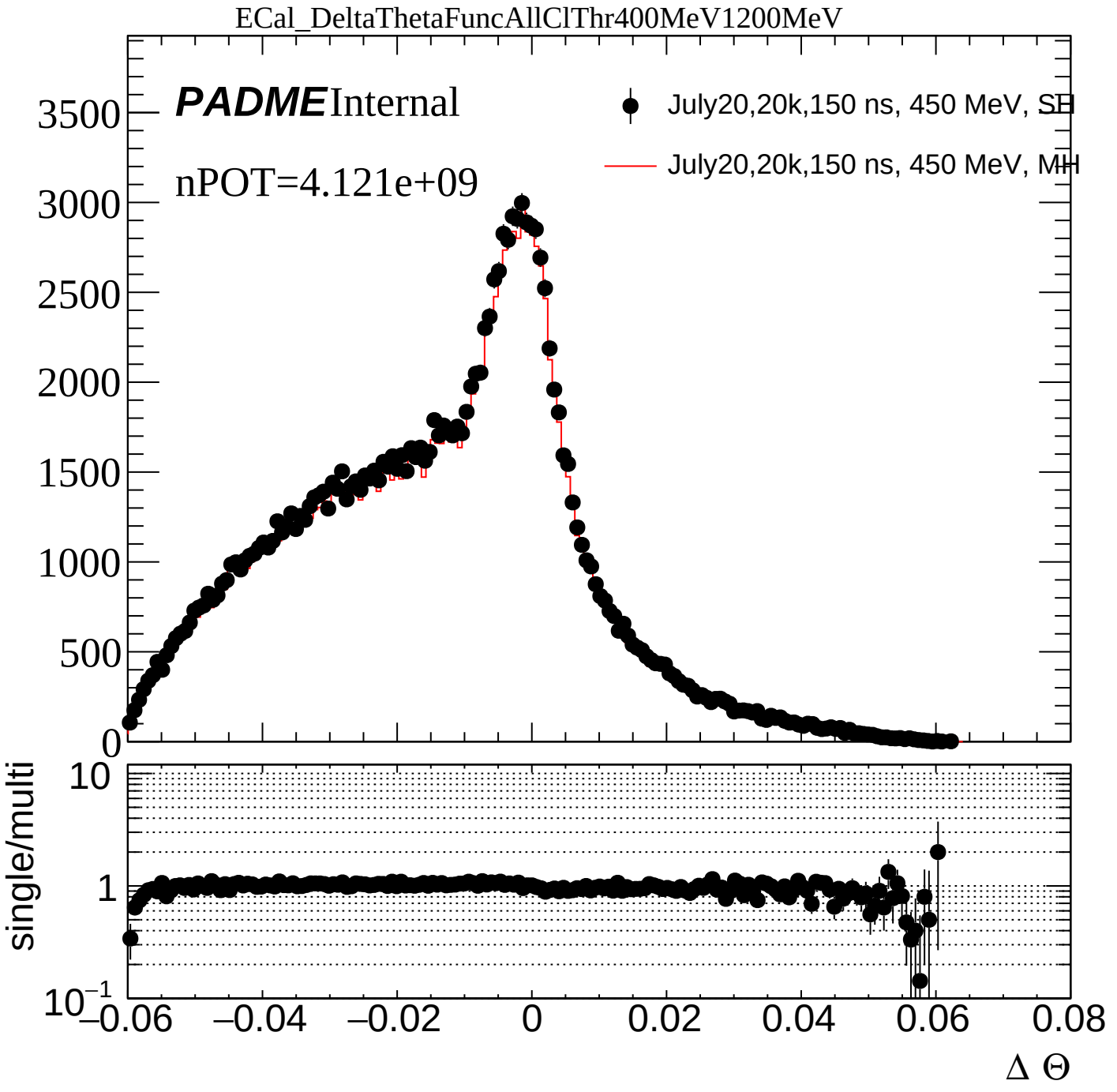

ECal_DeltaThetaFuncNmaxCl4
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

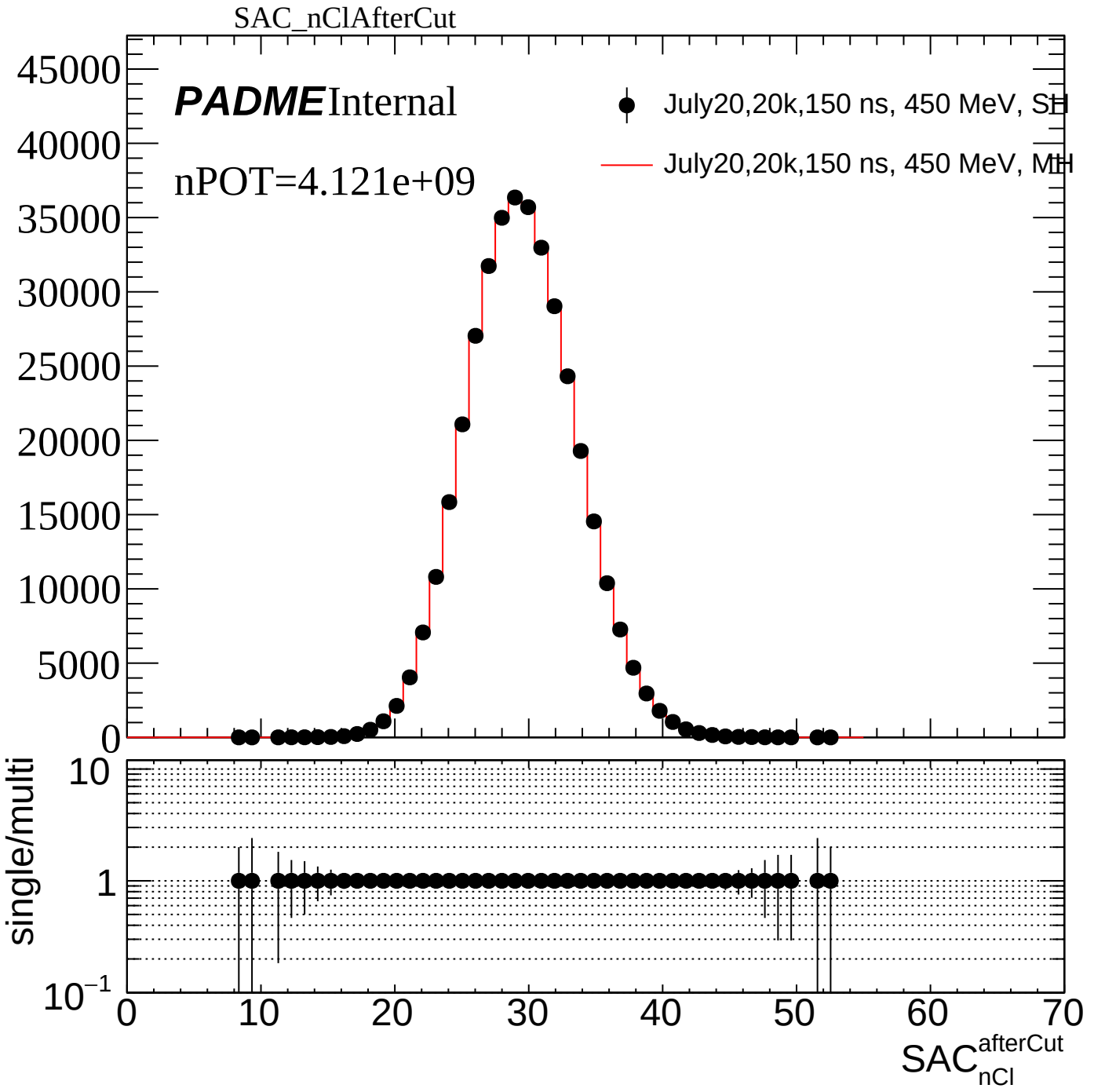

ECal_DeltaThetaFuncFR_xHiger120
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1800
1600
1400
1200
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

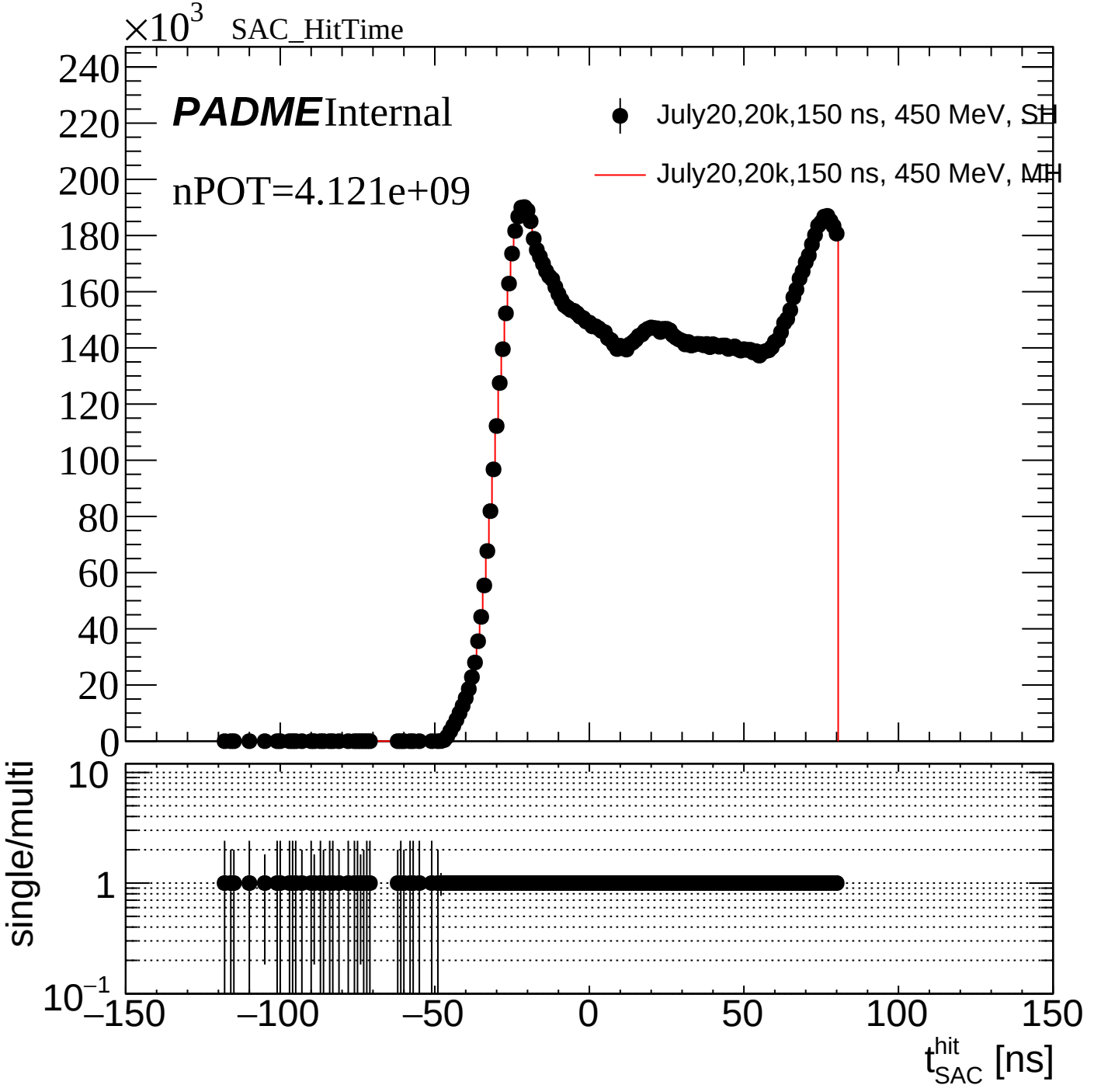

ECal_DeltaThetaFuncFR_xHiger150
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^{-1}
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

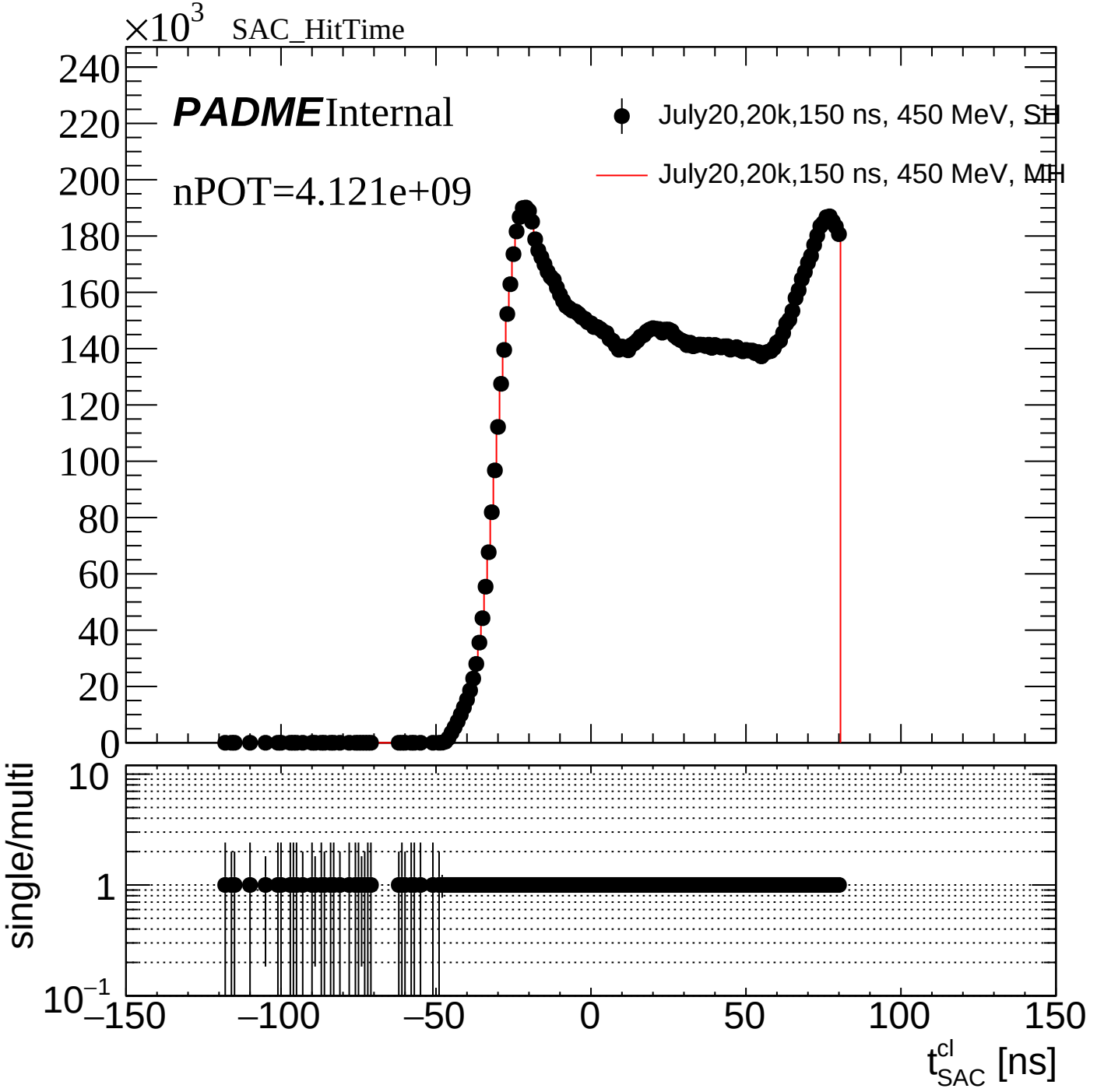

ECal_DeltaThetaFuncFR_xHiger150_EthrLess1GeV
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

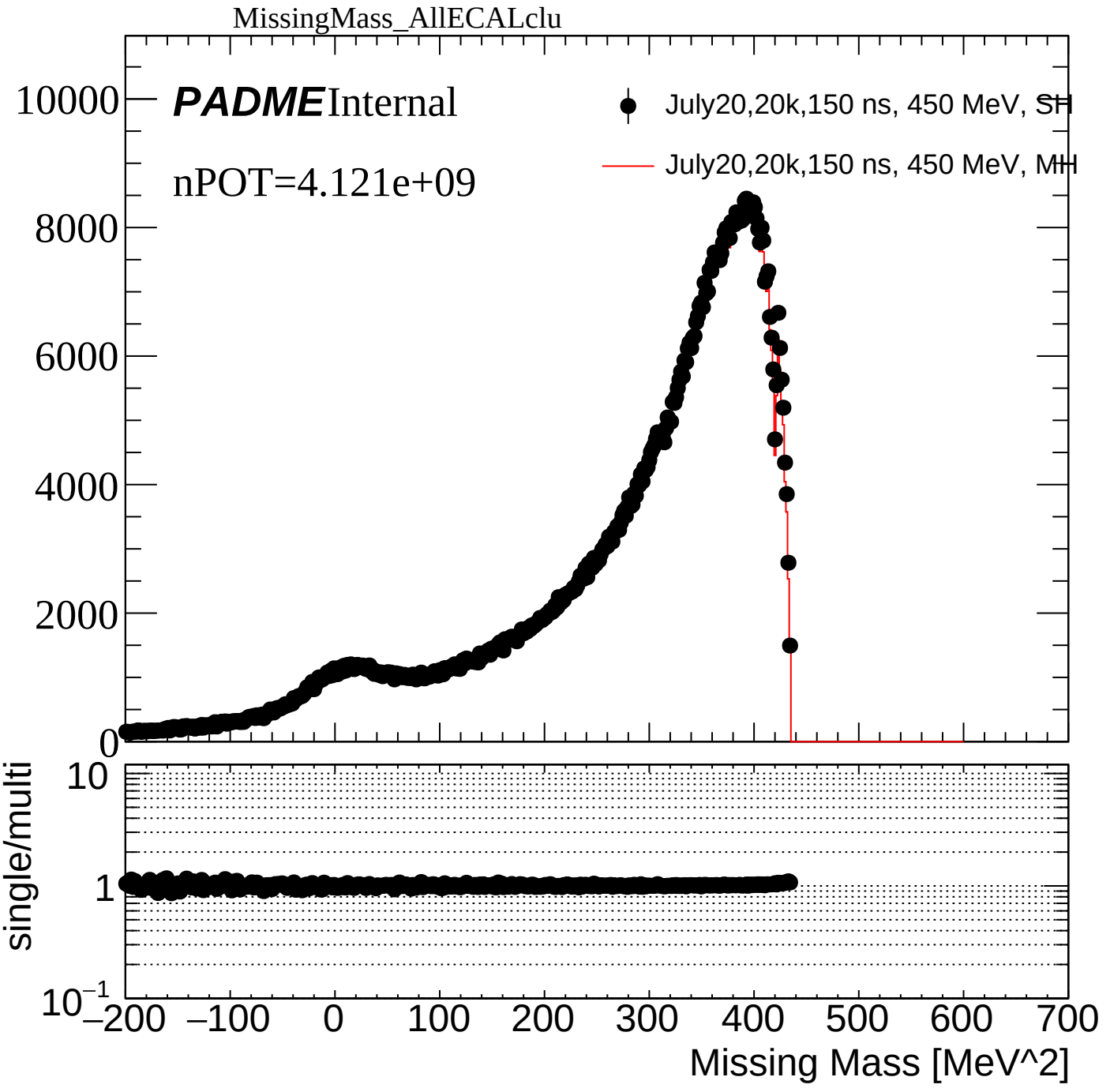

ECal_DeltaThetaFuncFR_xLess120
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2500
2000
1500
1000
500
0
single/multi
10
1
10^-1
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

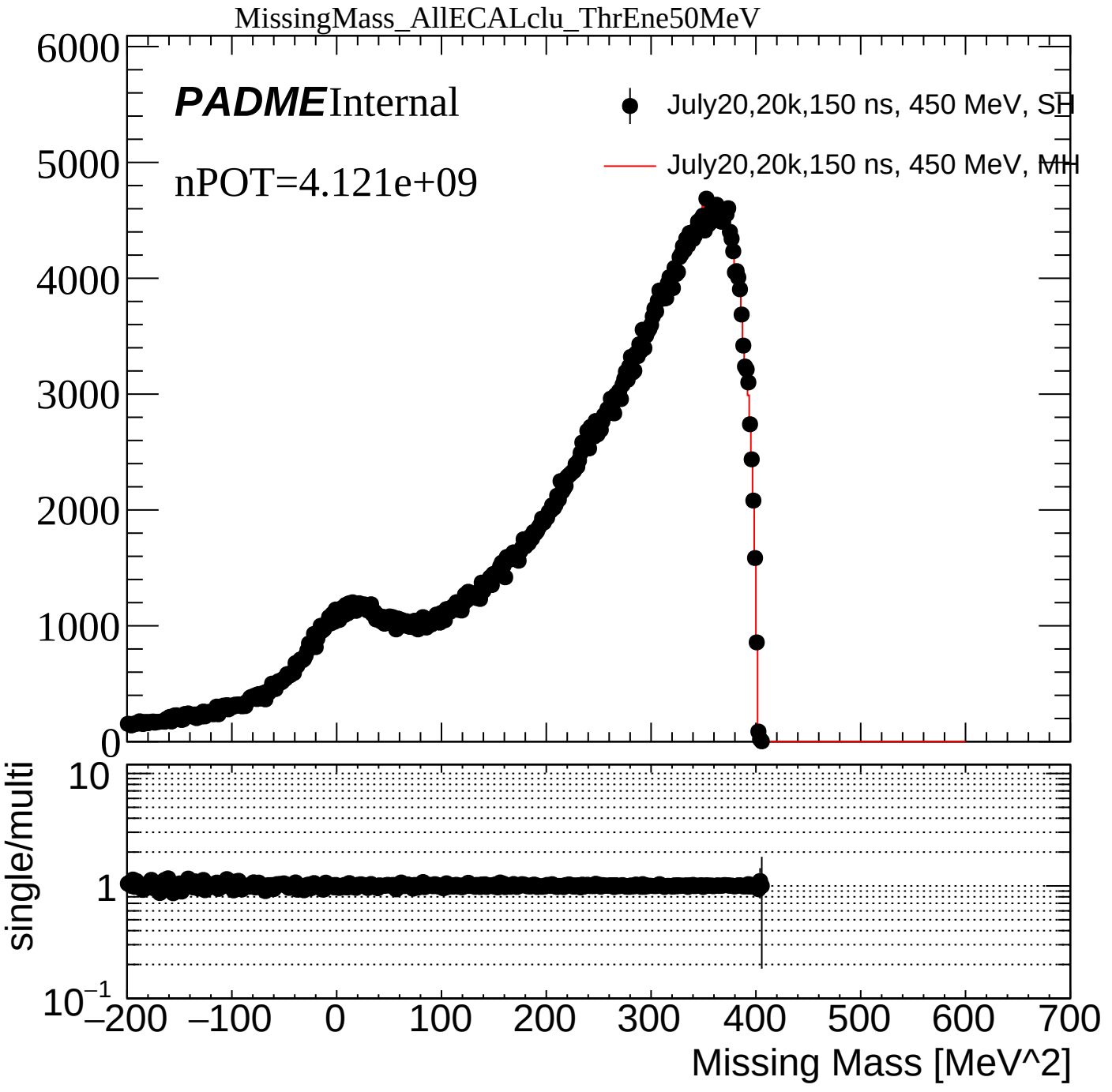

ECal_DeltaThetaFuncAllClThr400MeV1200MeV
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
3500
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^-1
–0.06
–0.04
–0.02
0
0.02
0.04
0.06
0.08
Δ Θ

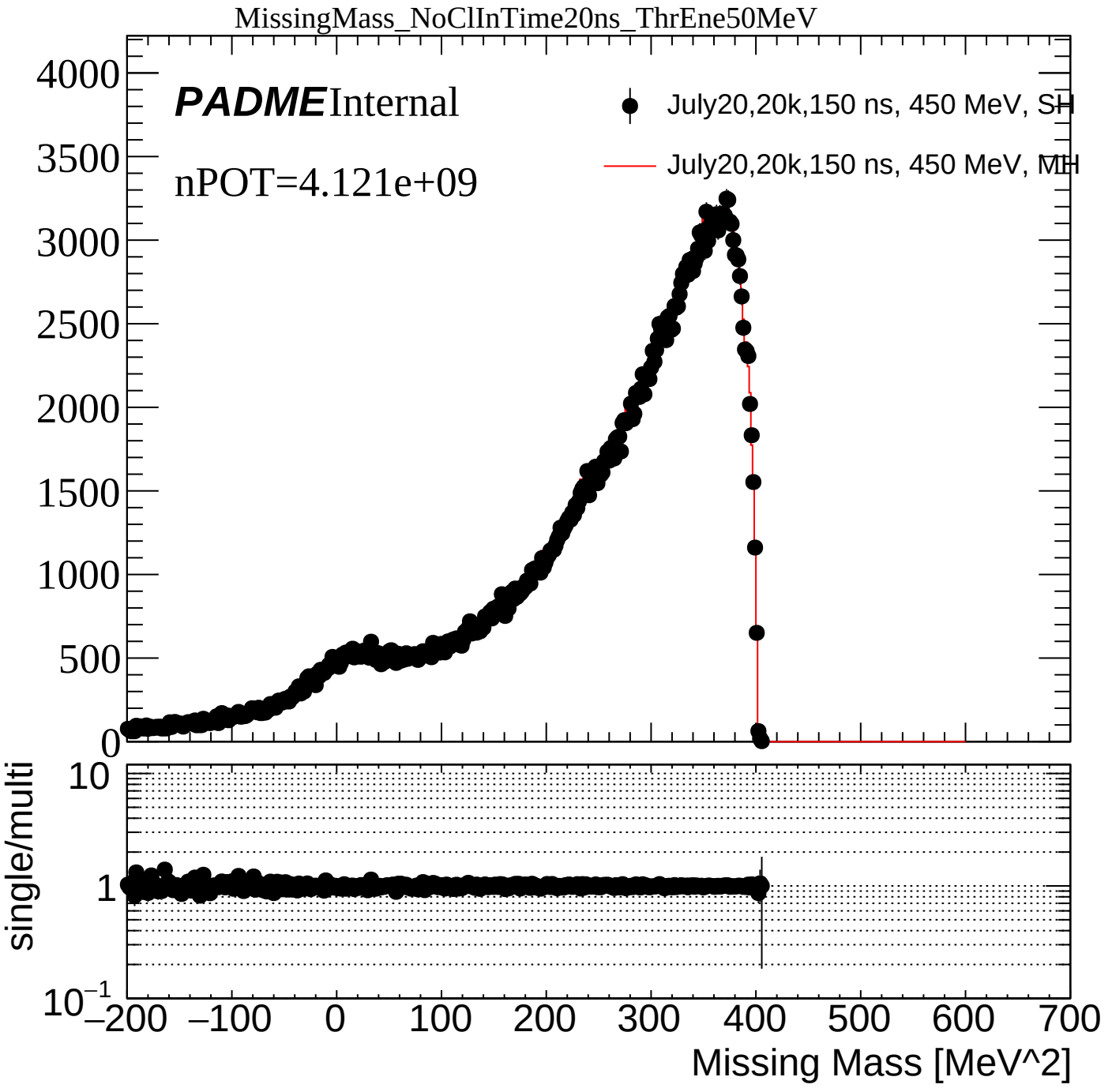

SAC_nClAfterCut
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
single/multi
10
1
10^{-1}
0
10
20
30
40
50
60
70
$SAC_{nCl}^{afterCut}$

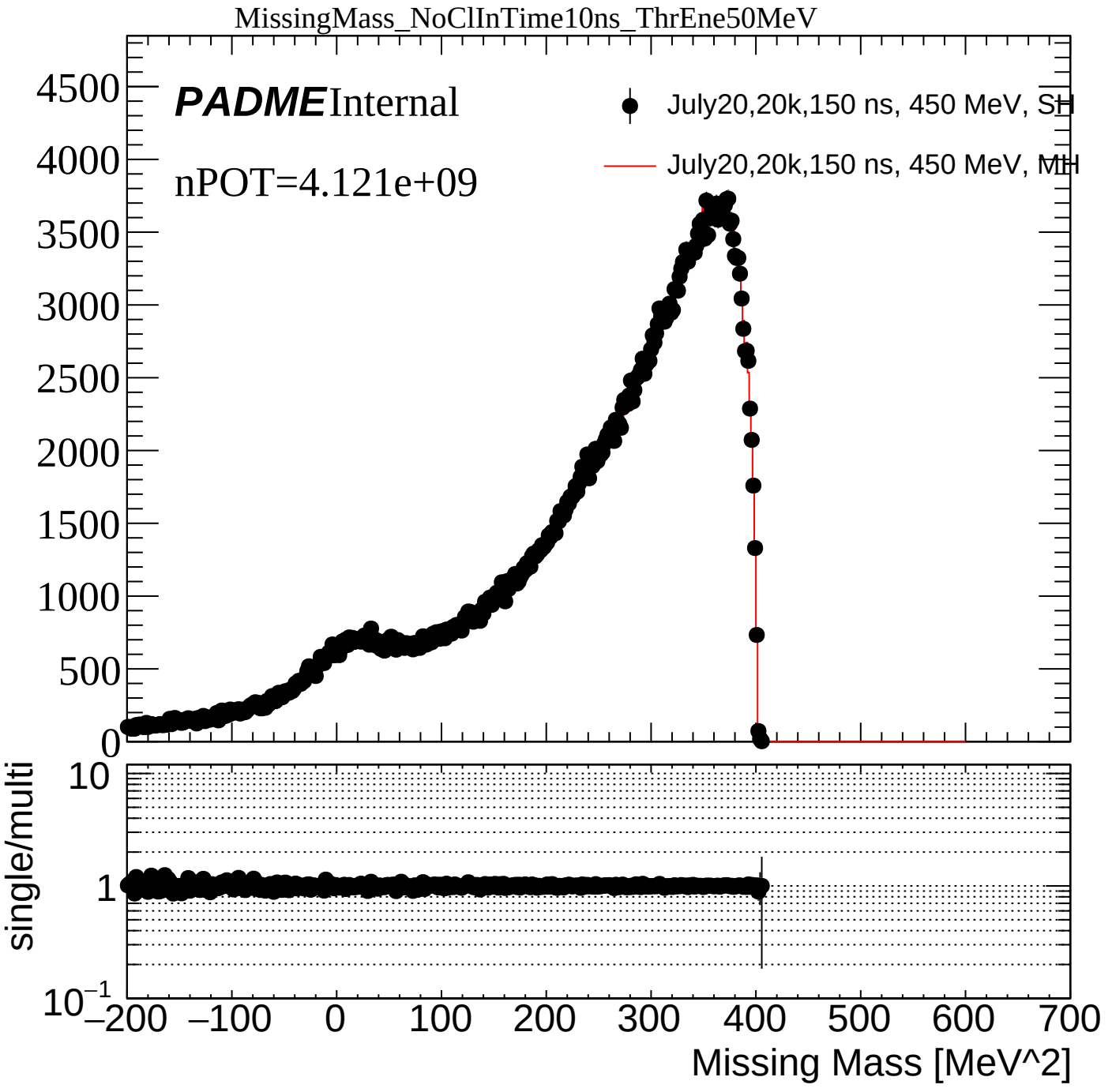

×10^3 SAC_HitTime
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
240
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^−1
–150
–100
–50
0
50
100
150
t^hit_SAC [ns]

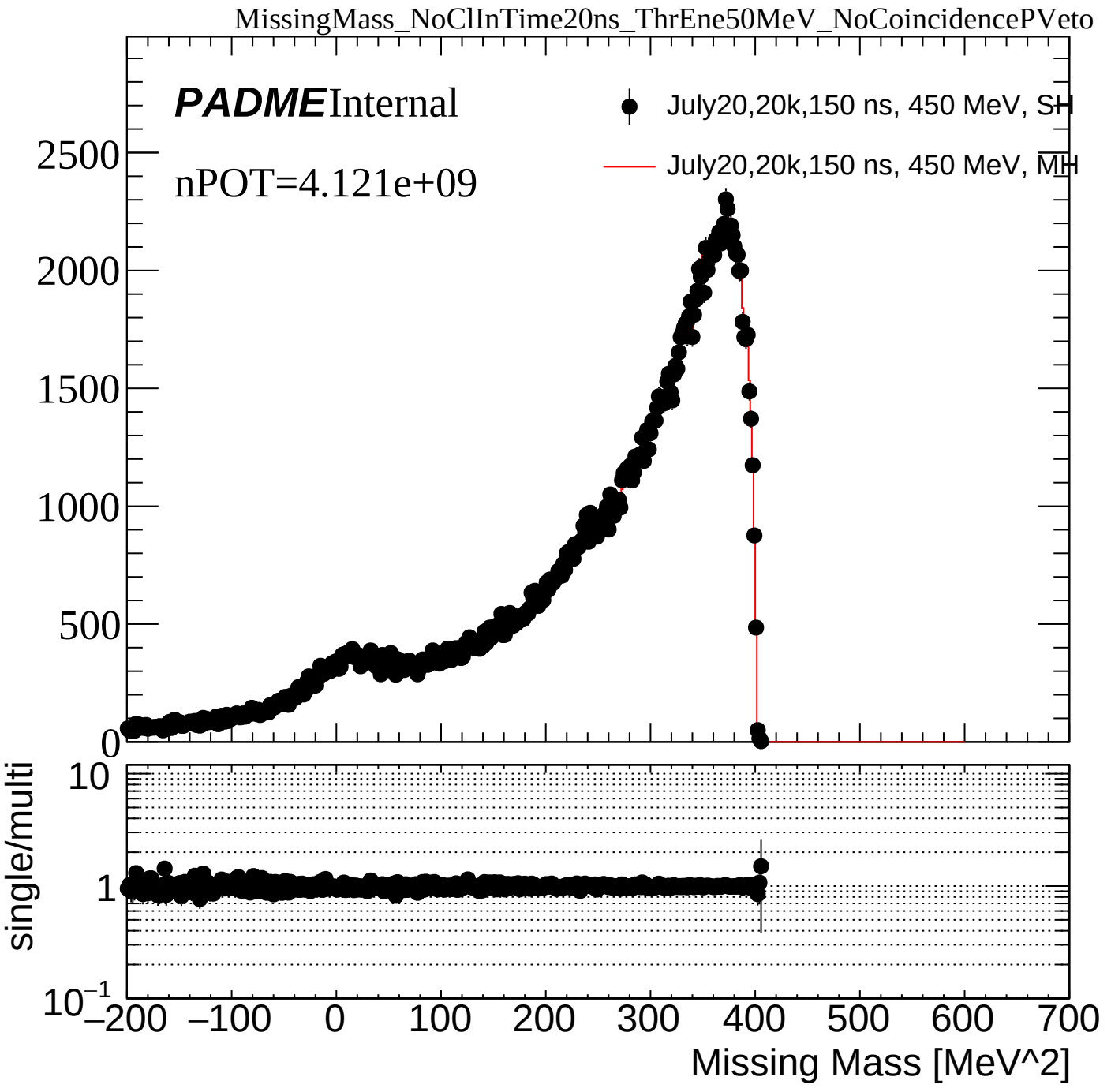

×10^3 SAC_HitTime
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
240
220
200
180
160
140
120
100
80
60
40
20
0
single/multi
10
1
10^−1
–150
–100
–50
0
50
100
150
t^cl_SAC [ns]

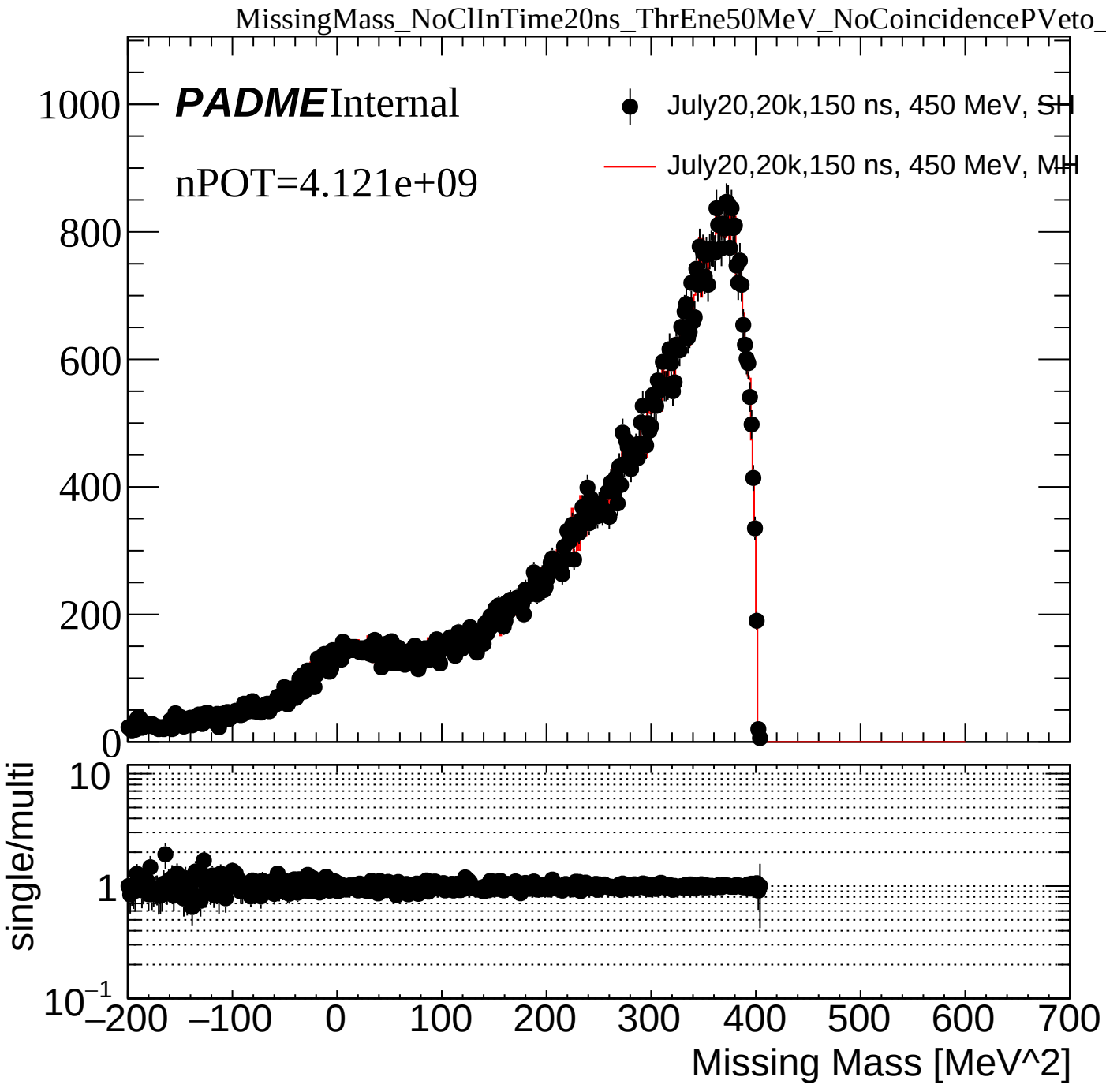

MissingMass_AllECALclu
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
10000
8000
6000
4000
2000
0
single/multi
10
1
10^{-1}
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]

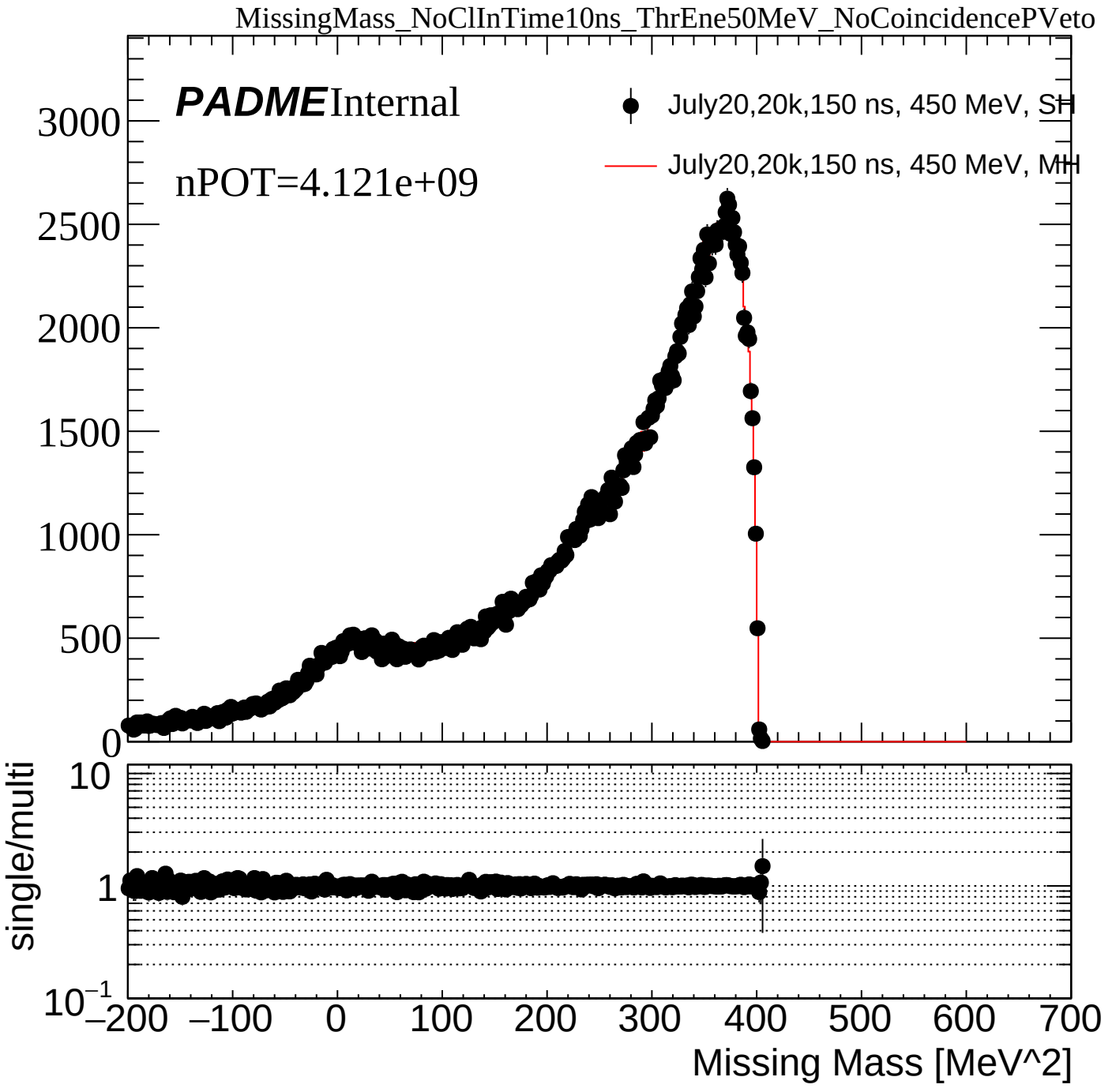

MissingMass_AllECALclu_ThrEne50MeV
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
6000
5000
4000
3000
2000
1000
0
single/multi
10
1
10^-1
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]

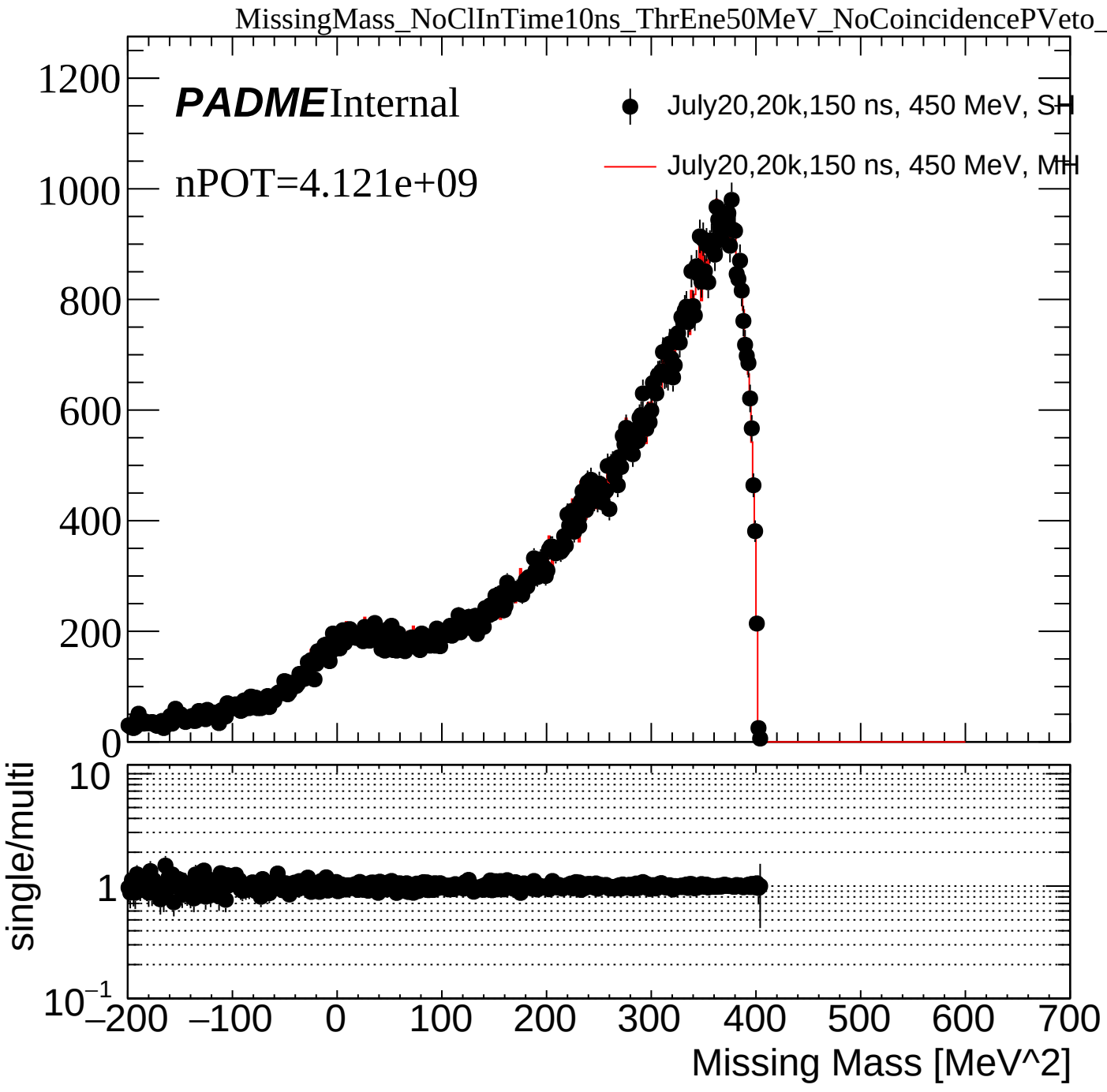

MissingMass_NoClInTime20ns_ThrEne50MeV
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
4000
3500
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^−1
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]

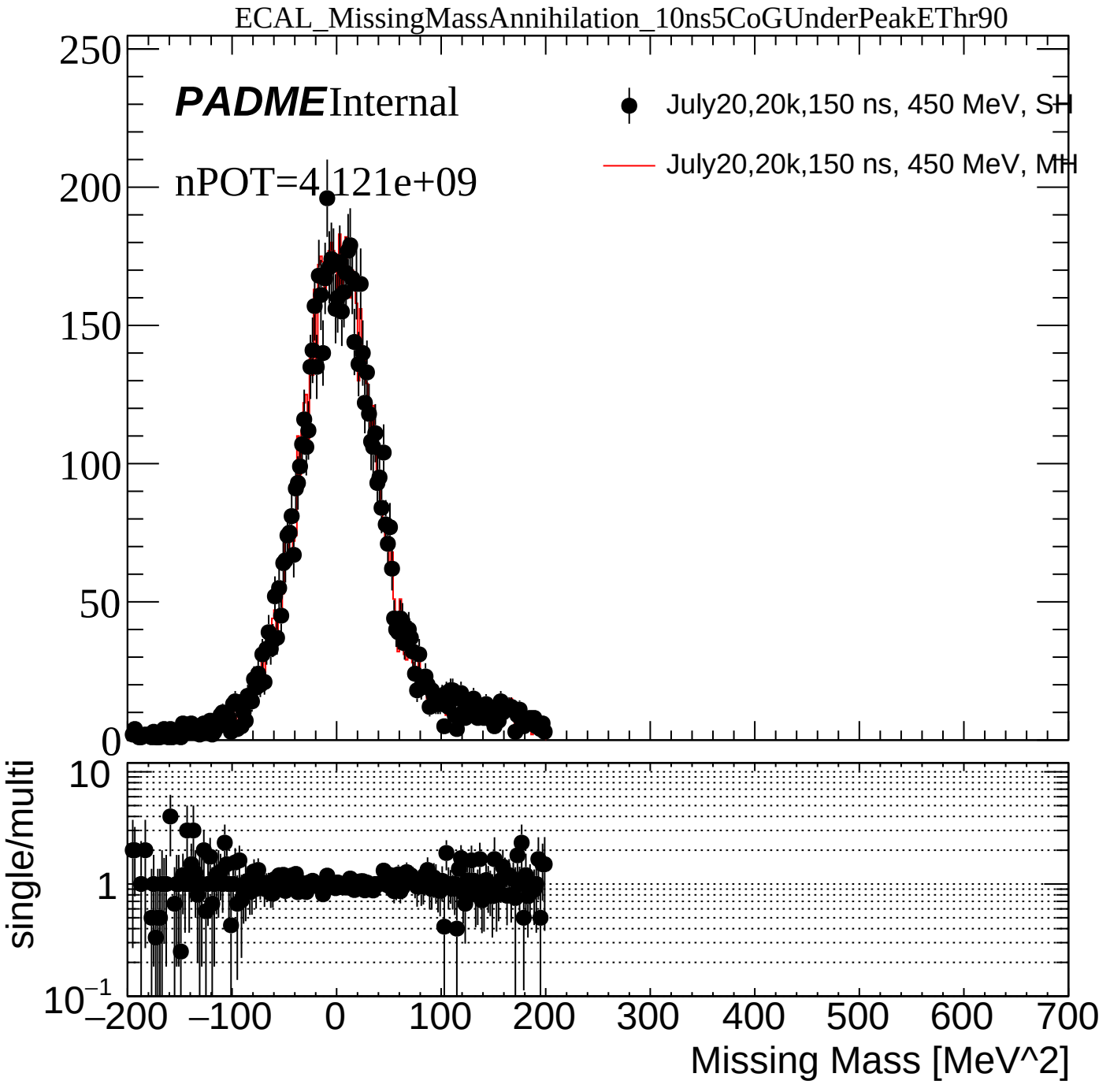

MissingMass_NoClInTime10ns_ThrEne50MeV
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
4500
4000
3500
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^{-1}
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]

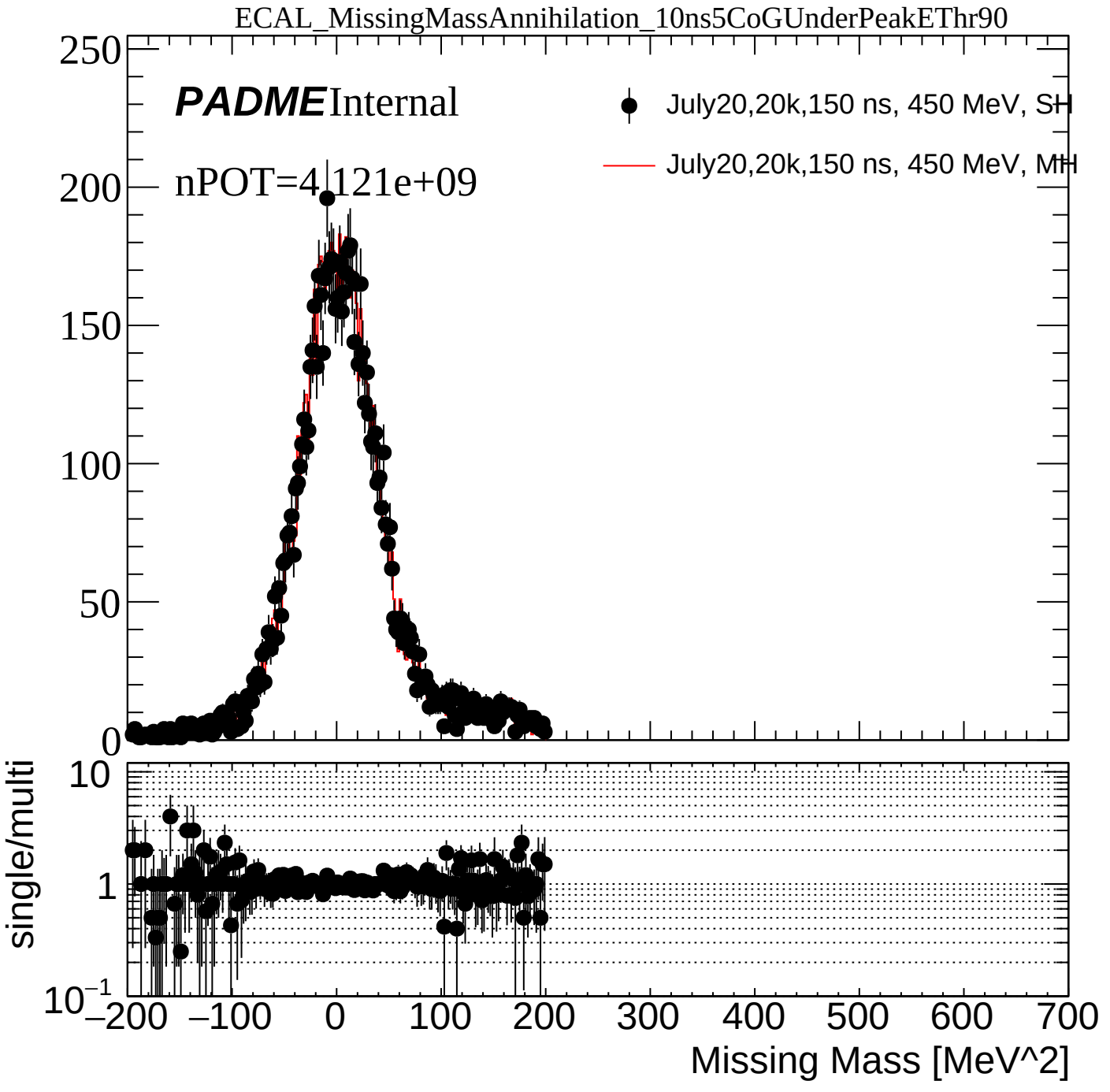

MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
2500
2000
1500
1000
500
0
single/multi
10
1
10^-1
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]


MissingMass_NoClInTime20ns_ThrEne50MeV_NoCoincidencePVeto_N
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1000
800
600
400
200
0
single/multi
10
1
10^-1
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]


MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
3000
2500
2000
1500
1000
500
0
single/multi
10
1
10^-1
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]


MissingMass_NoClInTime10ns_ThrEne50MeV_NoCoincidencePVeto_N
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
1200
1000
800
600
400
200
0
single/multi
10
1
10^-1
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]


ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]


ECAL_MissingMassAnnihilation_10ns5CoGUnderPeakEThr90
PADME Internal
nPOT=4.121e+09
July20,20k,150 ns, 450 MeV, SH
July20,20k,150 ns, 450 MeV, MH
250
200
150
100
50
0
single/multi
10
1
10^{-1}
–200
–100
0
100
200
300
400
500
600
700
Missing Mass [MeV^2]