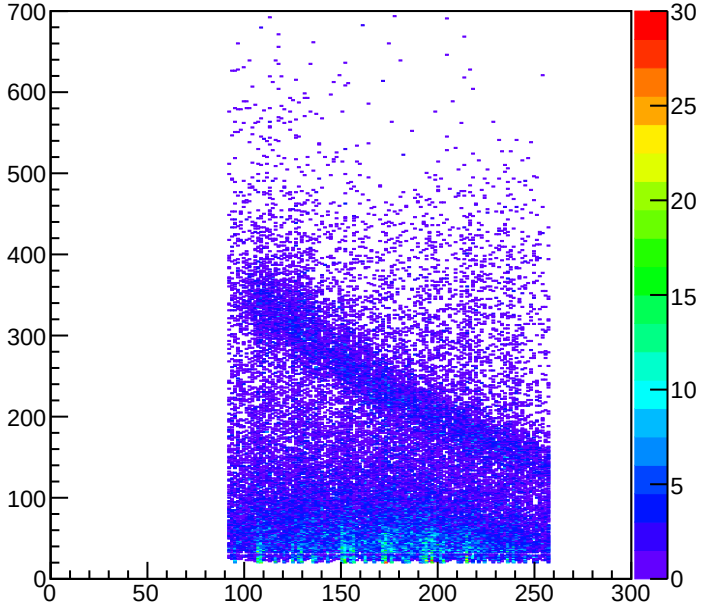
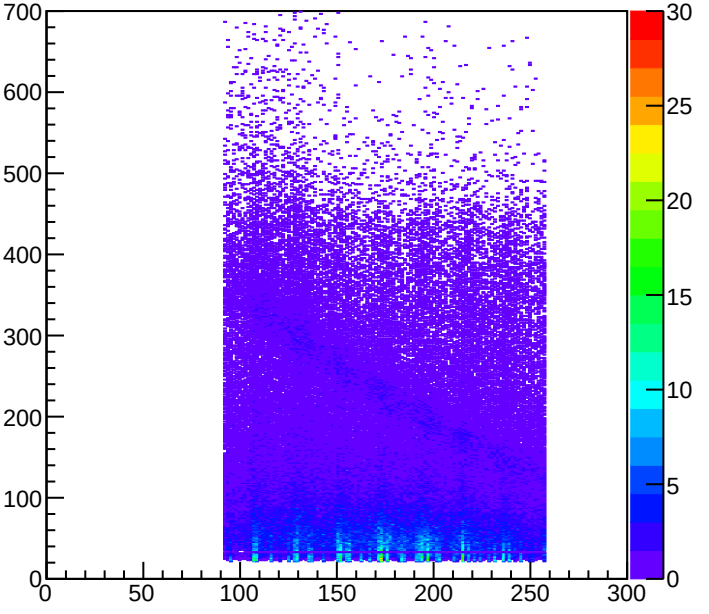
ECAL_RggVsEgg_10ns20DegreeDeltaTheta



ECAL_RggVsEgg_10ns20DegreeDeltaTheta



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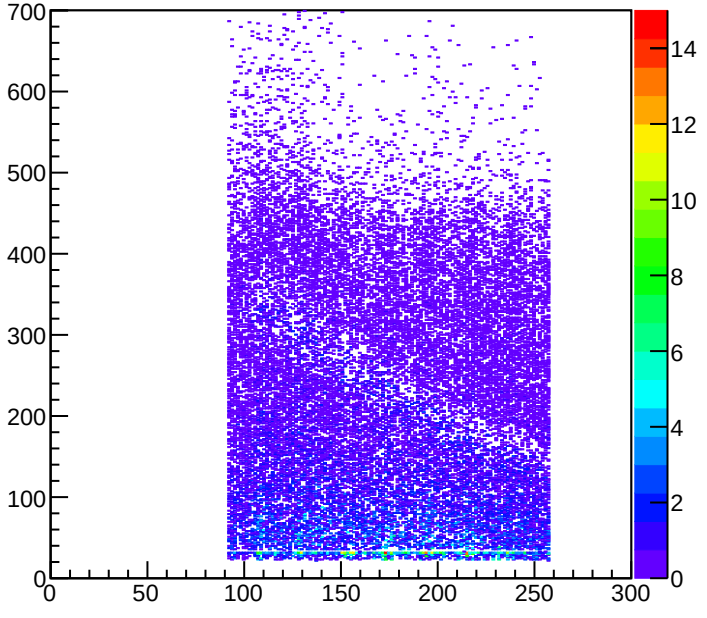

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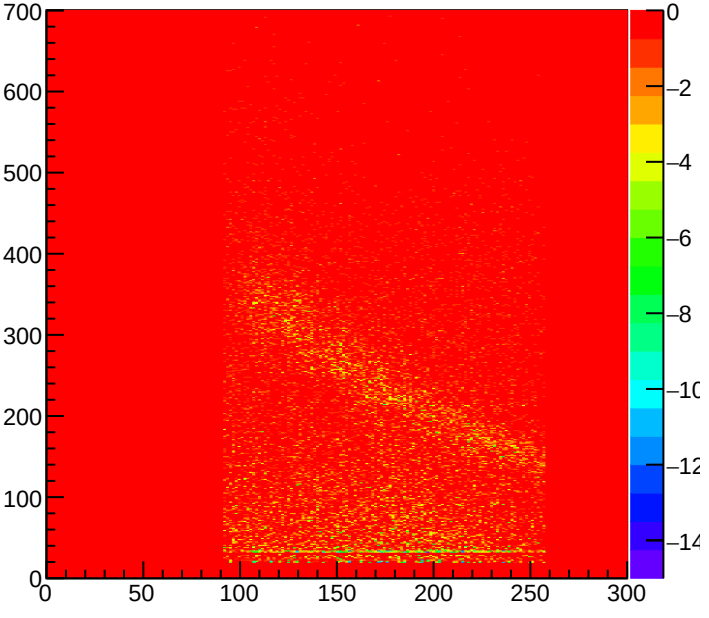
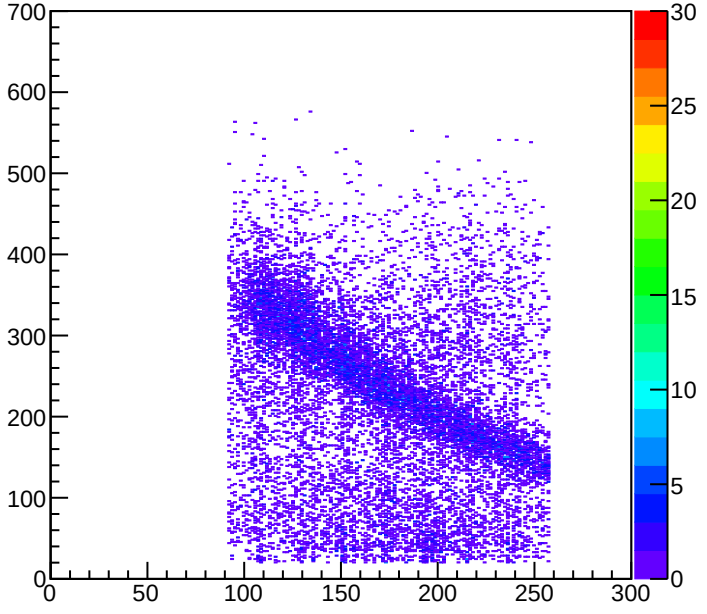
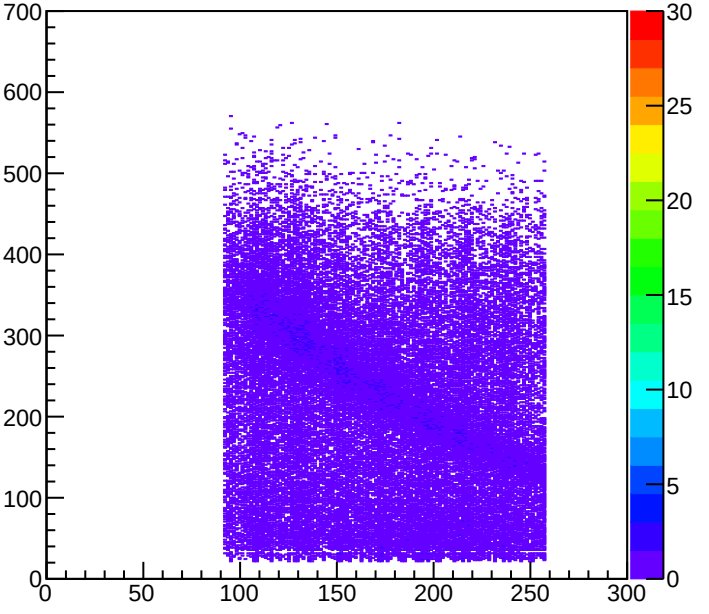


ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeak



ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeak



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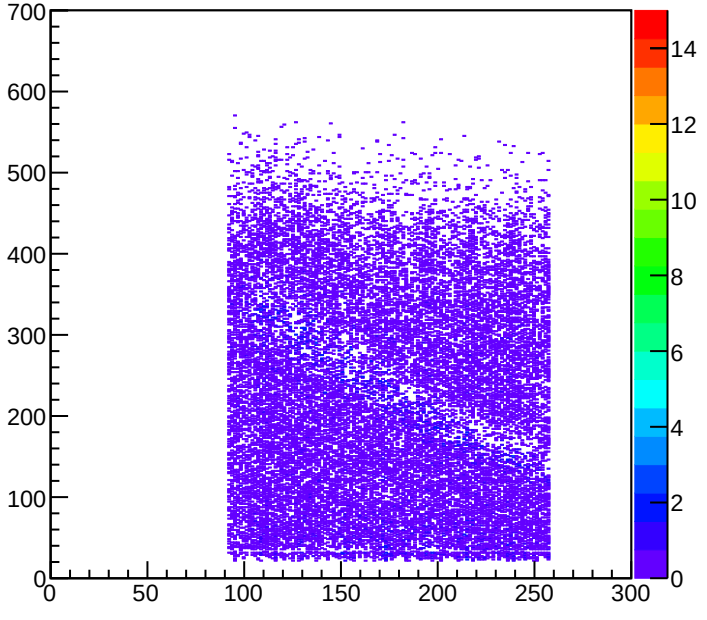

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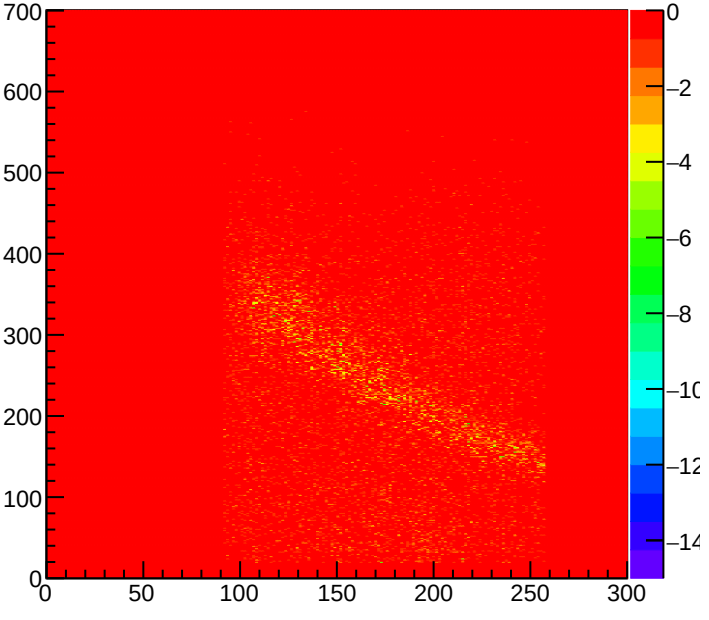
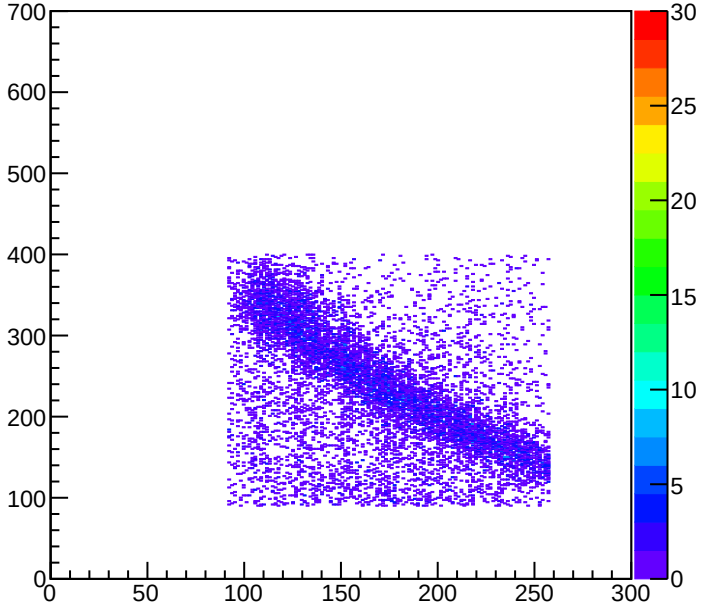


ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeakEThr90



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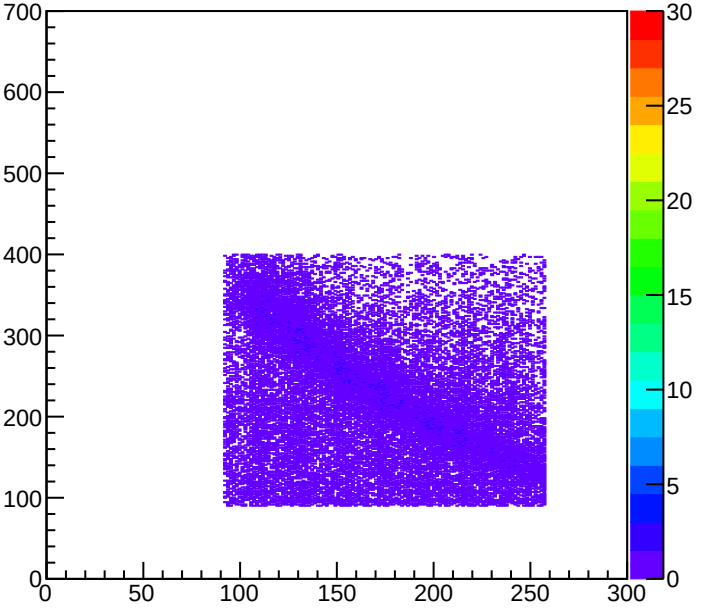

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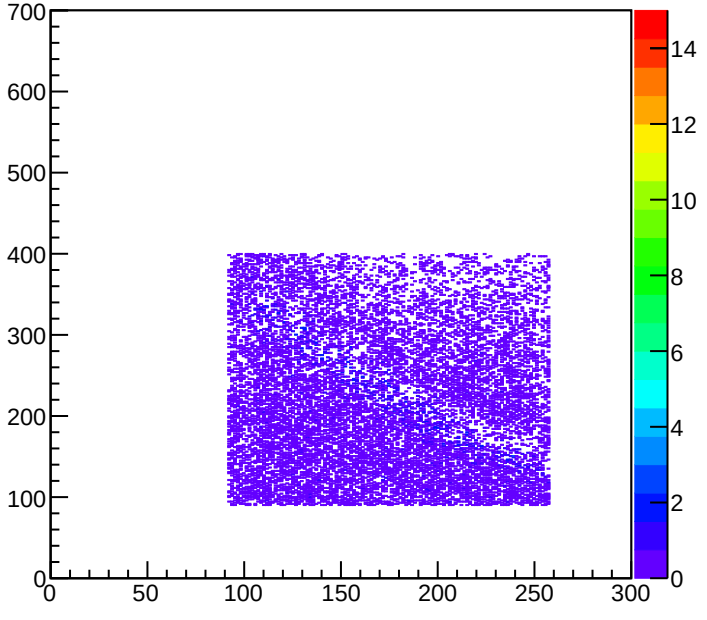

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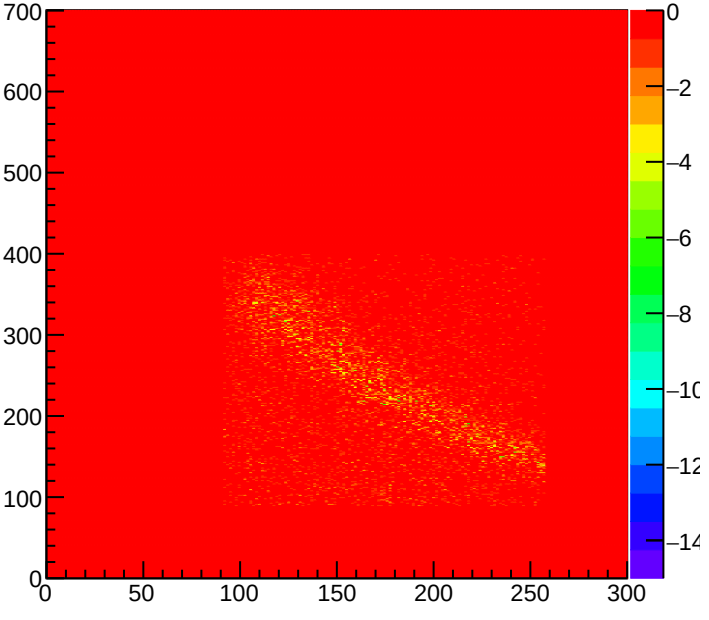
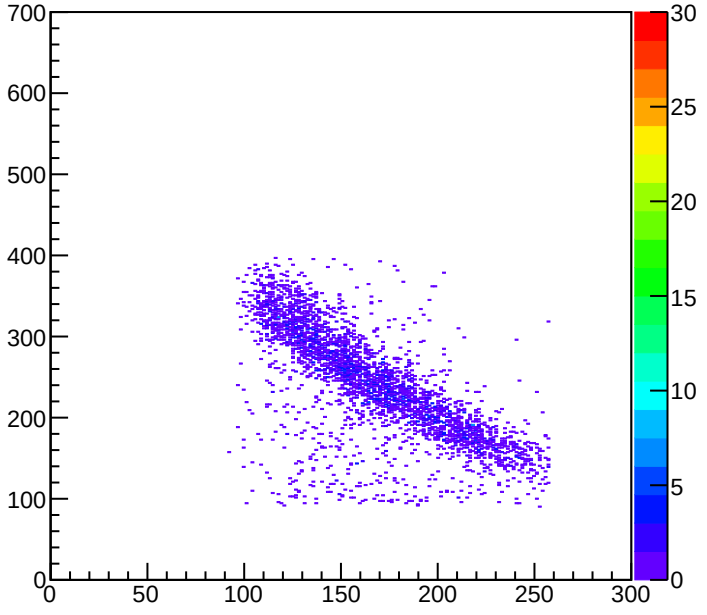
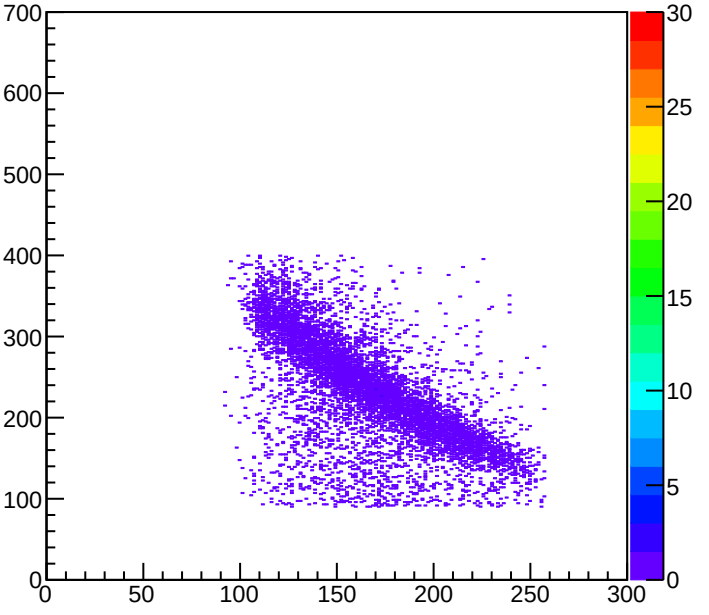


ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



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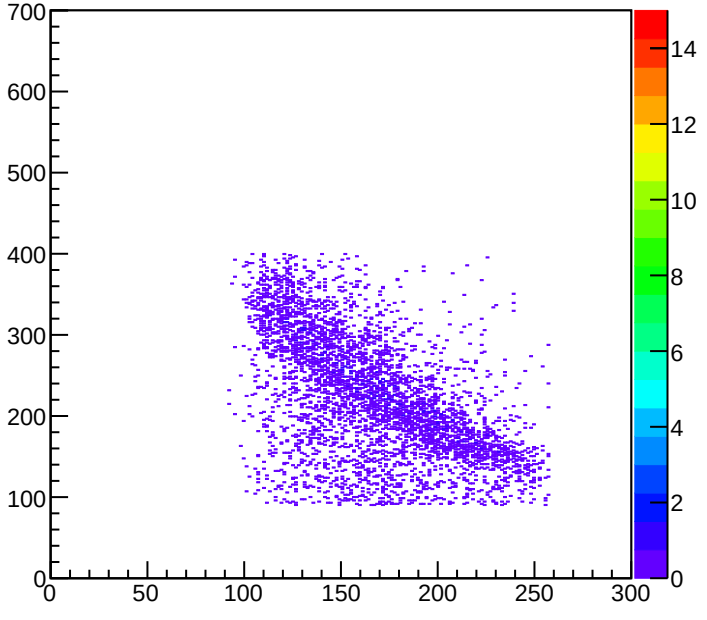

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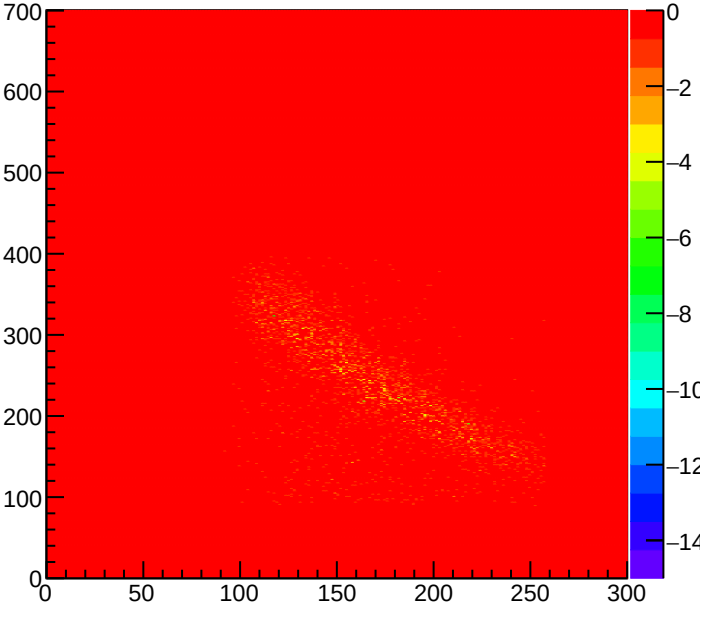
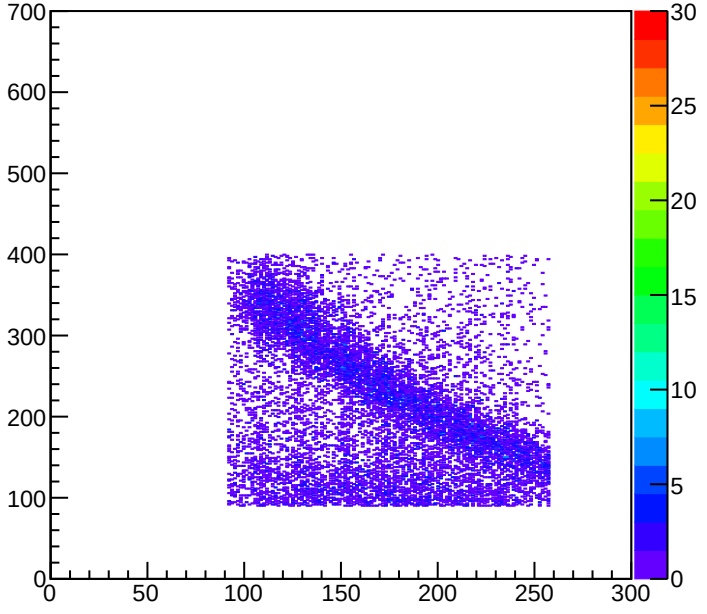


ECAL_RggVsEgg_10ns20DegreeDeltaThetaEThr90



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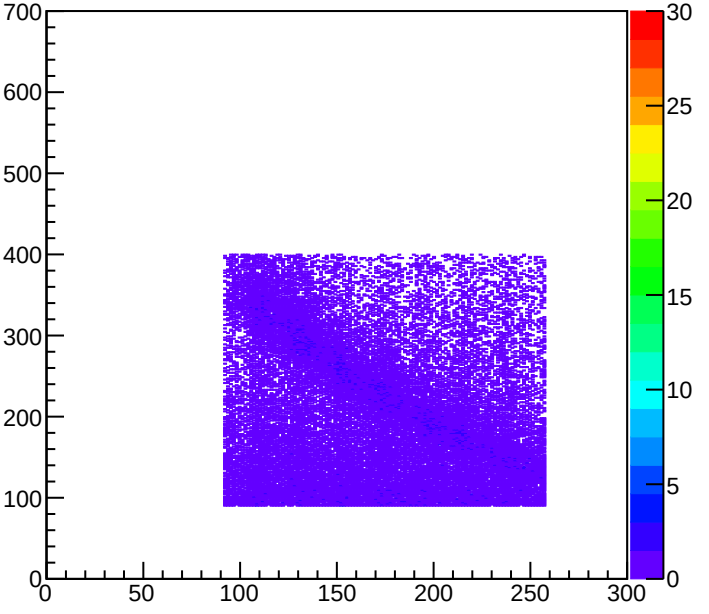

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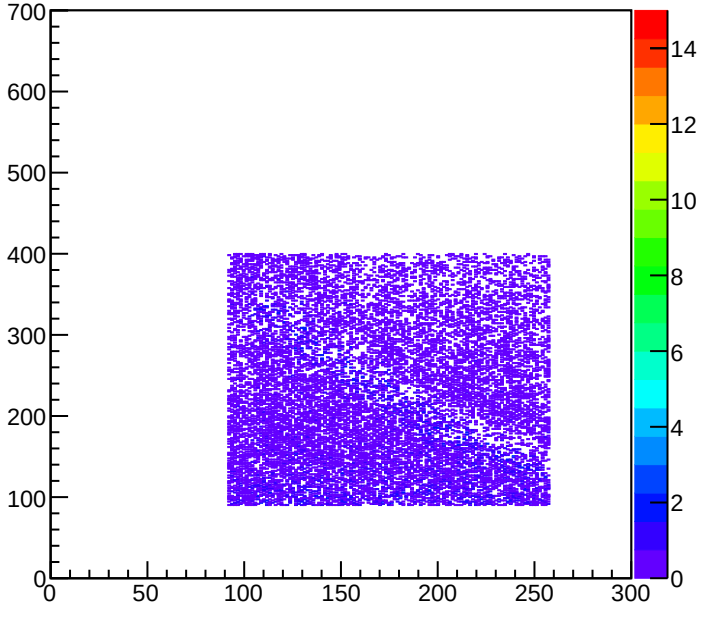

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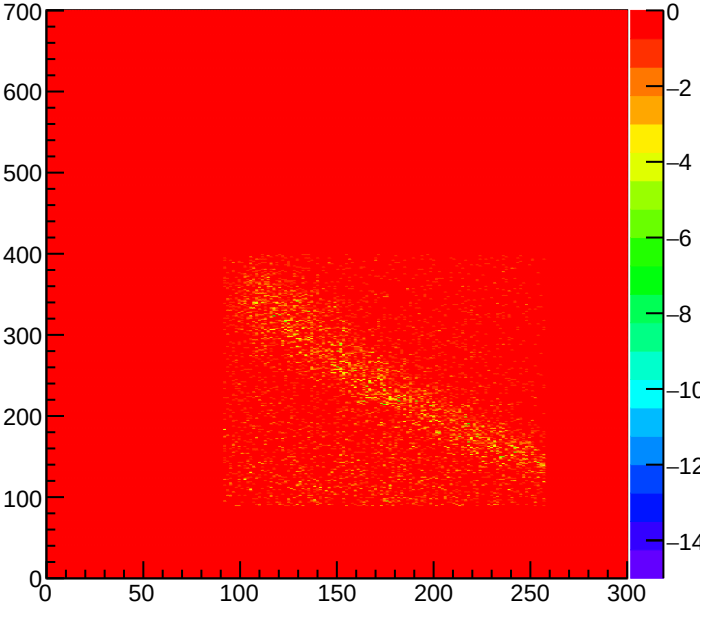
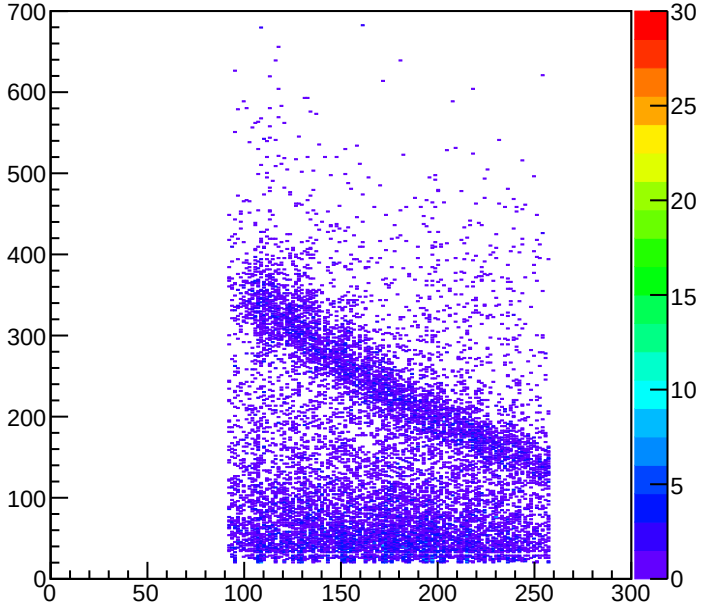
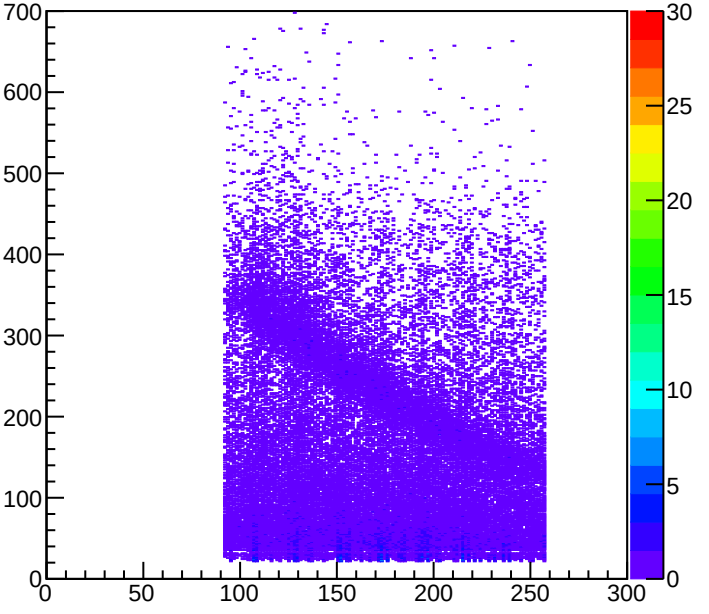


ECAL_RggVsEgg_10ns5DegreeDeltaTheta



ECAL_RggVsEgg_10ns5DegreeDeltaTheta



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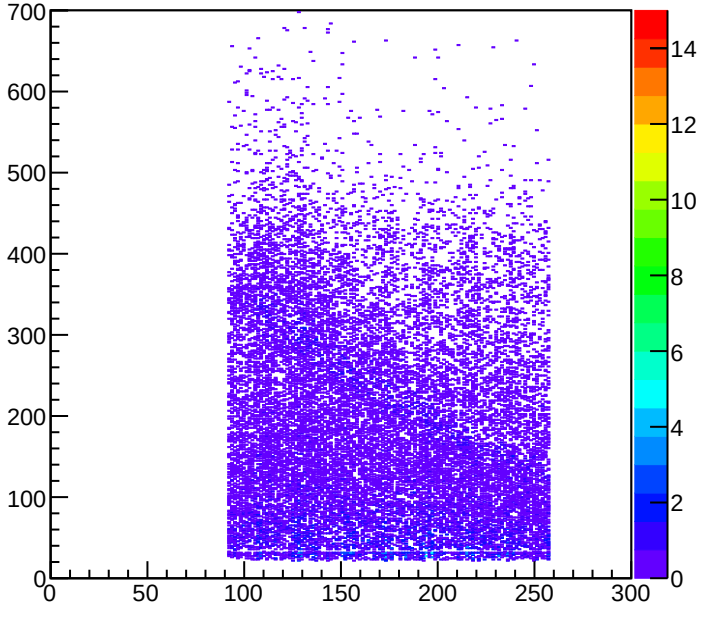

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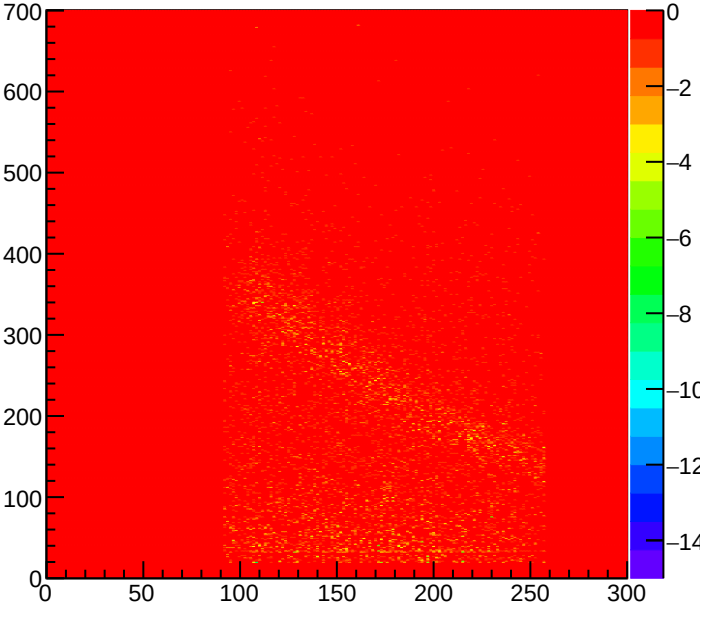
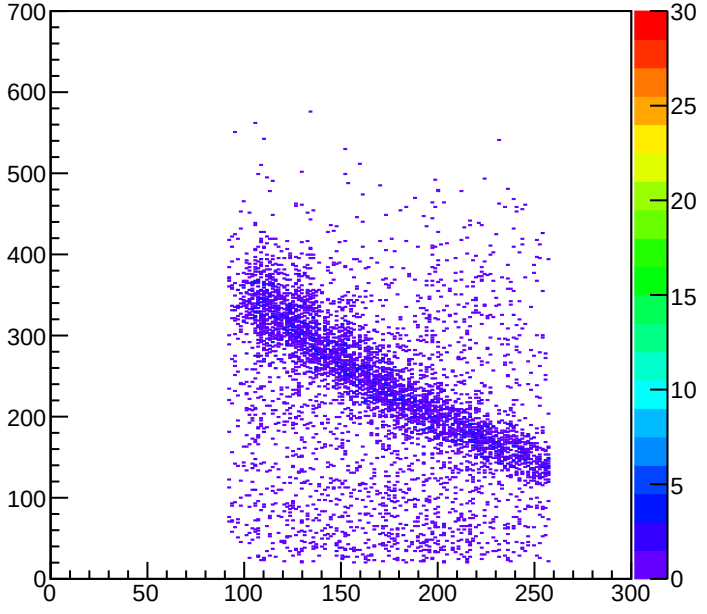
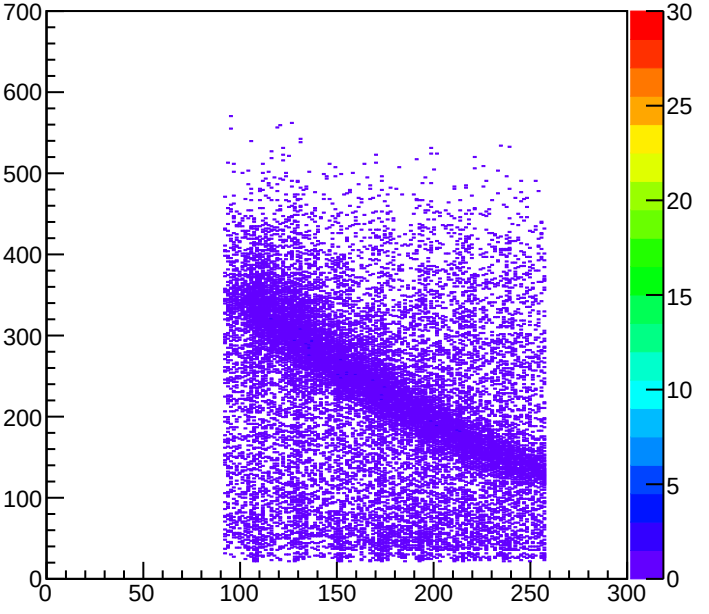


ECAL_RggVsEgg_10ns5DegreeDeltaThetaUnderPeak



ECAL_RggVsEgg_10ns5DegreeDeltaThetaUnderPeak



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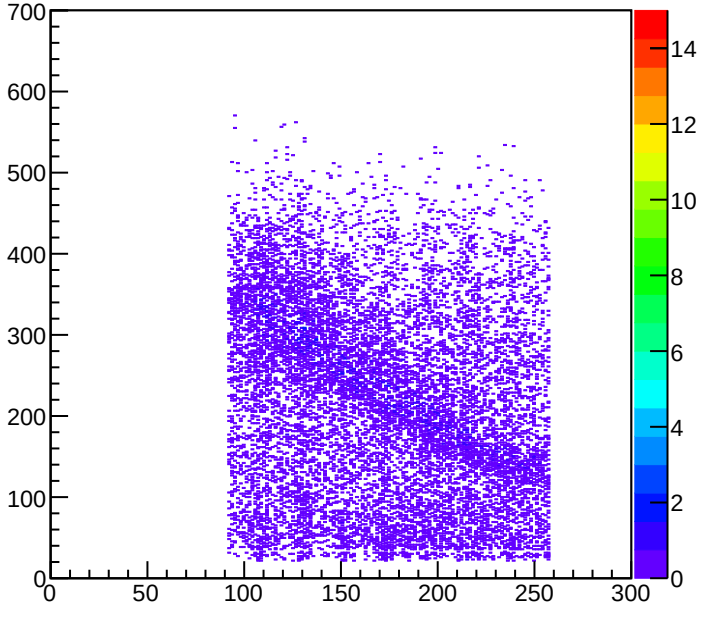

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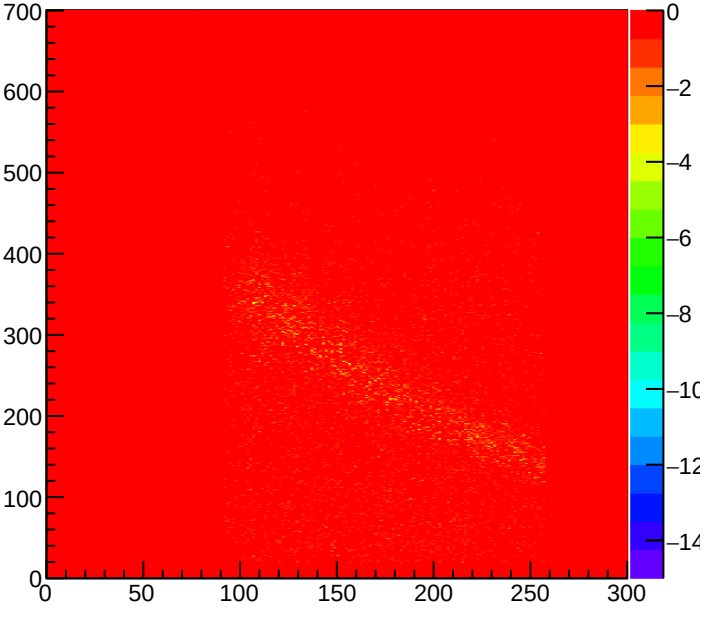
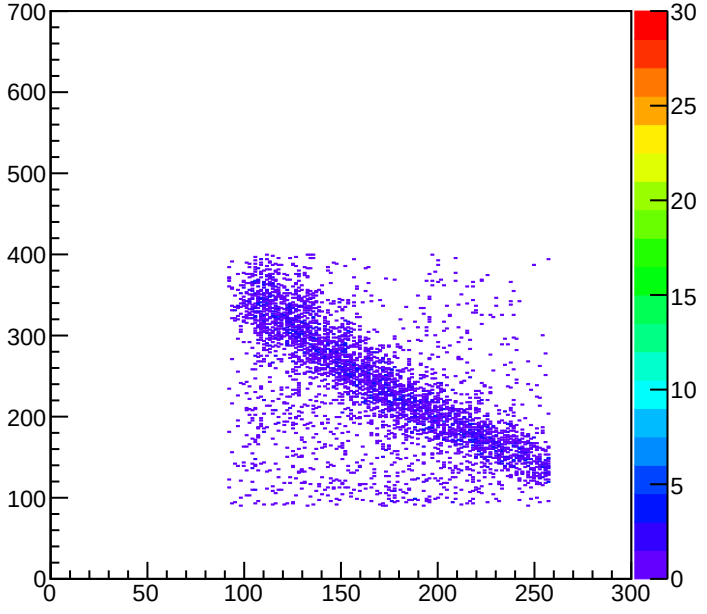


ECAL_RggVsEgg_10ns5DegreeDeltaThetaUnderPeakEThr90



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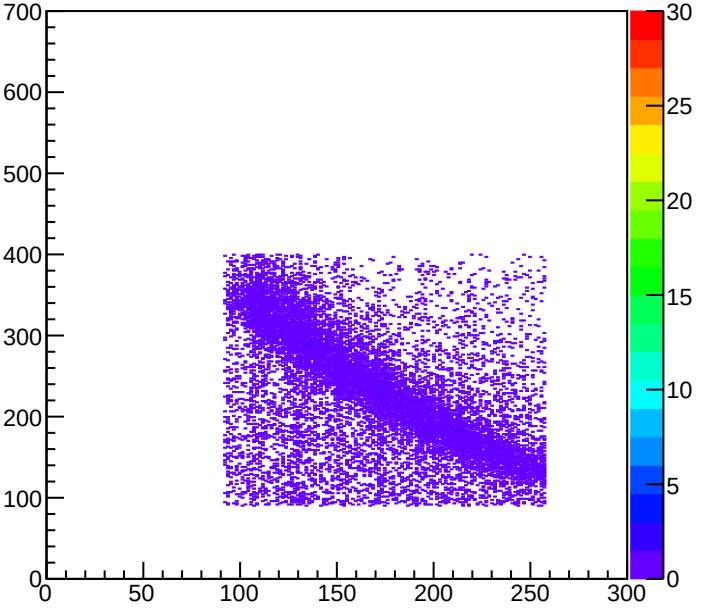

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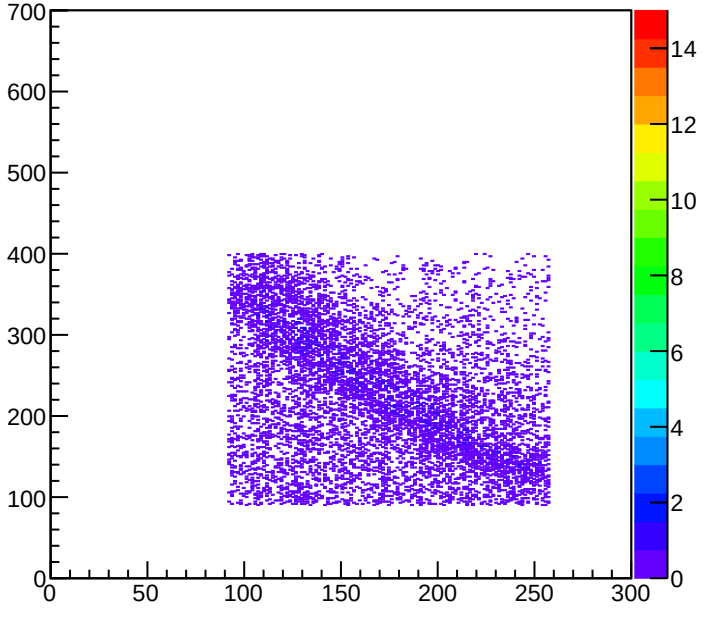

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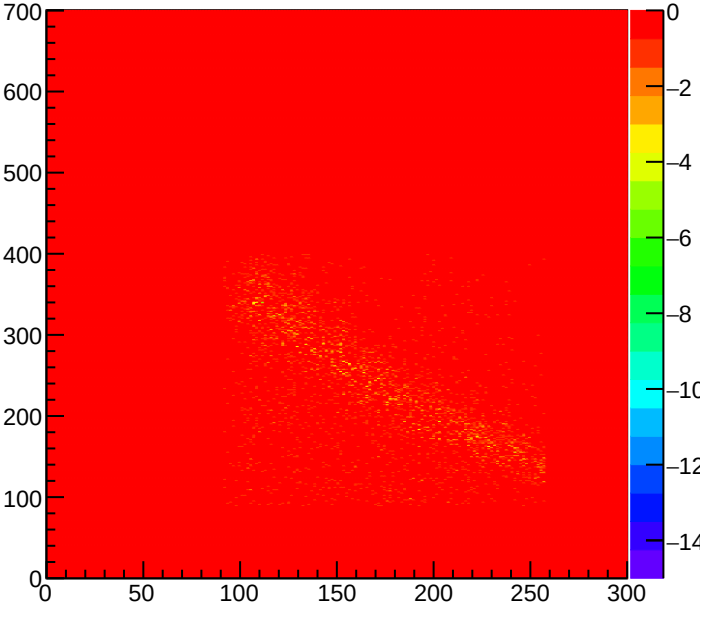

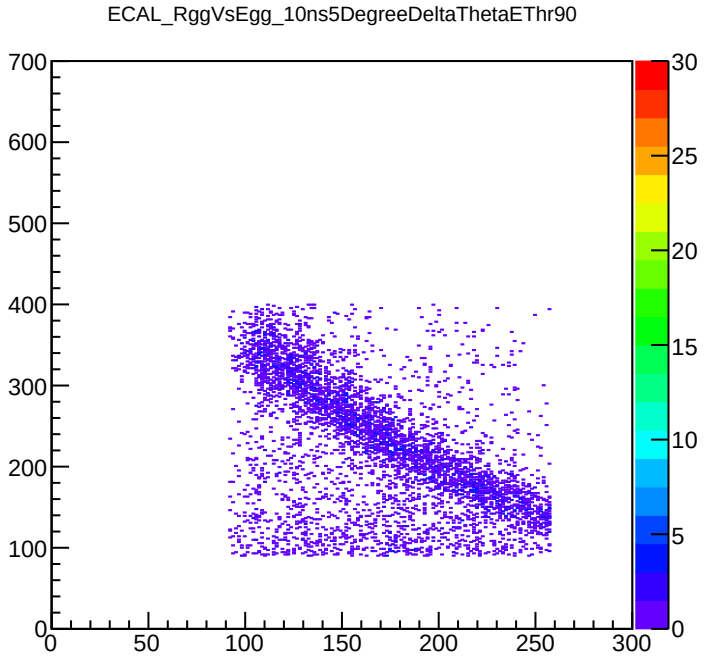
ECAL_RggVsEgg_10ns5DegreeDeltaThetaEThr90
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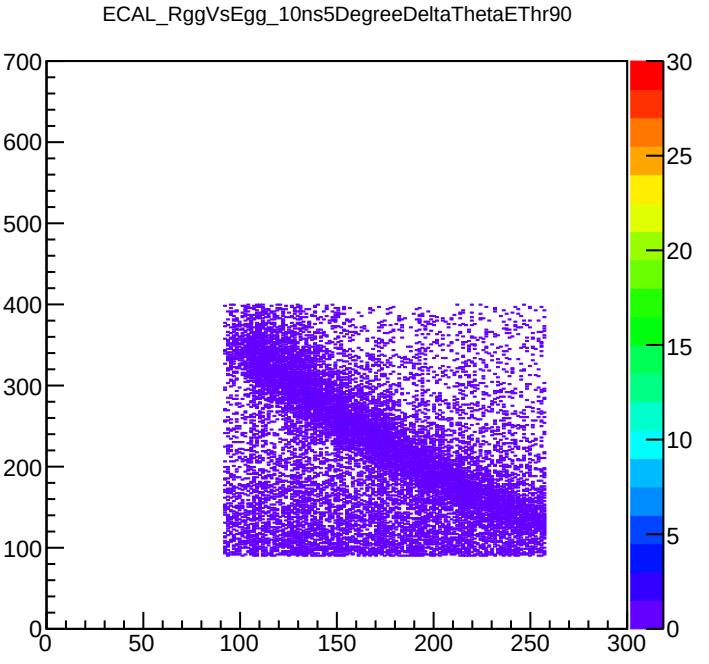
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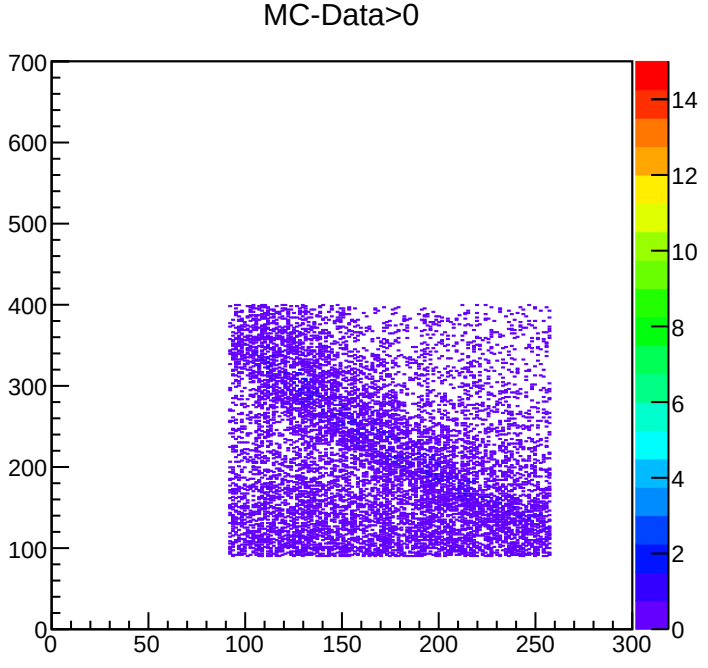
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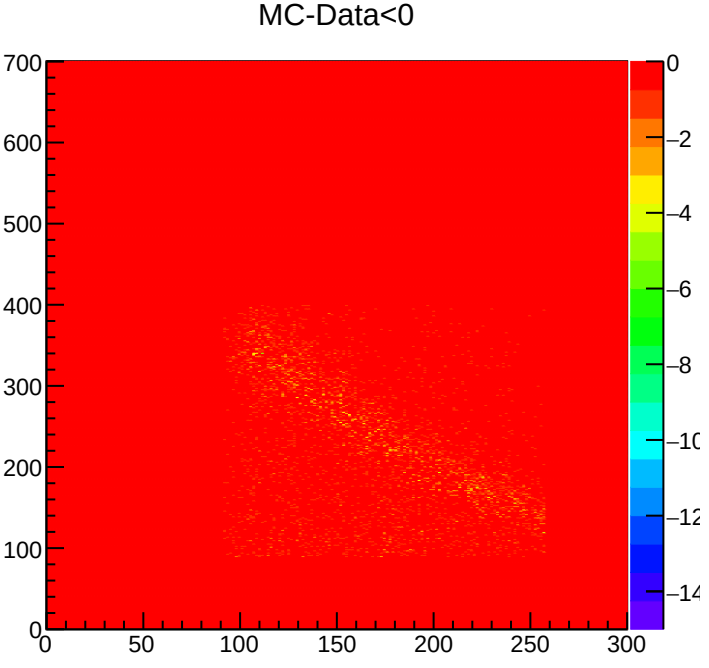
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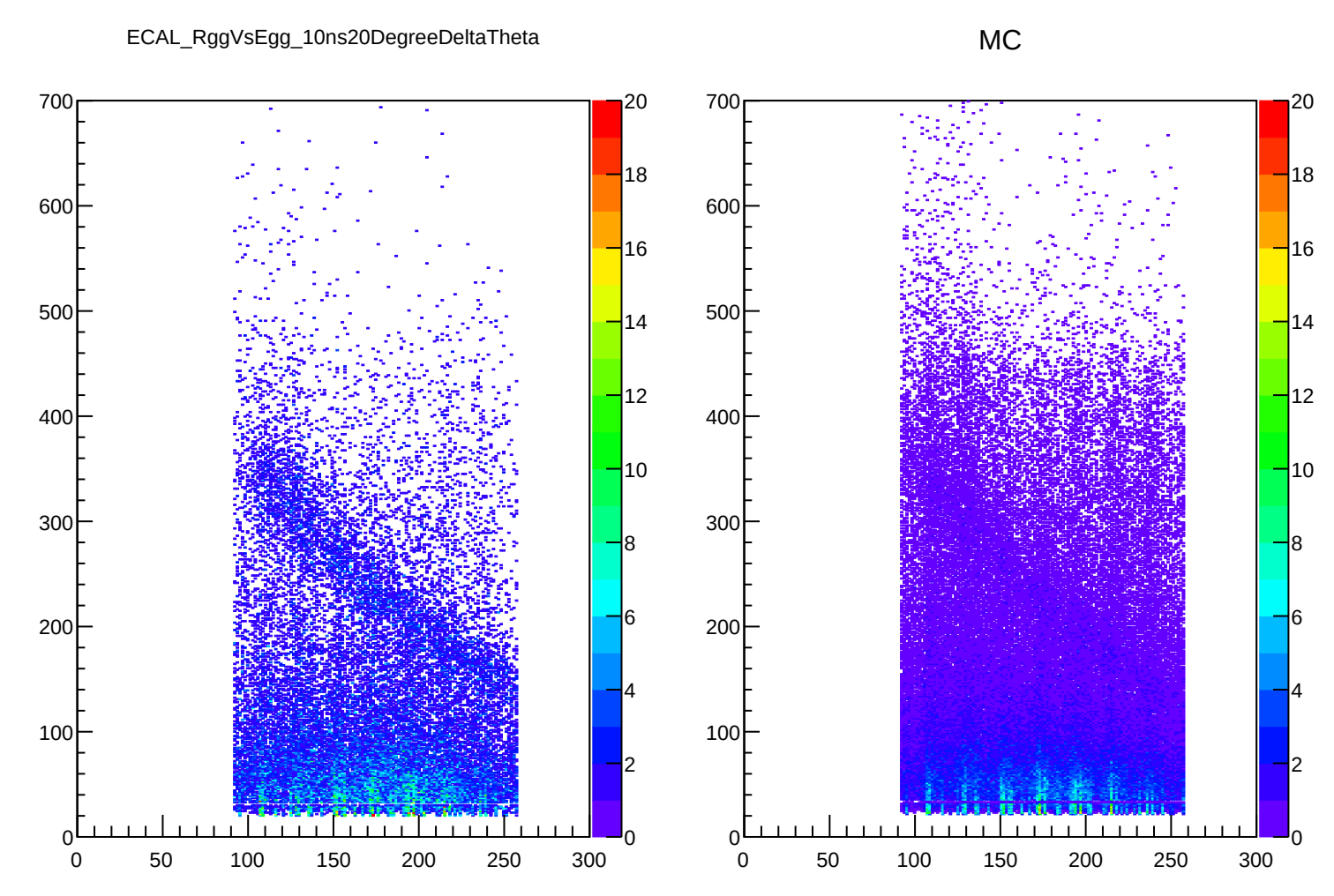
ECAL_RggVsEgg_10ns20DegreeDeltaTheta
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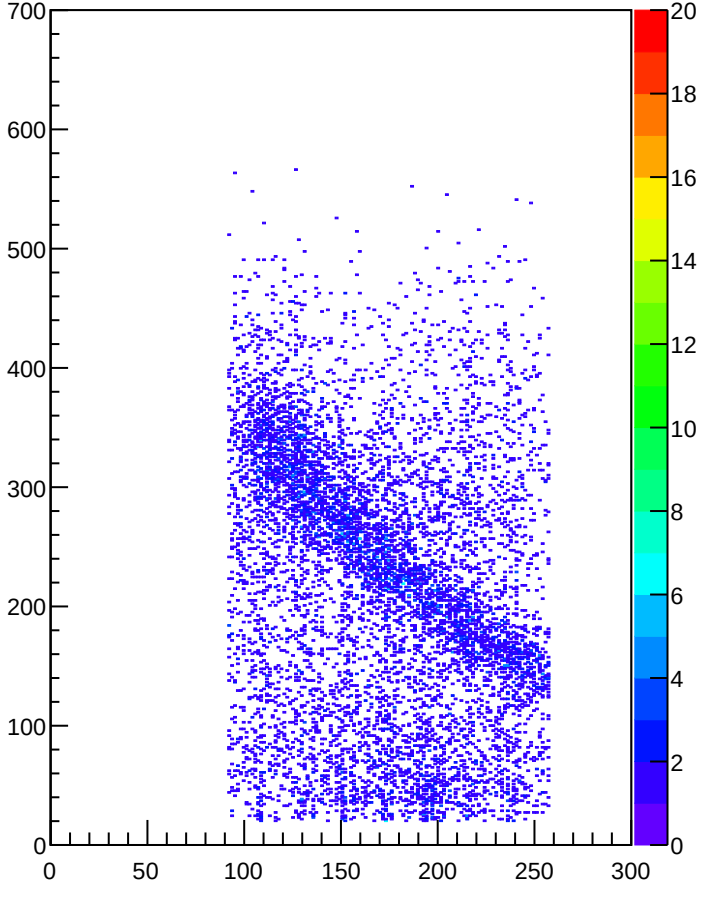
ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeak



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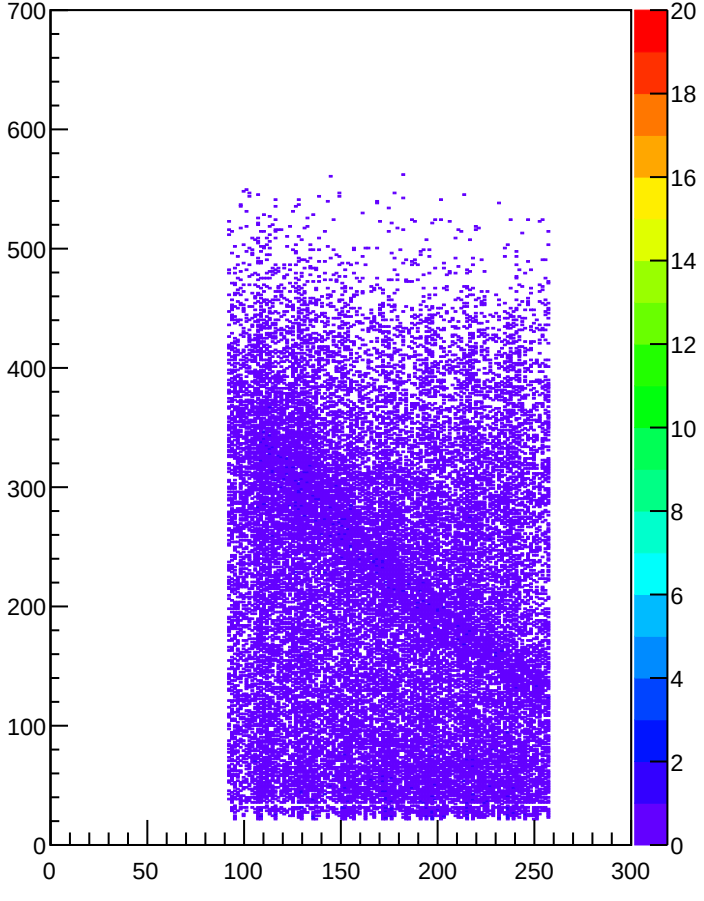
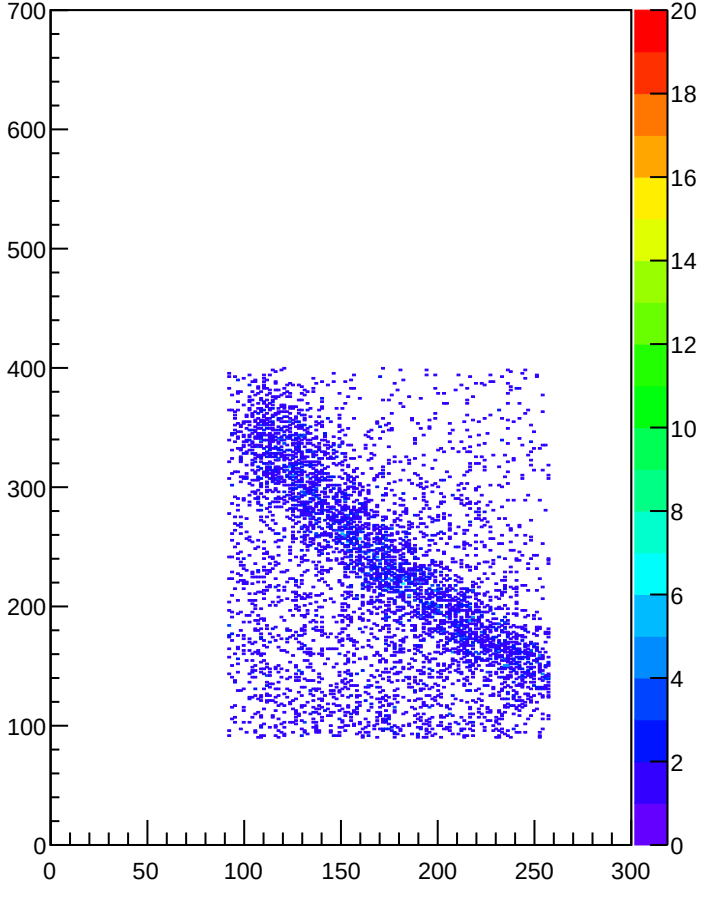


ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeakEThr90



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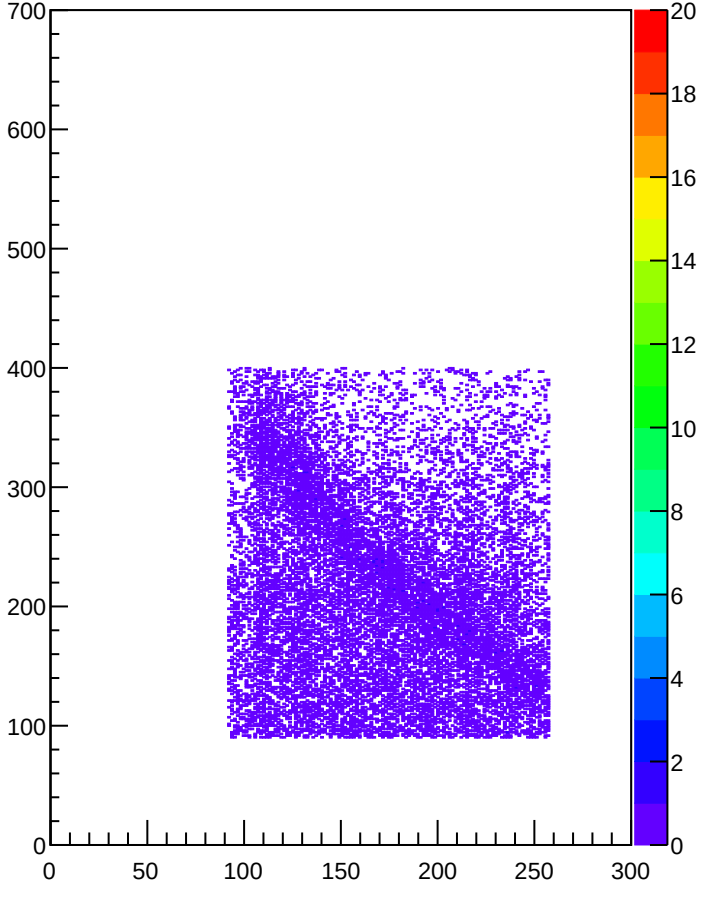
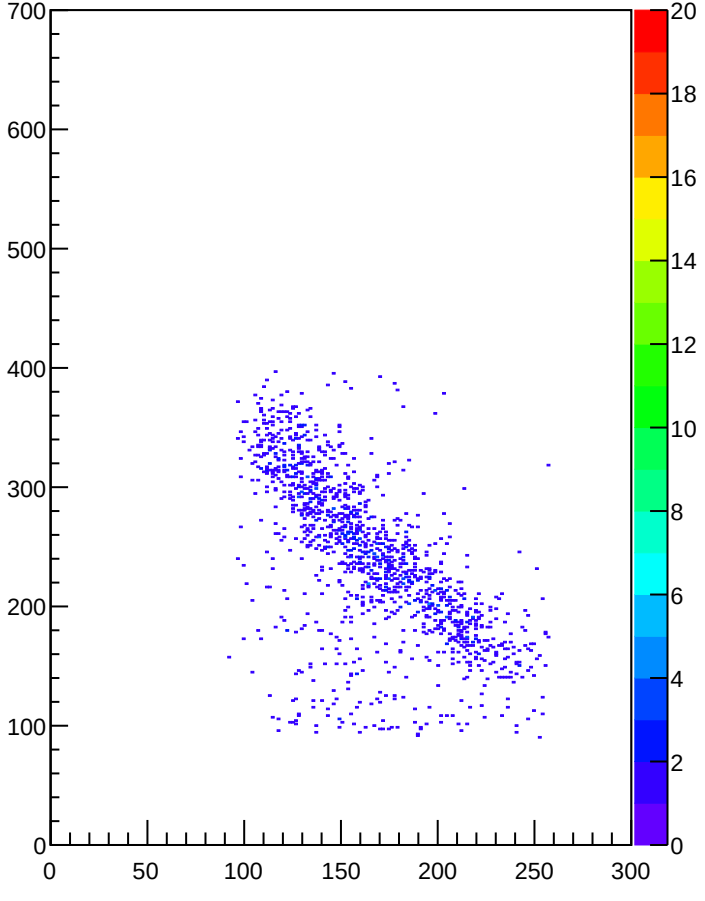


ECAL_RggVsEgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY



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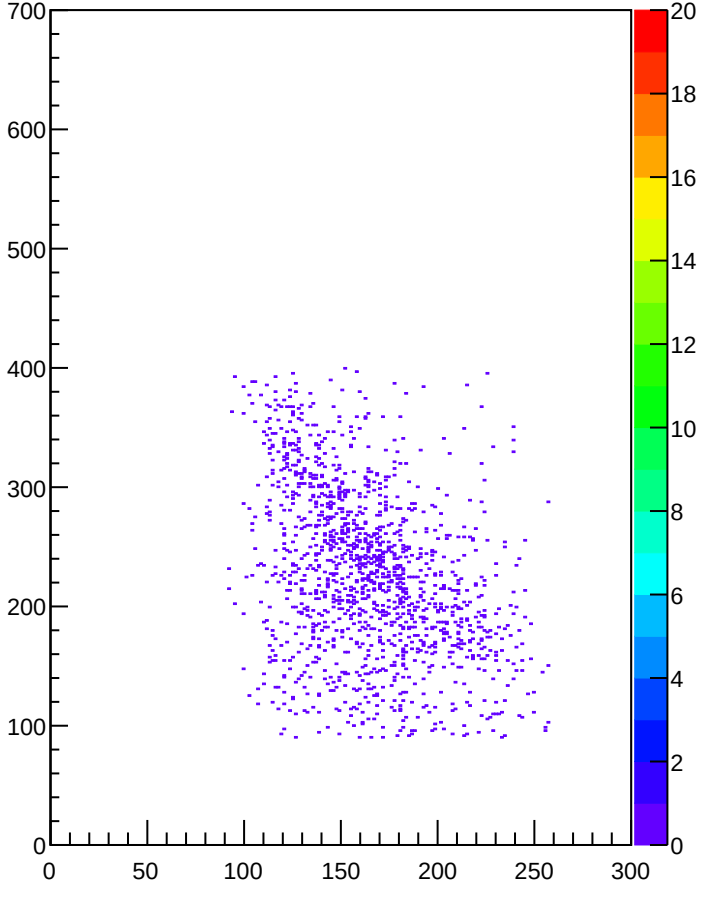
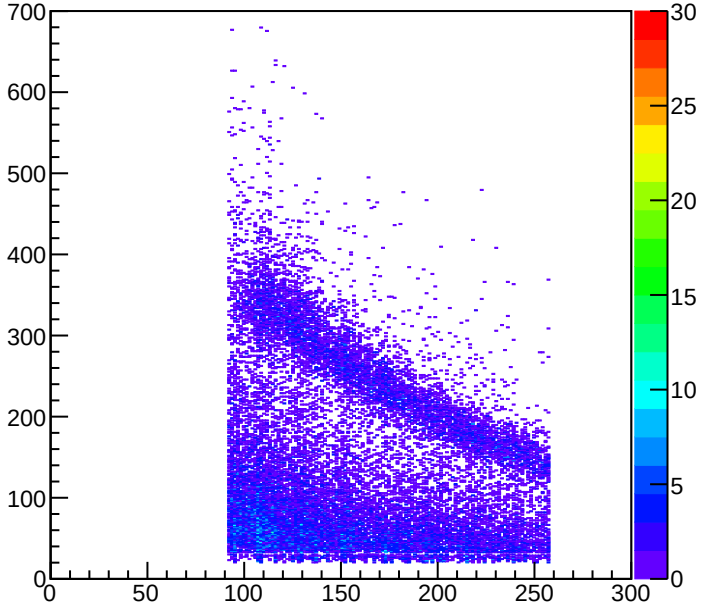
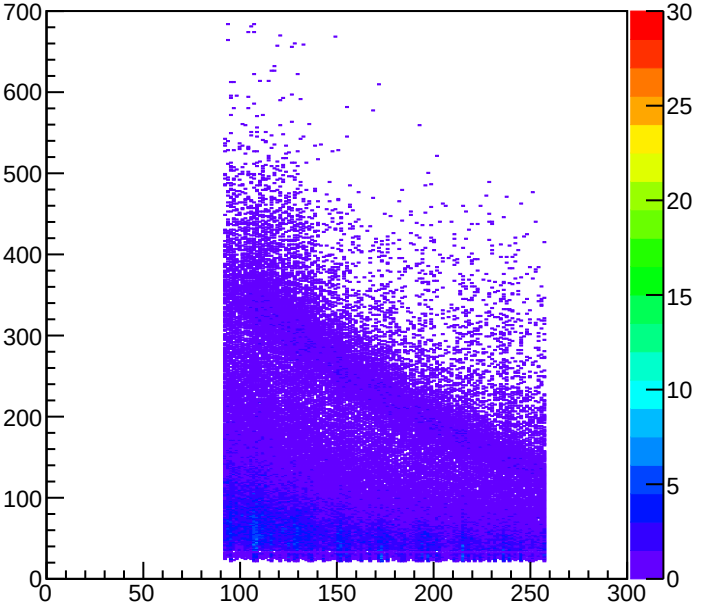


ECAL_RggVsEgg_10ns3CoG



ECAL_RggVsEgg_10ns3CoG



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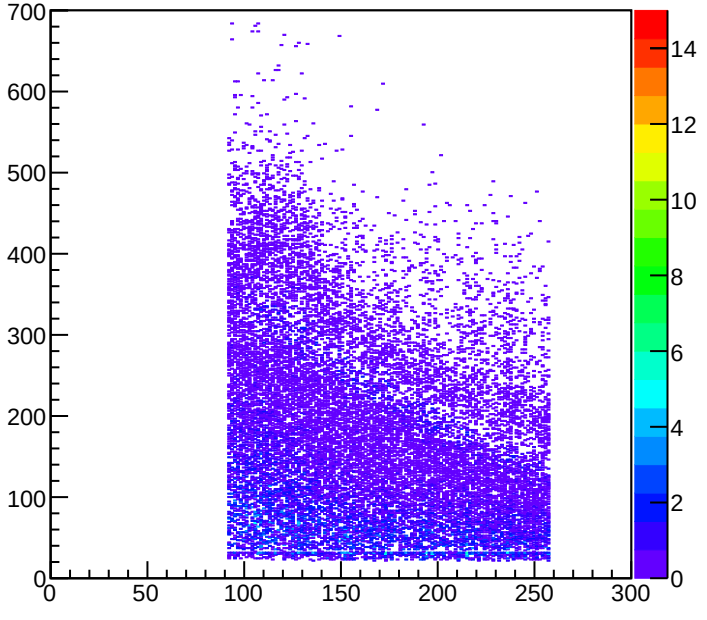

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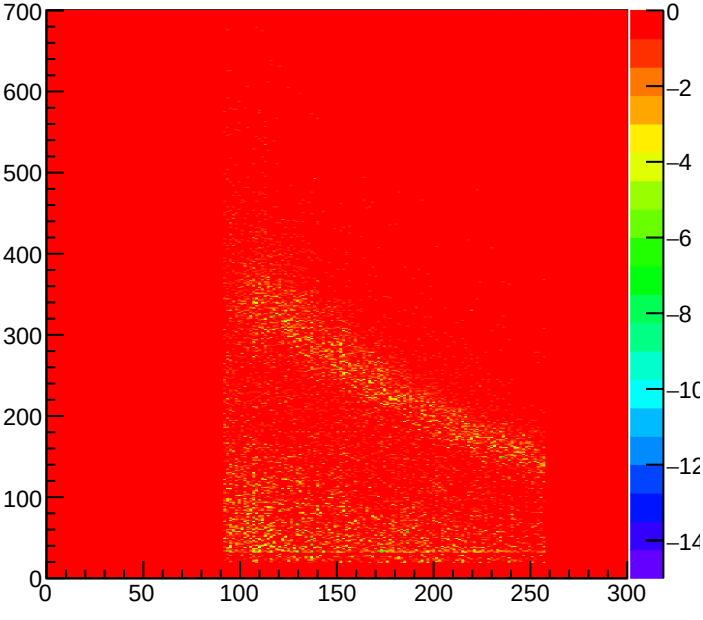
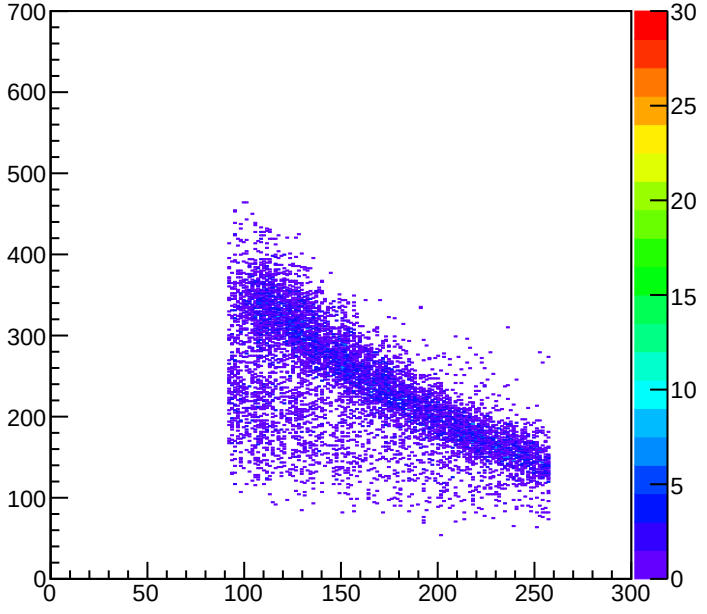
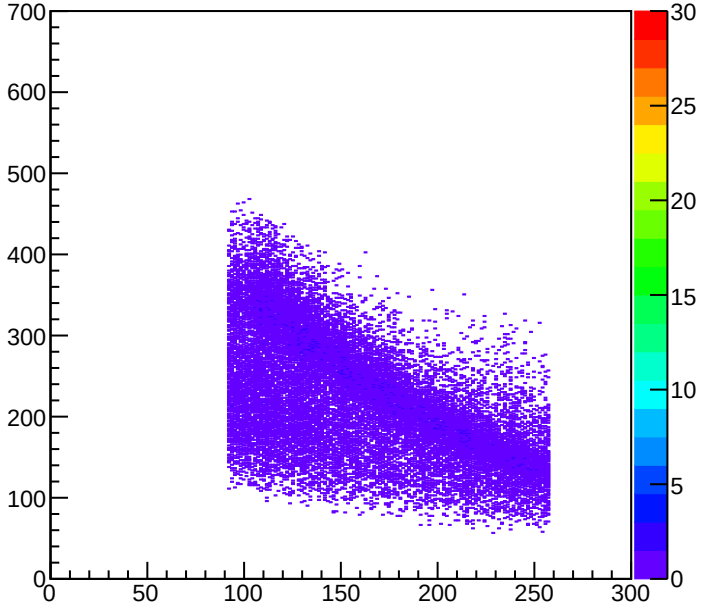


ECAL_RggVsEgg_10ns3CoGUnderPeak



ECAL_RggVsEgg_10ns3CoGUnderPeak



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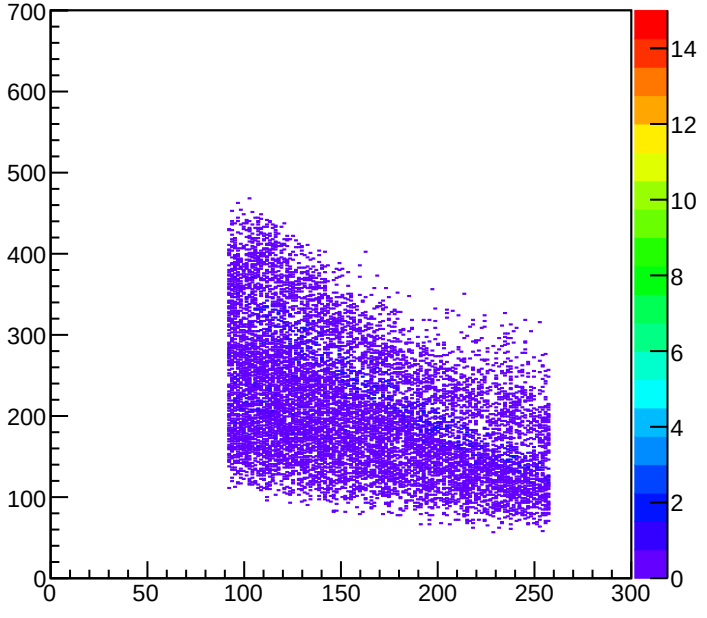

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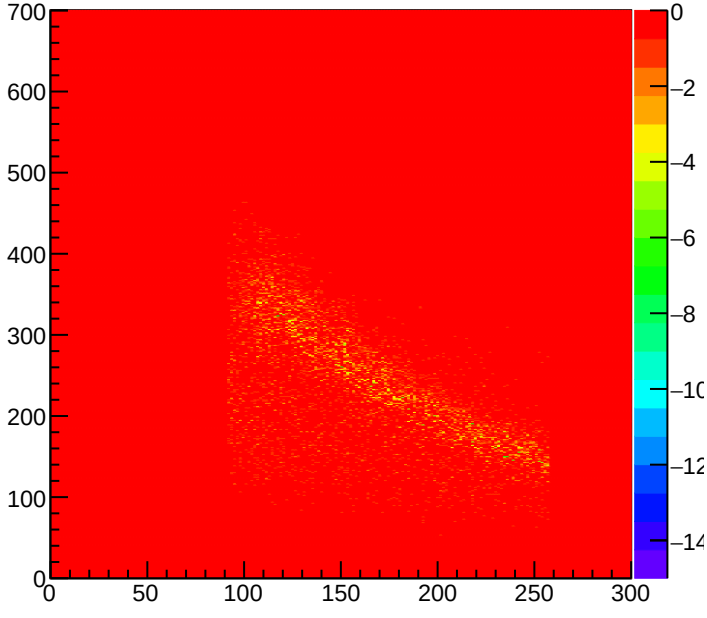

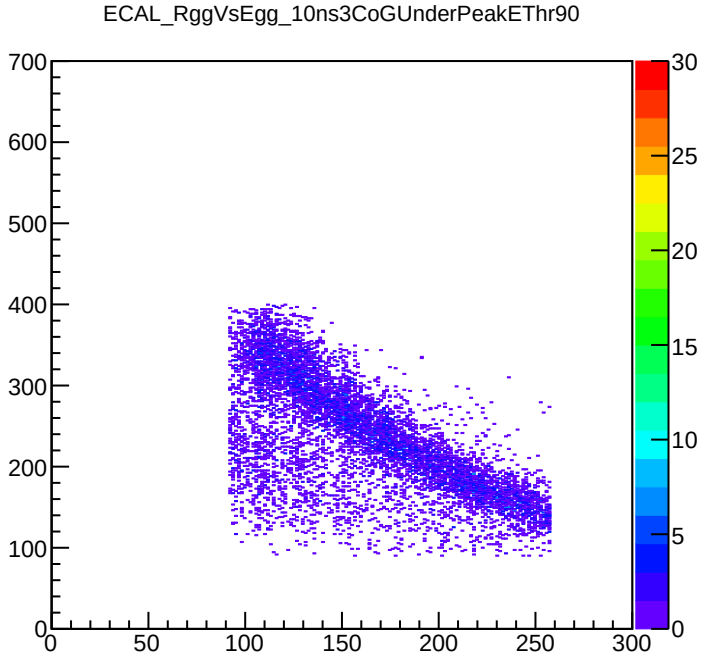
ECAL_RggVsEgg_10ns3CoGUnderPeakEThr90
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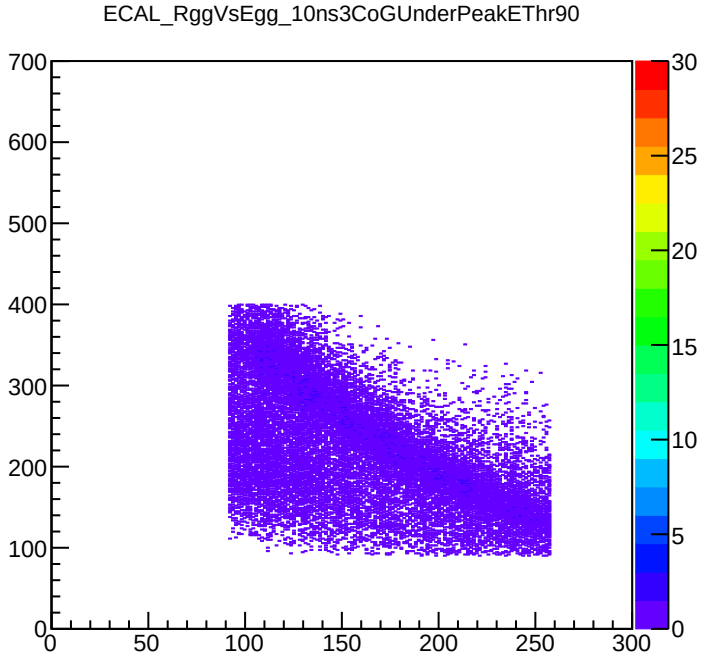
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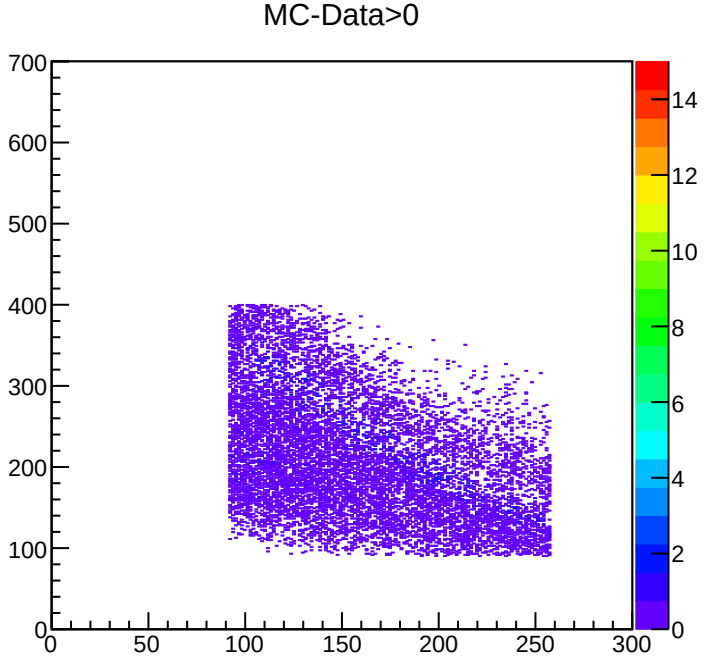
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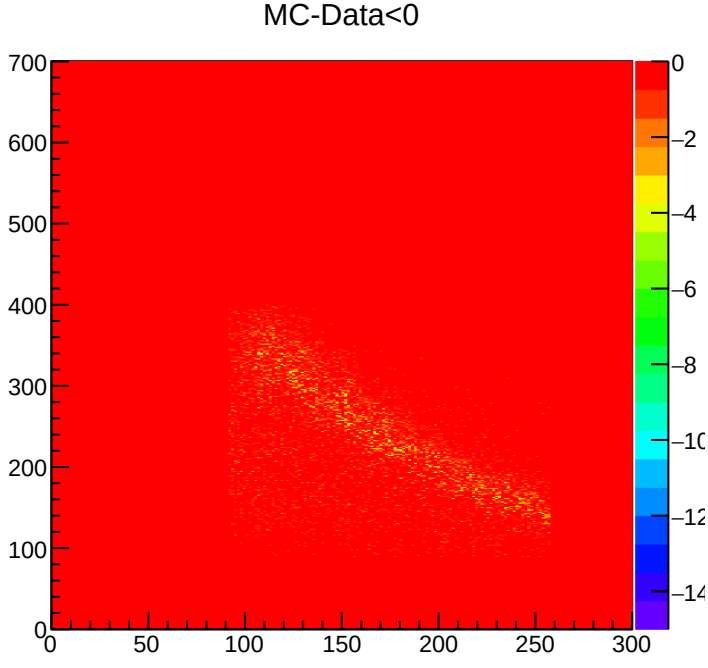
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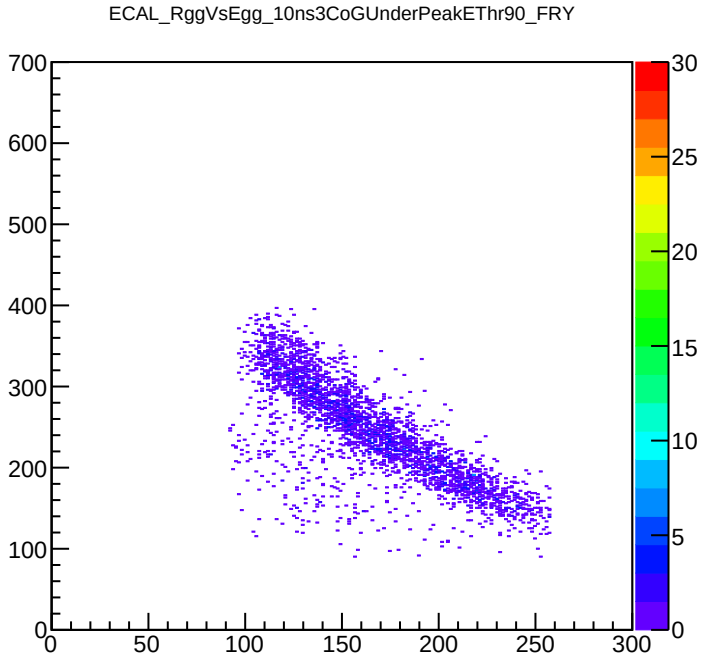
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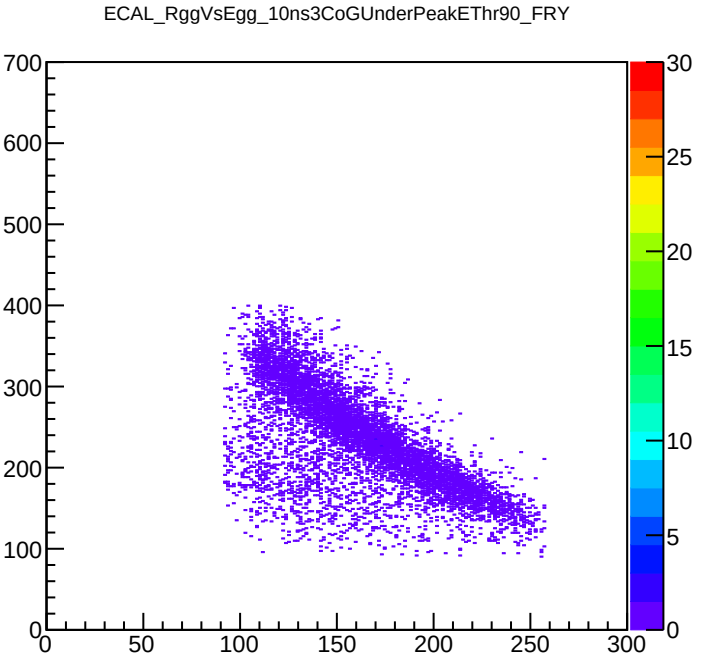
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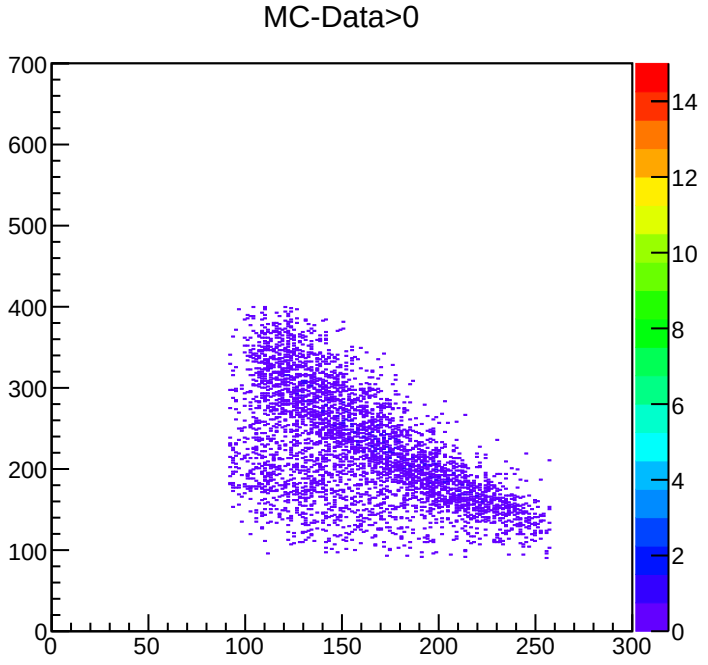
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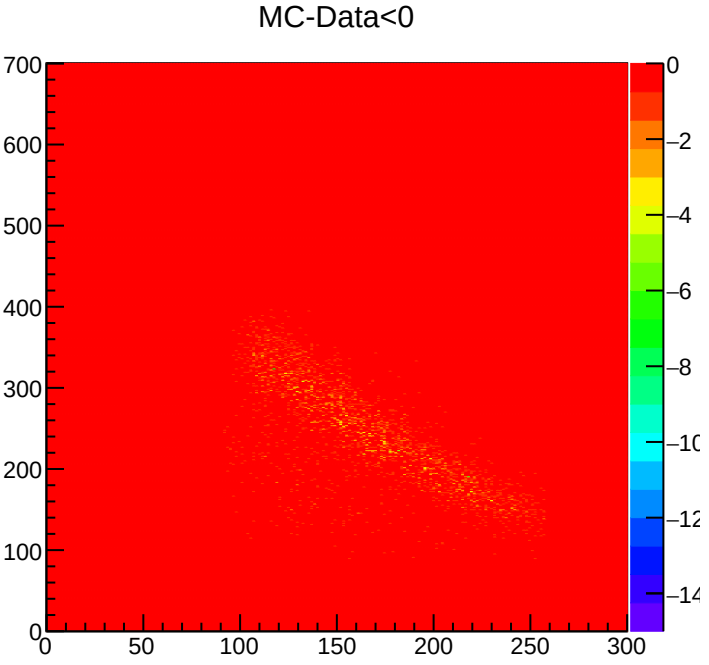
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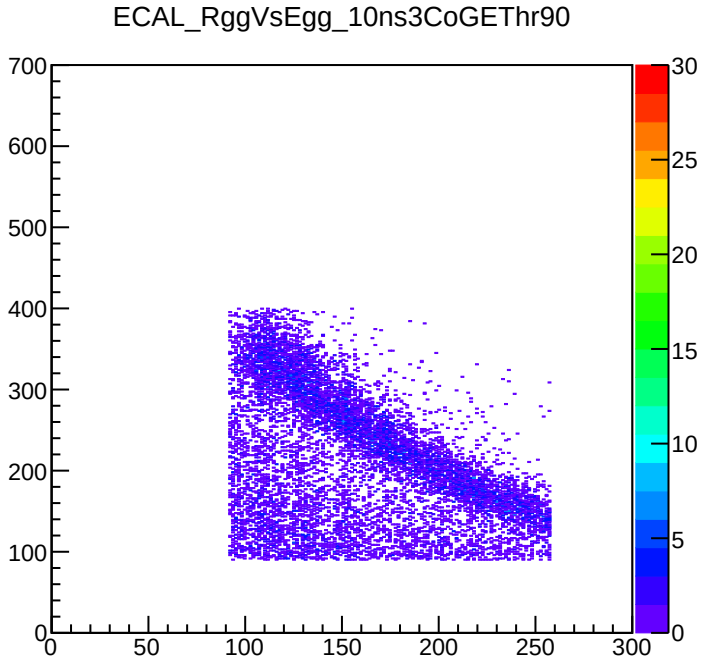
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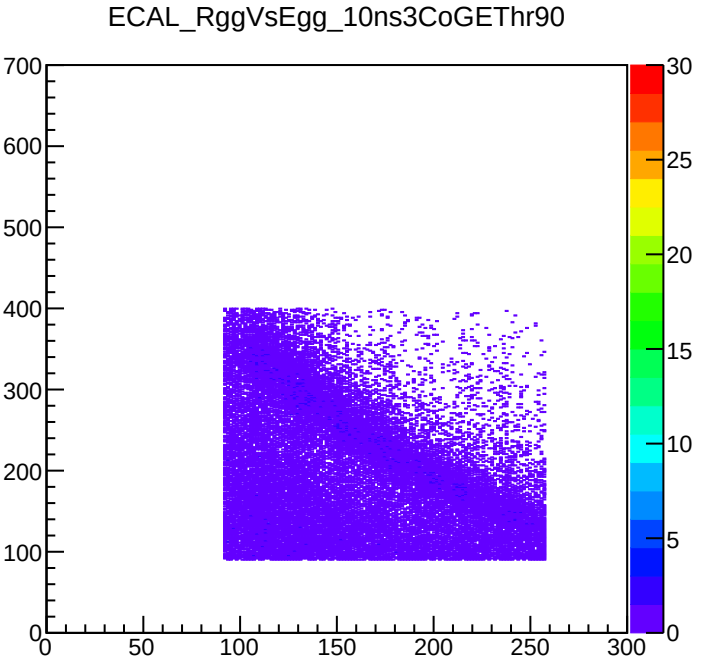
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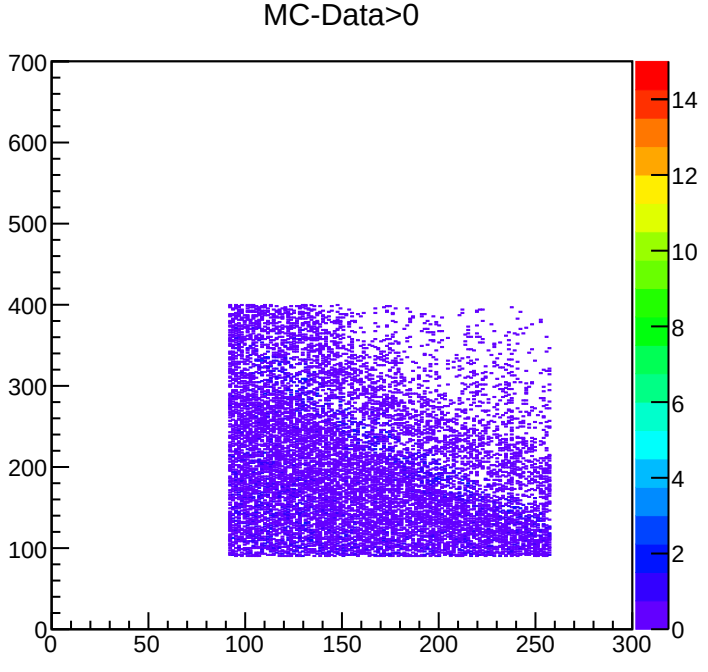
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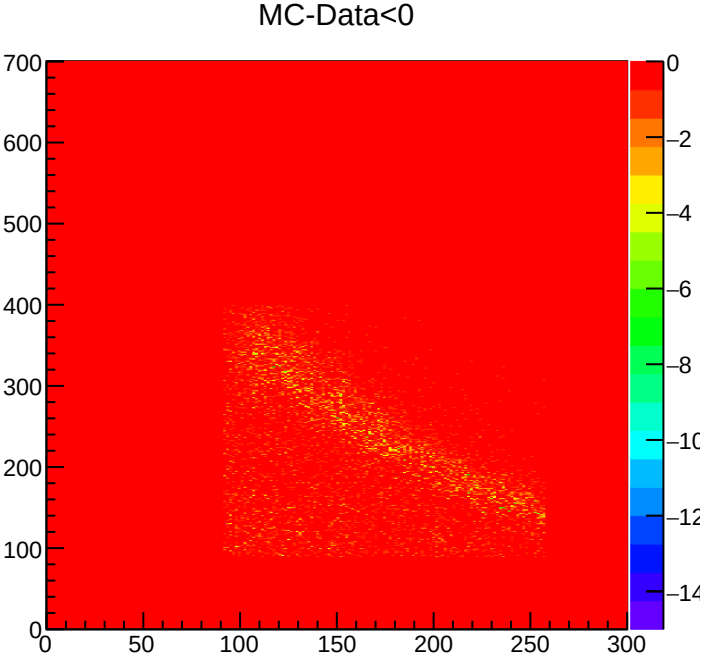
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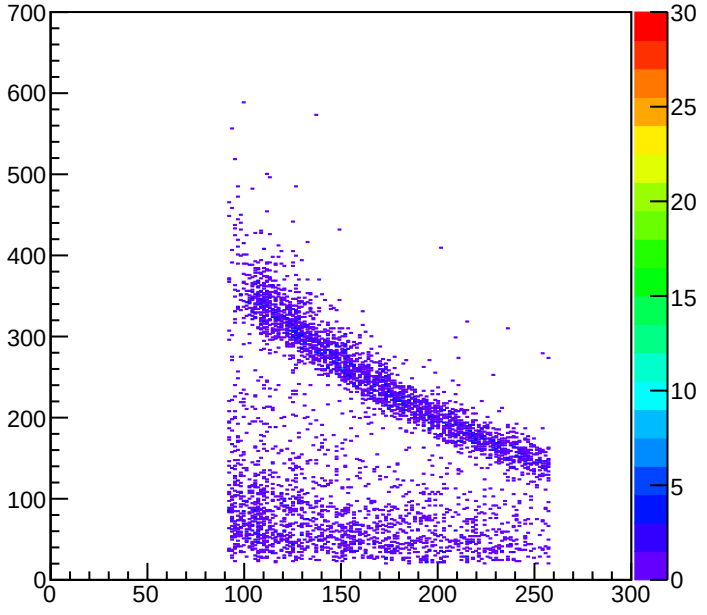

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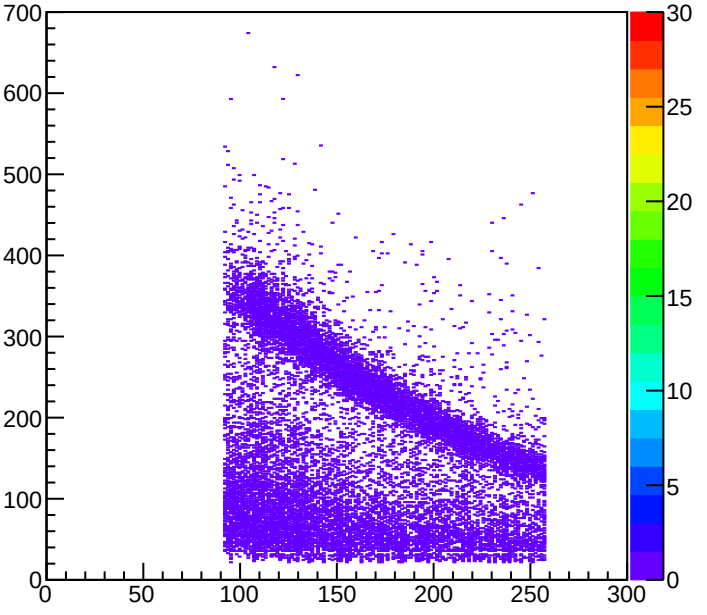

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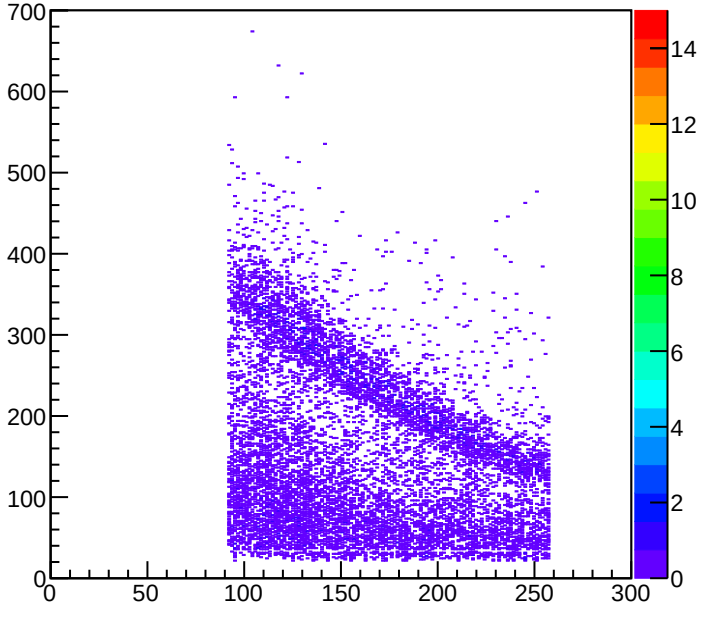

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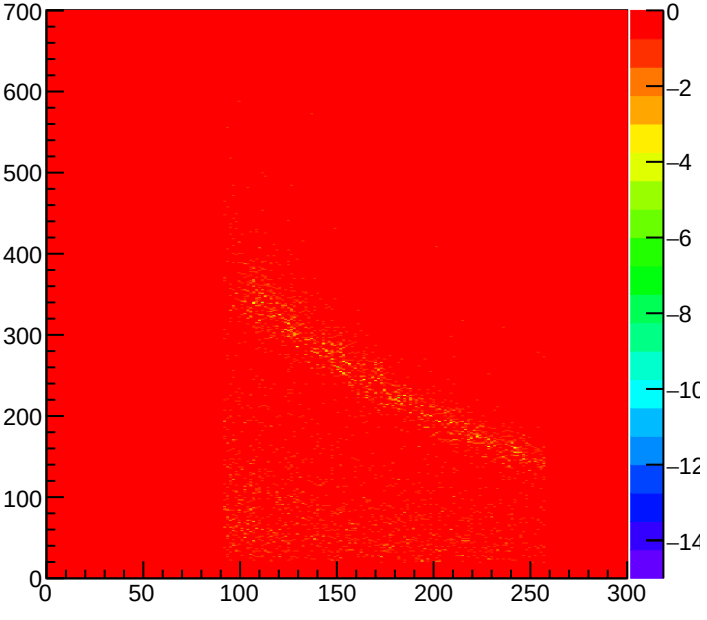

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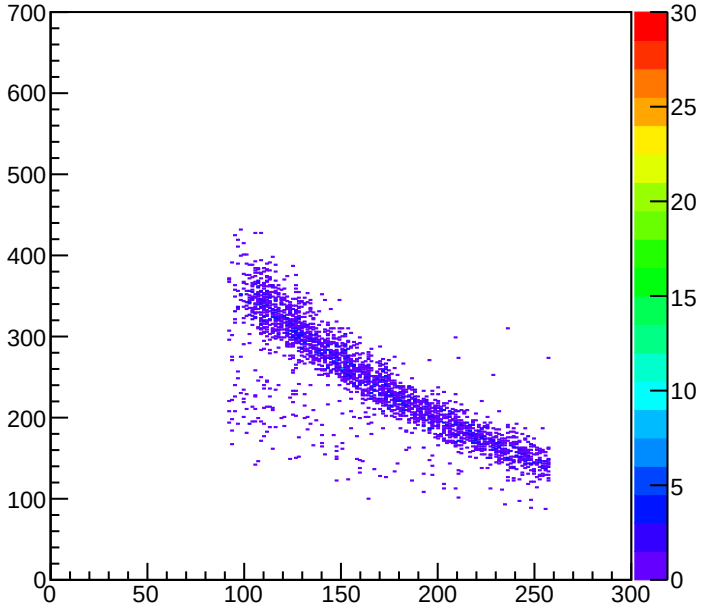

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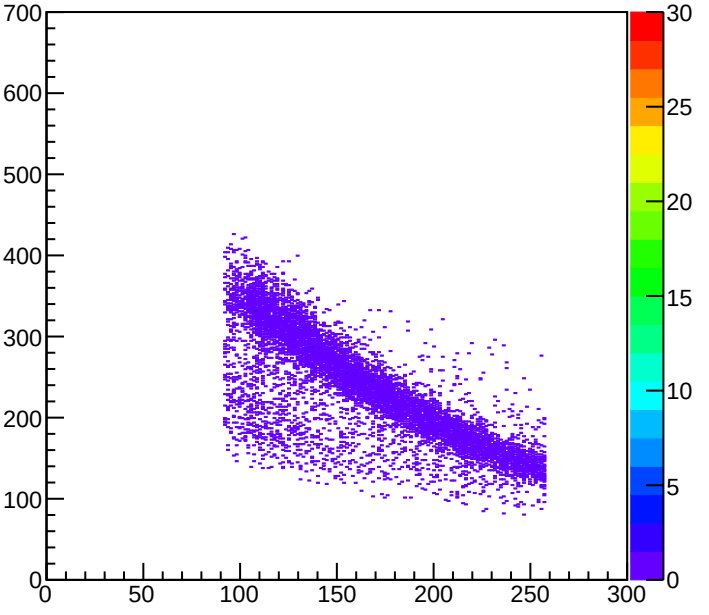

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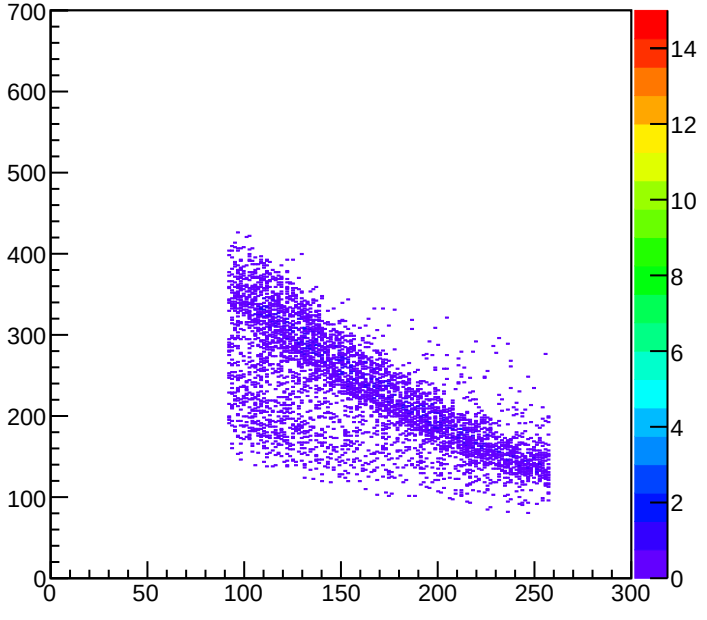

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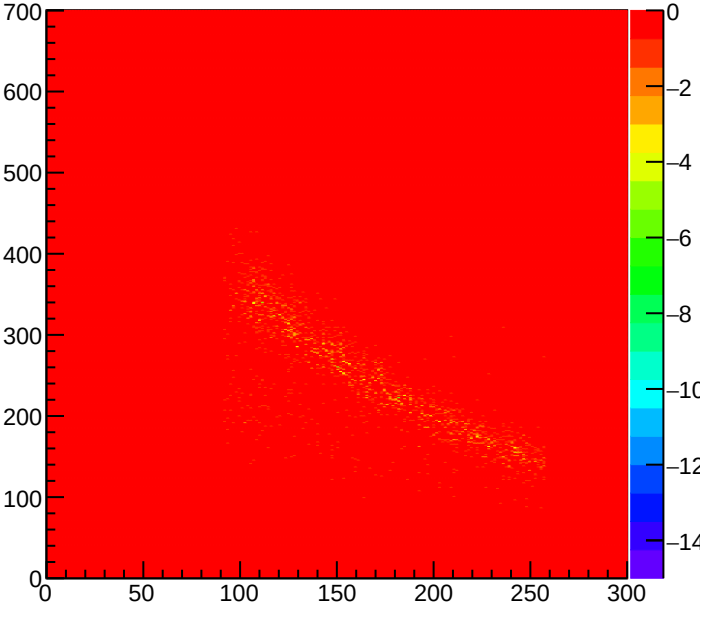

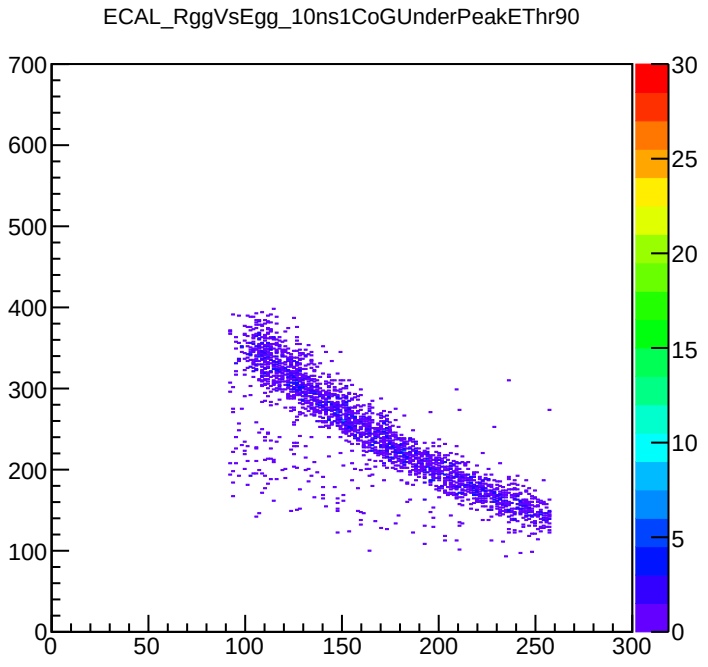
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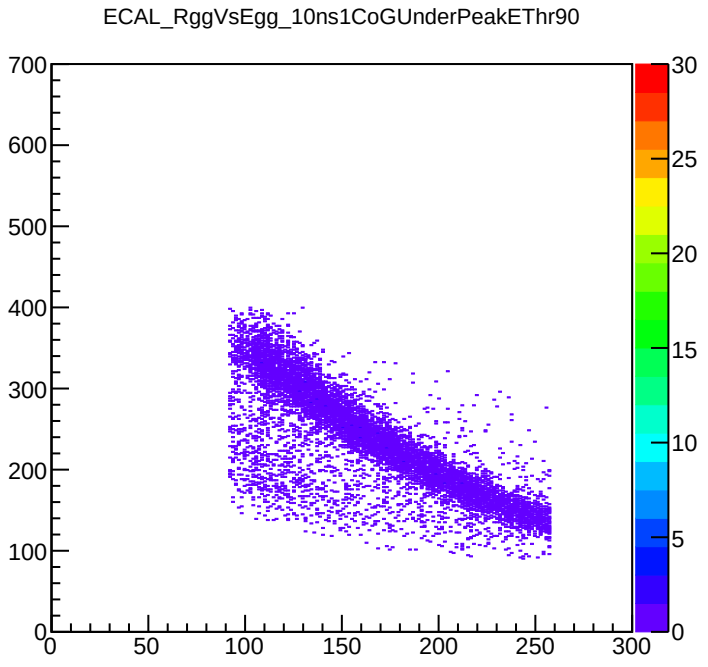
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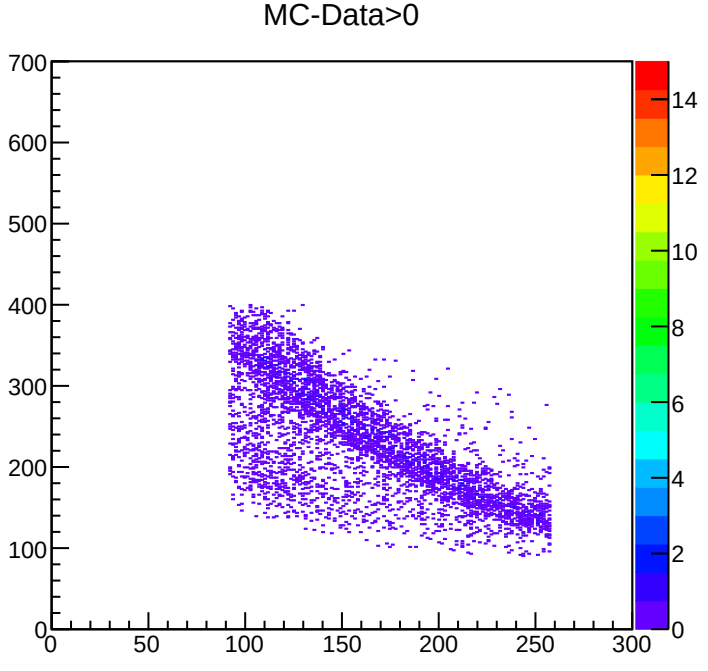
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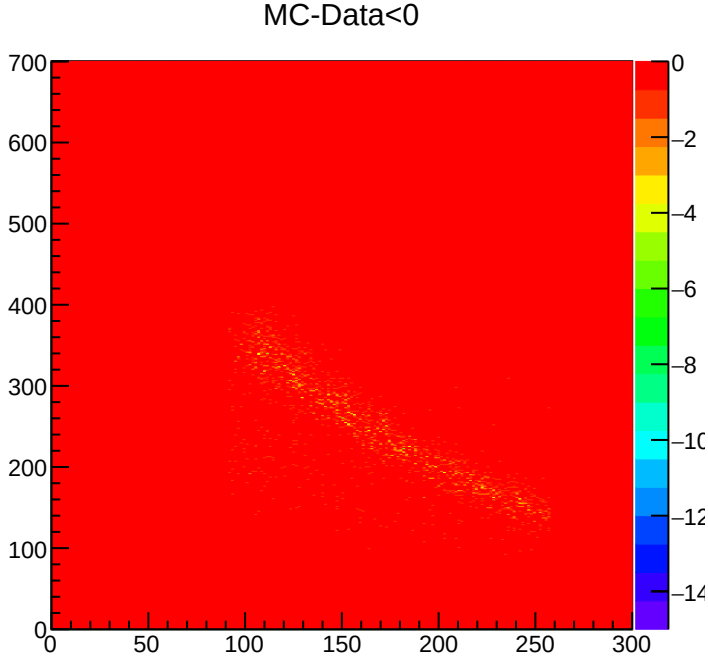
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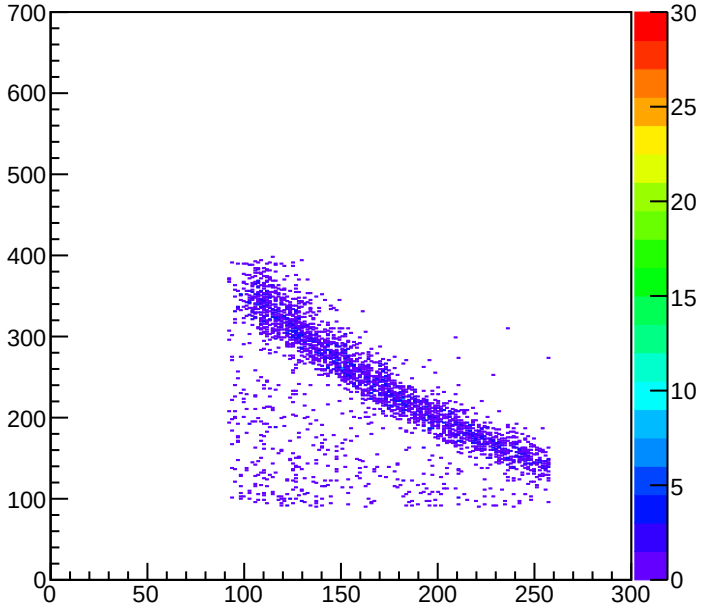

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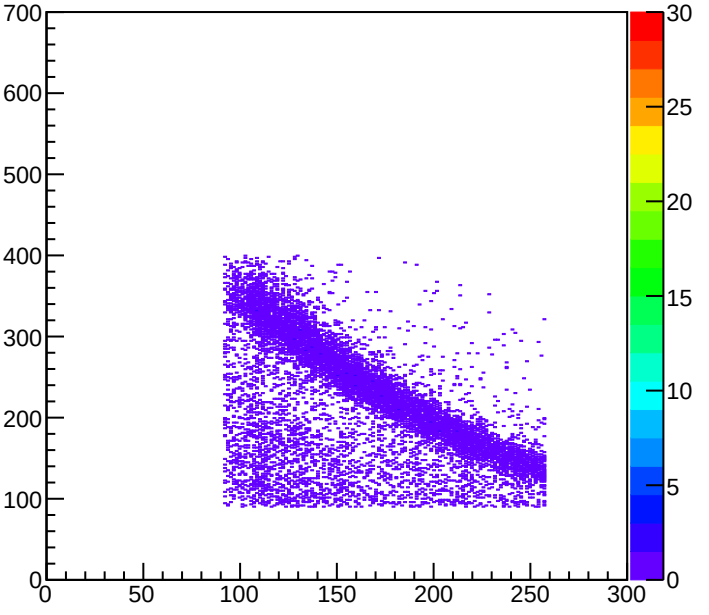

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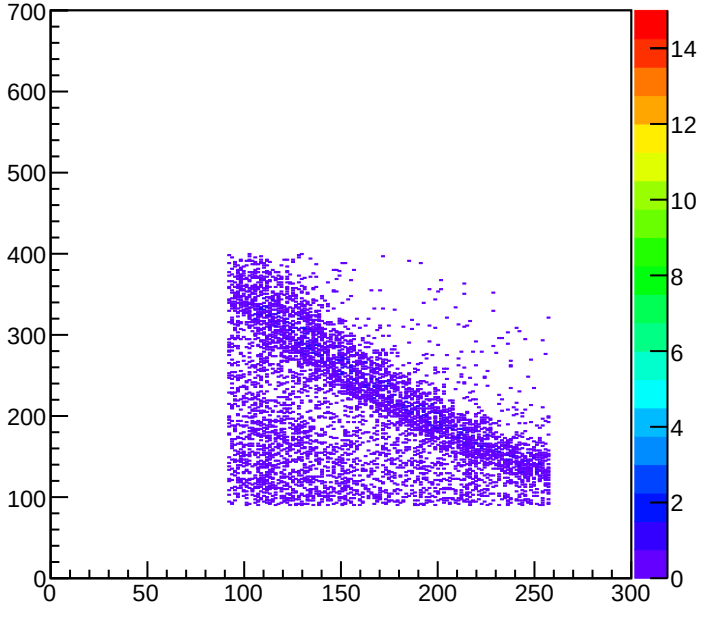

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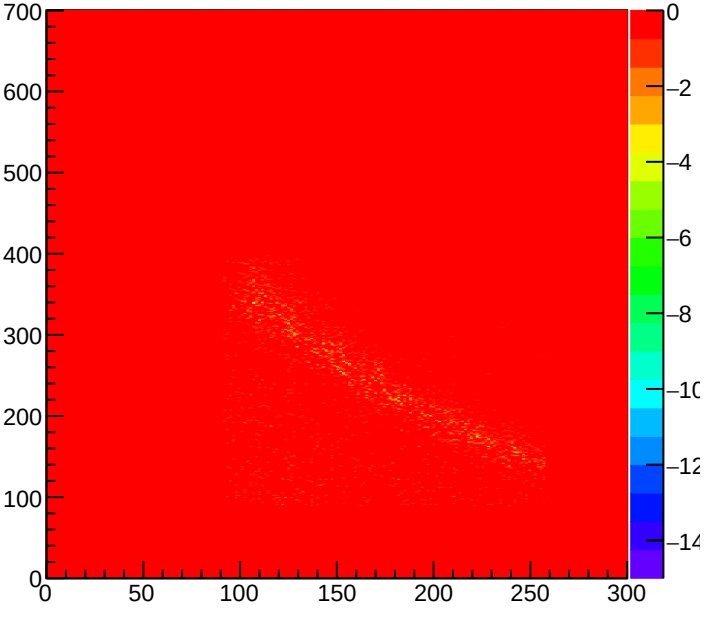

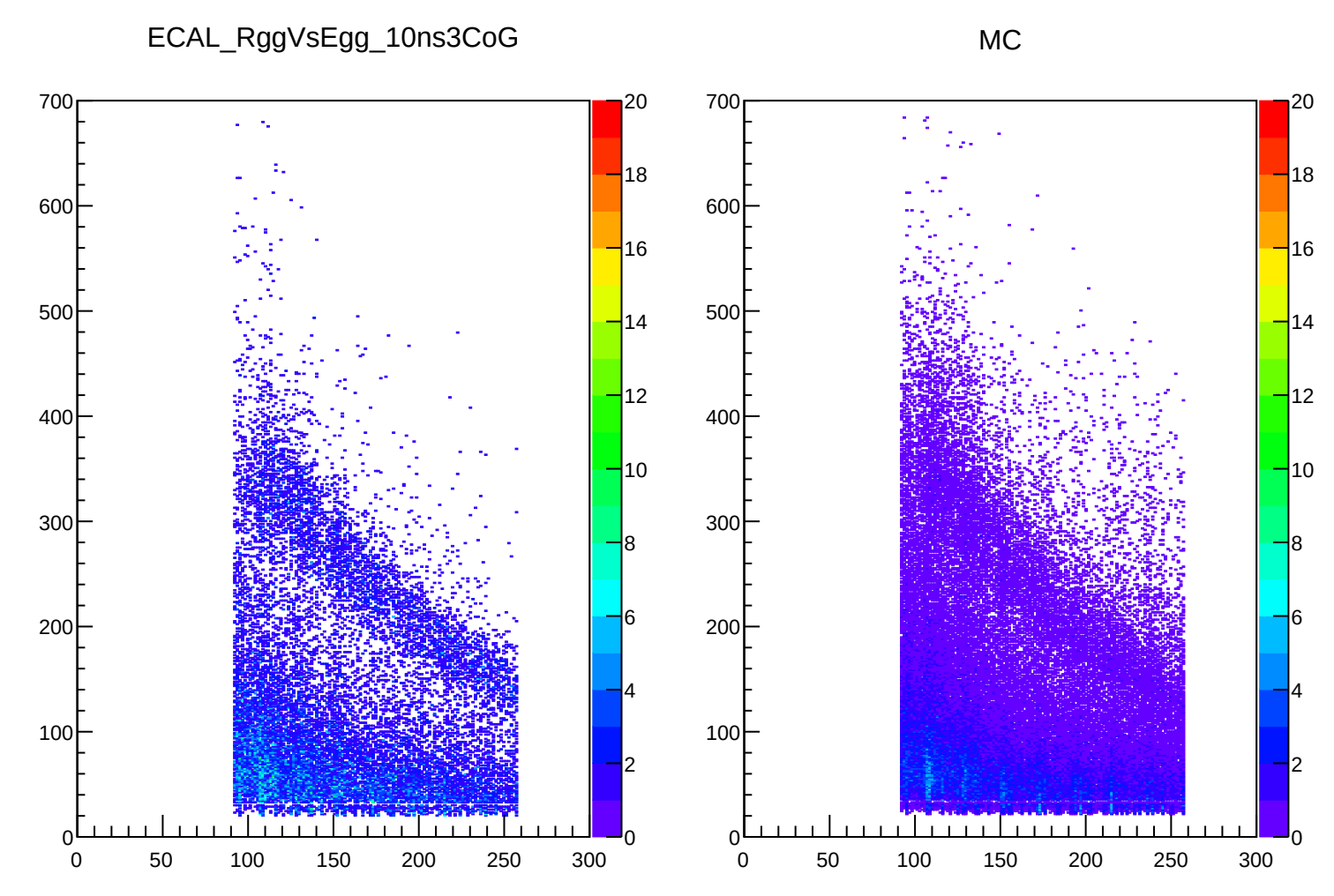
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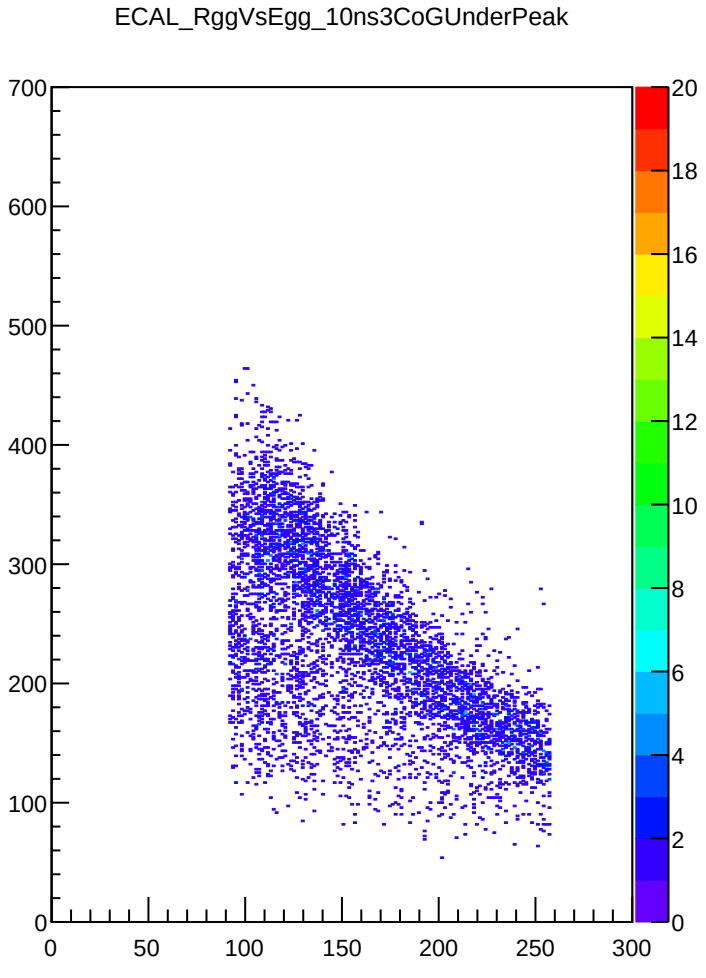
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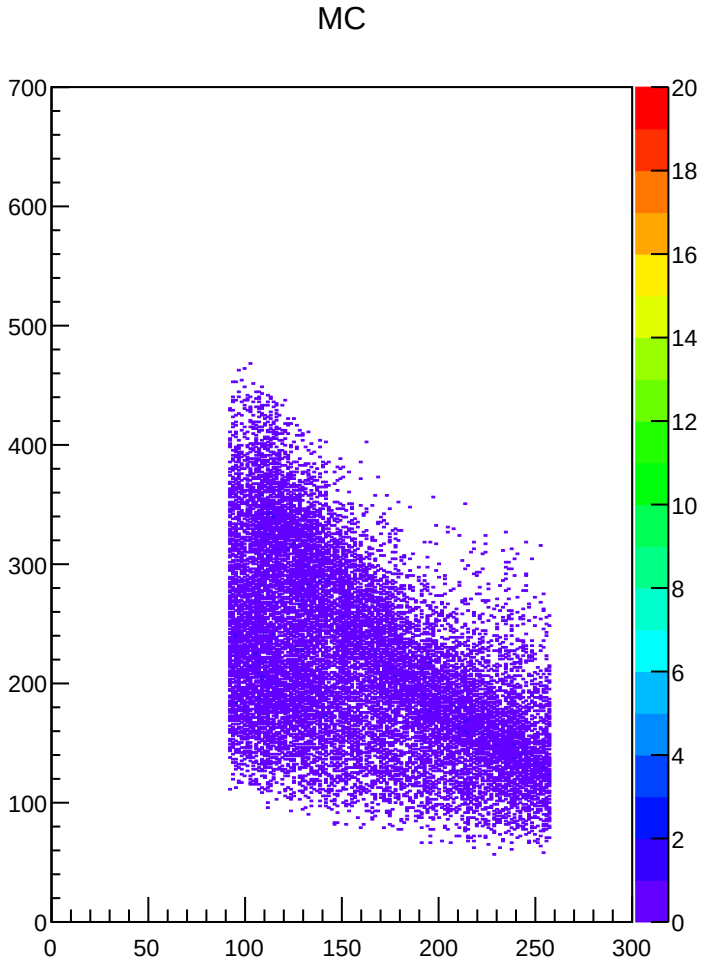
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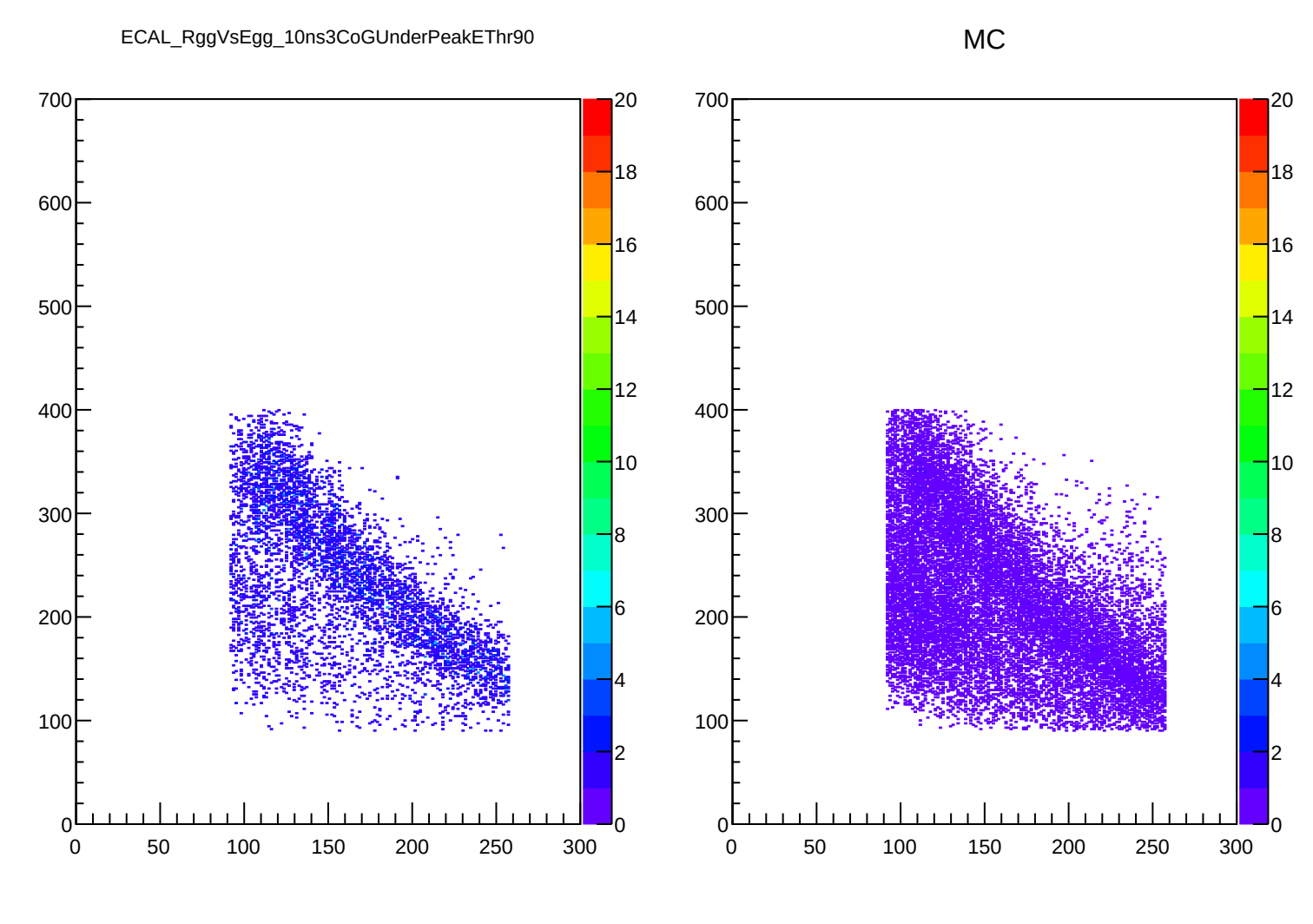
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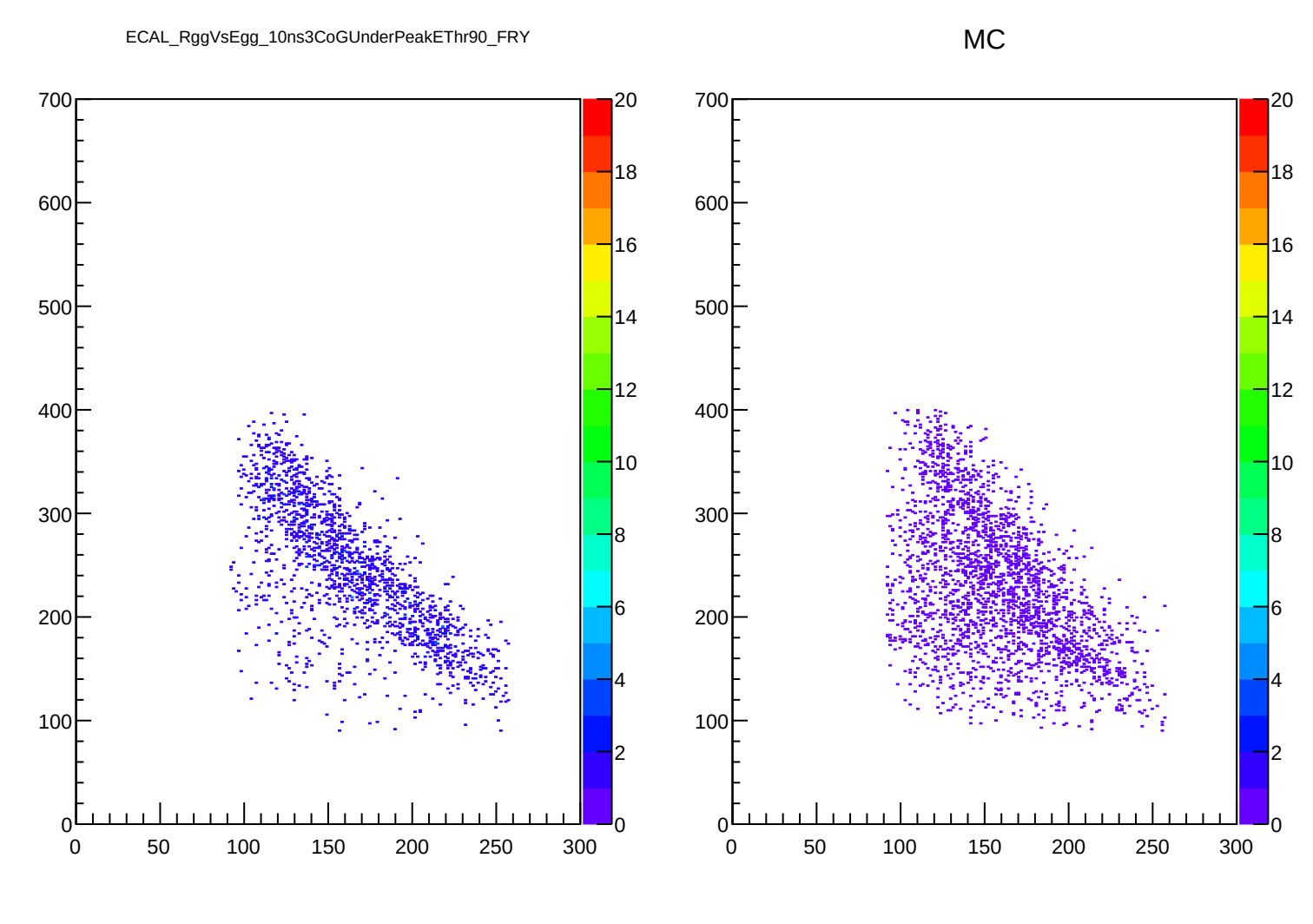
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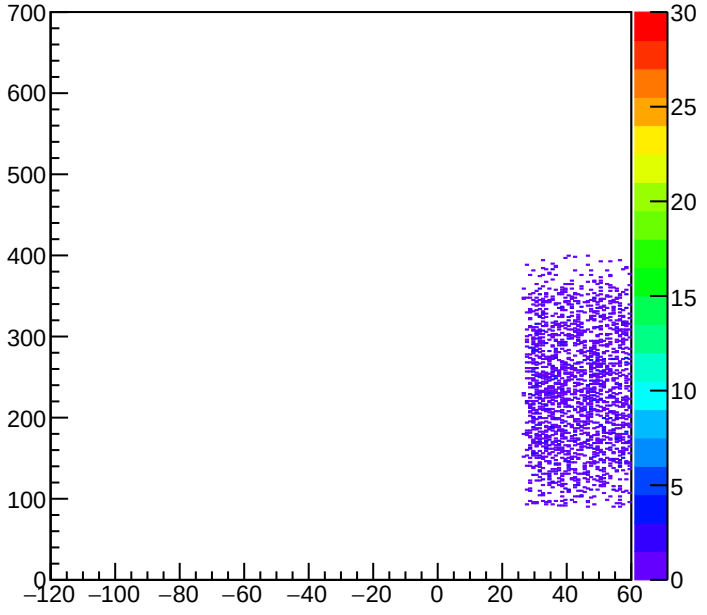

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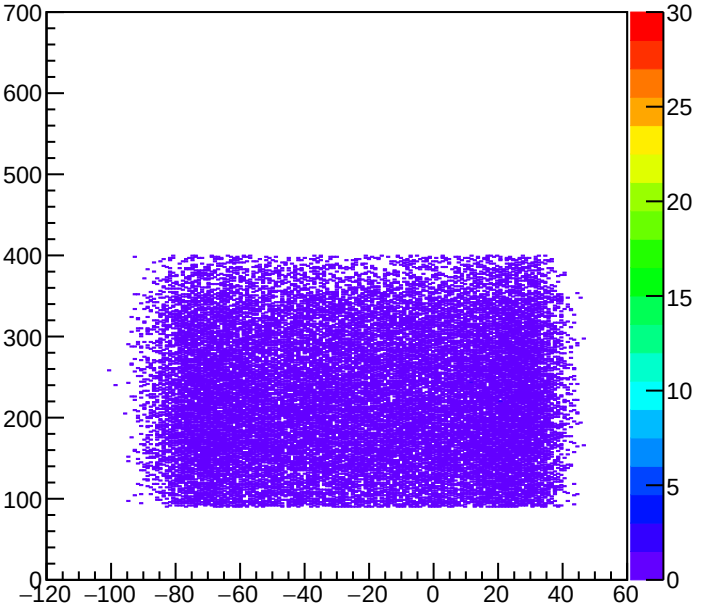

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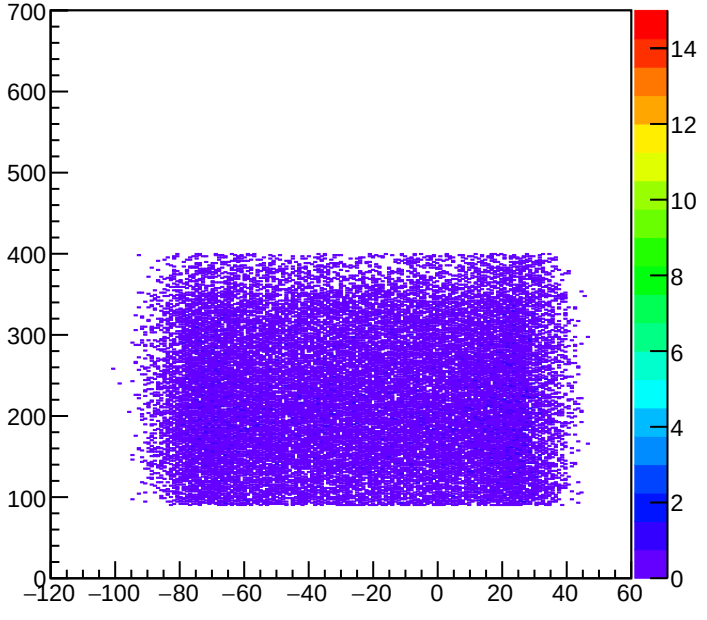

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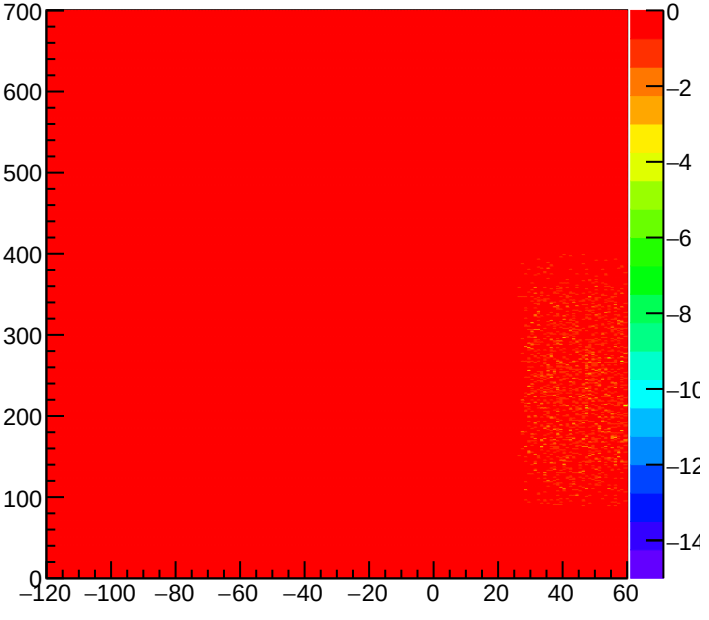

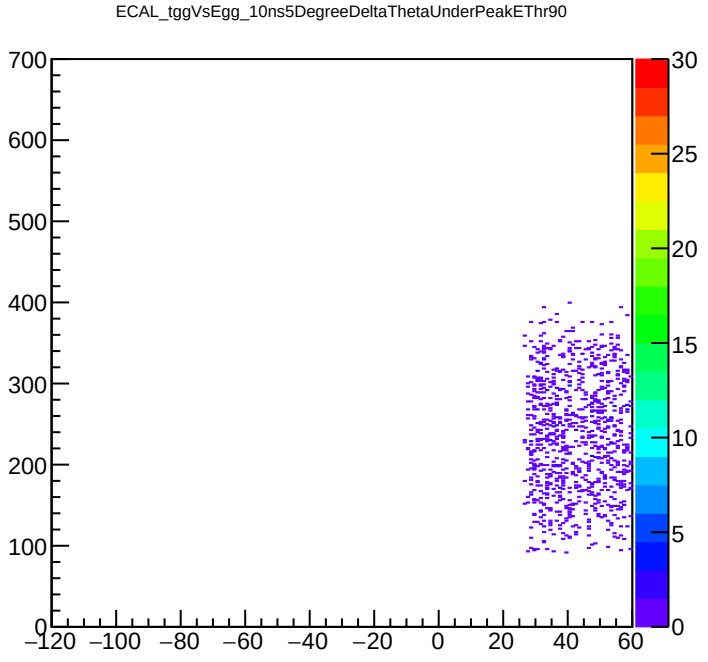
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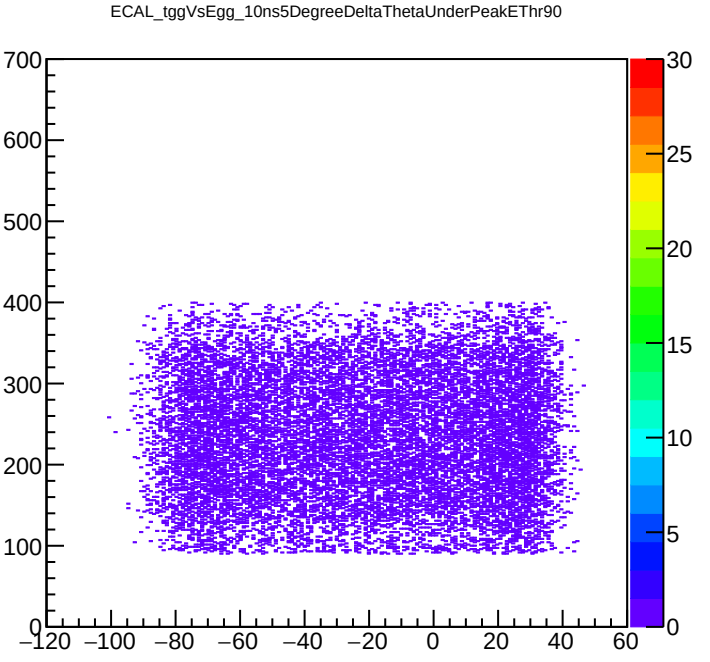
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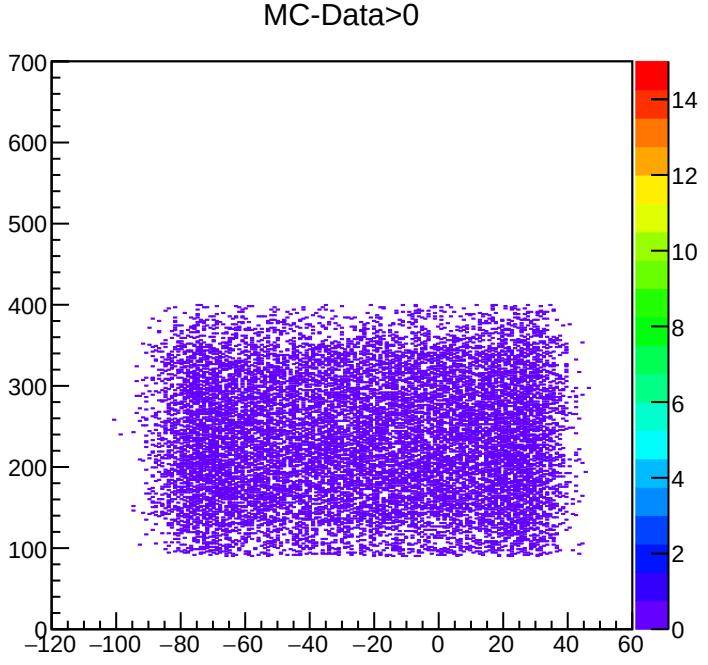
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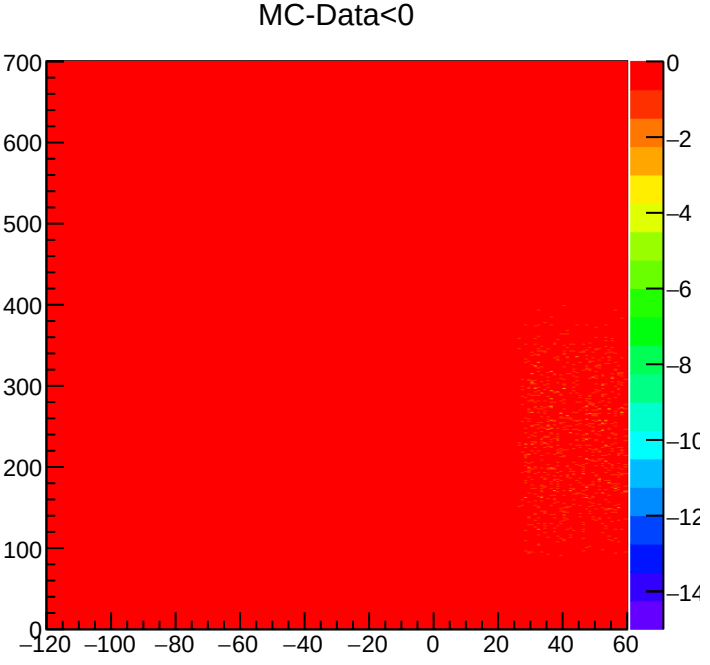
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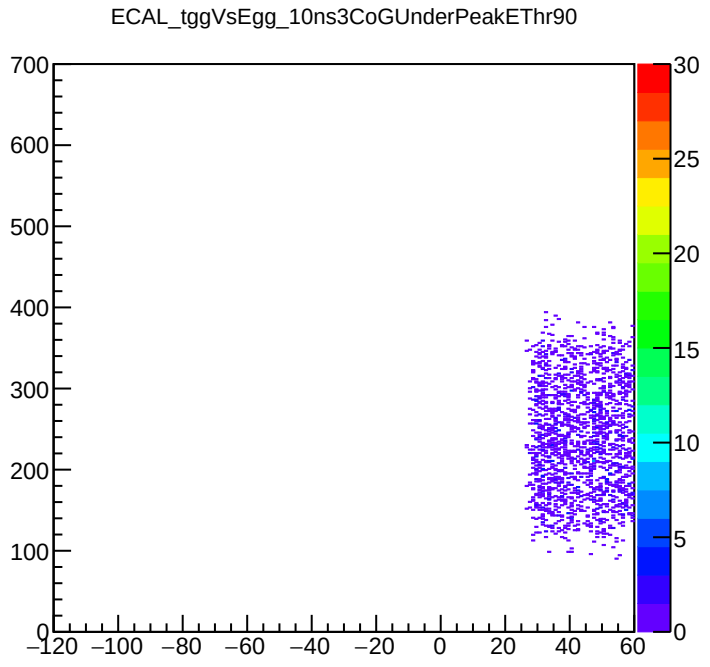
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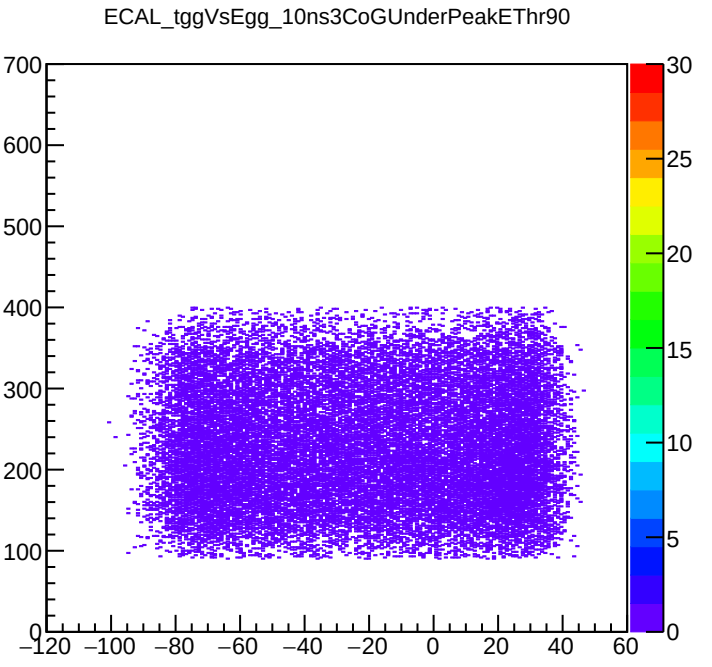
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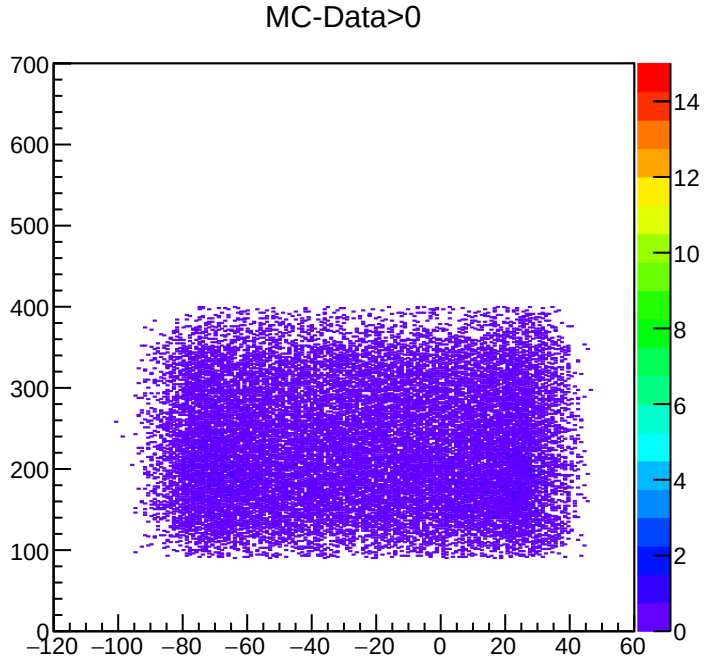
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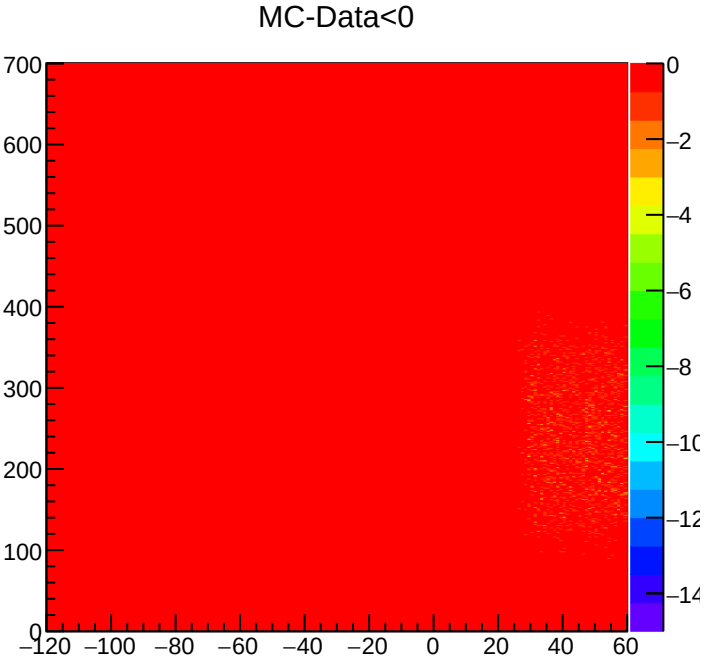
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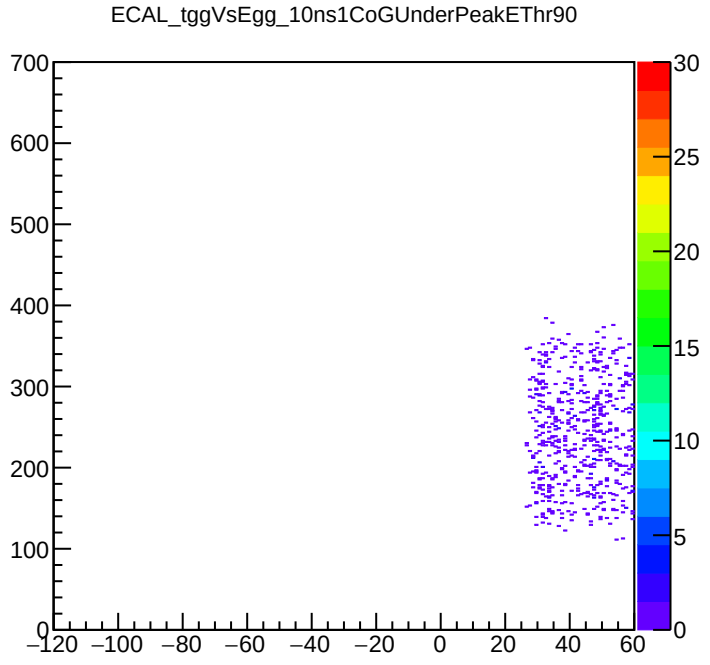
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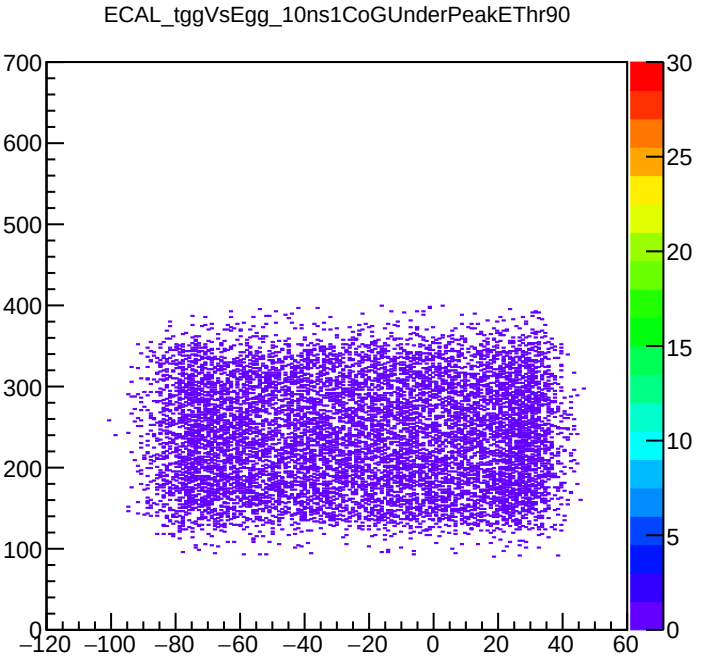
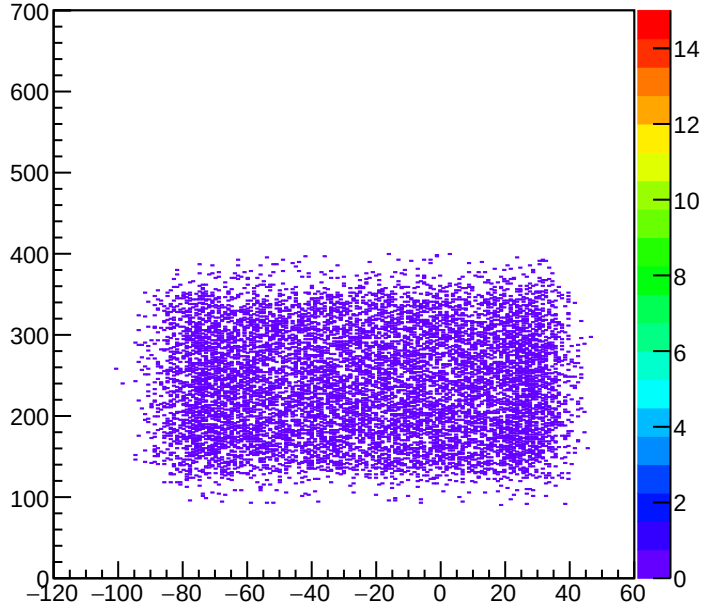
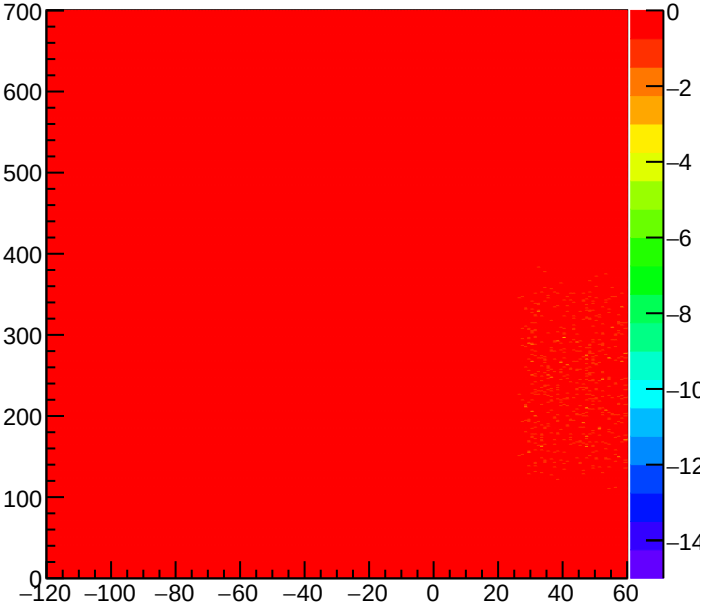
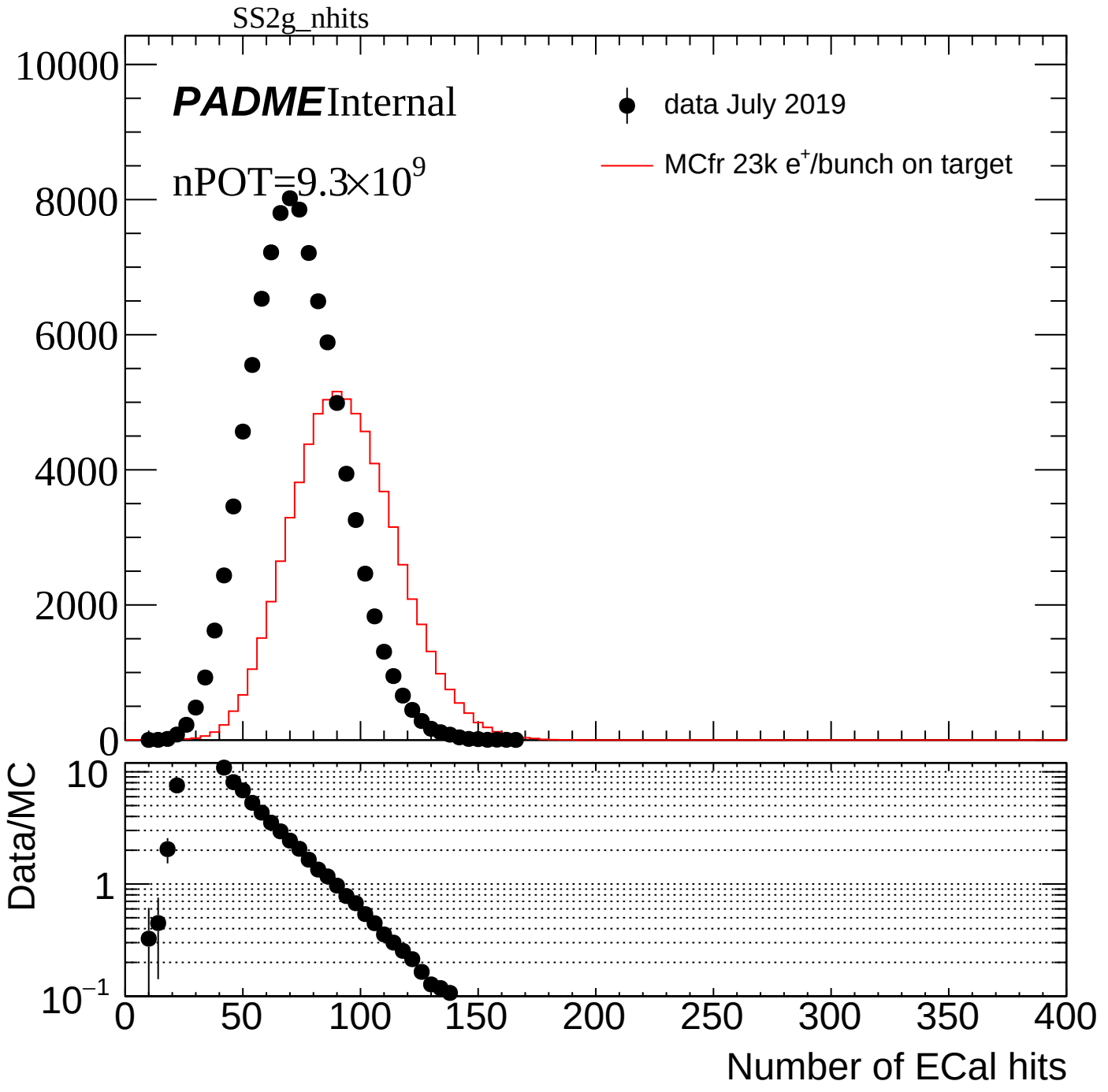
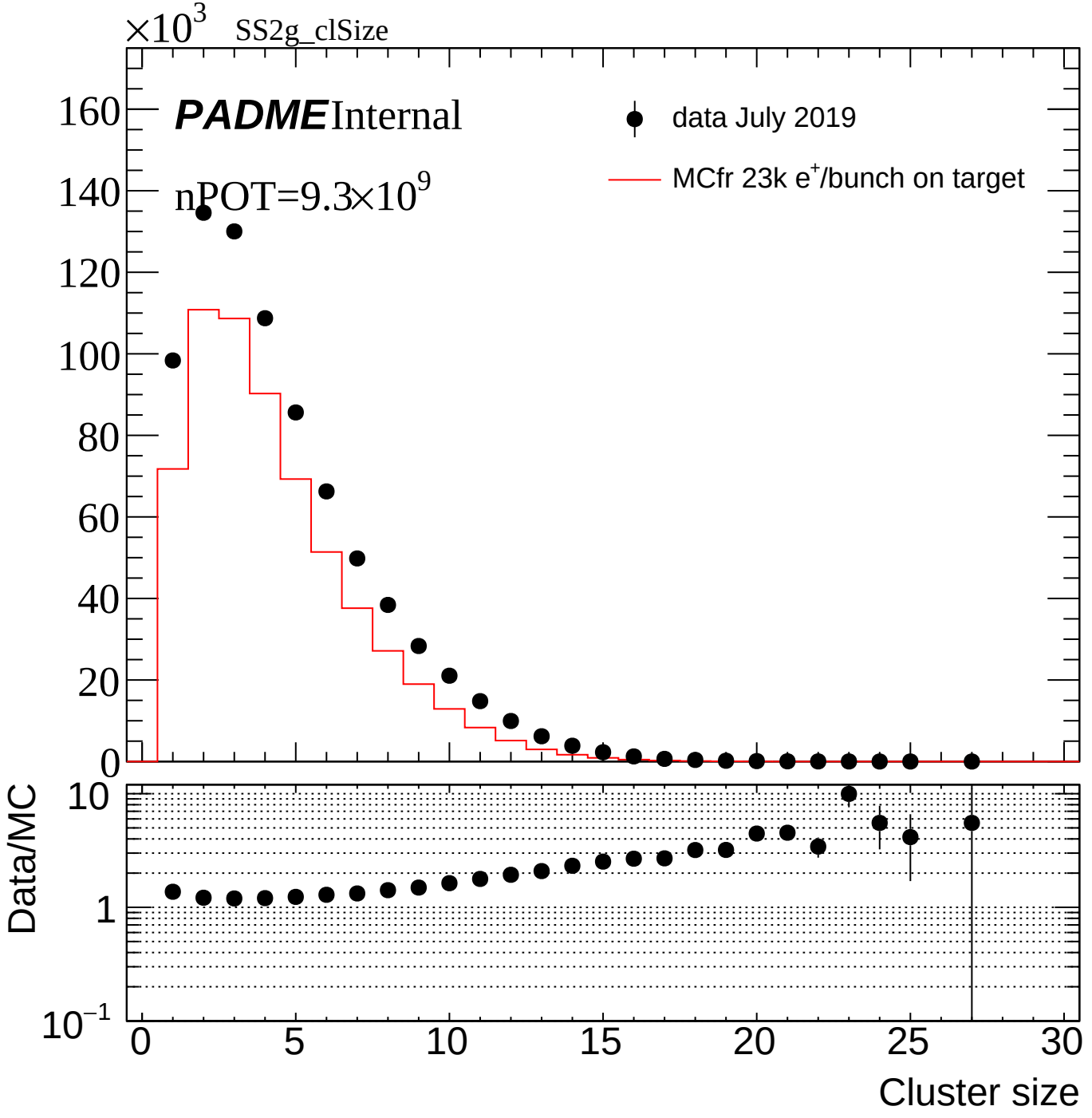
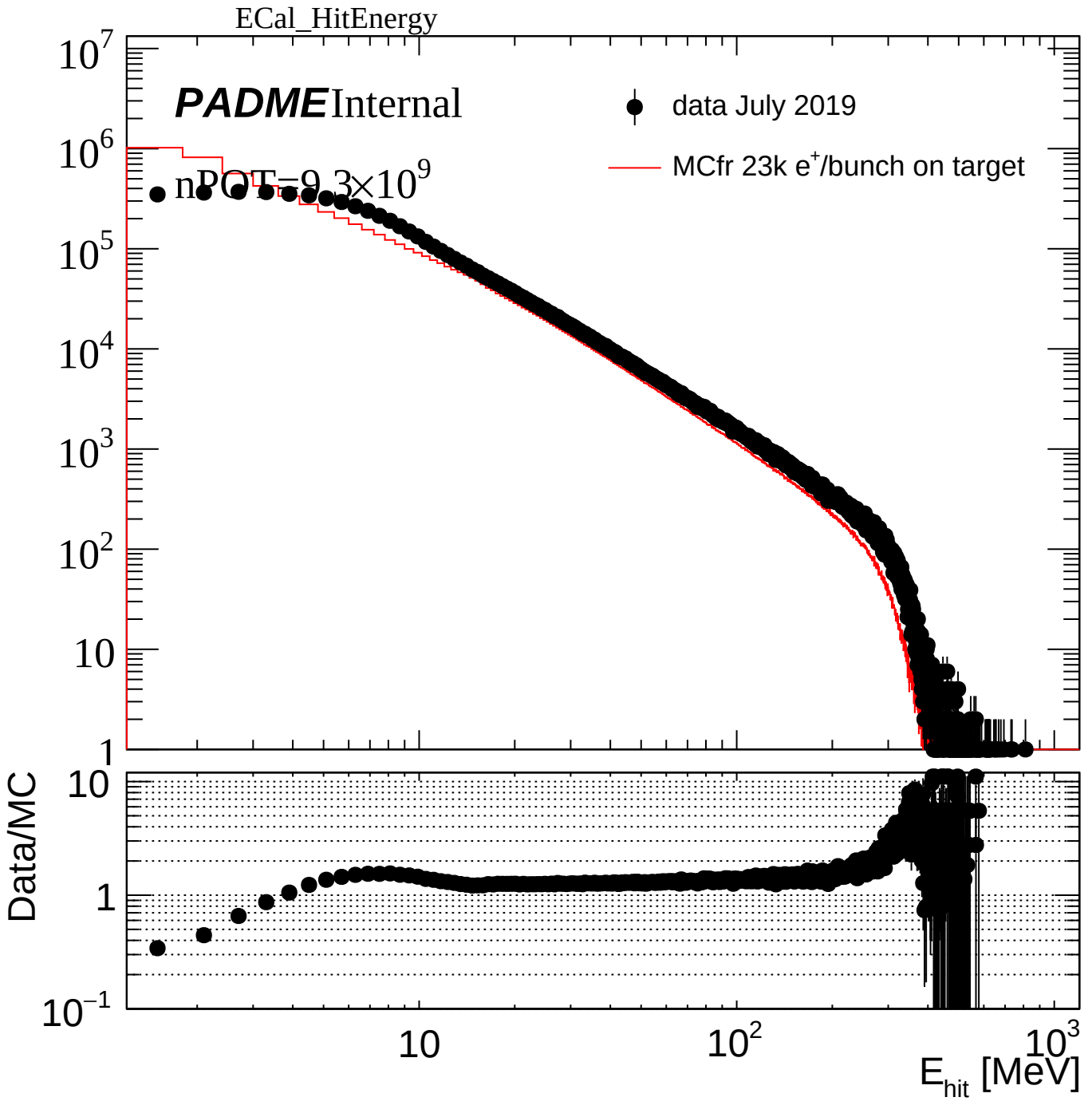

ECAL_tggVsEgg_10ns1CoGUnderPeakEThr90
700
600
500
400
300
200
100
0
−120 −100 −80 −60 −40 −20 0 20 40 60
30
25
20
15
10
5
0

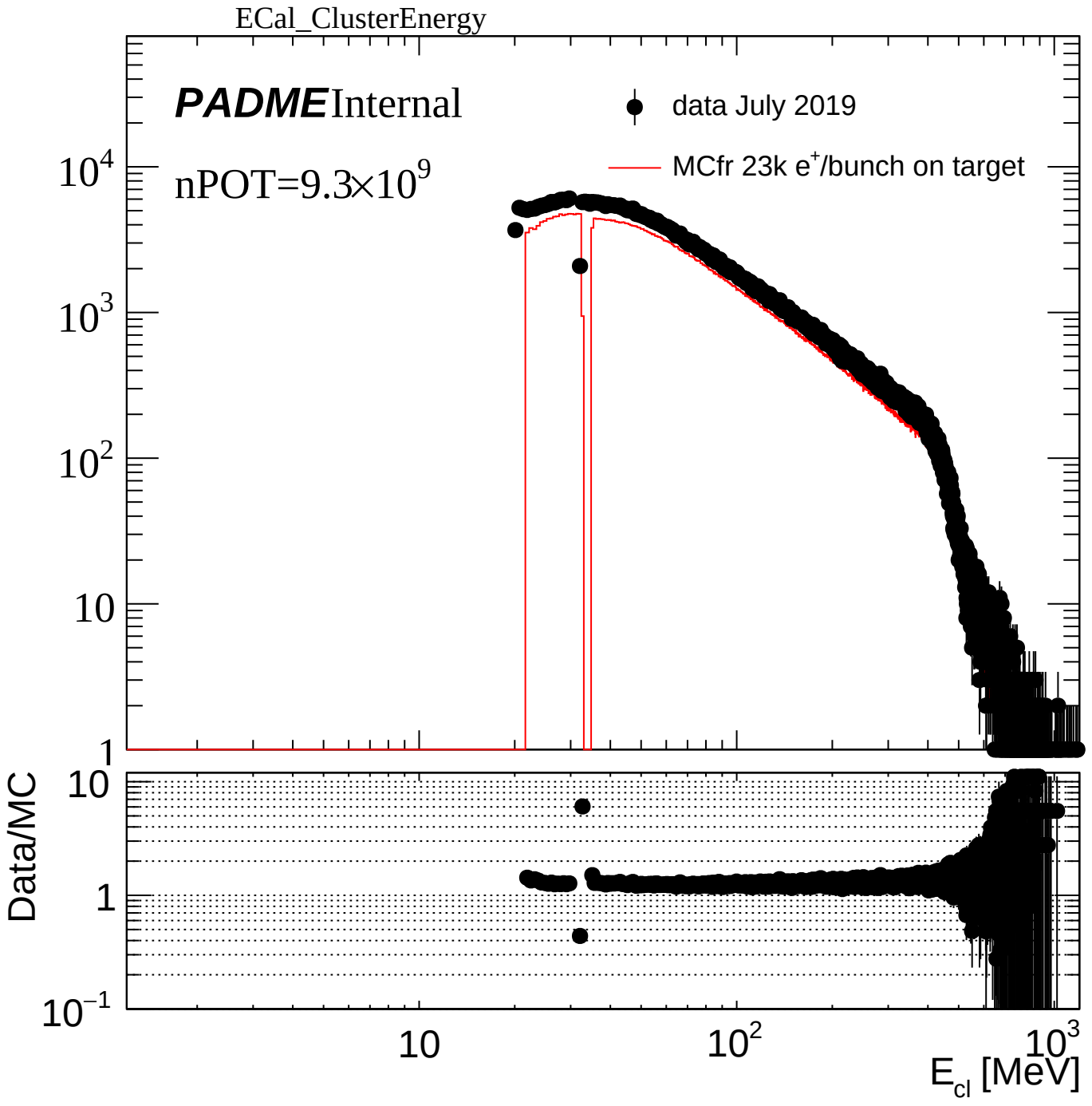

MC-Data>0
700
600
500
400
300
200
100
0
−120 −100 −80 −60 −40 −20 0 20 40 60
14
12
10
8
6
4
2
0

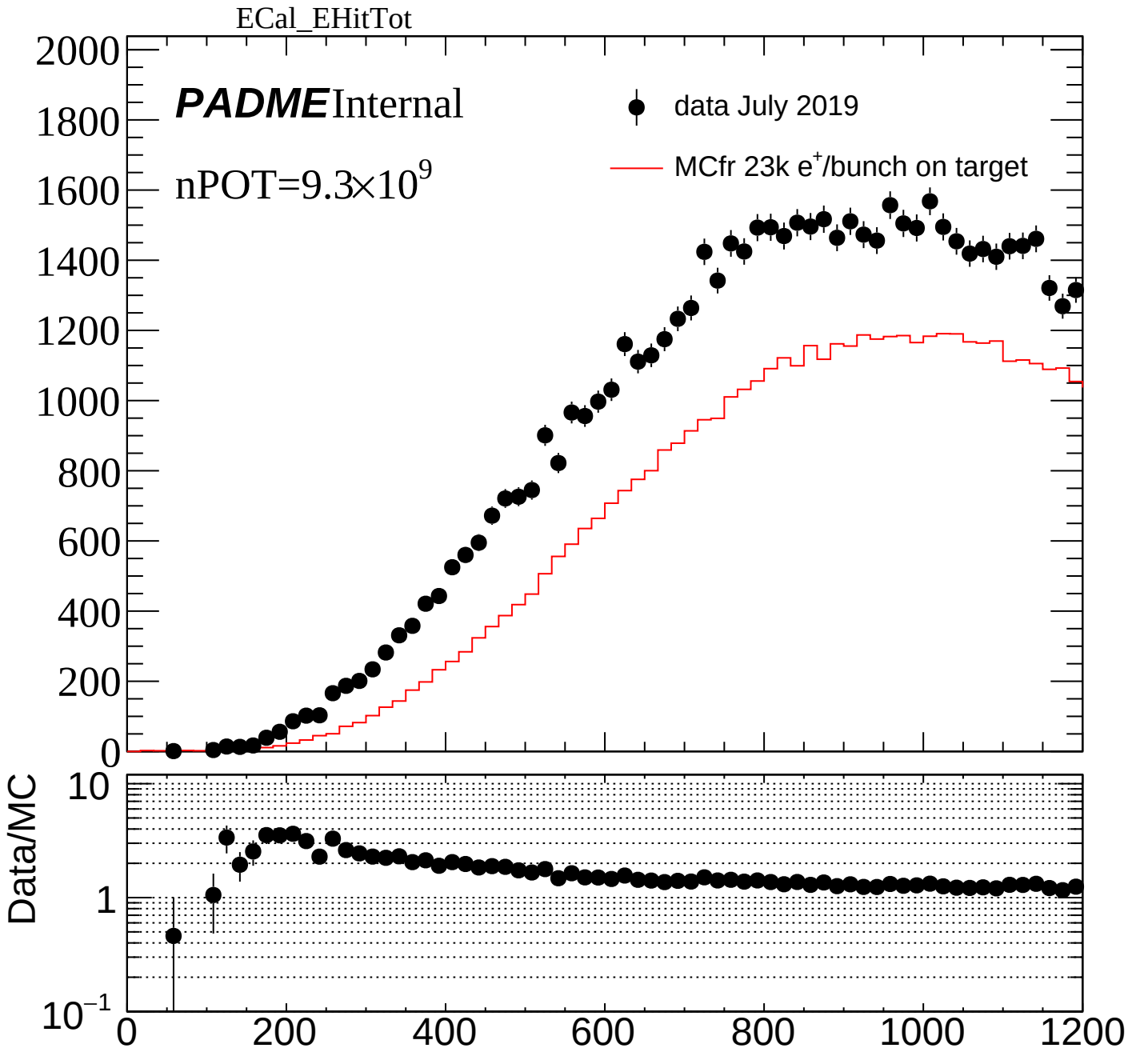

MC-Data<0
700
600
500
400
300
200
100
0
−120 −100 −80 −60 −40 −20 0 20 40 60
0
−2
−4
−6
−8
−10
−12
−14

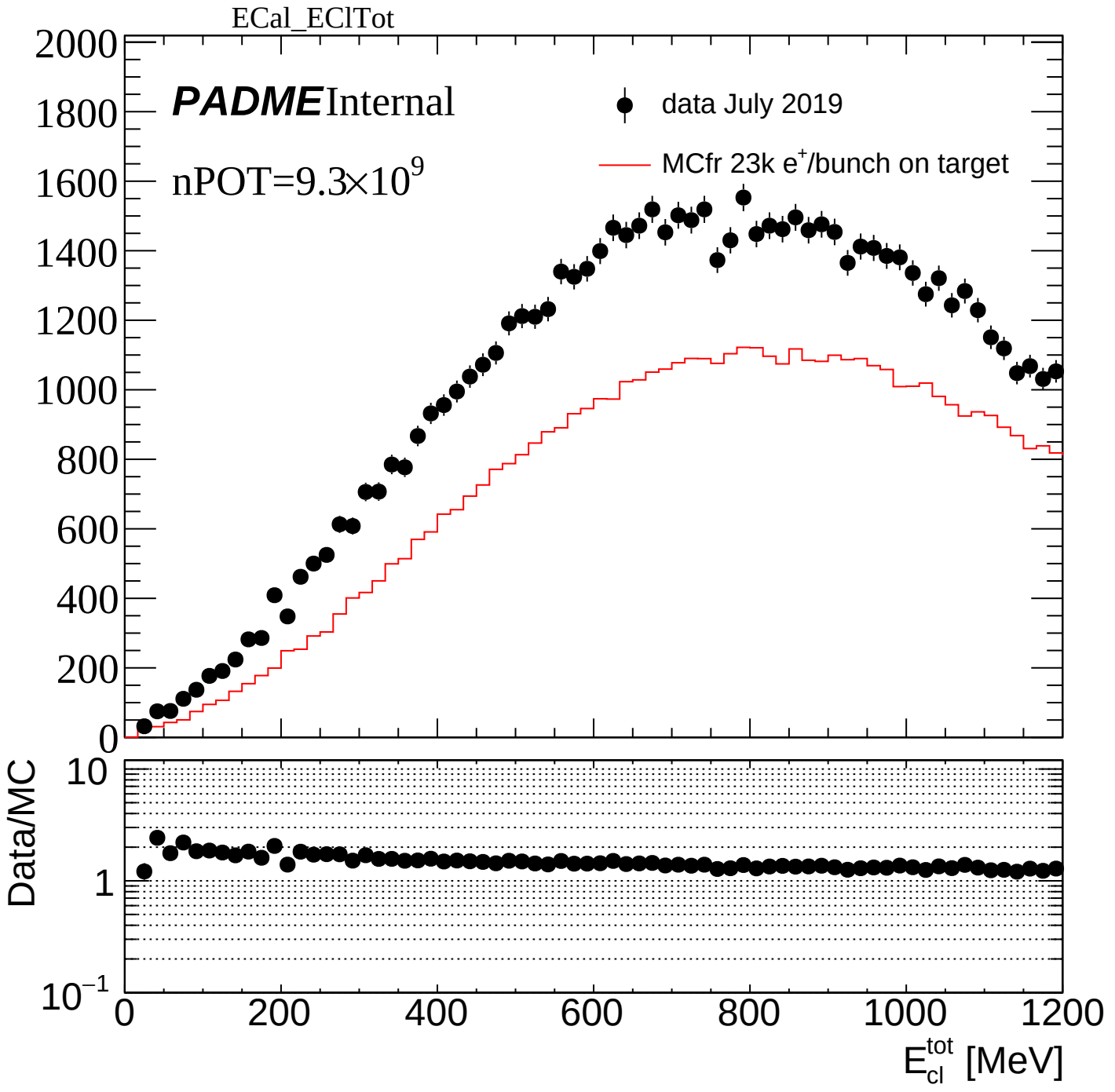

SS2g_nhits
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
10000
8000
6000
4000
2000
0
Data/MC
10
1
10^−1
0
50
100
150
200
250
300
350
400
Number of ECal hits

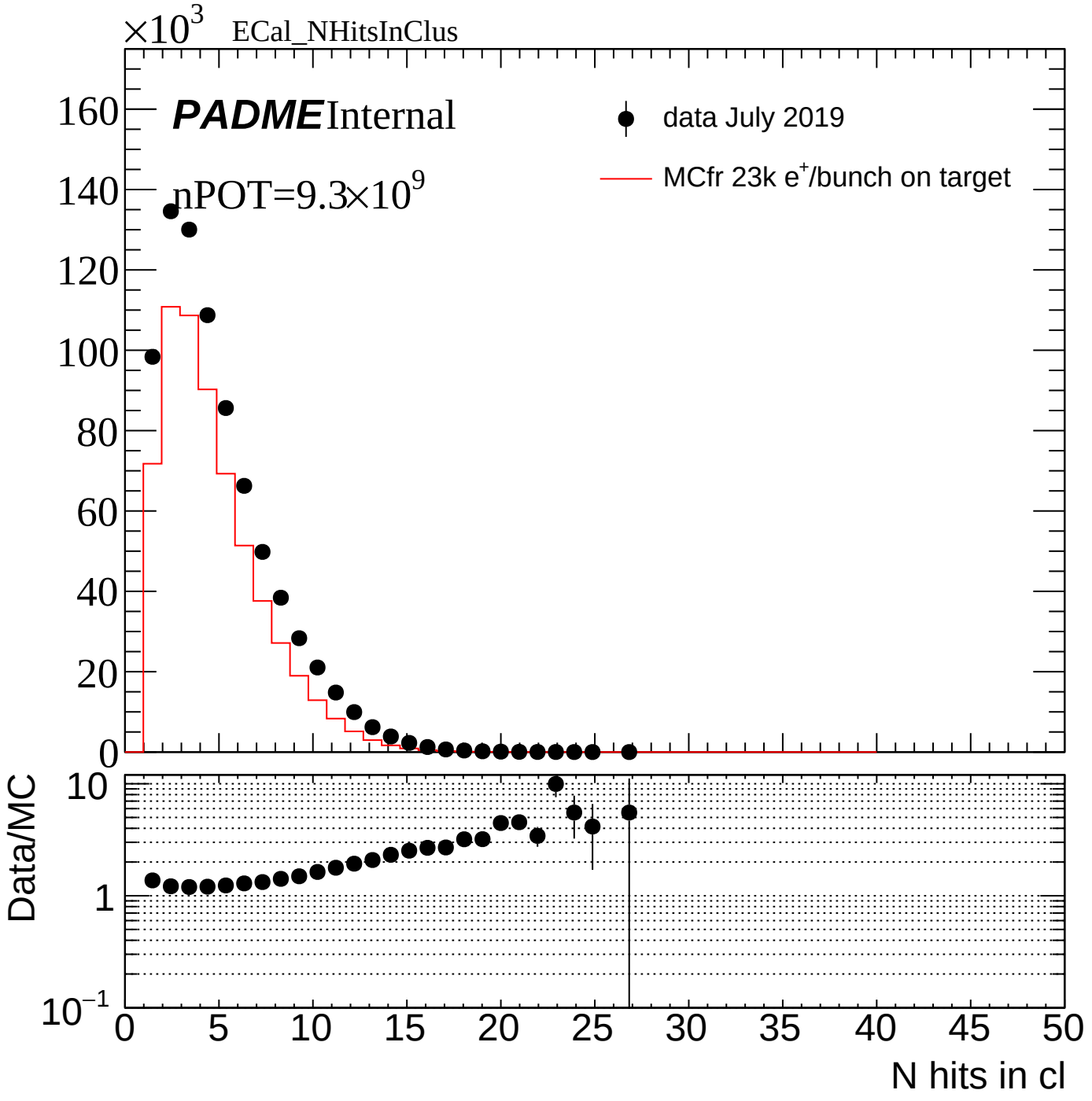

×10^3 SS2g_clSize
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
5
10
15
20
25
30
Cluster size

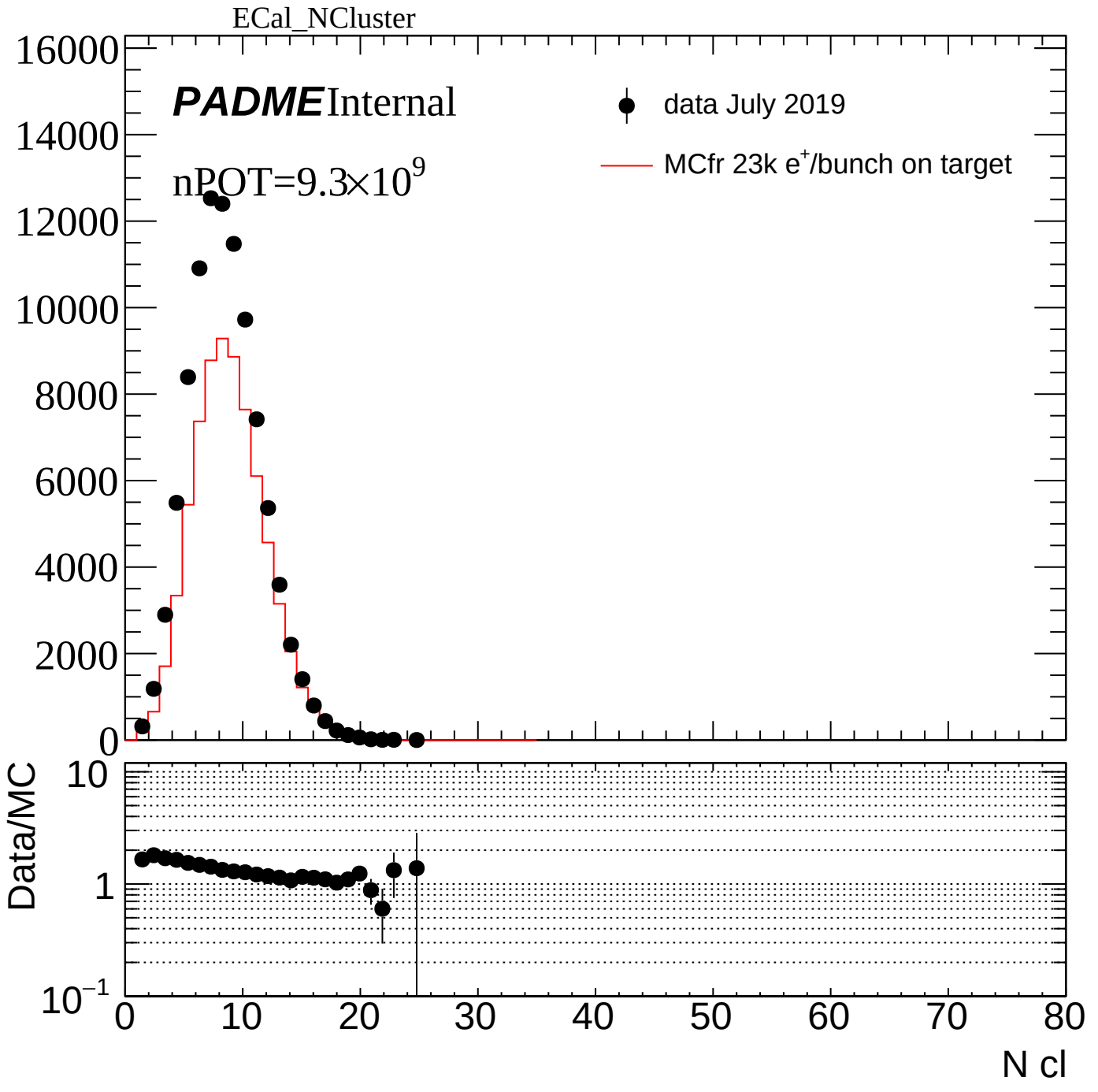

ECal_HitEnergy
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E_hit [MeV]

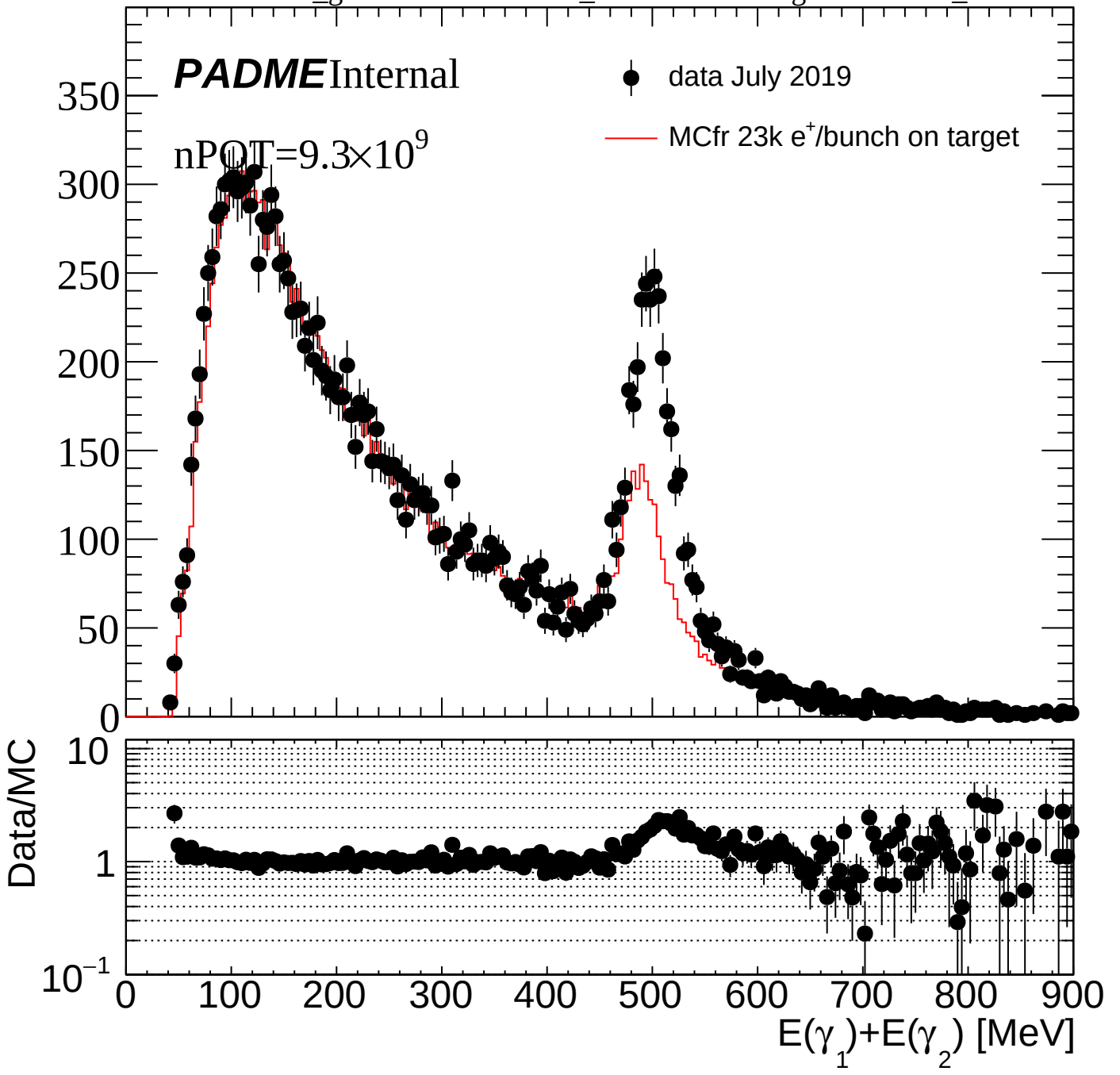

ECal_ClusterEnergy
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
10^4
10^3
10^2
10
1
Data/MC
10
1
10^-1
10
10^2
10^3
E_cl [MeV]

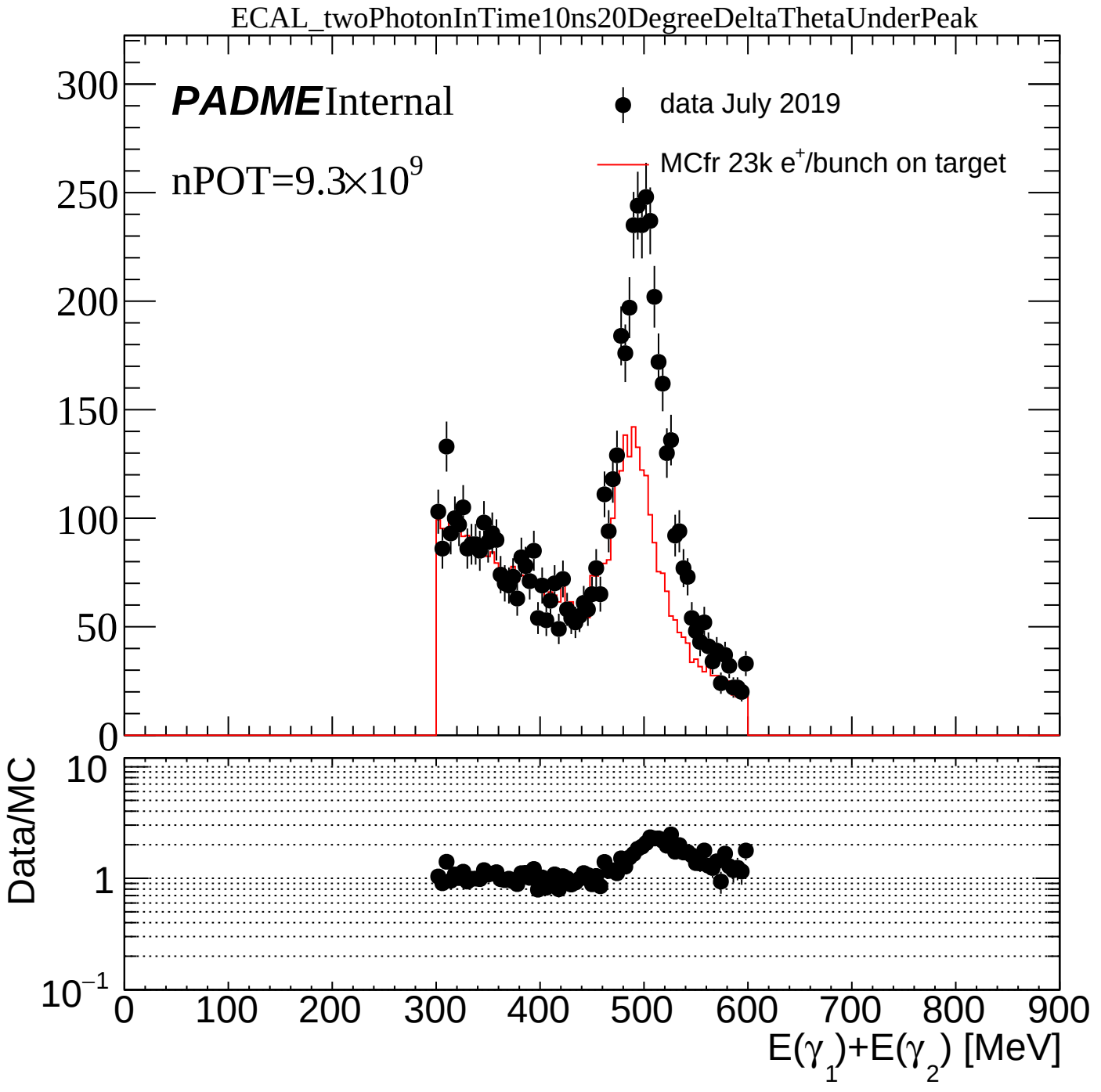

ECal_EHitTot
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
2000
1800
1600
1400
1200
1000
800
600
400
200
0
10
1
10^−1
0
200
400
600
800
1000
1200

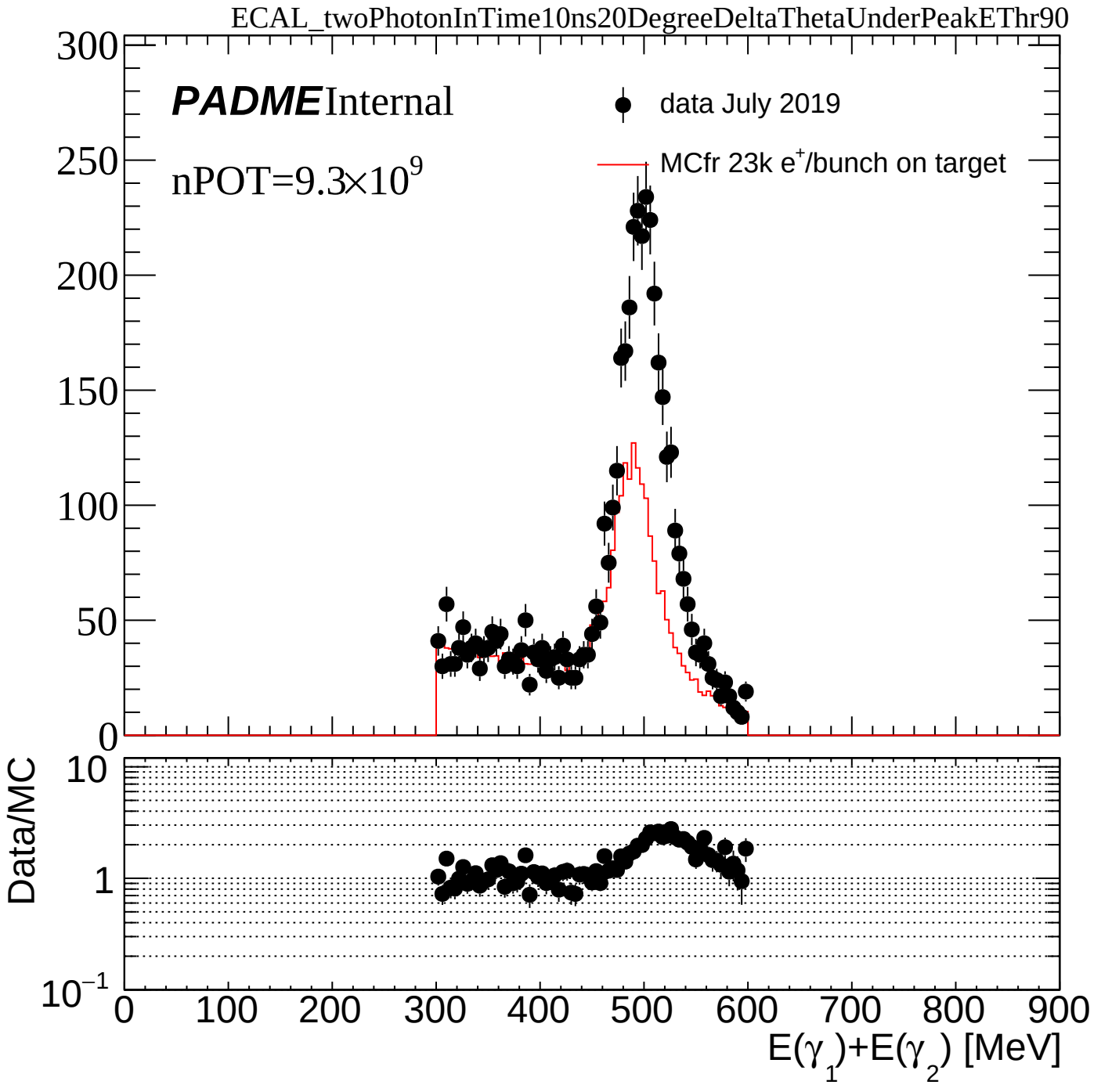

ECal_EClTot
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E_cl^tot [MeV]

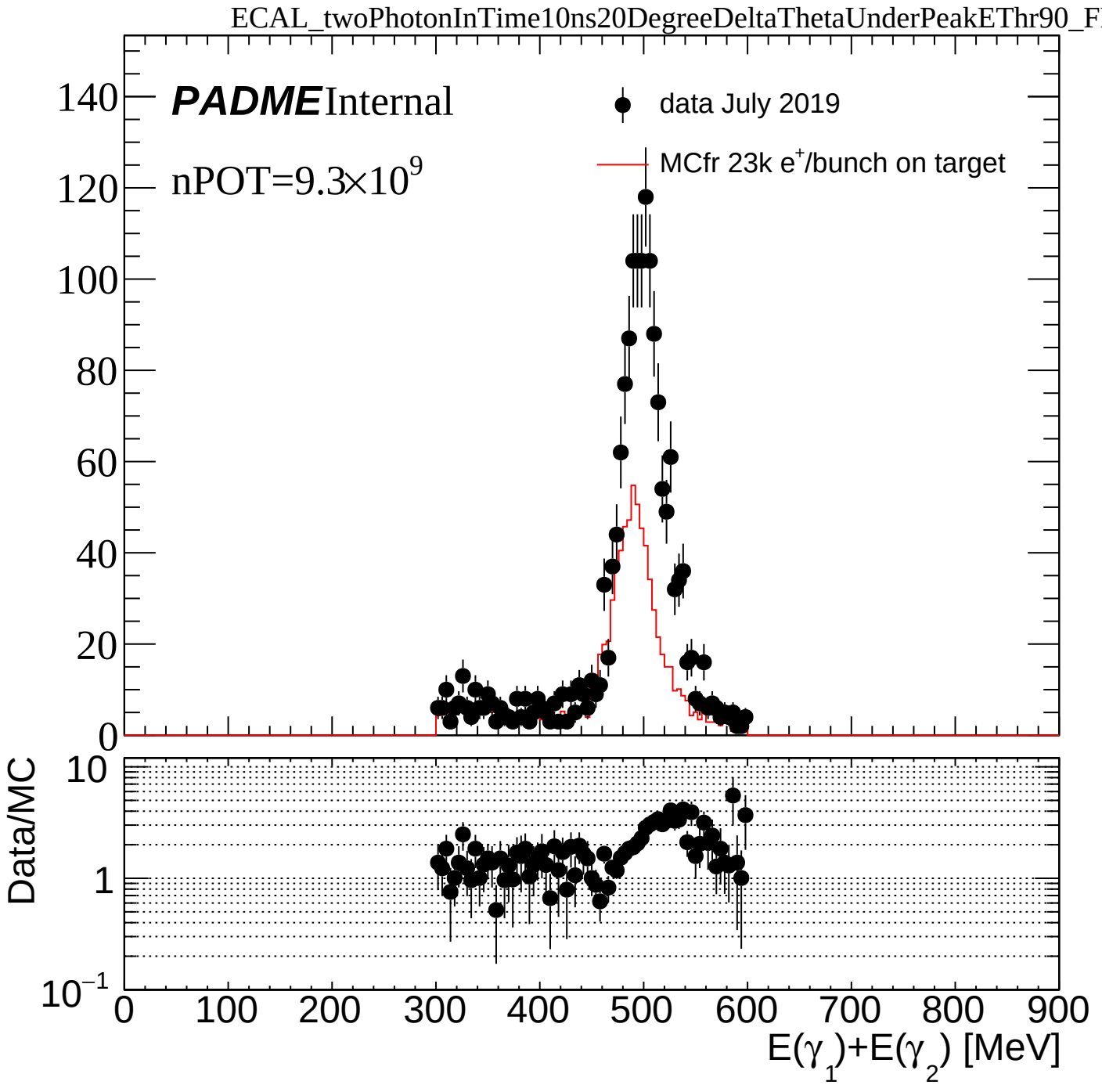

×10^3 ECal_NHitsInClus
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
5
10
15
20
25
30
35
40
45
50
N hits in cl

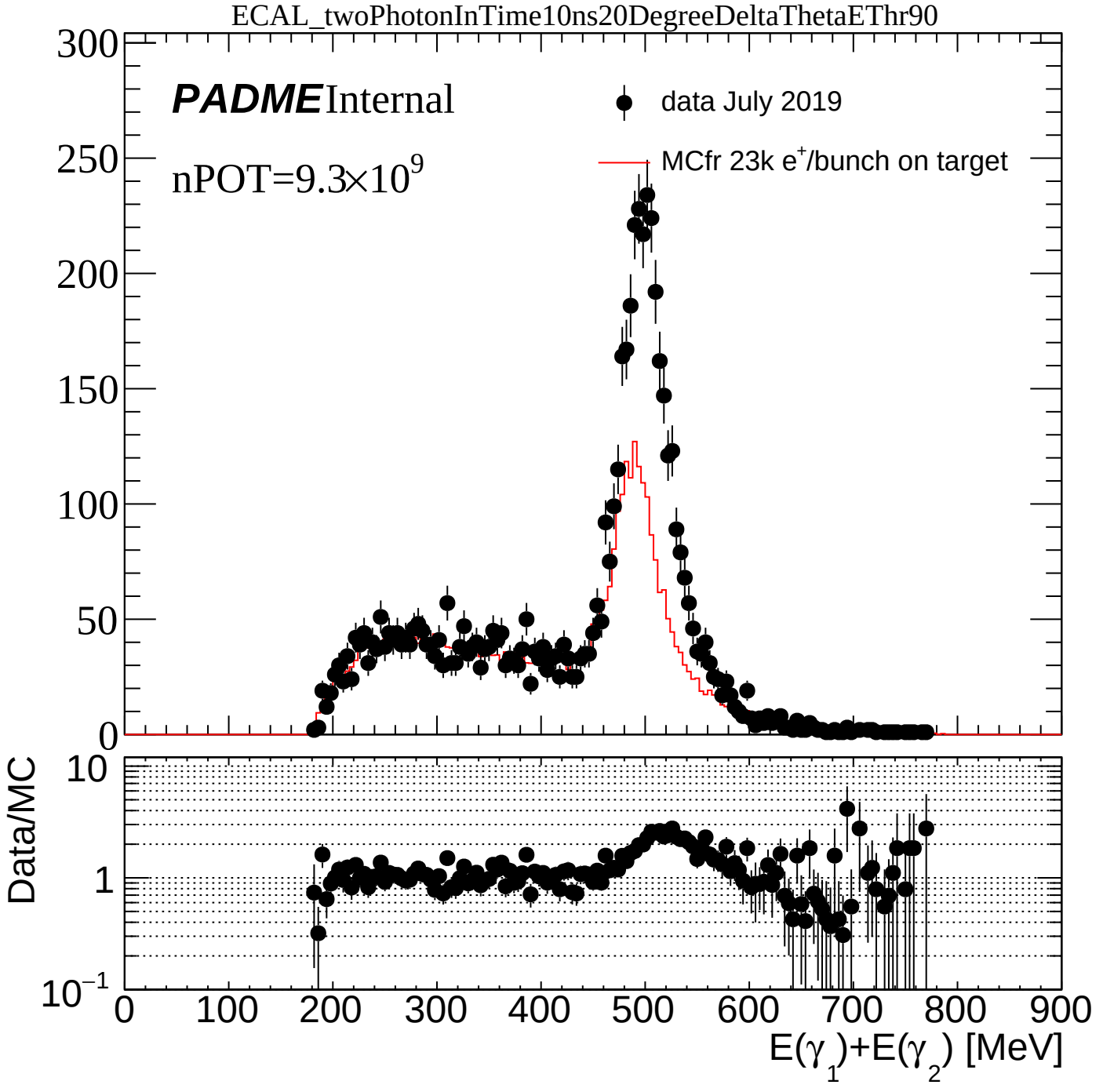

ECal_NCluster
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
16000
14000
12000
10000
8000
6000
4000
2000
0
Data/MC
10
1
10^−1
0
10
20
30
40
50
60
70
80
N cl

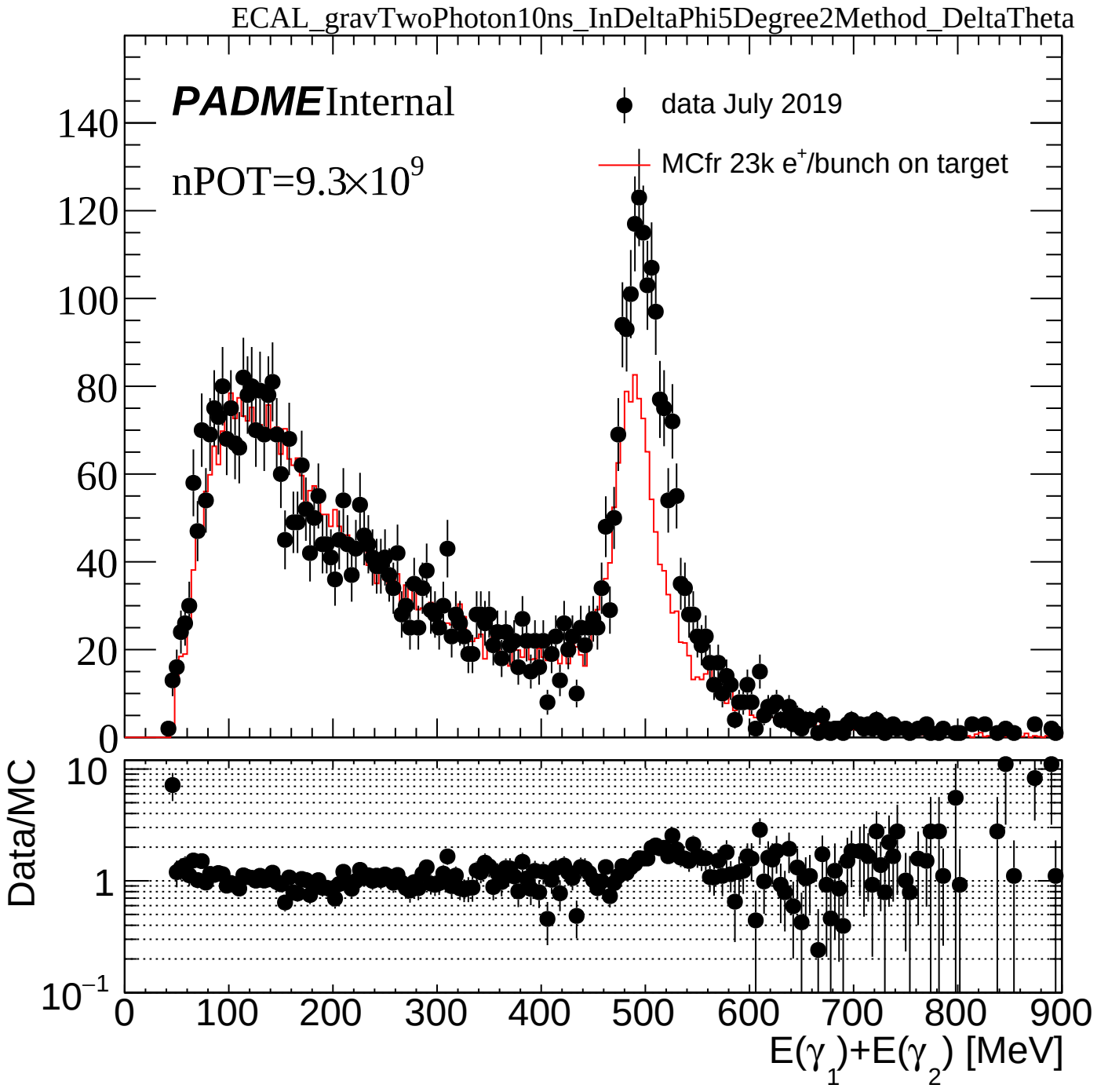

ECAL_gravTwoPhoton10ns_InDeltaPhi20Degree2Method_DeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
350
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

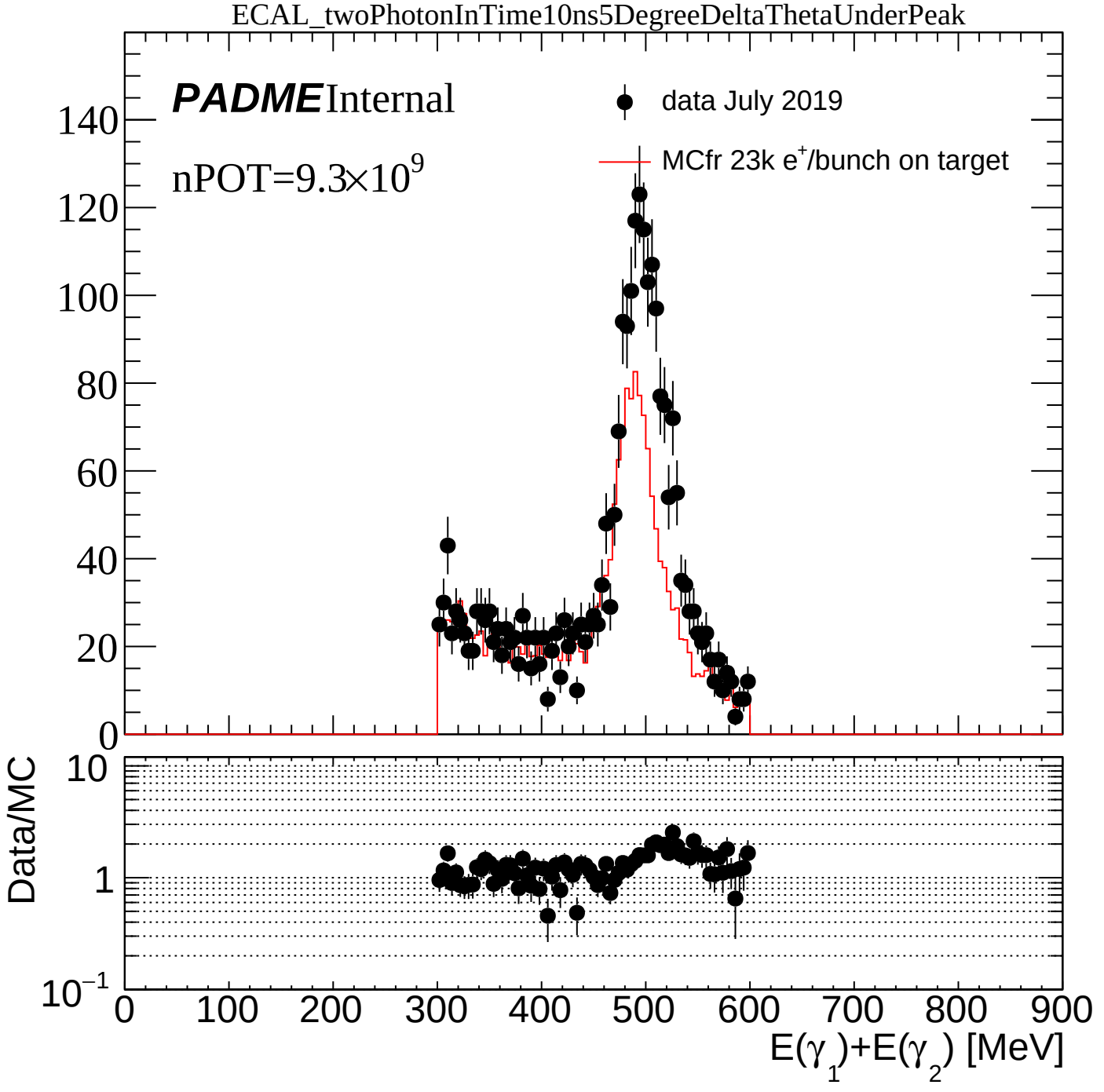

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

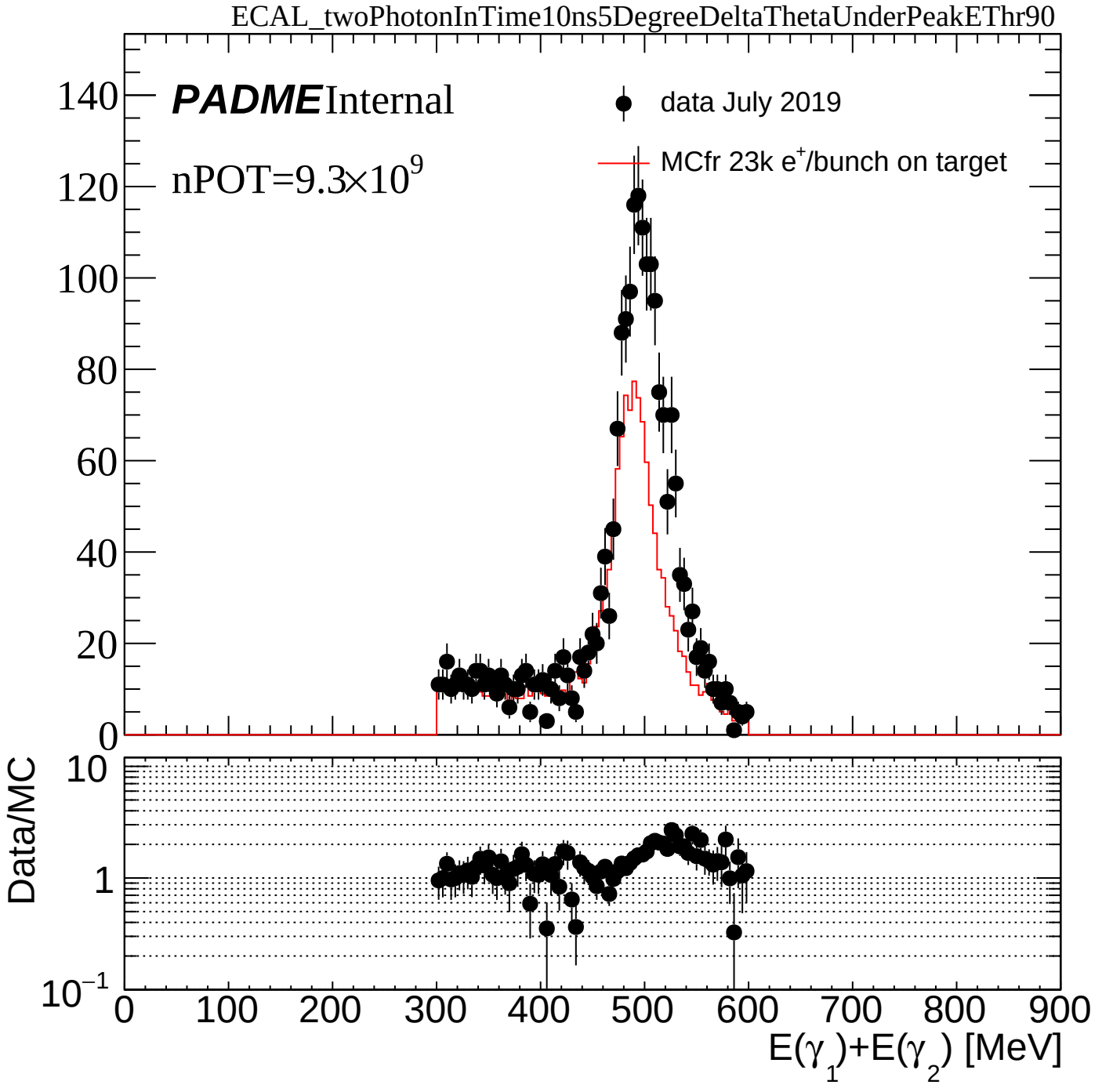

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

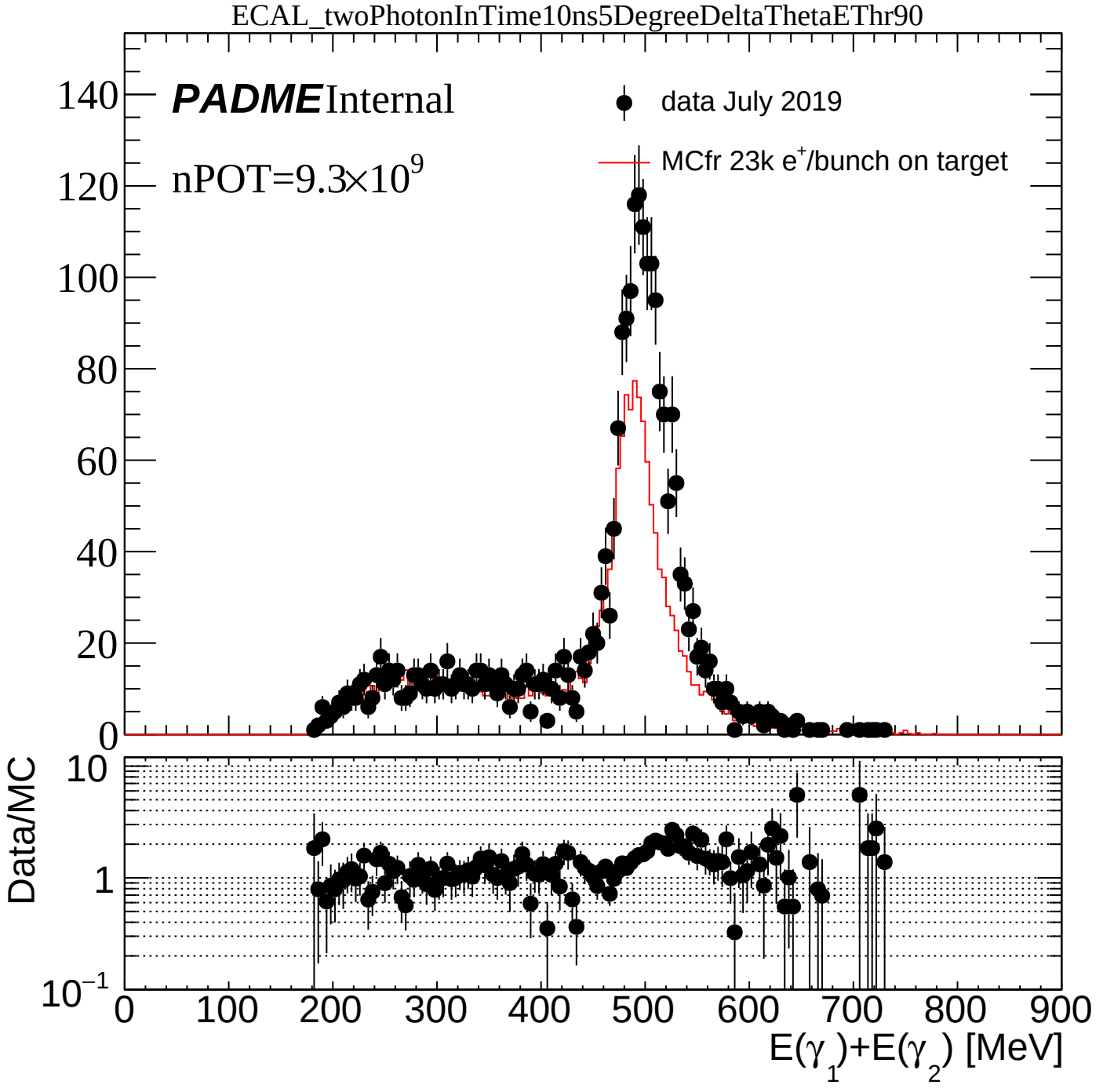

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90_FR
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

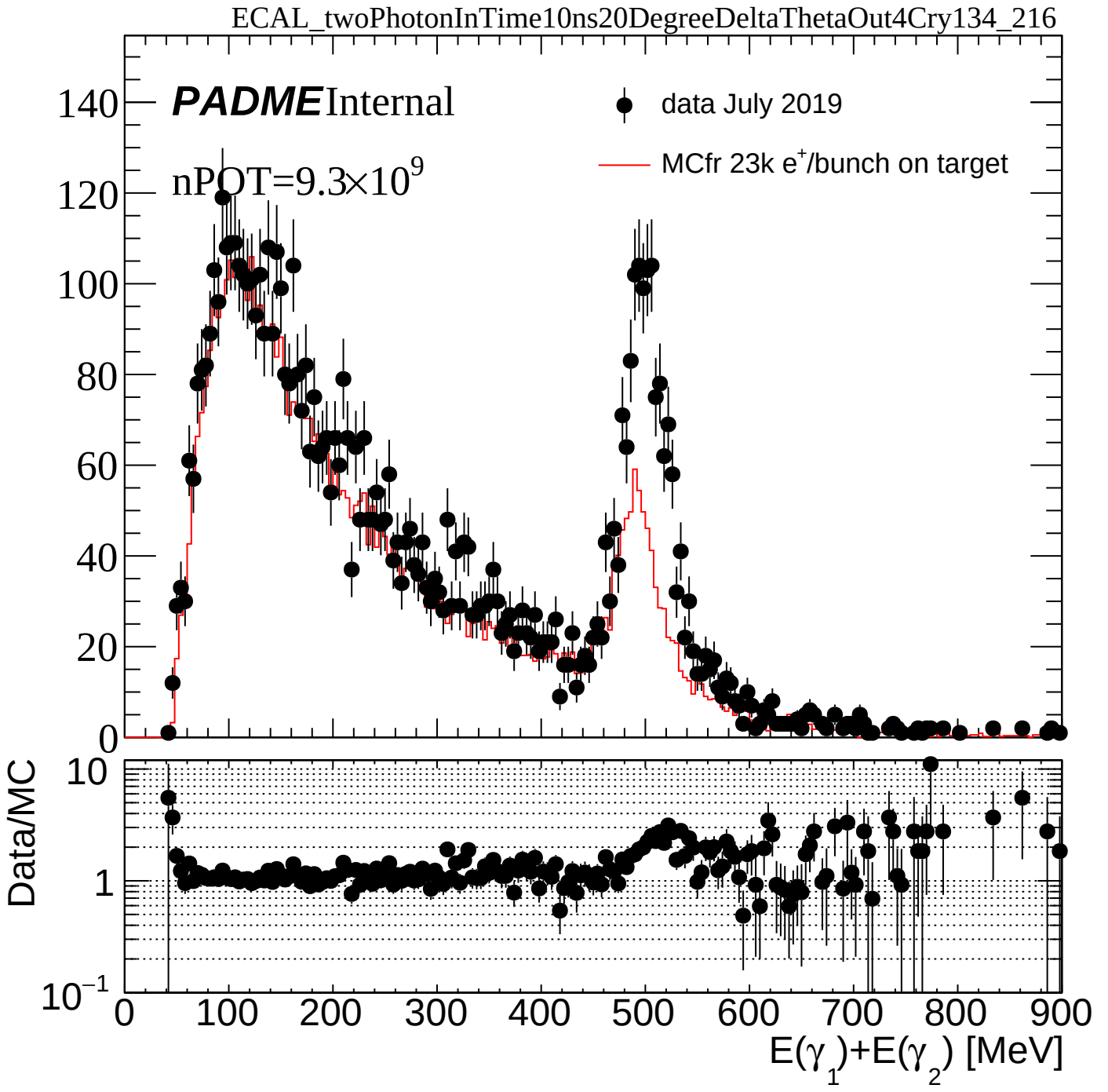

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

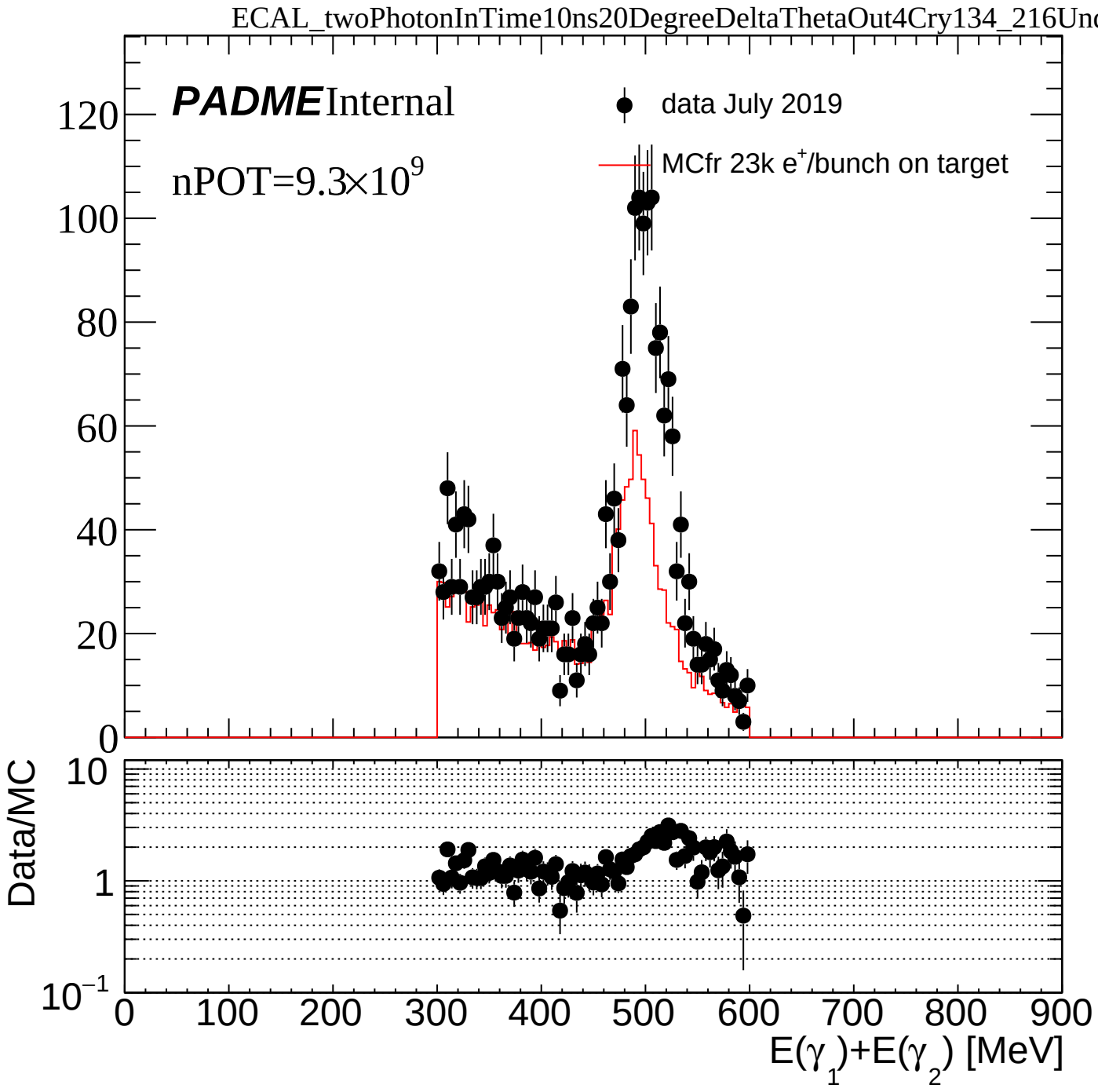

ECAL_gravTwoPhoton10ns_InDeltaPhi5Degree2Method_DeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

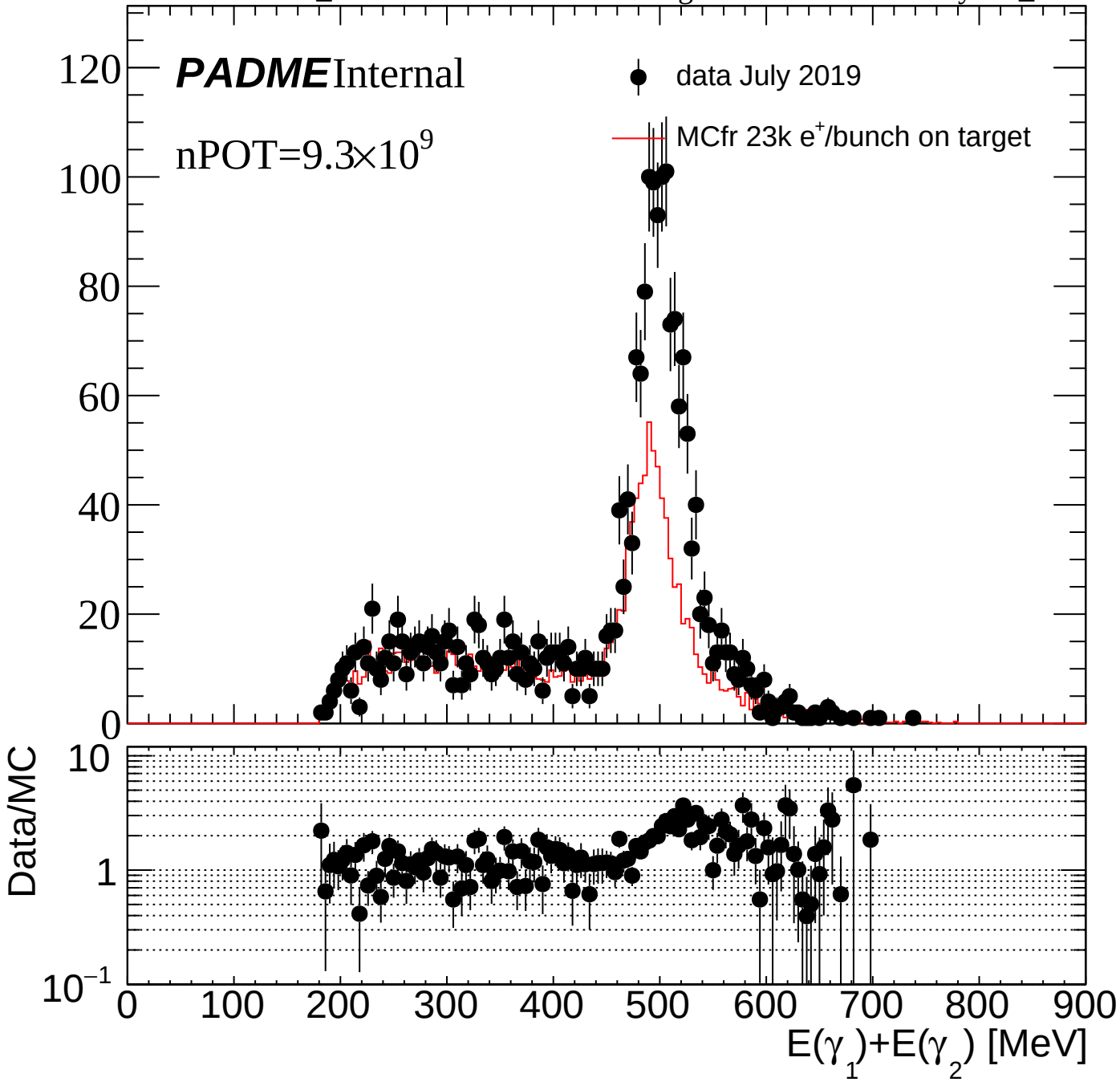

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

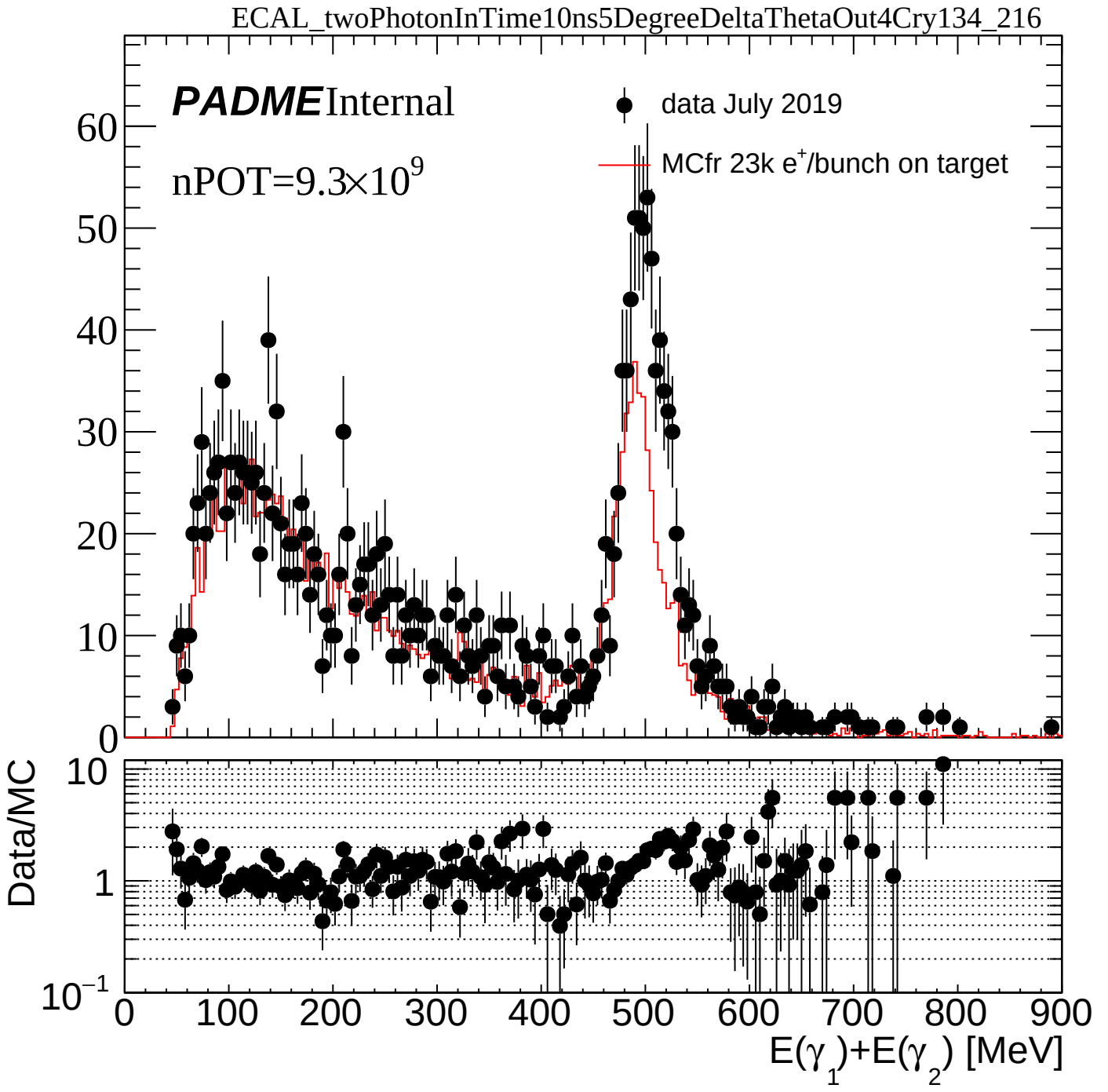

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

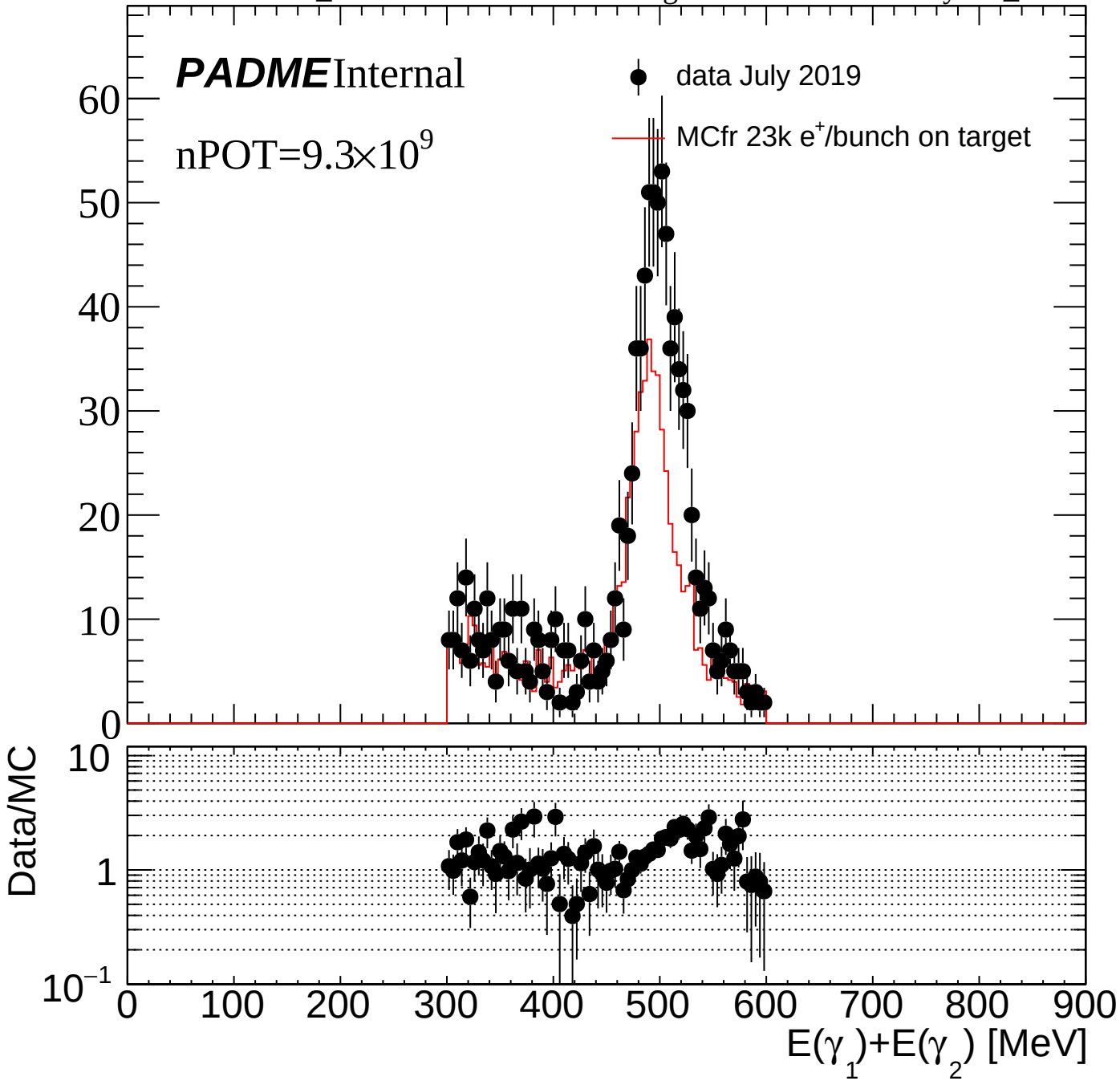

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

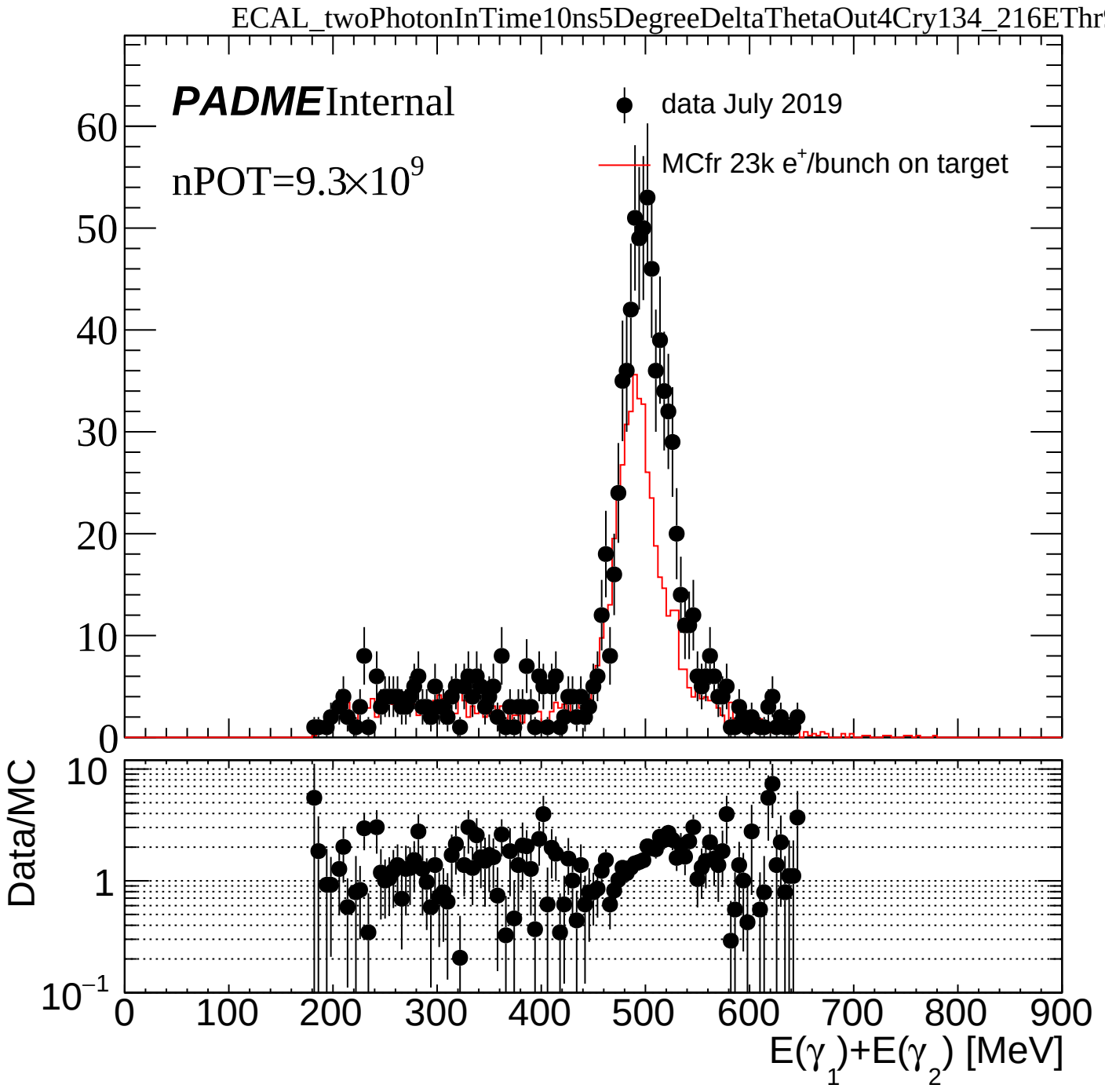

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaOut4Cry134_216
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

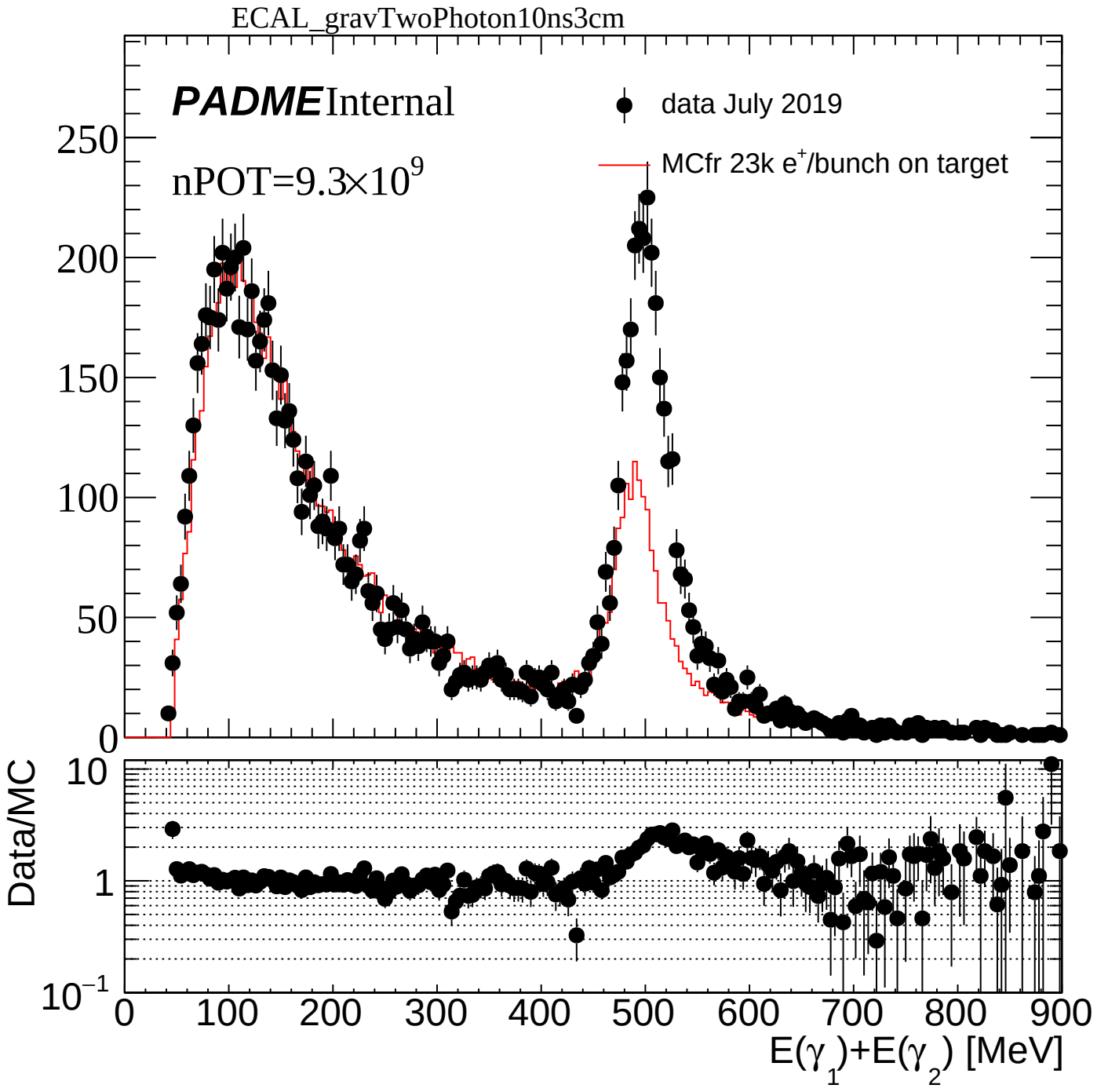

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaOut4Cry134_216Unde
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

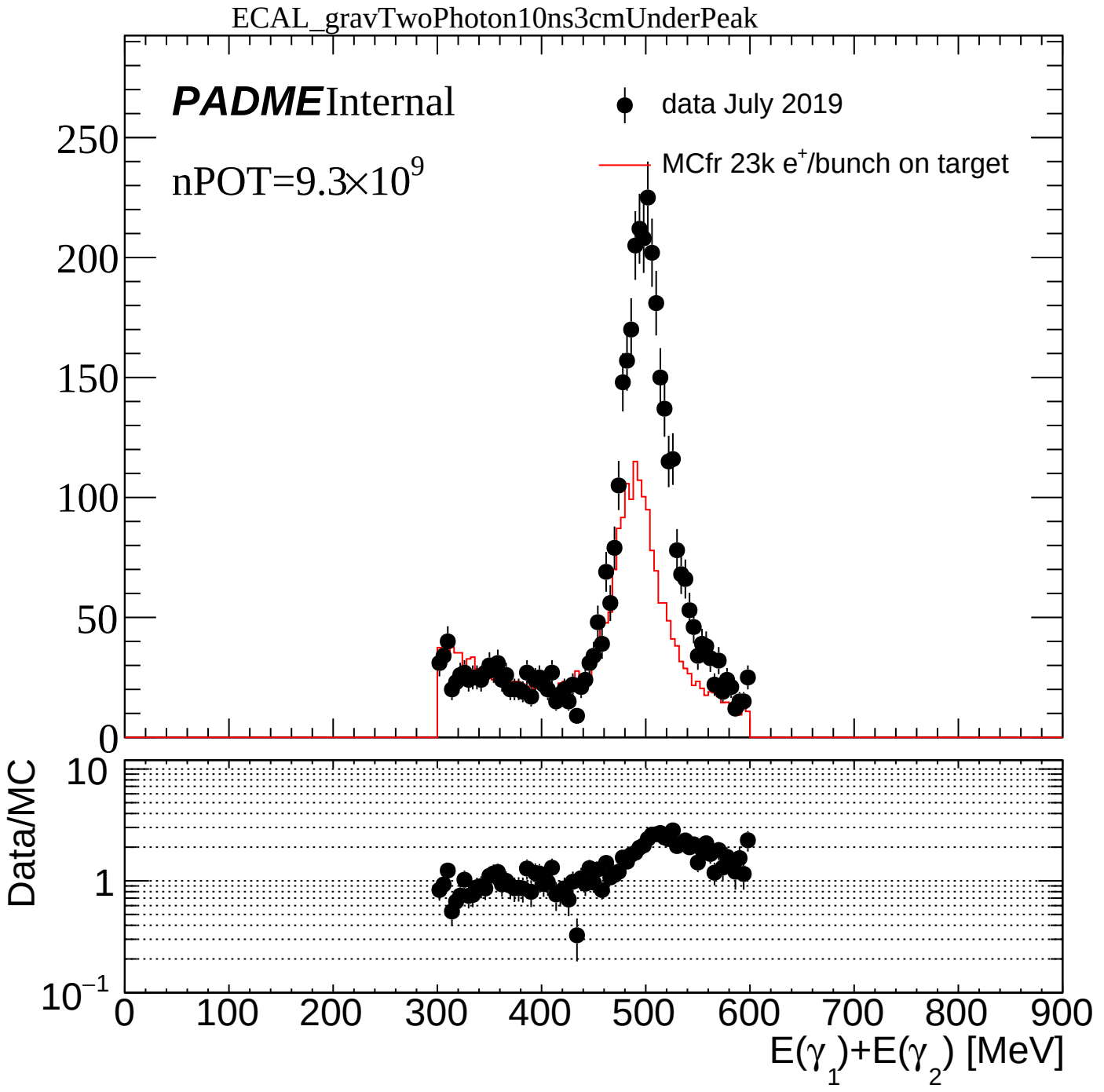

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaOut4Cry134_216EThr
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

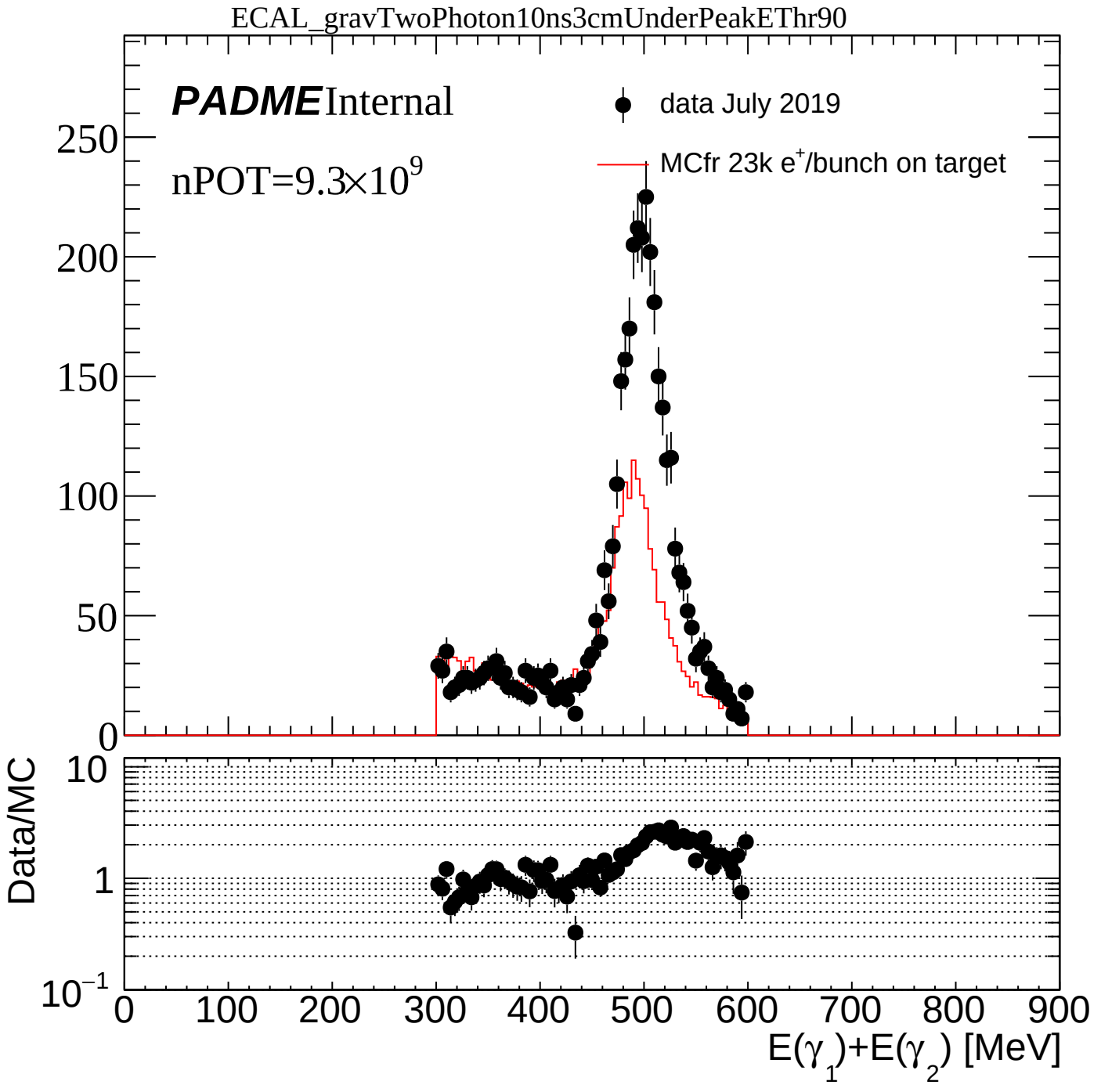

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaOut4Cry134_216
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

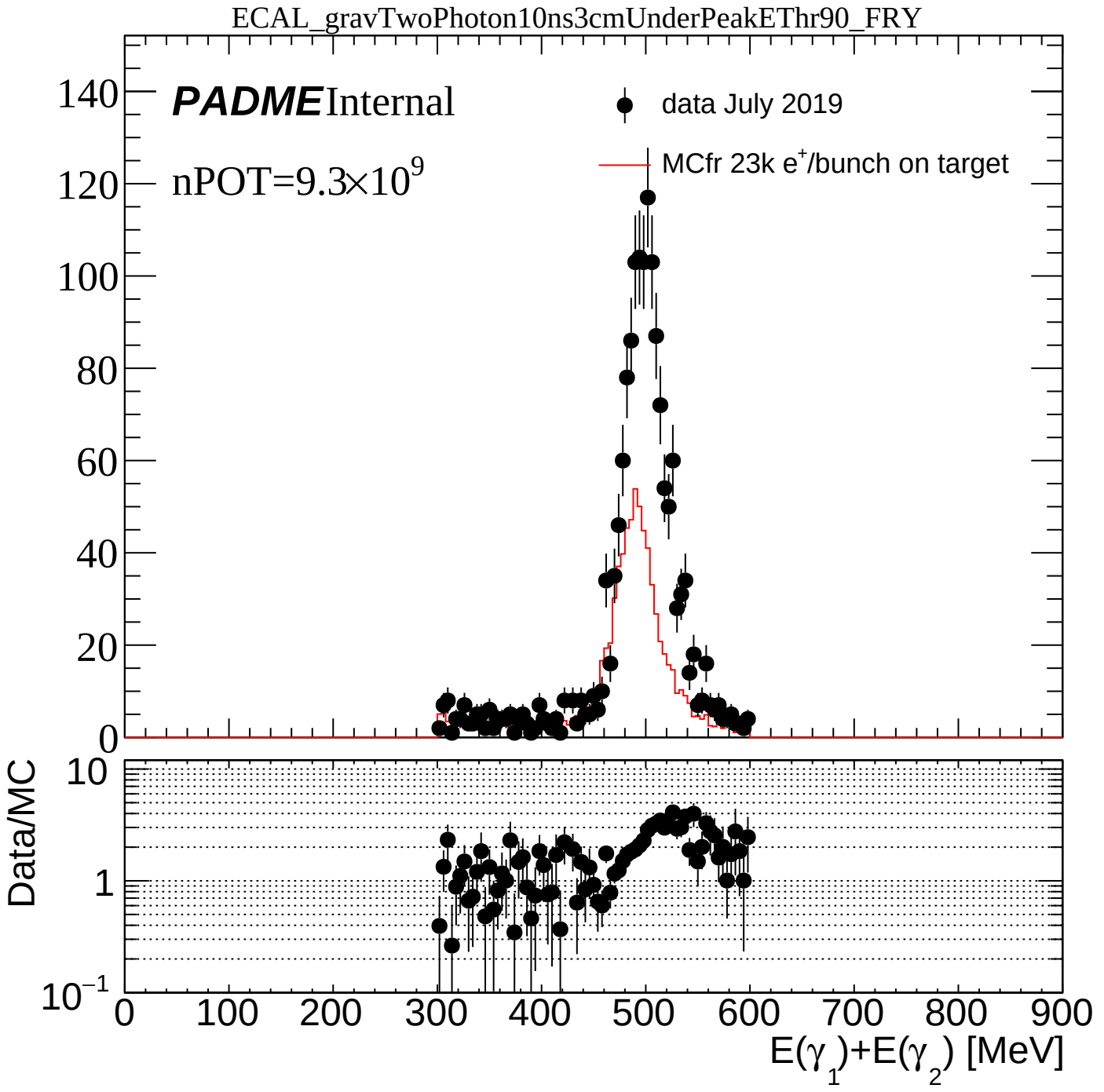

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaOut4Cry134_216UnderI
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
60
50
40
30
20
10
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

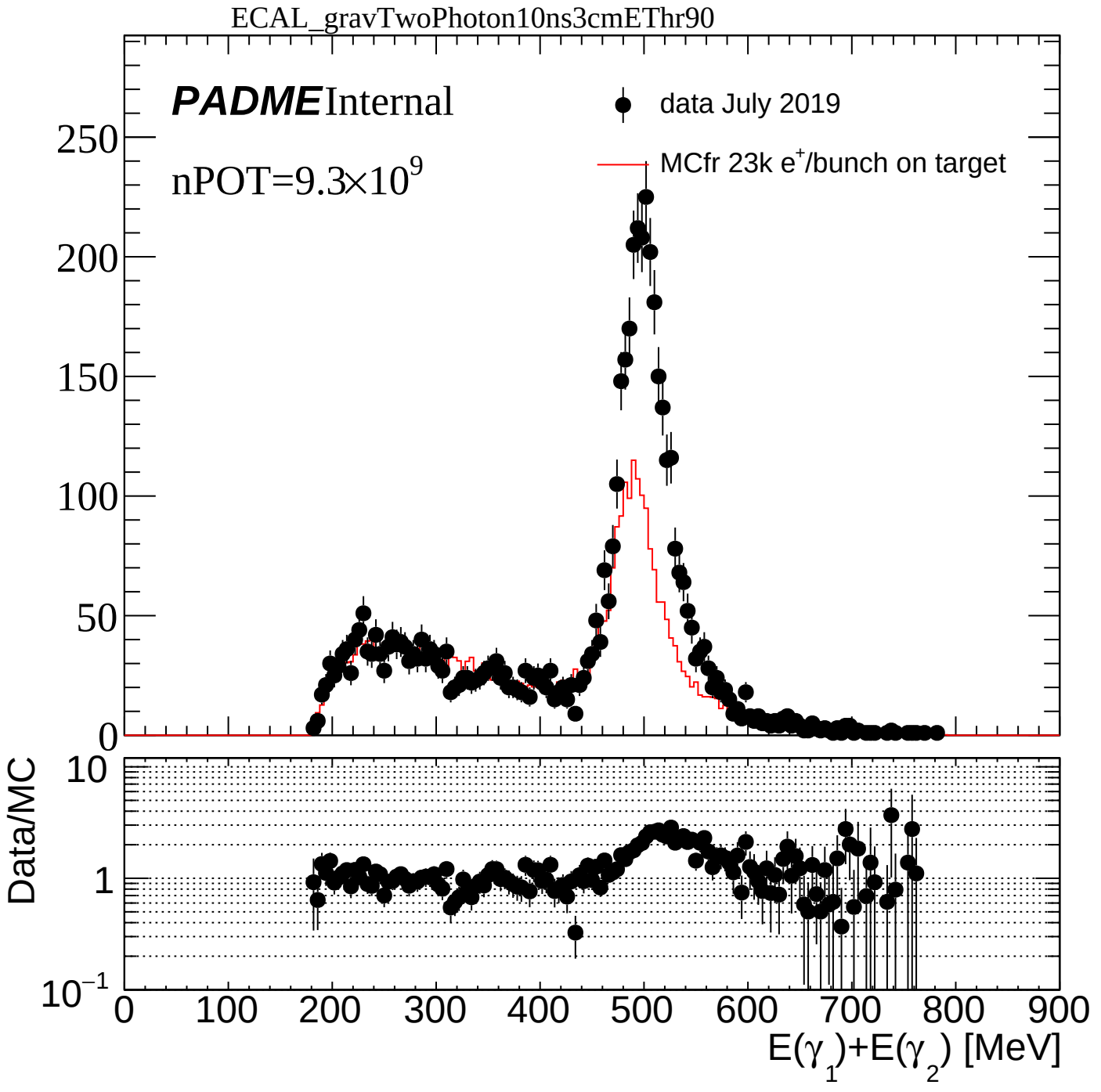

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaOut4Cry134_216EThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
60
50
40
30
20
10
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

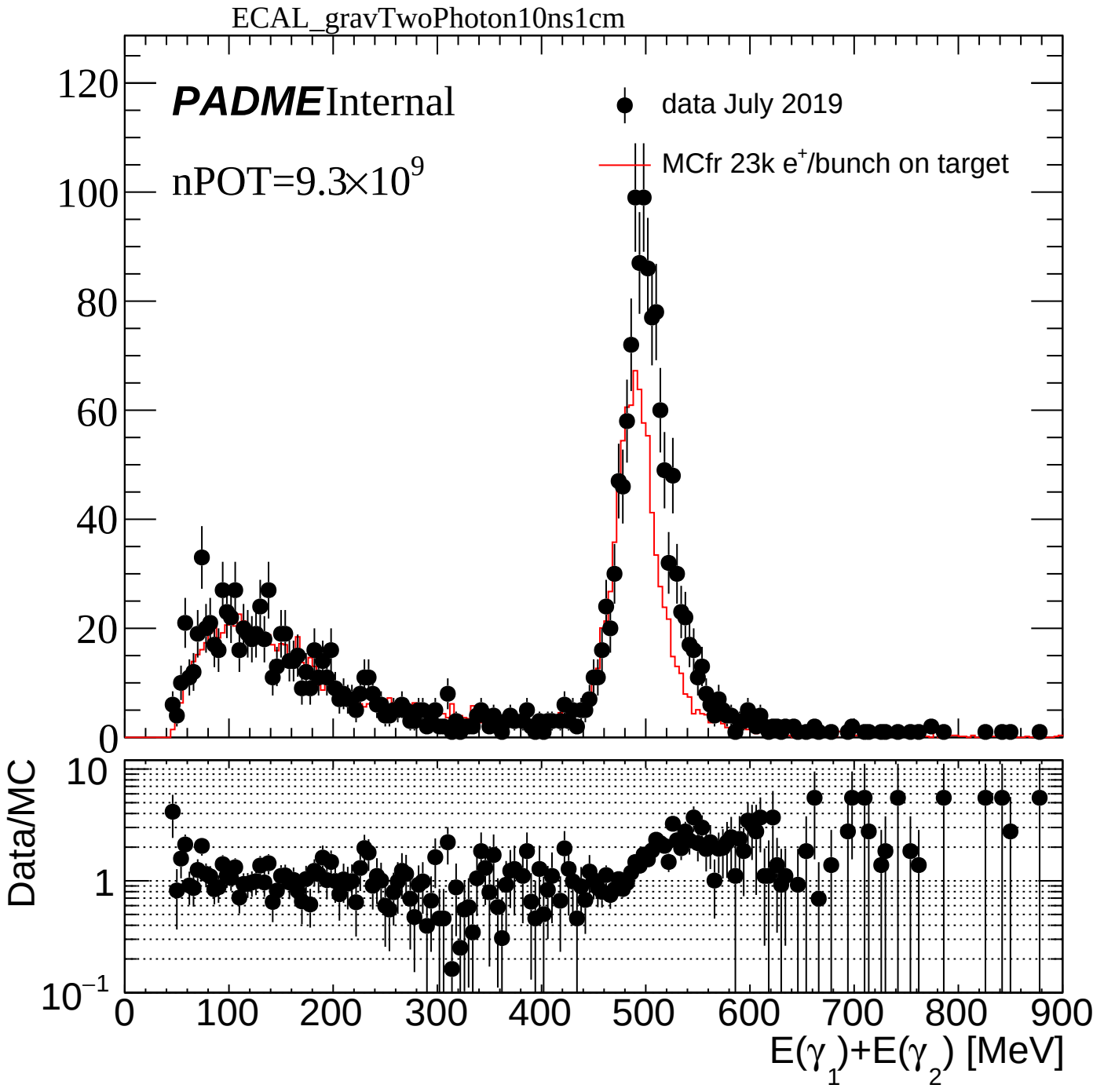

ECAL_gravTwoPhoton10ns3cm
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

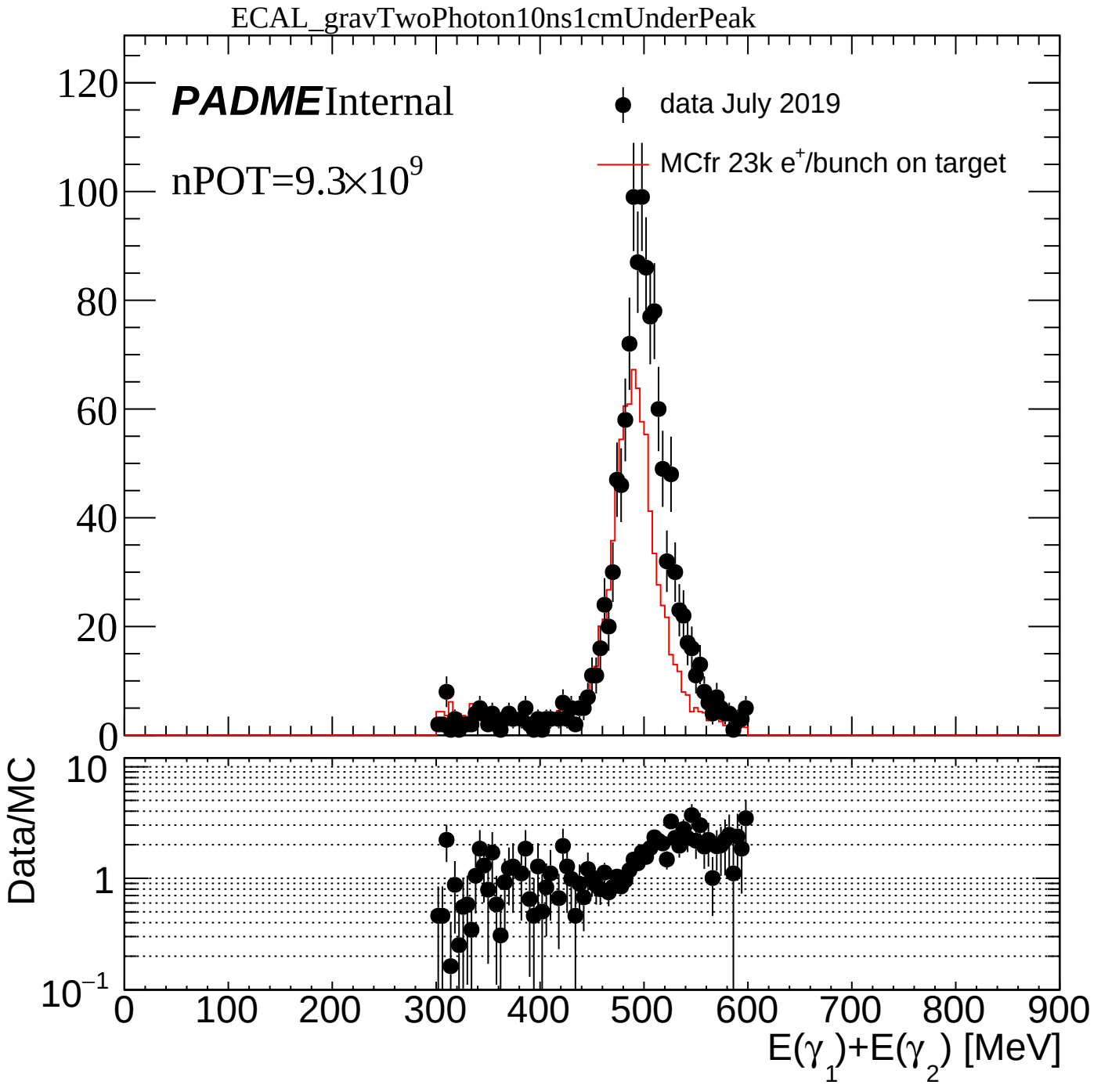

ECAL_gravTwoPhoton10ns3cmUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

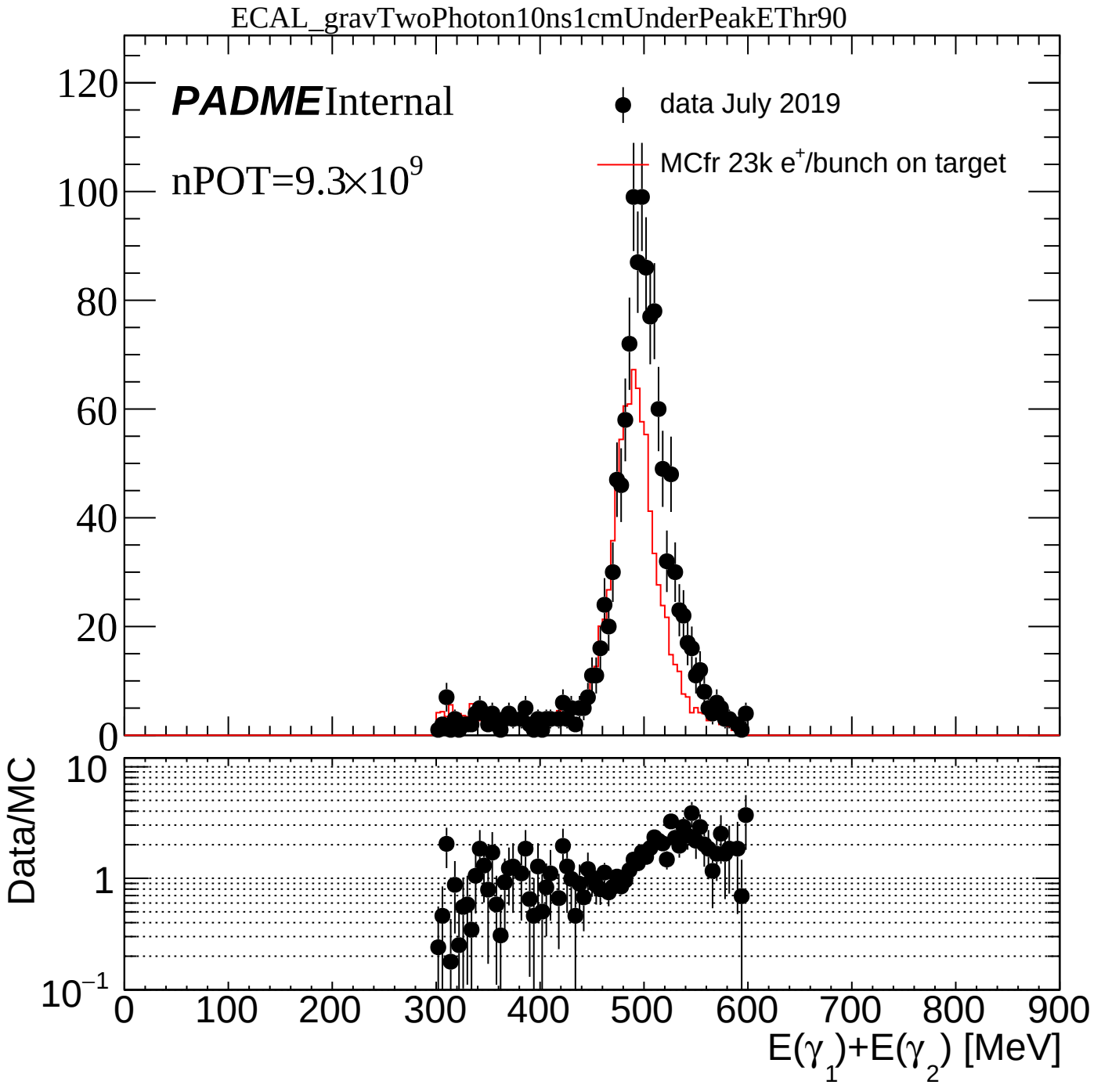

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

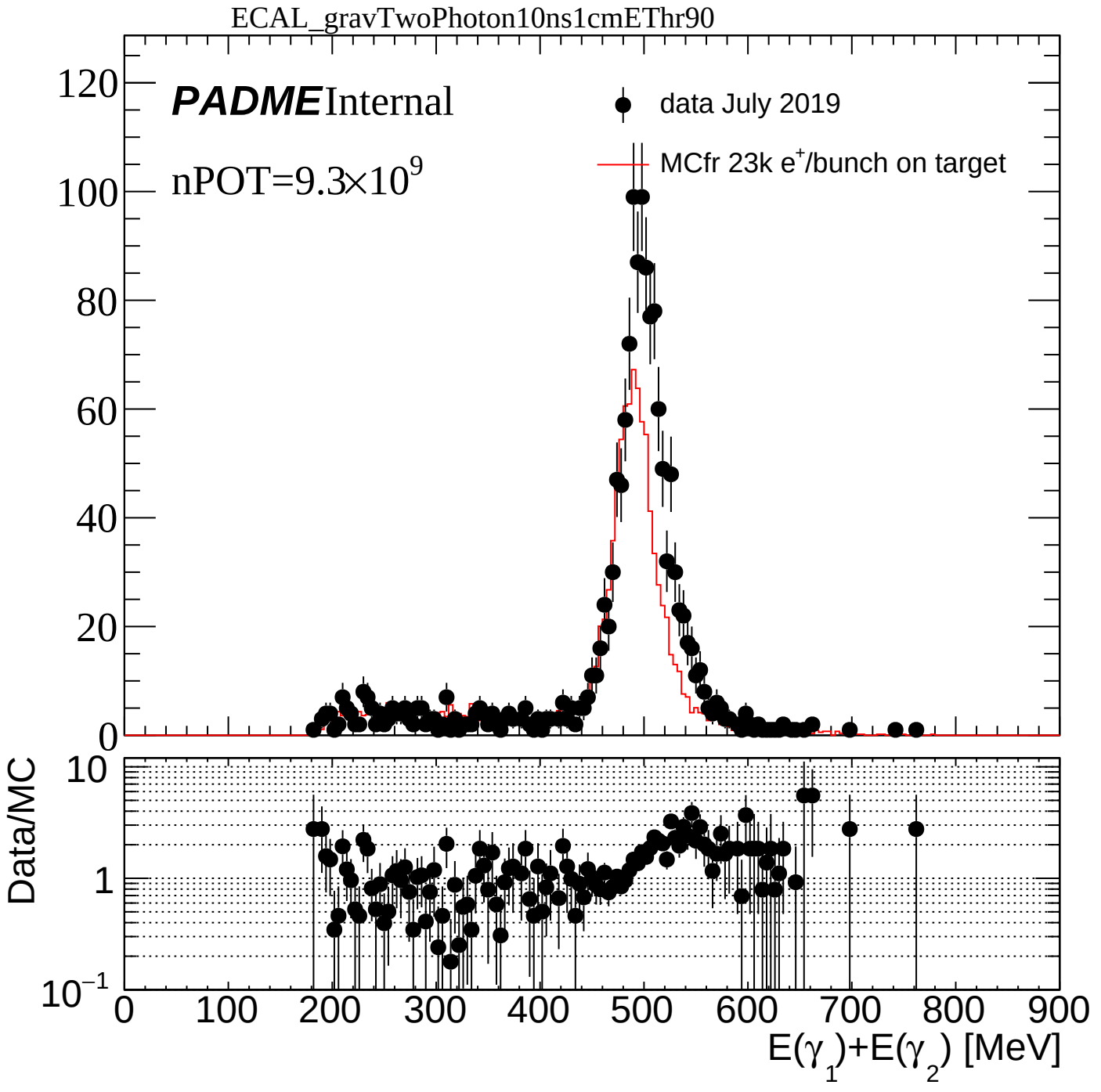

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90_FRY
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

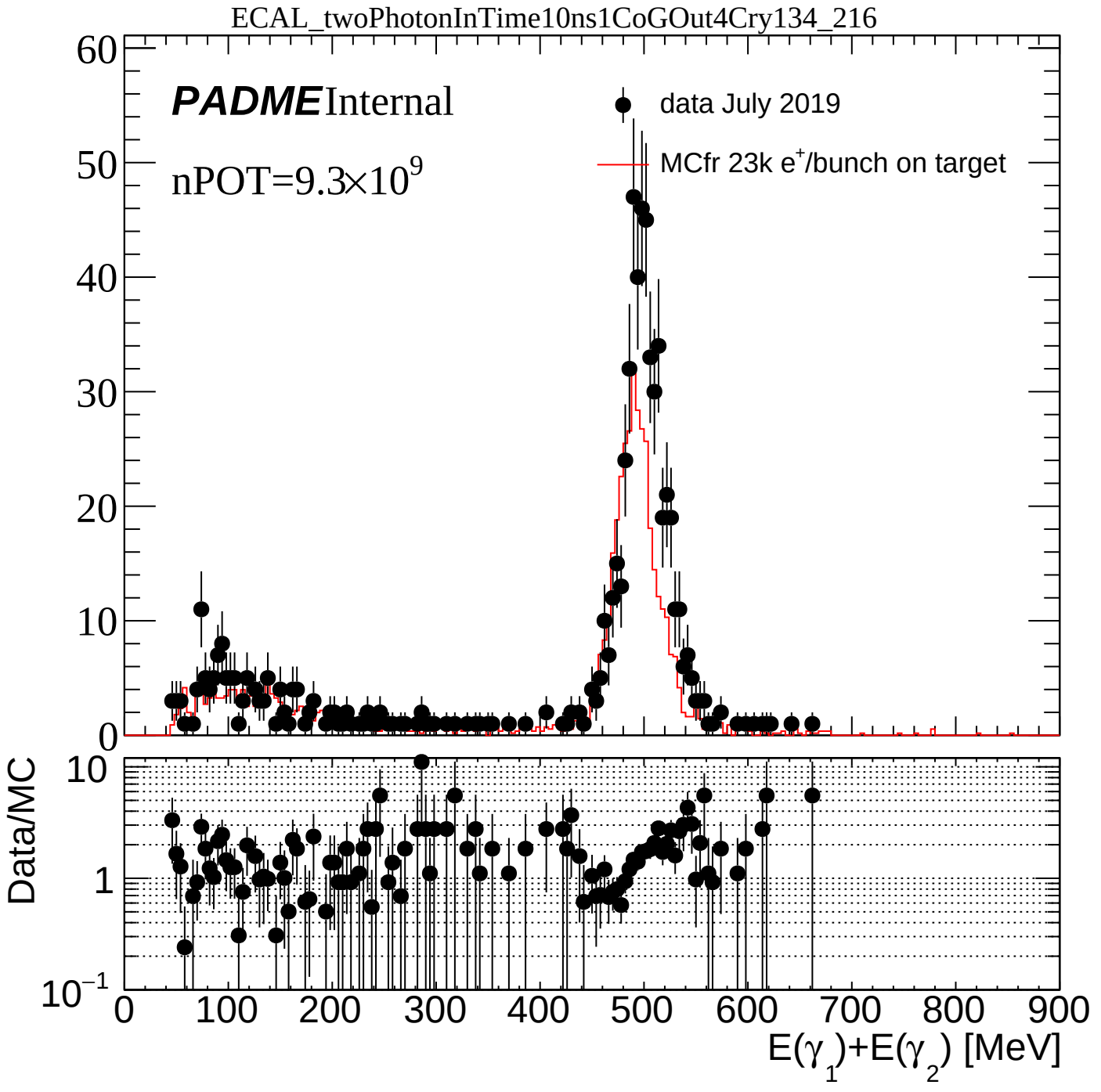

ECAL_gravTwoPhoton10ns3cmEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

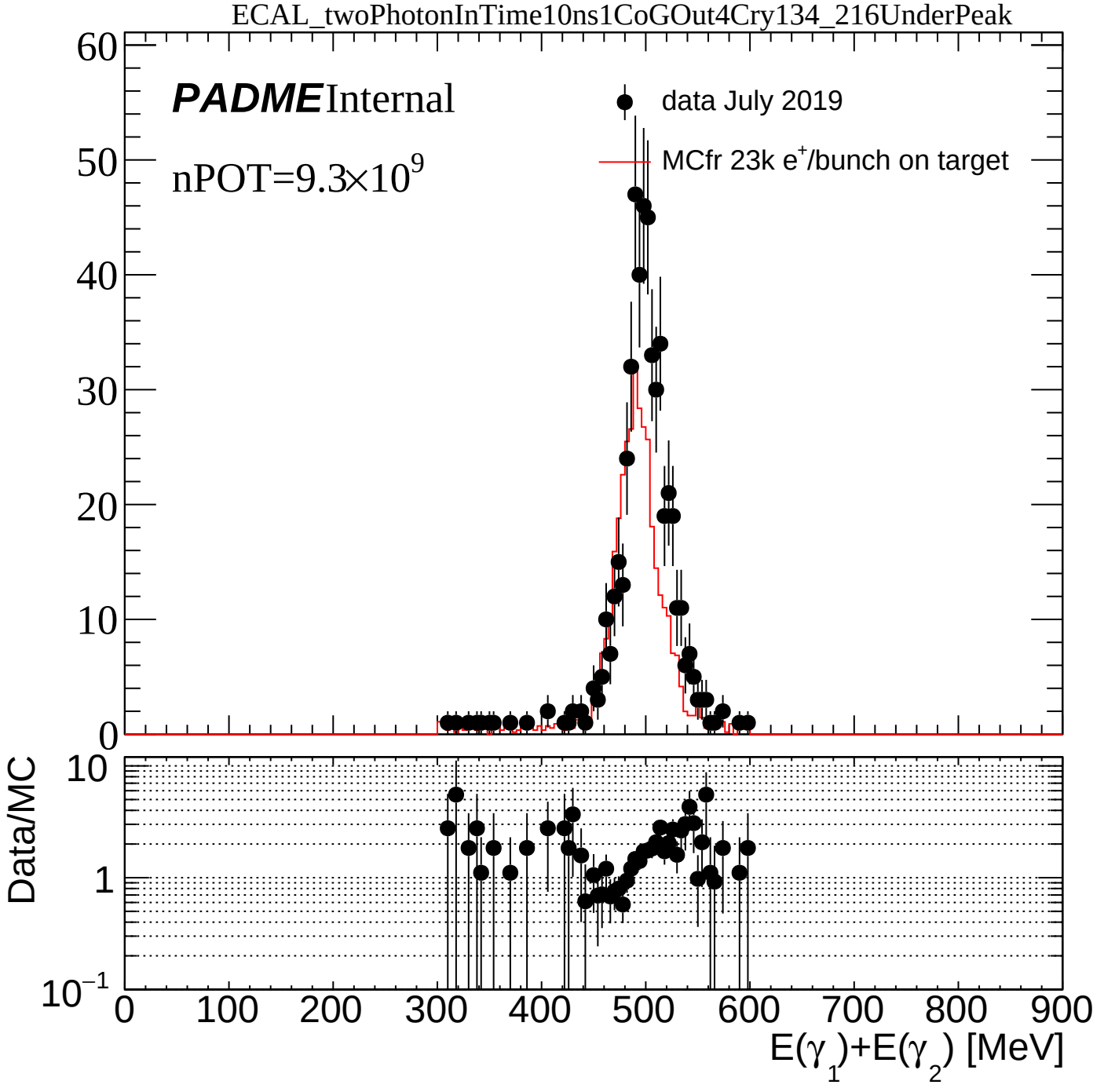

ECAL_gravTwoPhoton10ns1cm
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

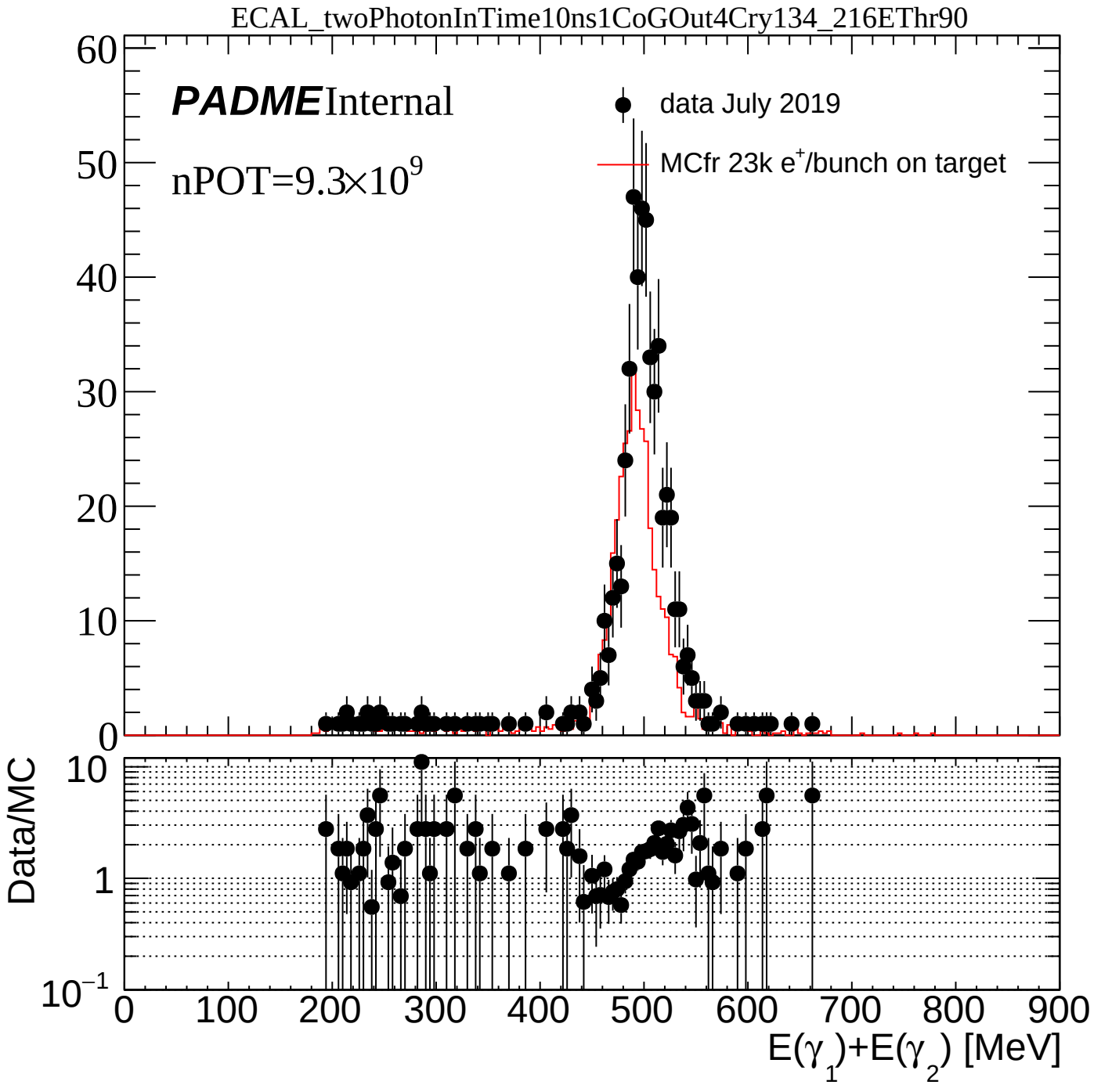

ECAL_gravTwoPhoton10ns1cmUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

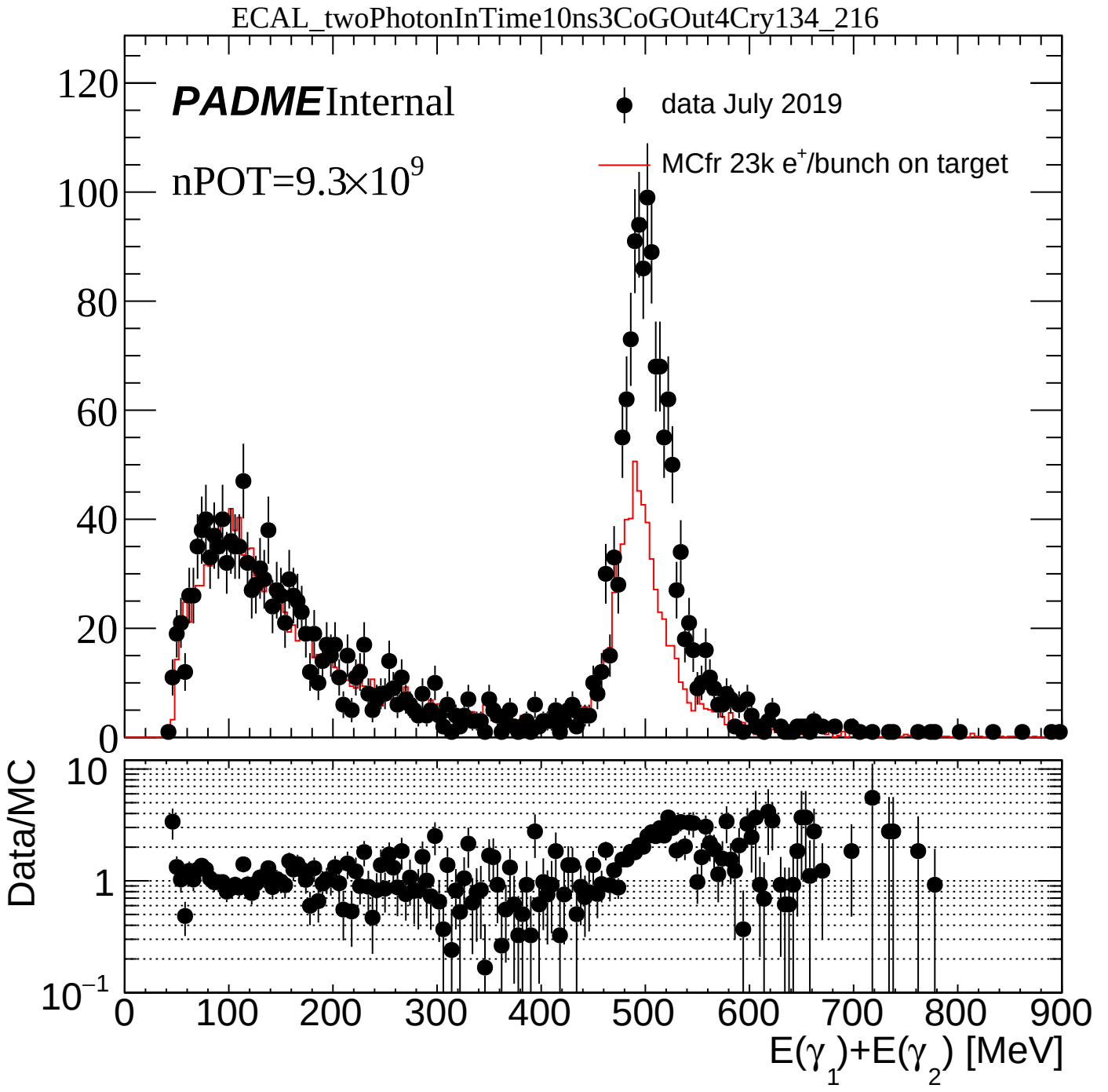

ECAL_gravTwoPhoton10ns1cmUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

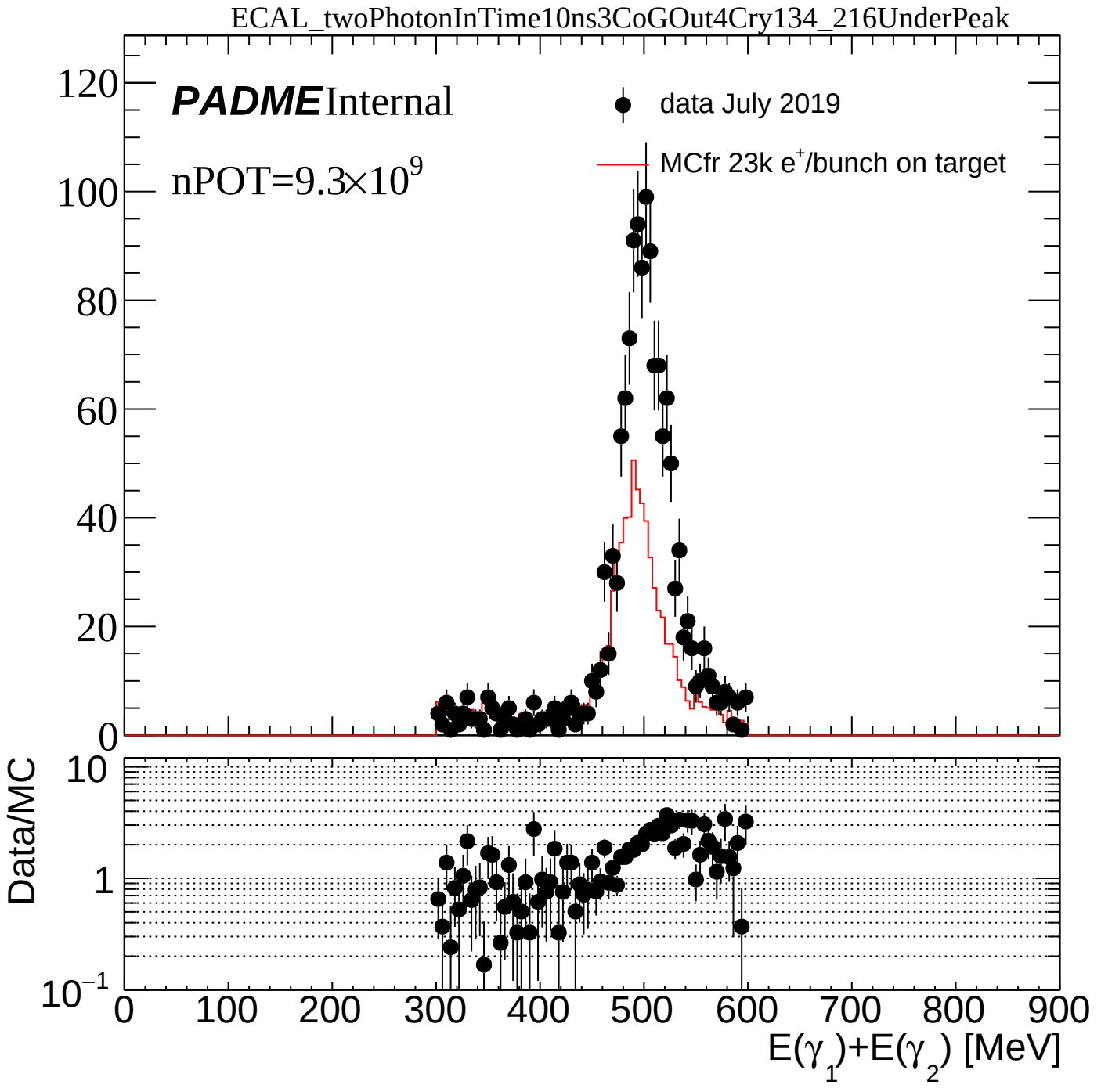

ECAL_gravTwoPhoton10ns1cmEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

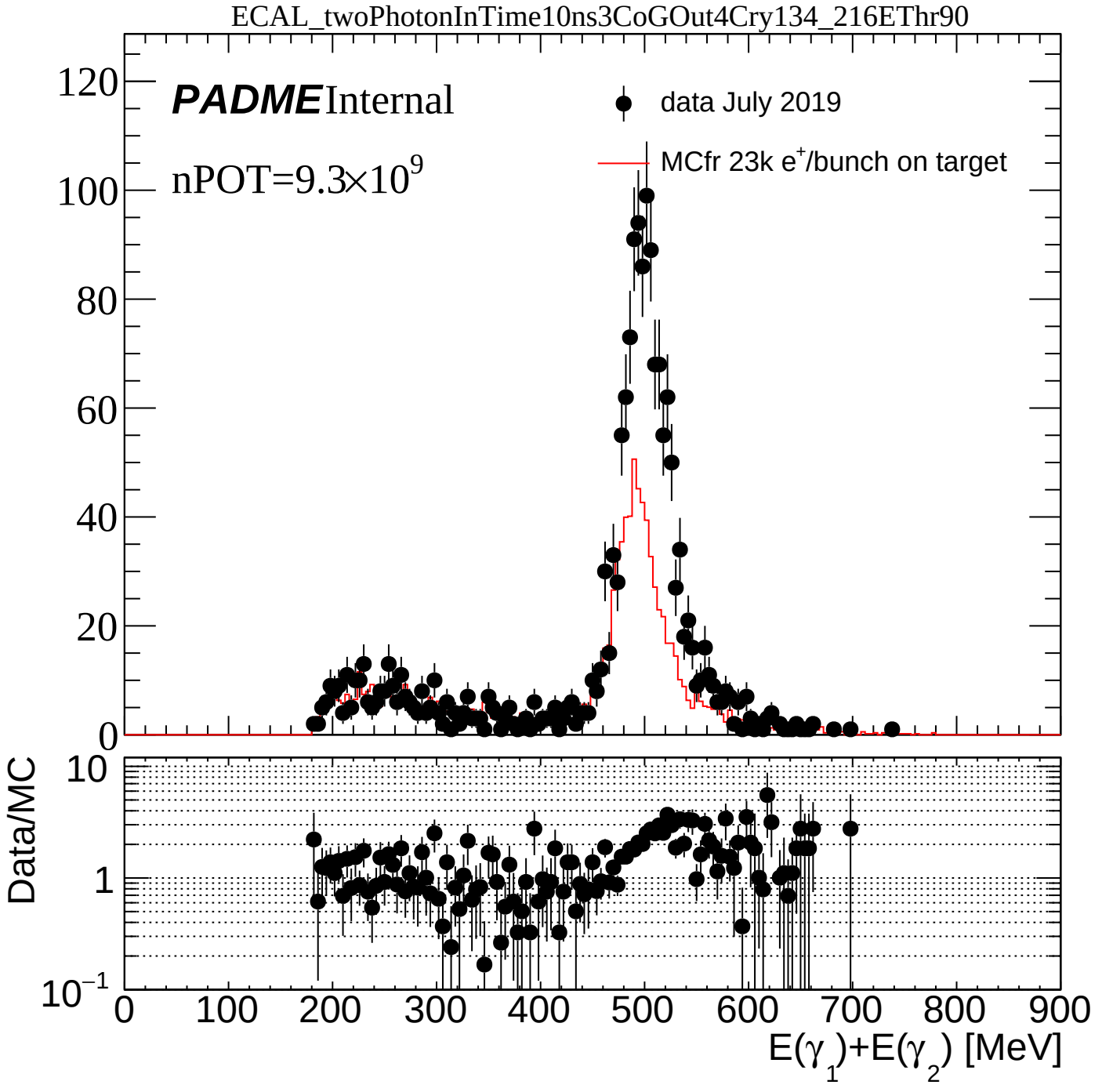

ECAL_twoPhotonInTime10ns1CoGOut4Cry134_216
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

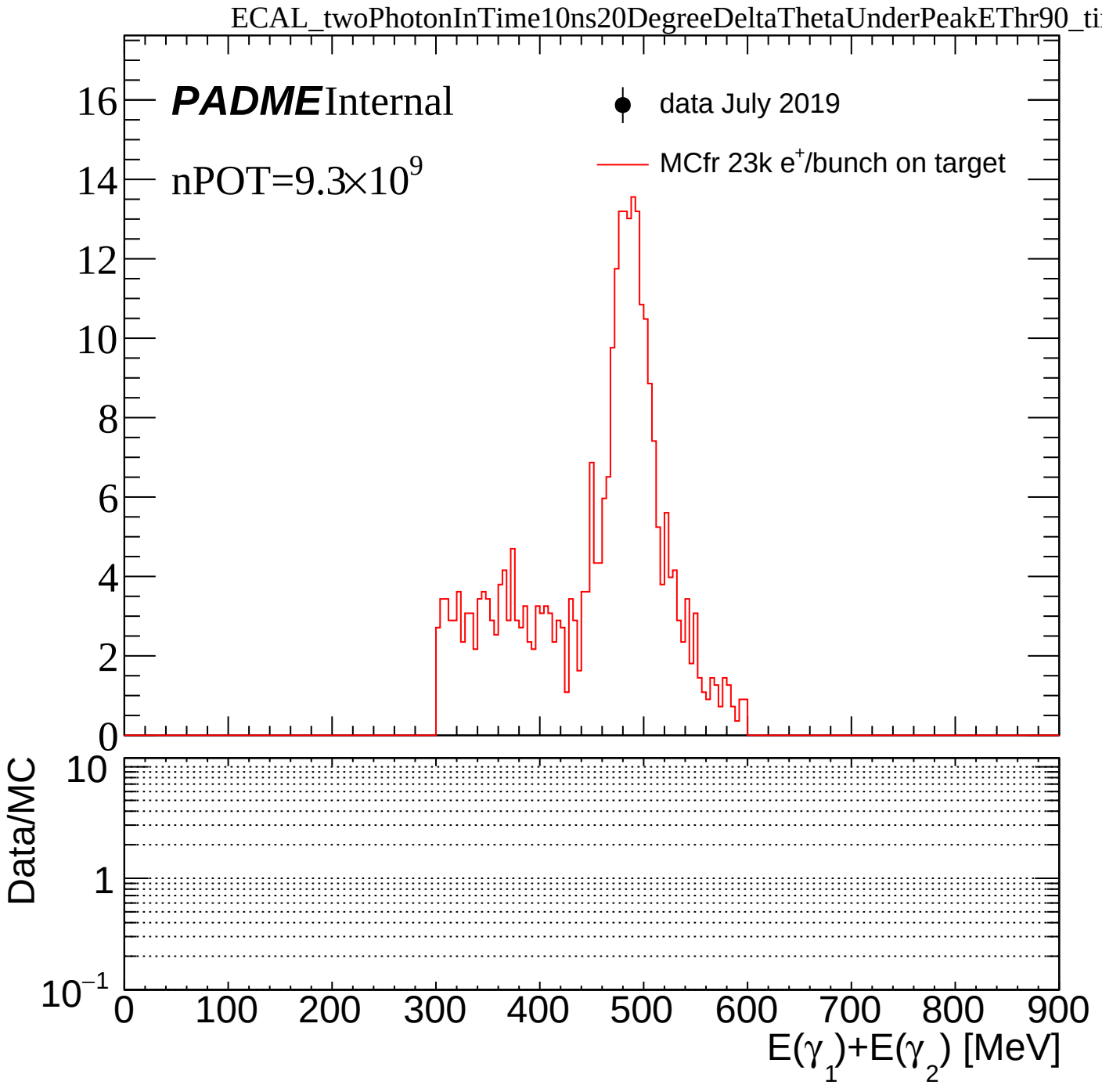

ECAL_twoPhotonInTime10ns1CoGOut4Cry134_216UnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

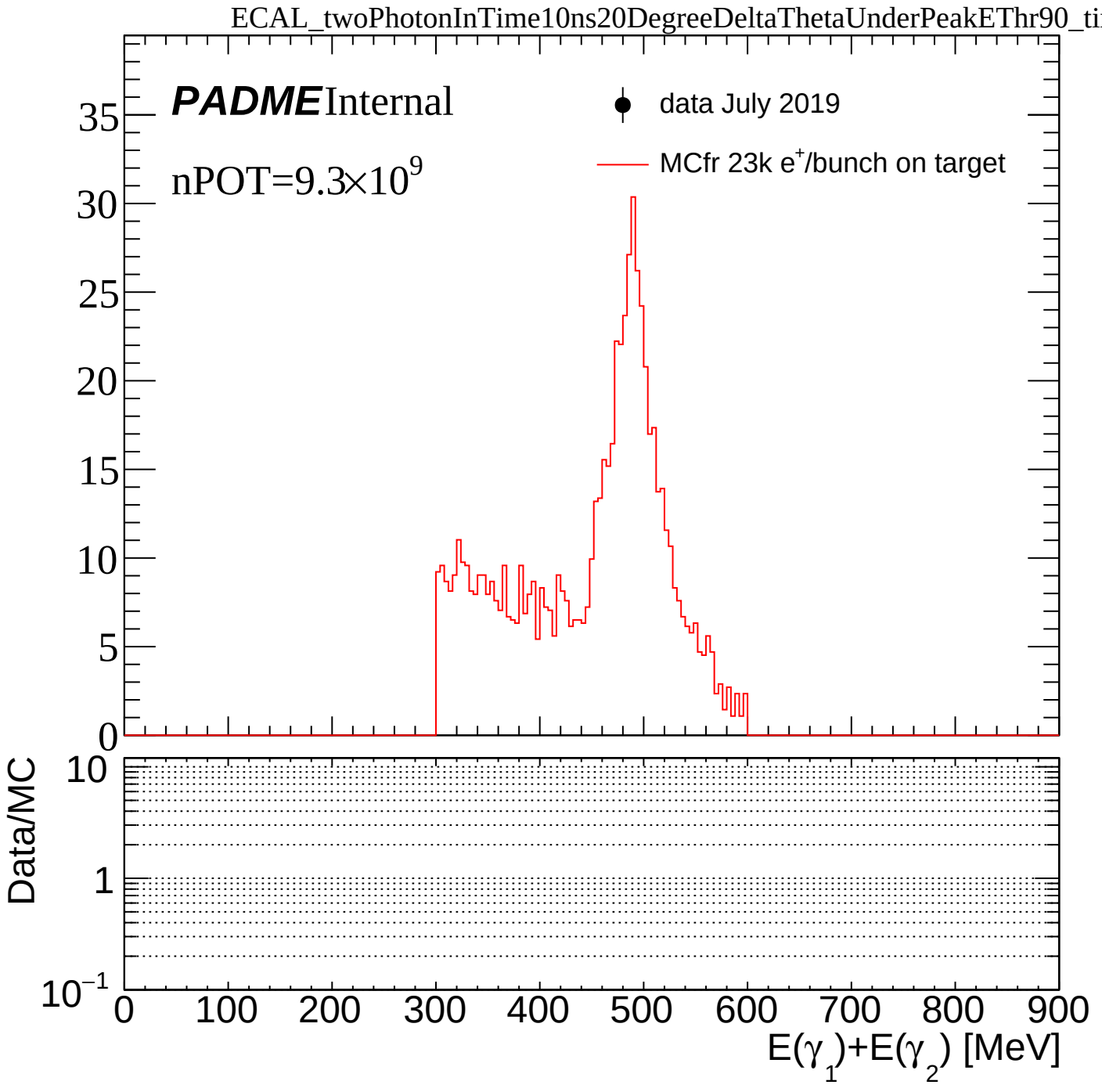

ECAL_twoPhotonInTime10ns1CoGOut4Cry134_216EThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

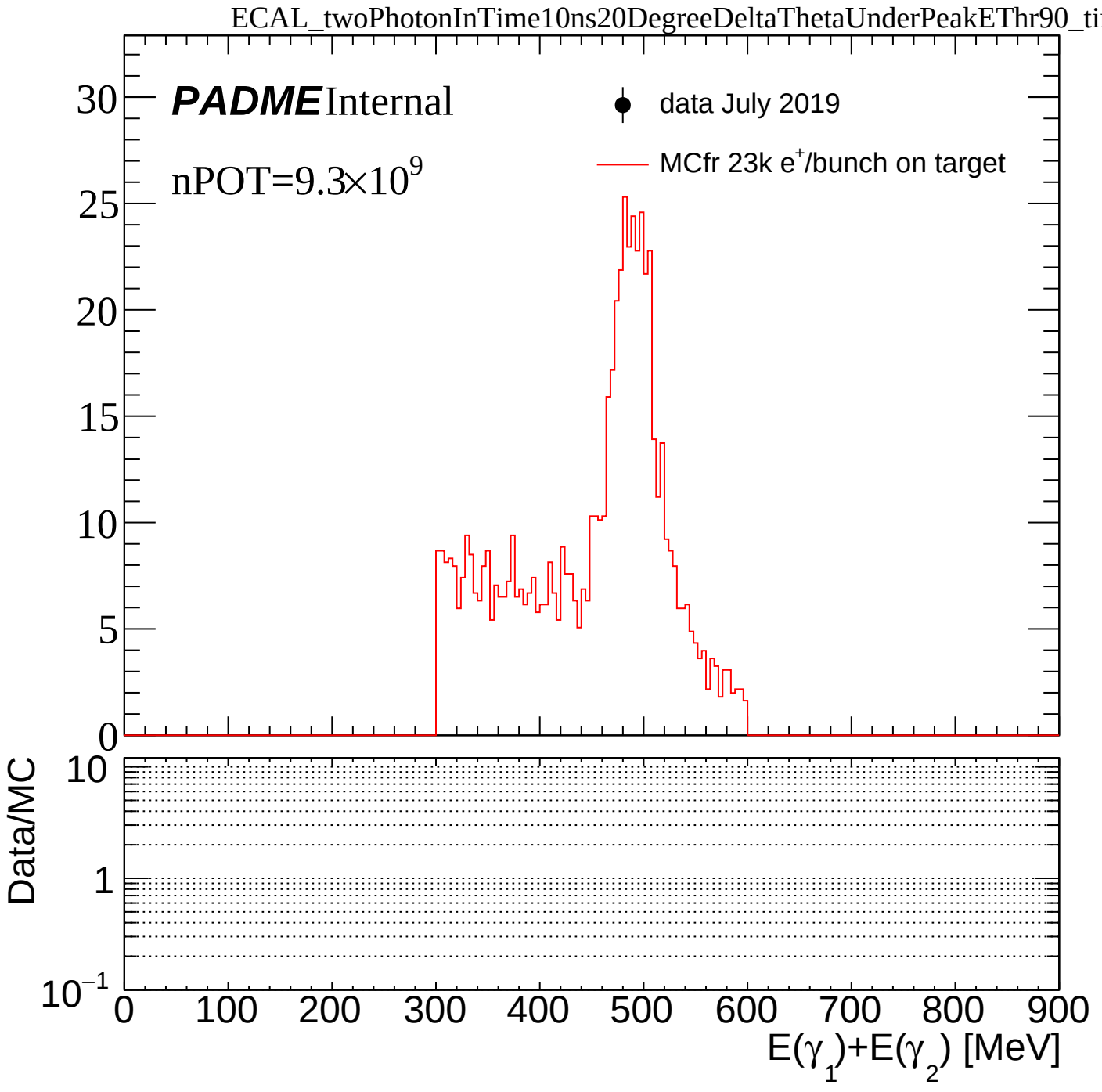

ECAL_twoPhotonInTime10ns3CoGOut4Cry134_216
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

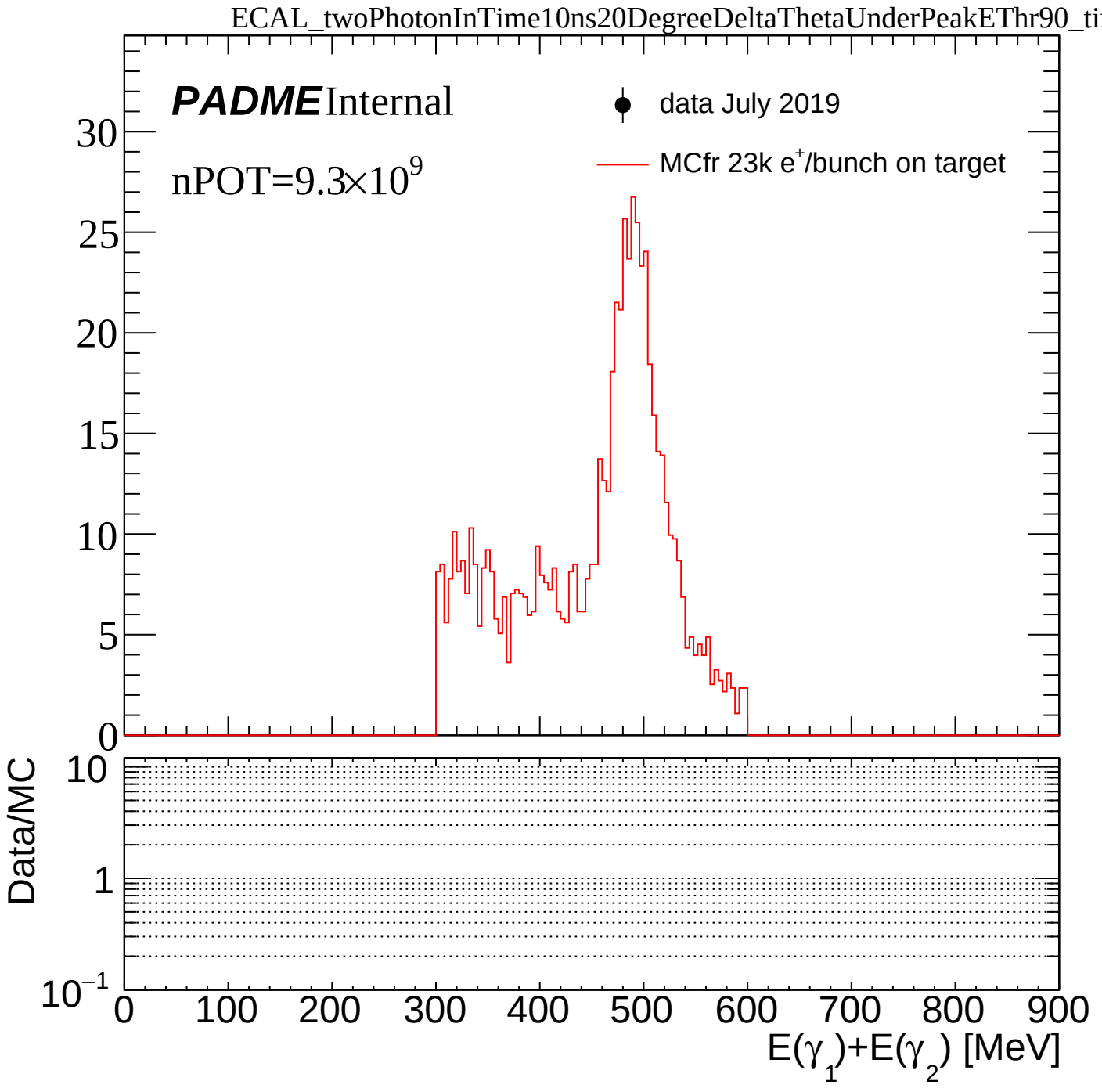

ECAL_twoPhotonInTime10ns3CoGOut4Cry134_216UnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

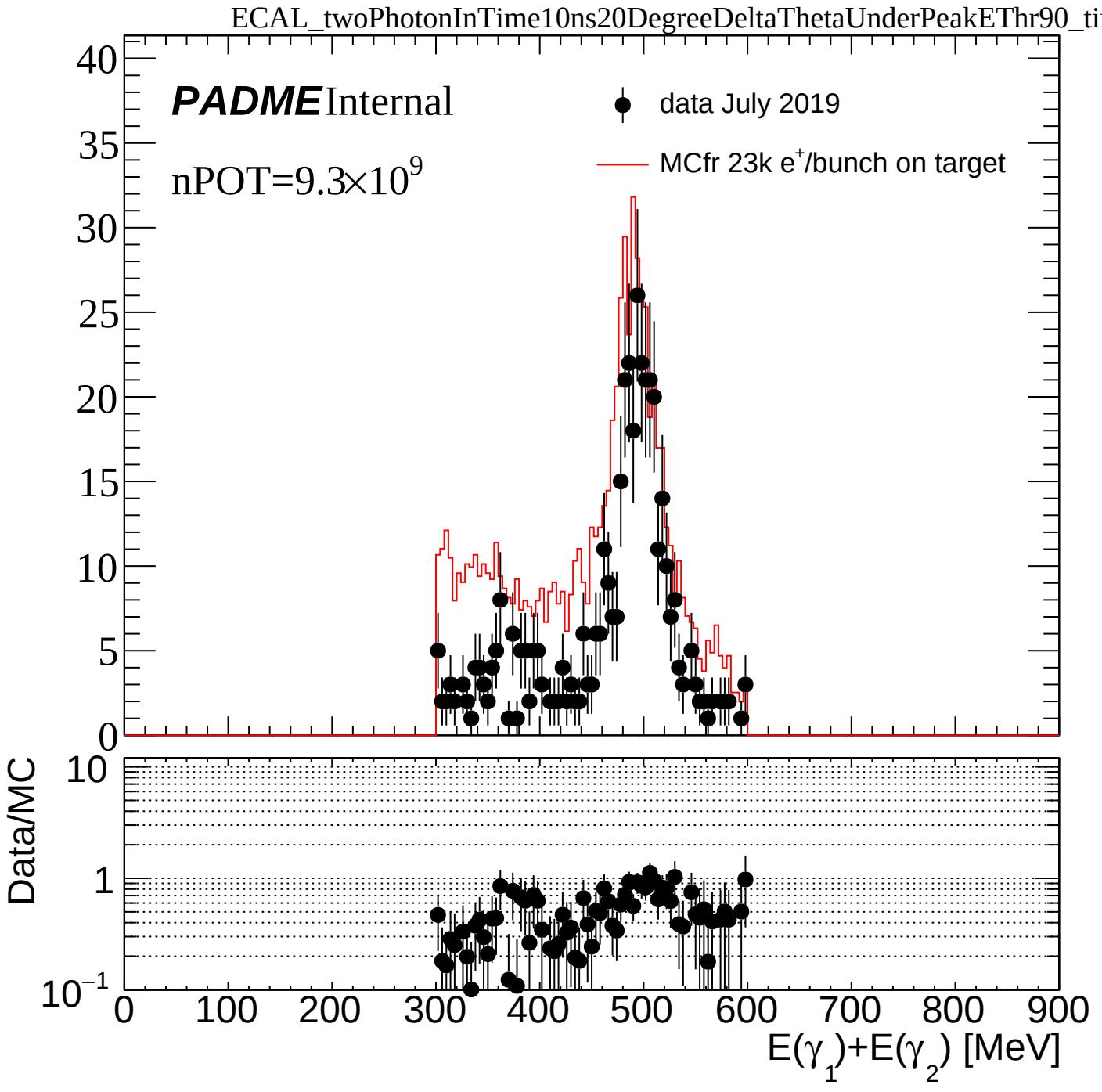

ECAL_twoPhotonInTime10ns3CoGOut4Cry134_216EThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

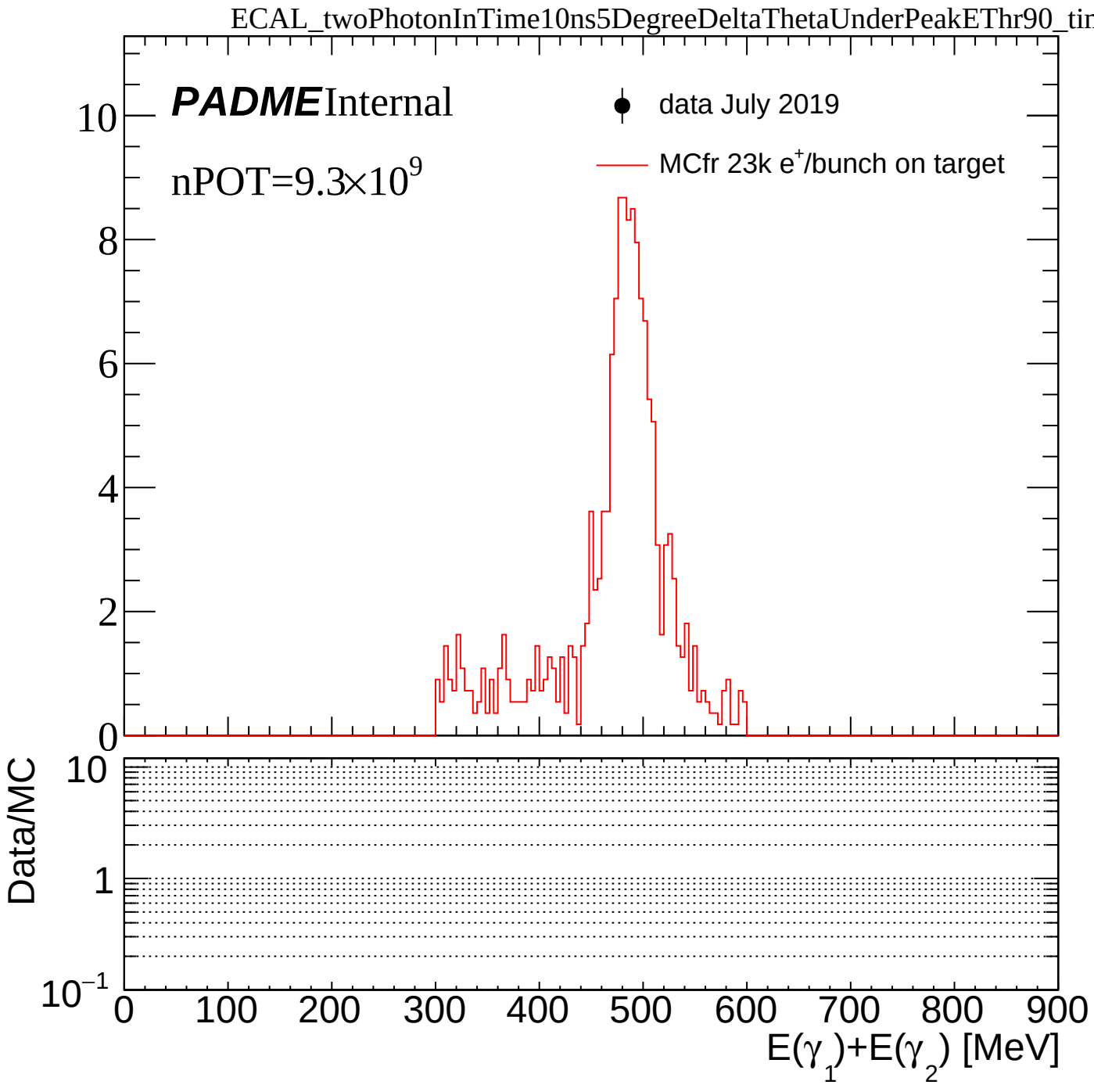

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90_tim
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
16
14
12
10
8
6
4
2
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

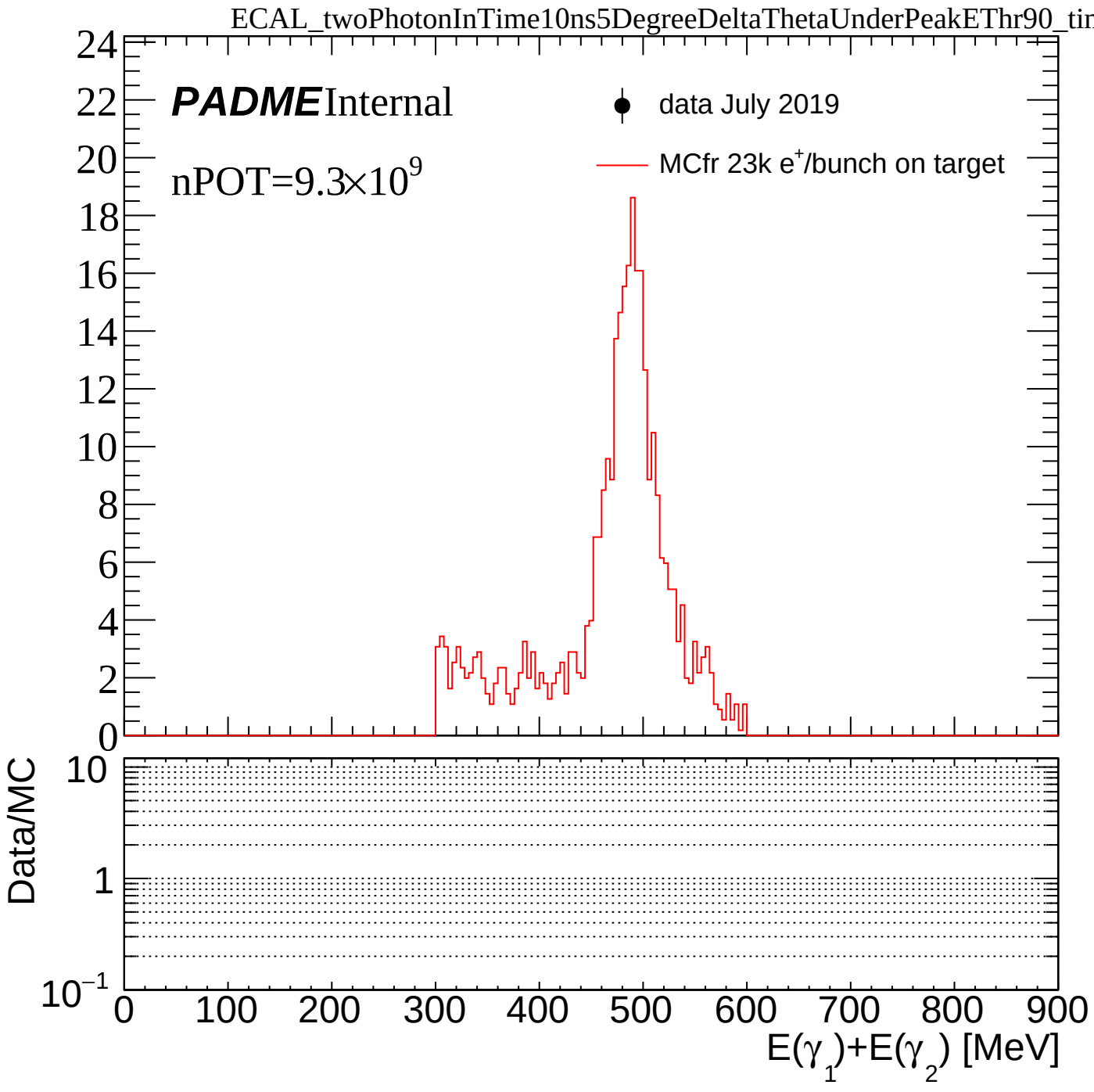

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90_tim
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
35
30
25
20
15
10
5
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

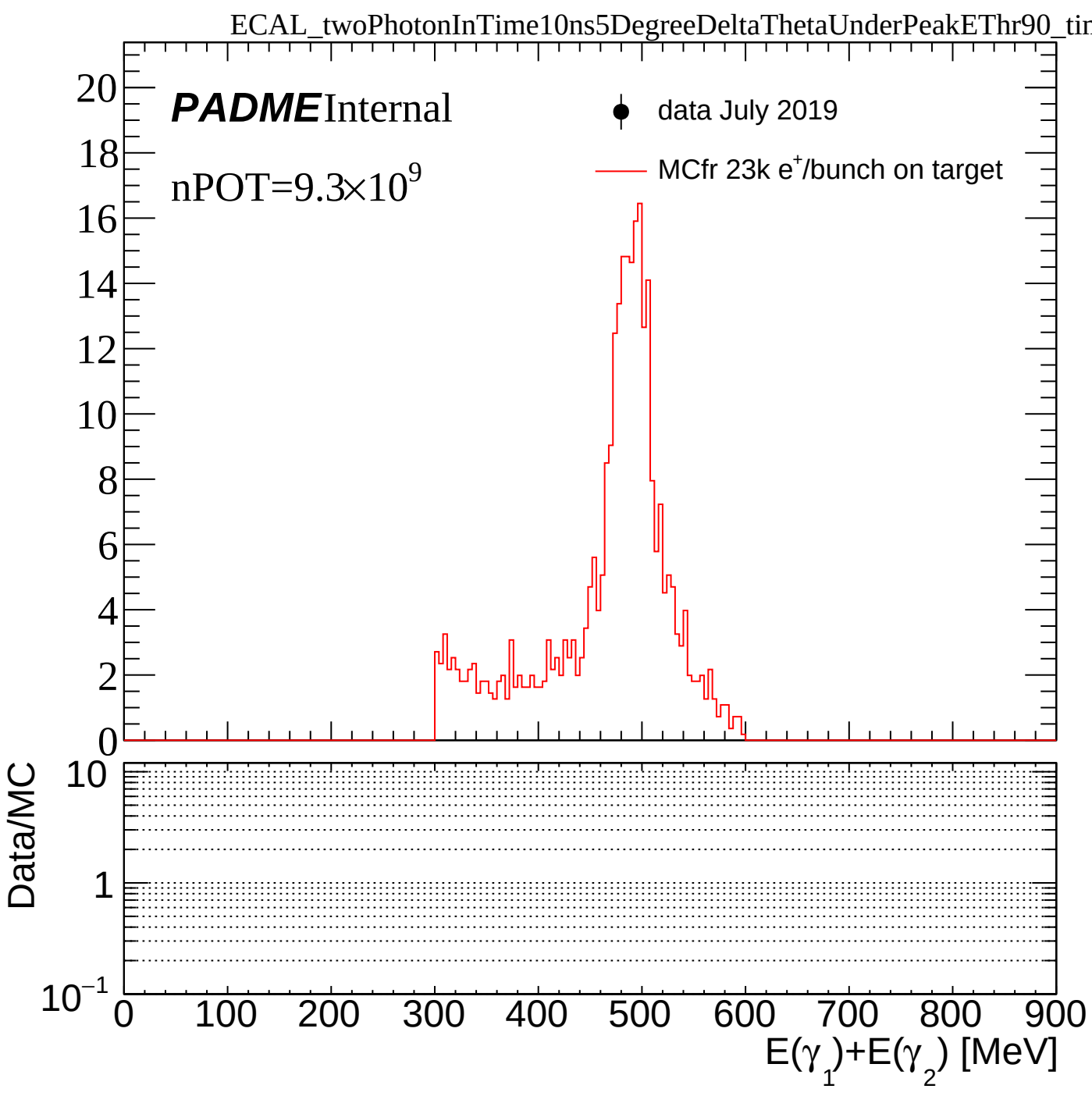

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90_tim
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
30
25
20
15
10
5
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

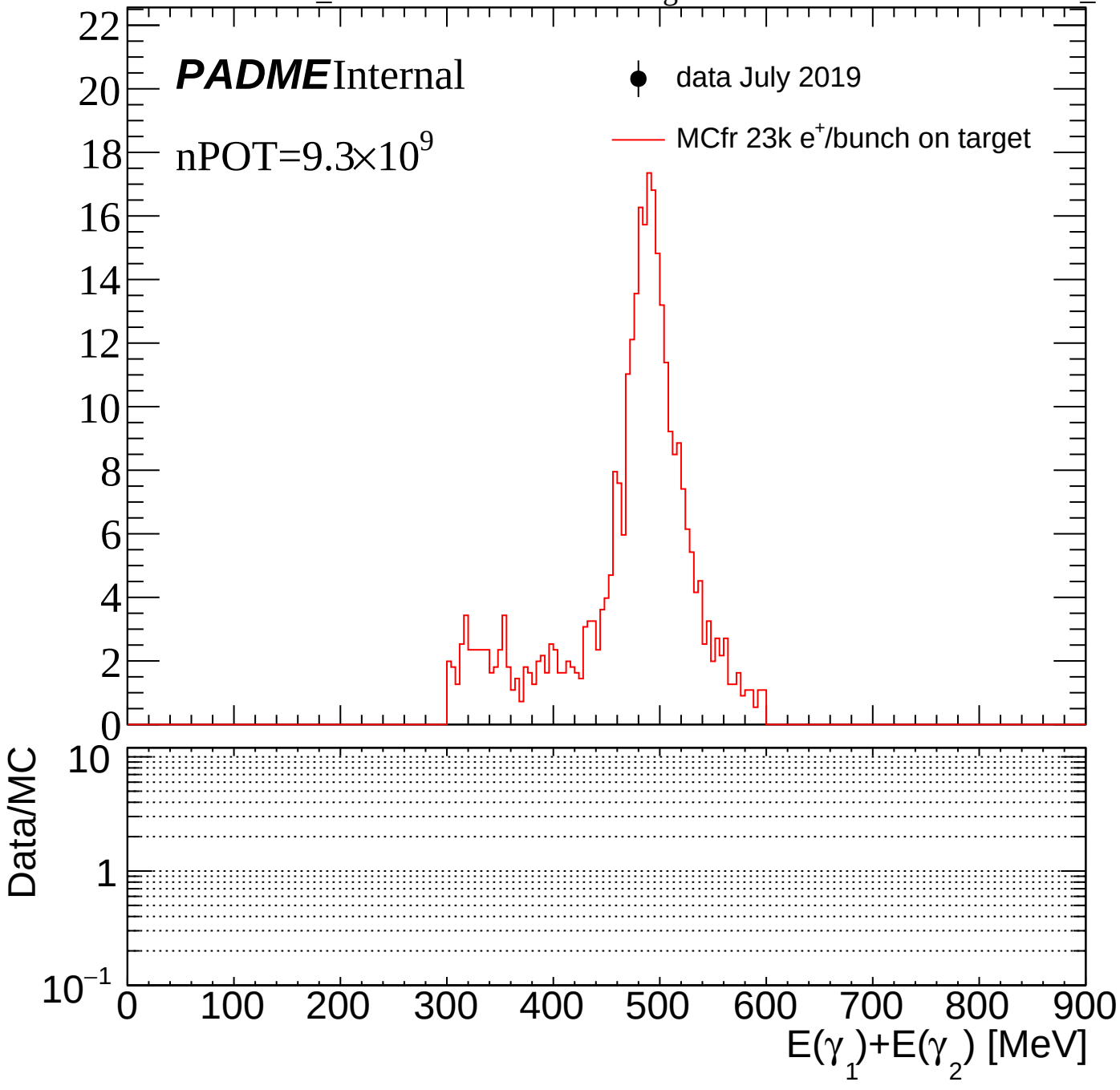

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90_tim
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
30
25
20
15
10
5
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

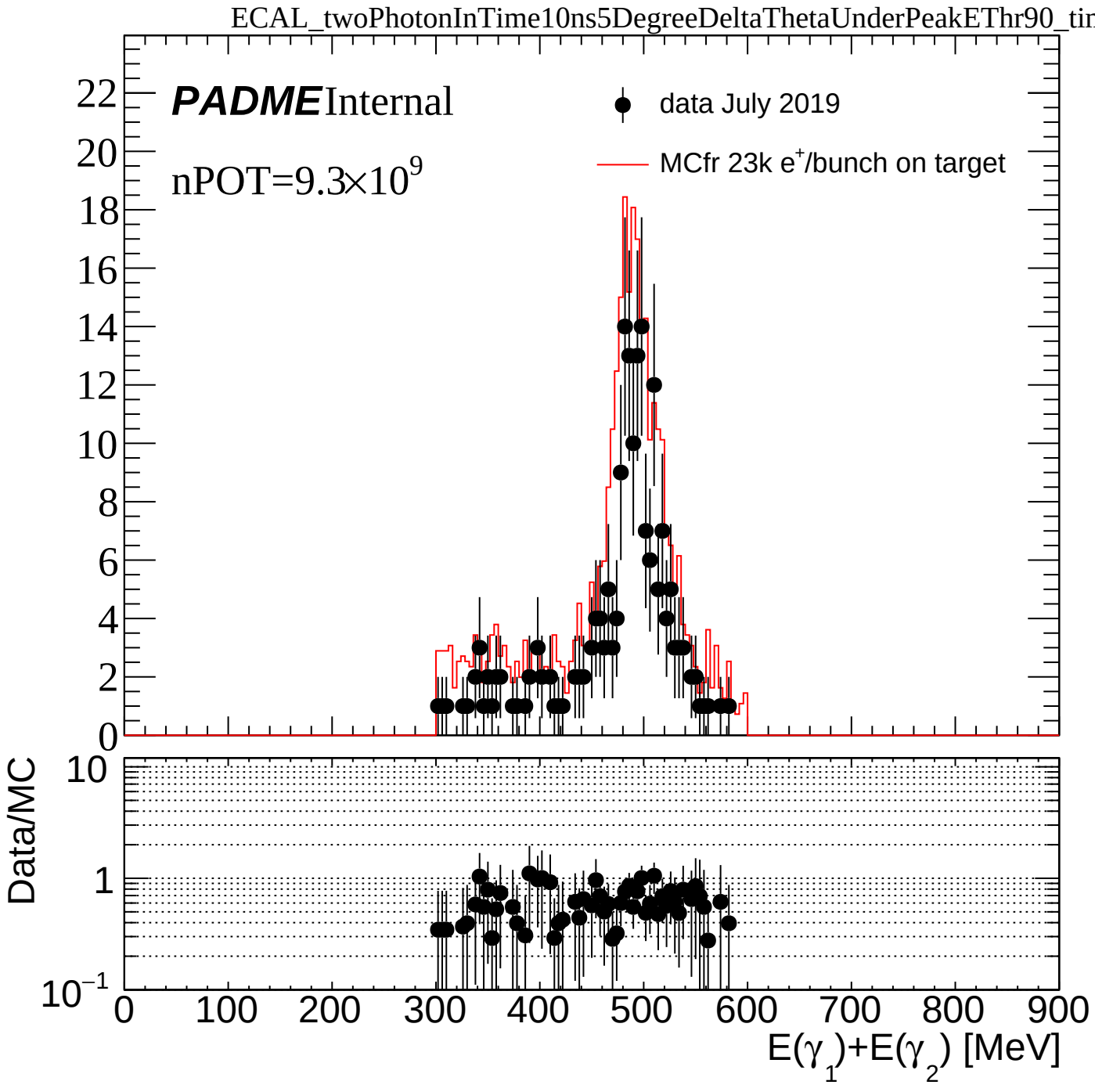

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaUnderPeakEThr90_tim
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

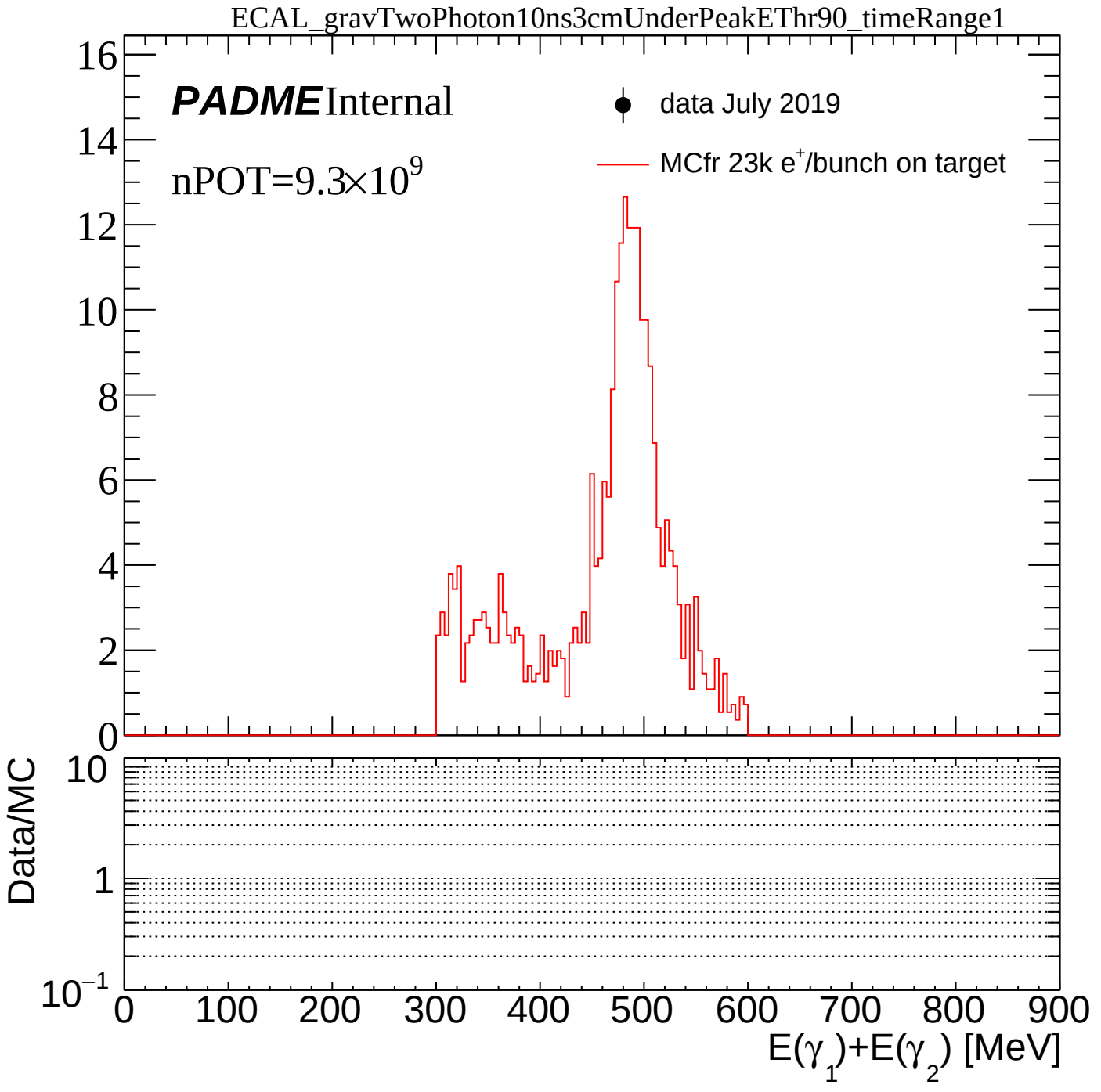

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeakEThr90_time
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

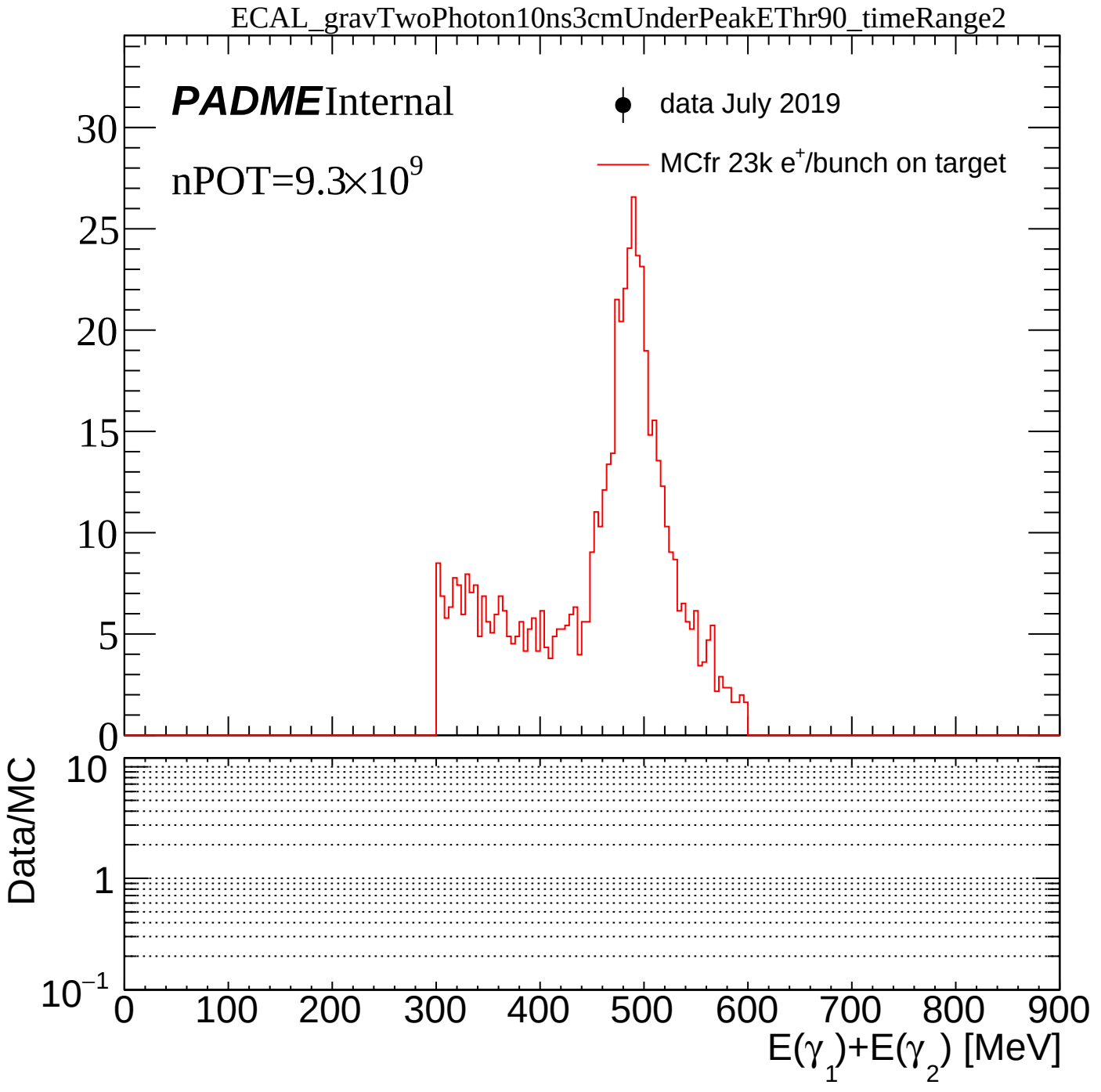

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeakEThr90_time
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
24
22
20
18
16
14
12
10
8
6
4
2
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

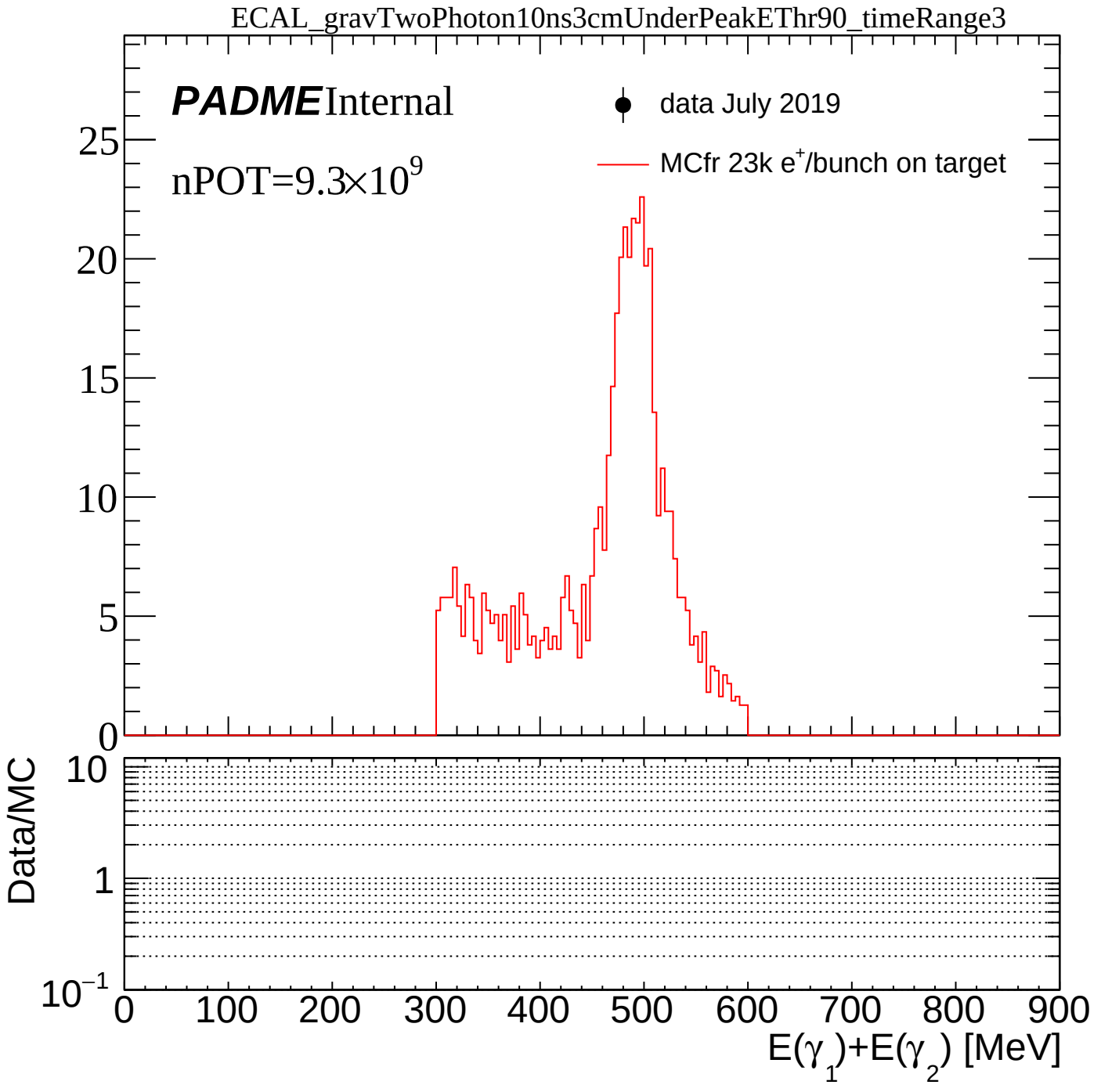

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeakEThr90_time
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
20
18
16
14
12
10
8
6
4
2
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

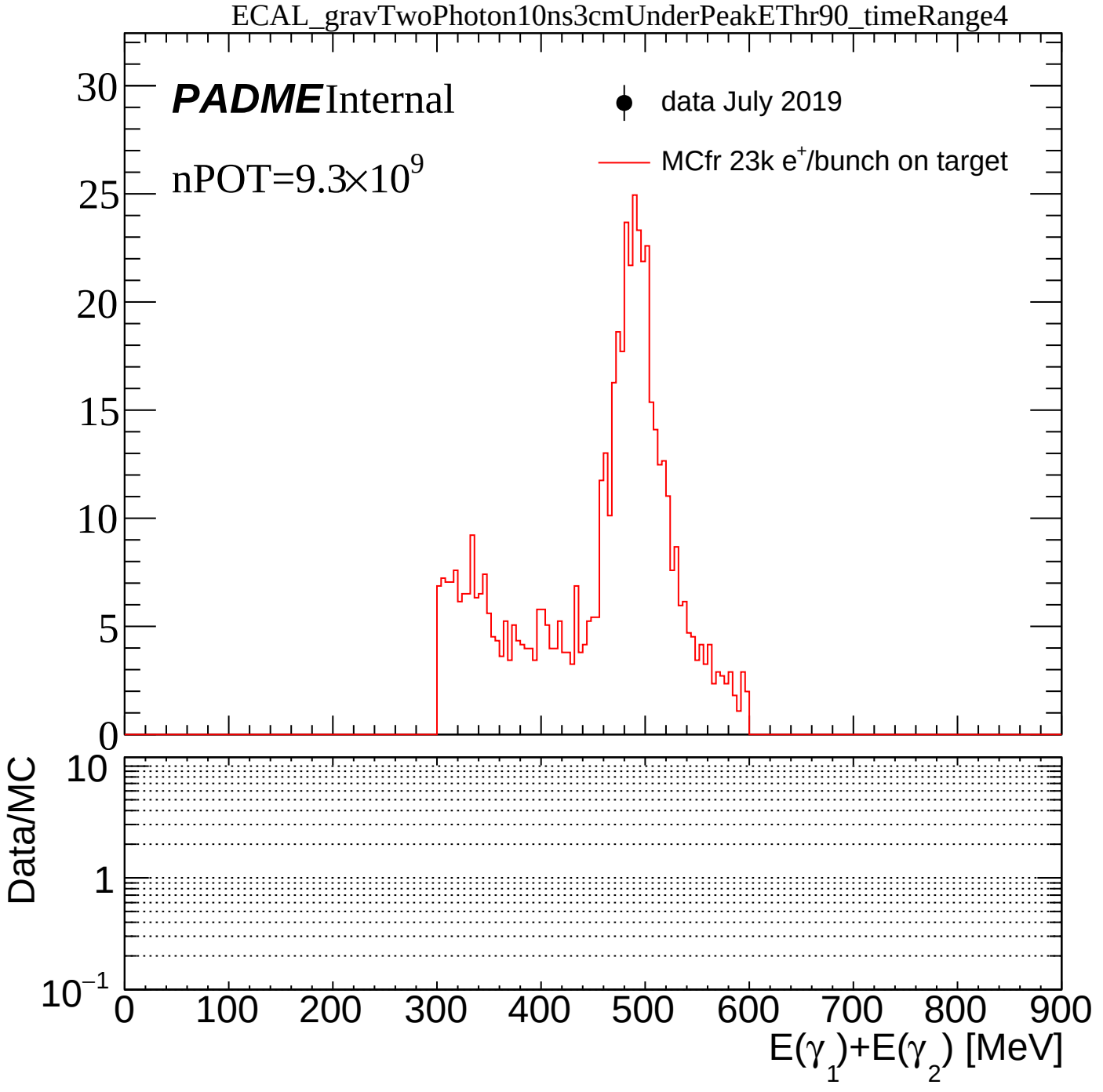

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeakEThr90_time
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

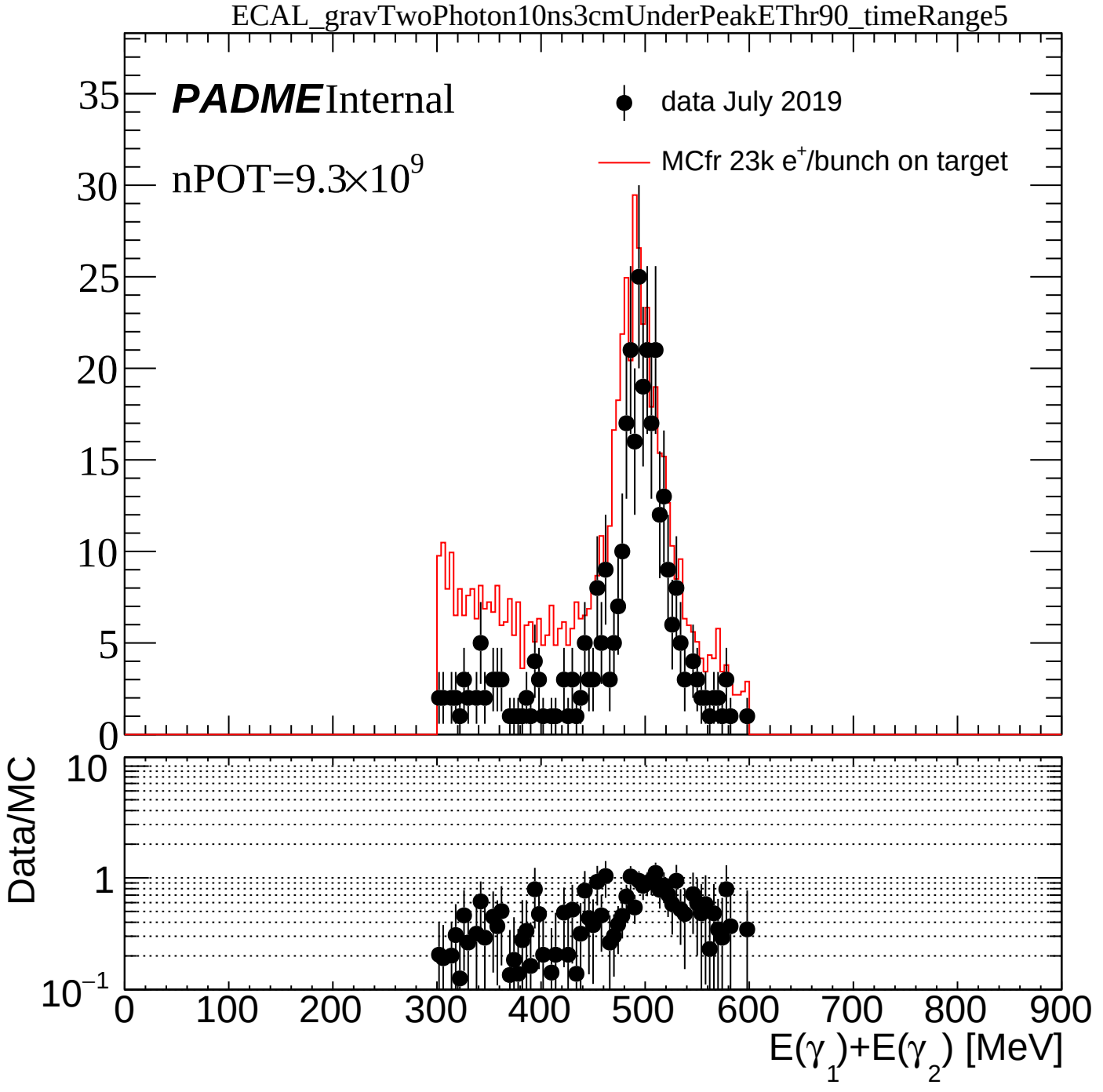

ECAL_twoPhotonInTime10ns5DegreeDeltaThetaUnderPeakEThr90_time
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

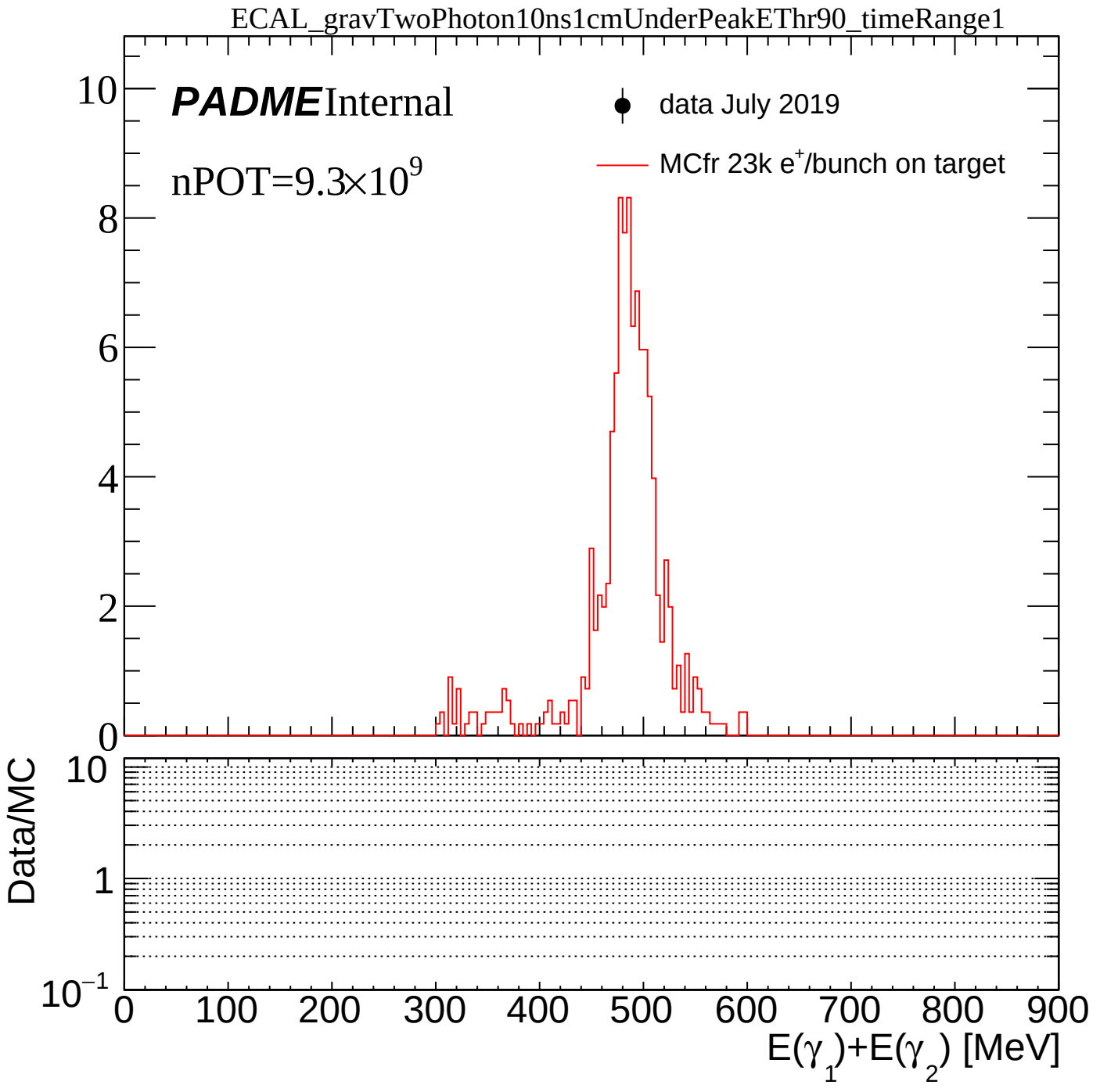

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90_timeRange1
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

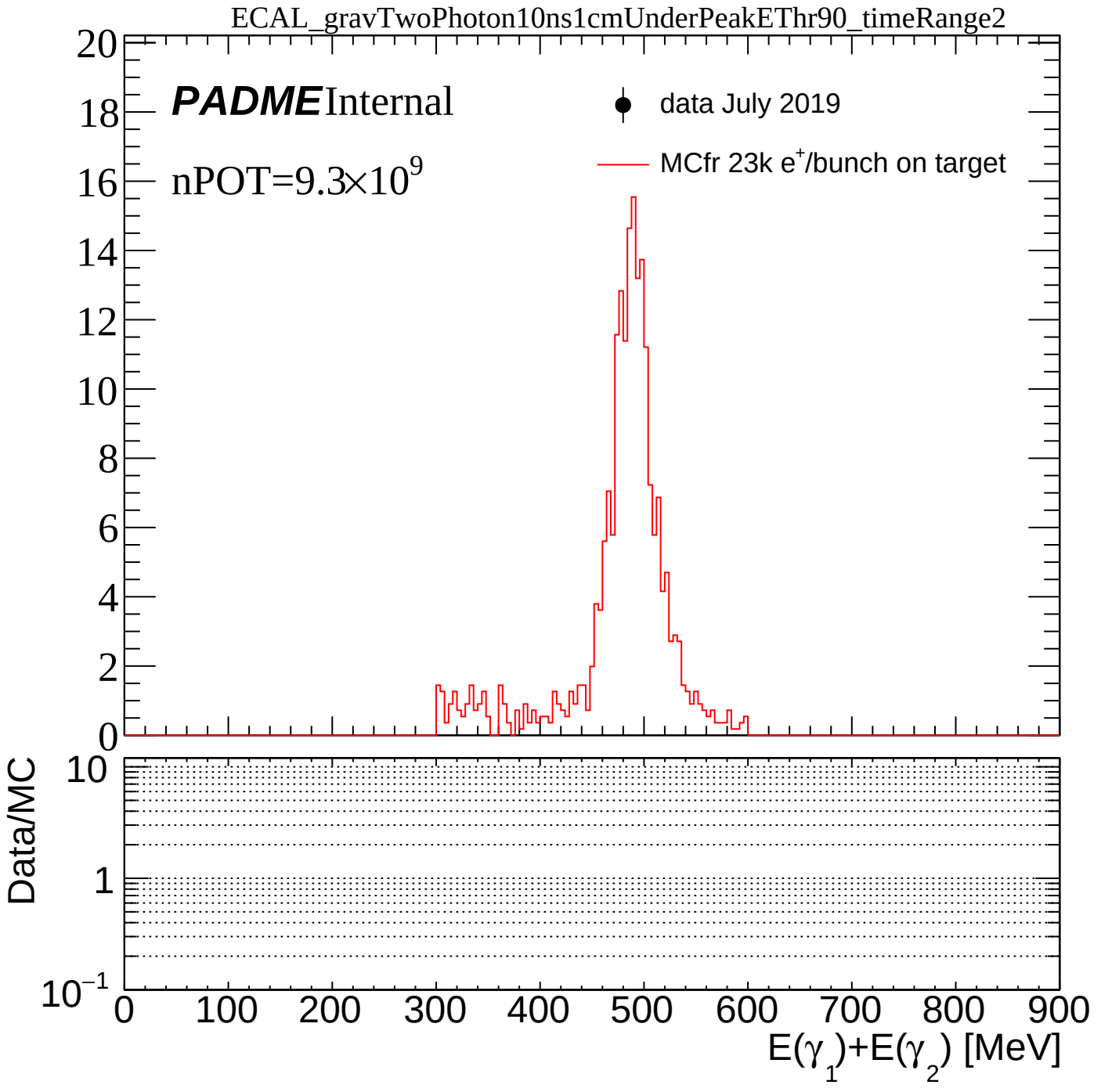

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90_timeRange2
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
30
25
20
15
10
5
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

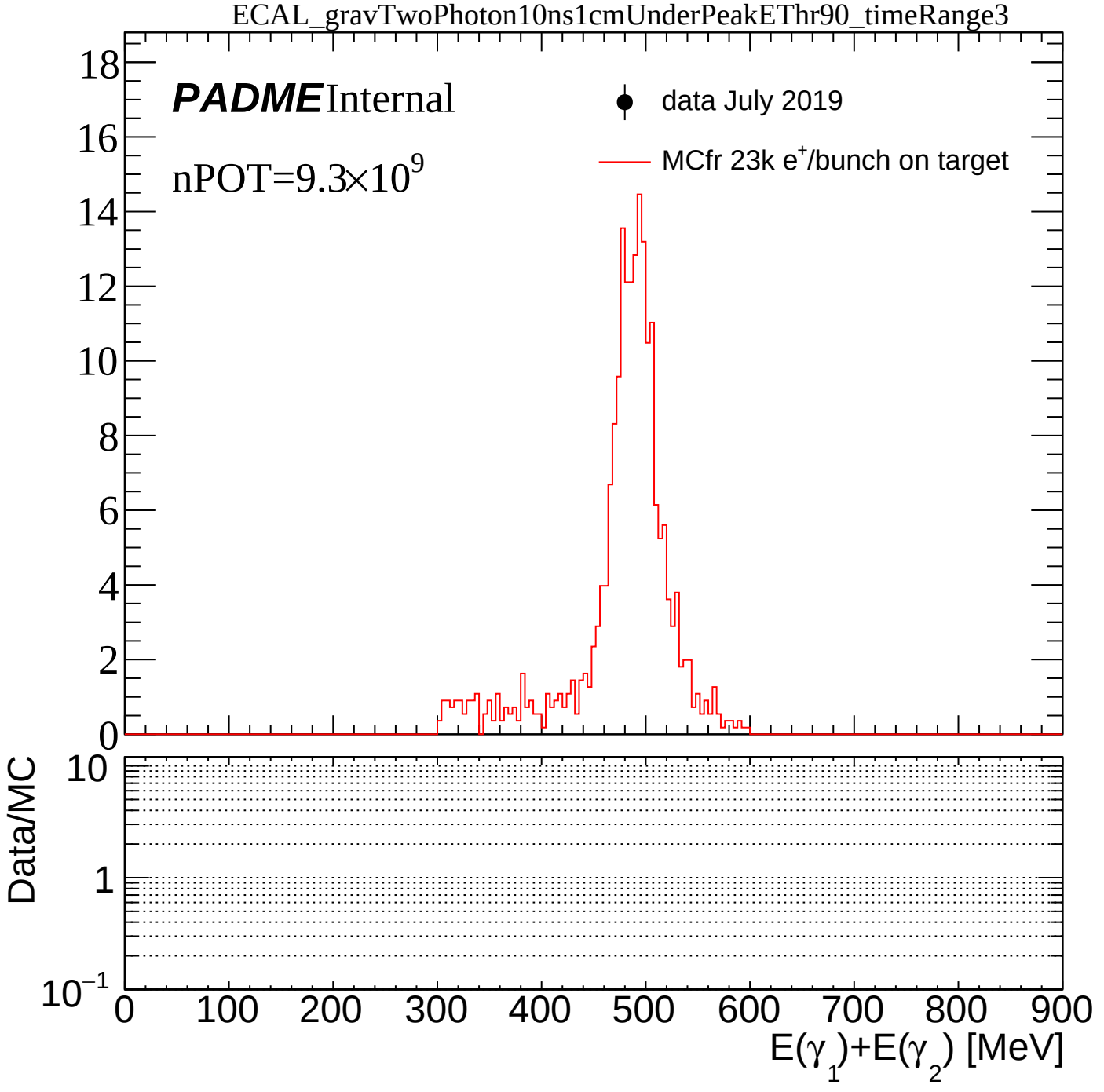

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90_timeRange3
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
25
20
15
10
5
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

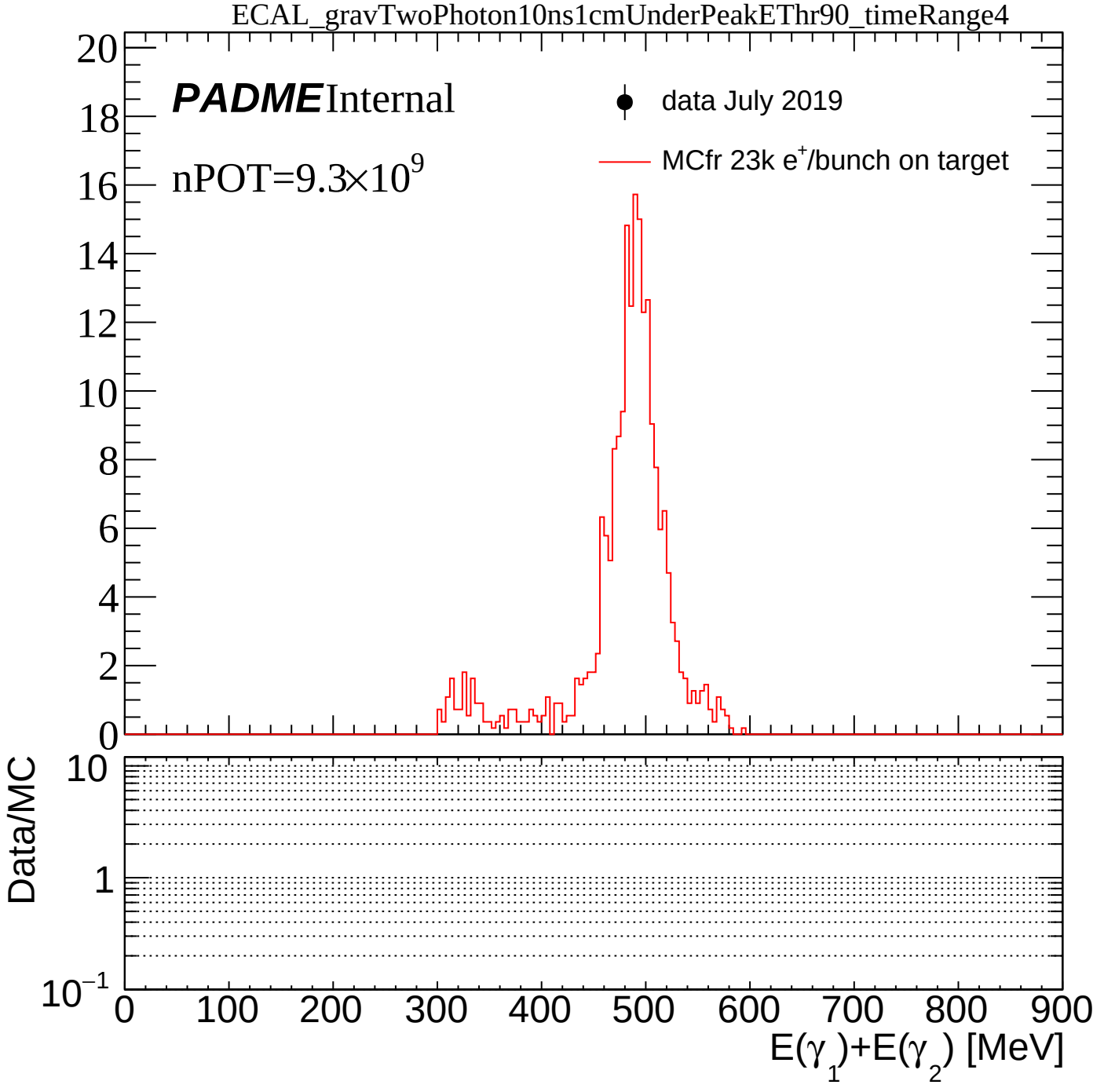

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90_timeRange4
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
30
25
20
15
10
5
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

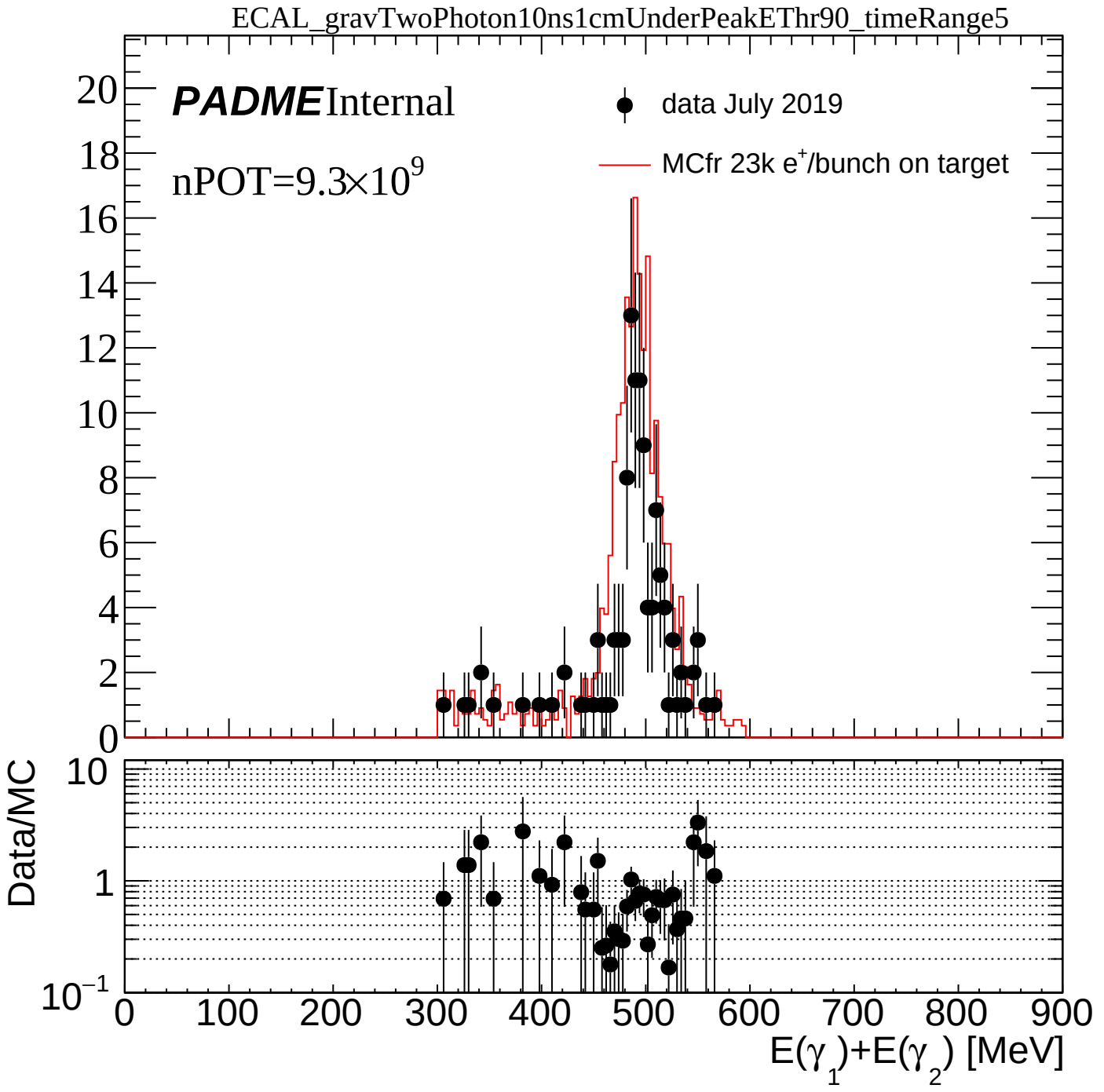

ECAL_gravTwoPhoton10ns3cmUnderPeakEThr90_timeRange5
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

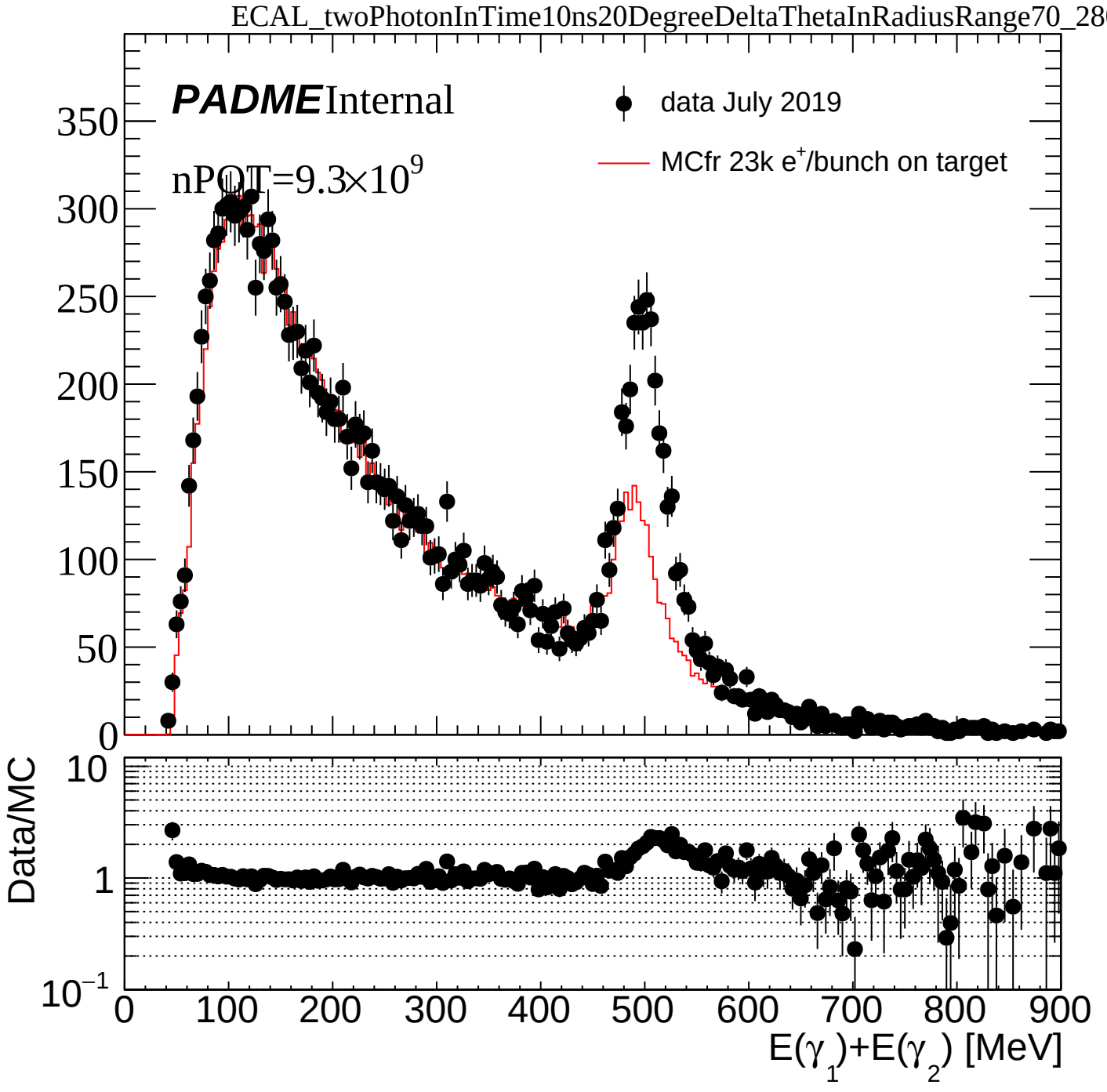

ECAL_gravTwoPhoton10ns1cmUnderPeakEThr90_timeRange1
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

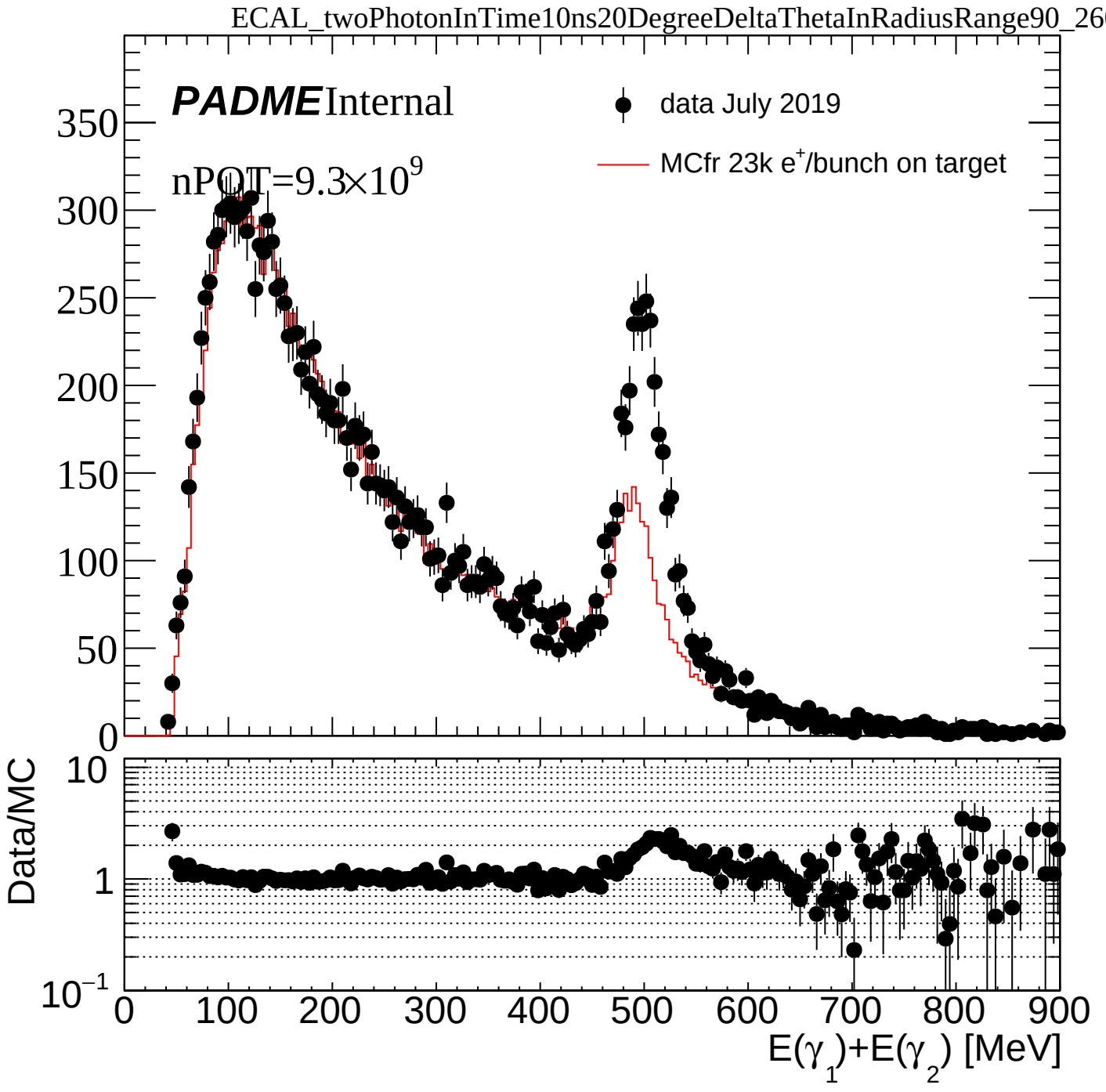

ECAL_gravTwoPhoton10ns1cmUnderPeakEThr90_timeRange2
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

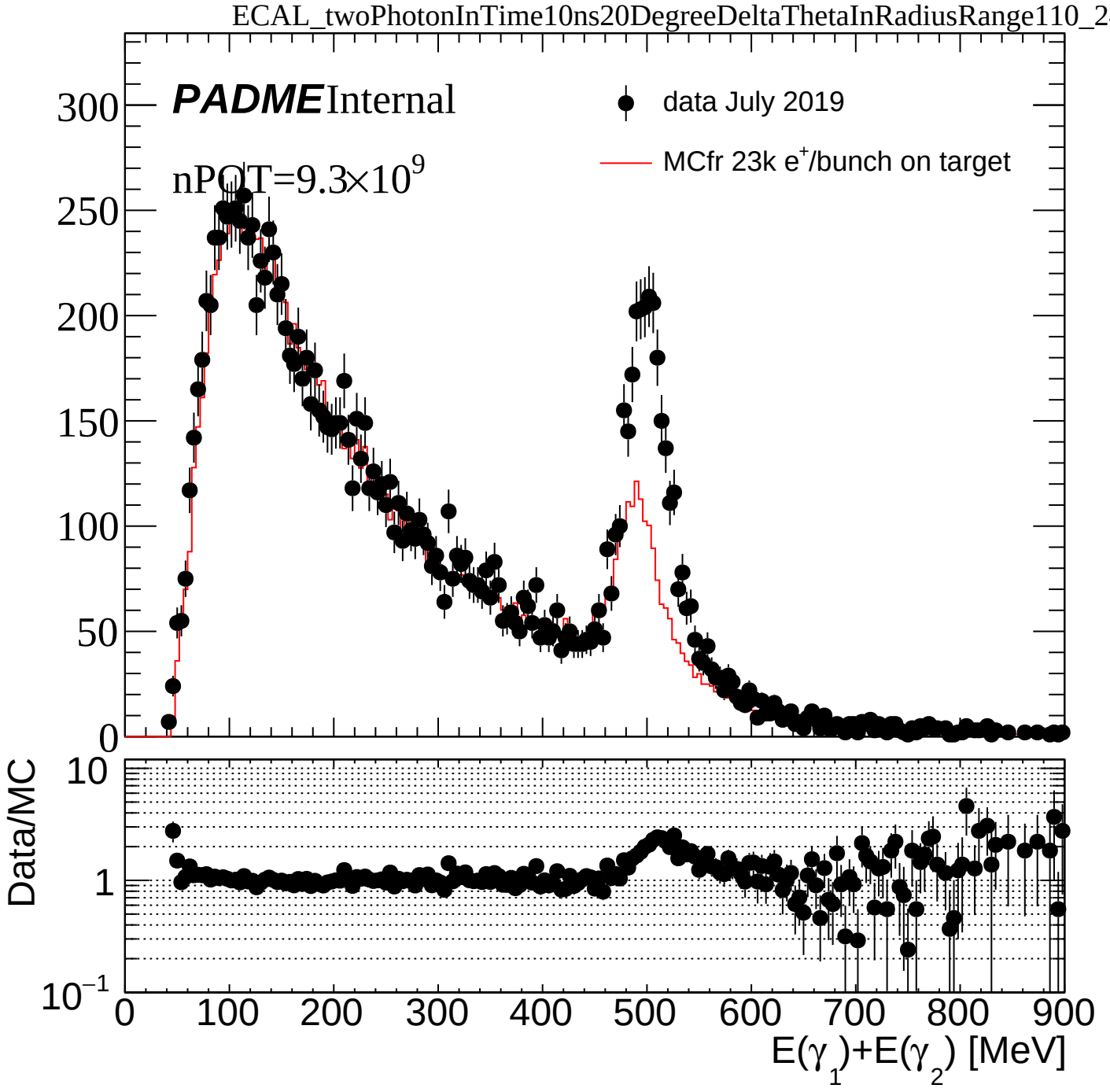

ECAL_gravTwoPhoton10ns1cmUnderPeakEThr90_timeRange3
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

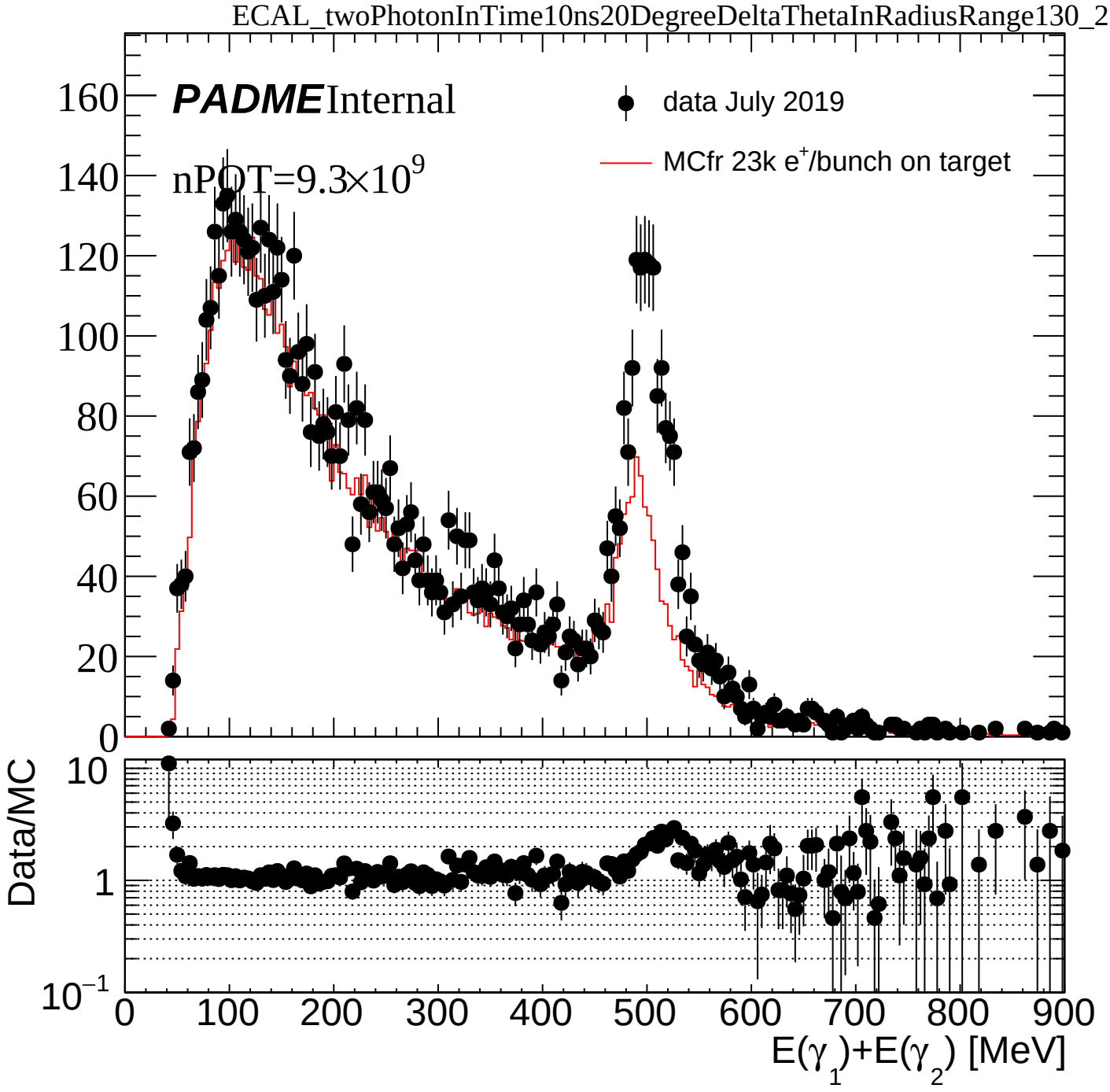

ECAL_gravTwoPhoton10ns1cmUnderPeakEThr90_timeRange4
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

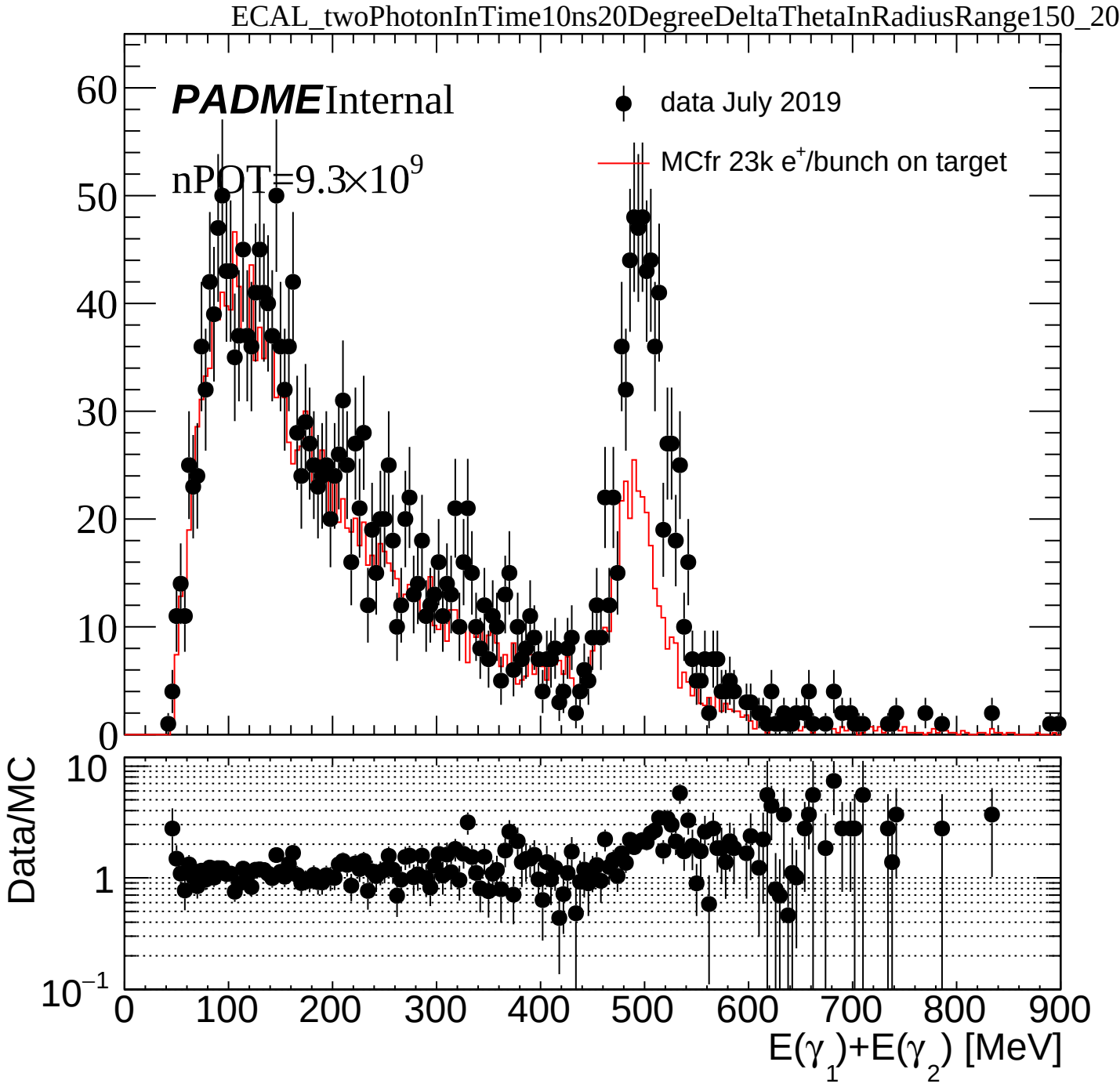

ECAL_gravTwoPhoton10ns1cmUnderPeakEThr90_timeRange5
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

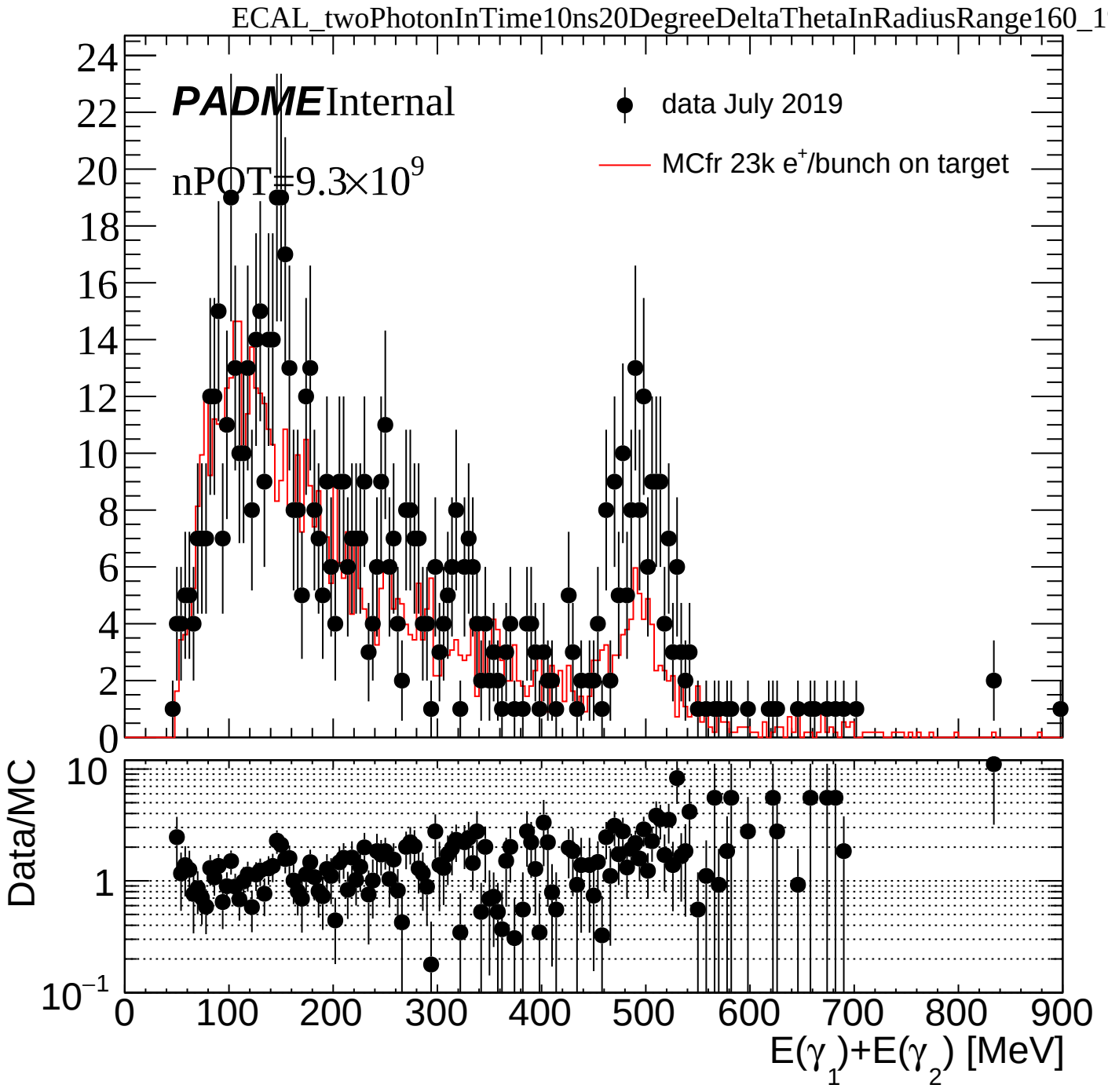

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

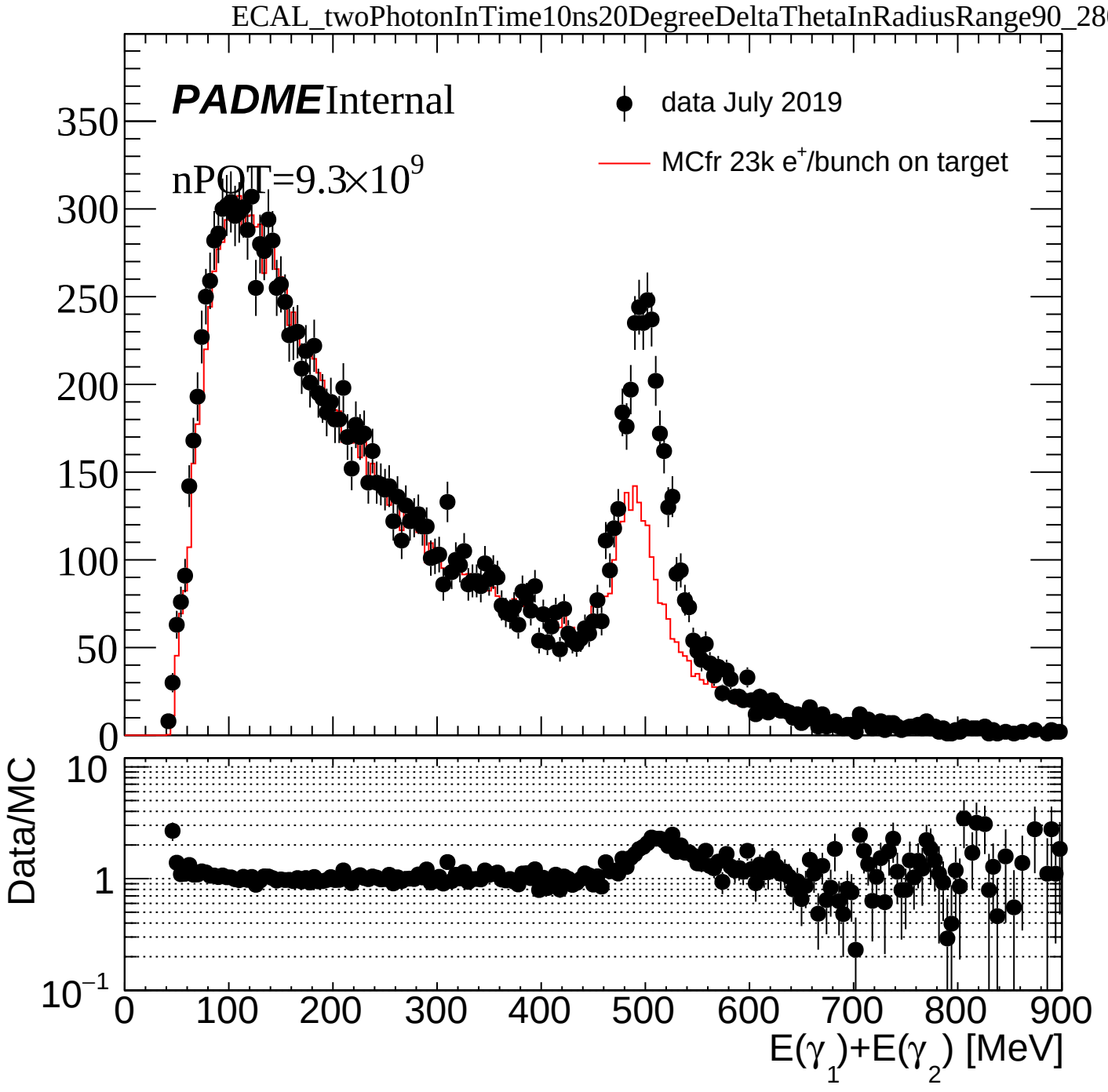

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_260
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

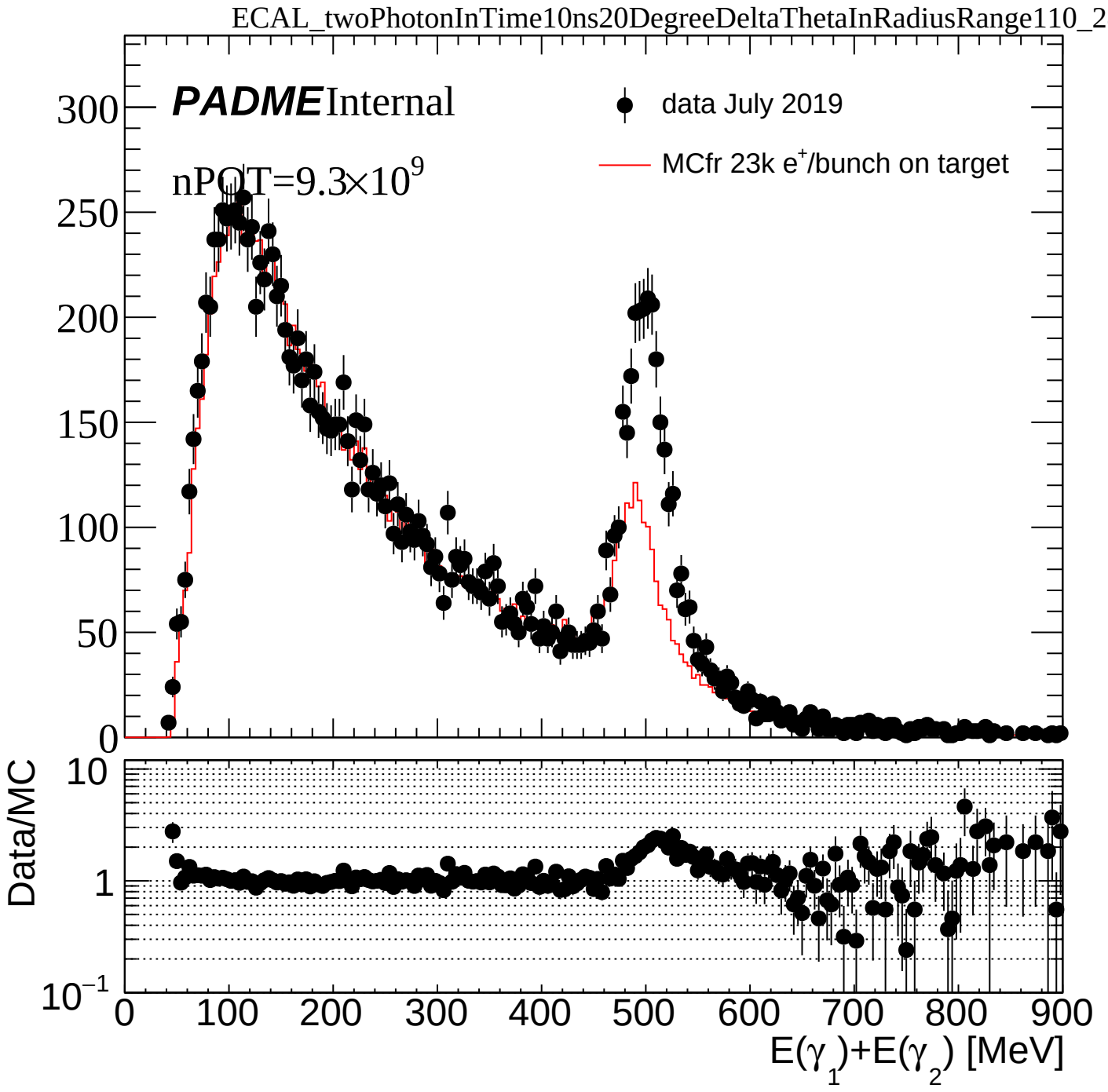

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

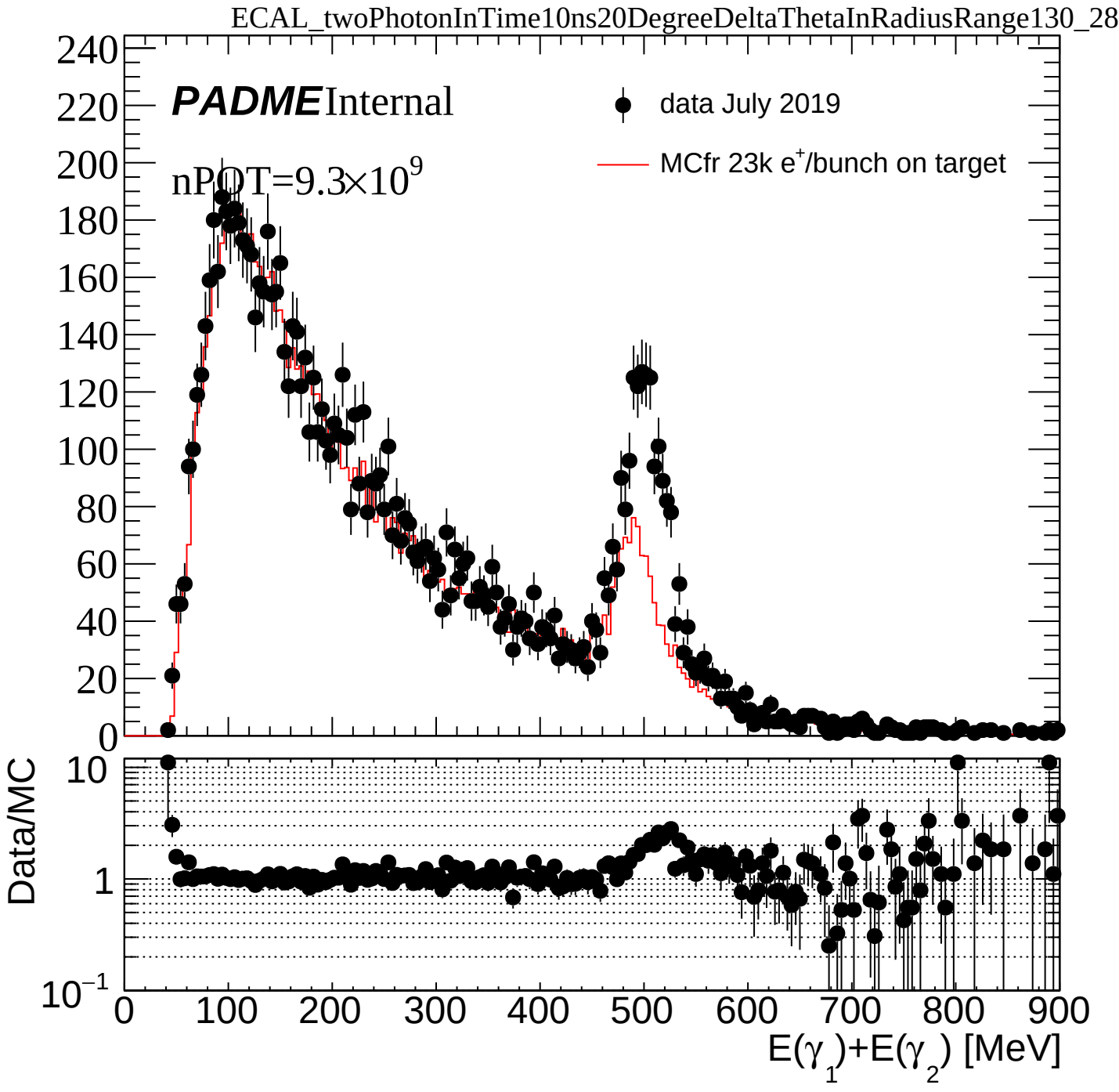

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

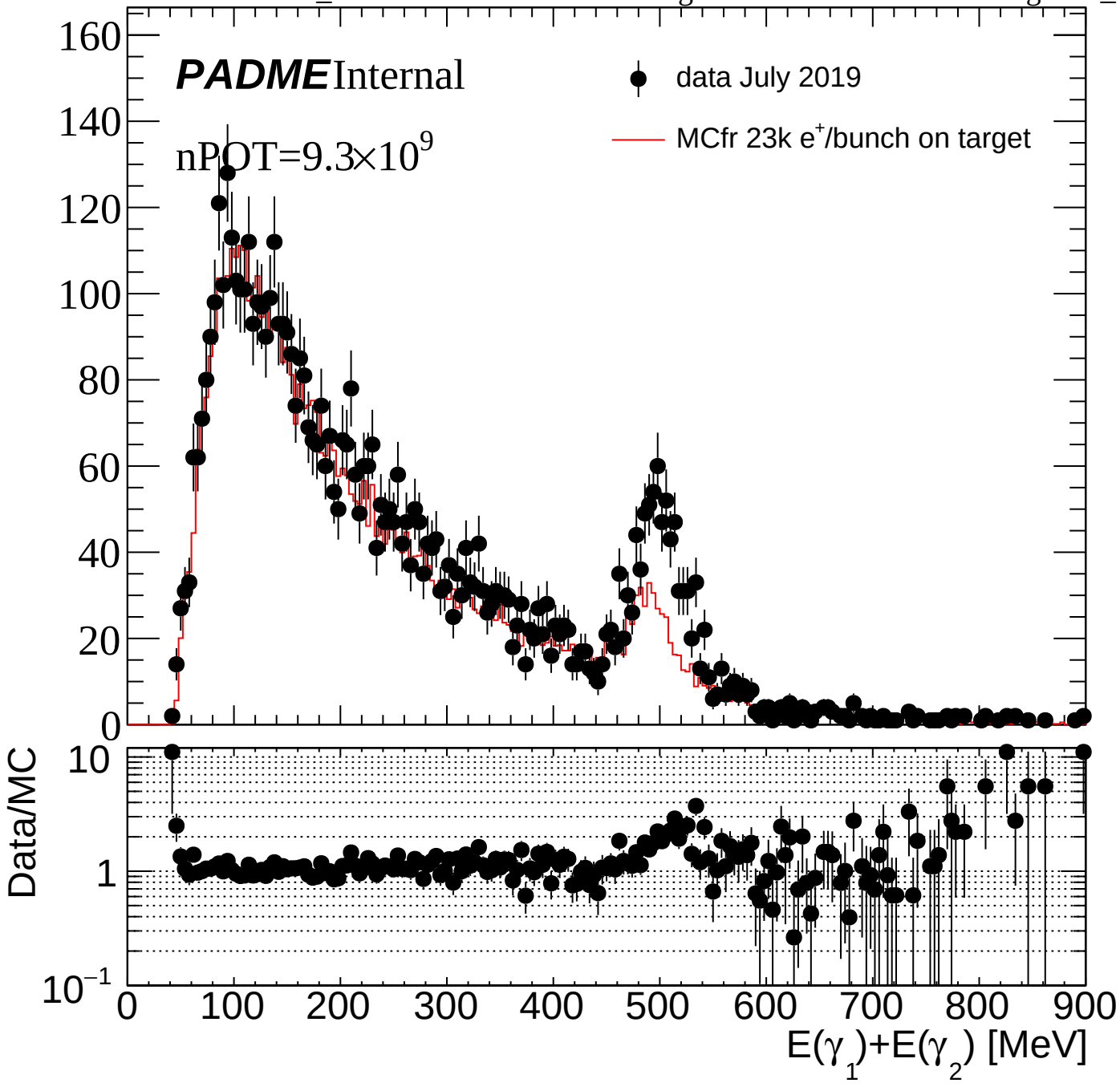

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

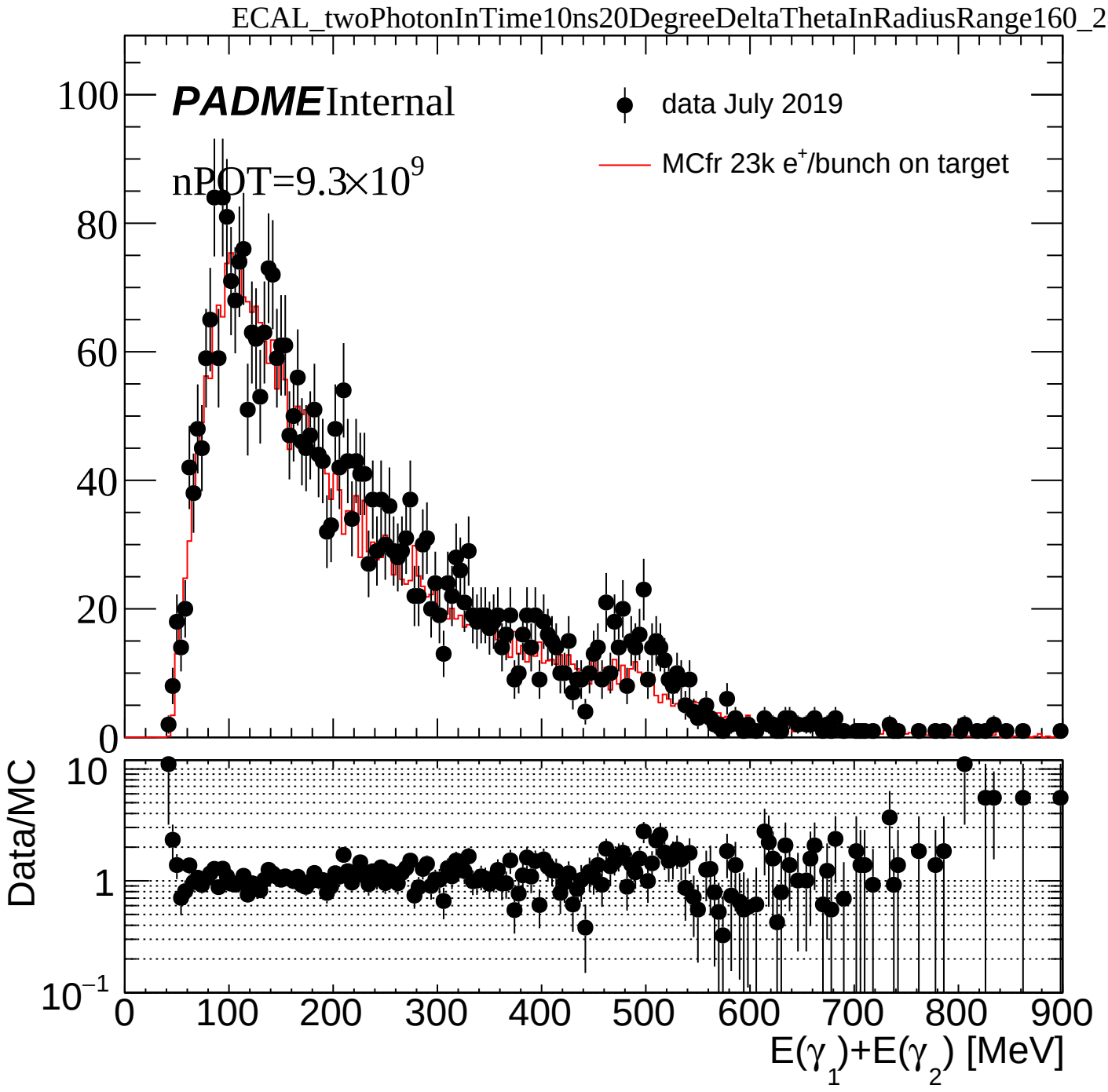

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_19
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

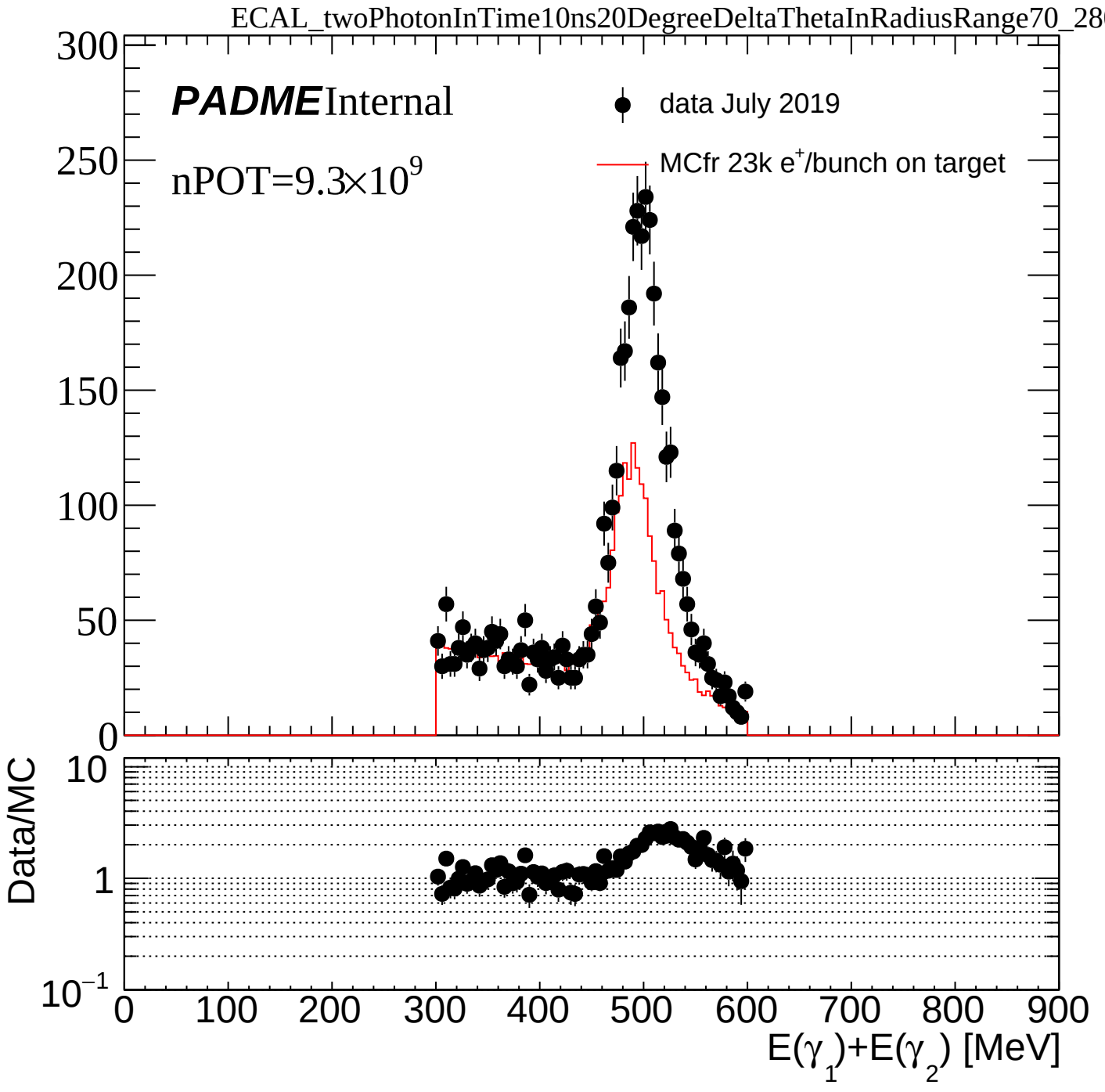

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

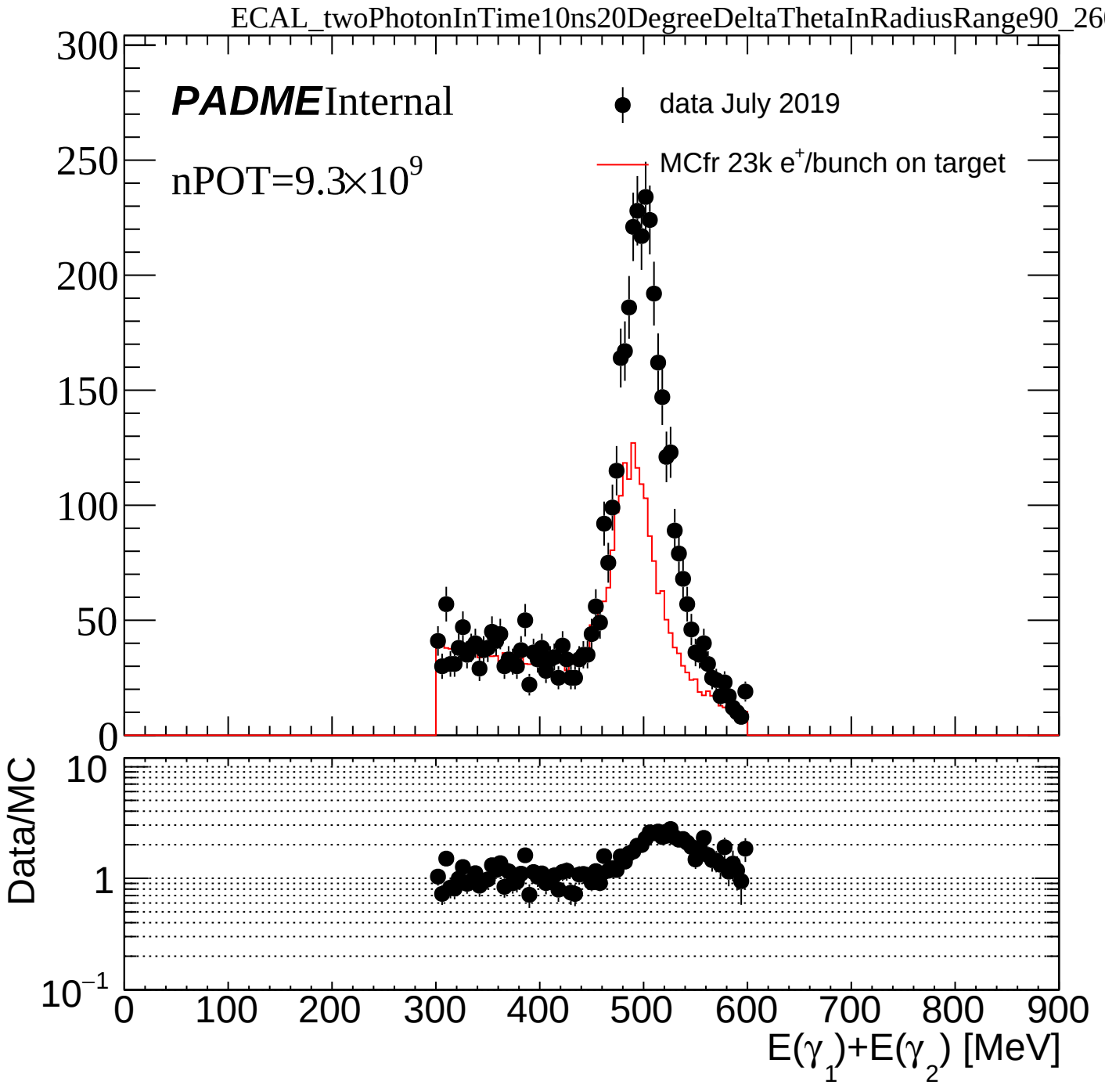

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

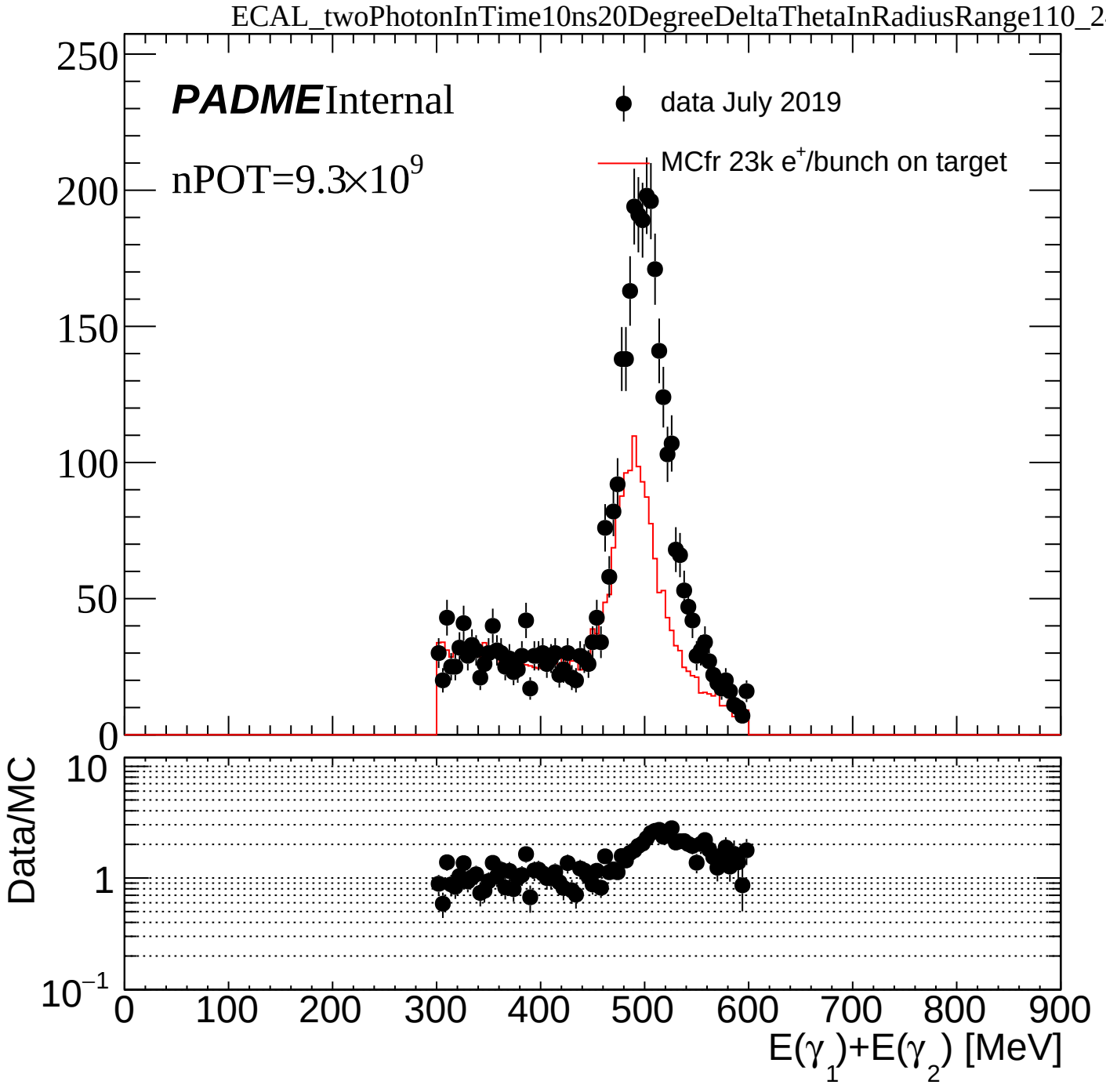

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

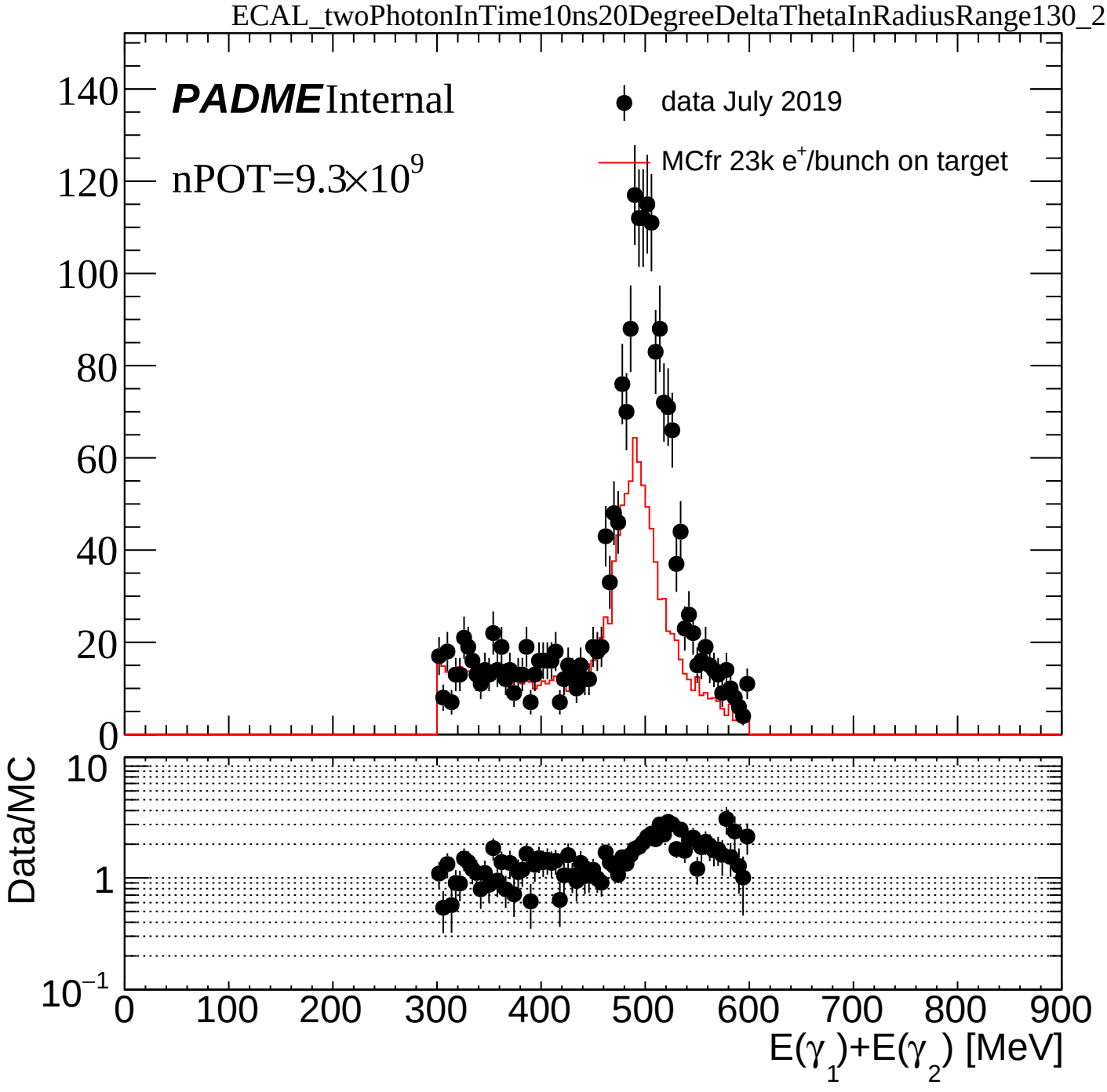

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

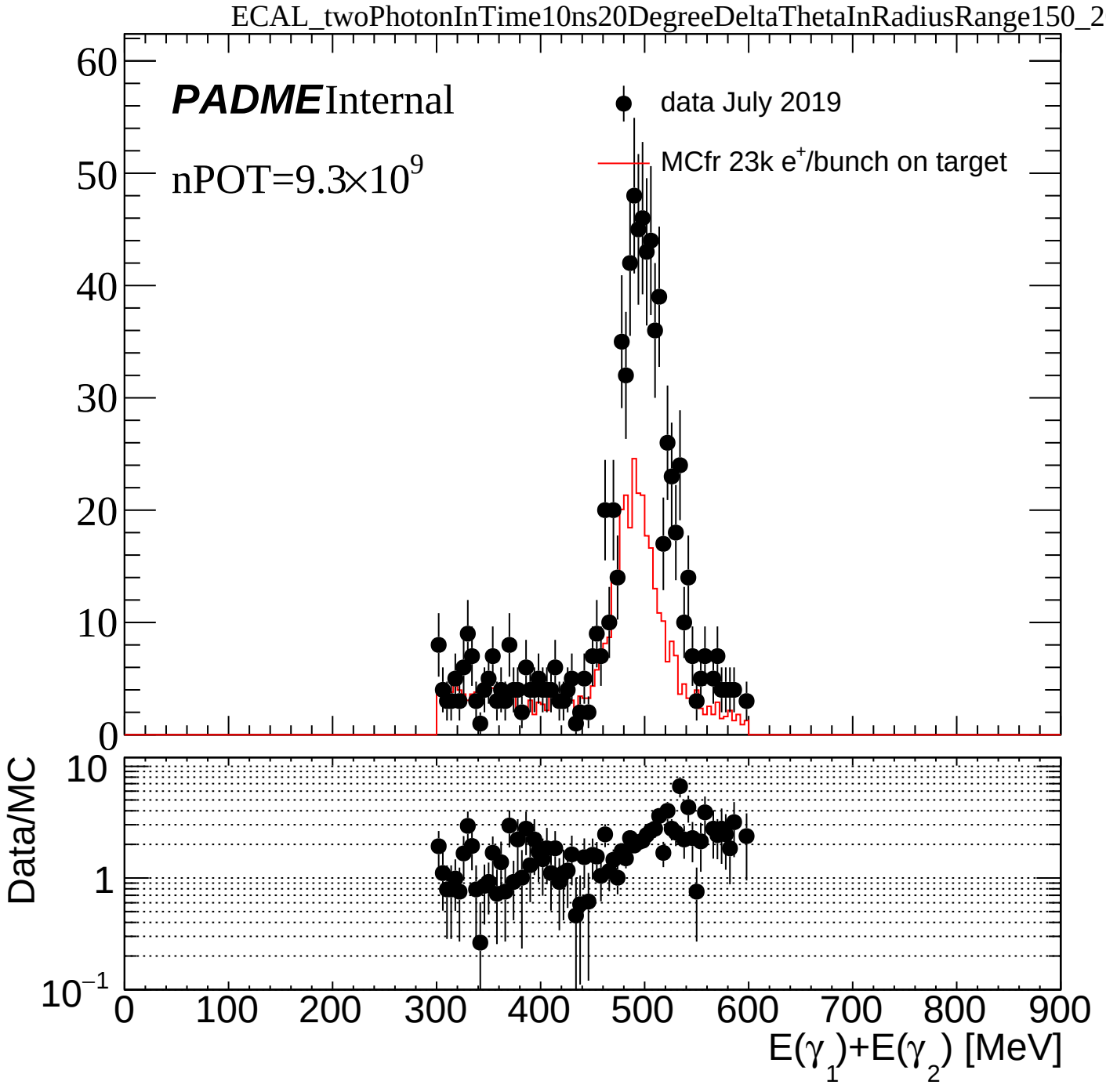

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

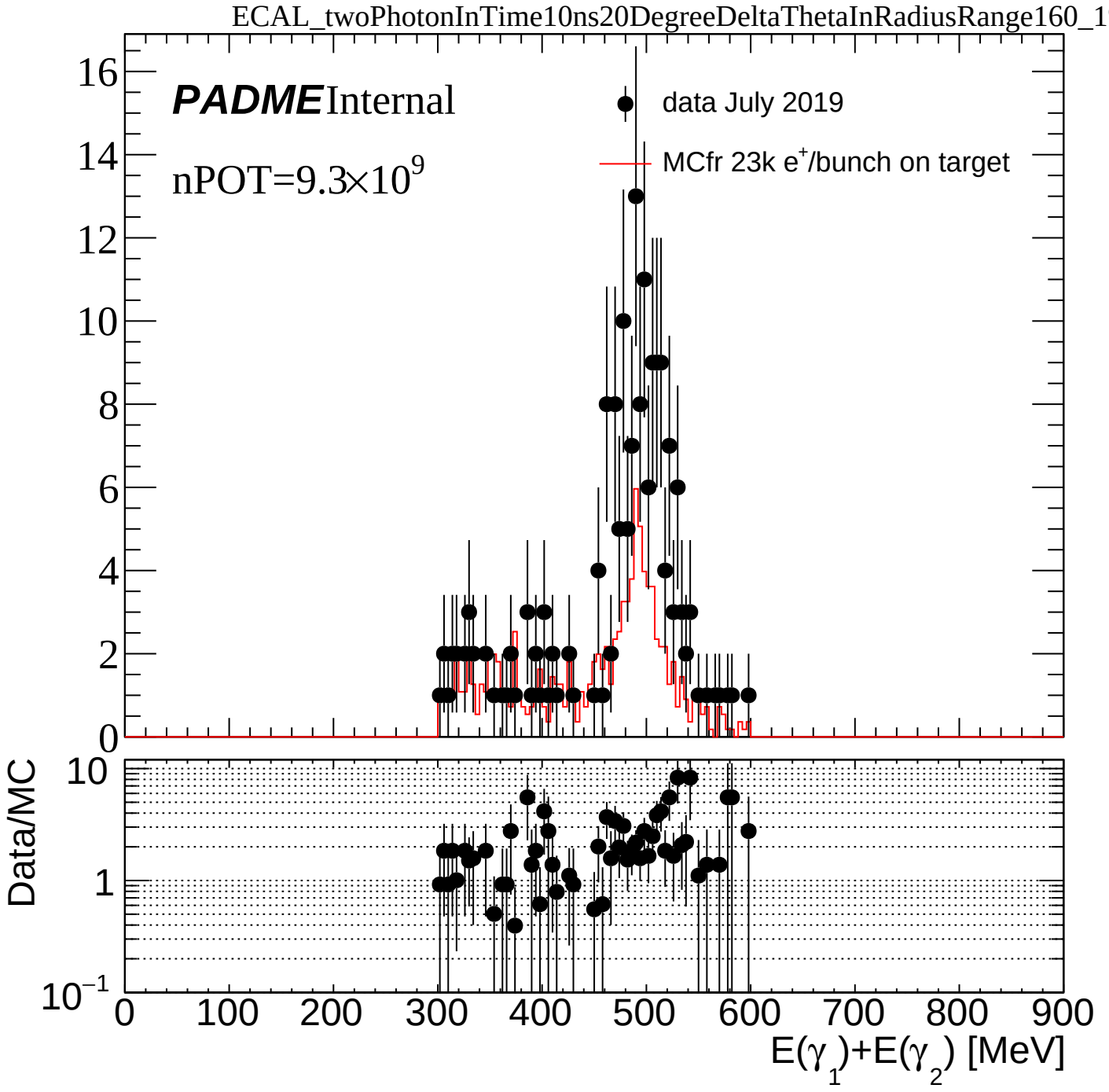

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange70_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

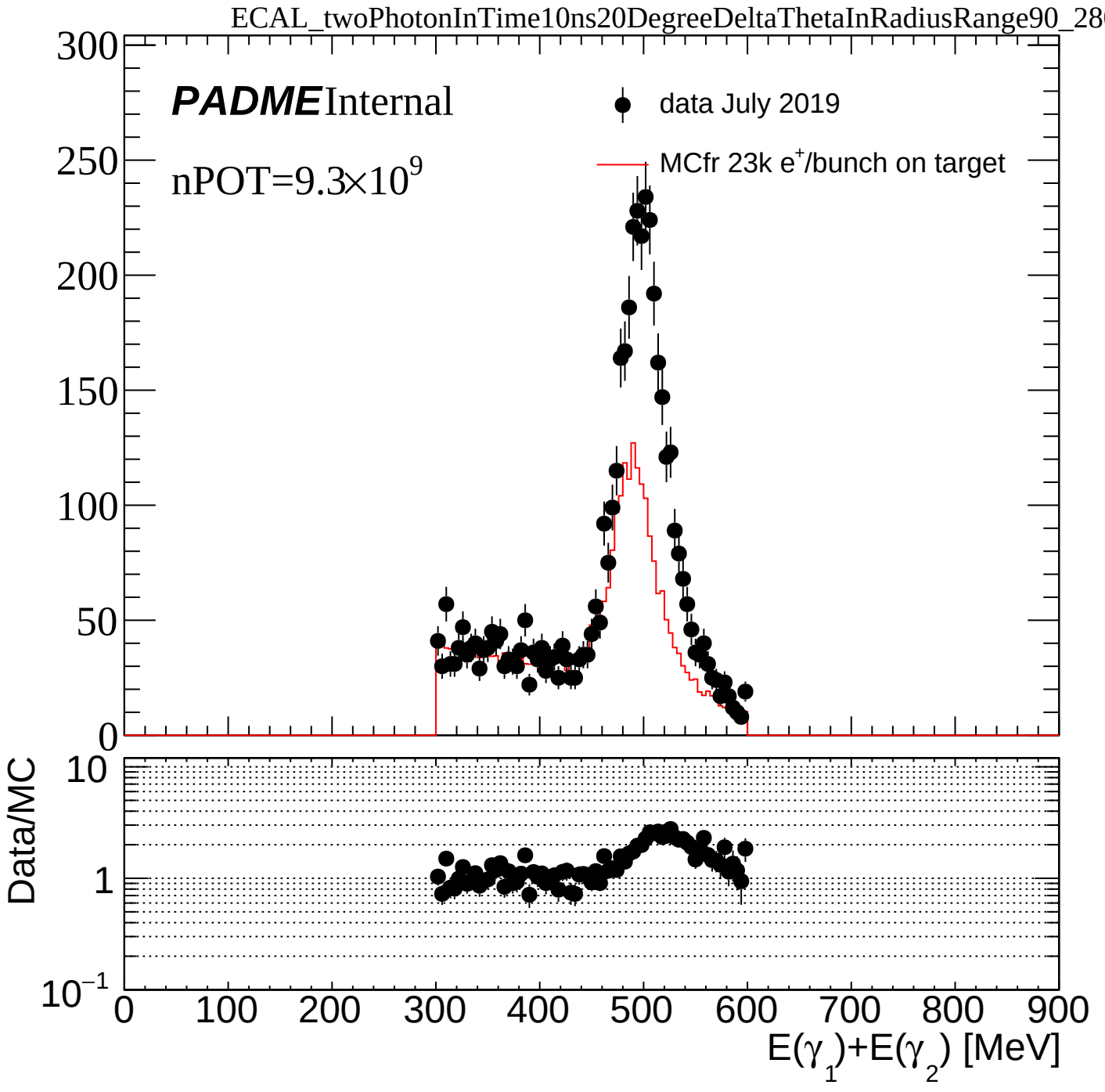

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_260
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

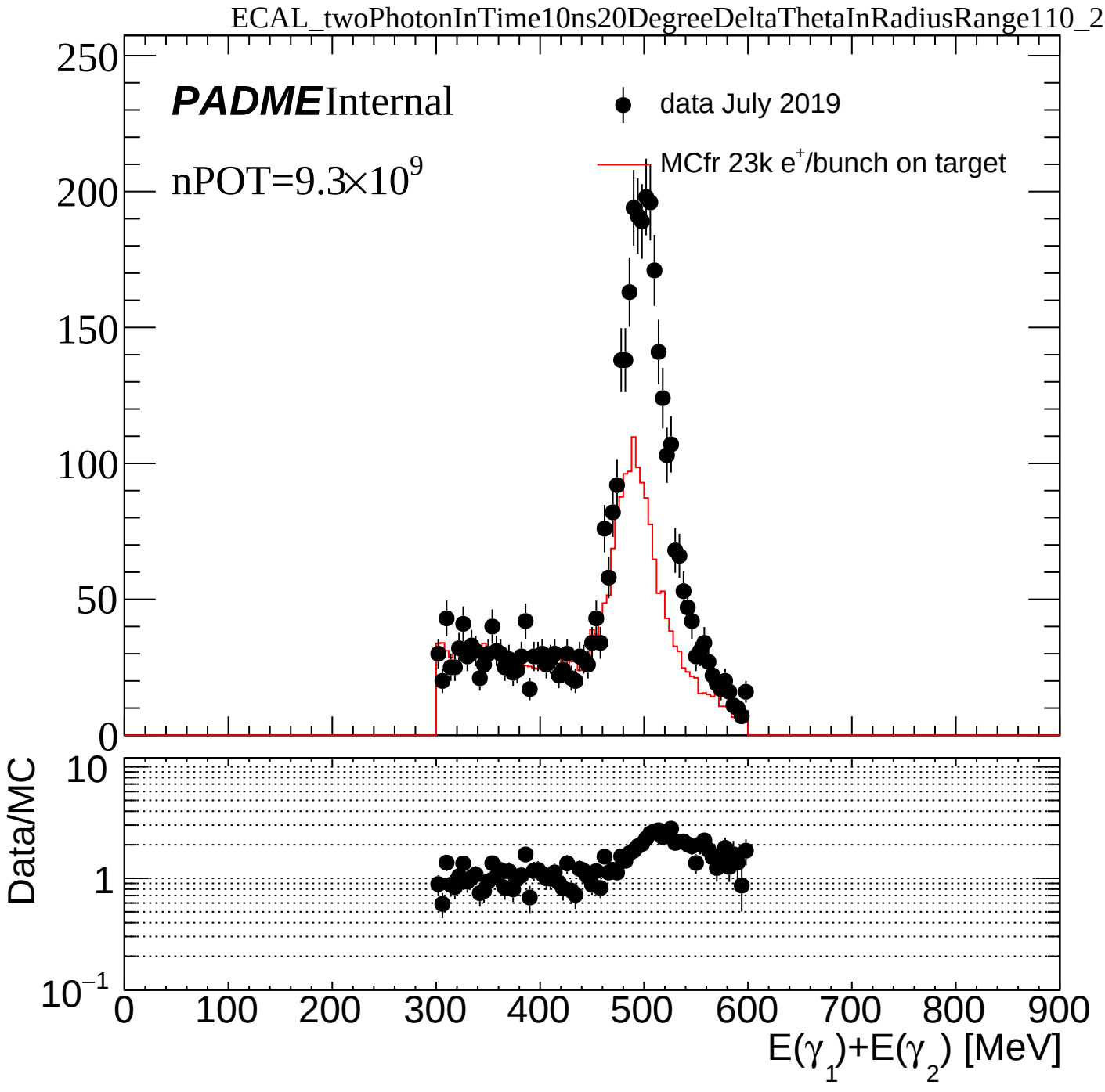

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_24
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

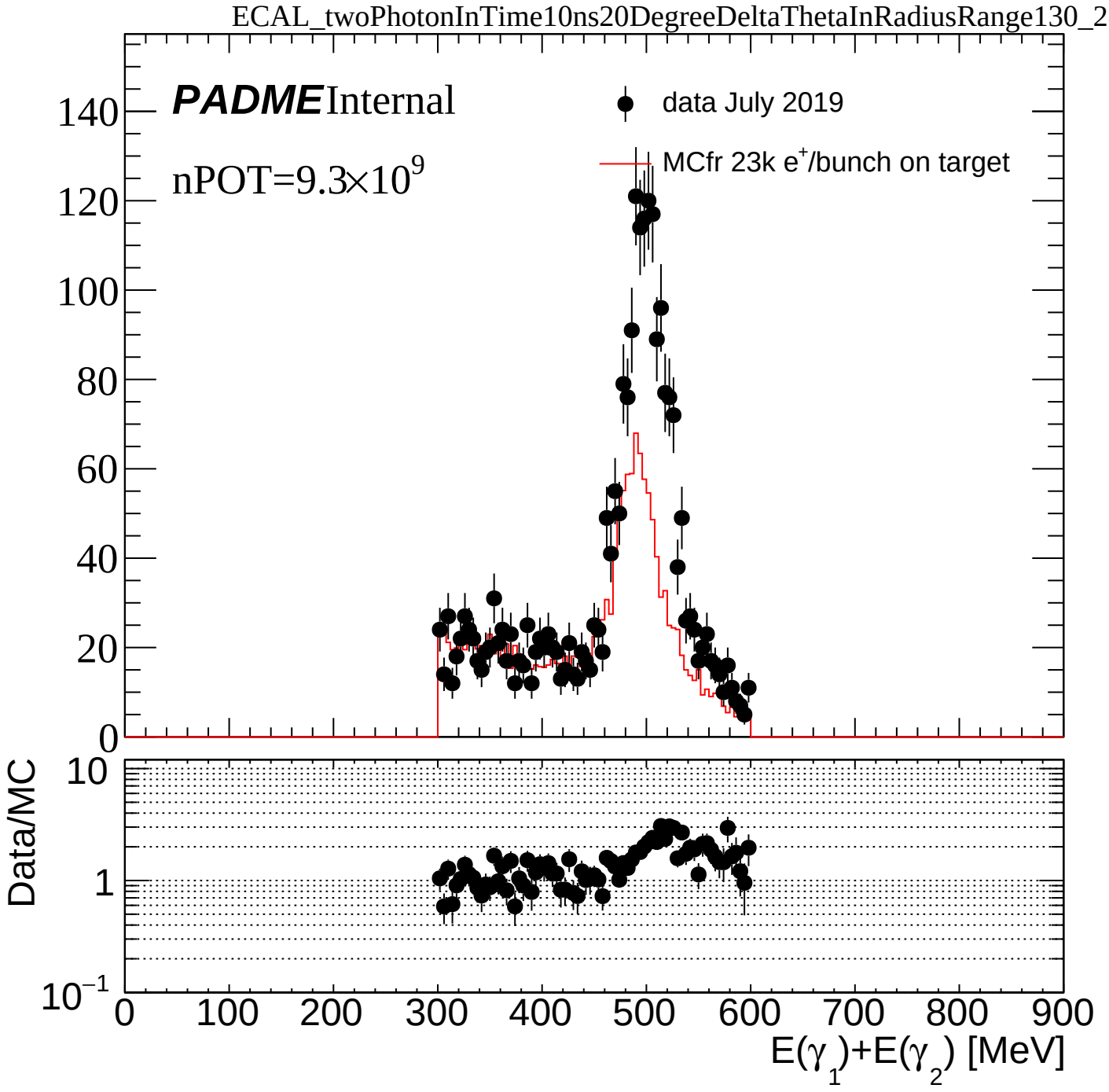

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_22
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

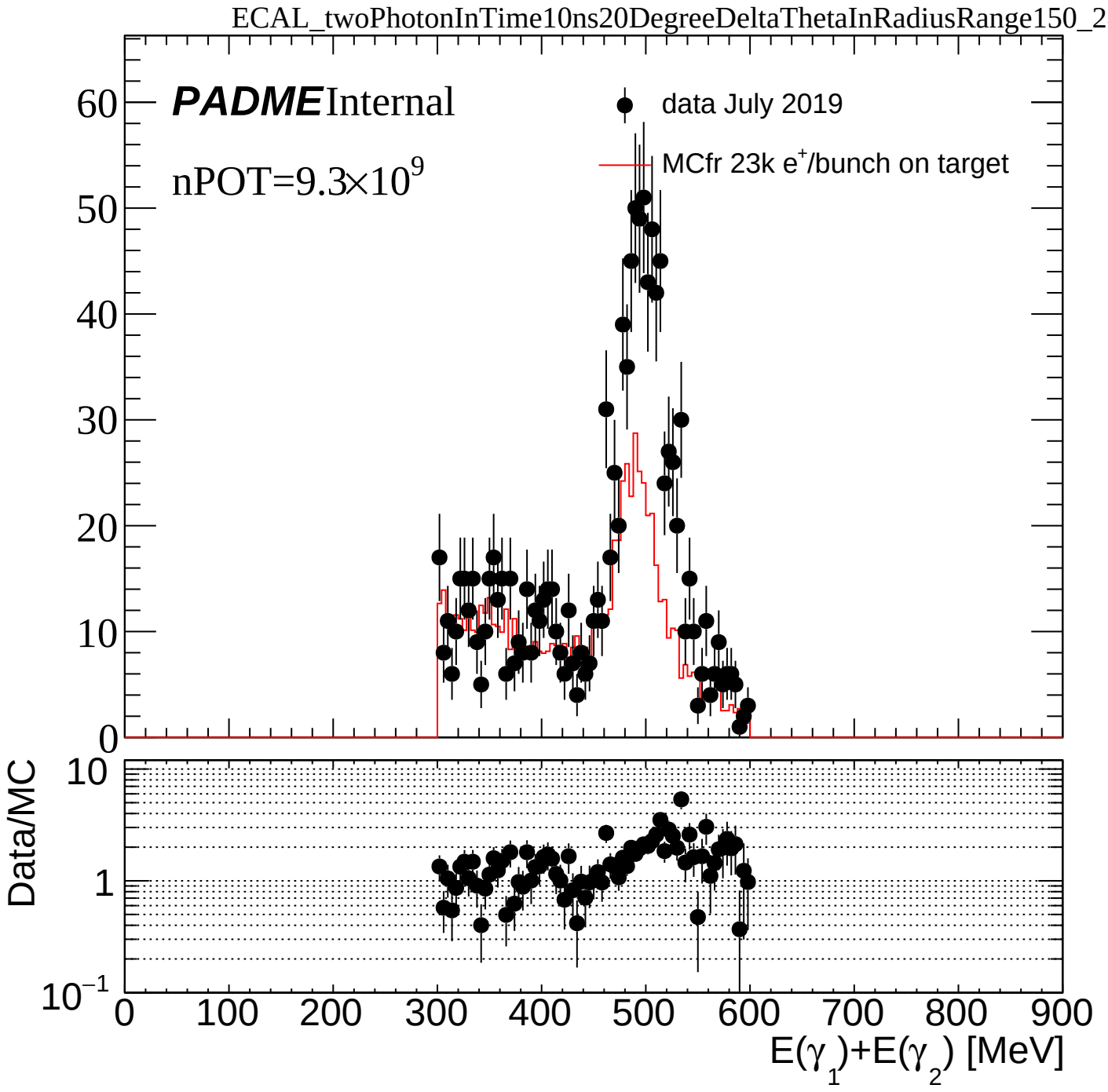

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_20
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

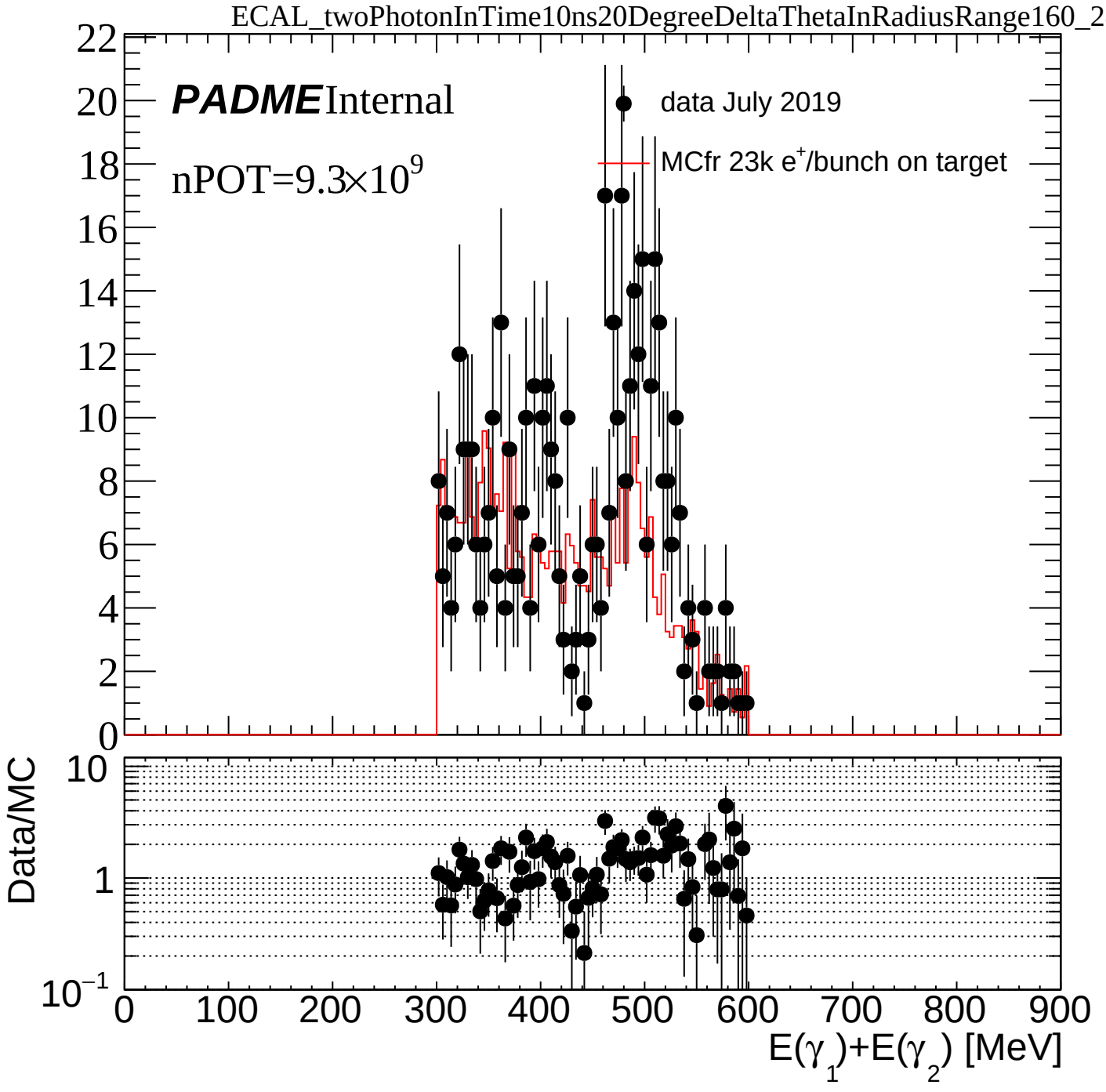

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_19
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

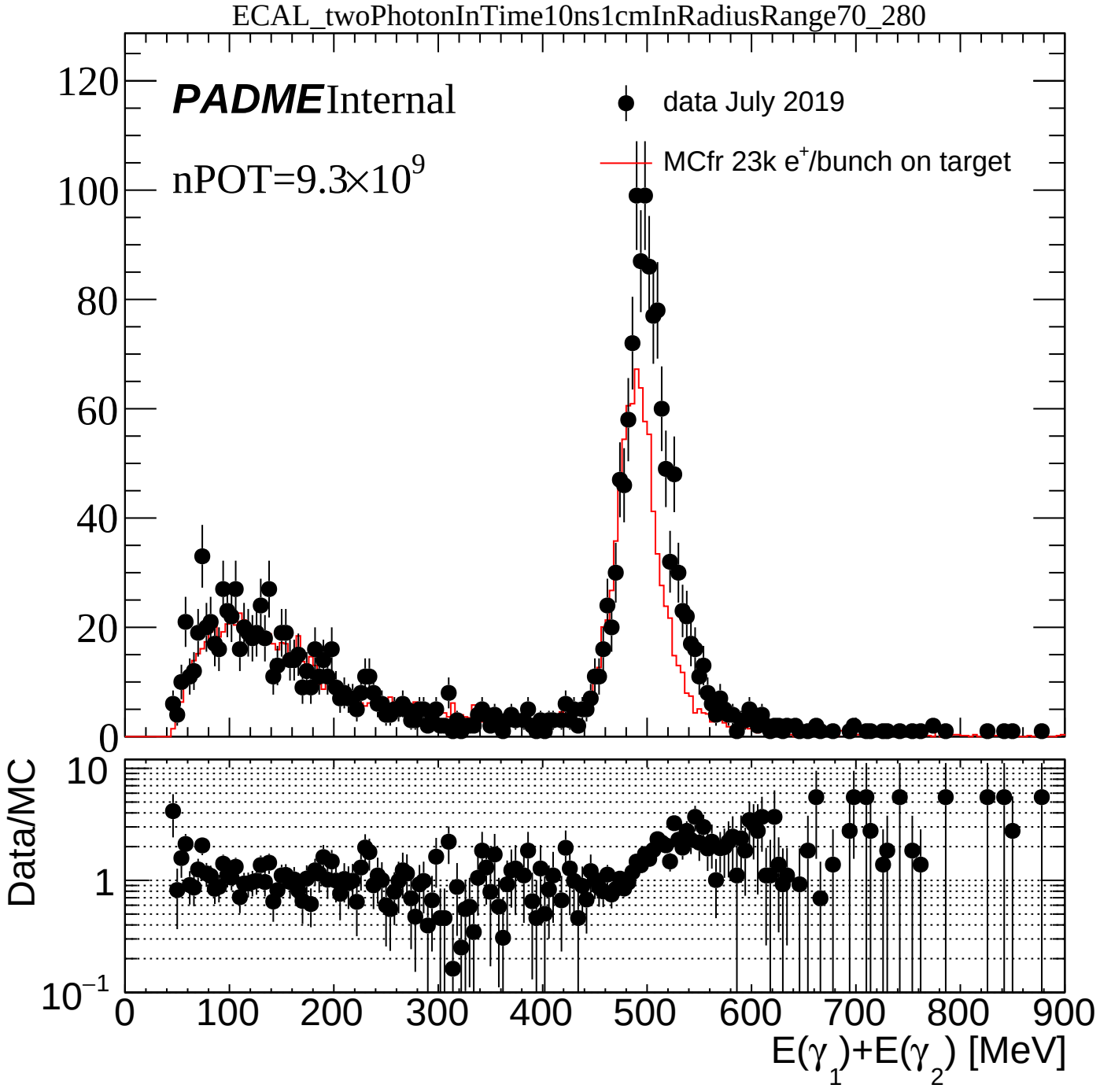

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange90_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

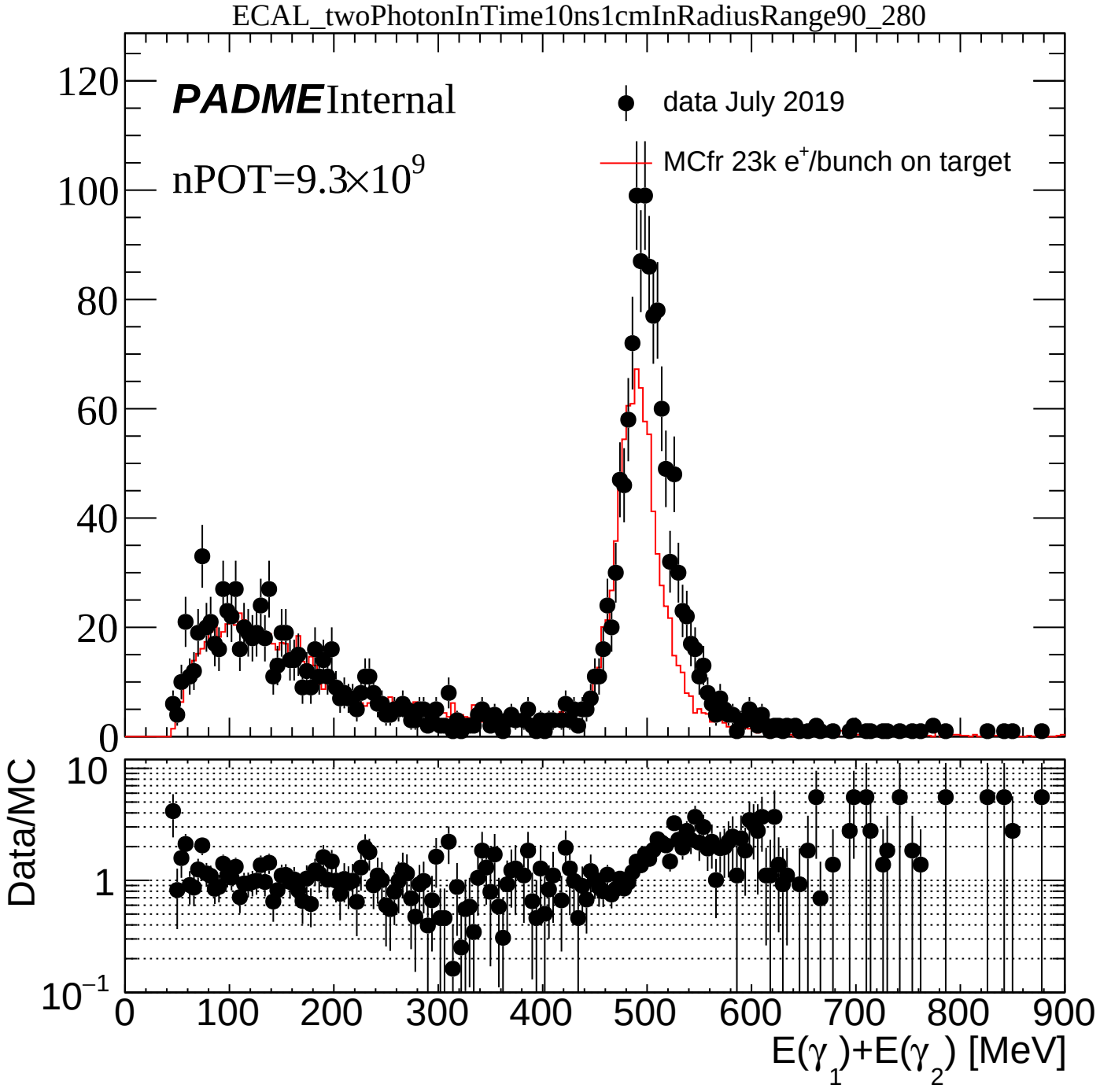

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange110_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

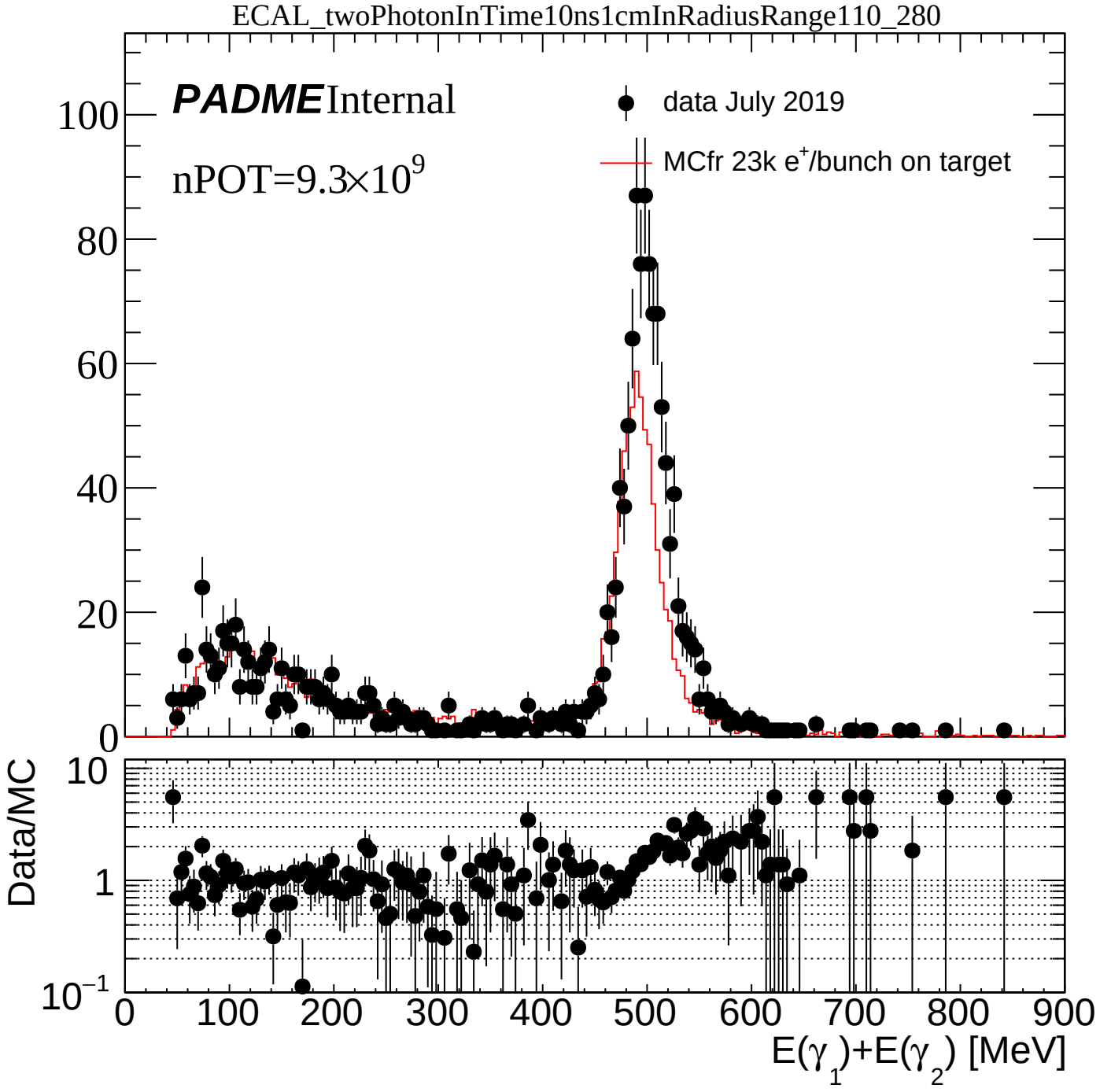

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange130_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

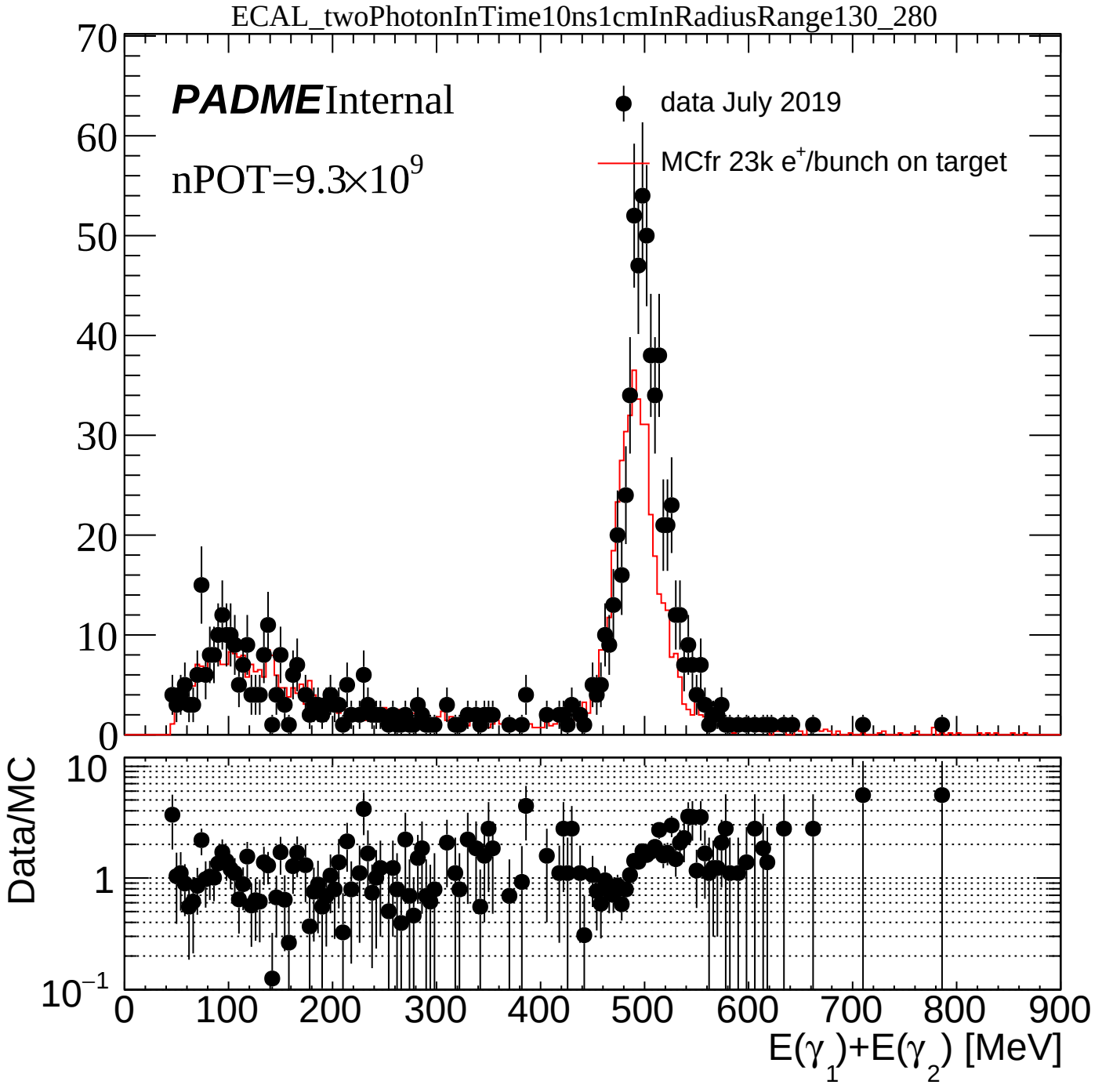

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange150_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

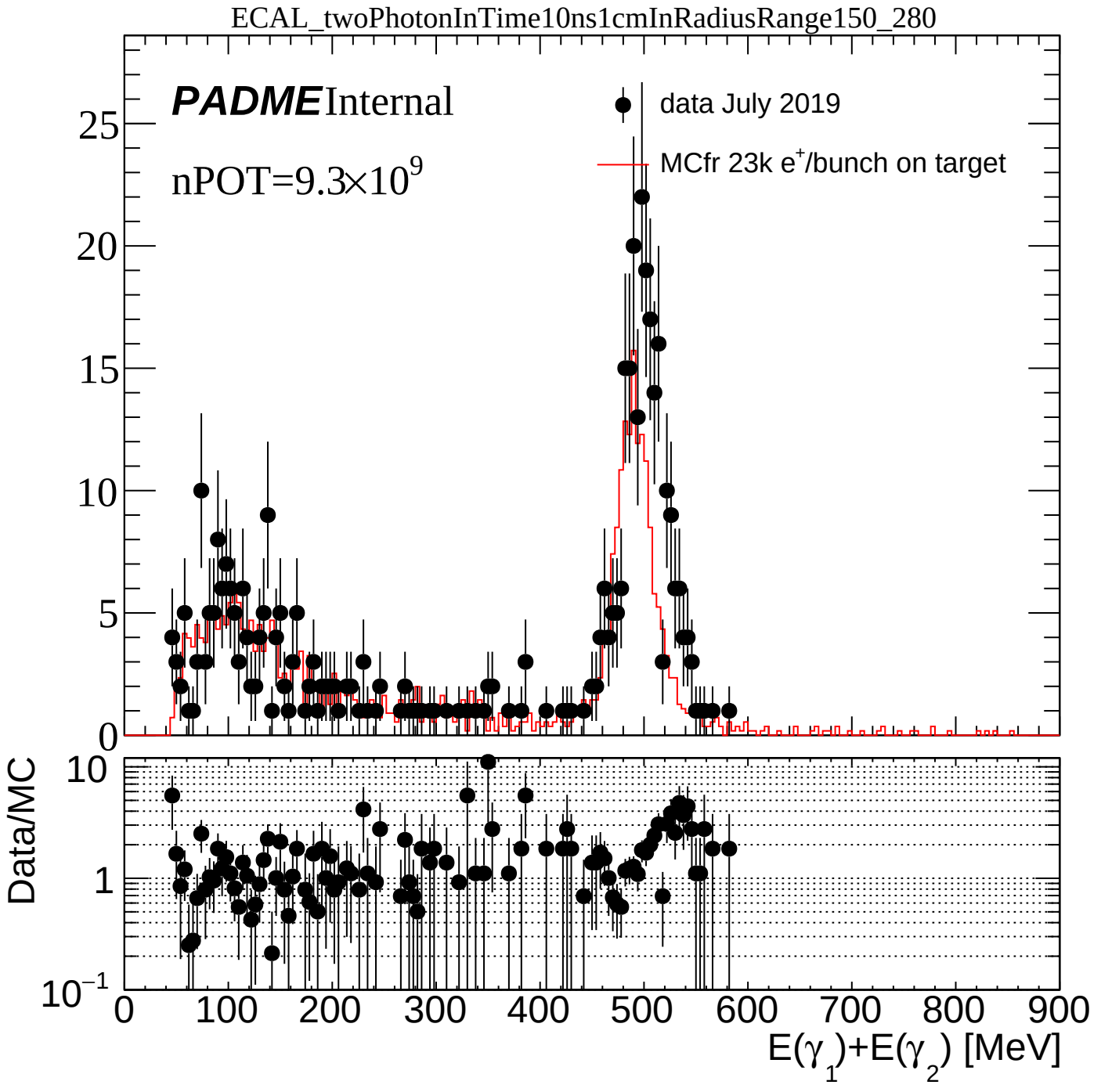

ECAL_twoPhotonInTime10ns20DegreeDeltaThetaInRadiusRange160_28
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

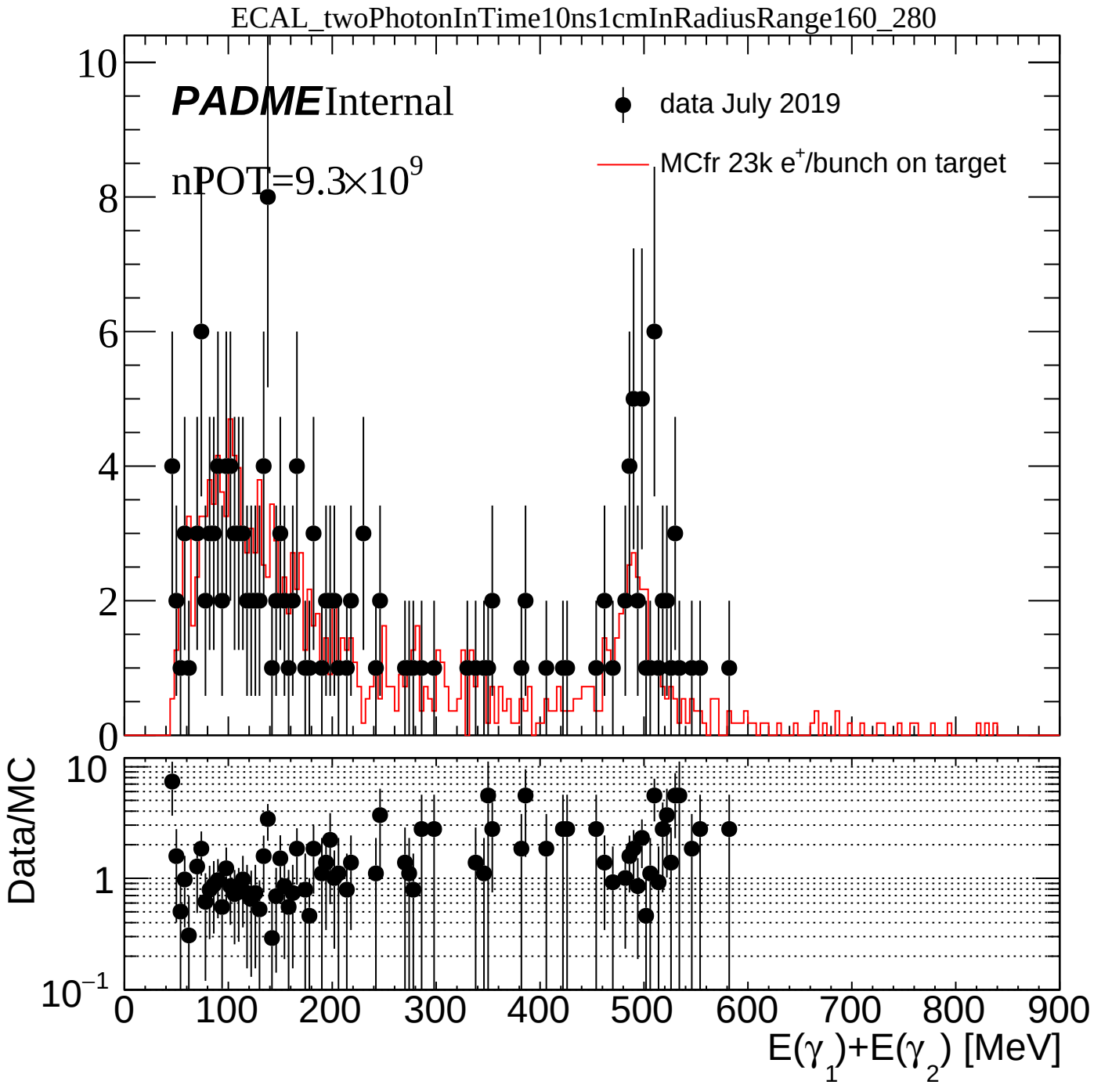

ECAL_twoPhotonInTime10ns1cmInRadiusRange70_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

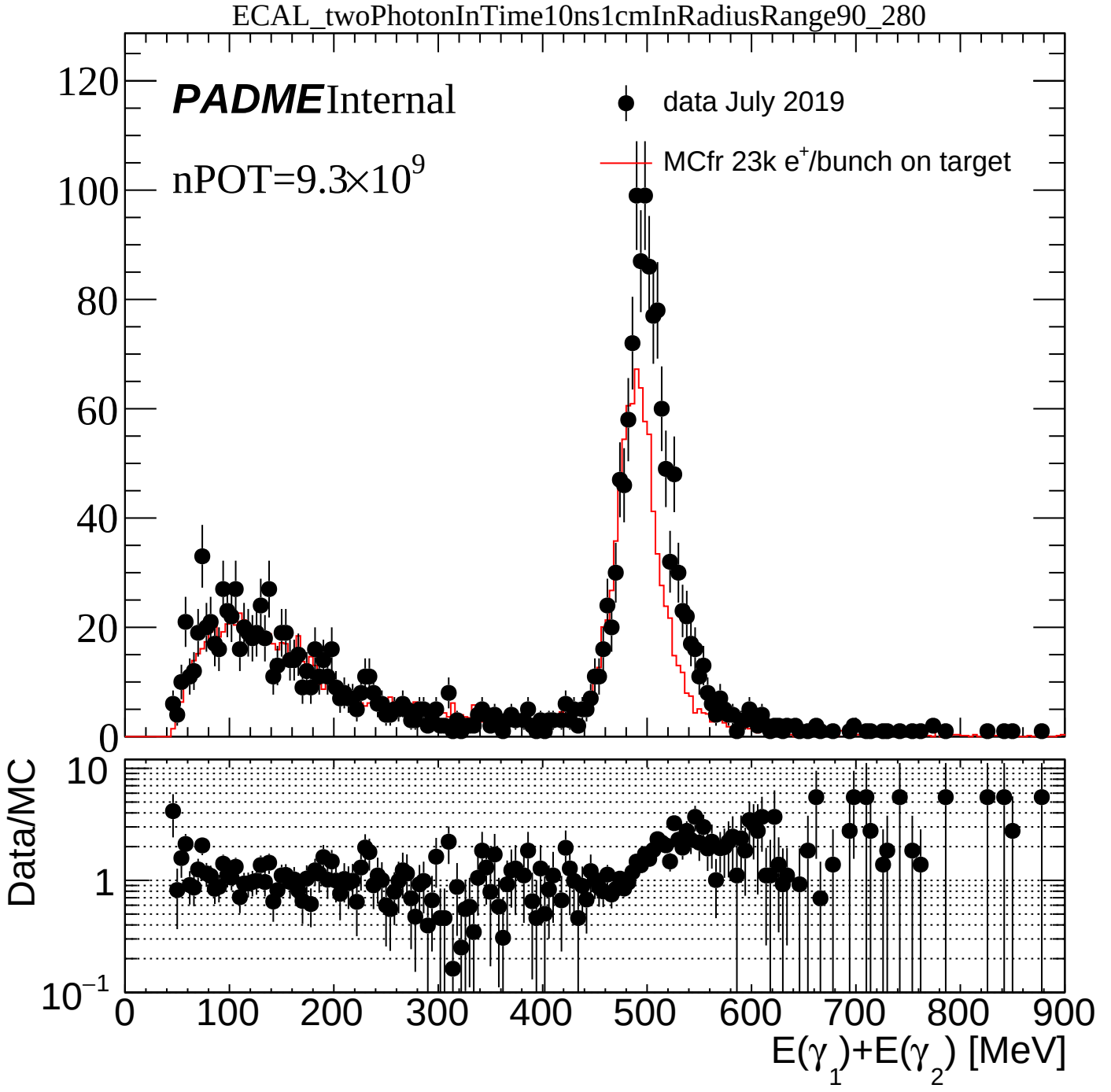

ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

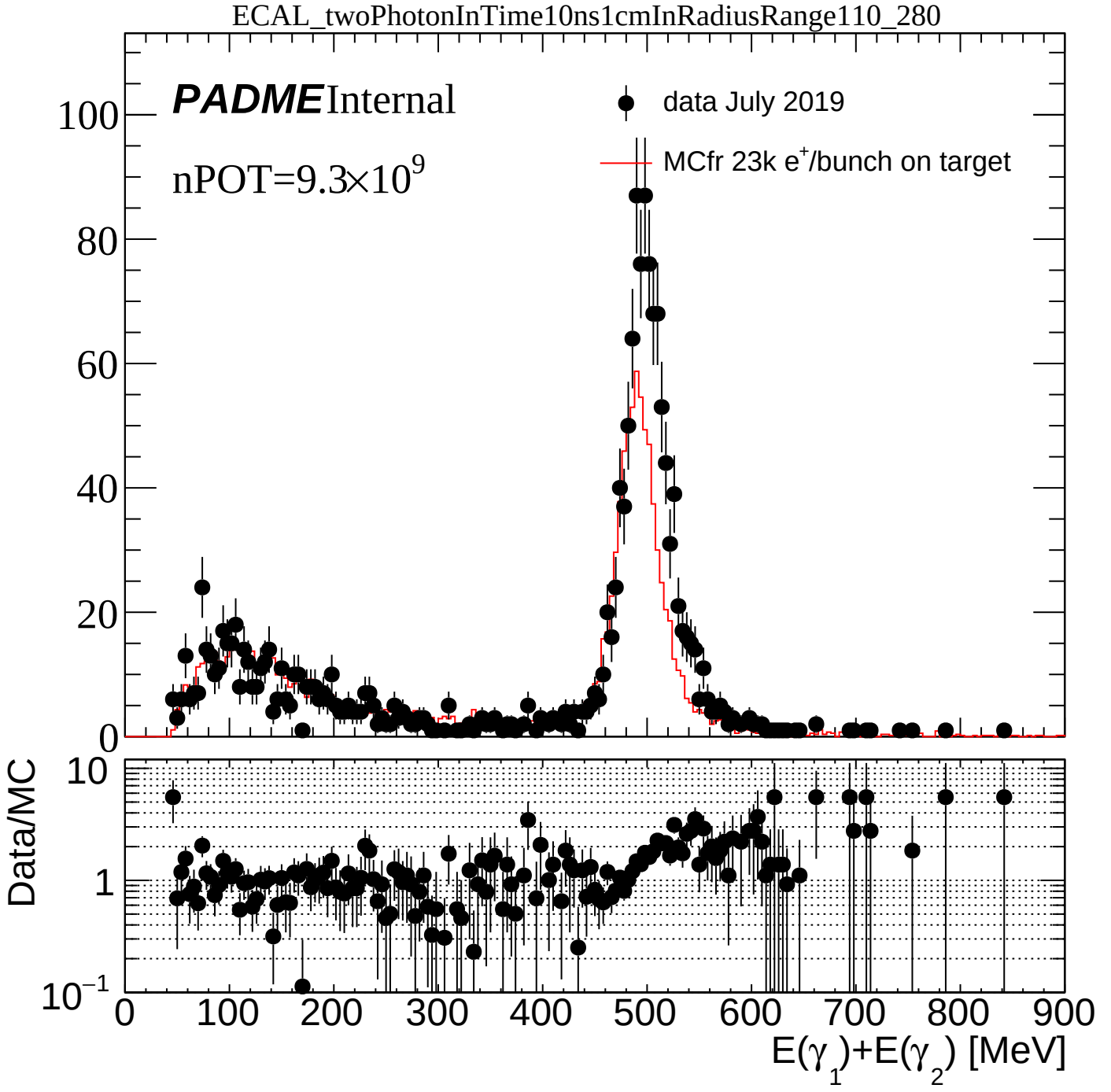

ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

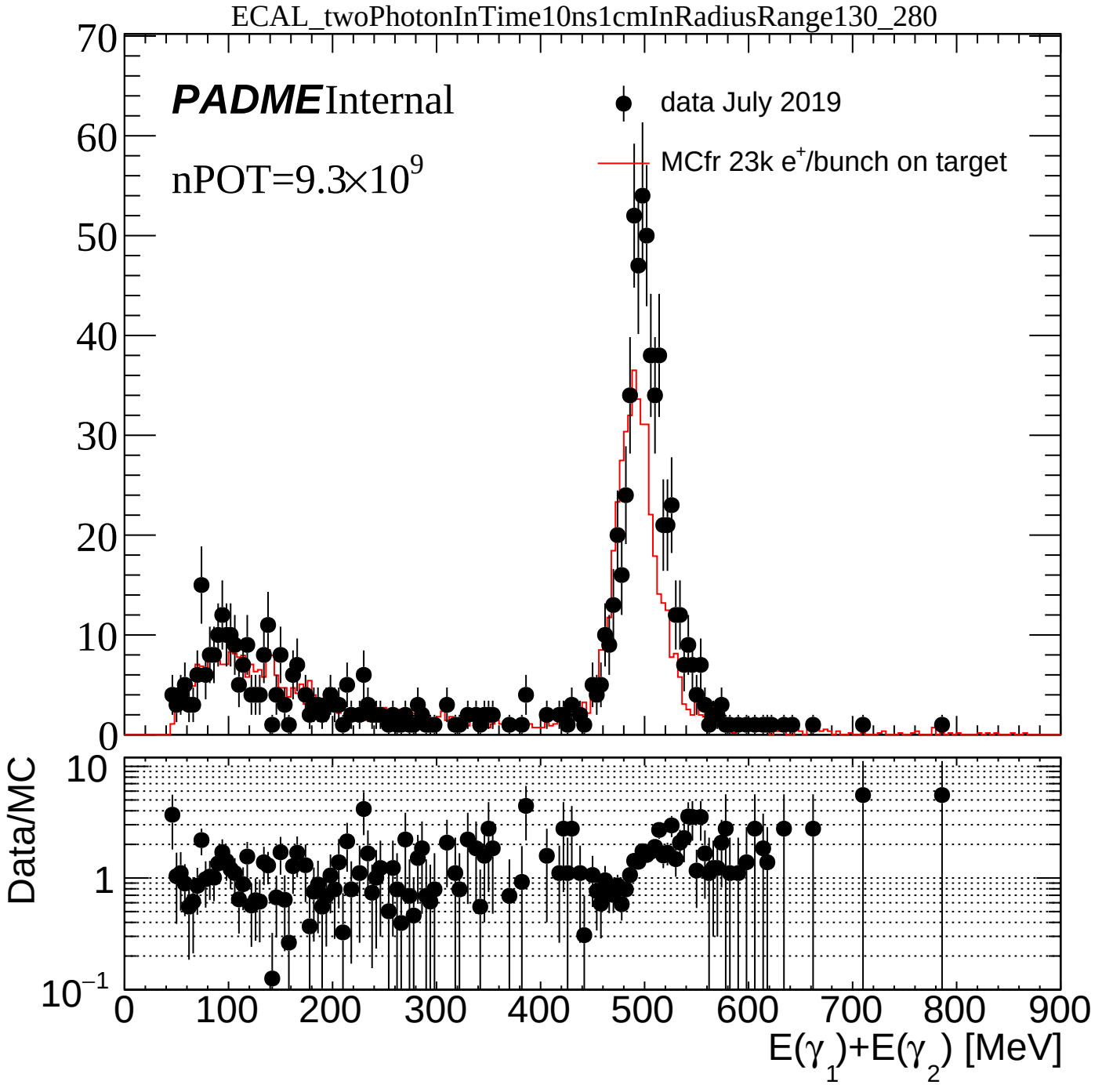

ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

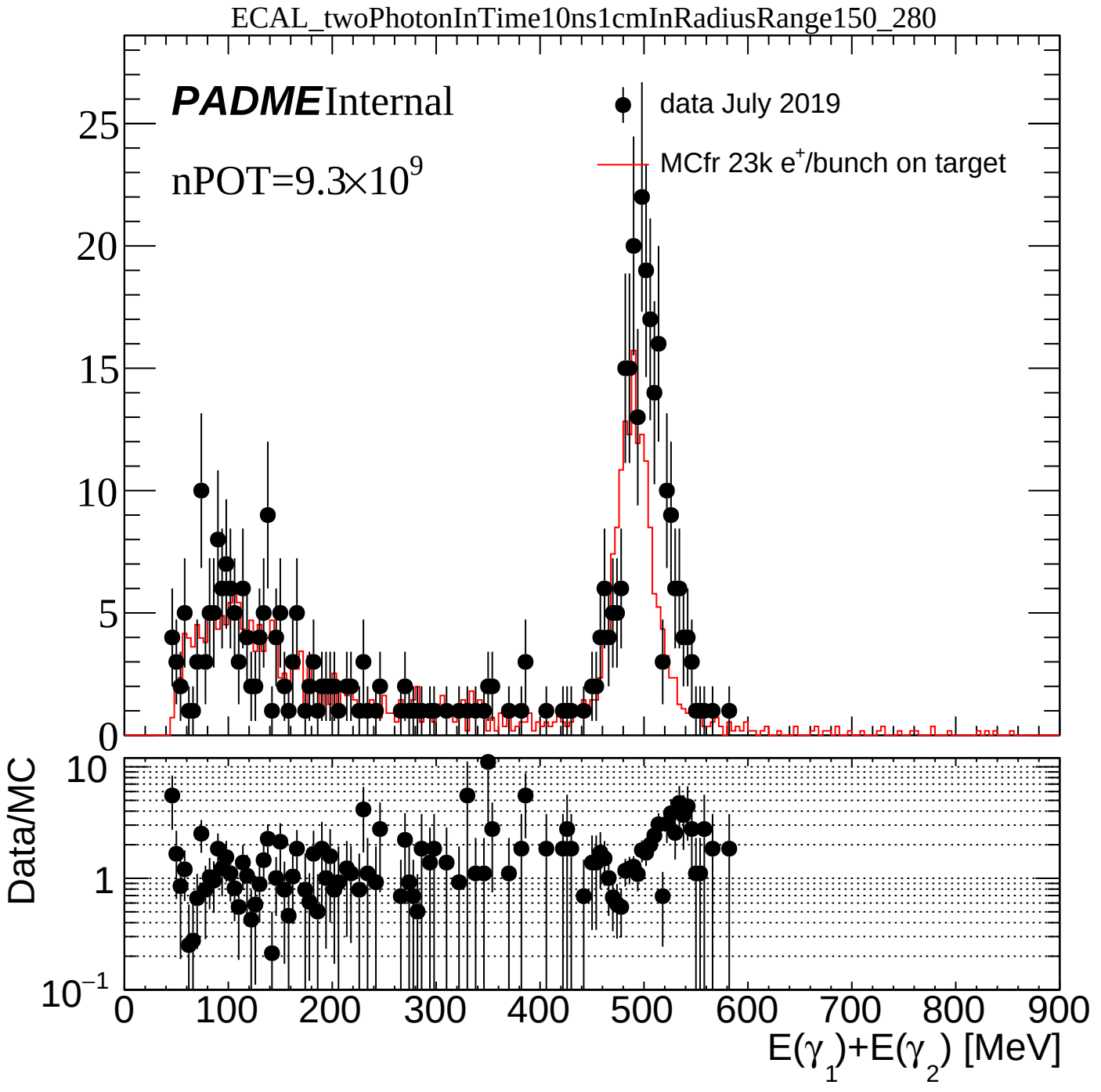

ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

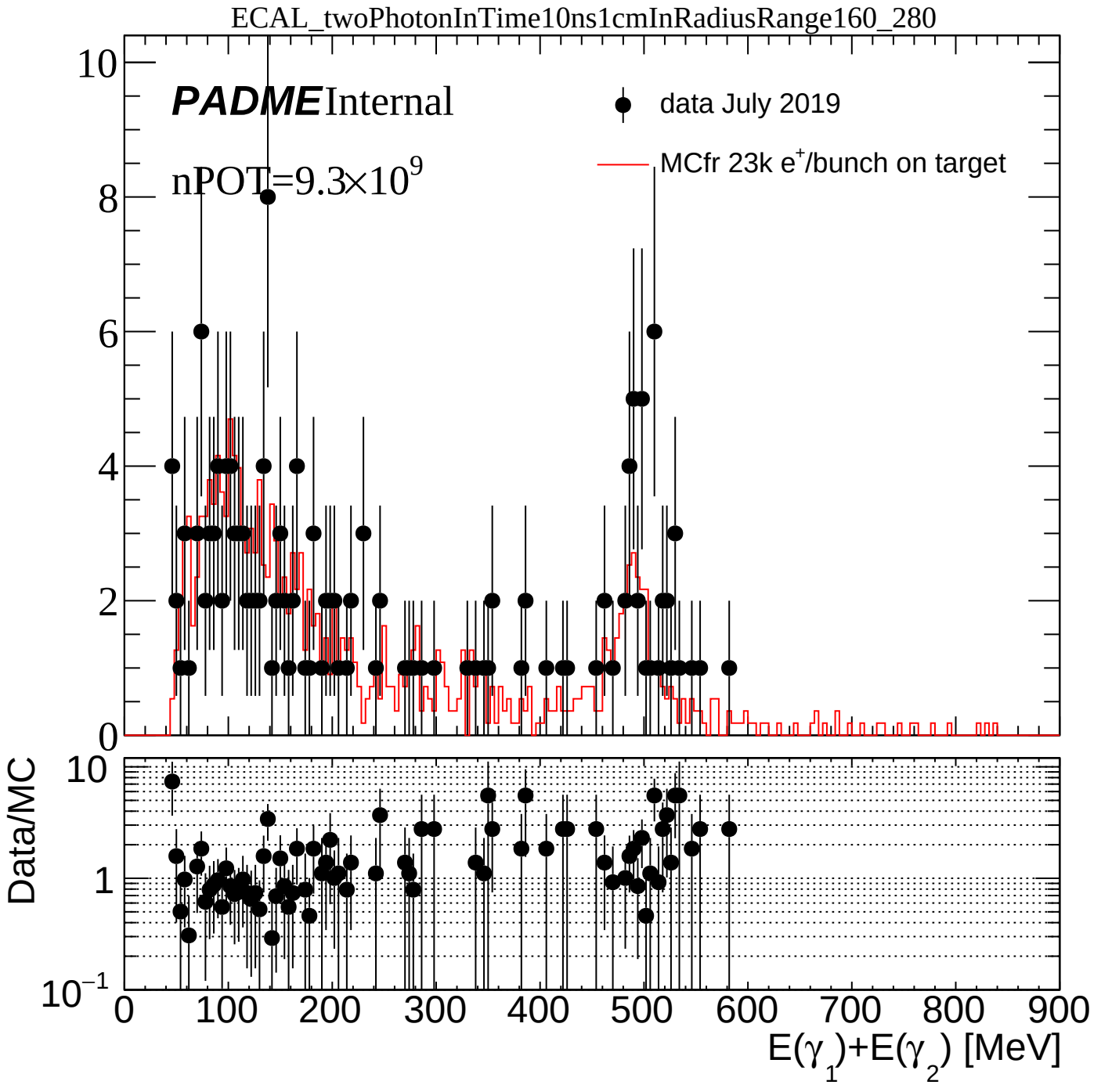

ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

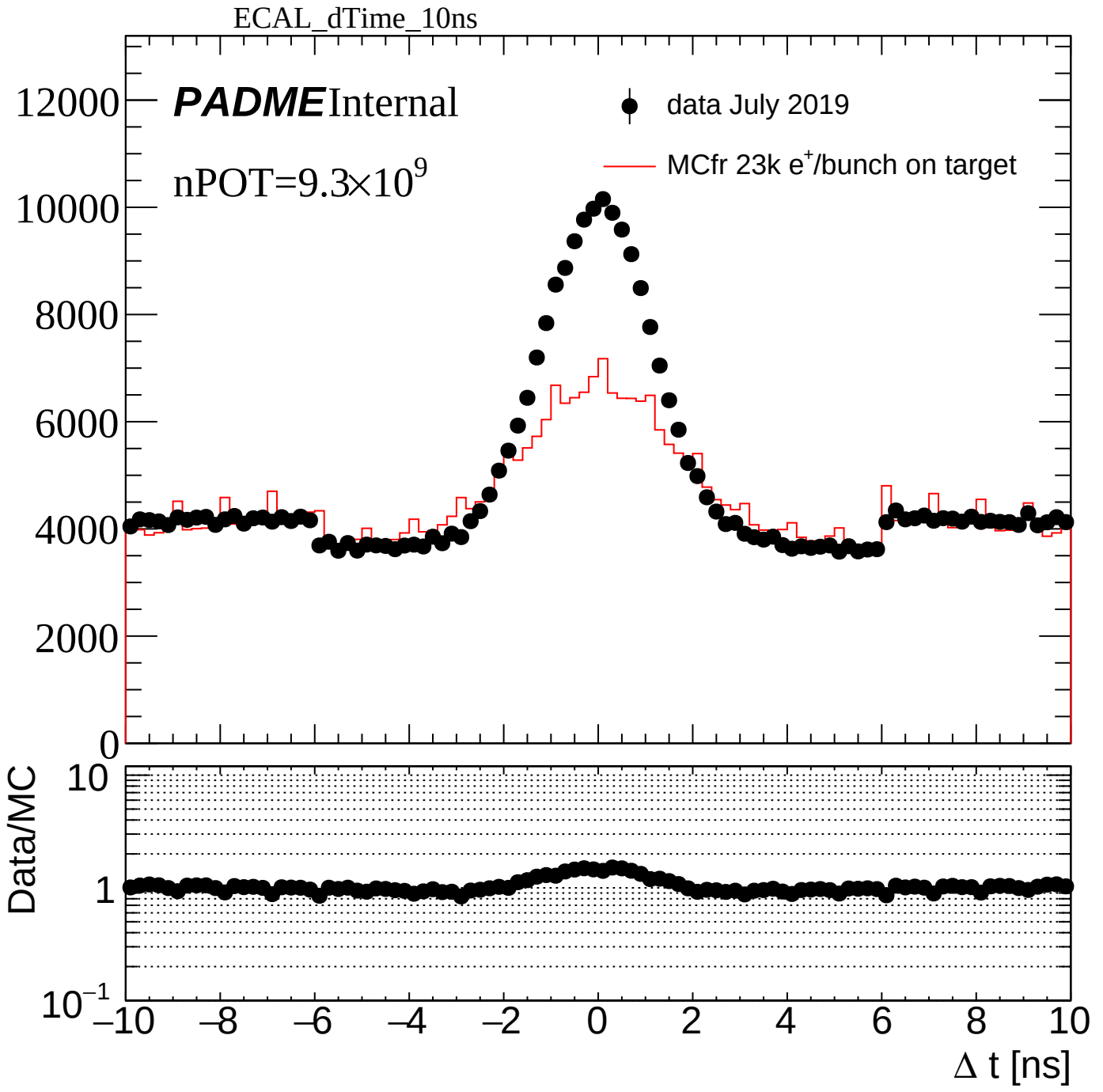

ECAL_twoPhotonInTime10ns1cmInRadiusRange90_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

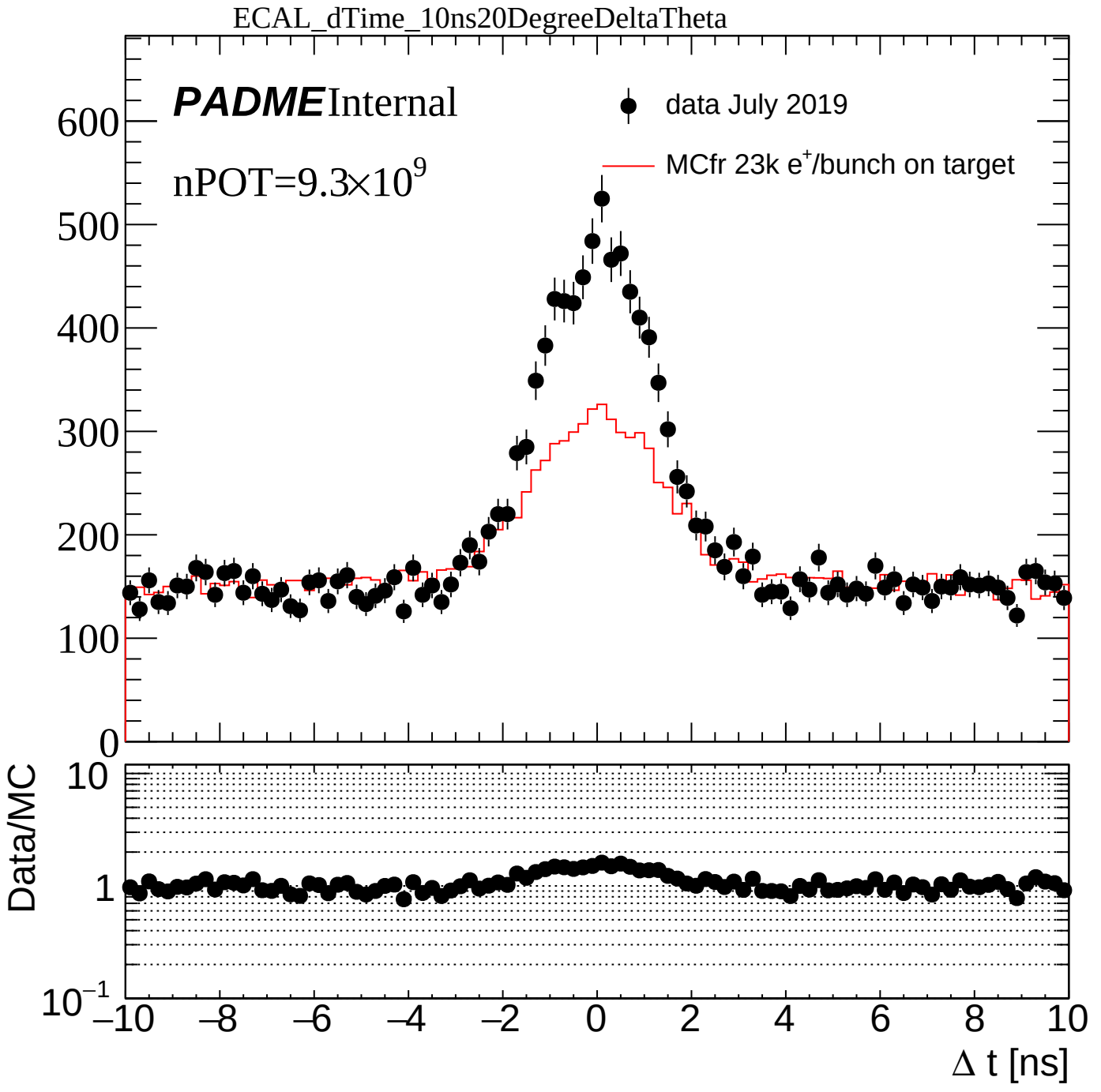

ECAL_twoPhotonInTime10ns1cmInRadiusRange110_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
100
80
60
40
20
0
Data/MC
10
1
10^−1
0
100
200
300
400
500
600
700
800
900
E(γ1)+E(γ2) [MeV]

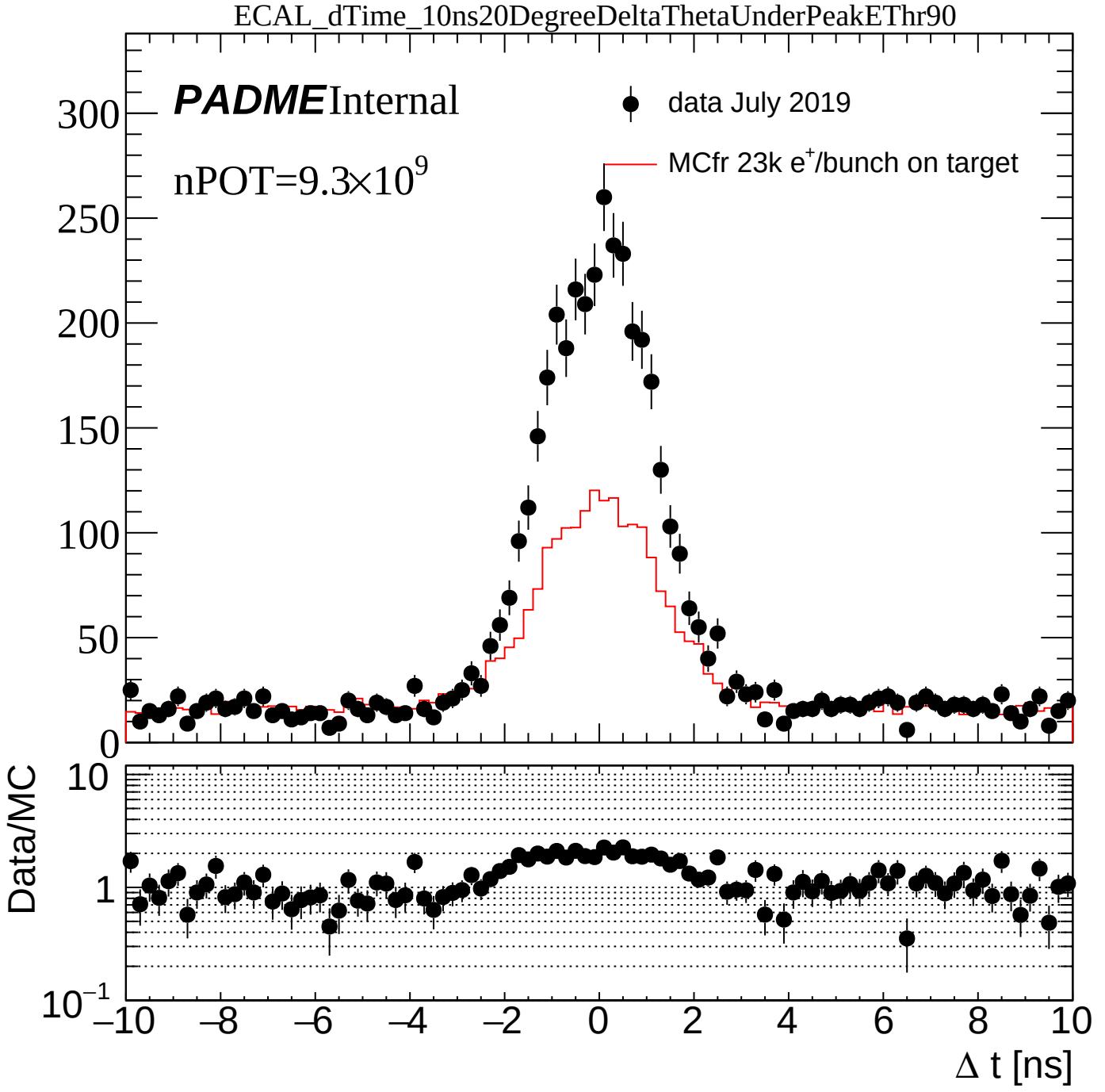

ECAL_twoPhotonInTime10ns1cmInRadiusRange130_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

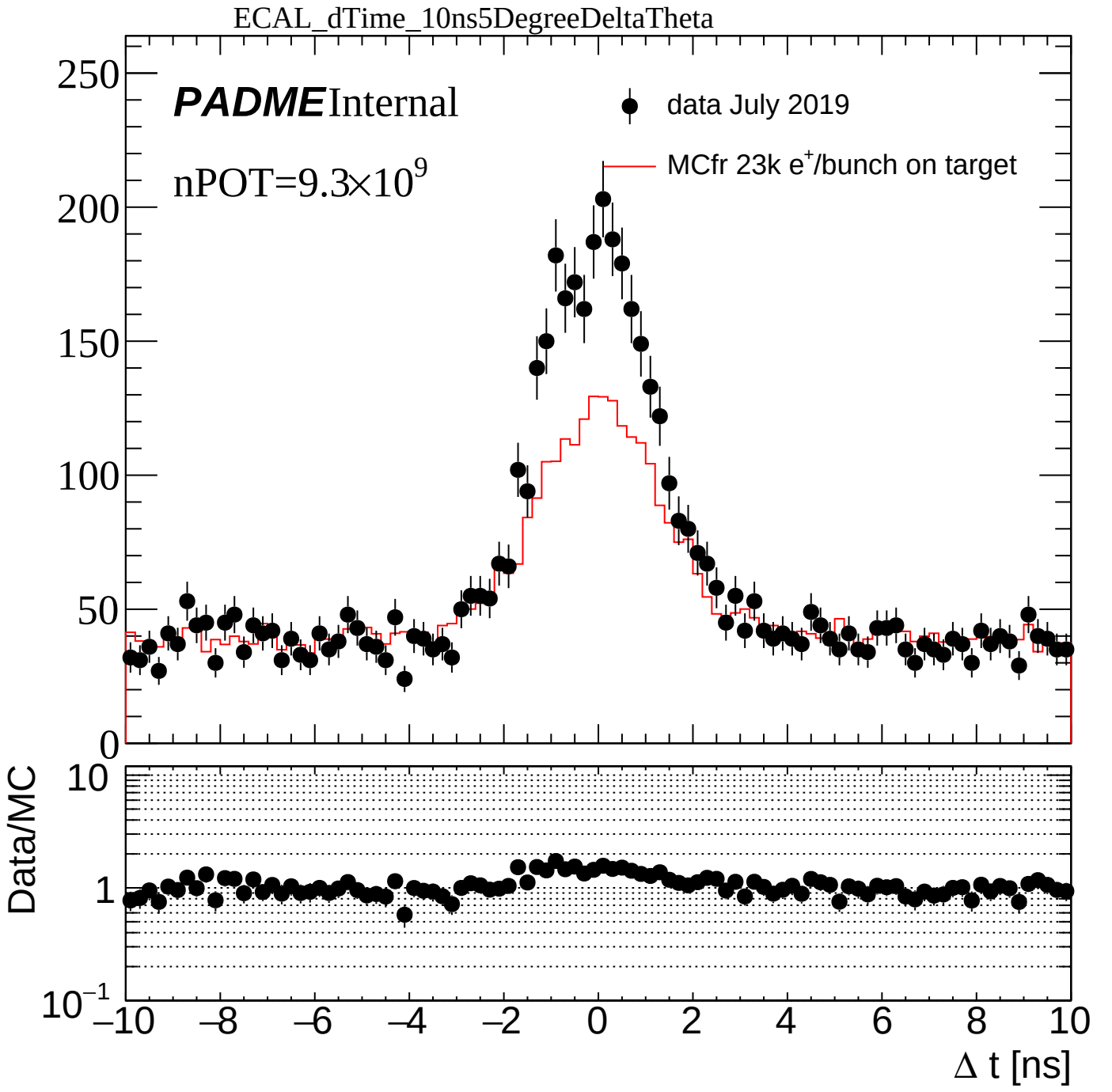

ECAL_twoPhotonInTime10ns1cmInRadiusRange150_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

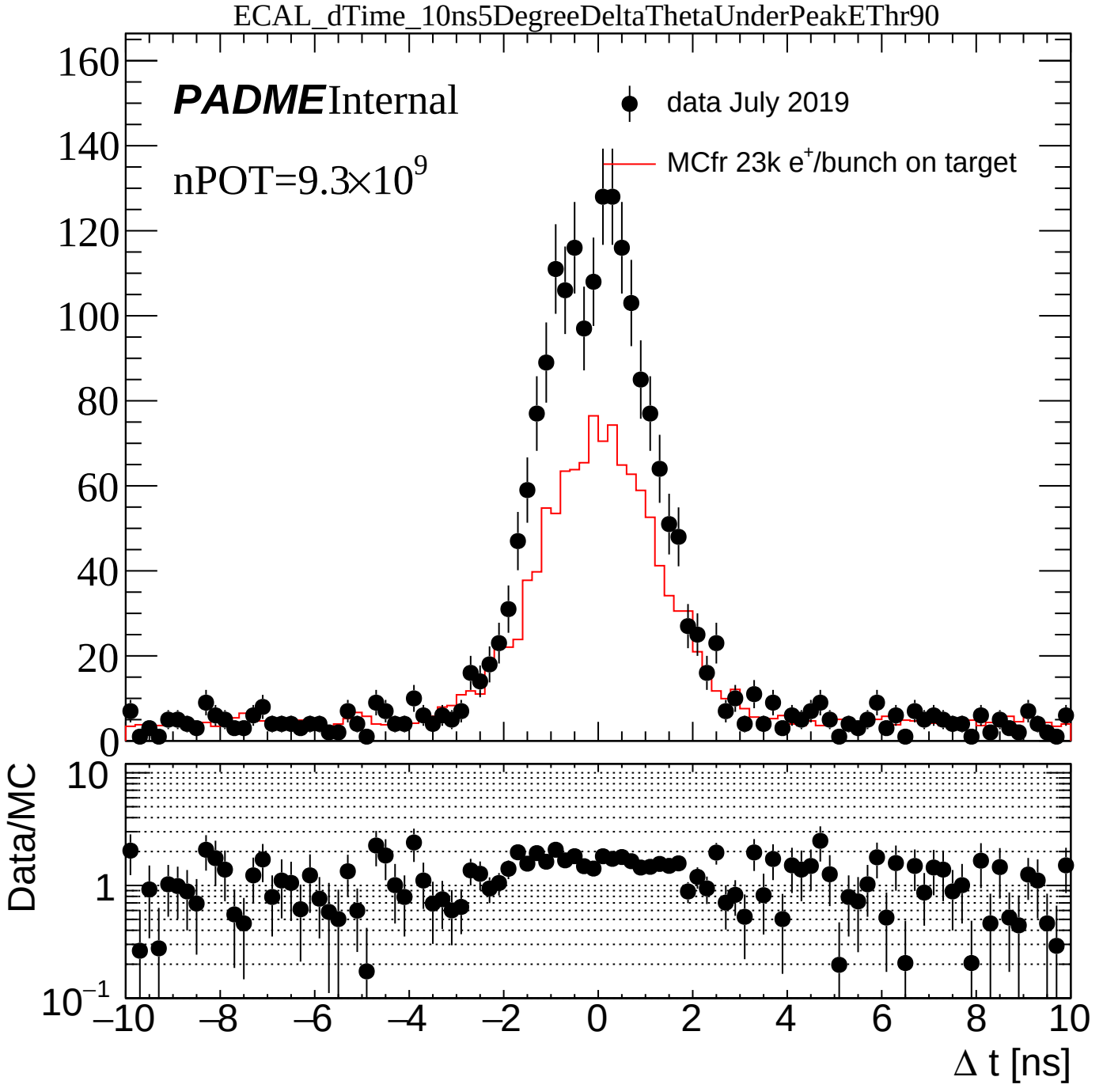

ECAL_twoPhotonInTime10ns1cmInRadiusRange160_280
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

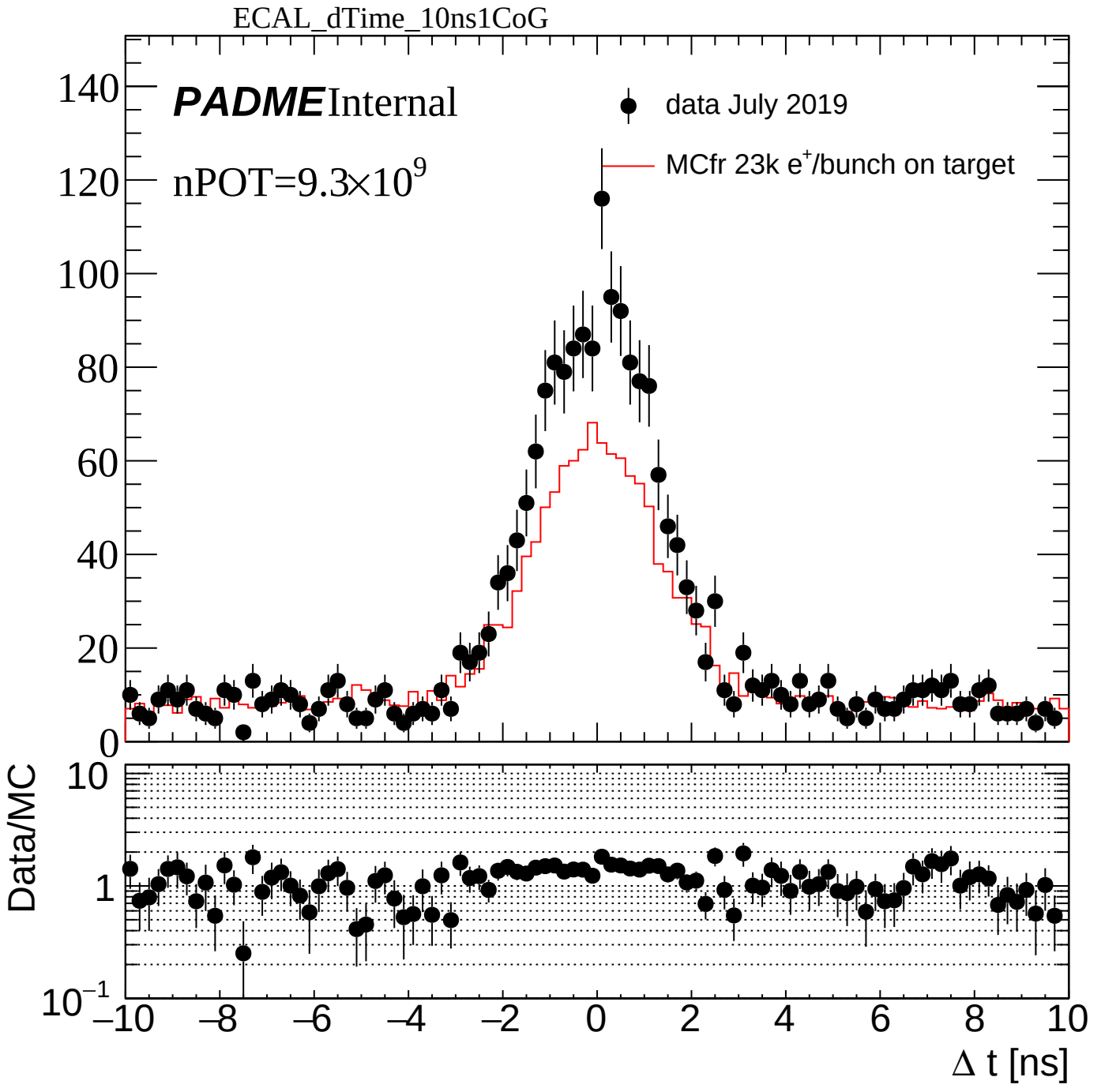

ECAL_dTime_10ns
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
12000
10000
8000
6000
4000
2000
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]

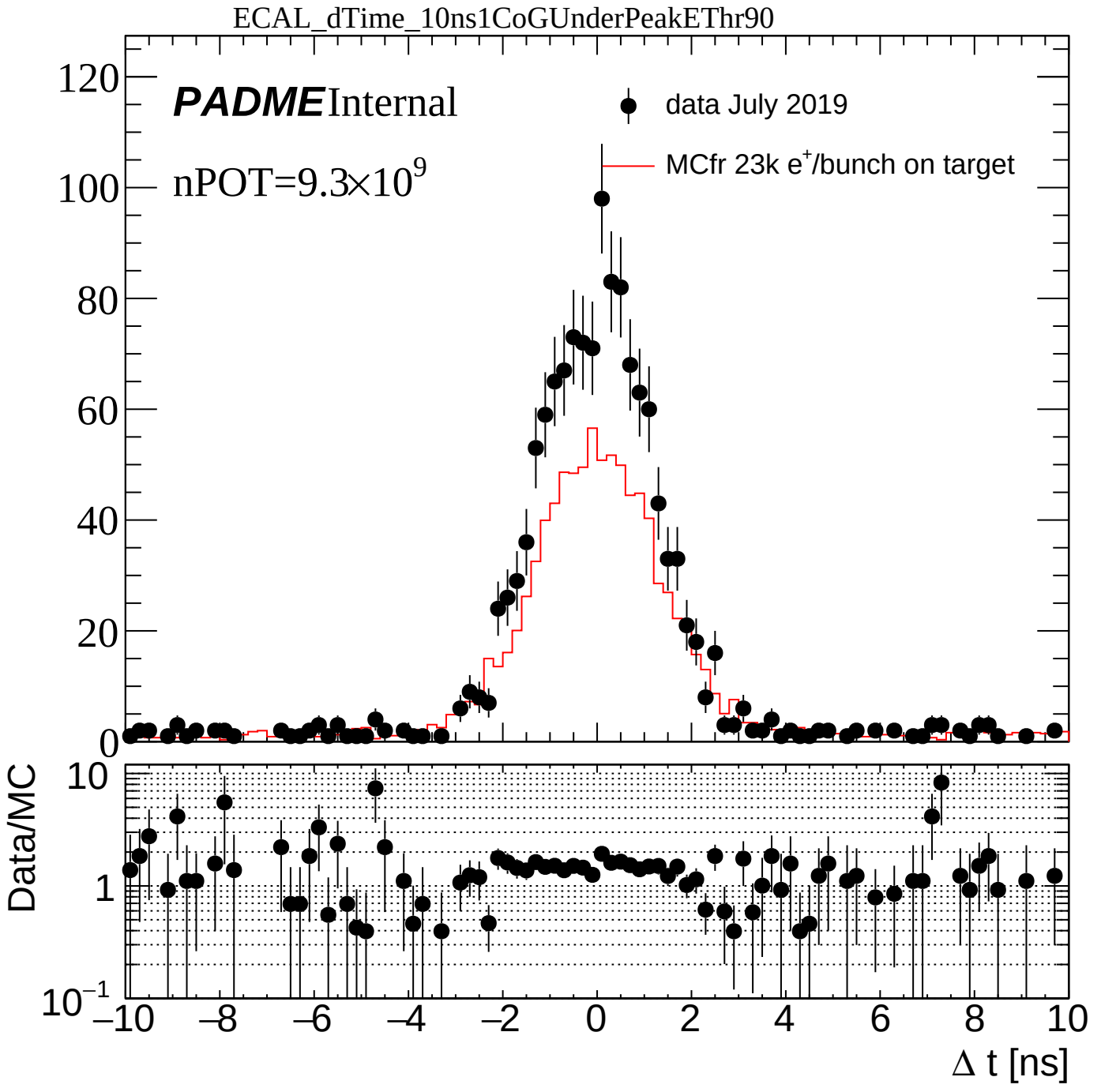

ECAL_dTime_10ns20DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
600
500
400
300
200
100
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]

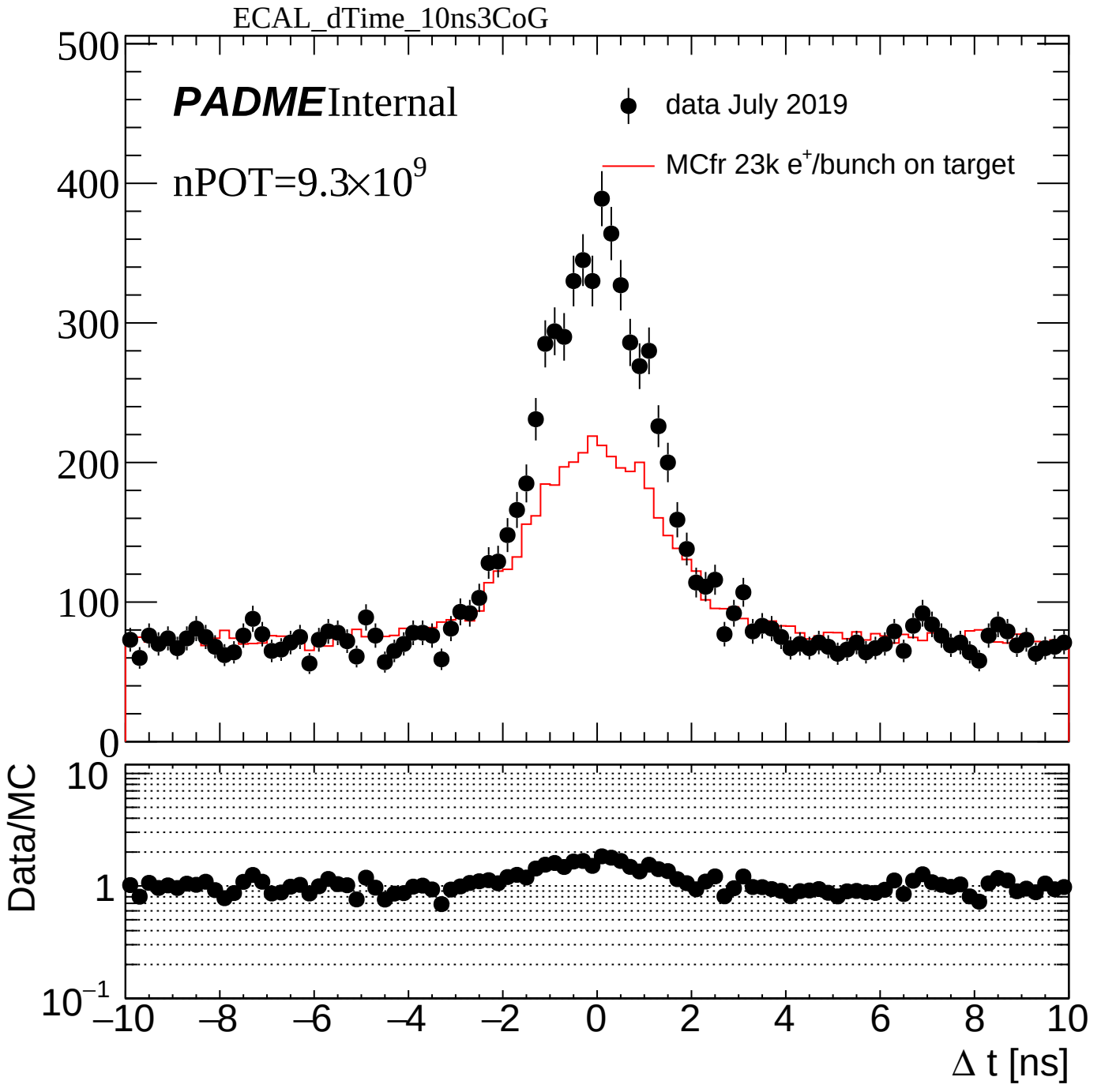

ECAL_dTime_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]

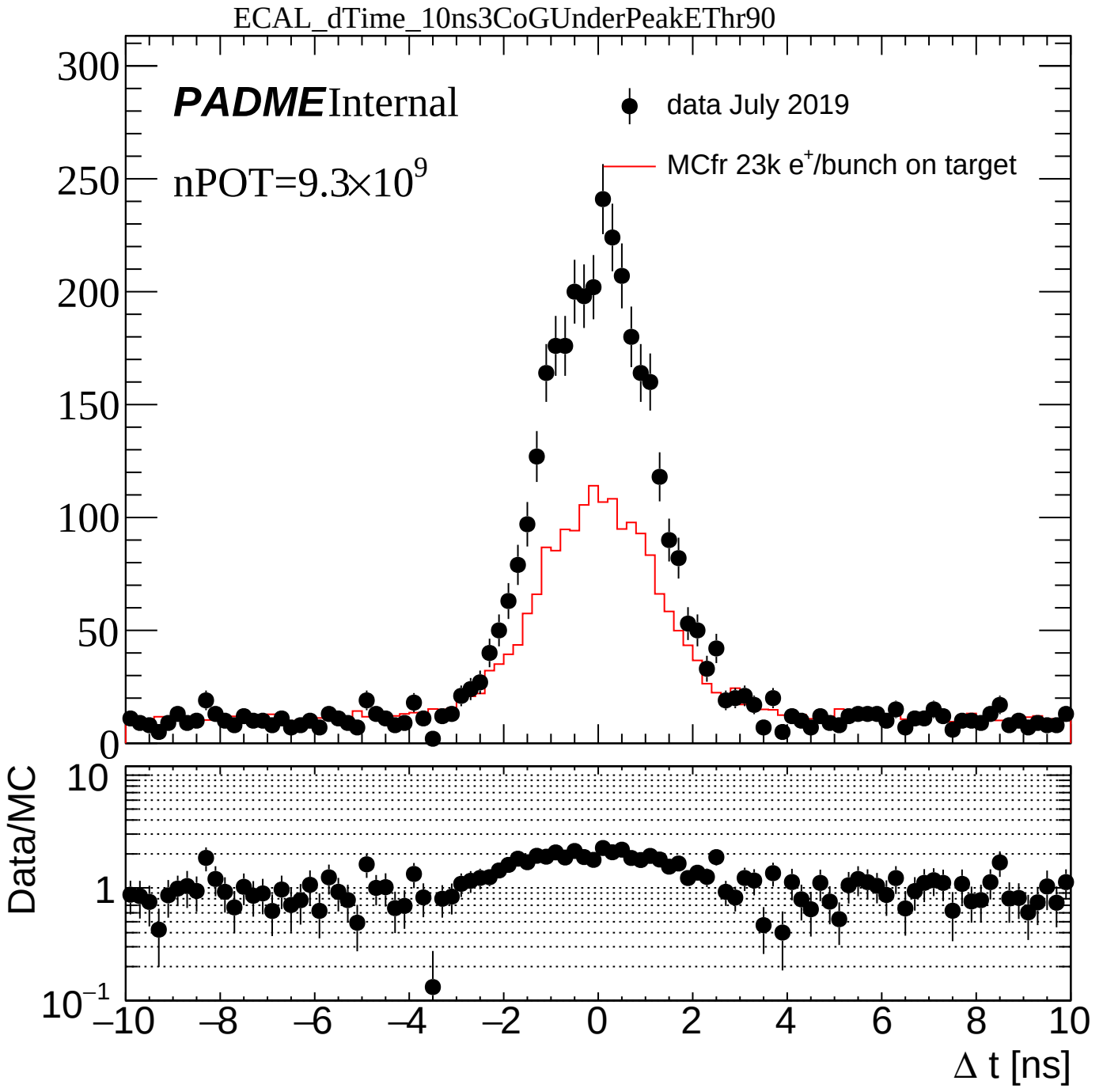

ECAL_dTime_10ns5DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
100
50
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]

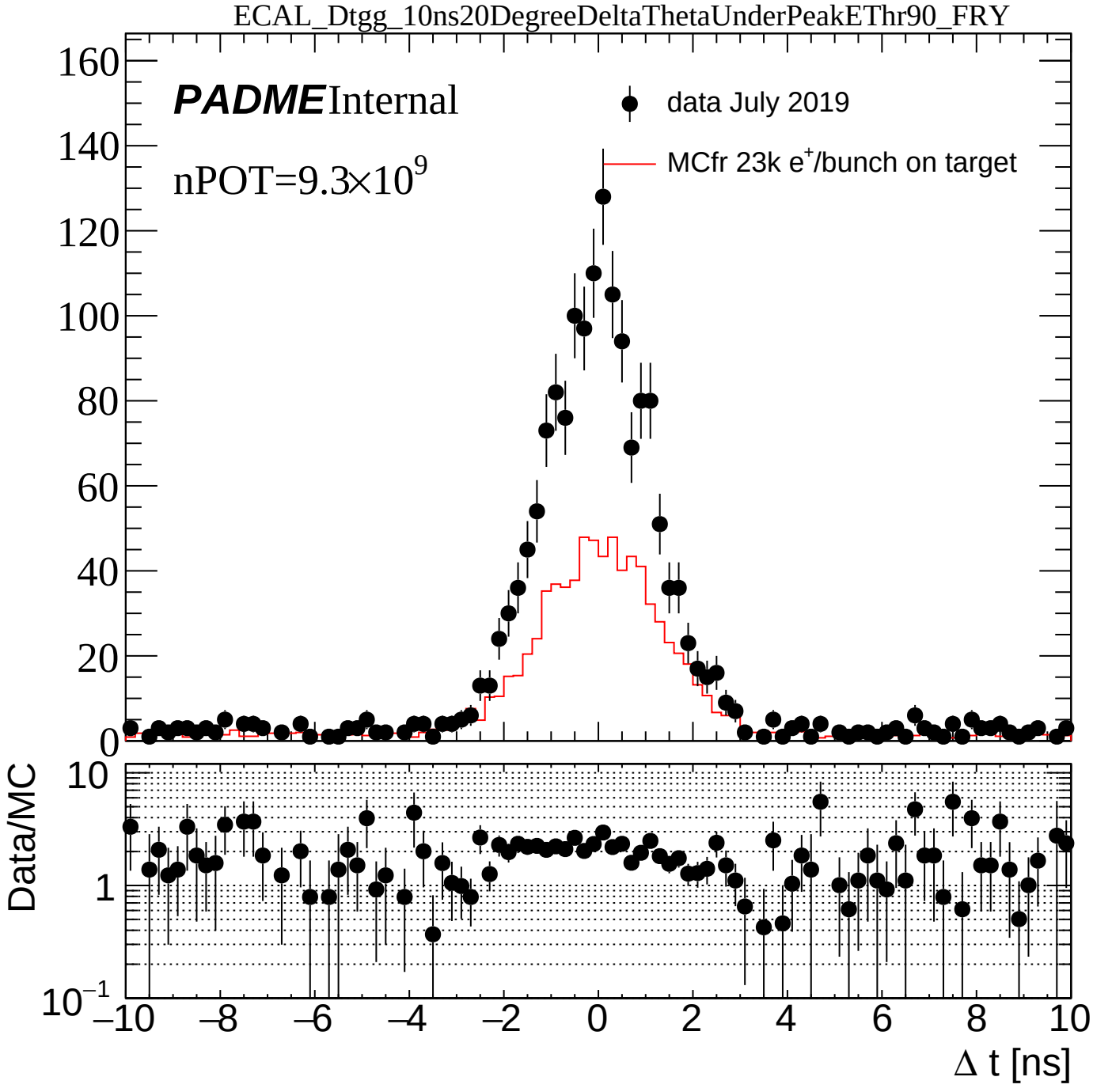

ECAL_dTime_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]

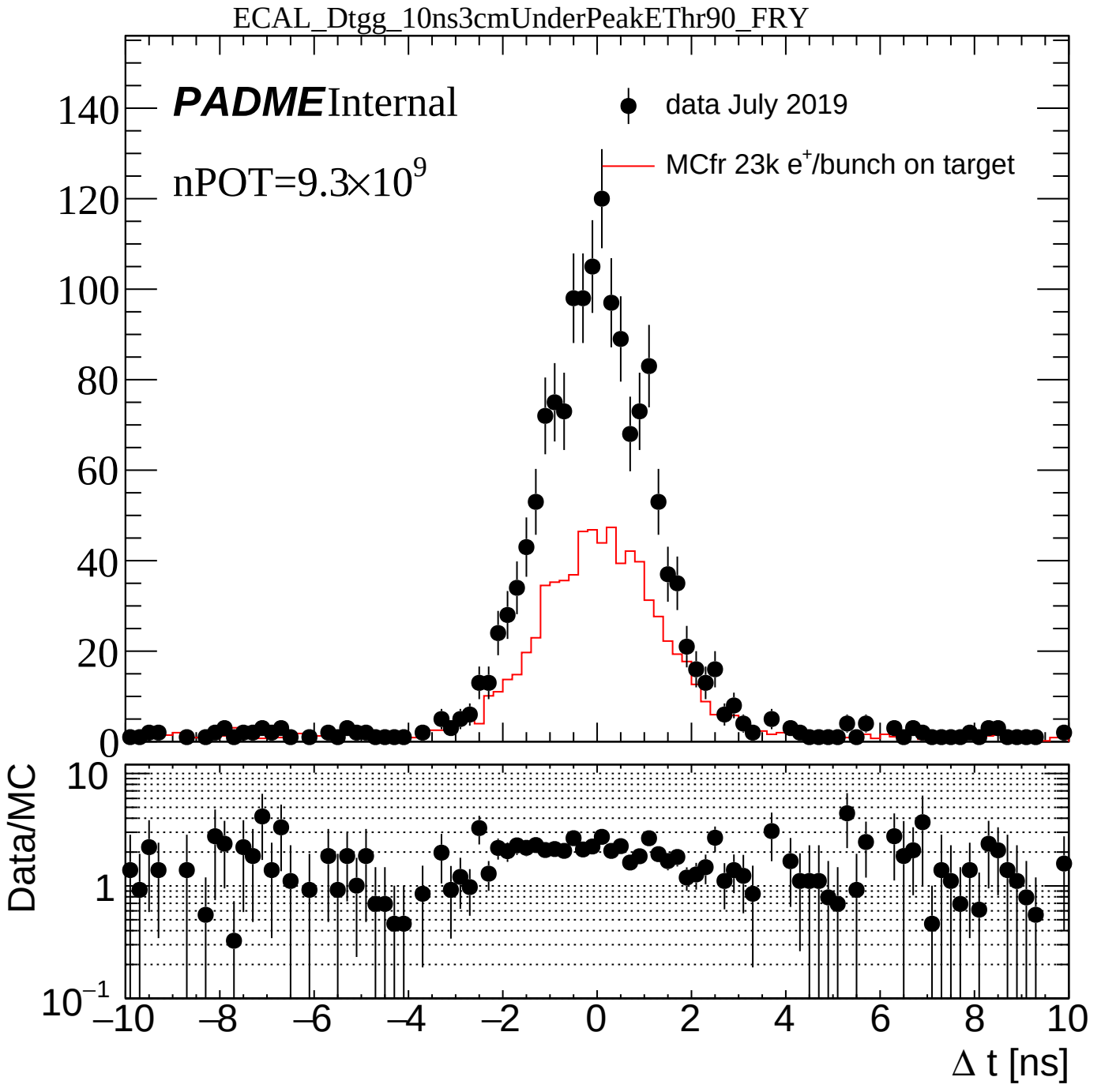

ECAL_dTime_10ns1CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Δ t [ns]


ECAL_dTime_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]


ECAL_dTime_10ns3CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
500
400
300
200
100
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]


ECAL_dTime_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
–10
–8
–6
–4
–2
0
2
4
6
8
10
Δ t [ns]


ECAL_Dtgg_10ns20DegreeDeltaThetaUnderPeakEThr90_FRY
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Δ t [ns]


ECAL_Dtgg_10ns3cmUnderPeakEThr90_FRY
PADME Internal
nPOT=9.3×10^9
data July 2019
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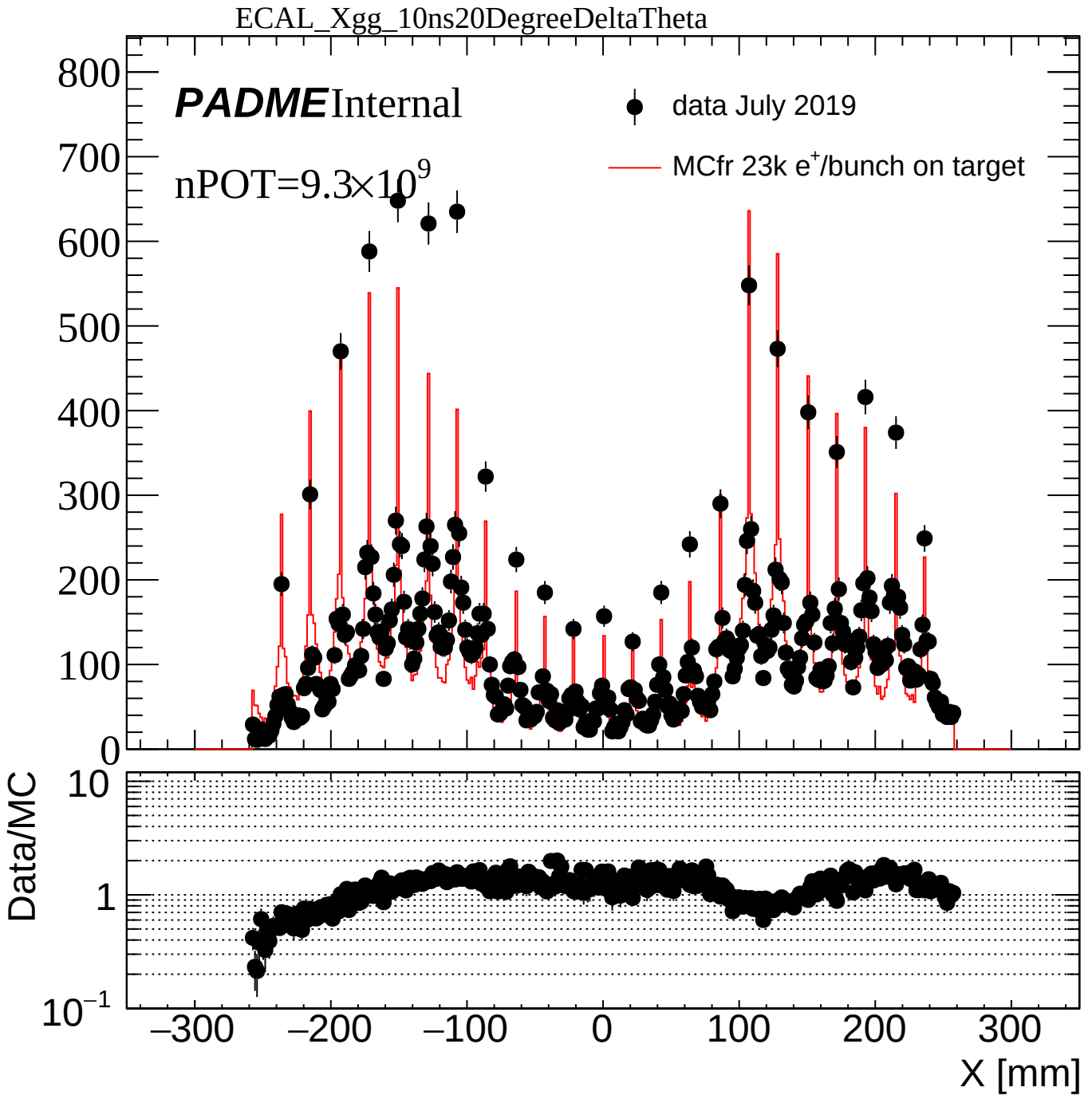
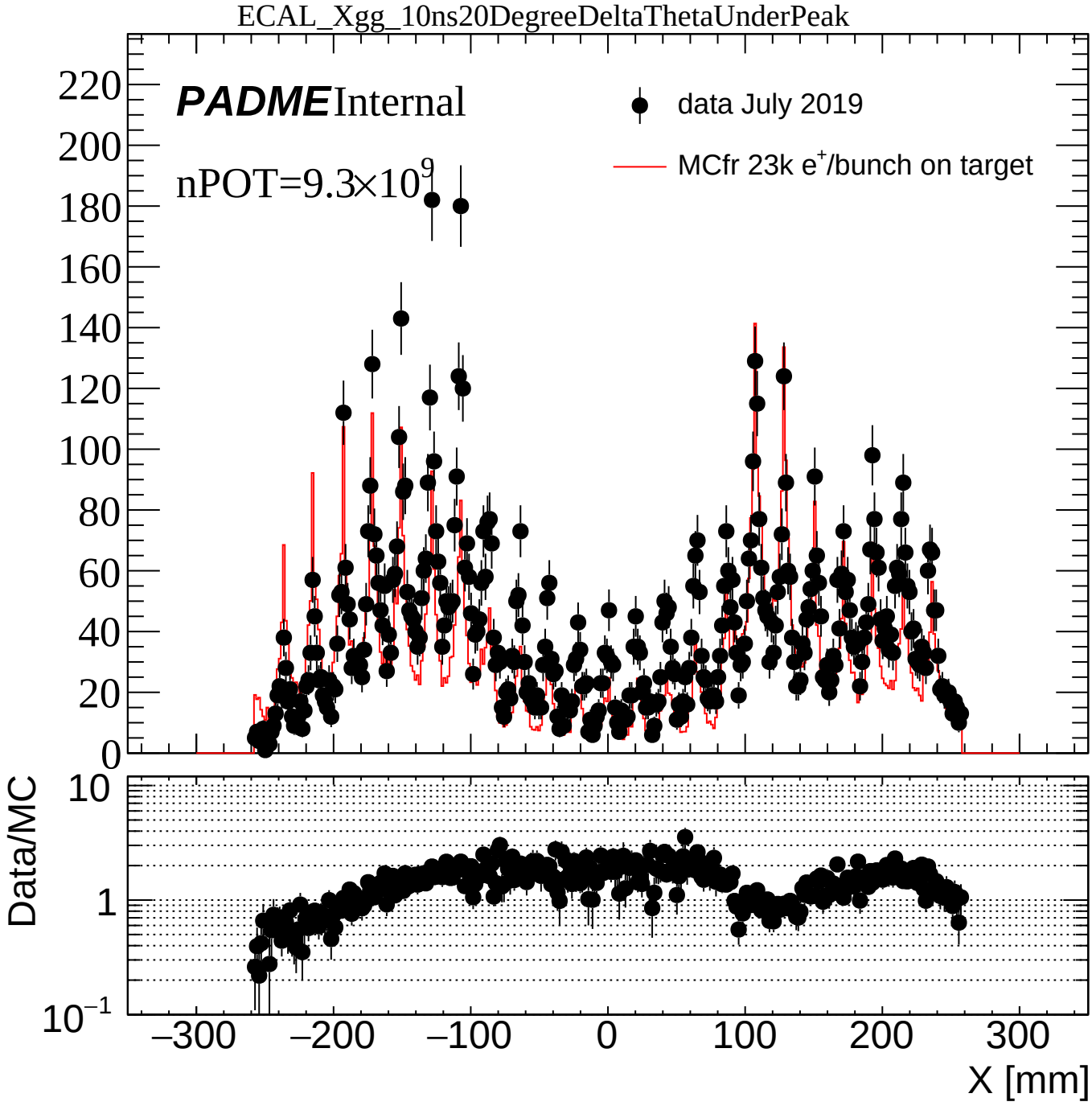
Data/MC
Δ t [ns]


ECAL_Xgg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
800
700
600
500
400
300
200
100
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
220
200
180
160
140
120
100
80
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40
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0
Data/MC
10
1
10^−1
–300
–200
–100
0
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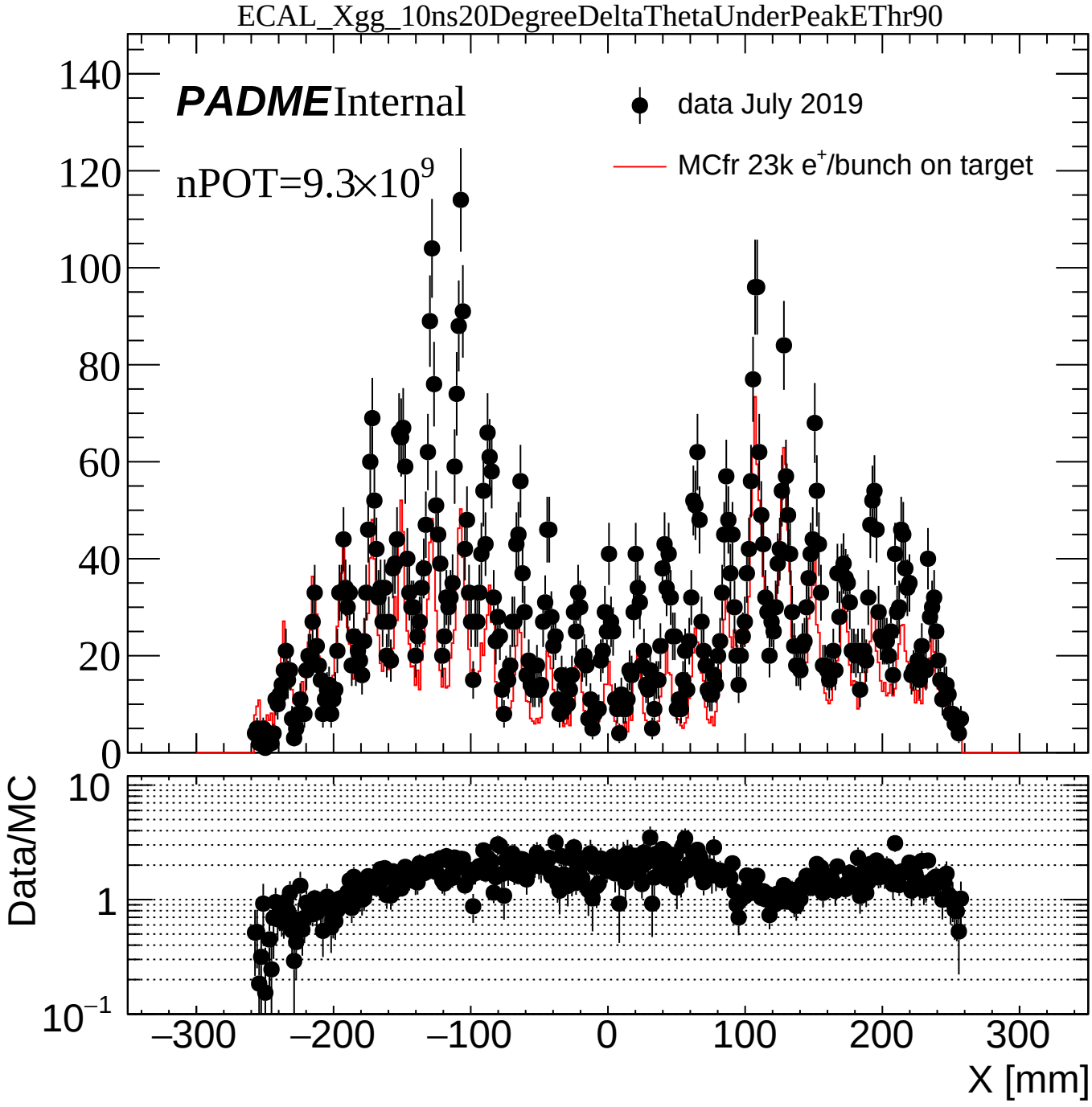
200
300
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
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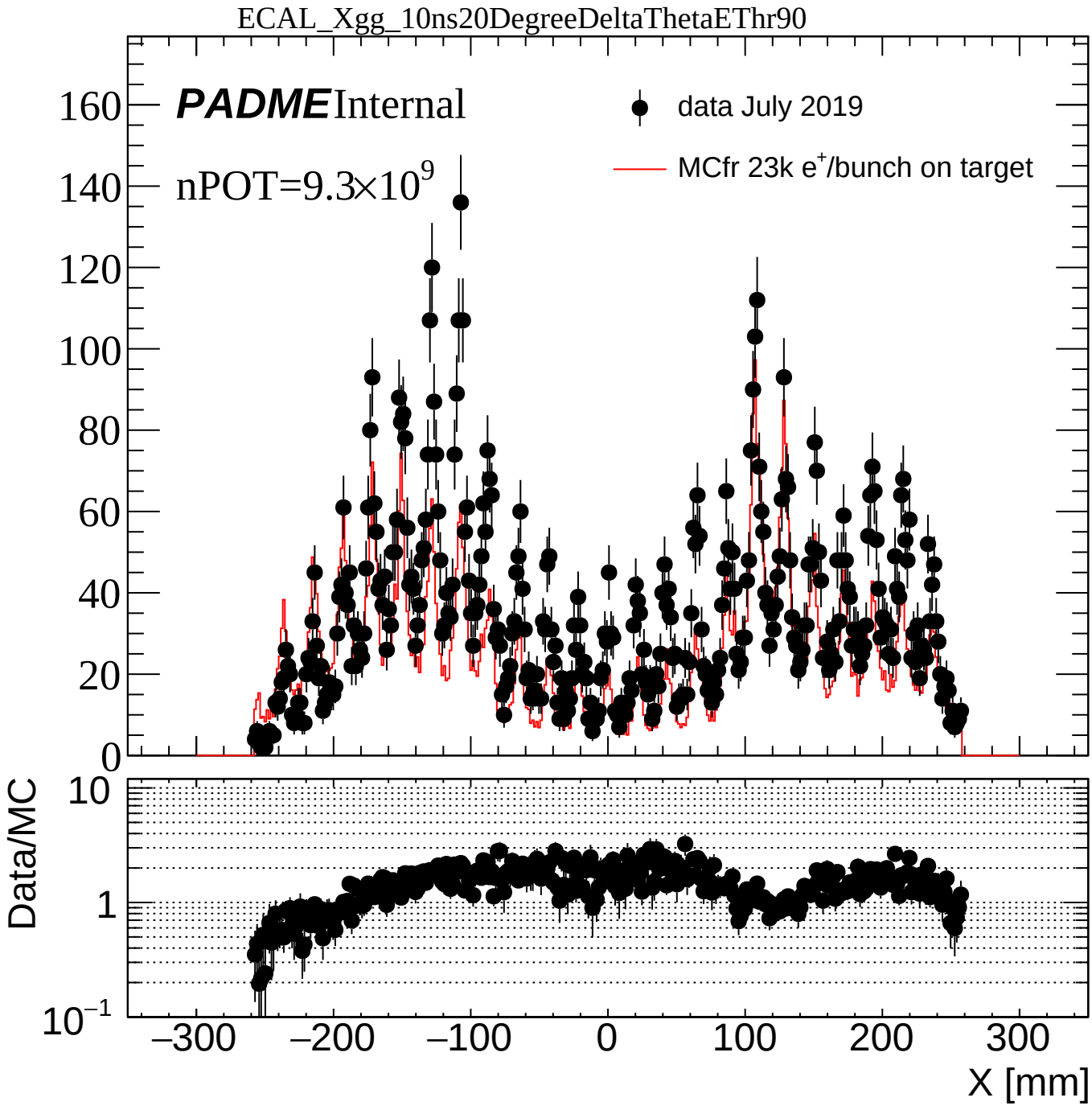
Data/MC
X [mm]


ECAL_Xgg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
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40
20
0
Data/MC
10
1
10^−1
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–200
–100
0
100
200
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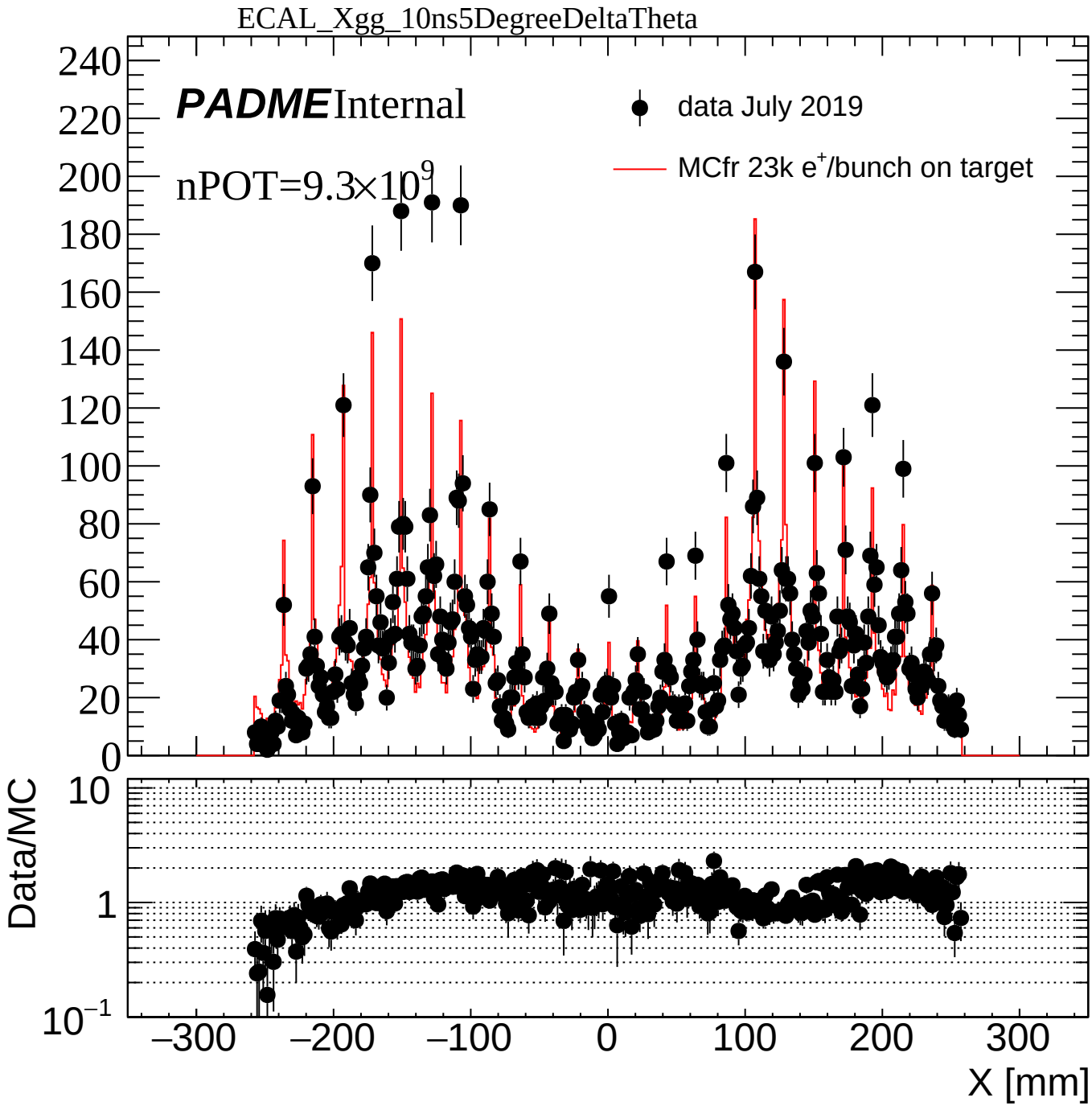
X [mm]


ECAL_Xgg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
240
220
200
180
160
140
120
100
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0
Data/MC
10
1
10^−1
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−200
−100
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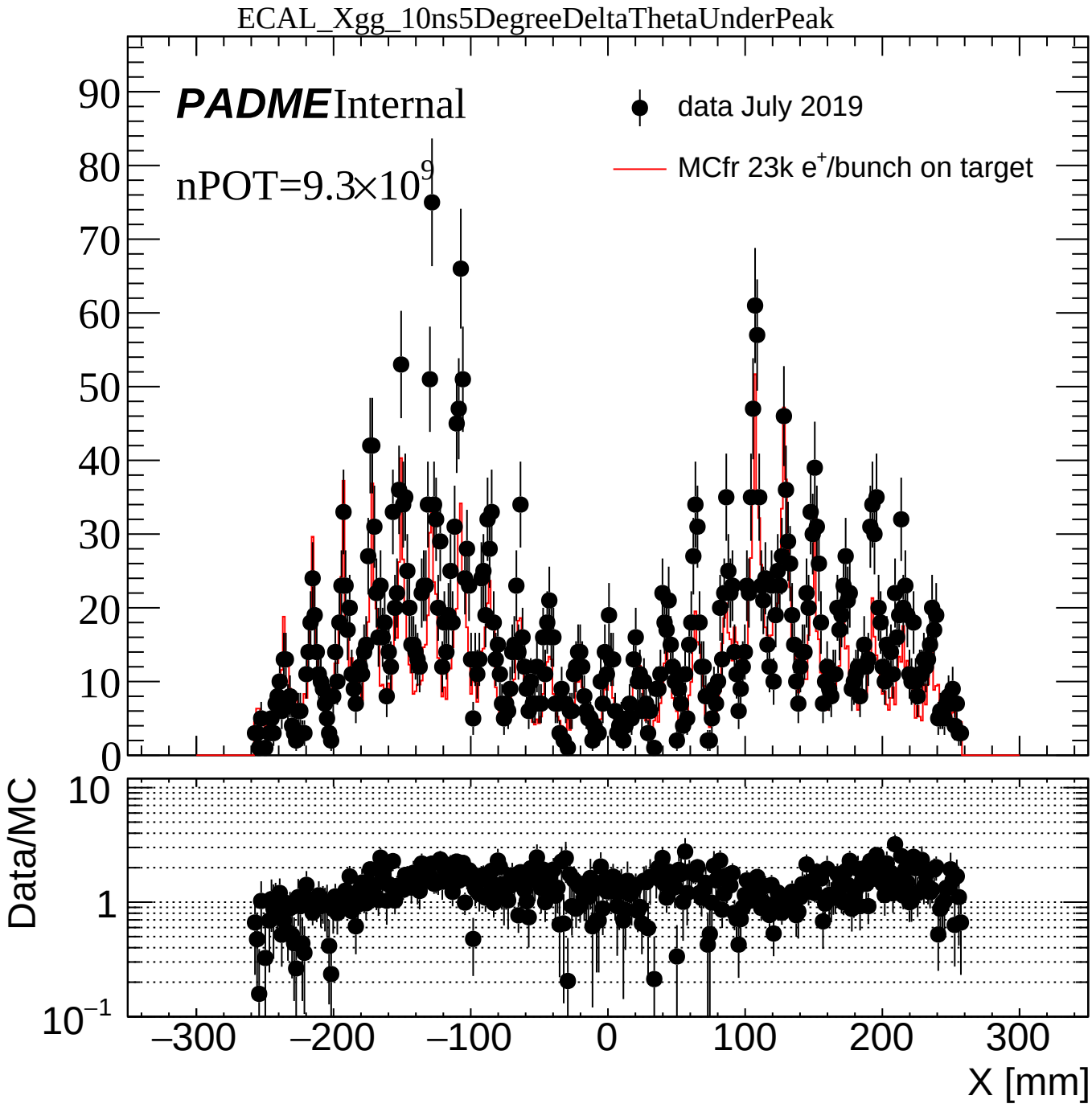
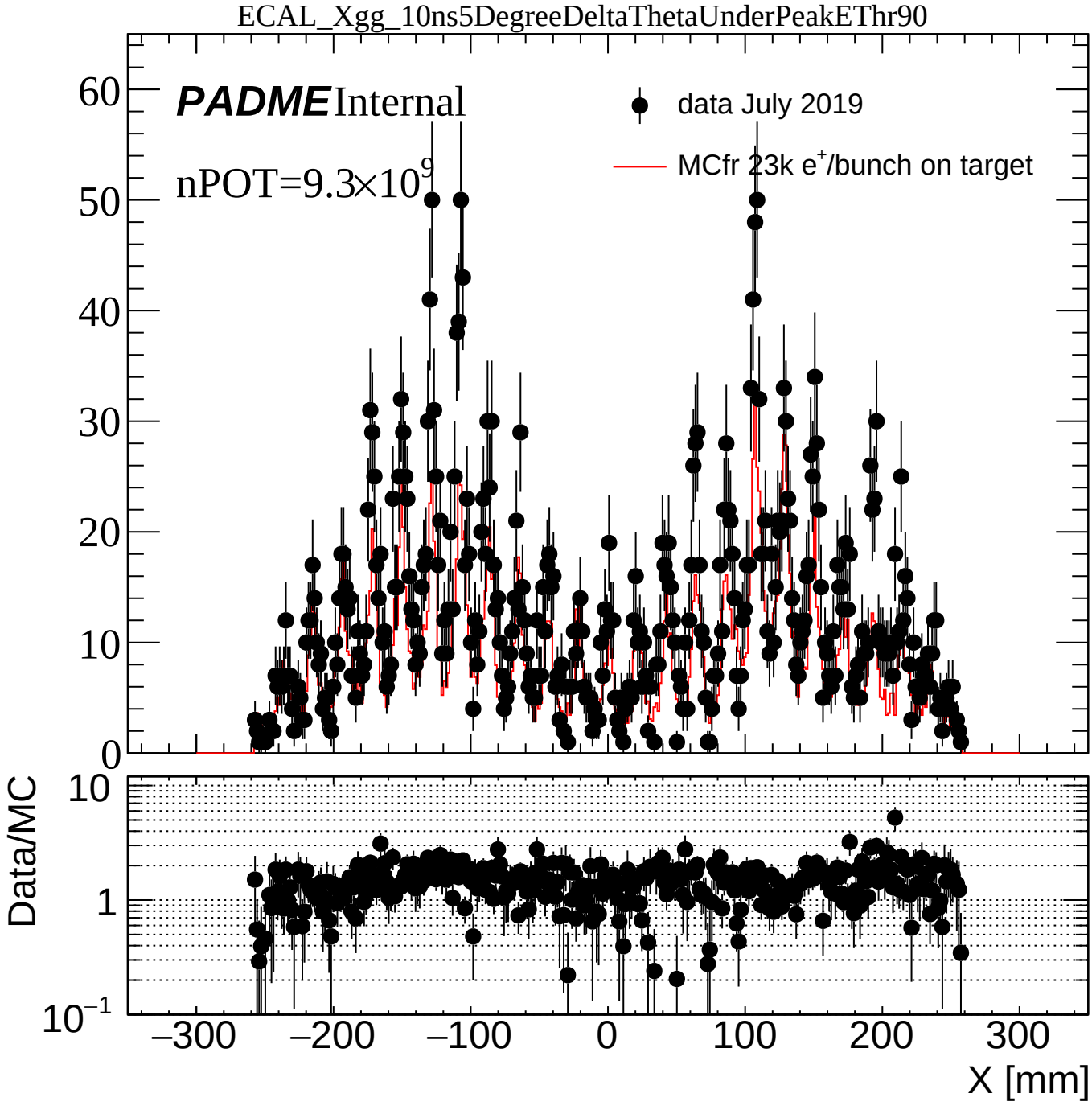
200
300
X [mm]


ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
X [mm]


ECAL_Xgg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
60
50
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30
20
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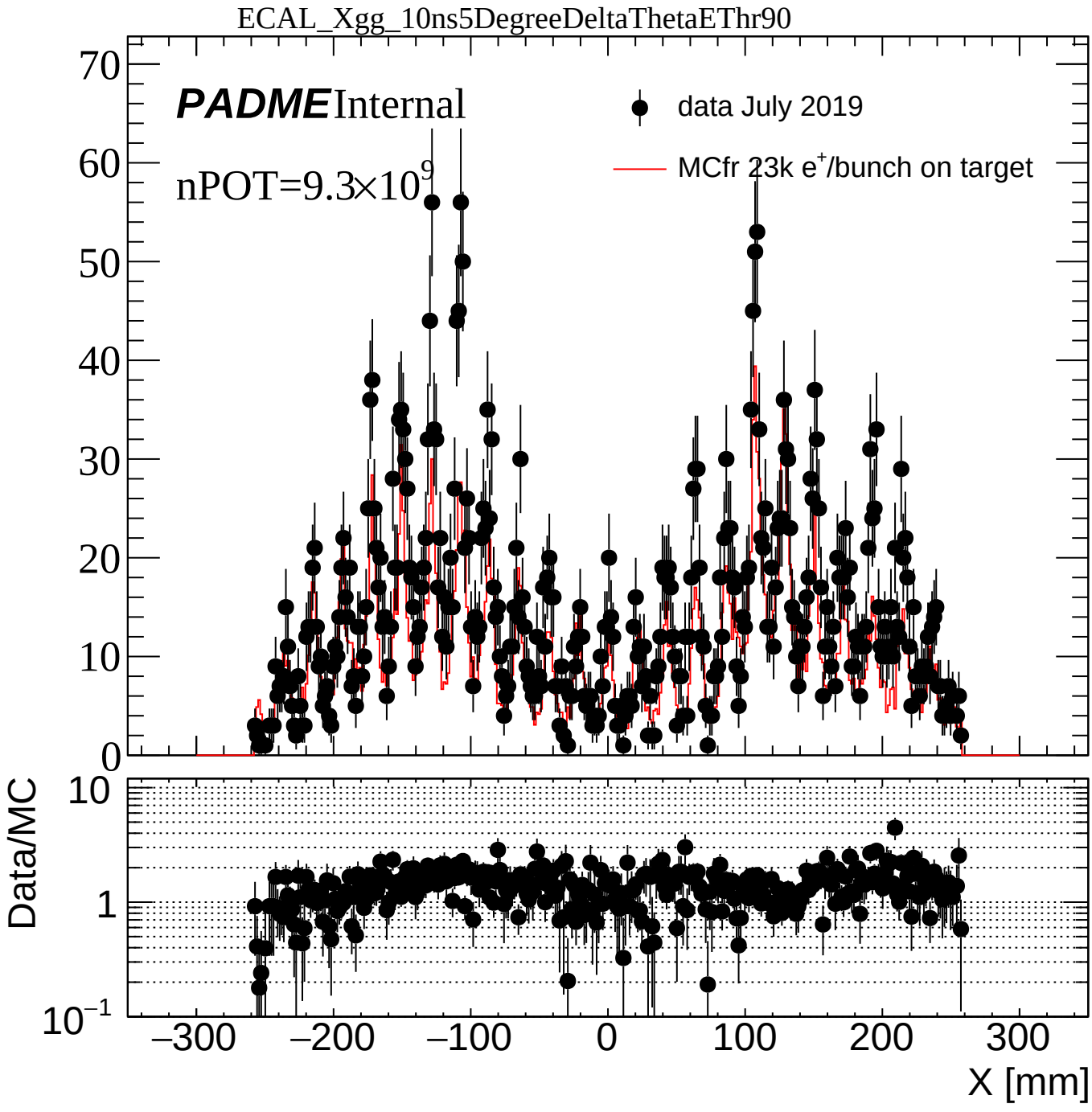
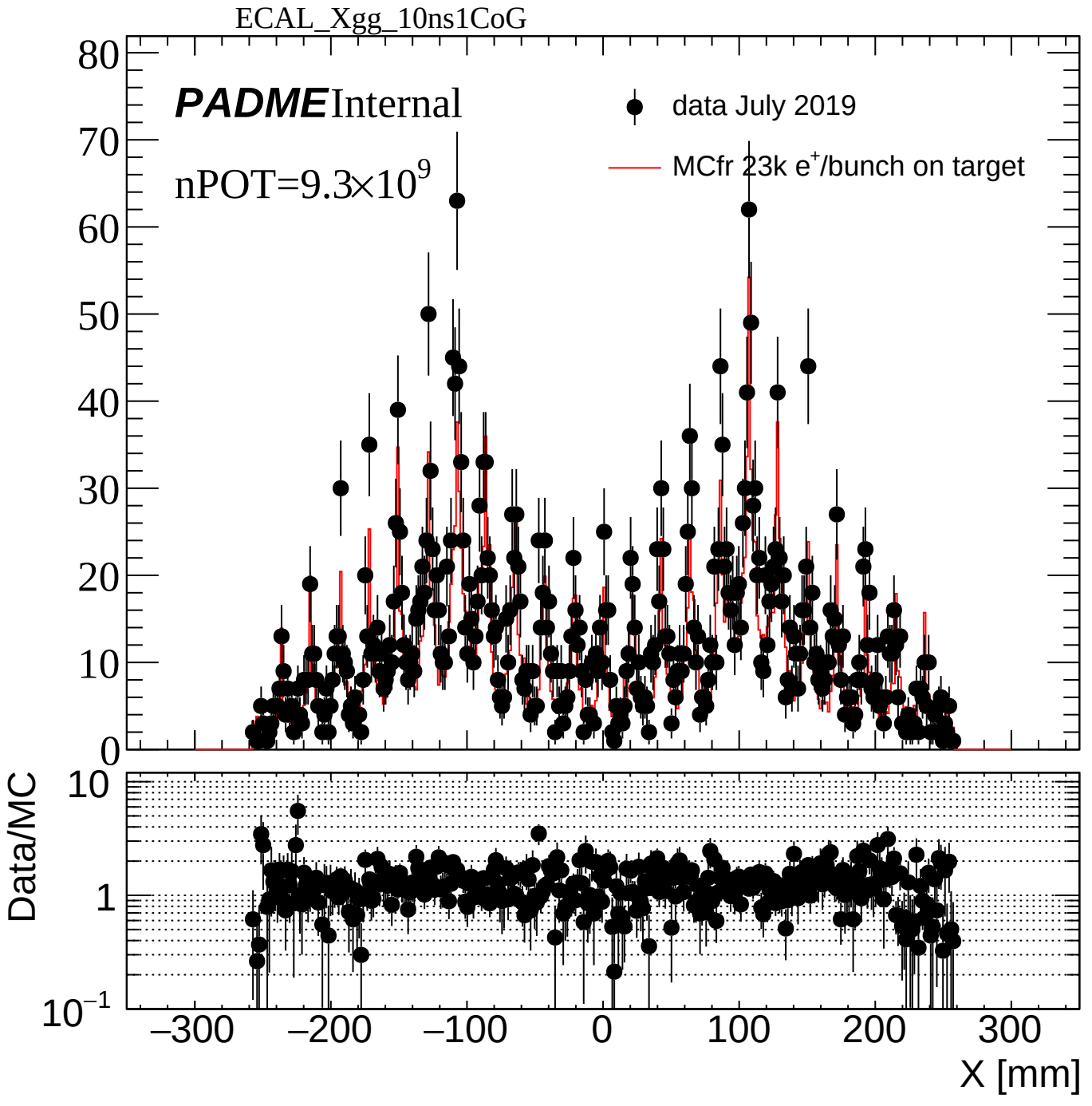
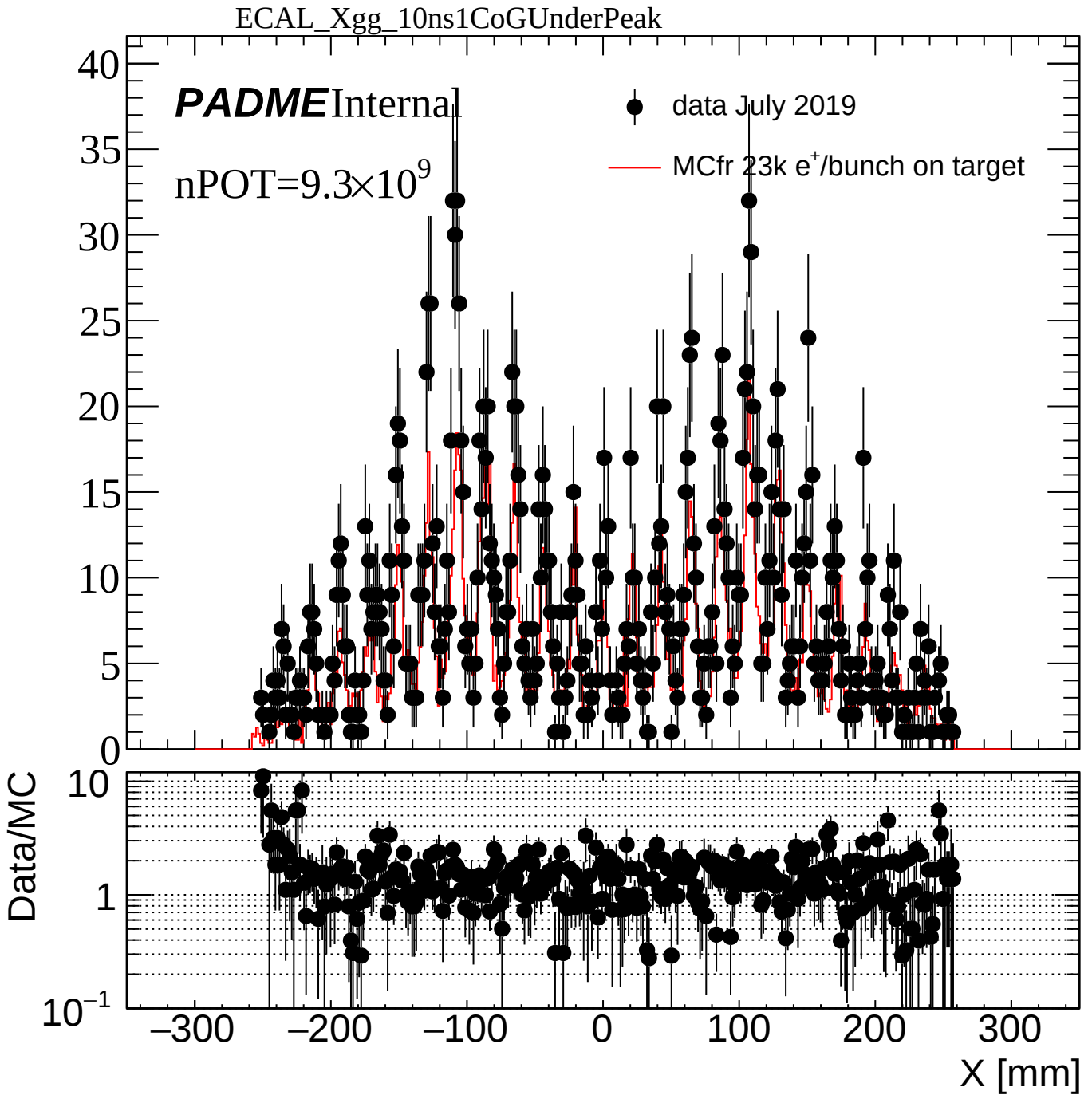
0
Data/MC
10
1
10^−1
−300
−200
−100
0
100
200
300
X [mm]


ECAL_Xgg_10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
70
60
50
40
30
20
10
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
X [mm]


ECAL_Xgg_10ns1CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
X [mm]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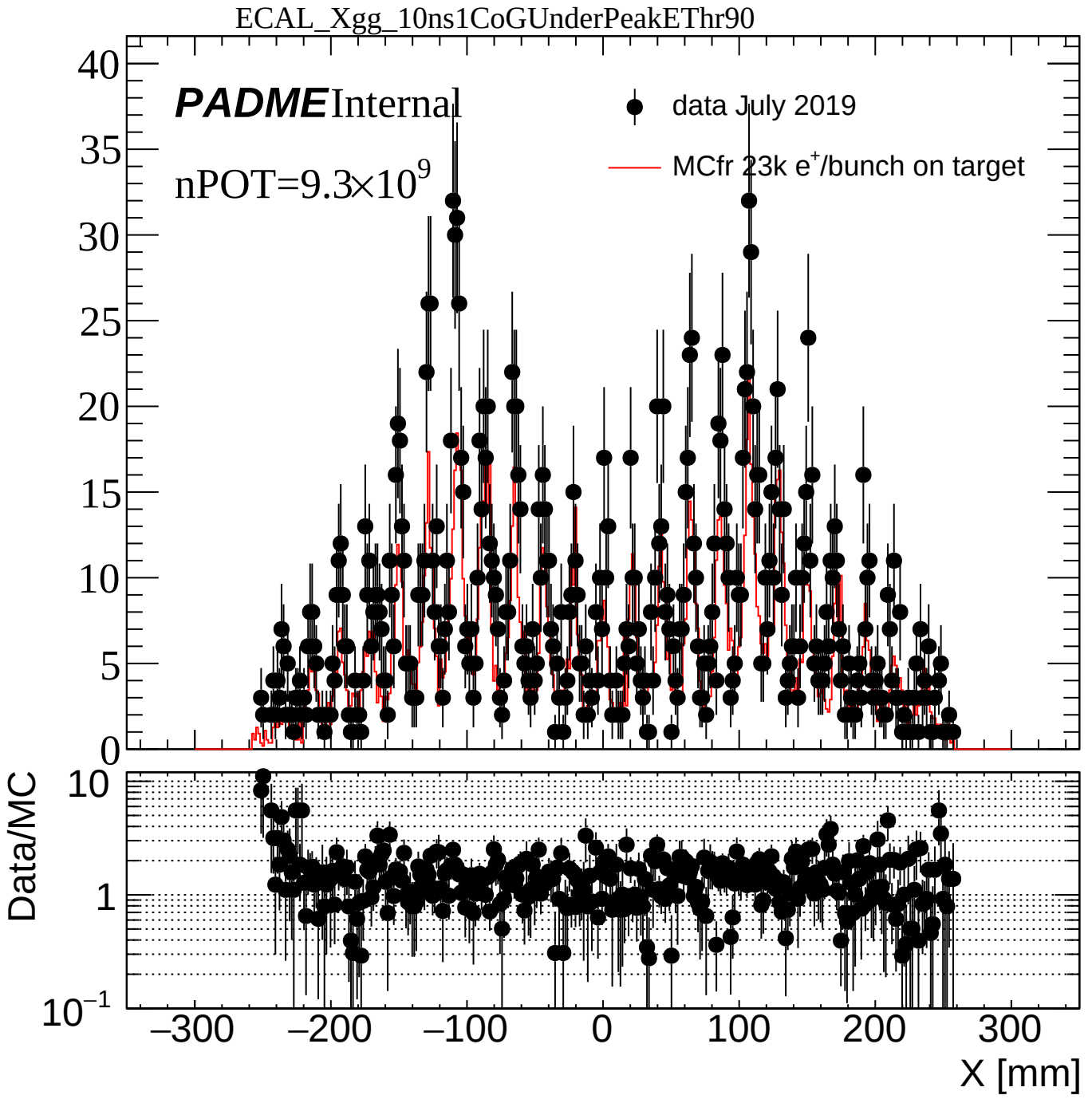
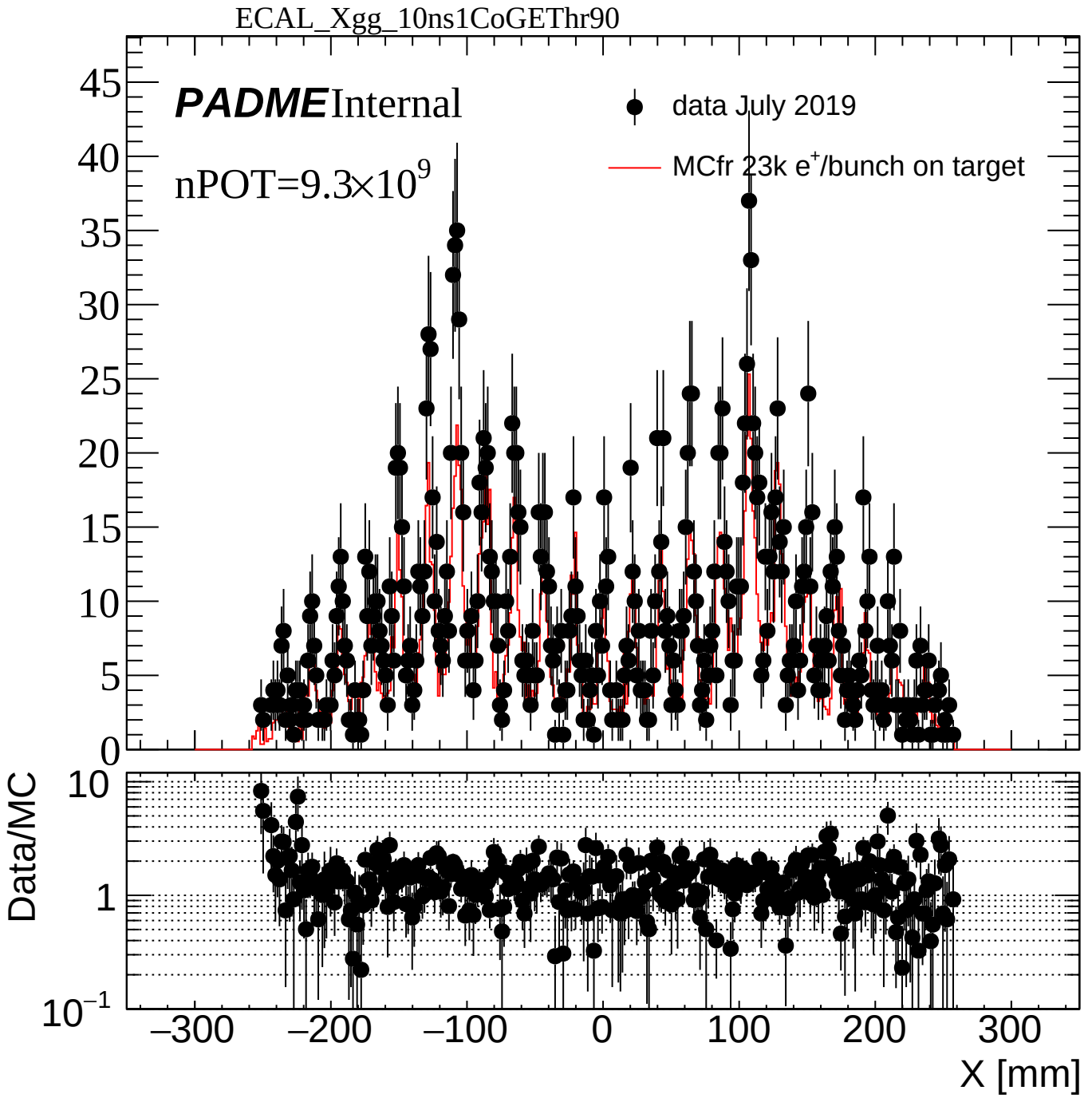
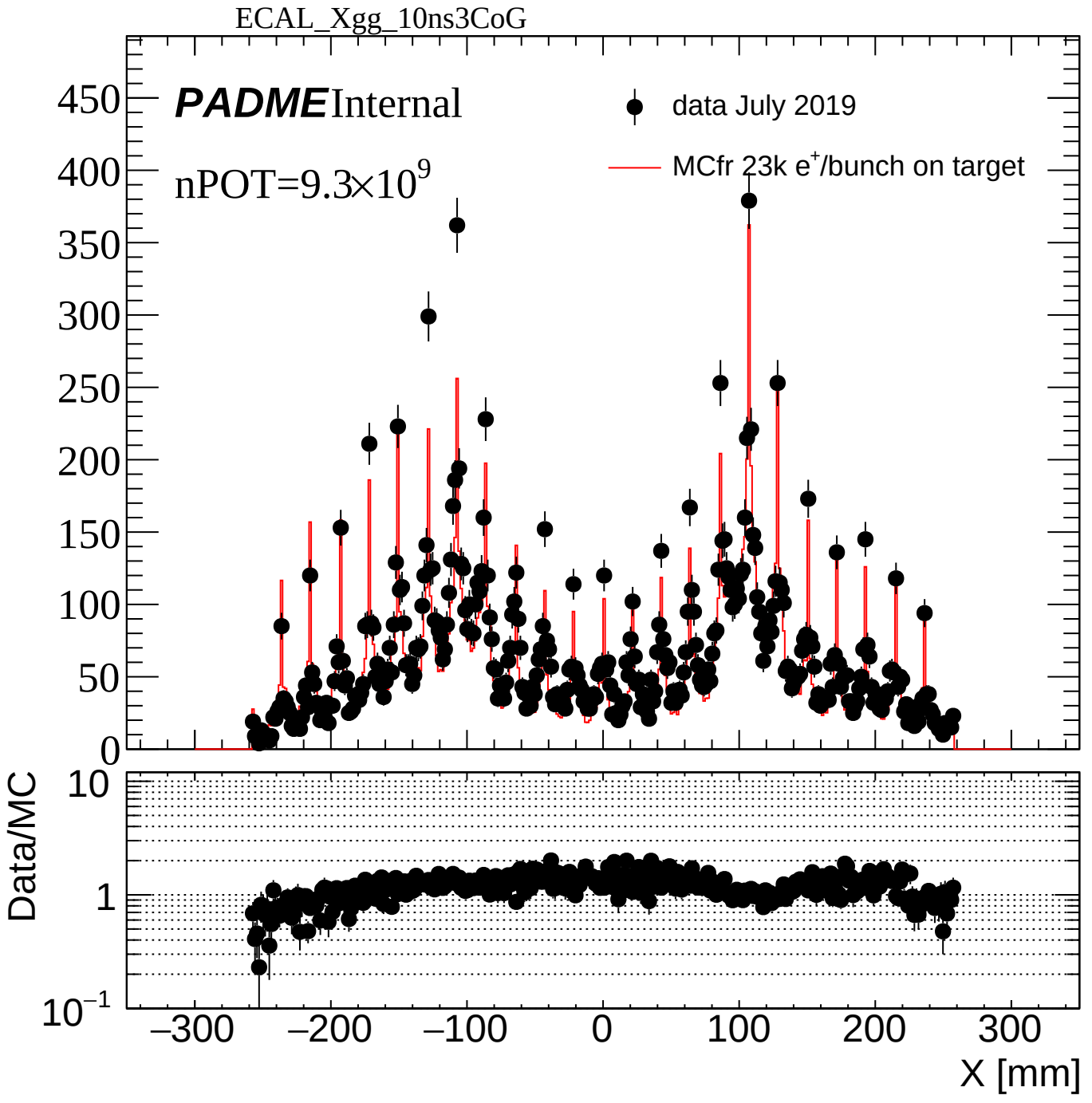
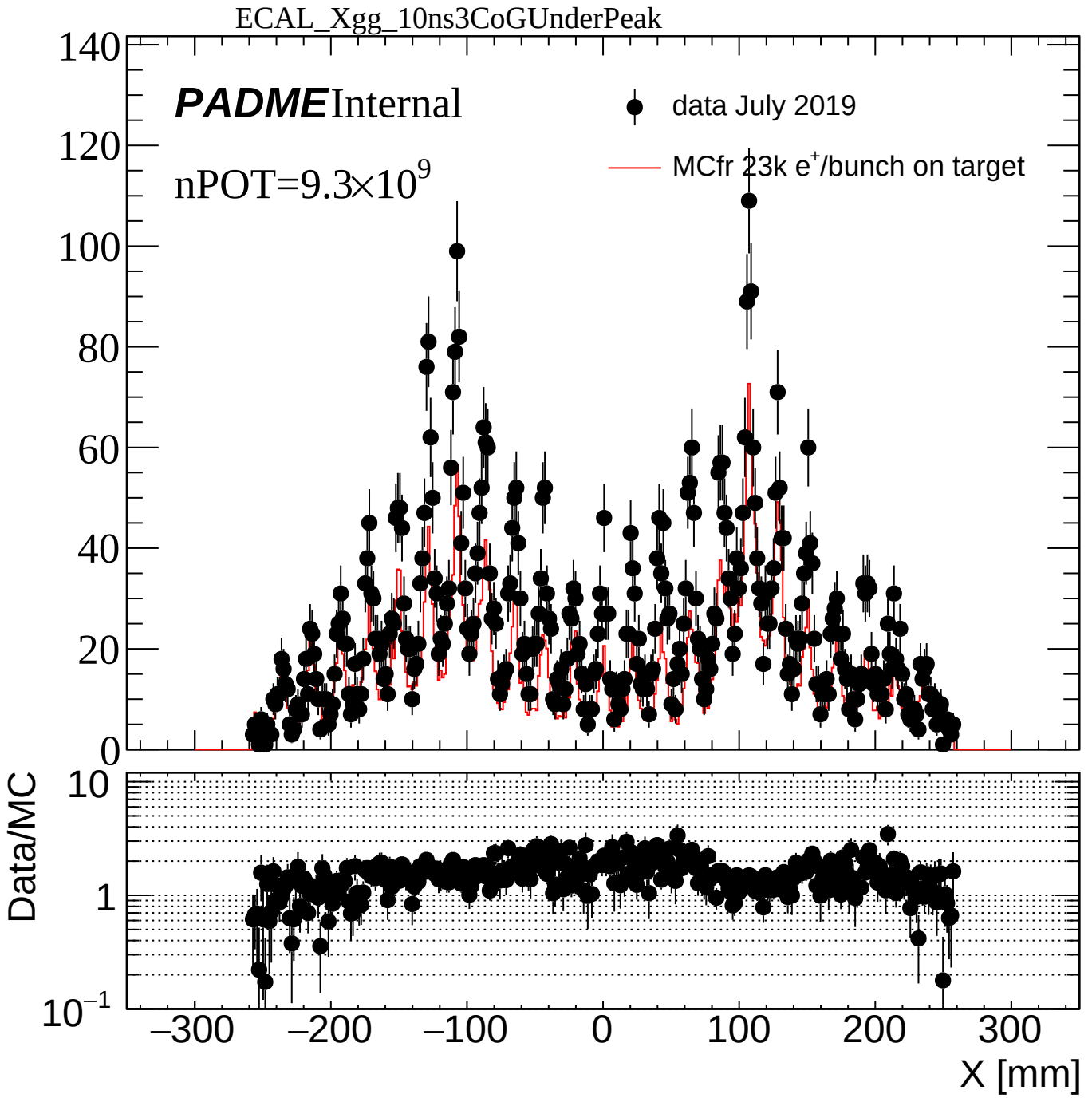
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
X [mm]


ECAL_Xgg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
X [mm]


ECAL_Xgg_10ns1CoGEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
X [mm]


ECAL_Xgg_10ns3CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
X [mm]


ECAL_Xgg_10ns3CoGUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
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0
Data/MC
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1
10^−1
−300
−200
−100
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200
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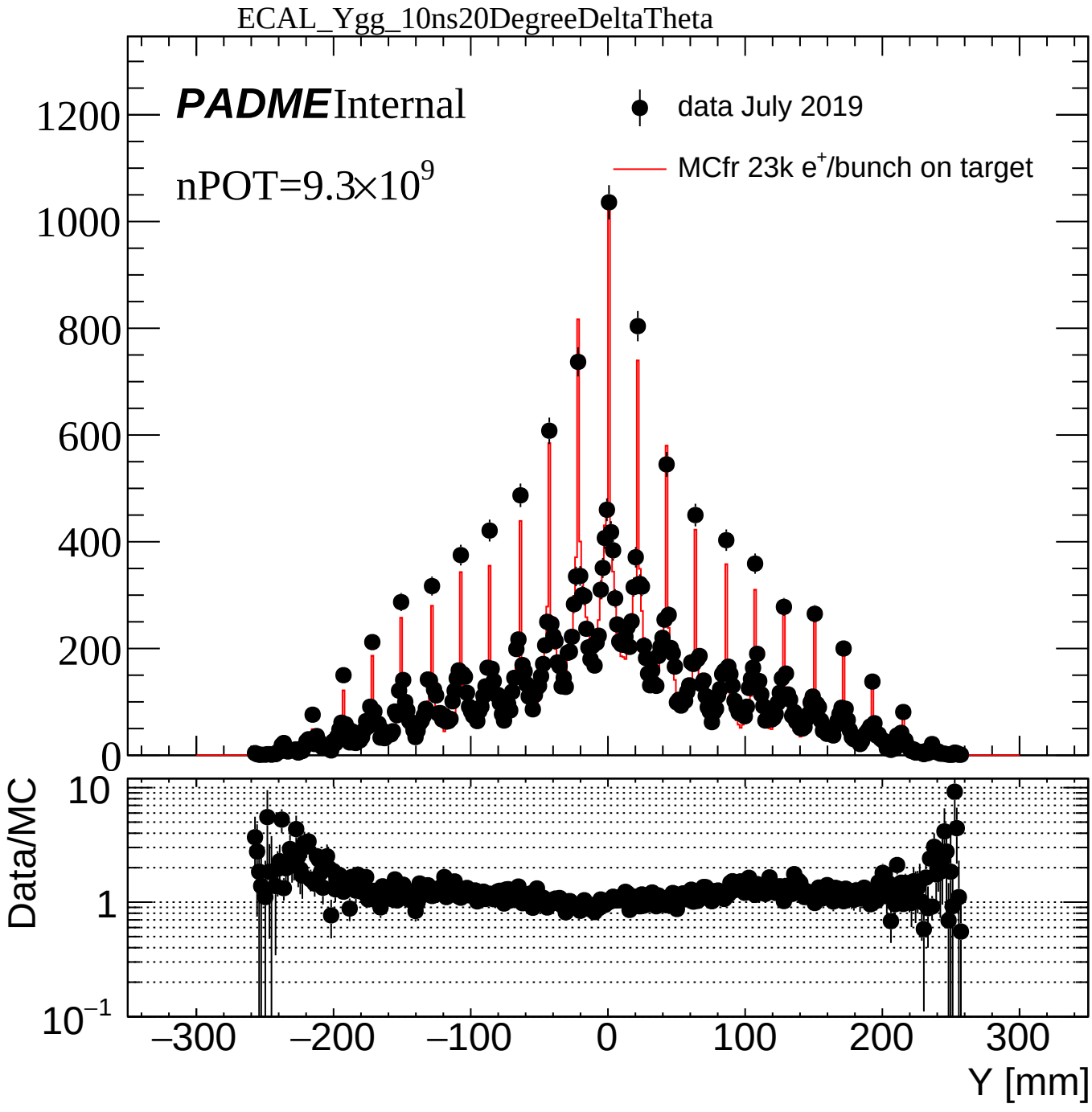
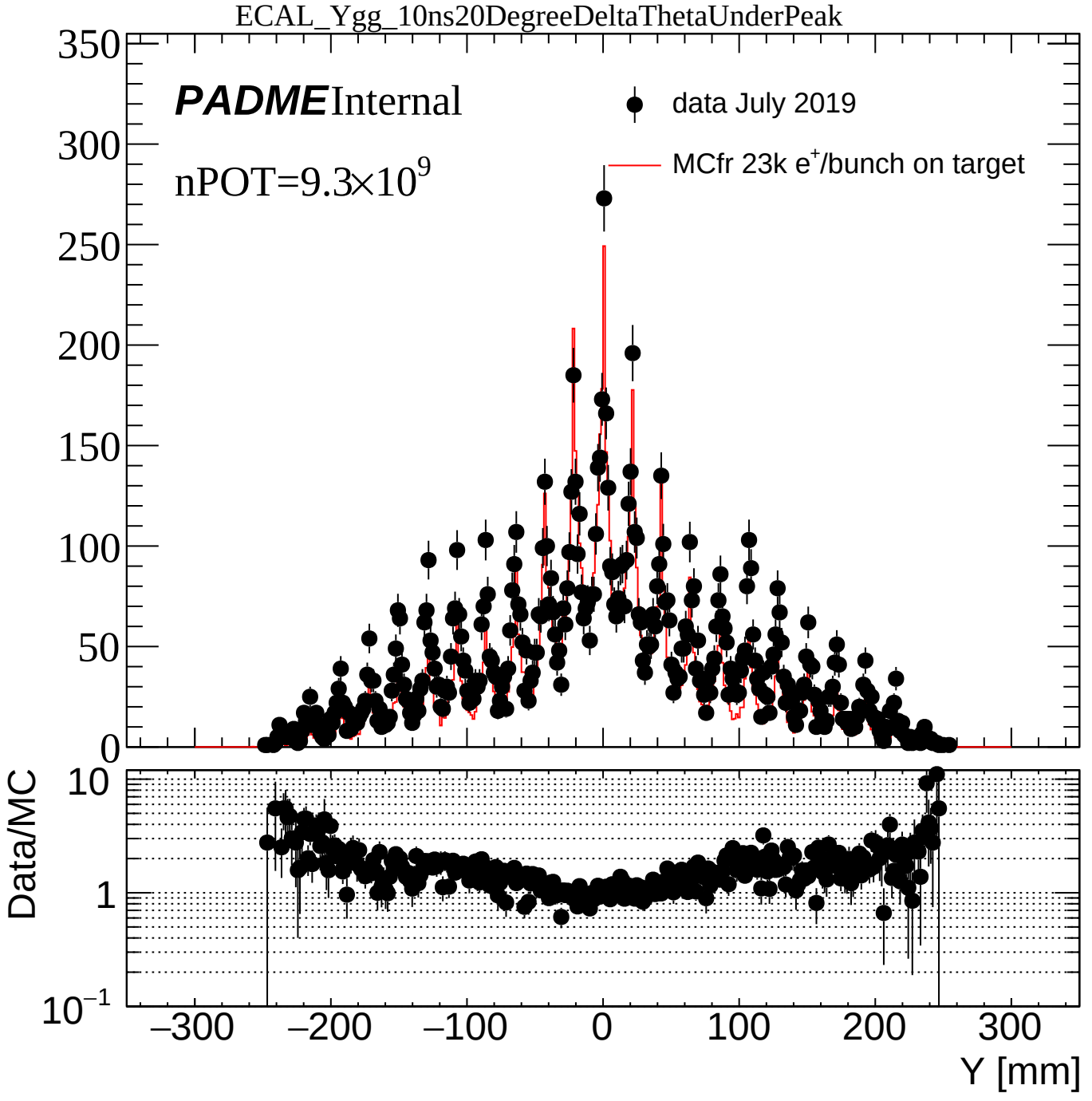
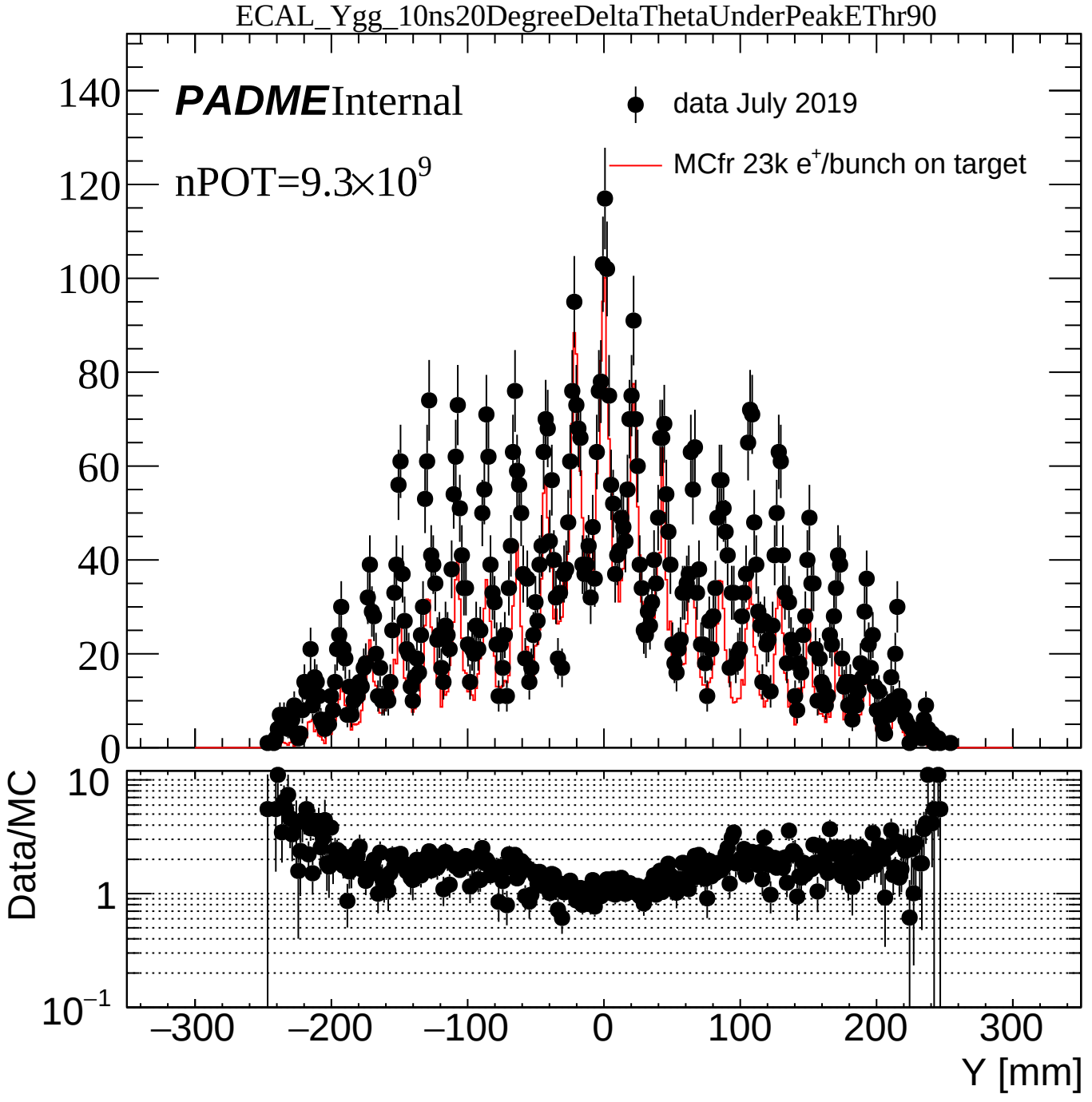
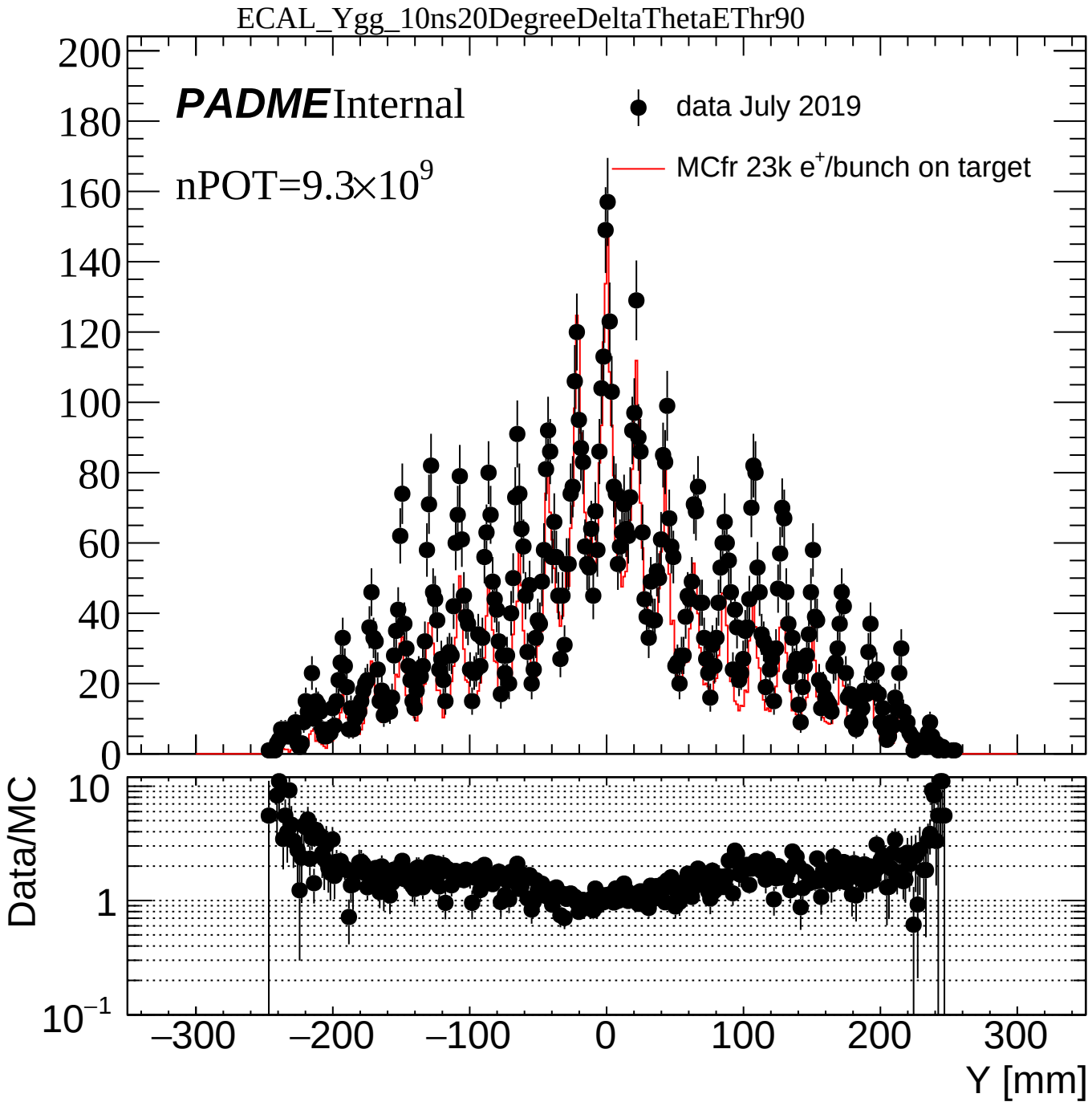
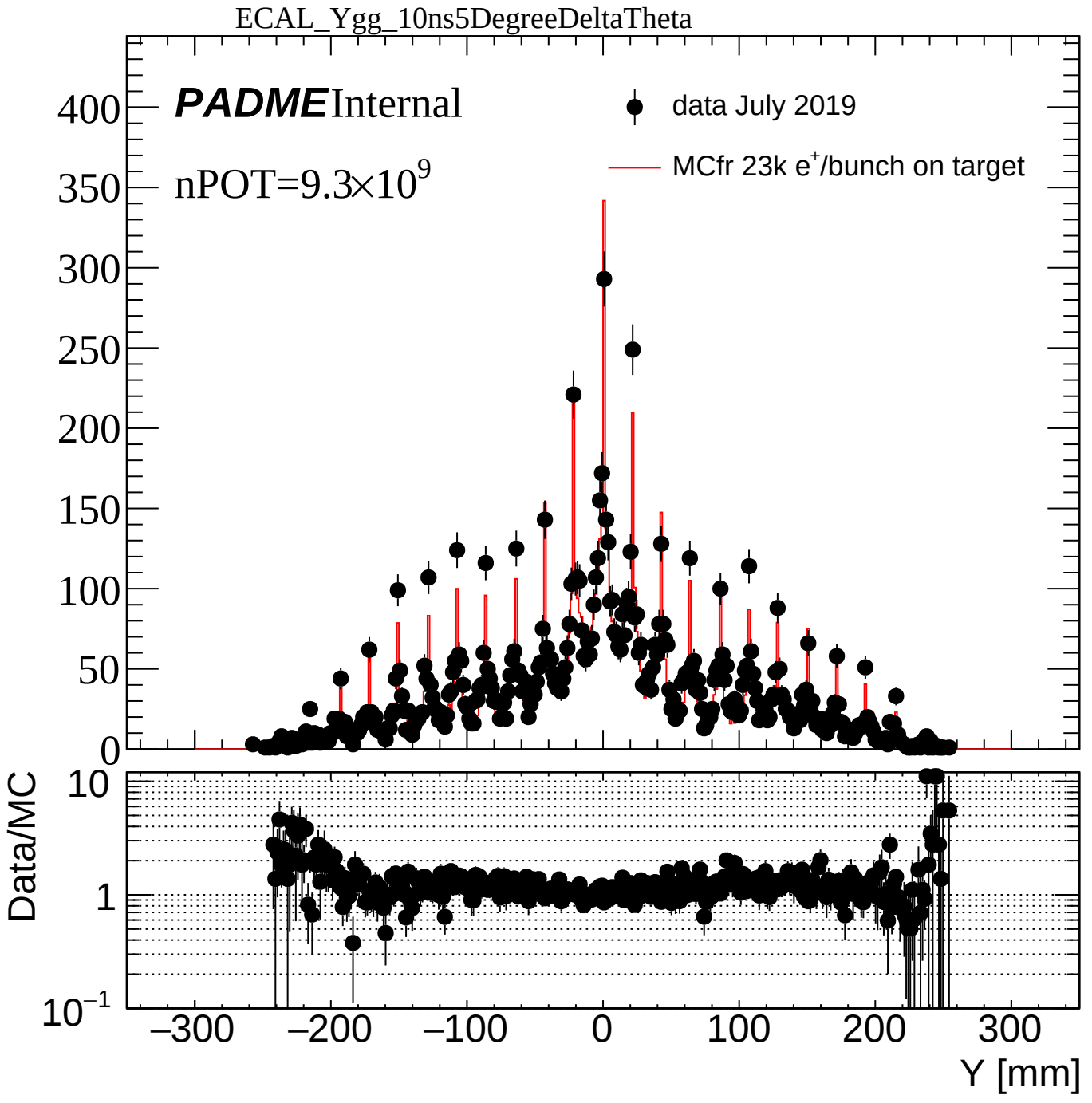
X [mm]

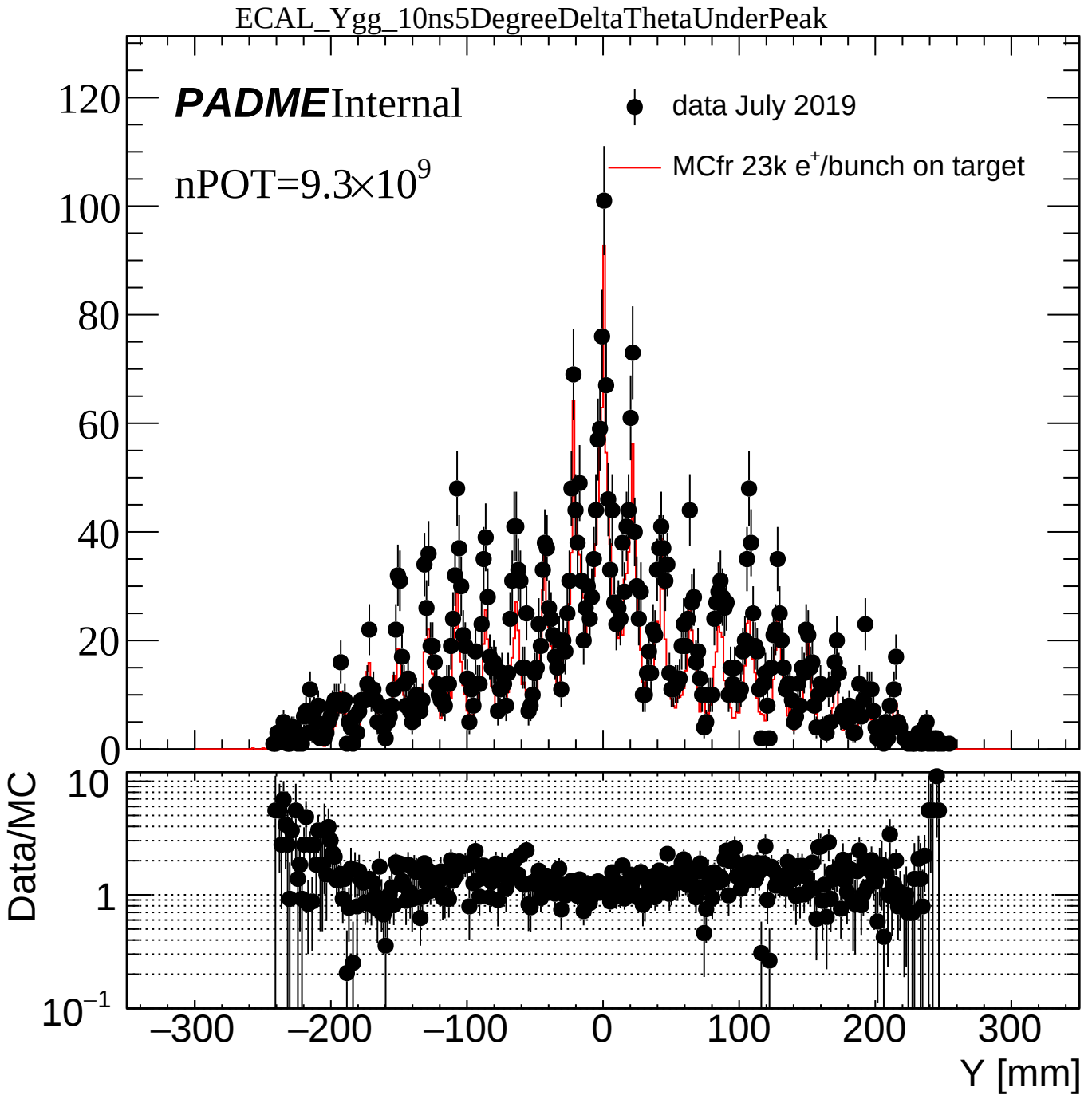

ECAL_Ygg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
1200
1000
800
600
400
200
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]

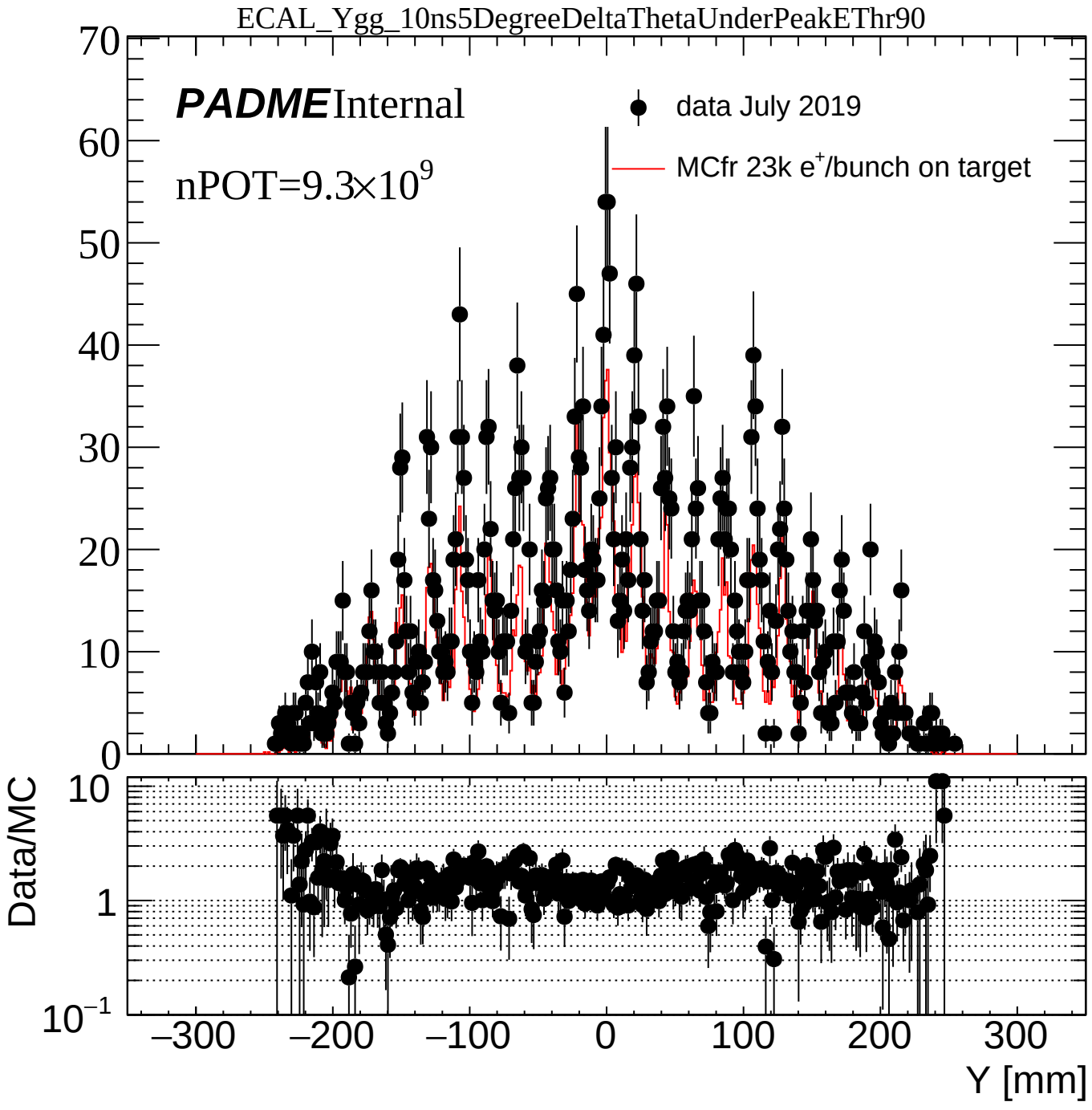

ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
350
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]

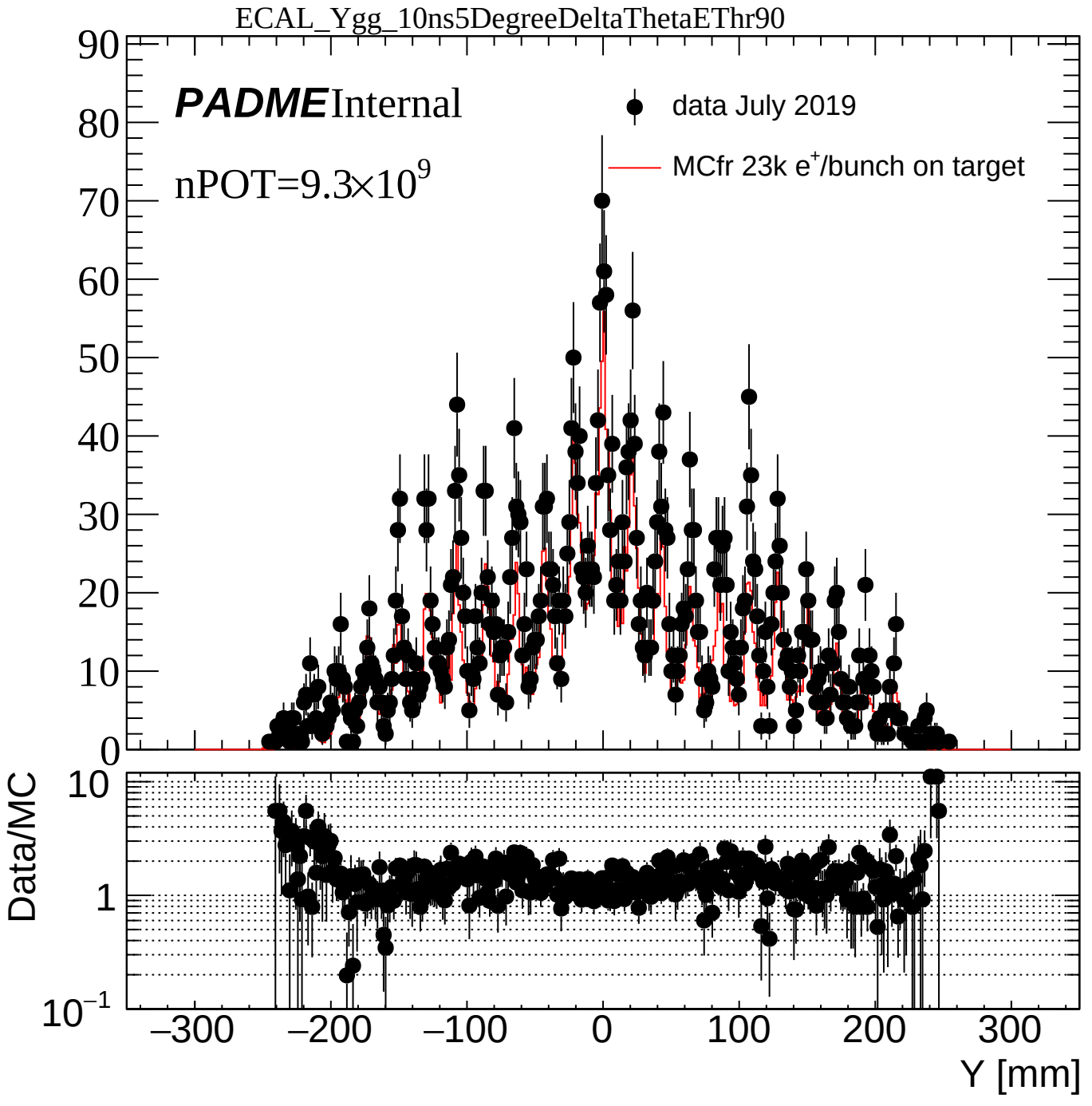

ECAL_Ygg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]


ECAL_Ygg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Y [mm]


ECAL_Ygg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
400
350
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]


ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
−300
−200
−100
0
100
200
300
Y [mm]


ECAL_Ygg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
70
60
50
40
30
20
10
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]


ECAL_Ygg_10ns5DegreeDeltaThetaEThr90
PADME Internal
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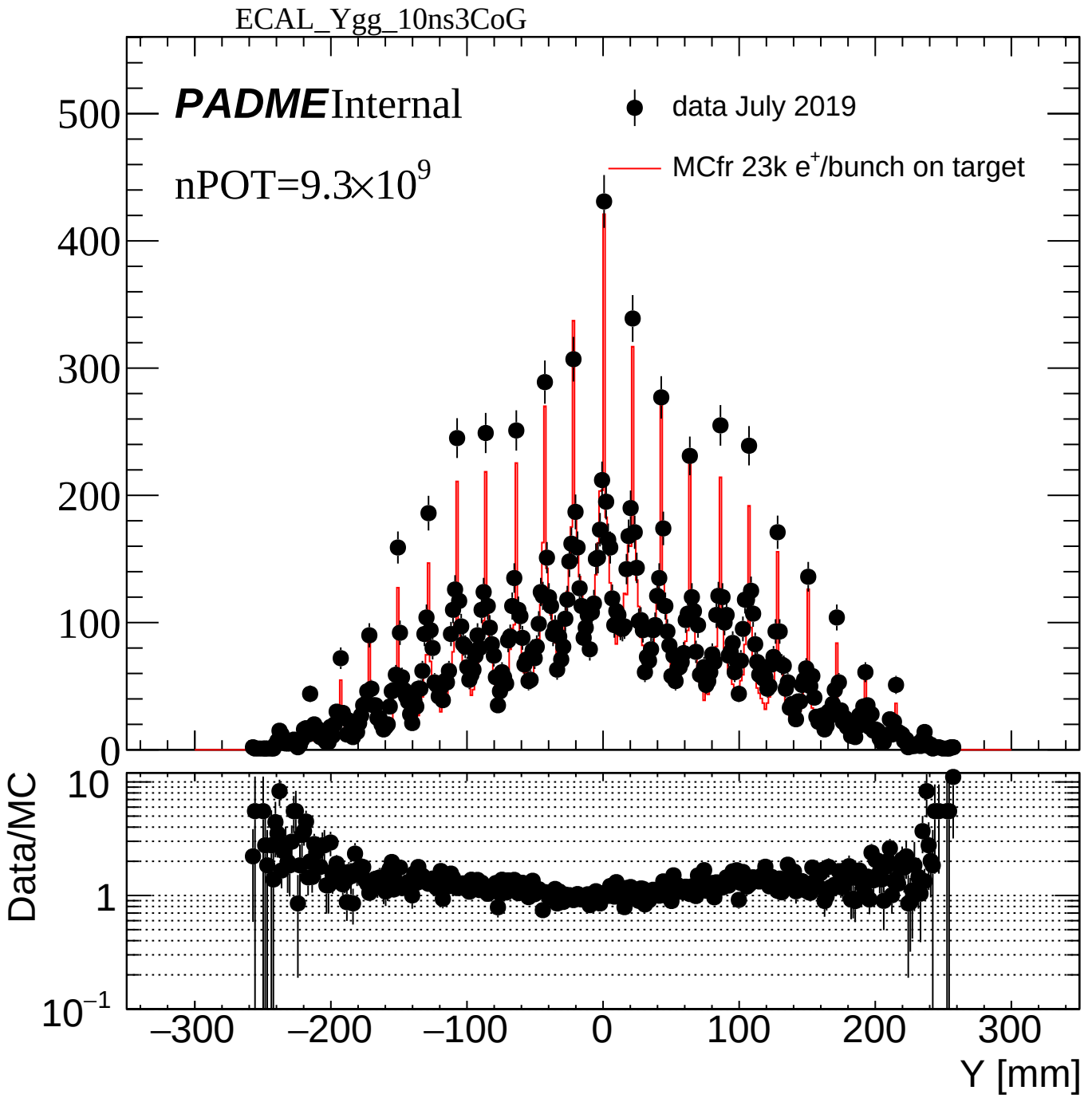
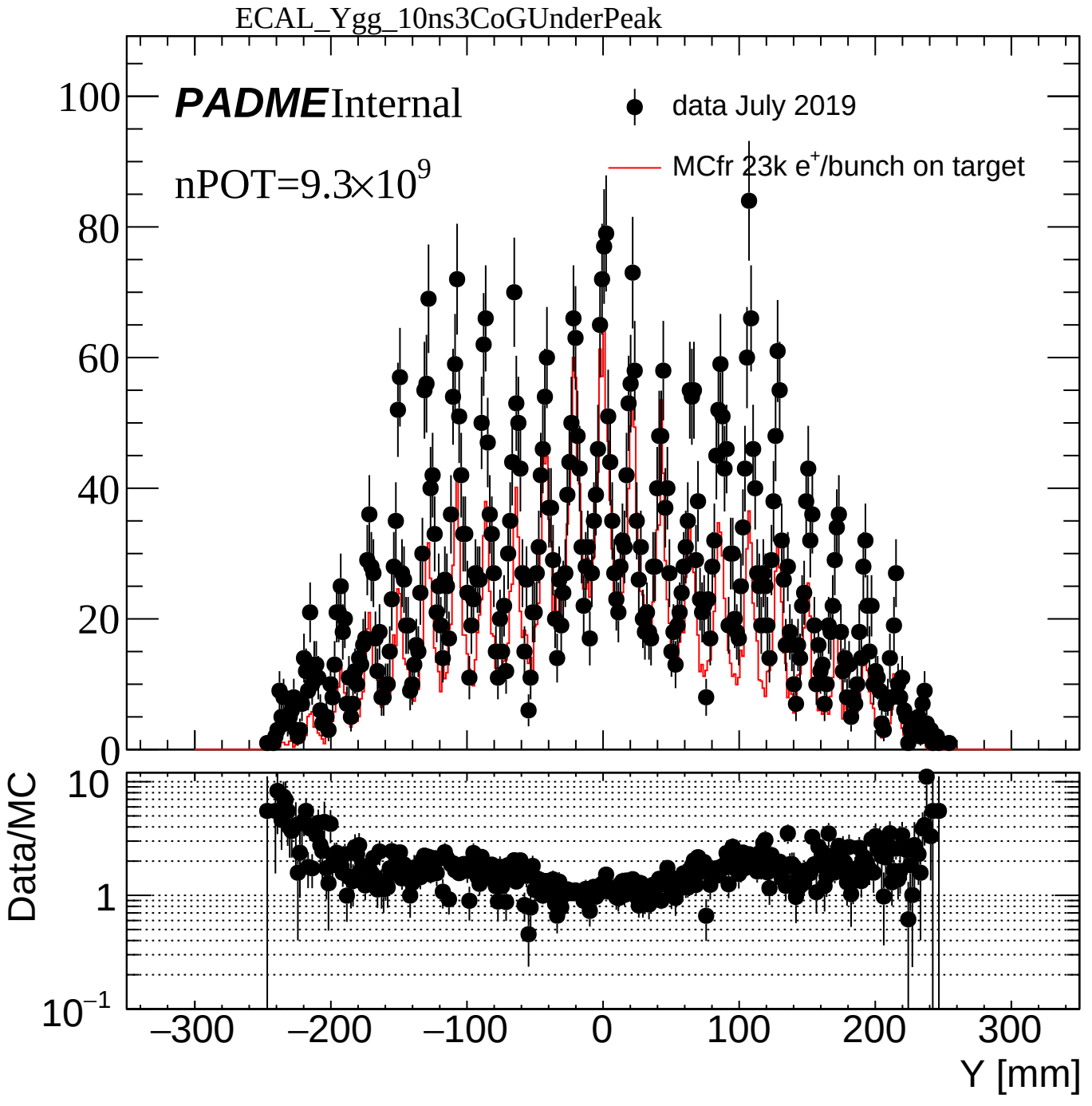
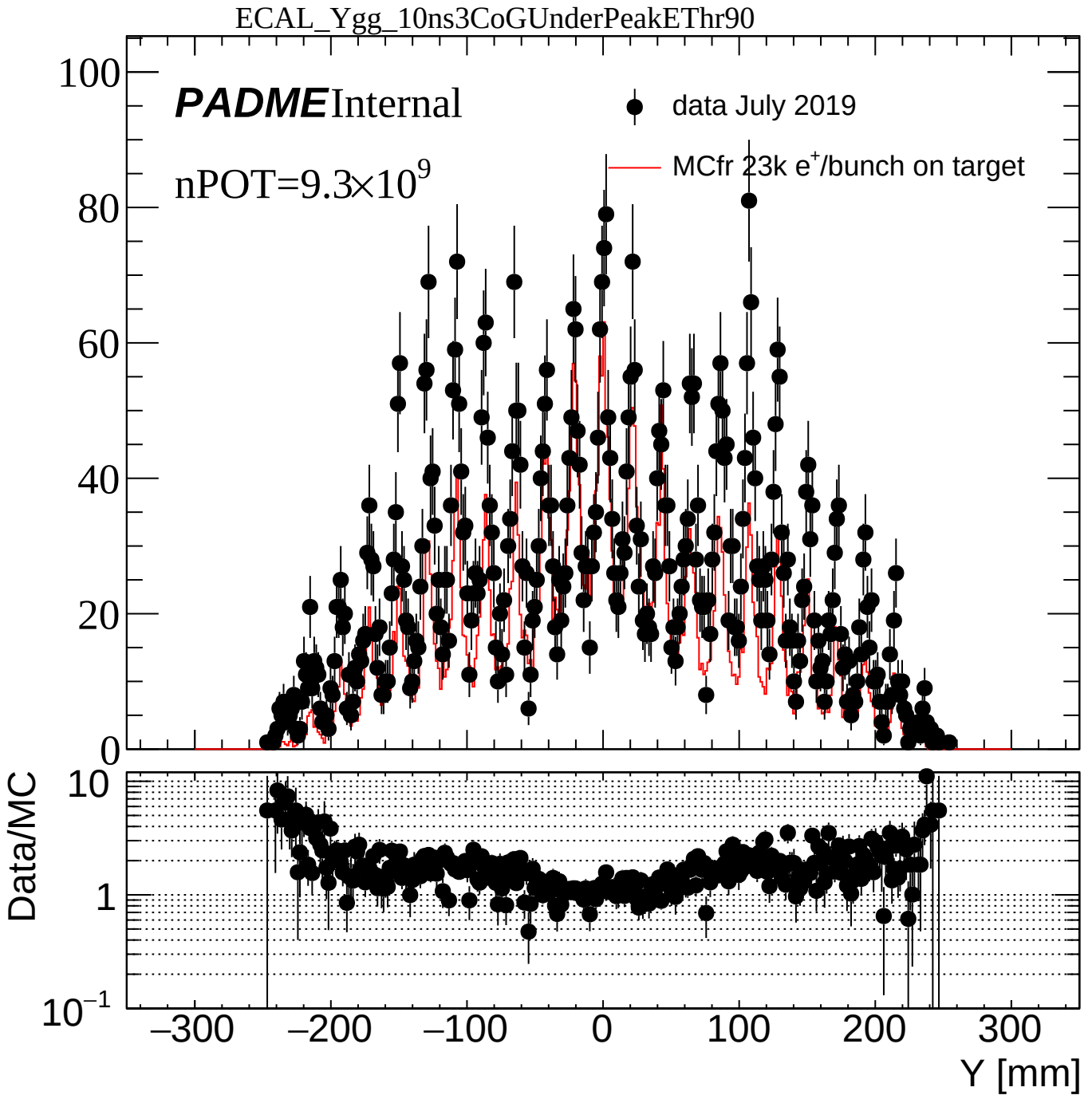
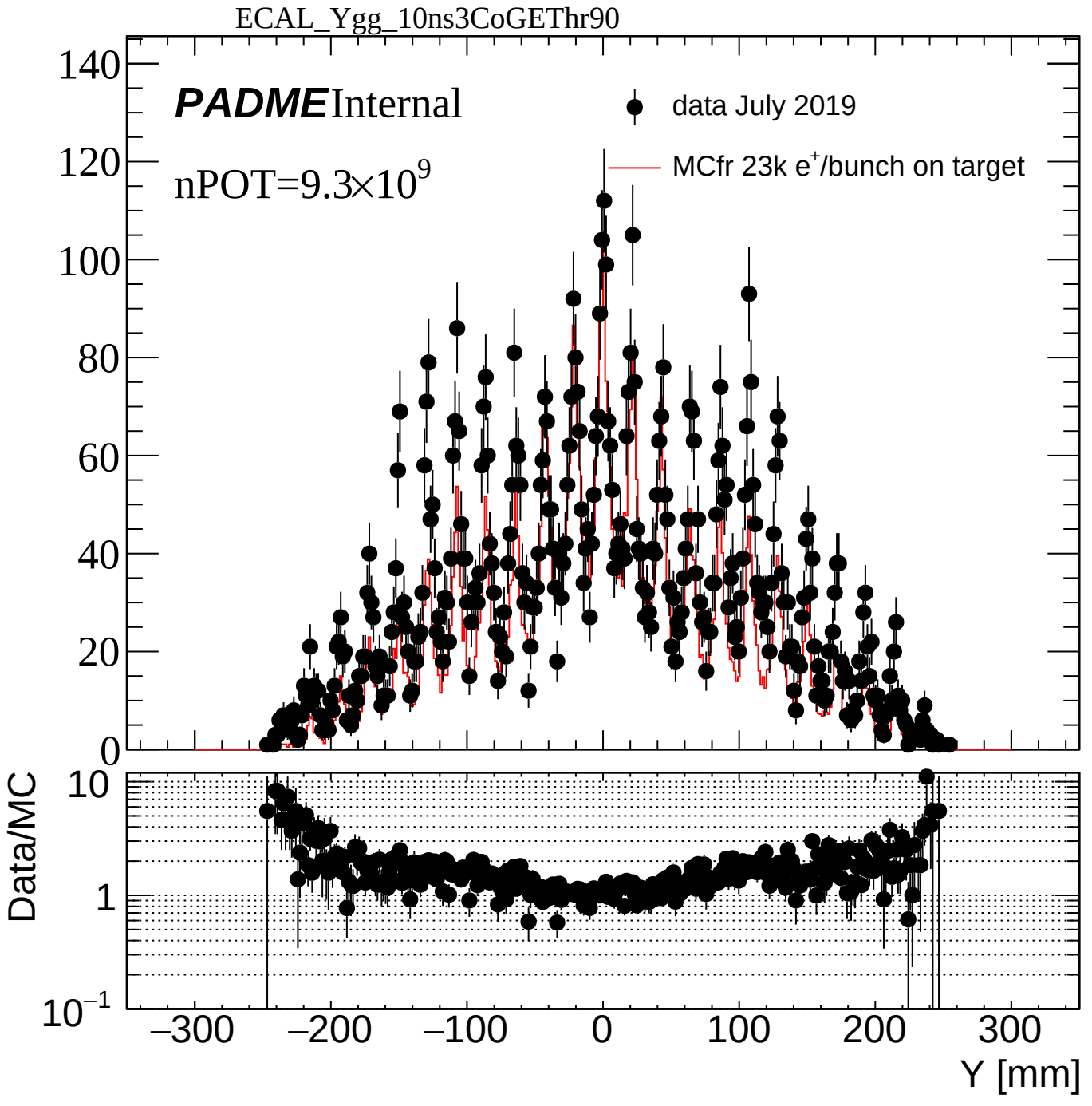
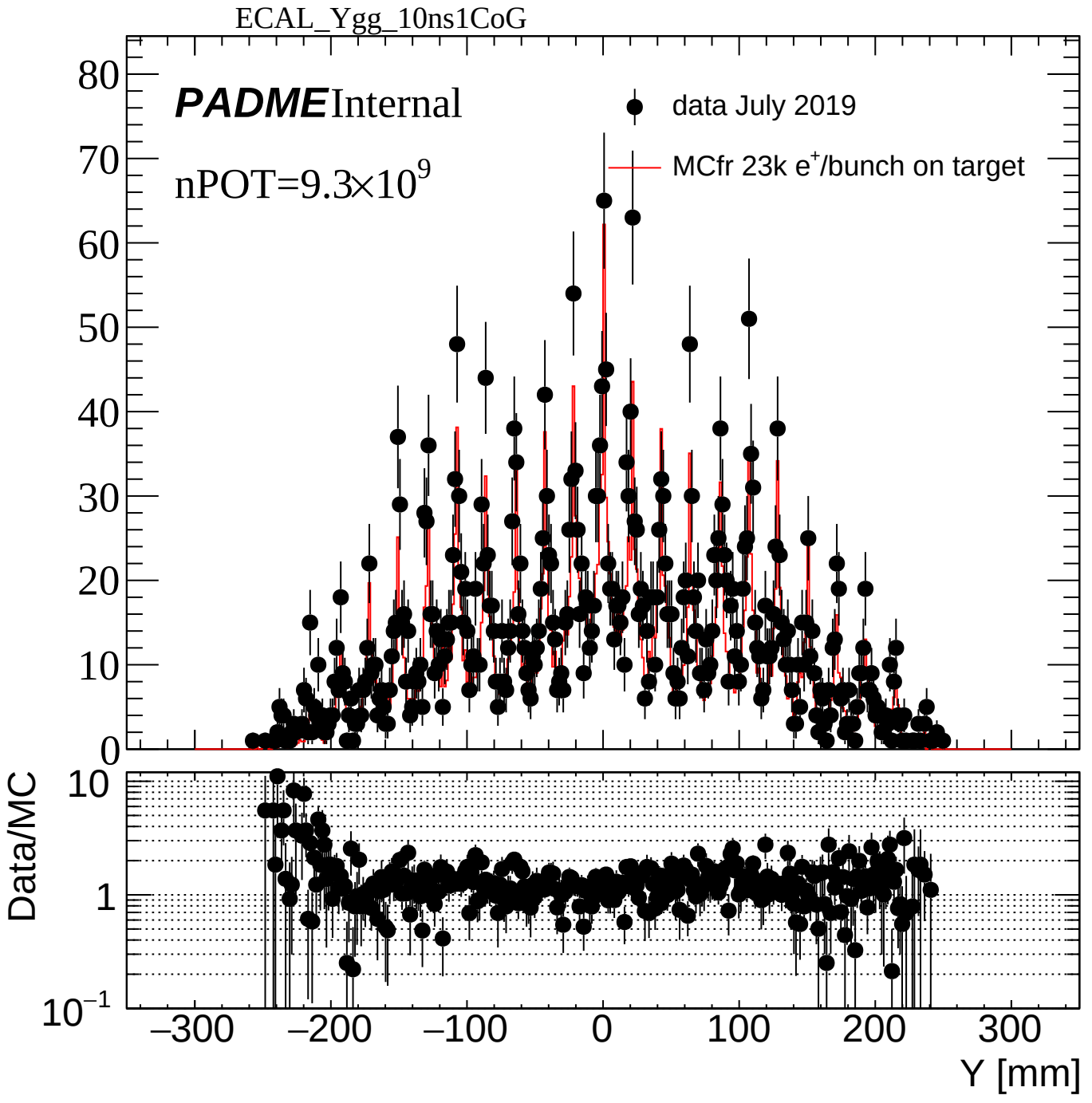
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Y [mm]

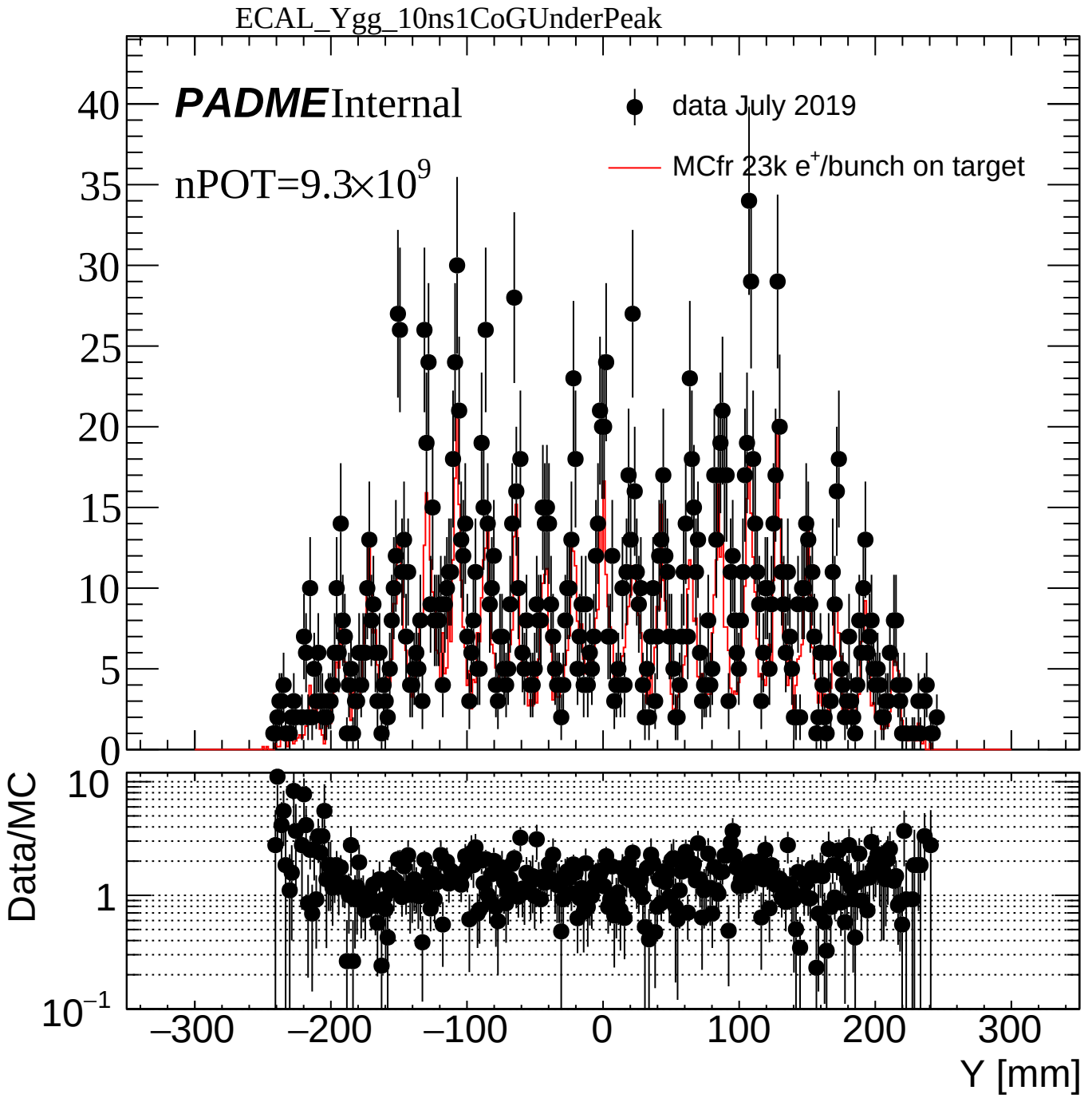

ECAL_Ygg_10ns3CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
500
400
300
200
100
0
Data/MC
10
1
10^−1
−300
−200
−100
0
100
200
300
Y [mm]

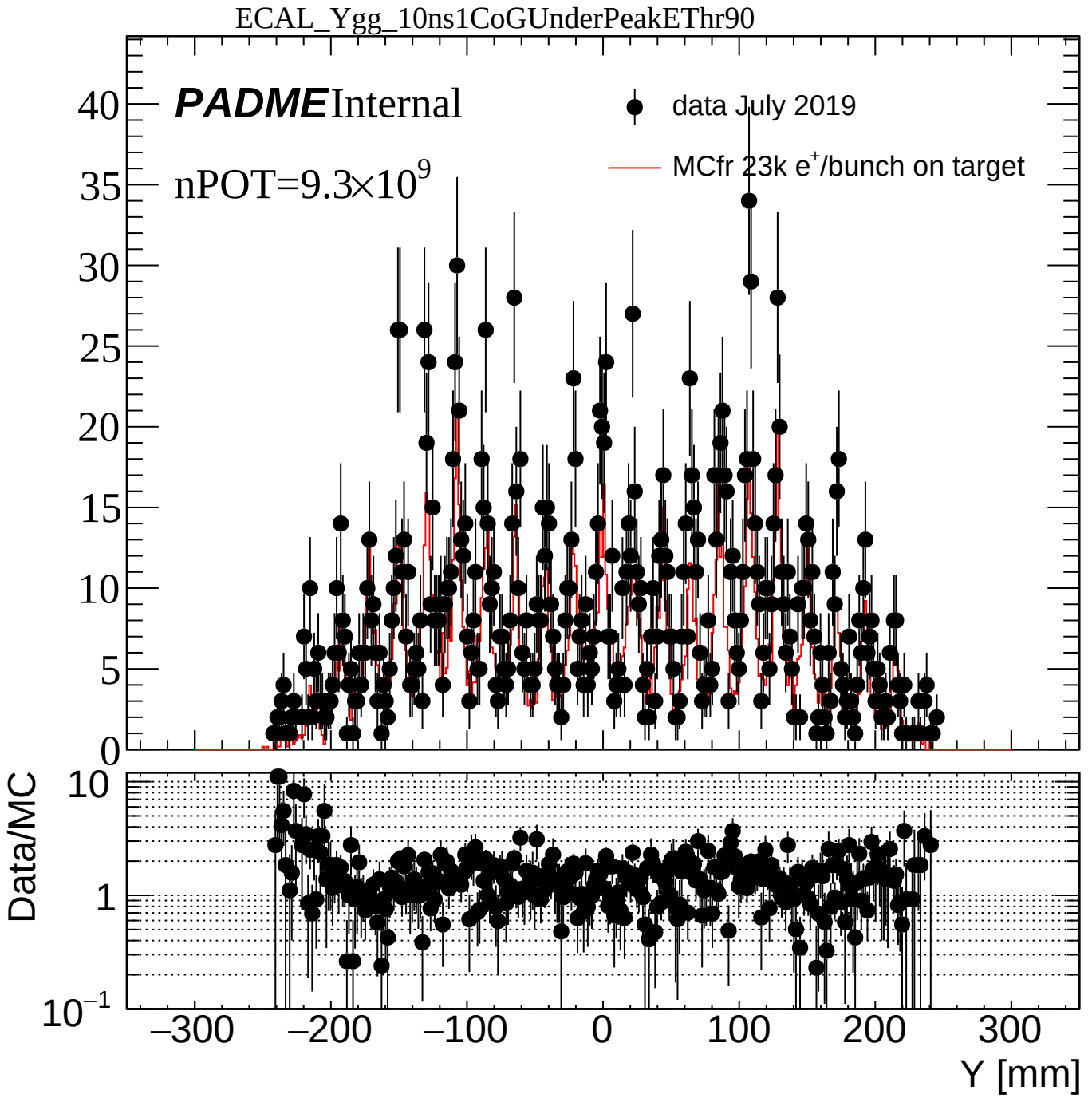

ECAL_Ygg_10ns3CoGUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
100
80
60
40
20
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]

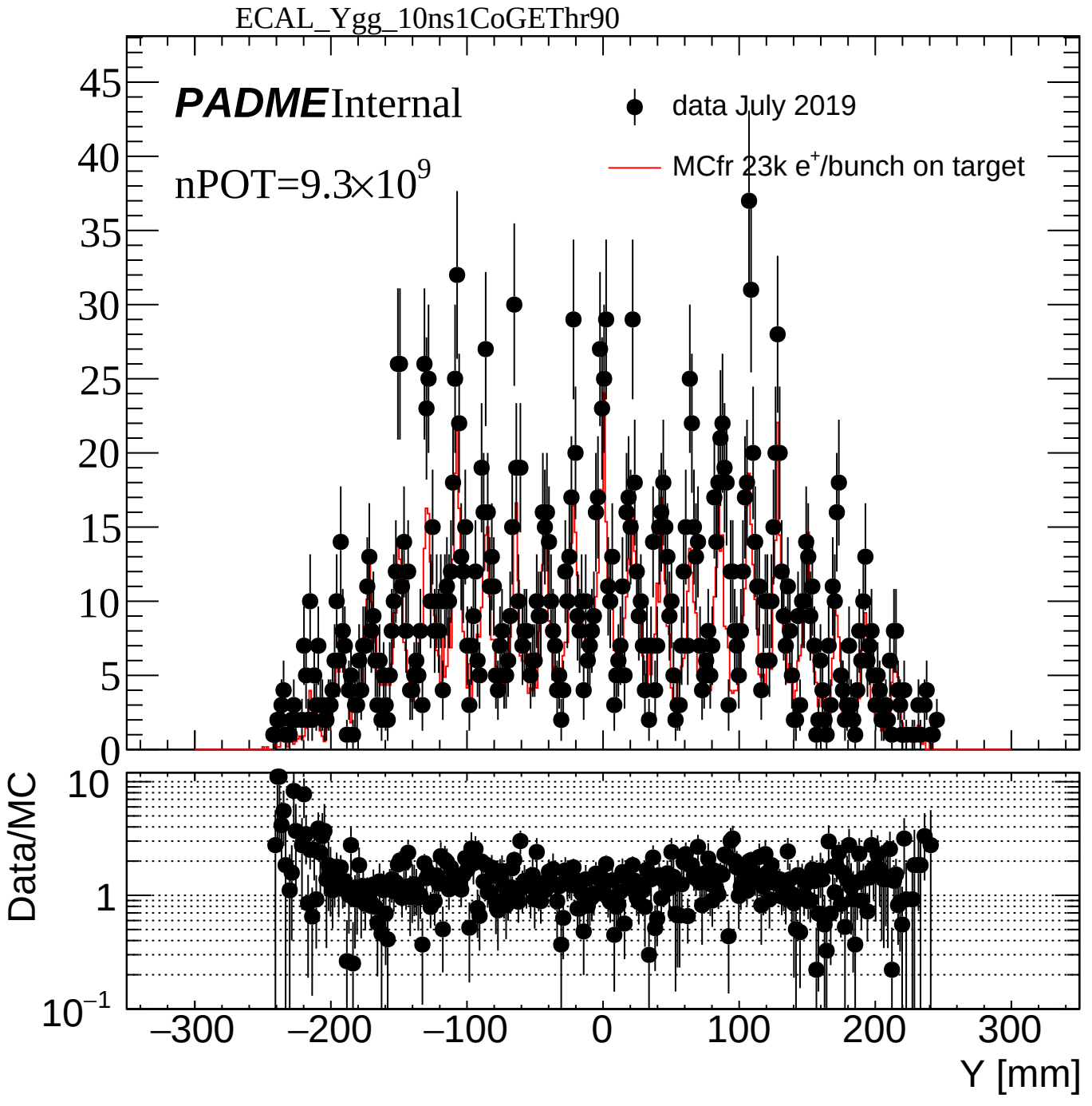

ECAL_Ygg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Y [mm]

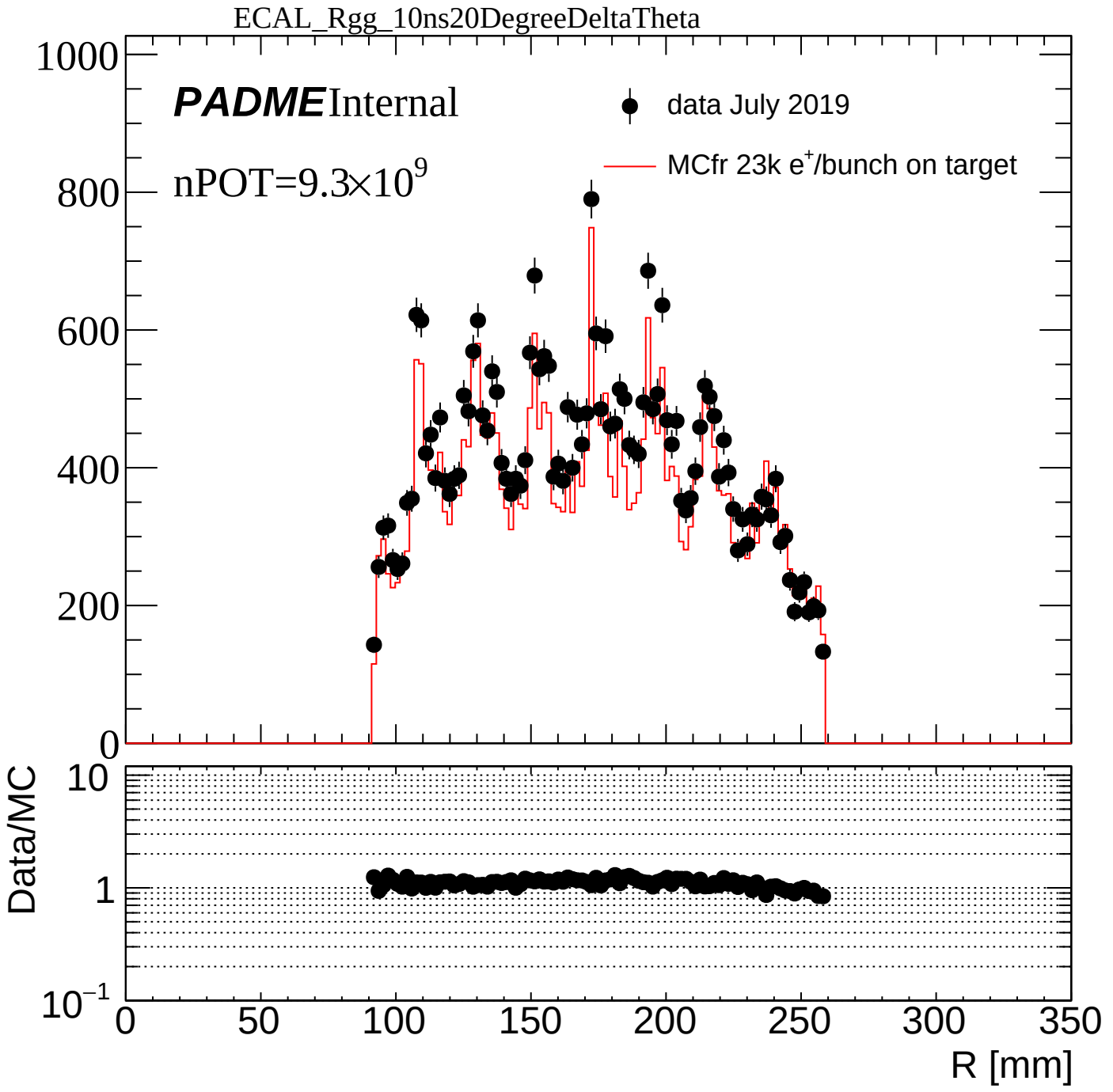

ECAL_Ygg_10ns3CoGEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]

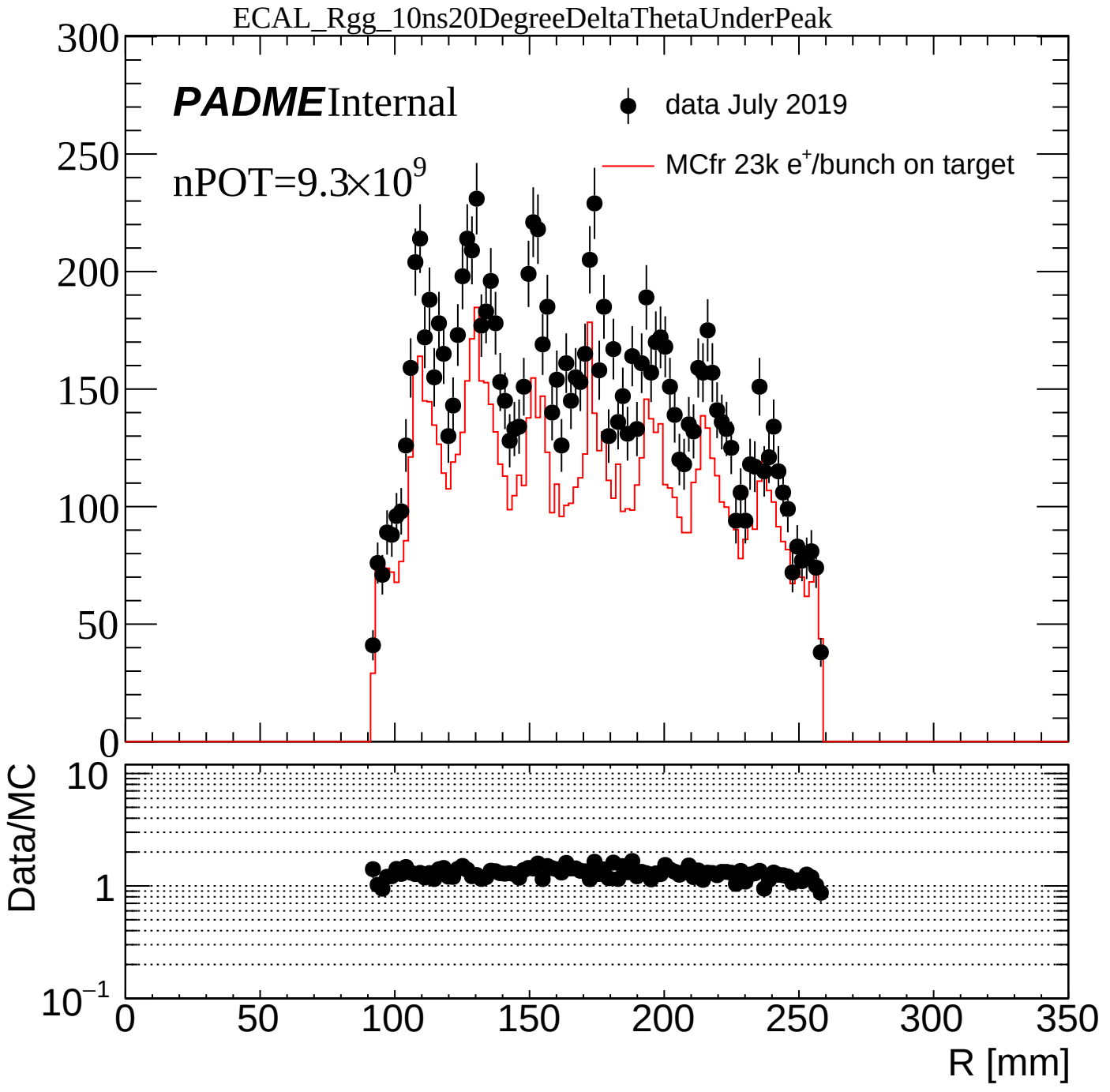

ECAL_Ygg_10ns1CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Y [mm]

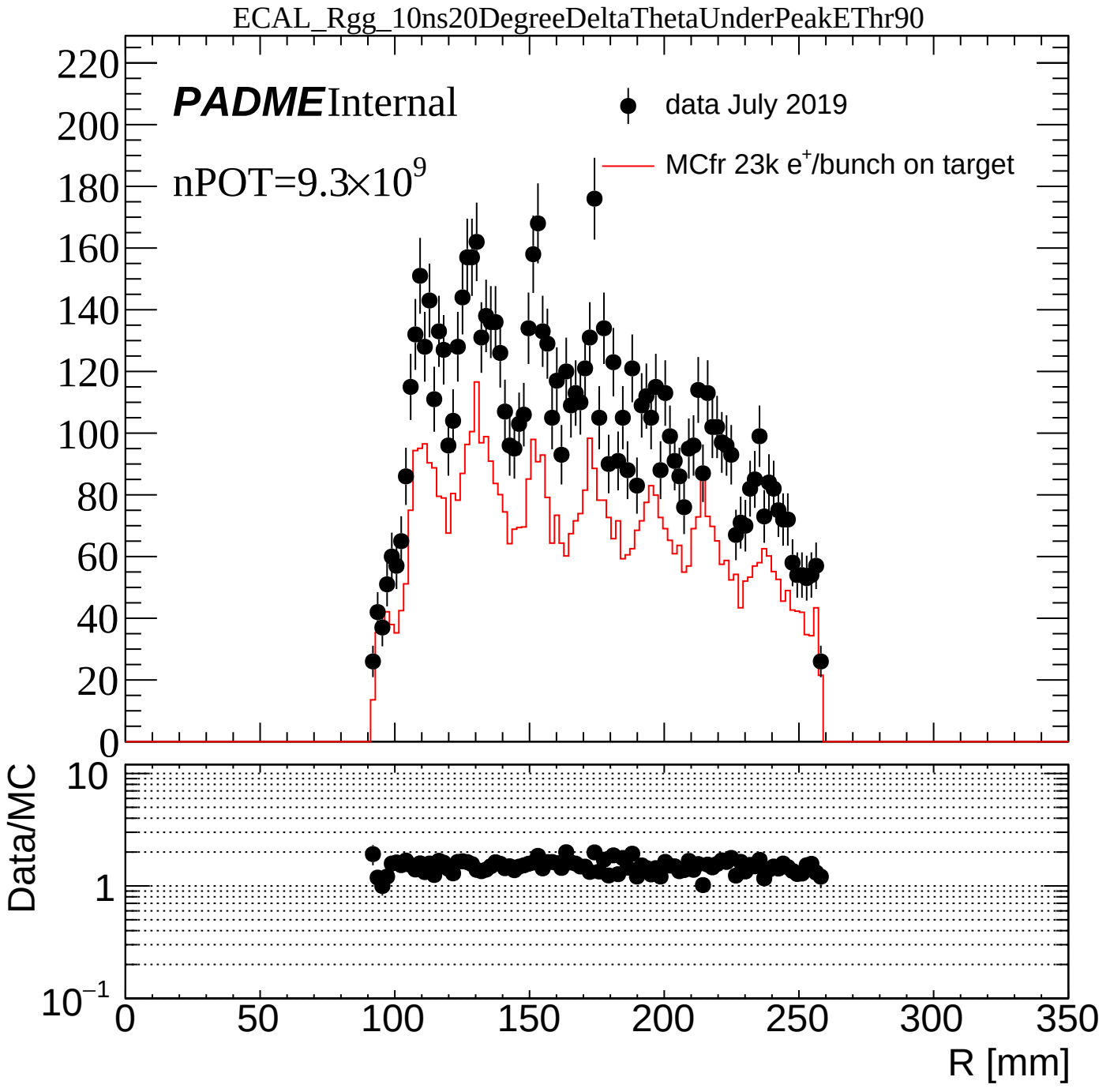

ECAL_Ygg_10ns1CoGUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Y [mm]

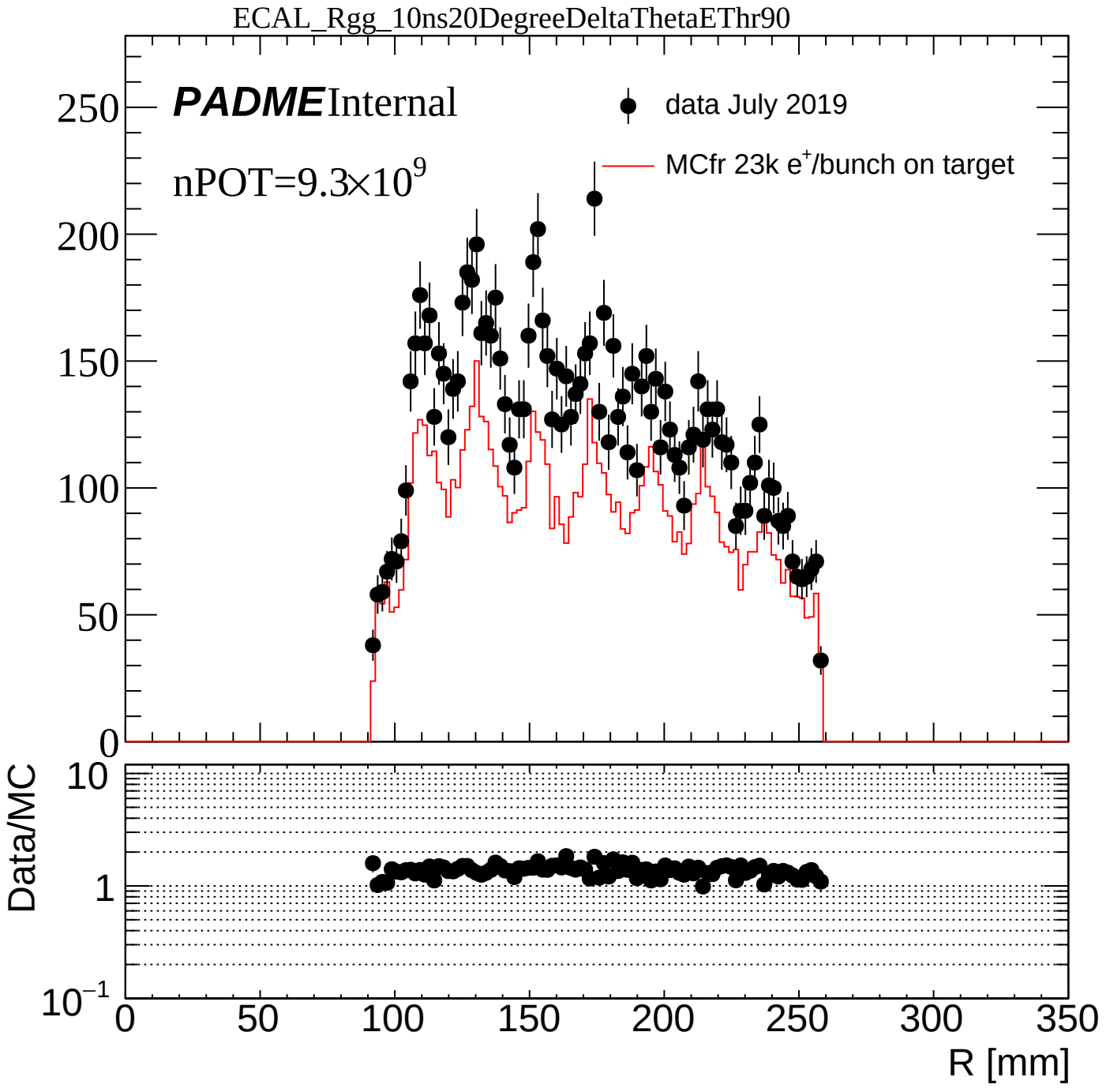

ECAL_Ygg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
Y [mm]


ECAL_Ygg_10ns1CoGEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
45
40
35
30
25
20
15
10
5
0
Data/MC
10
1
10^−1
–300
–200
–100
0
100
200
300
Y [mm]


ECAL_Rgg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
1000
800
600
400
200
0
Data/MC
10
1
10^−1
0
50
100
150
200
250
300
350
R [mm]


ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
50
0
Data/MC
10
1
10^−1
0
50
100
150
200
250
300
350
R [mm]


ECAL_Rgg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
R [mm]


ECAL_Rgg_10ns20DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
250
200
150
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50
0
Data/MC
10
1
10^−1
0
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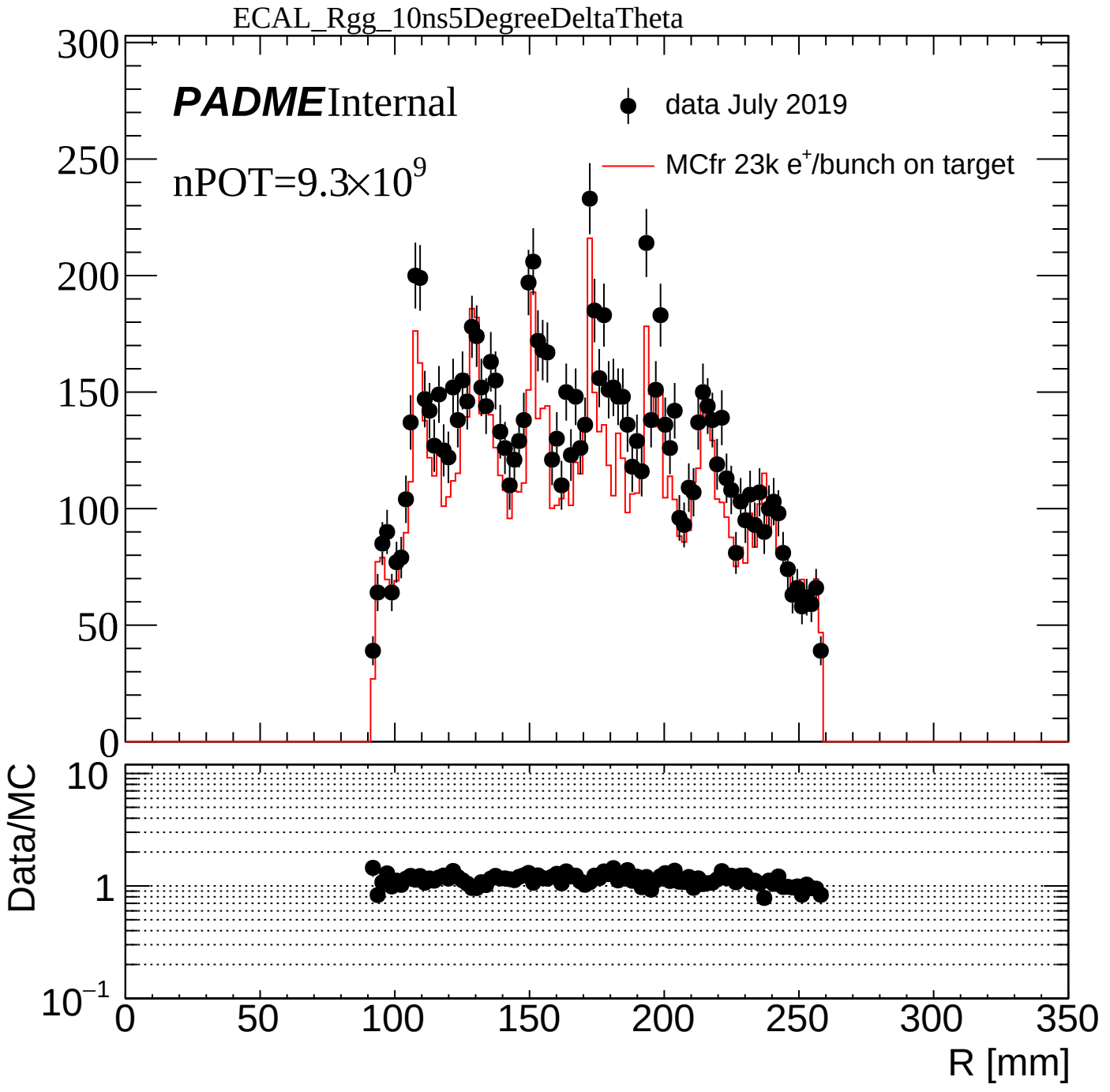
100
150
200
250
300
350
R [mm]


ECAL_Rgg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
300
250
200
150
100
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0
Data/MC
10
1
10^−1
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50
100
150
200
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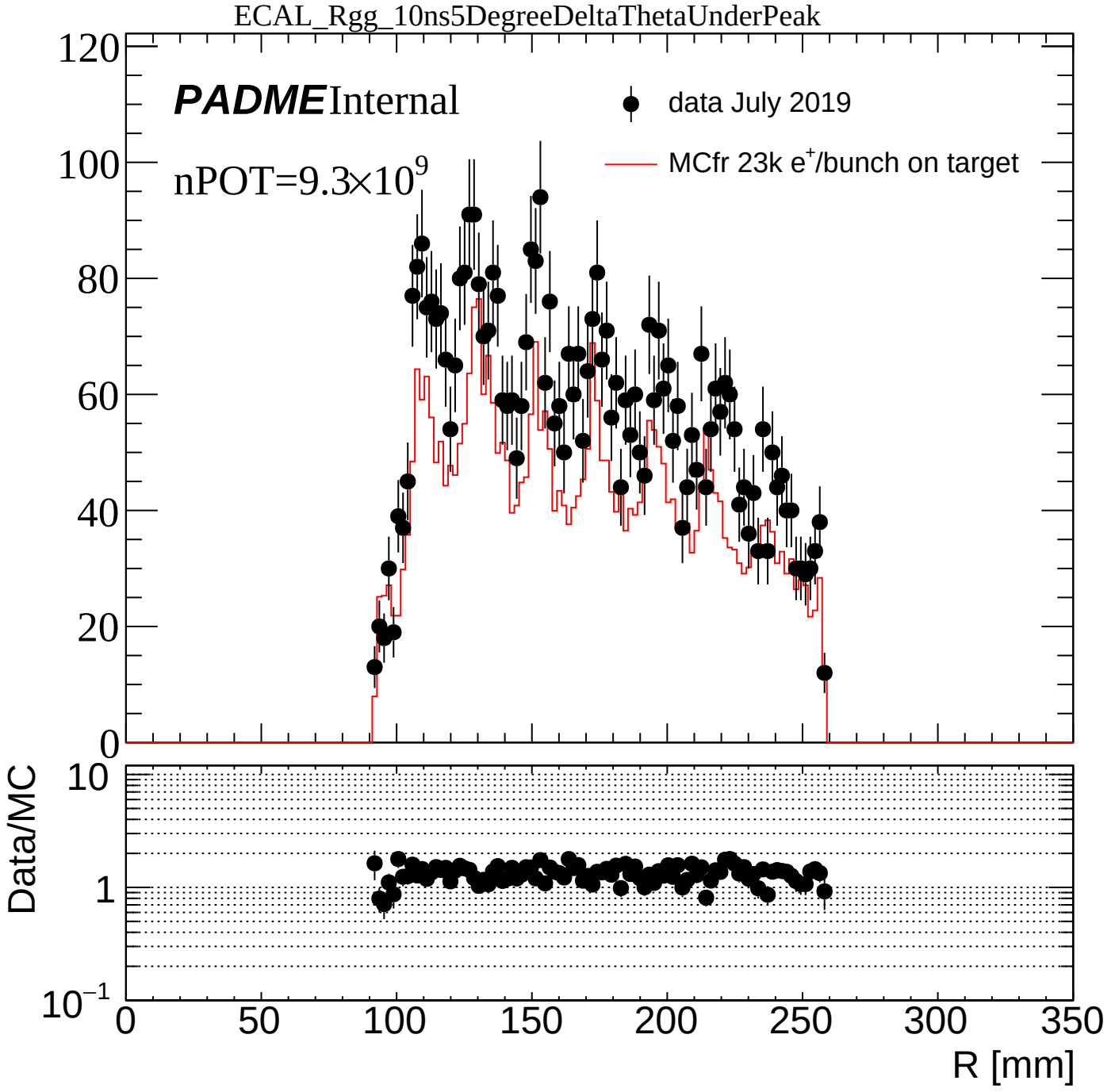
300
350
R [mm]


ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
80
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0
Data/MC
10
1
10^−1
0
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100
150
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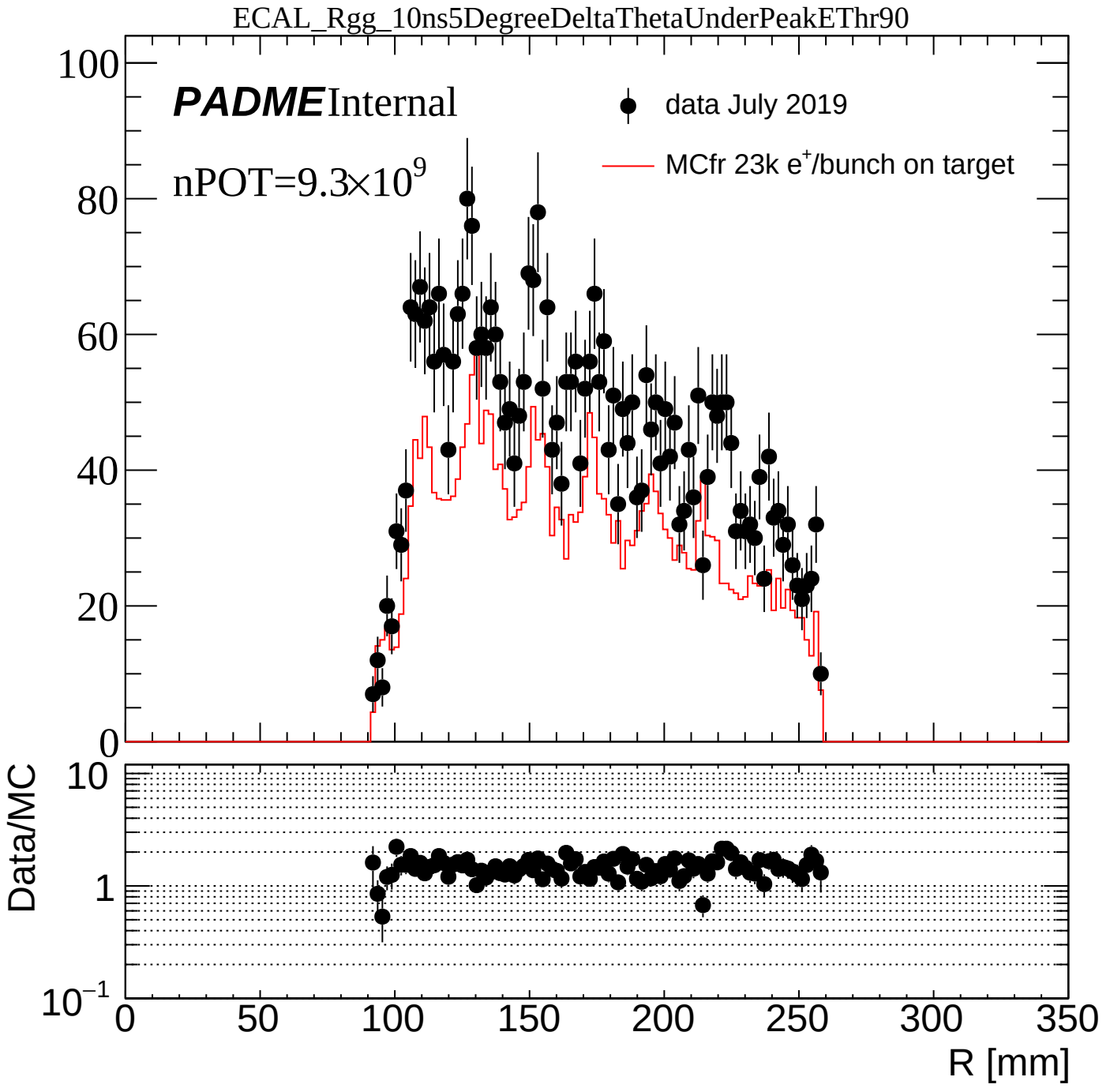
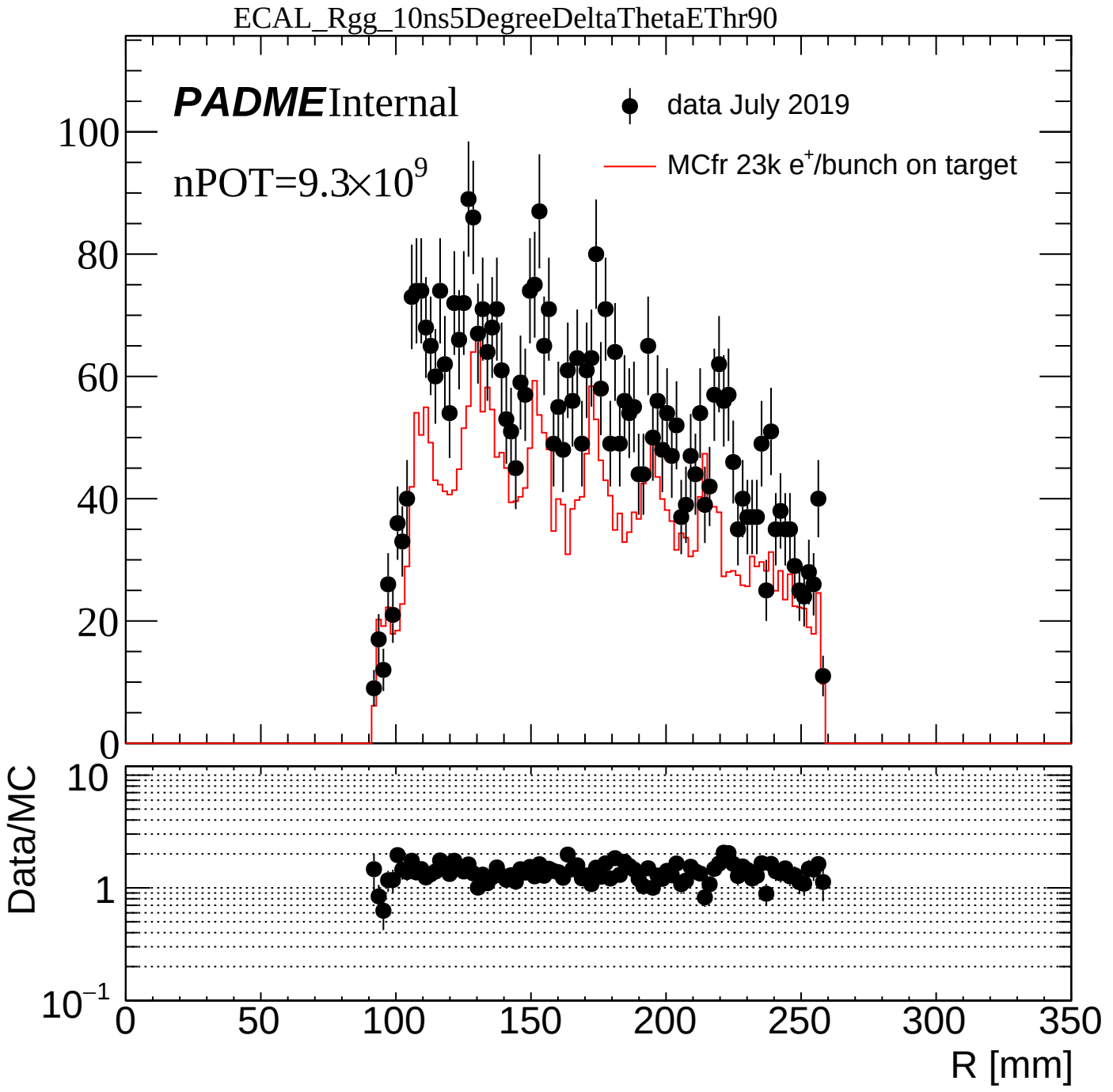
300
350
R [mm]


ECAL_Rgg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
R [mm]
100
80
60
40
20
0
10
1
10^−1
0
50
100
150
200
250
300
350


ECAL_Rgg_10ns5DegreeDeltaThetaEThr90
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data July 2019
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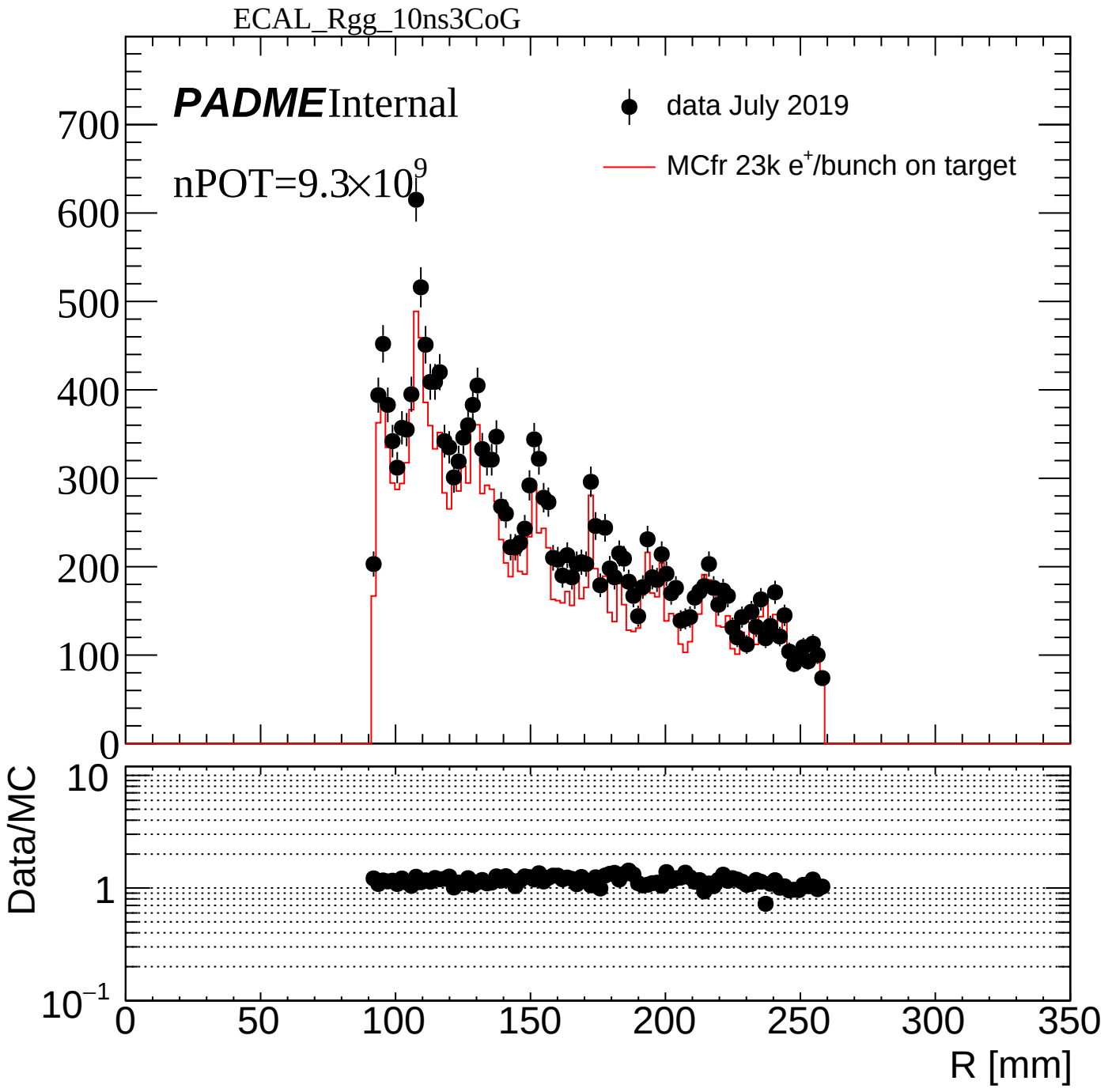
Data/MC
R [mm]


ECAL_Rgg_10ns3CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
700
600
500
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0
Data/MC
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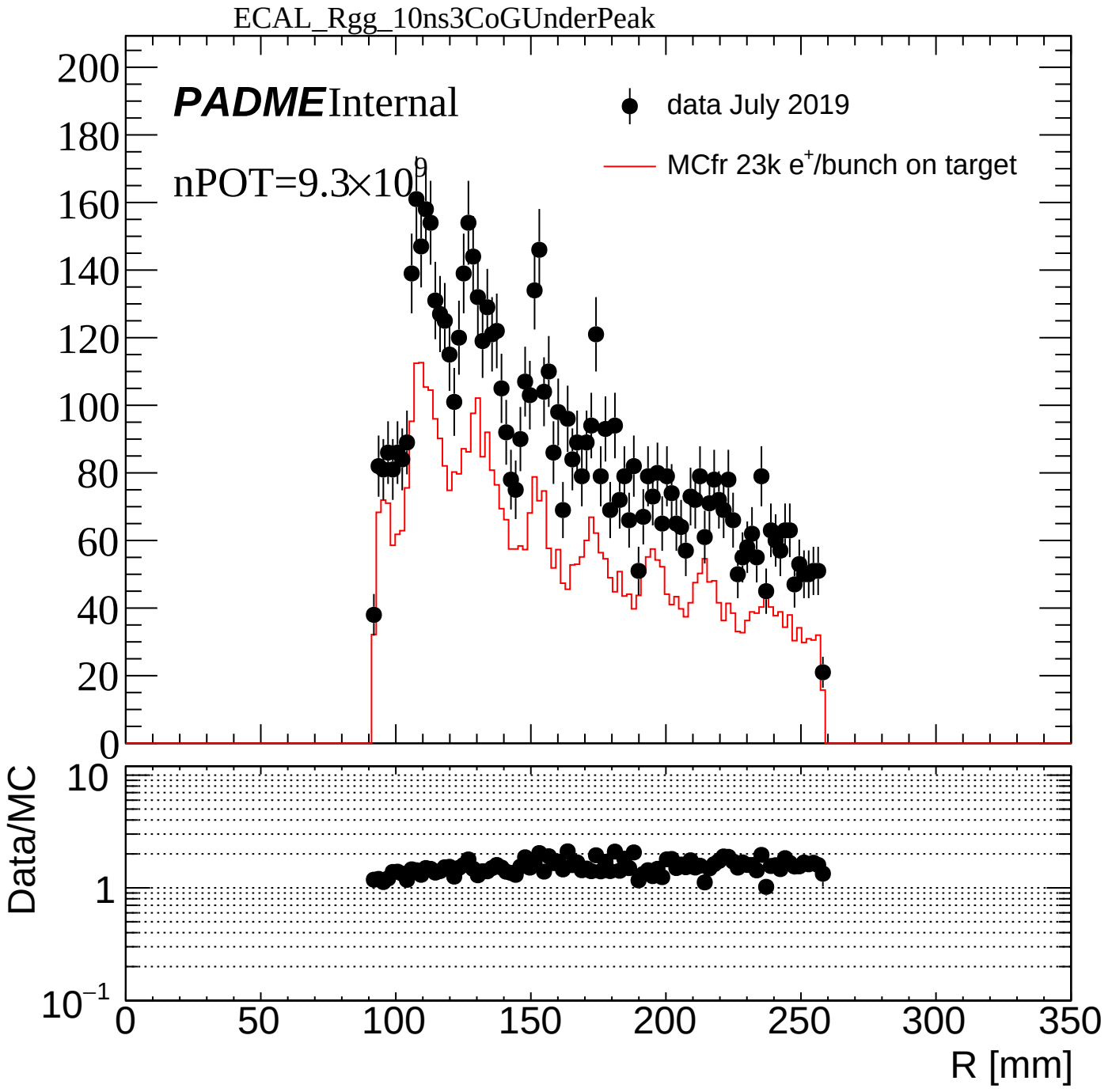
1
10^−1
0
50
100
150
200
250
300
350
R [mm]


ECAL_Rgg_10ns3CoGUnderPeak
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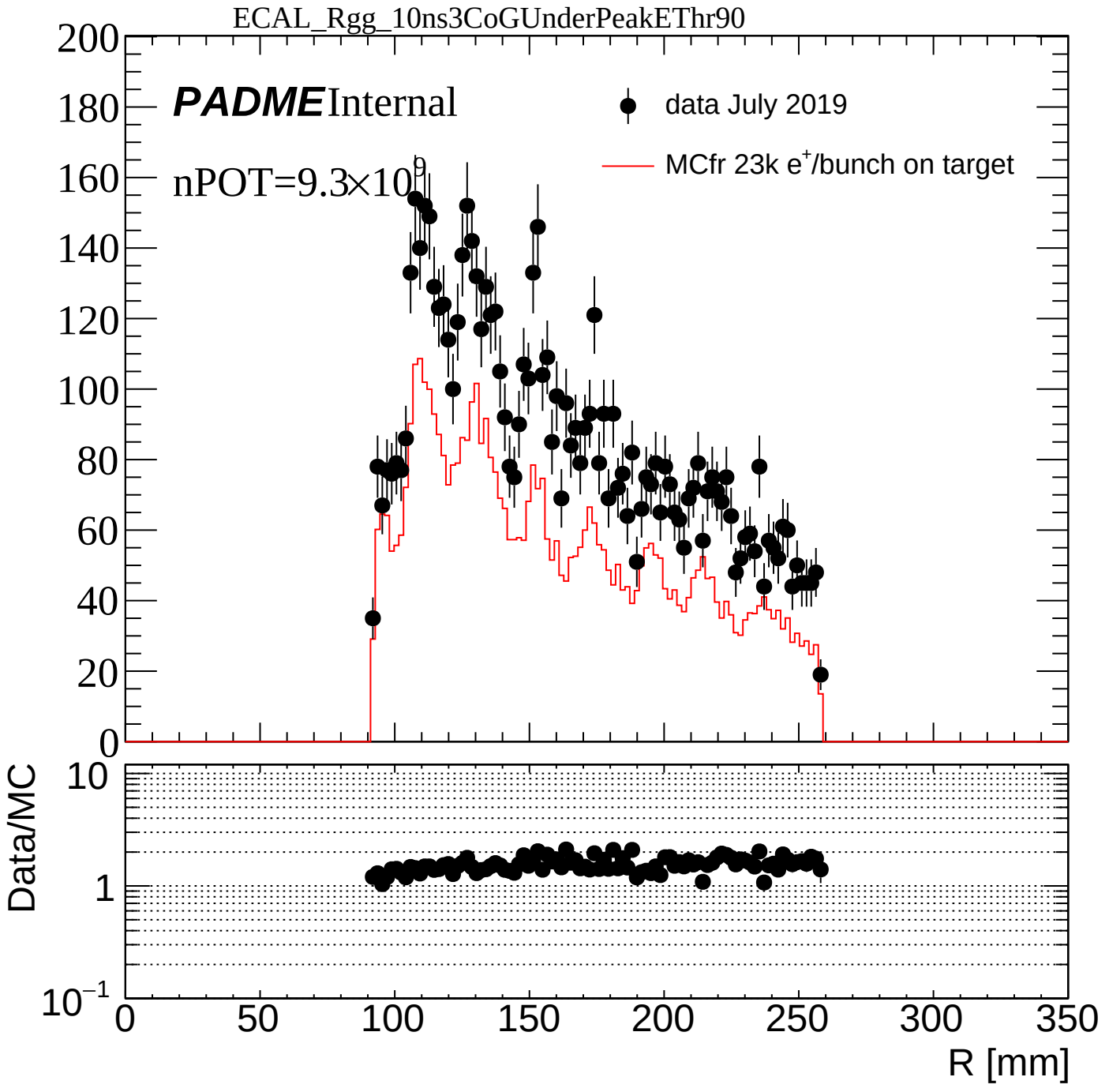
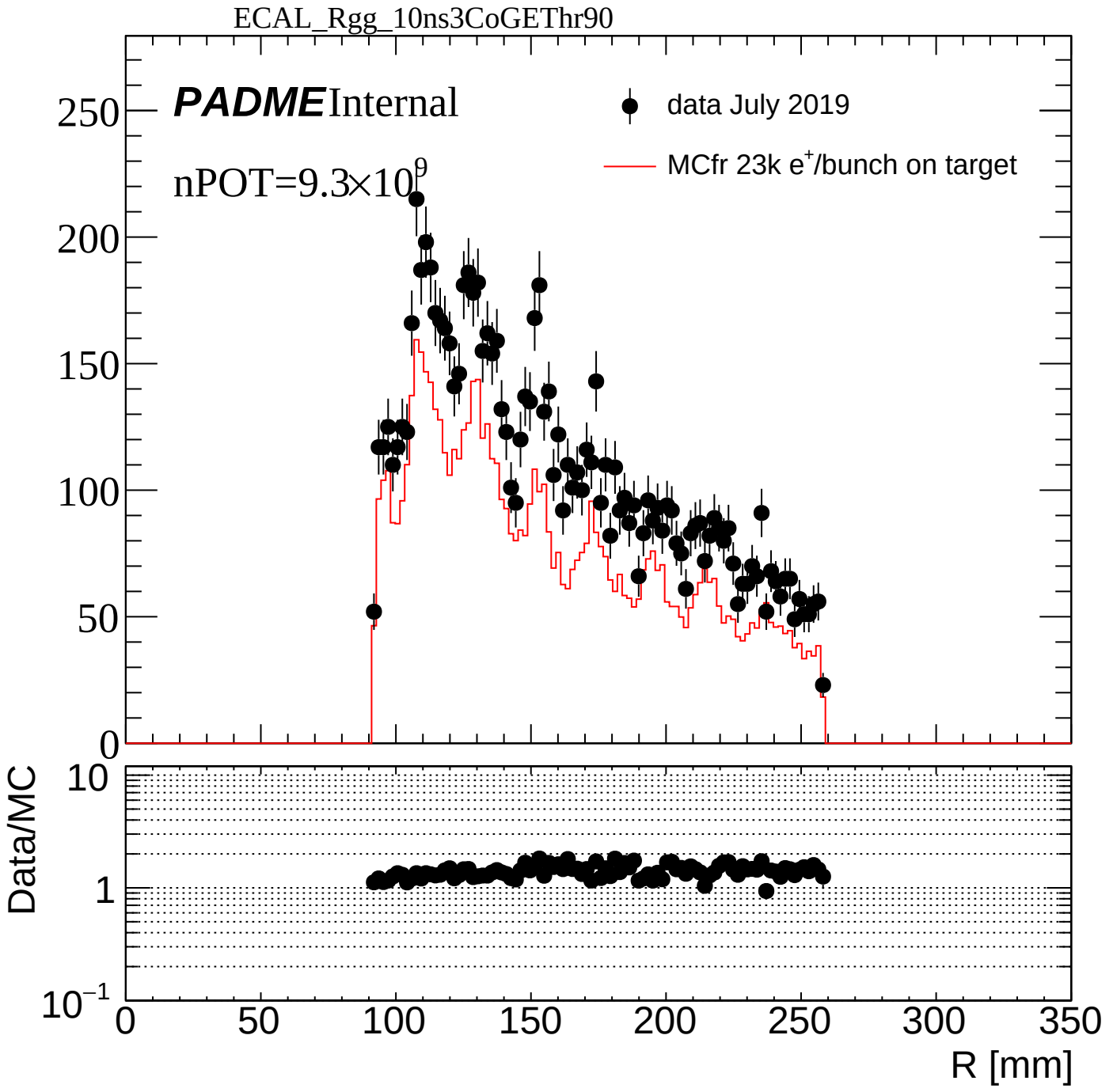
MCfr 23k e+/bunch on target
Data/MC
R [mm]


ECAL_Rgg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
R [mm]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PADME Internal
data July 2019
MCfr 23k e+/bunch on target
nPOT=9.3×10^9
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Data/MC
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1
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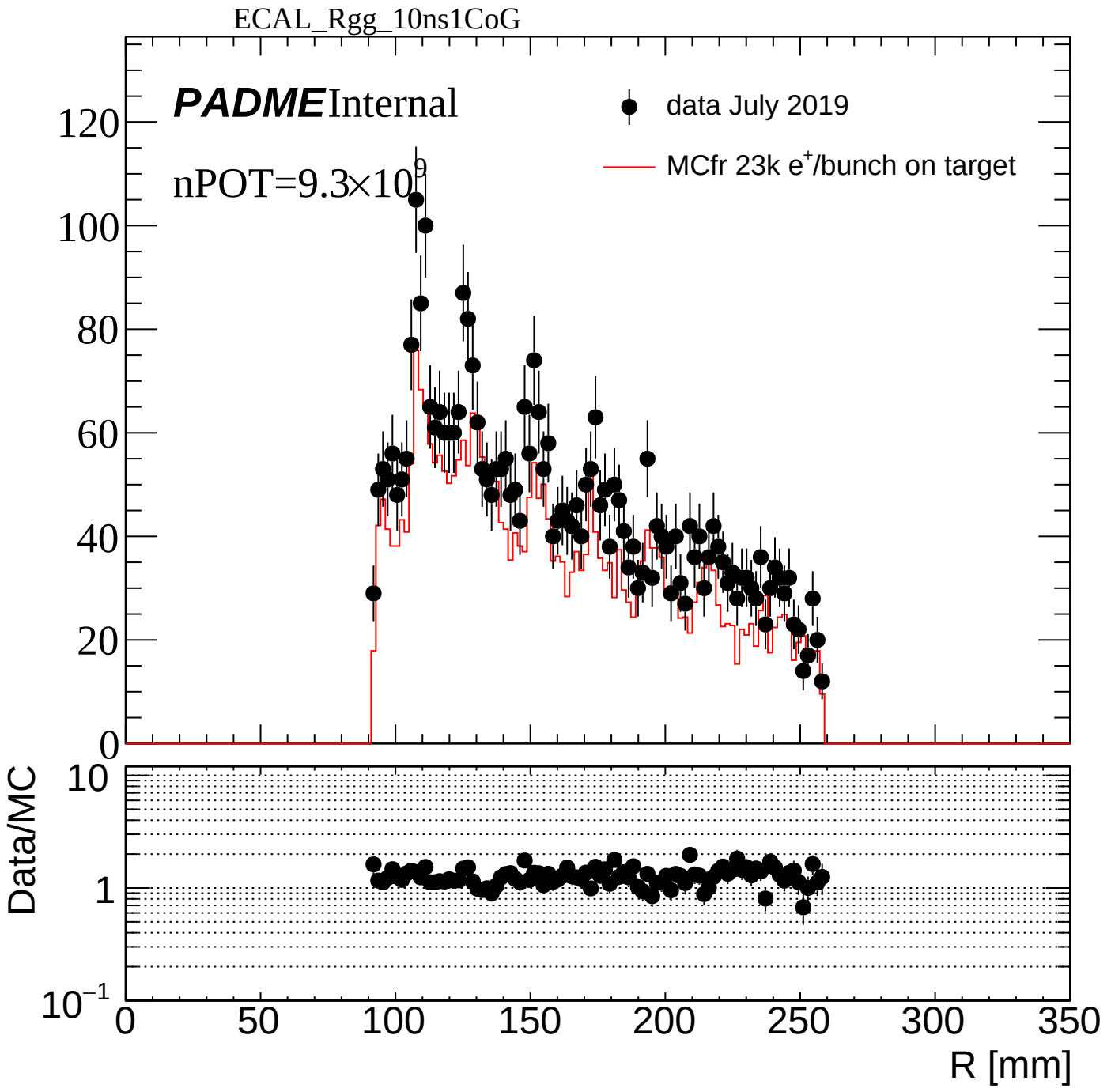
R [mm]


ECAL_Rgg_10ns1CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
120
100
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40
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0
Data/MC
10
1
10^−1
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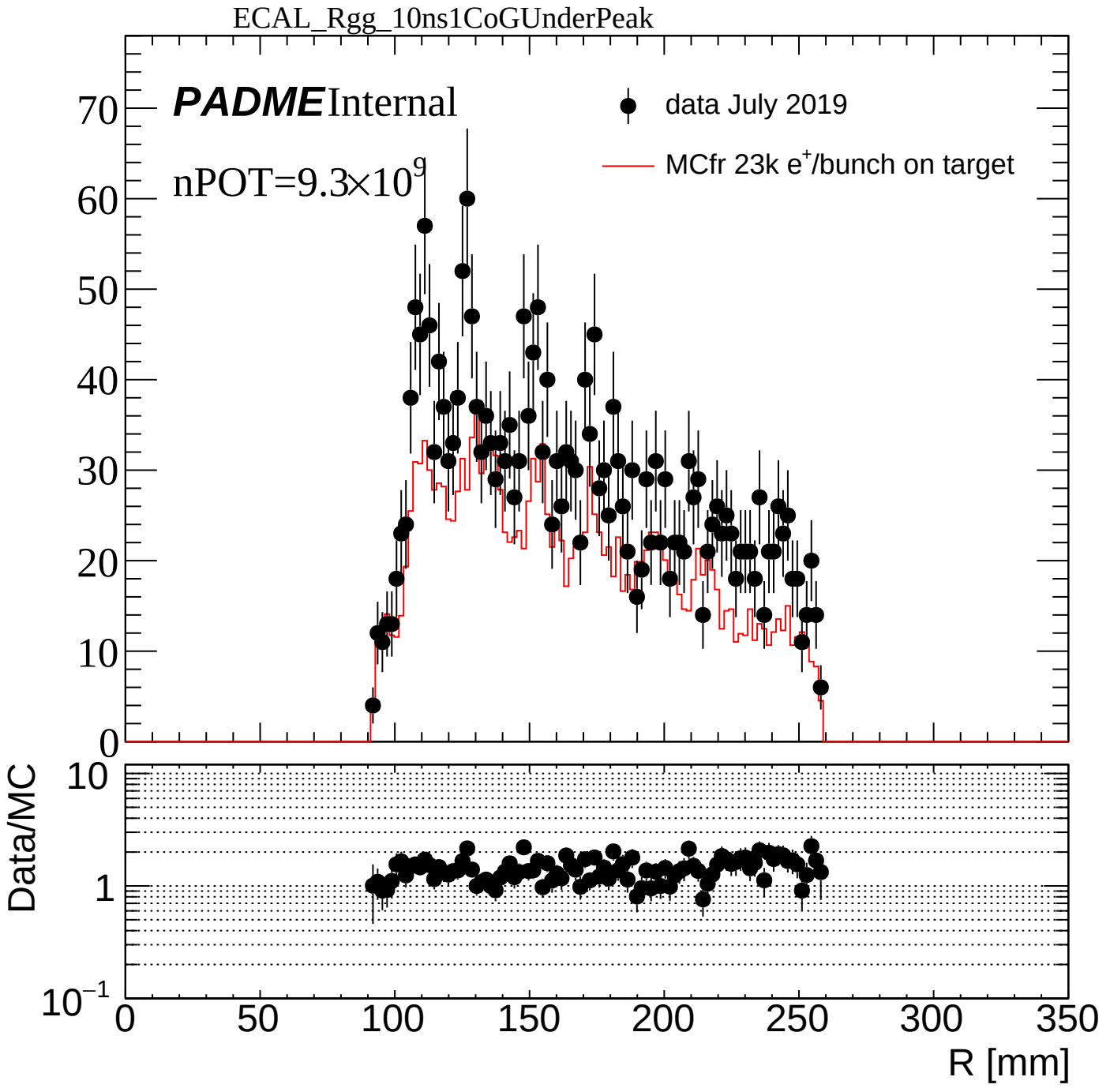
100
150
200
250
300
350
R [mm]


ECAL_Rgg_10ns1CoGUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
70
60
50
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20
10
0
Data/MC
10
1
10^−1
0
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100
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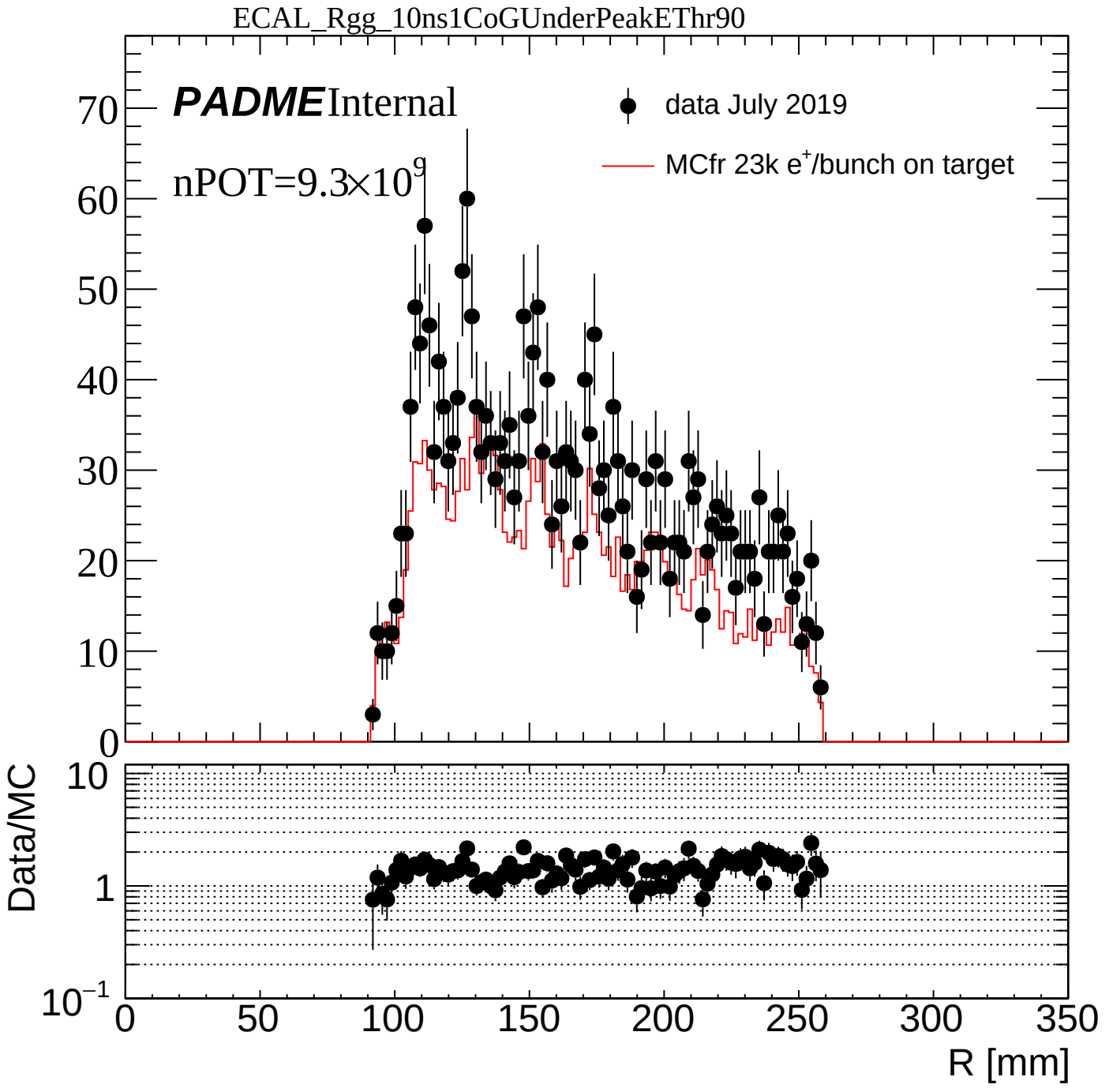
250
300
350
R [mm]


ECAL_Rgg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
R [mm]
0
10
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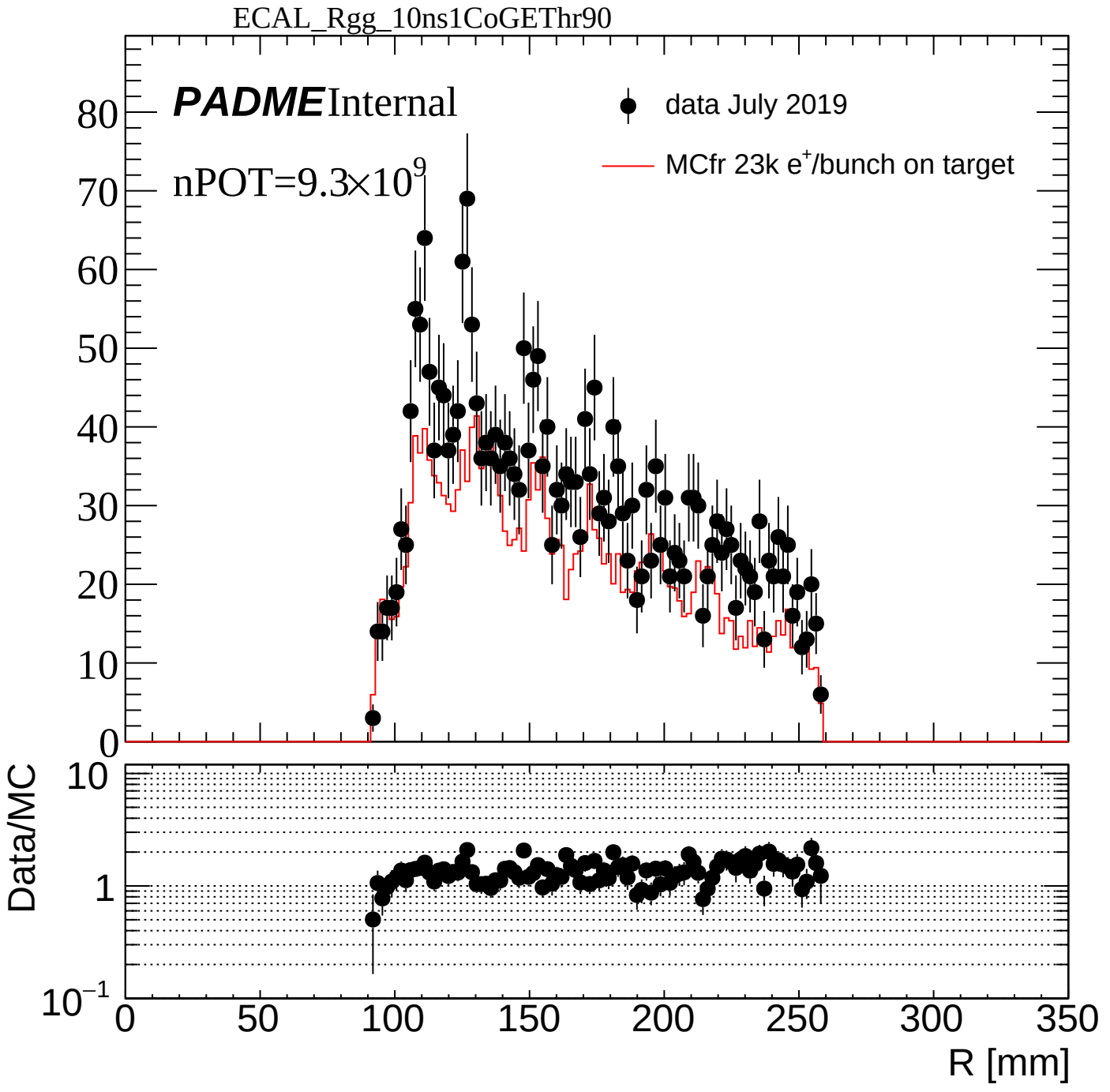
30
40
50
60
70
0
50
100
150
200
250
300
350
10
1
10^−1


ECAL_Rgg_10ns1CoGEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
R [mm]
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50
60
70
80
0
50
100
150
200
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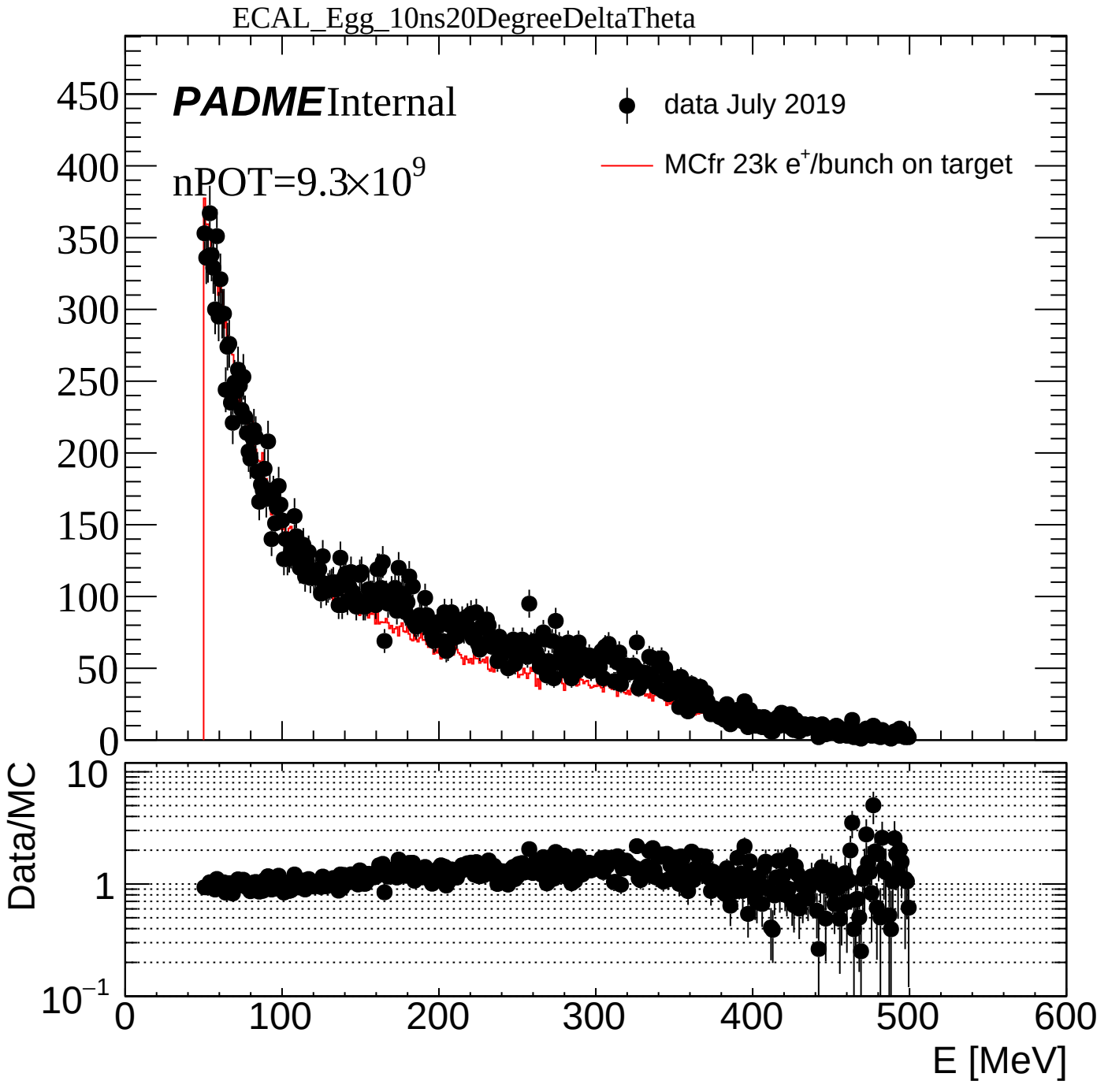
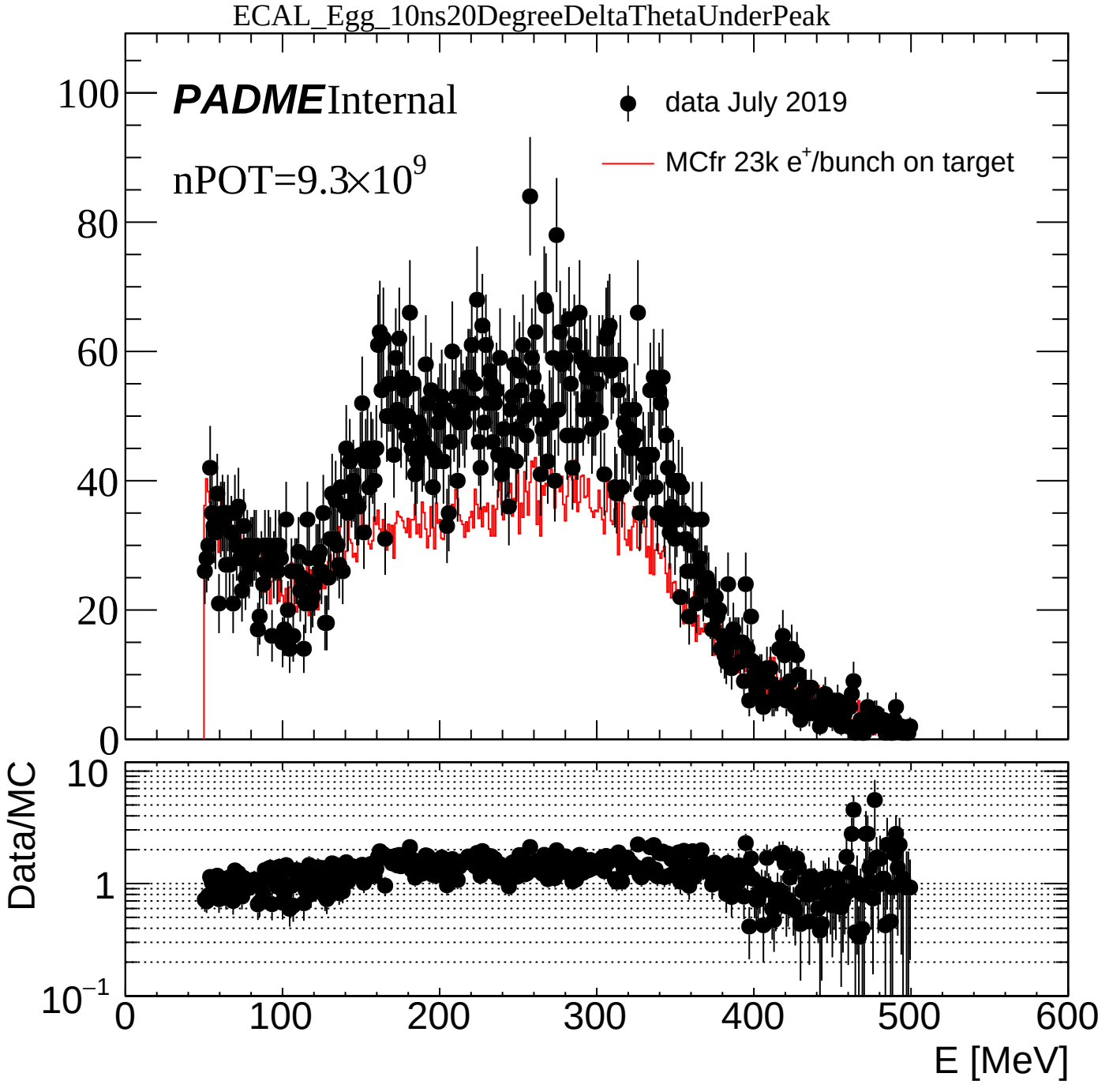
300
350
10
1
10^−1


ECAL_Egg_10ns20DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


ECAL_Egg_10ns20DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
0
20
40
60
80
100
10
1
10^−1
0
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300
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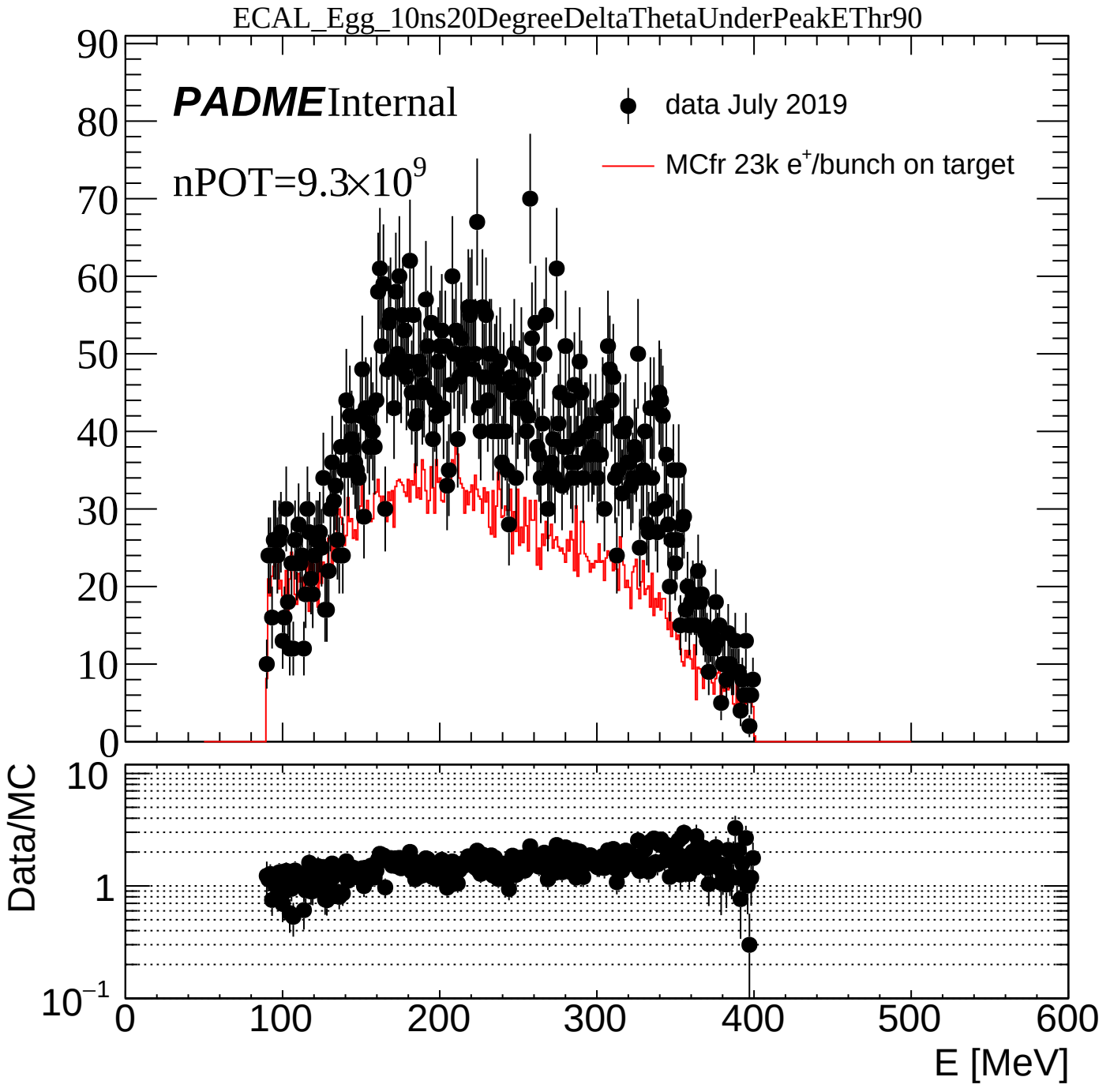
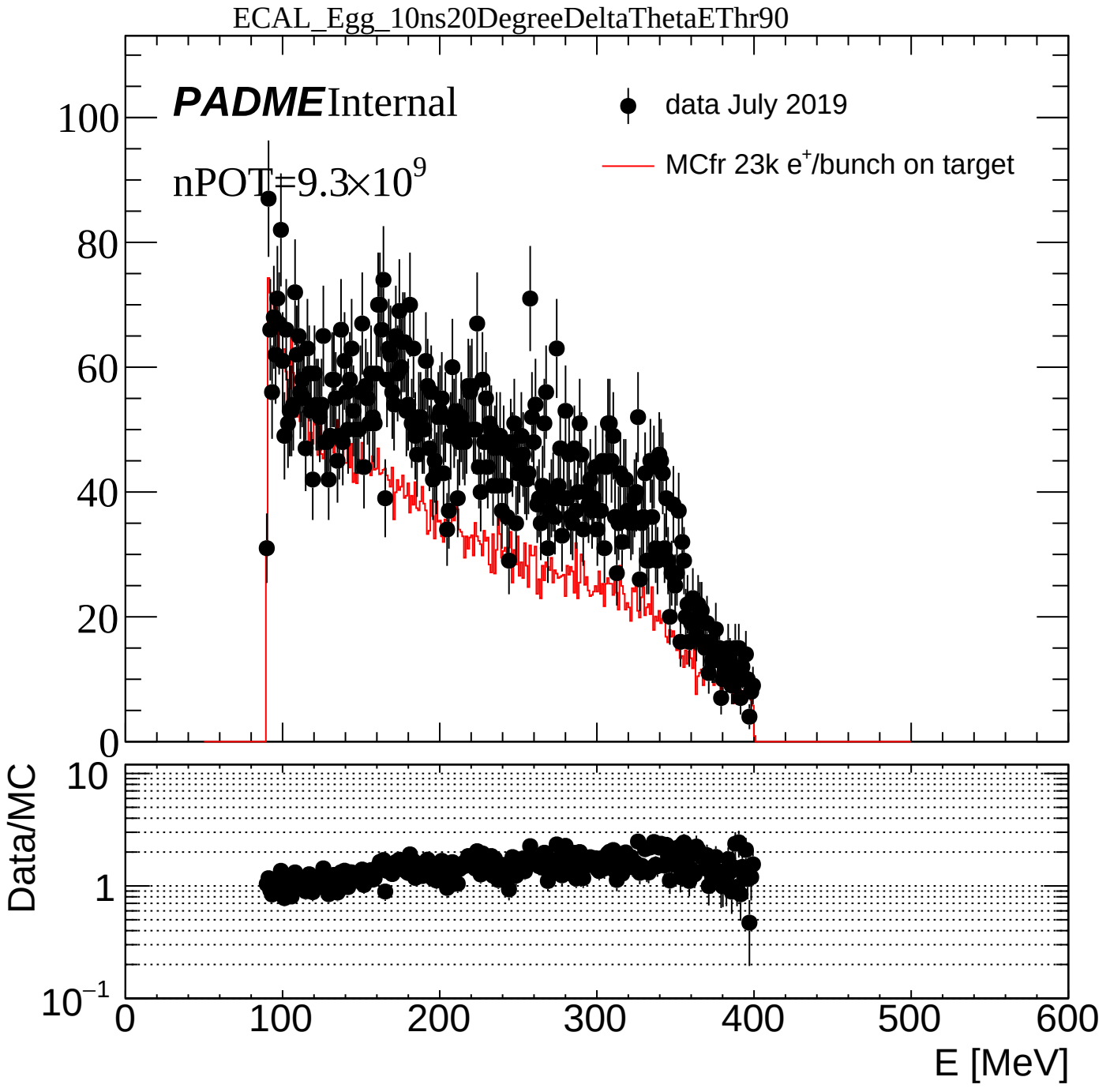
500
600


ECAL_Egg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


ECAL_Egg_10ns20DegreeDeltaThetaEThr90
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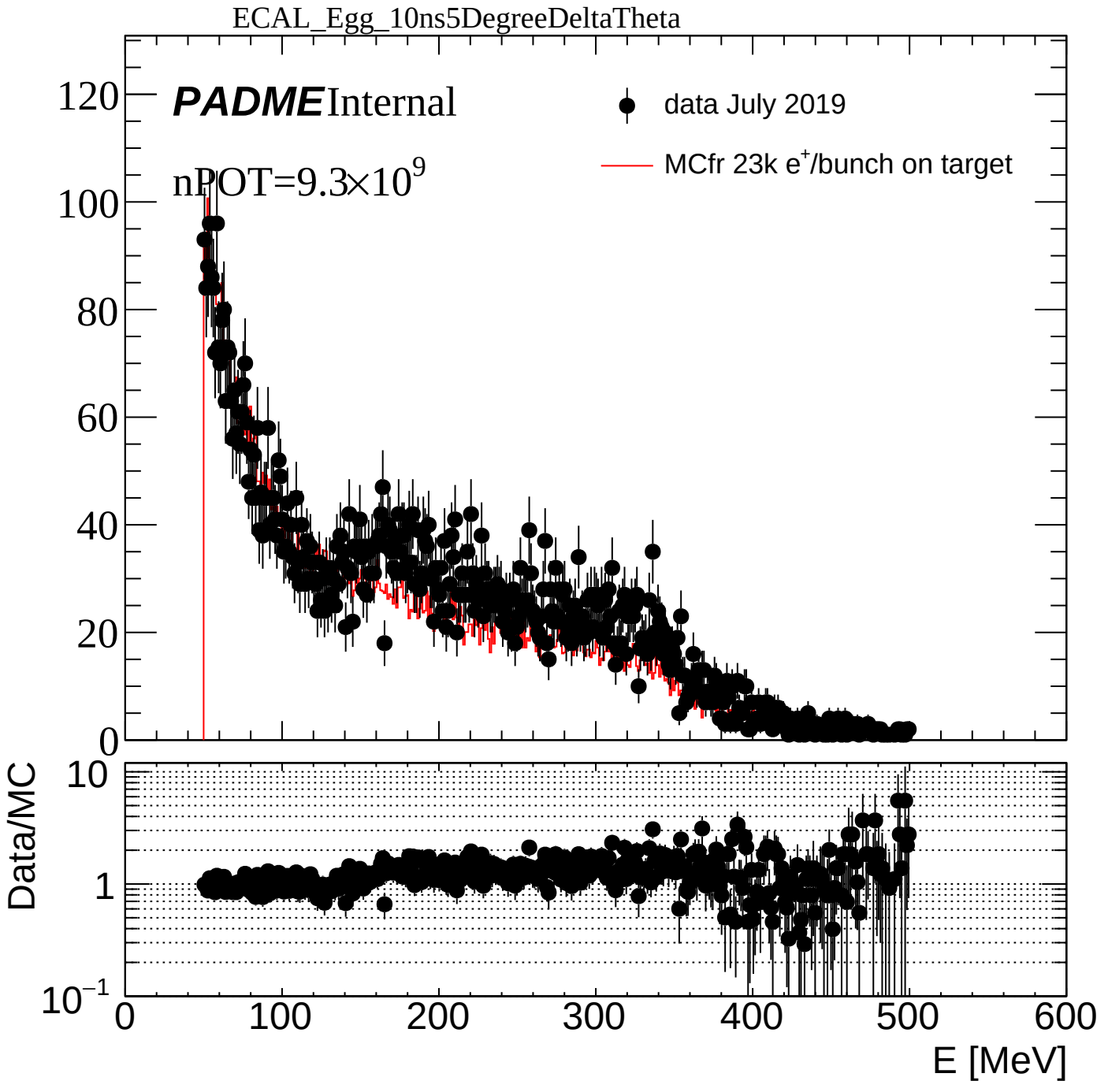
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


ECAL_Egg_10ns5DegreeDeltaTheta
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
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100
120
10
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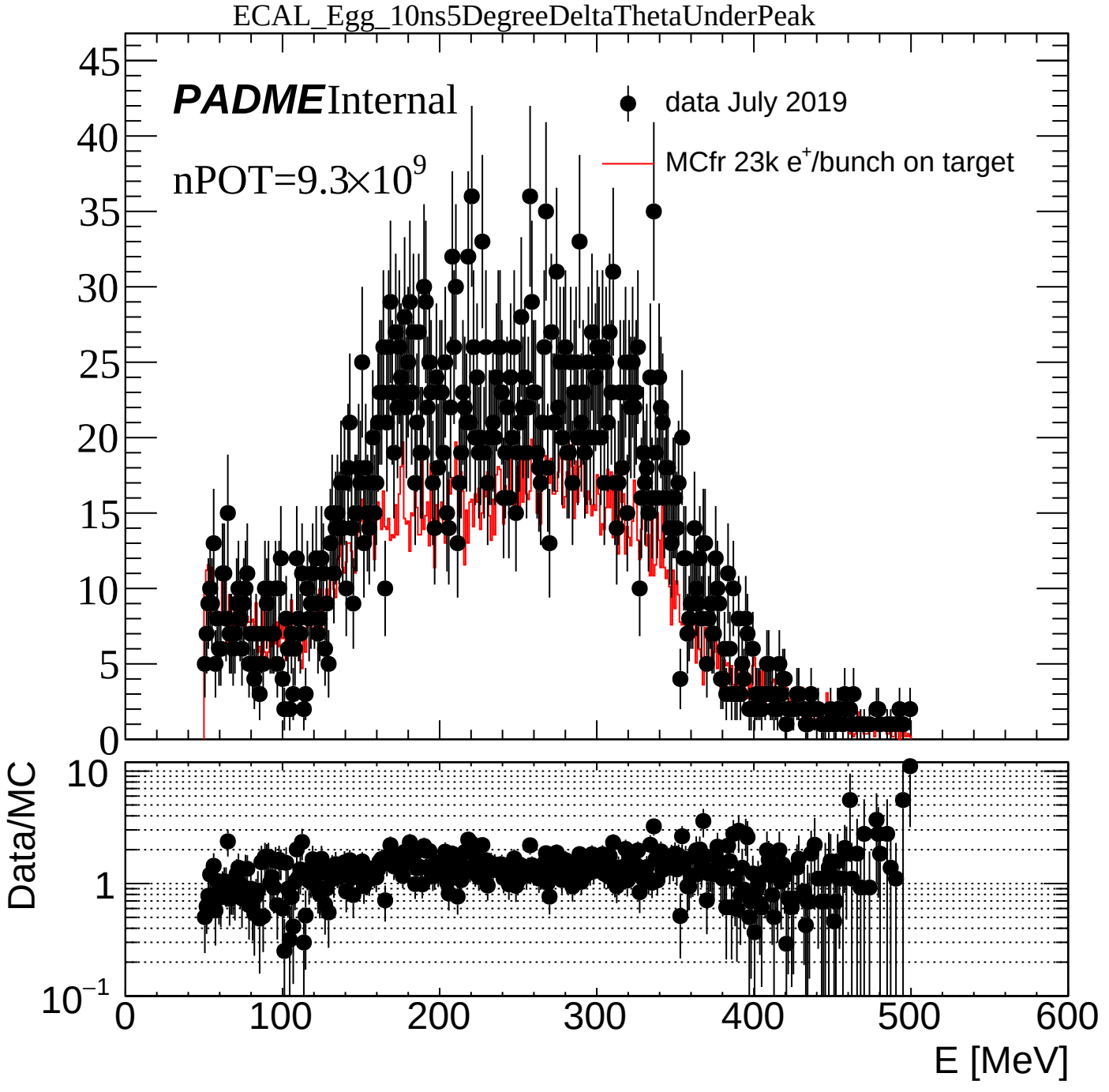
ECAL_Egg_10ns5DegreeDeltaThetaUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
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5
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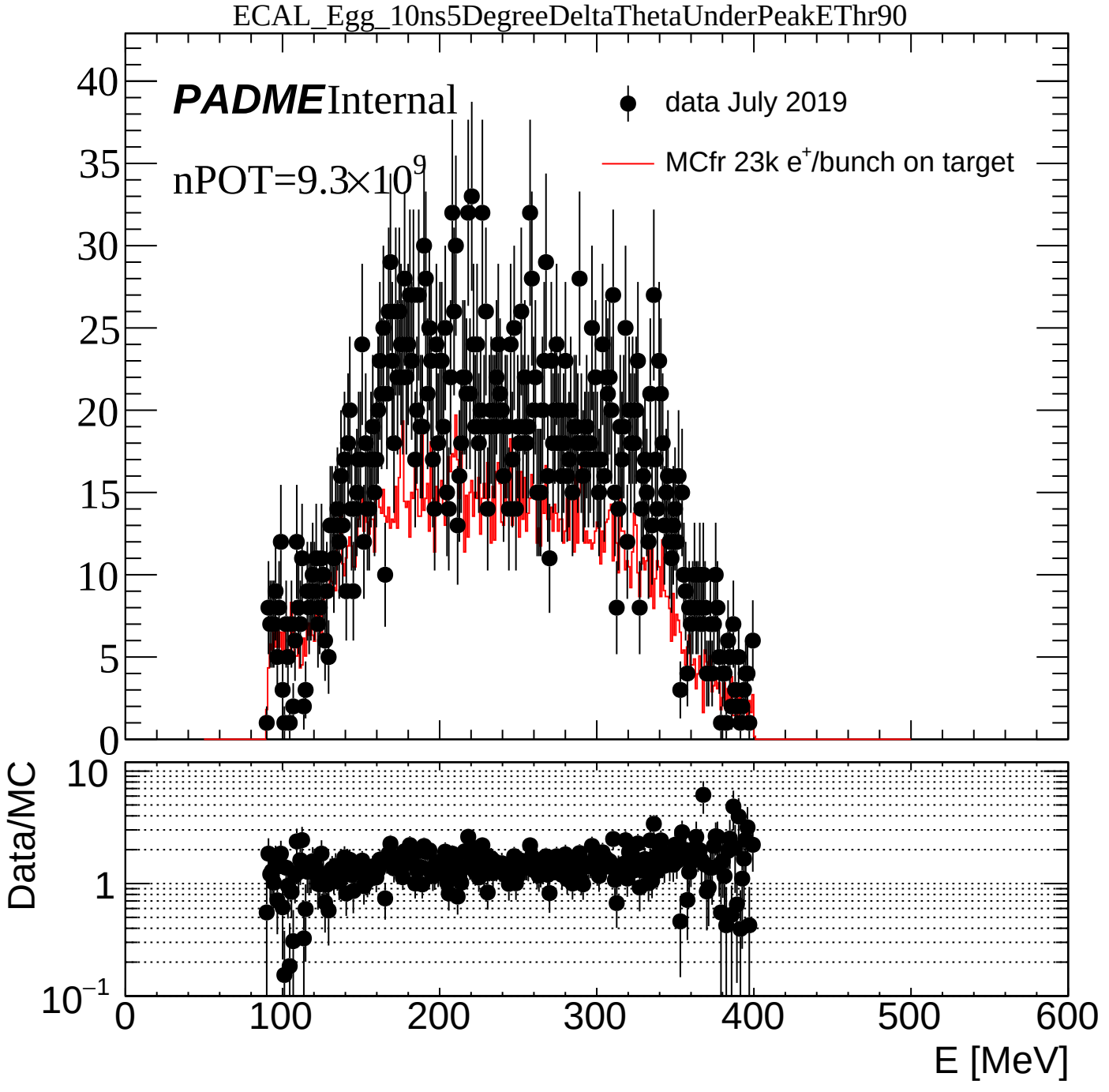
15
20
25
30
35
40
45
100
200
300
400
500
600
10^−1
1
10


ECAL_Egg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
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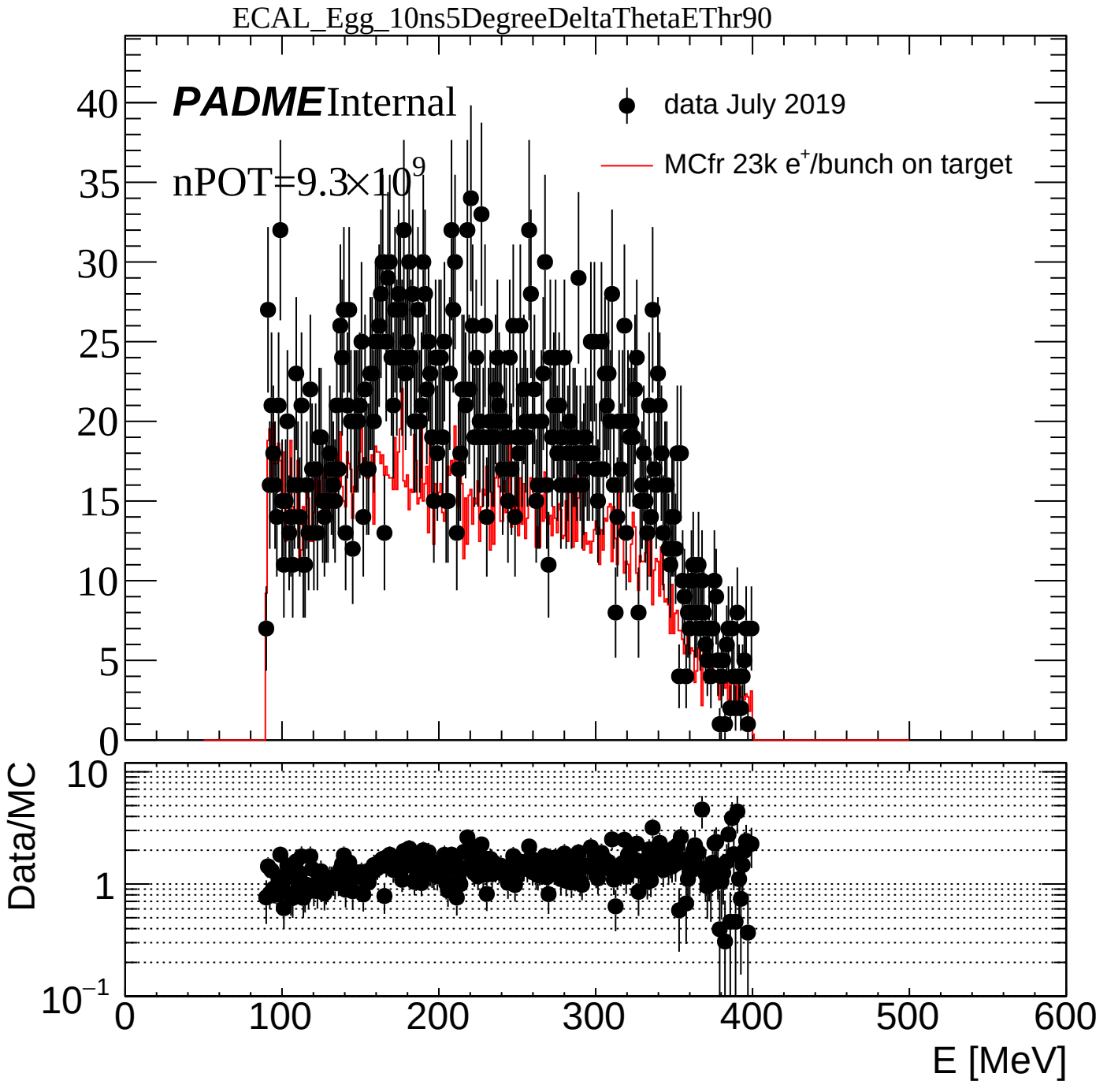
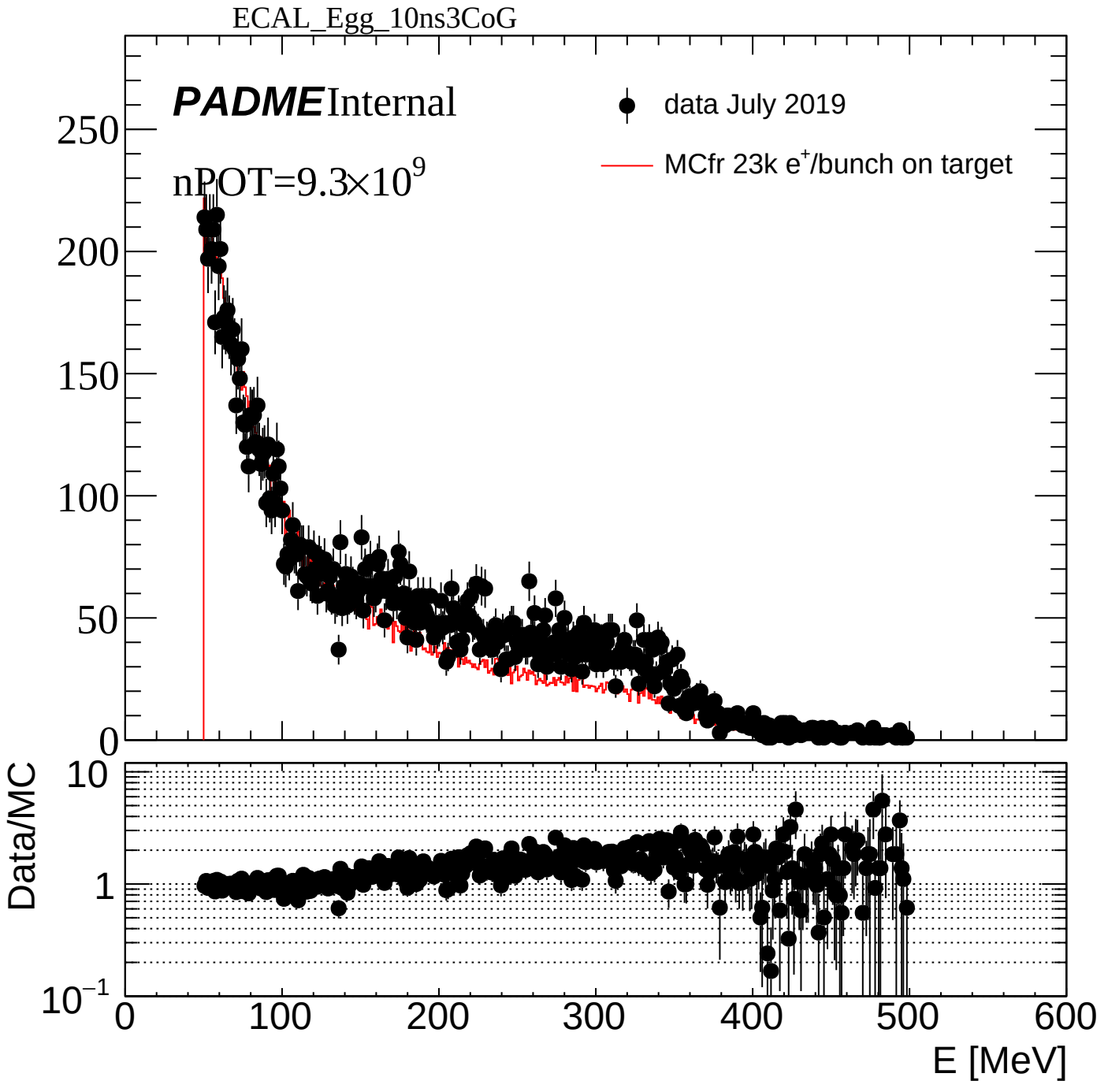
1
10^−1


ECAL_Egg_10ns5DegreeDeltaThetaEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


ECAL_Egg_10ns3CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
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Data/MC
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1
10^−1
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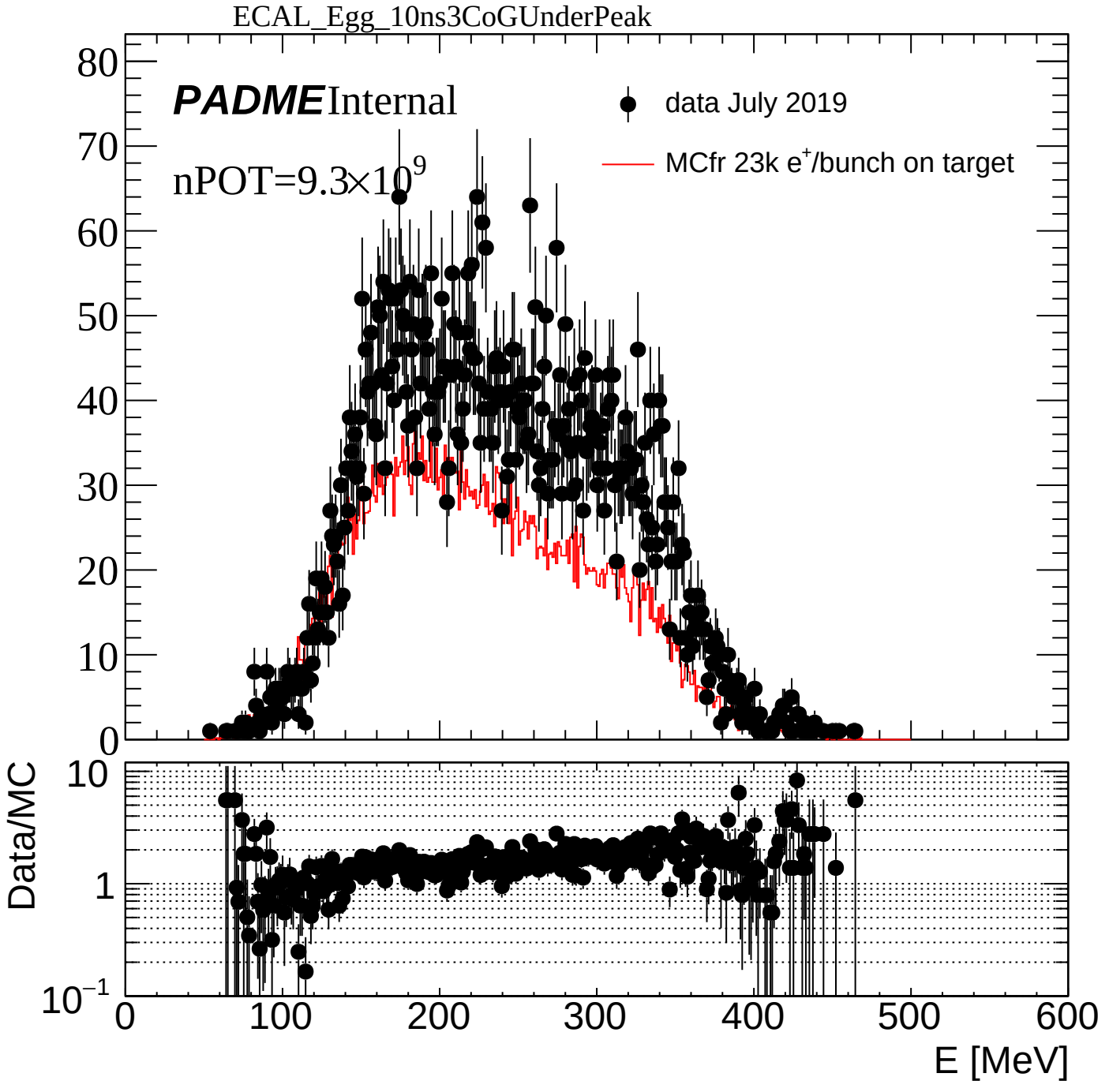
E [MeV]


ECAL_Egg_10ns3CoGUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
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30
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200
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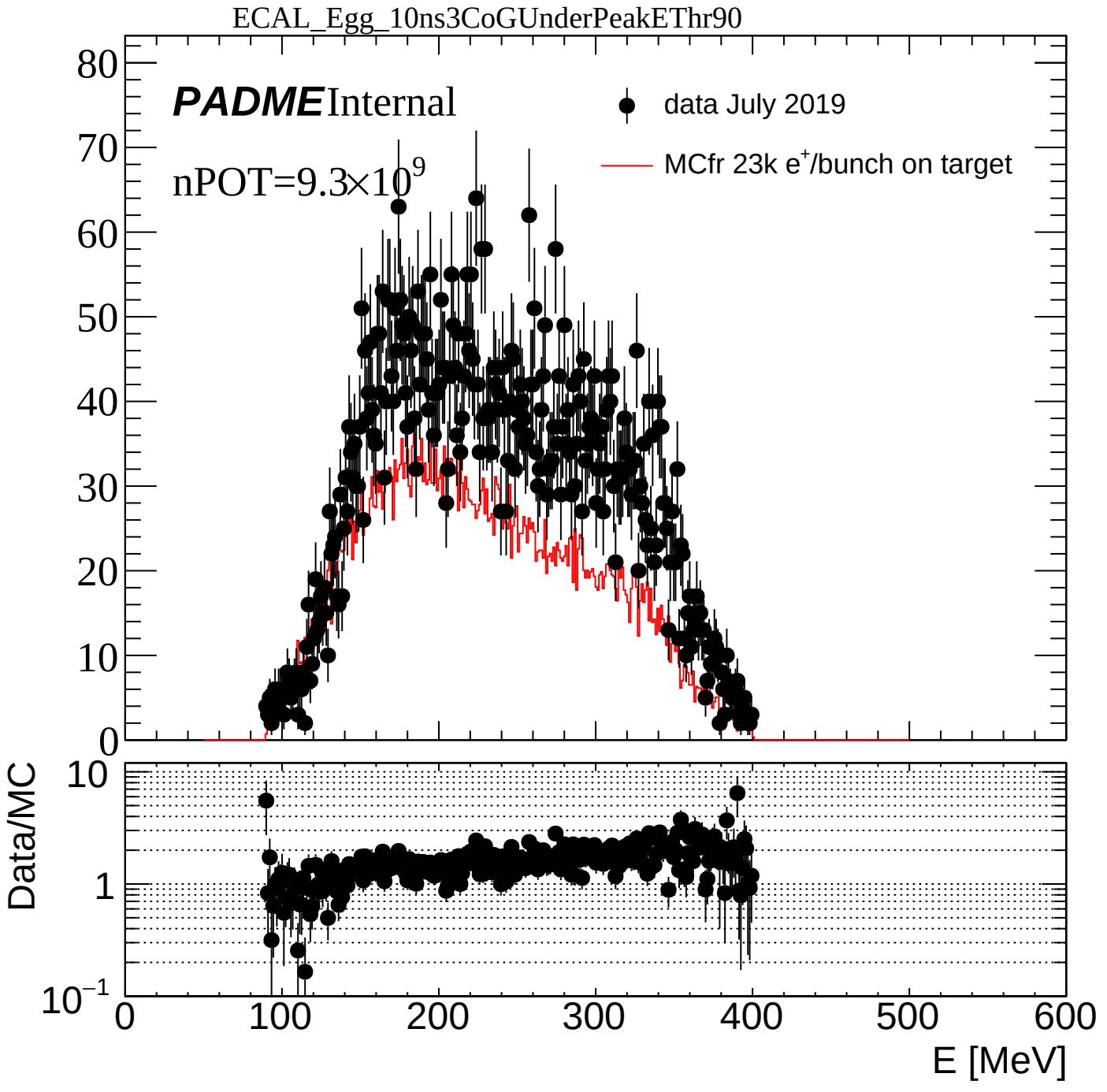
500
600
1
10^−1


ECAL_Egg_10ns3CoGUnderPeakEThr90
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nPOT=9.3×10^9
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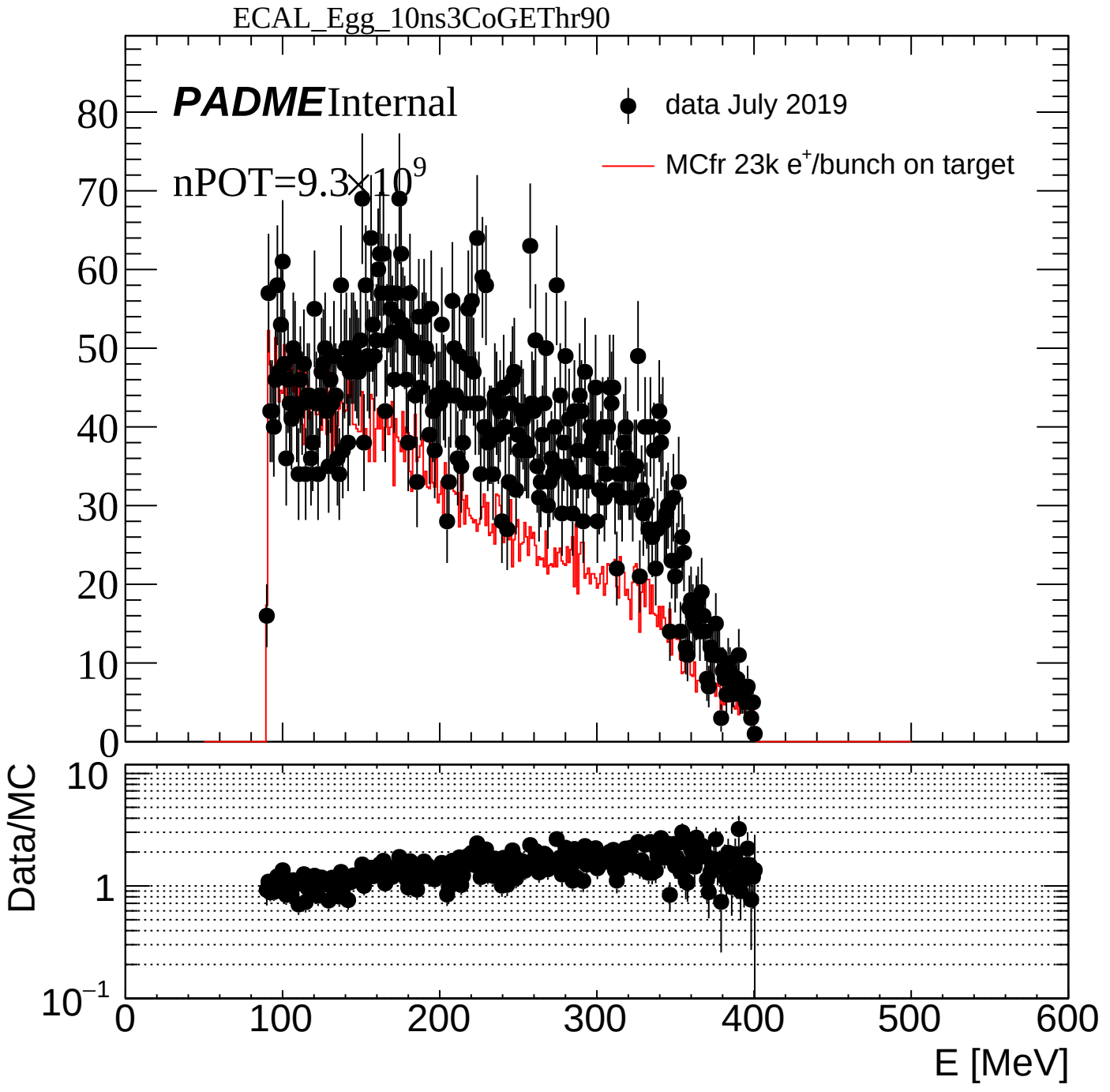
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


ECAL_Egg_10ns3CoGEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
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300
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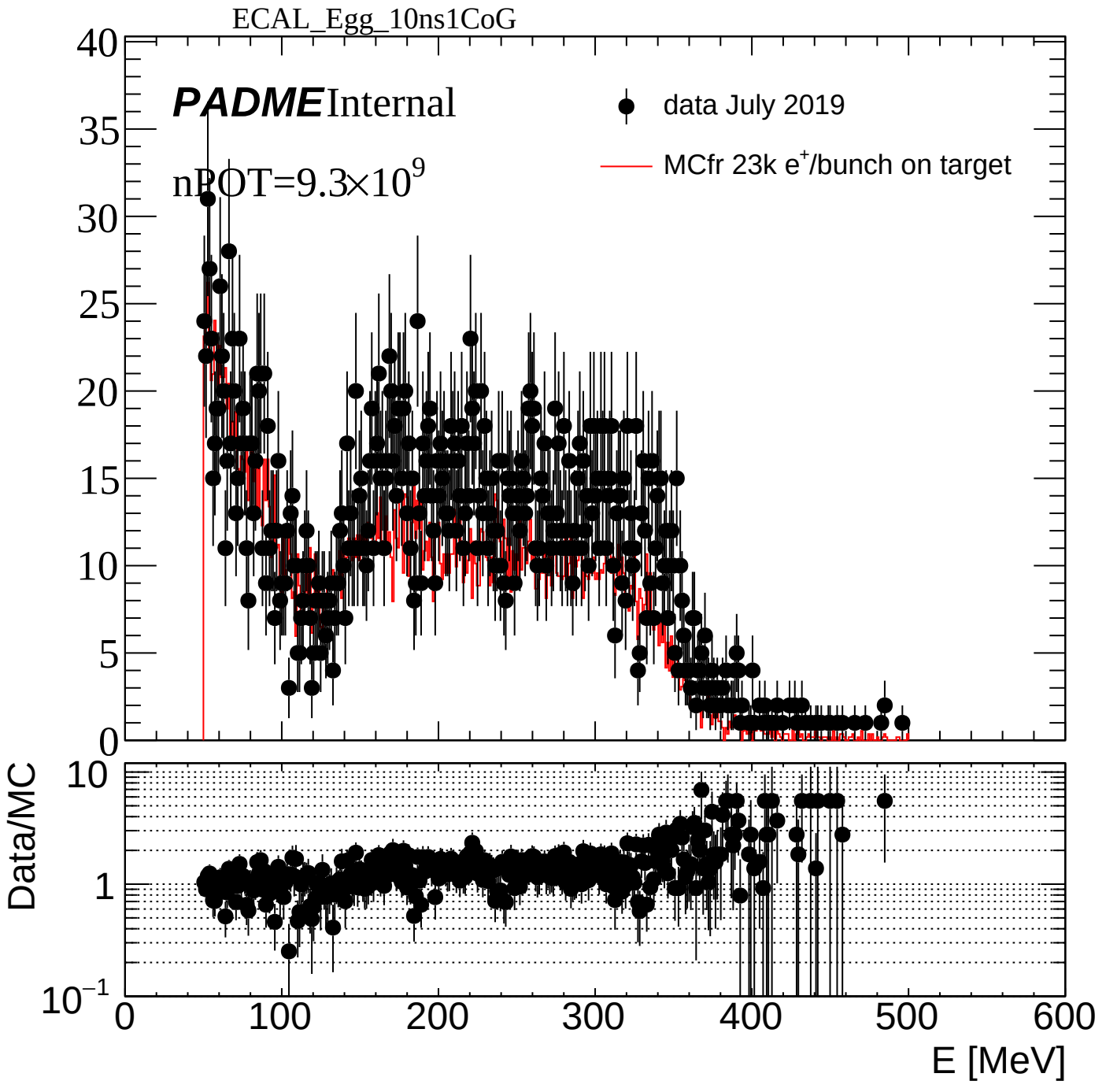
10^−1
1
10


ECAL_Egg_10ns1CoG
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]
0
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30
35
40
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300
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10^−1
1
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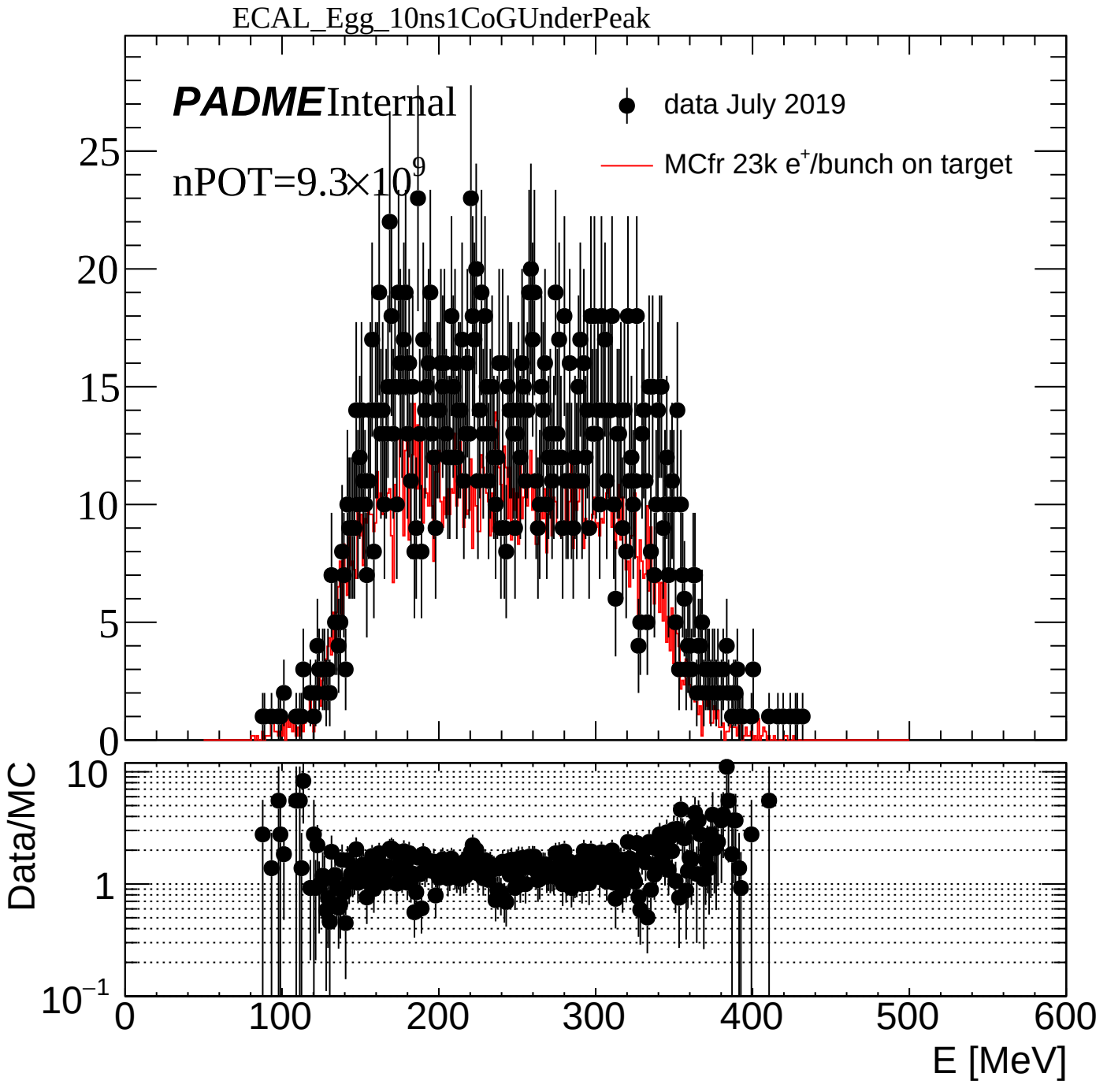
ECAL_Egg_10ns1CoGUnderPeak
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
25
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5
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Data/MC
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1
10^−1
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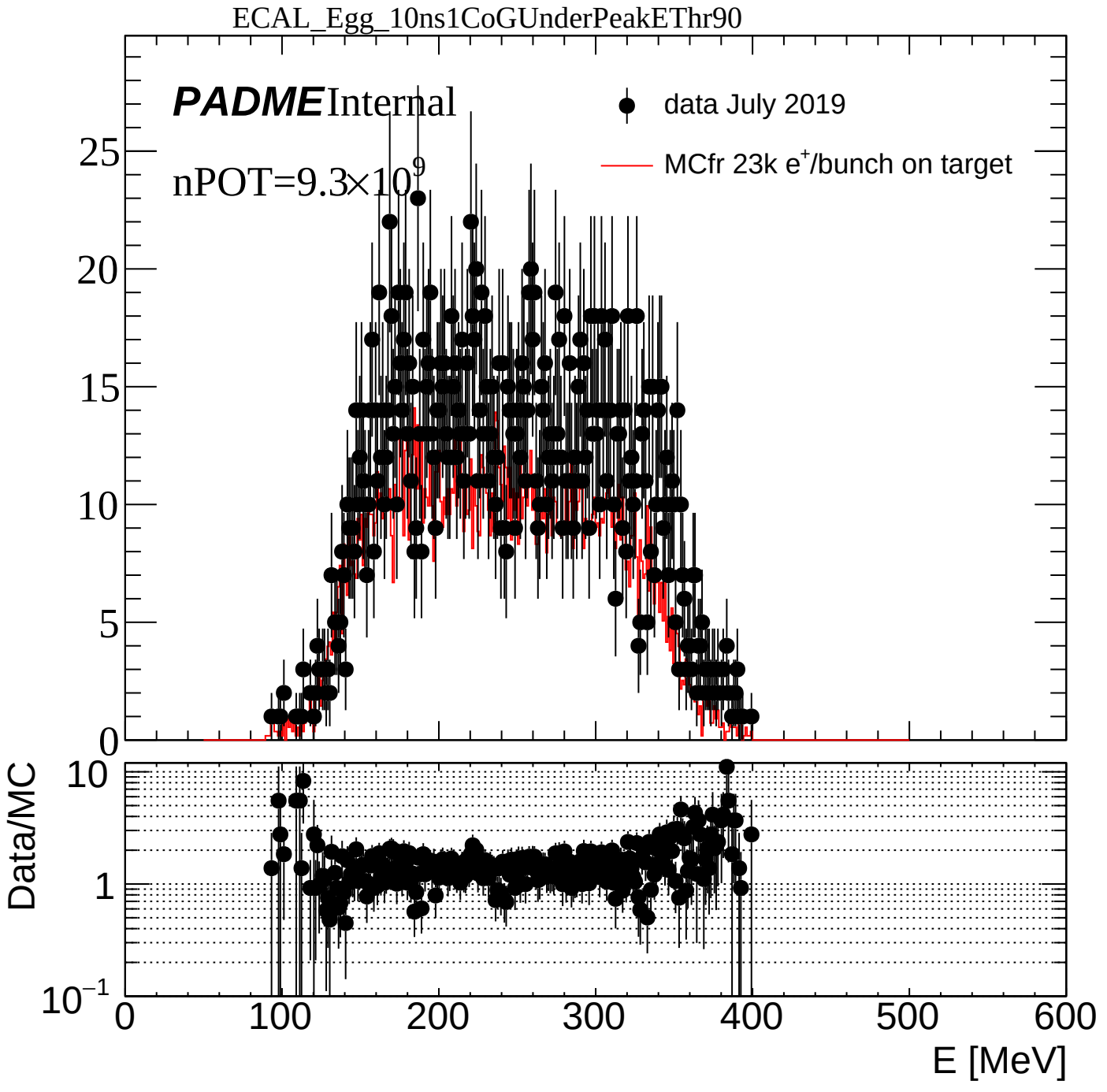
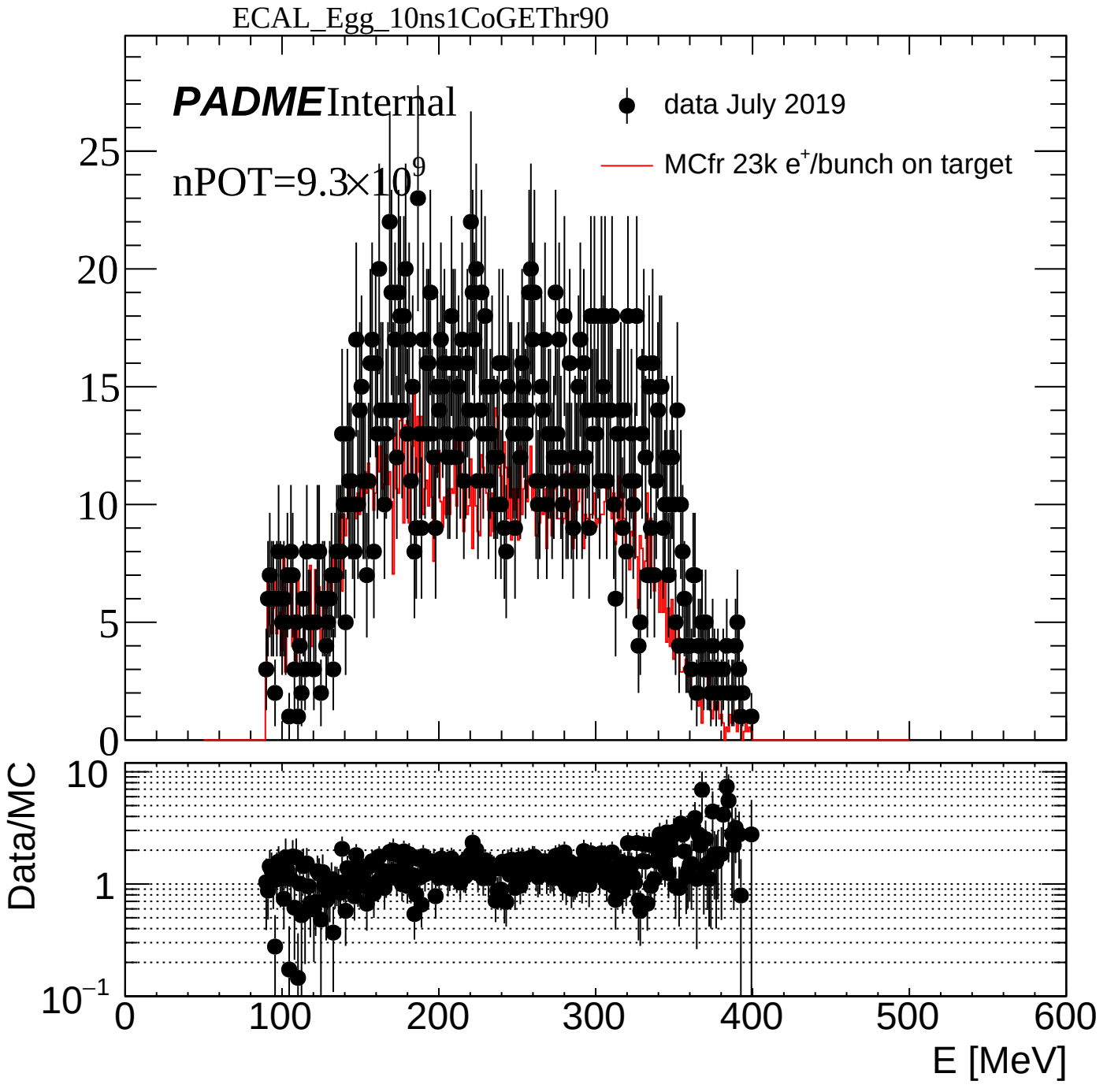
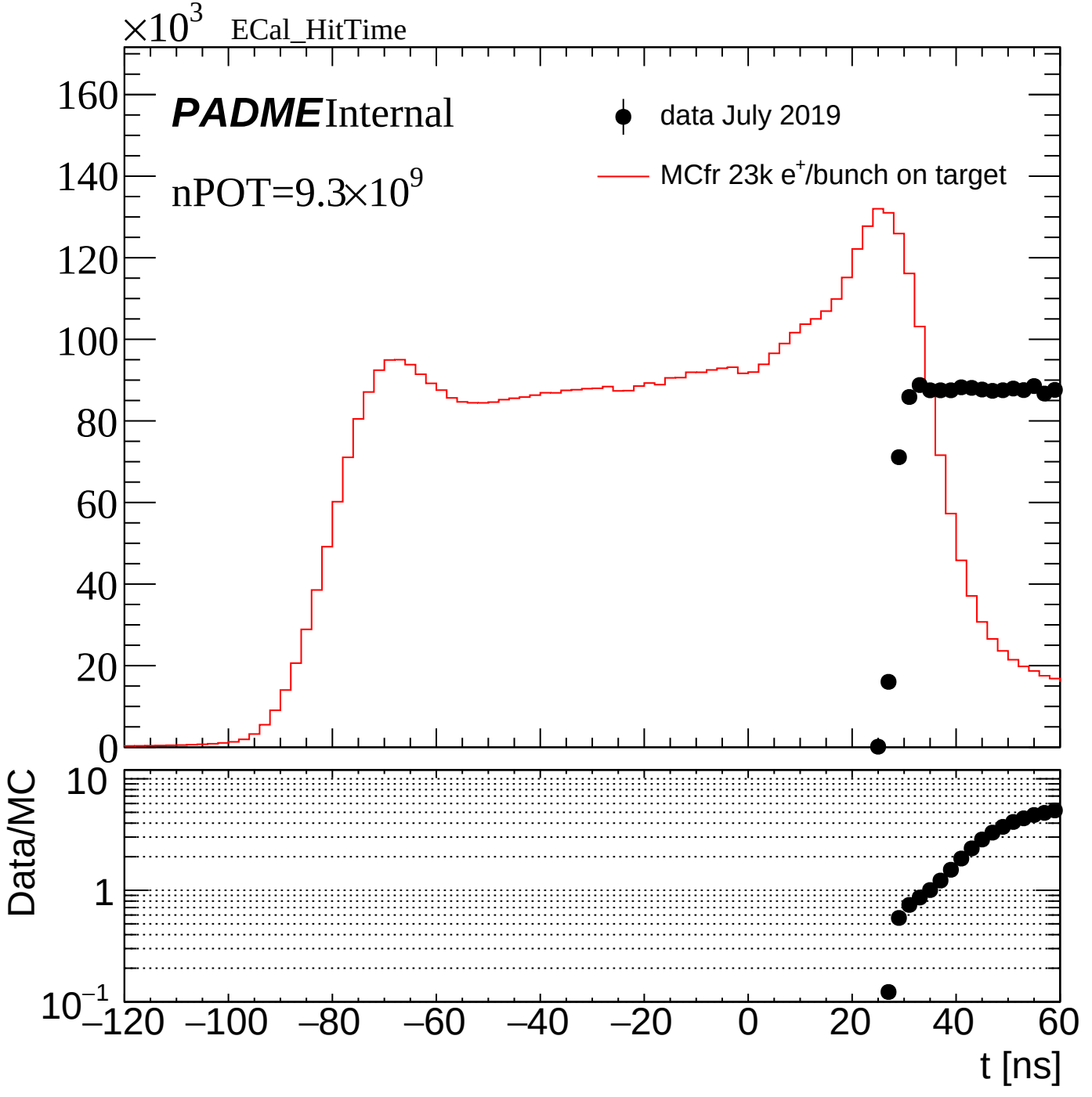
E [MeV]


ECAL_Egg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


ECAL_Egg_10ns1CoGEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
E [MeV]


×10^3 ECal_HitTime
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
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1
10^−1
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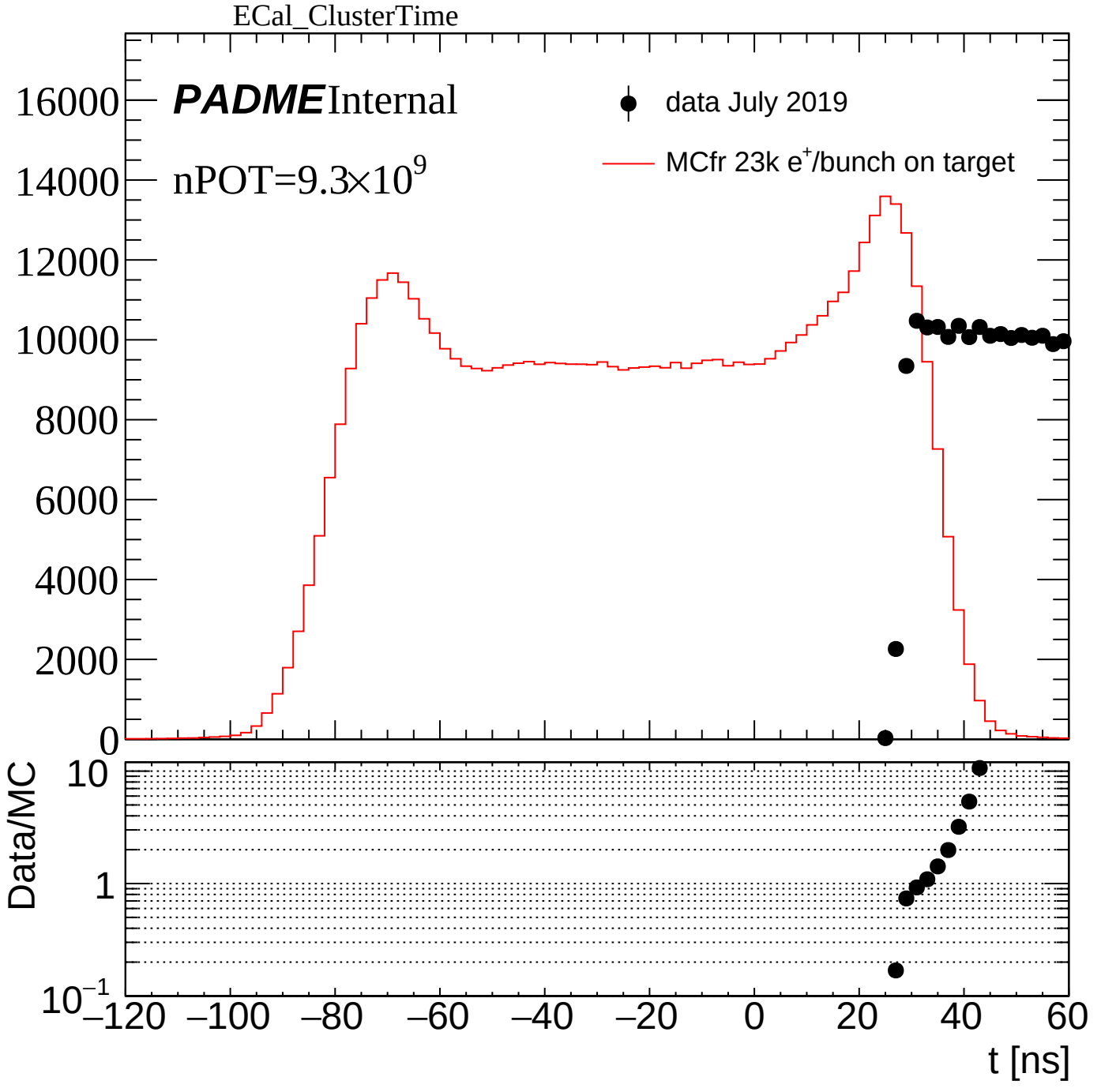
–100
–80
–60
–40
–20
0
20
40
60
t [ns]


ECal_ClusterTime
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
16000
14000
12000
10000
8000
6000
4000
2000
0
Data/MC
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10^−1
–120
–100
–80
–60
–40
–20
0
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40
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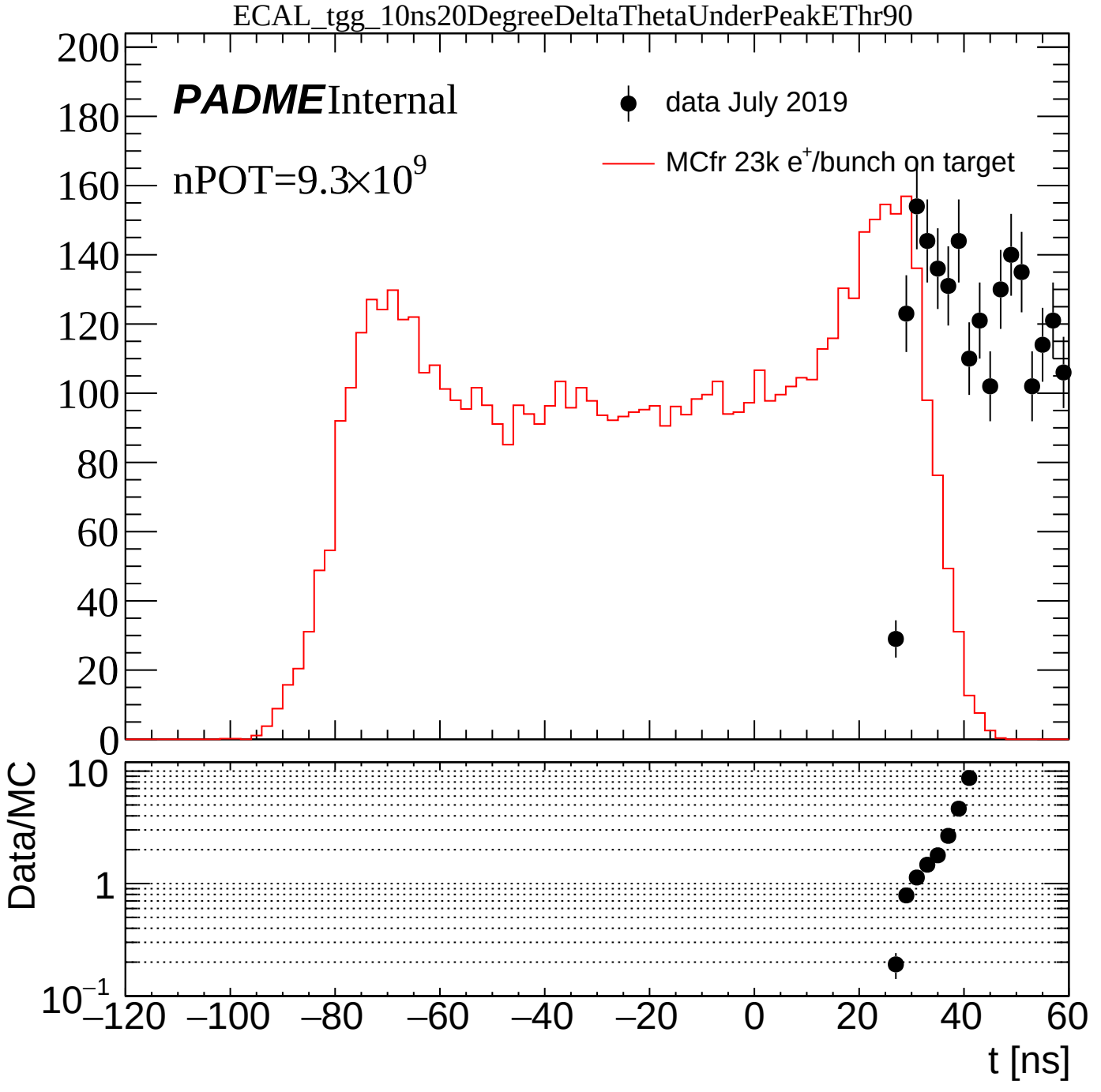
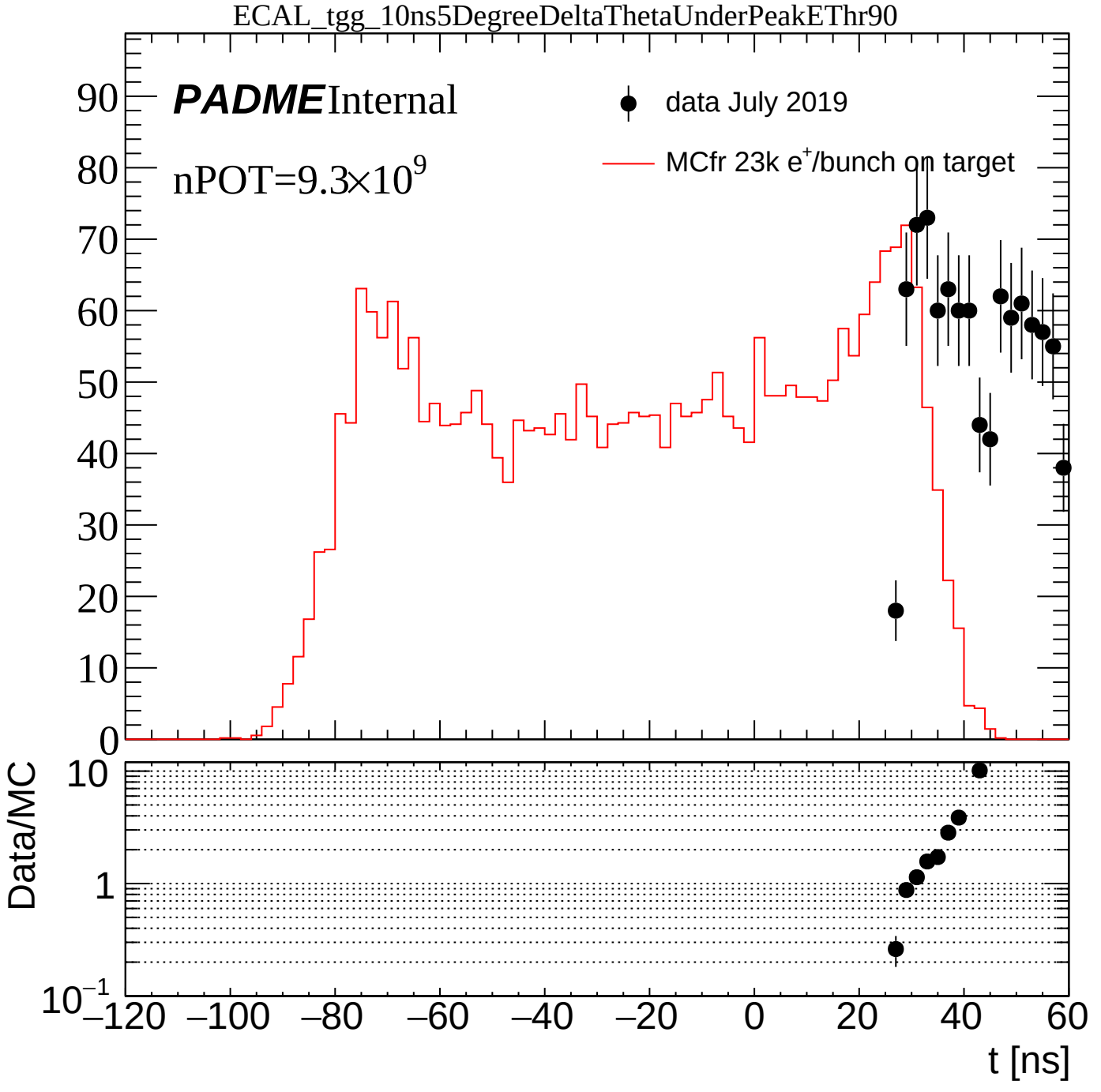
t [ns]


ECAL_tgg_10ns20DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
t [ns]


ECAL_tgg_10ns5DegreeDeltaThetaUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
90
80
70
60
50
40
30
20
10
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Data/MC
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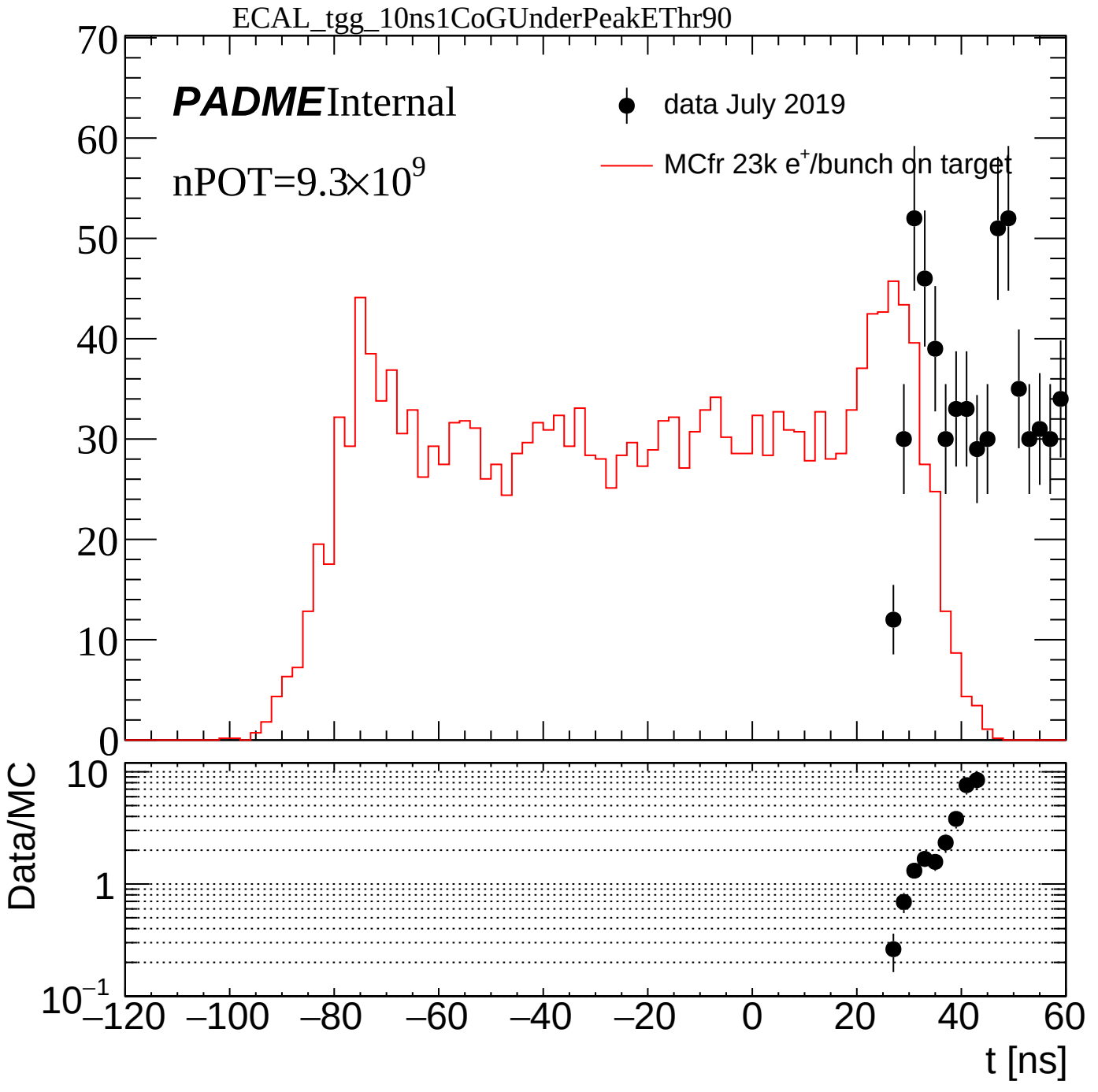
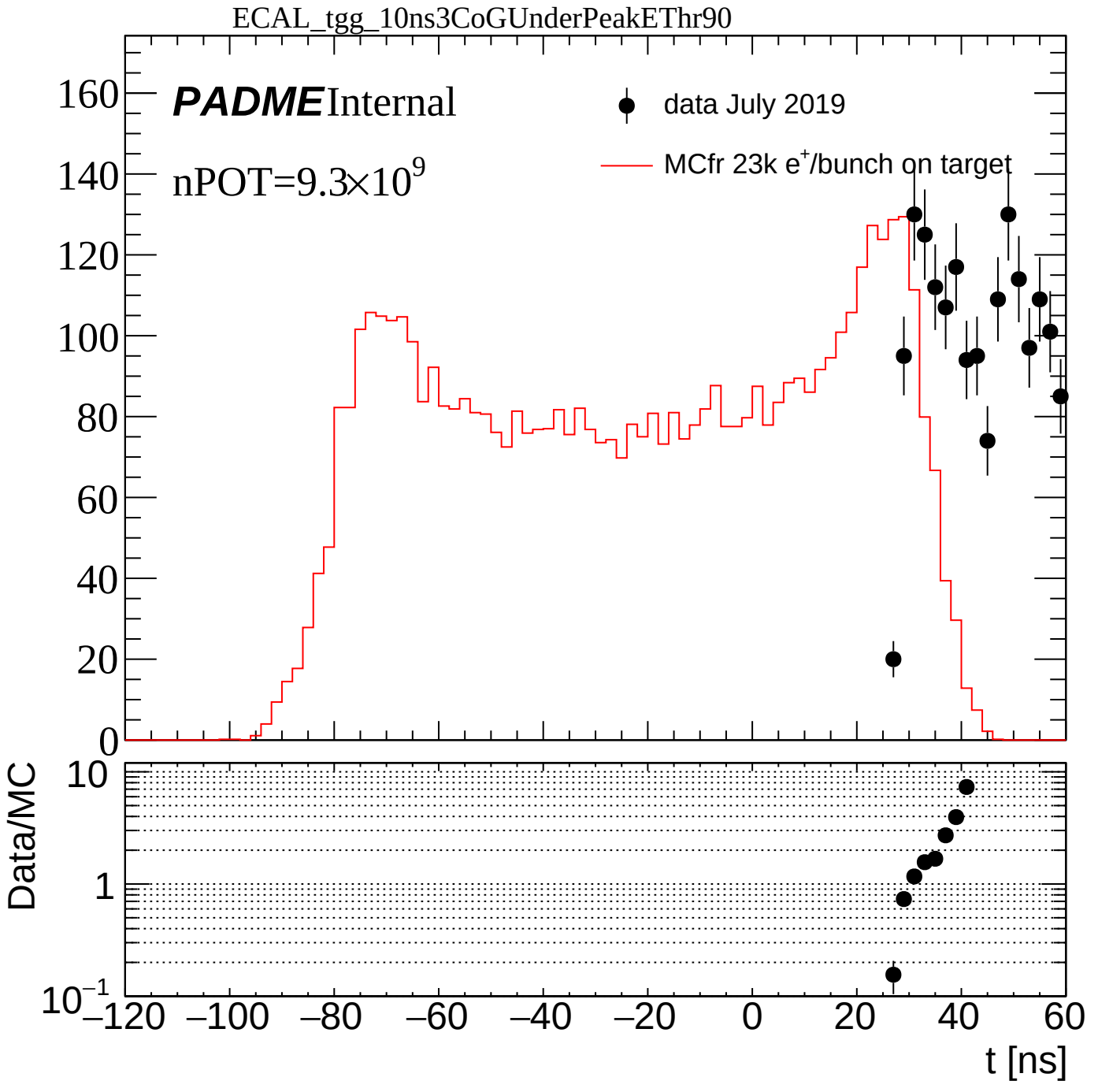
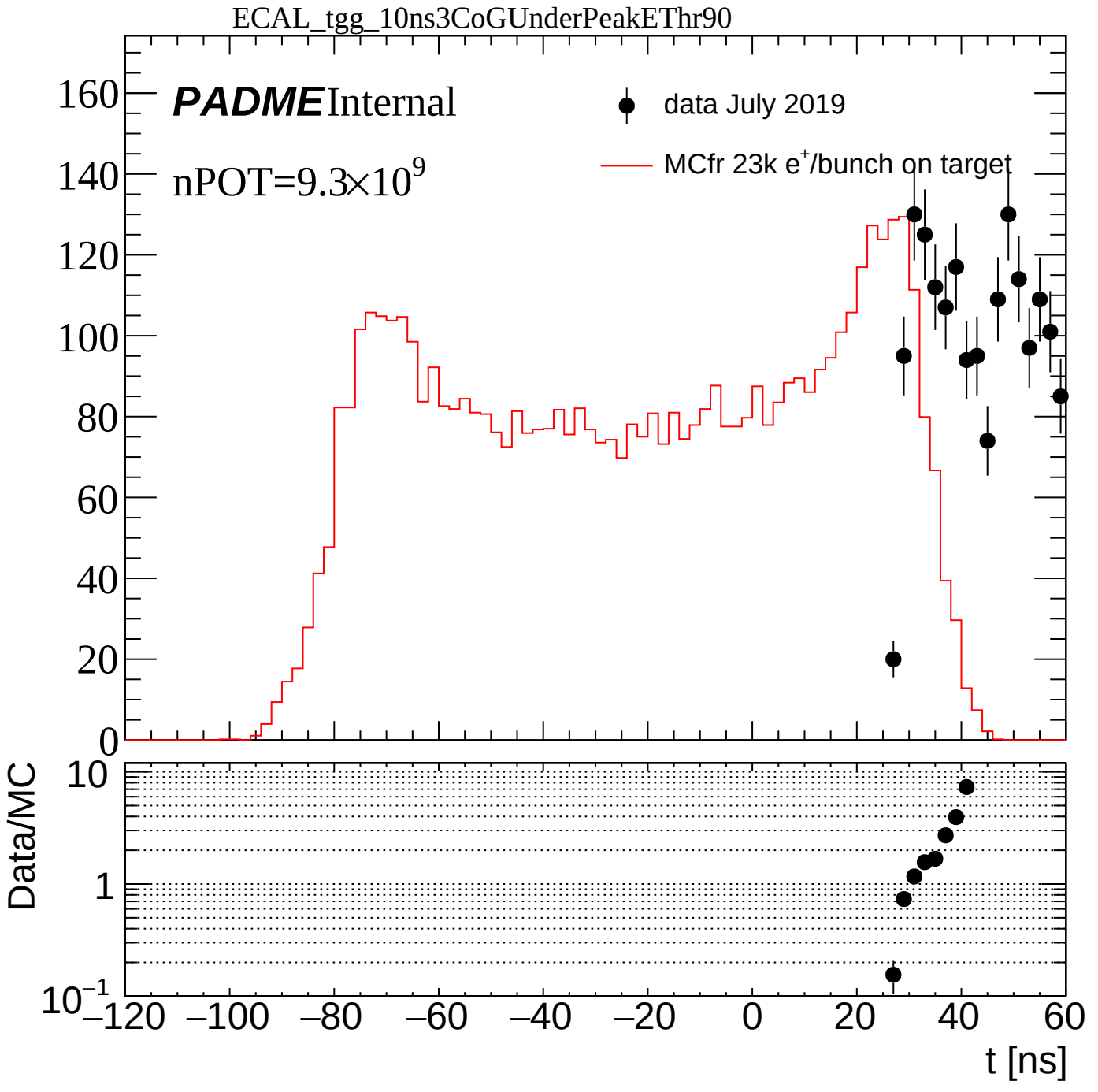
10^−1
−120
−100
−80
−60
−40
−20
0
20
40
60
t [ns]


ECAL_tgg_10ns1CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
Data/MC
t [ns]


ECAL_tgg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
–120
–100
–80
–60
–40
–20
0
20
40
60
t [ns]


ECAL_tgg_10ns3CoGUnderPeakEThr90
PADME Internal
nPOT=9.3×10^9
data July 2019
MCfr 23k e+/bunch on target
160
140
120
100
80
60
40
20
0
Data/MC
10
1
10^−1
–120
–100
–80
–60
–40
–20
0
20
40
60
t [ns]