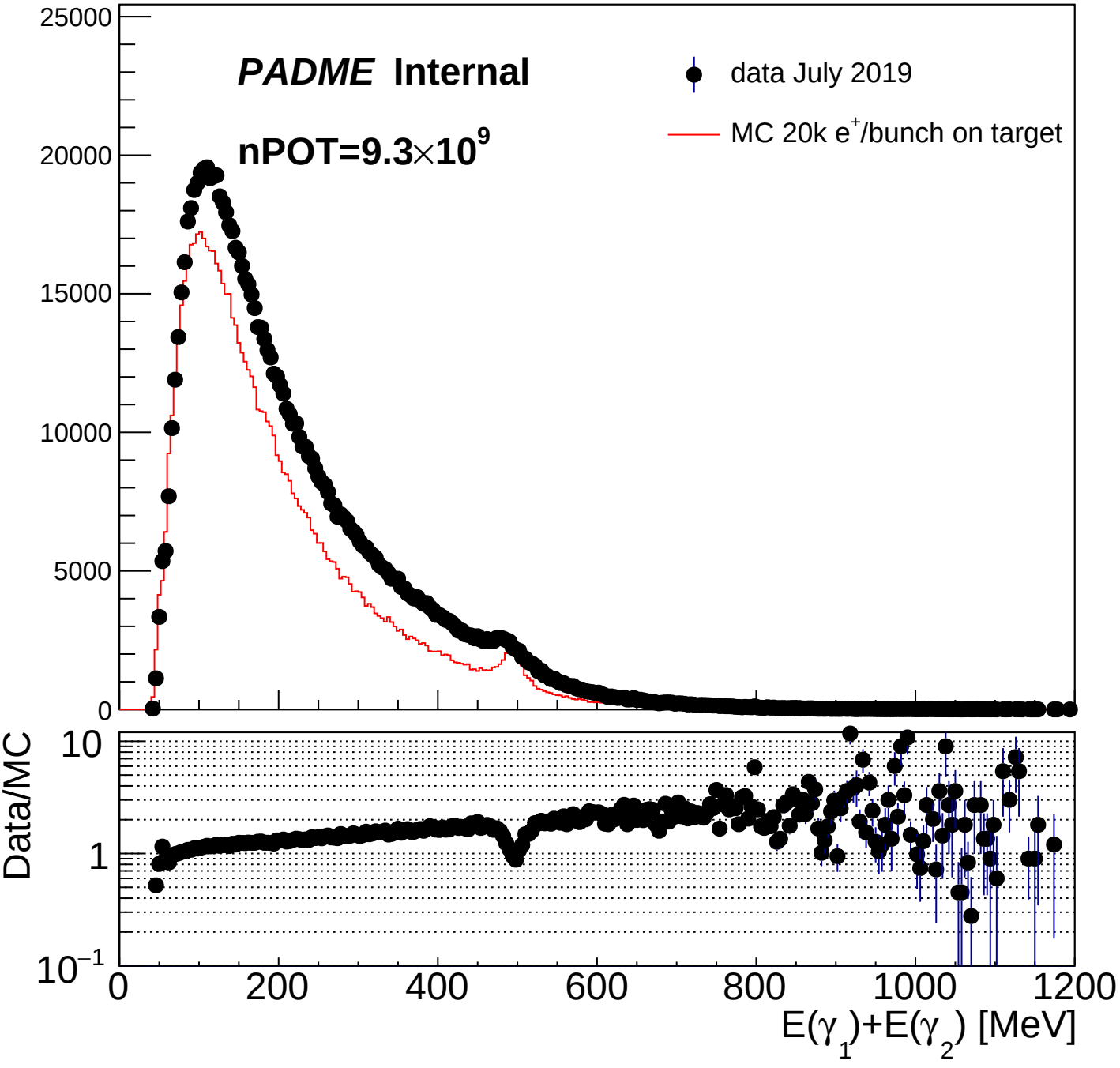
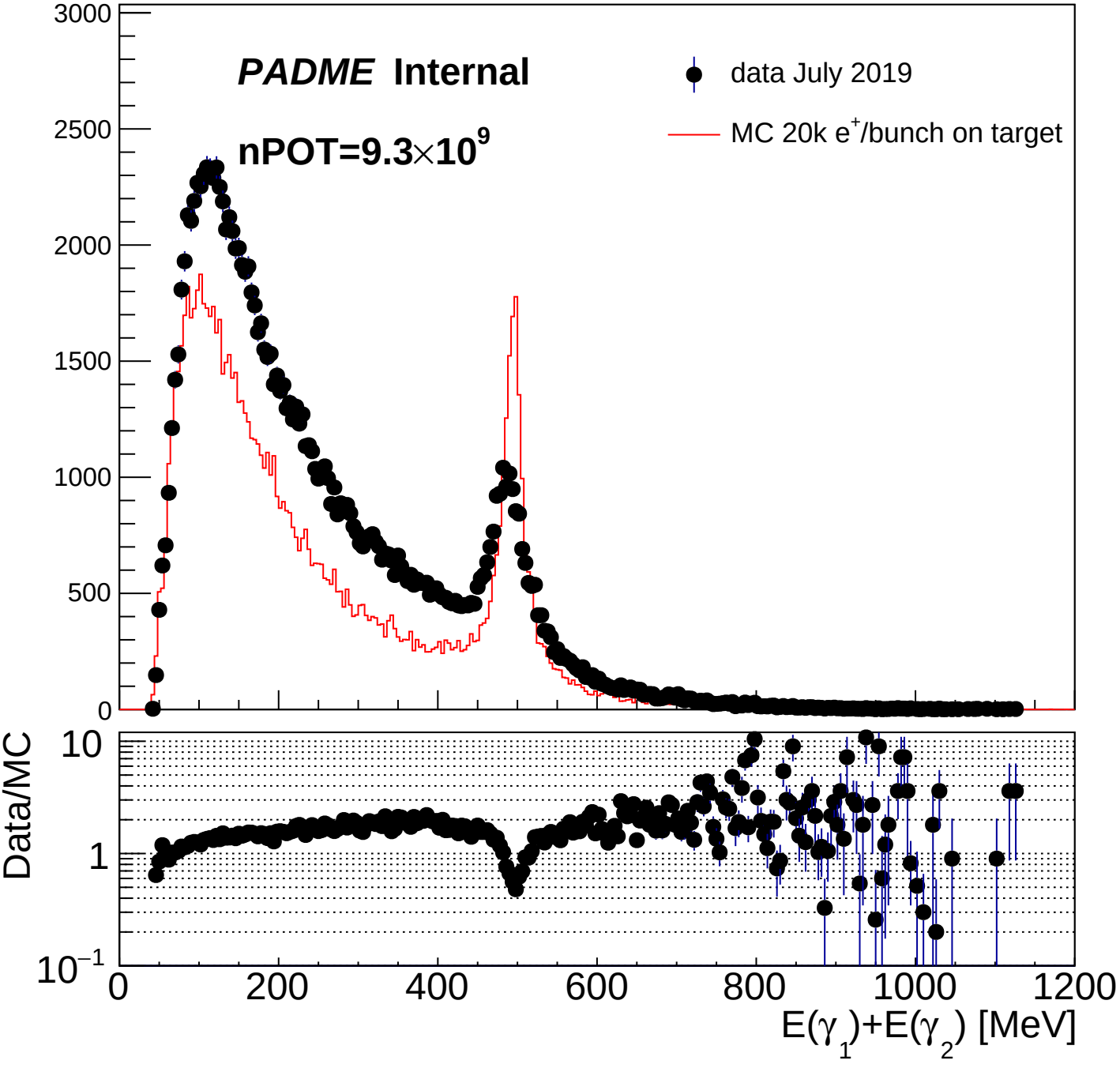
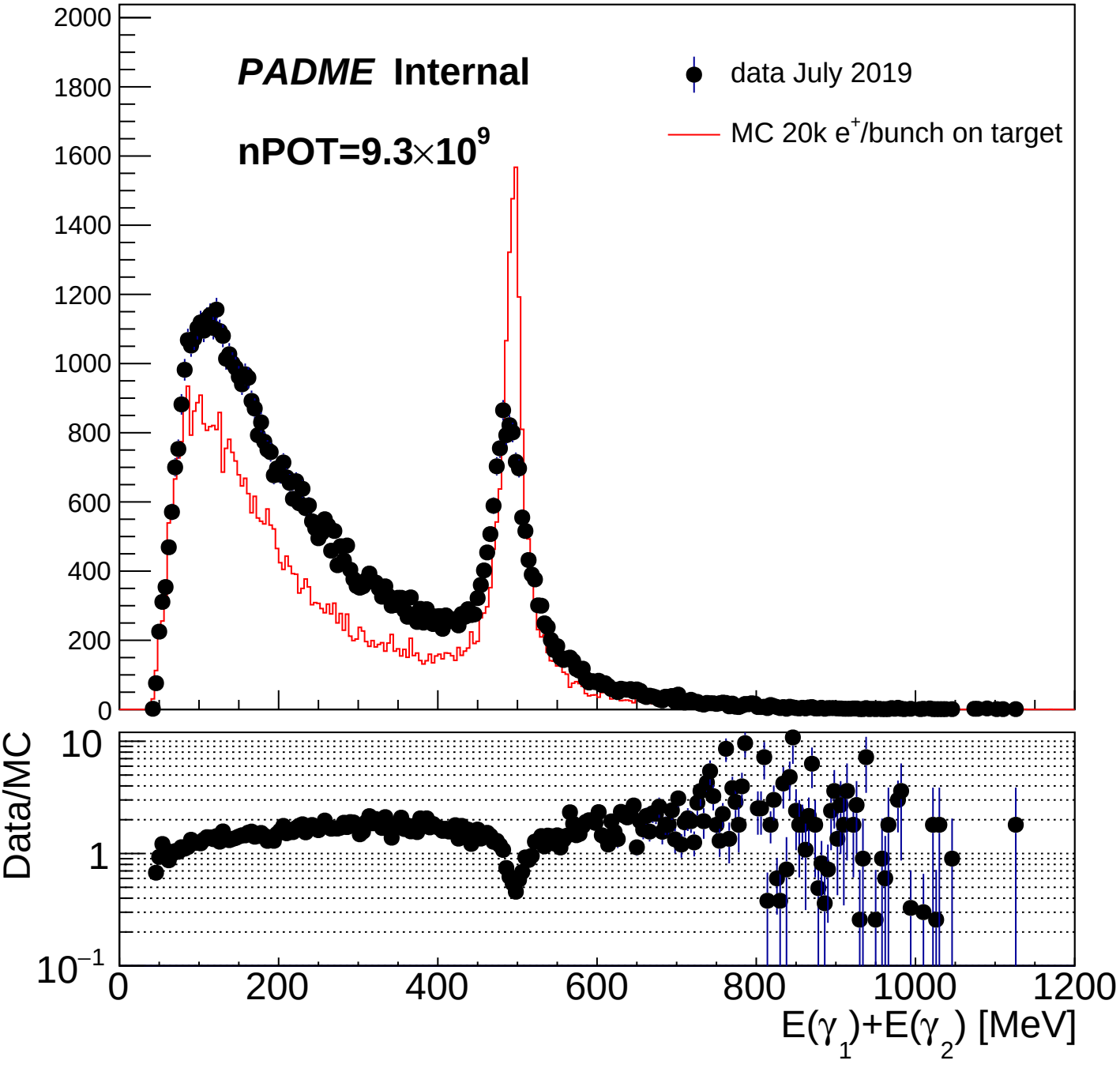

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
25000
20000
15000
10000
5000
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
3000
2500
2000
1500
1000
500
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]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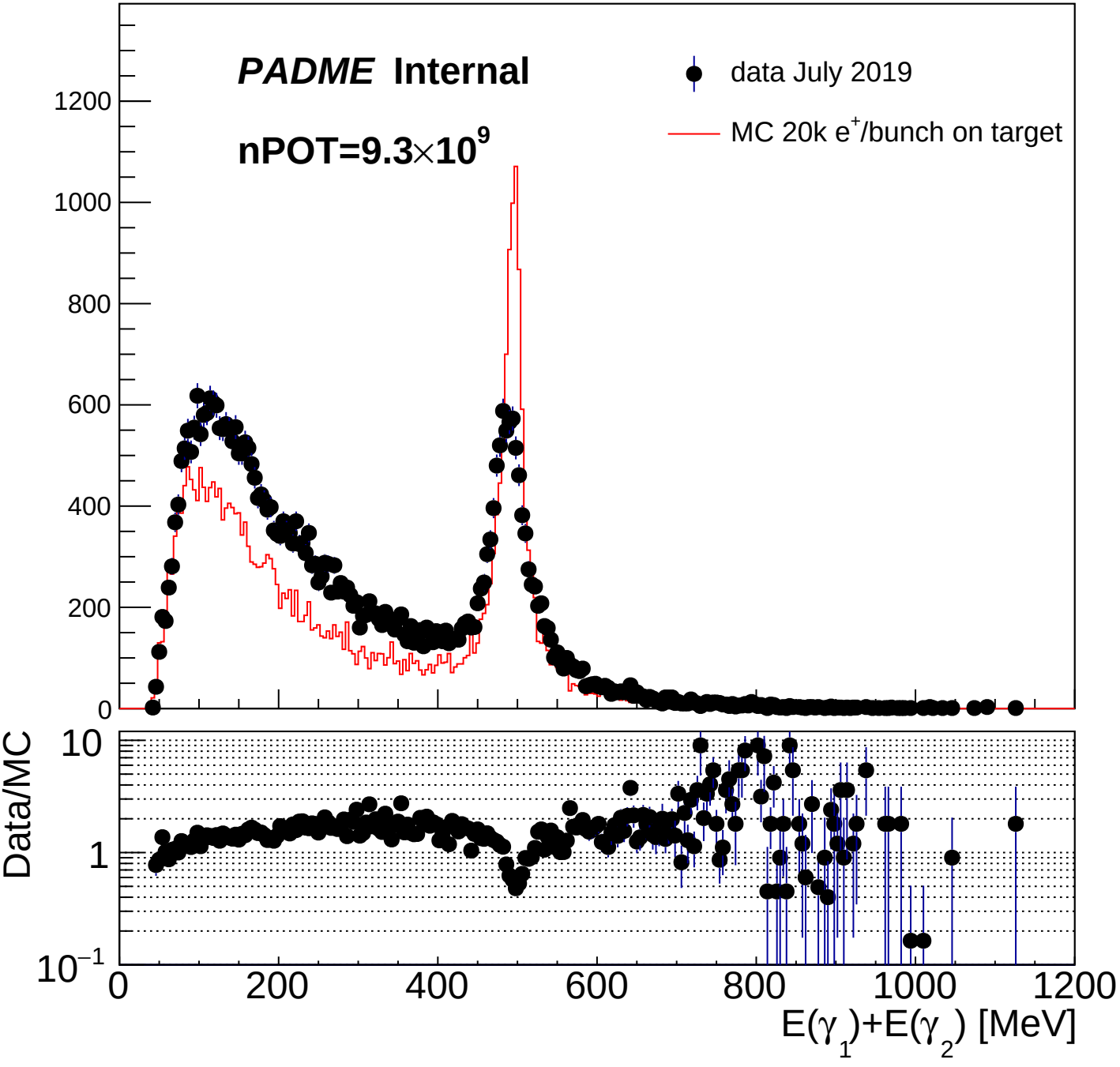
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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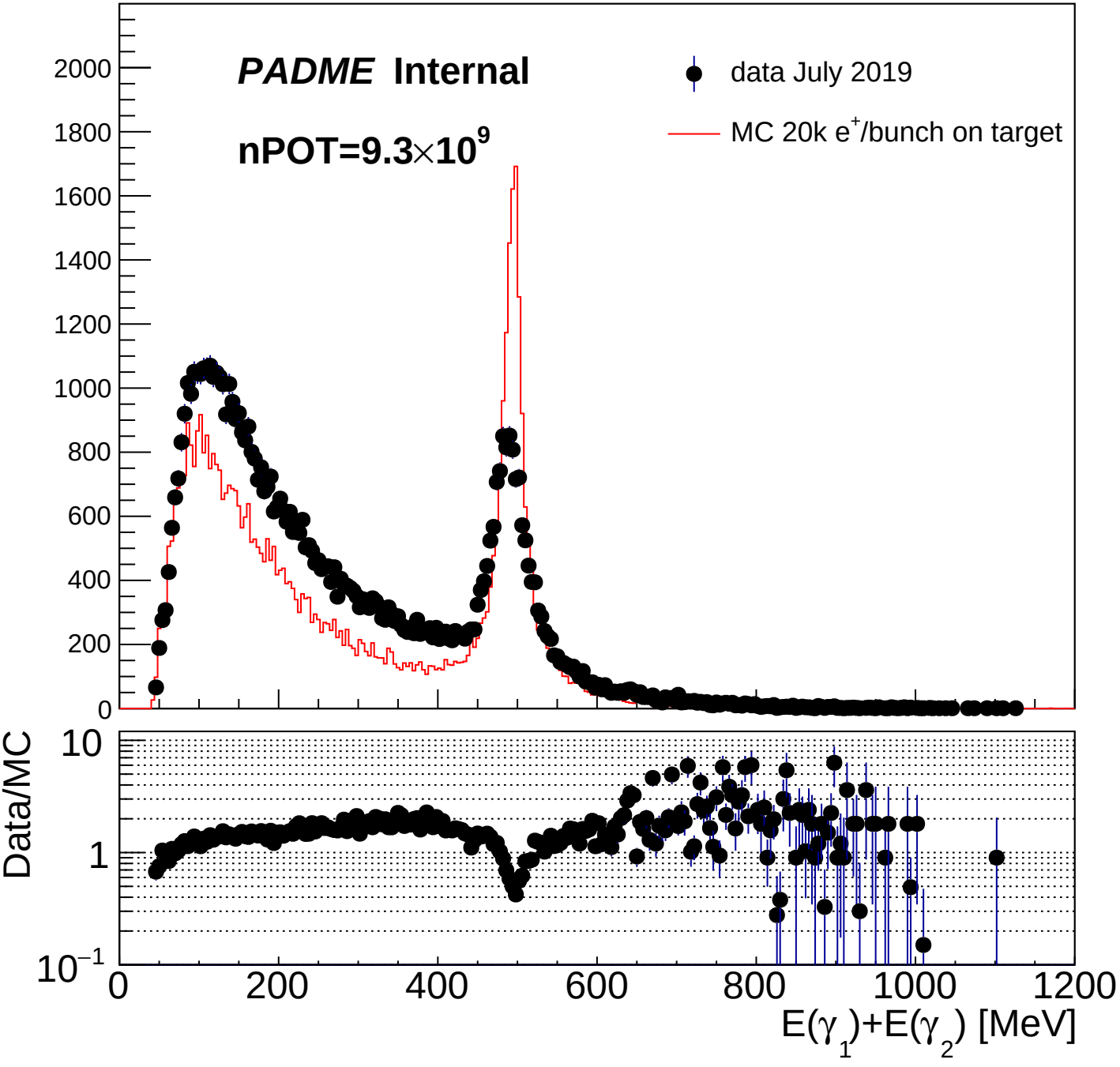
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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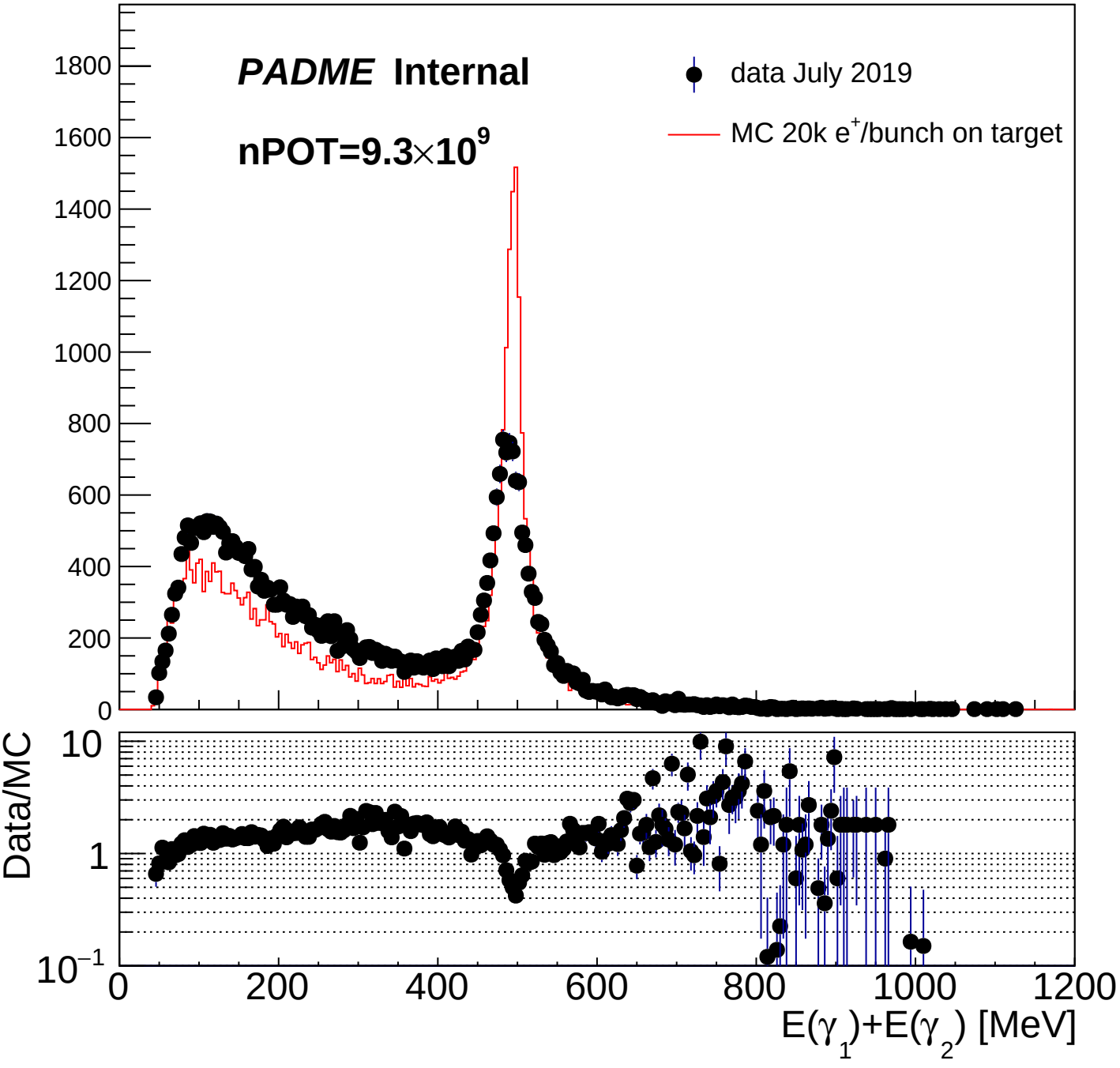
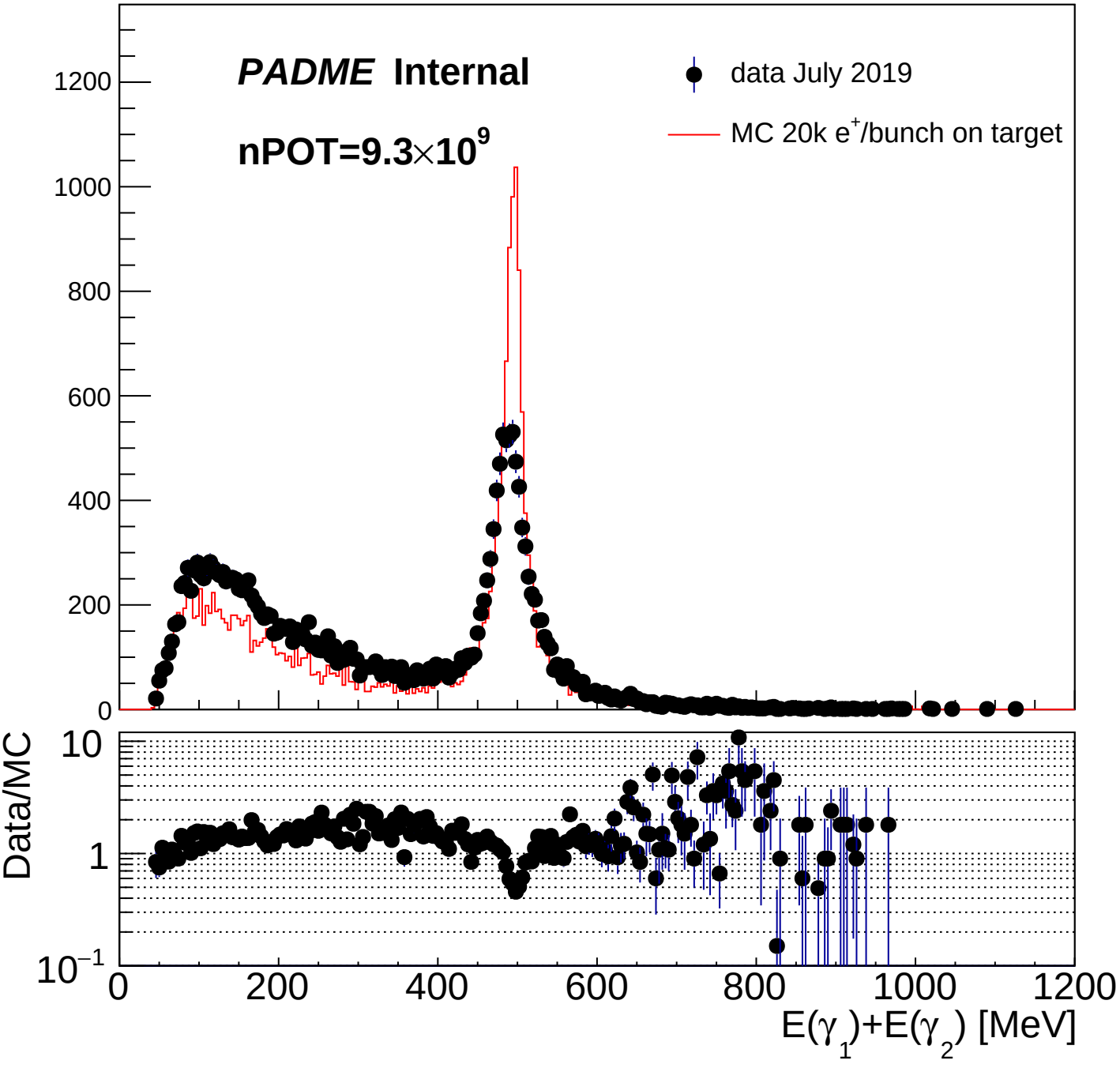
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
1800
1600
1400
1200
1000
800
600
400
200
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]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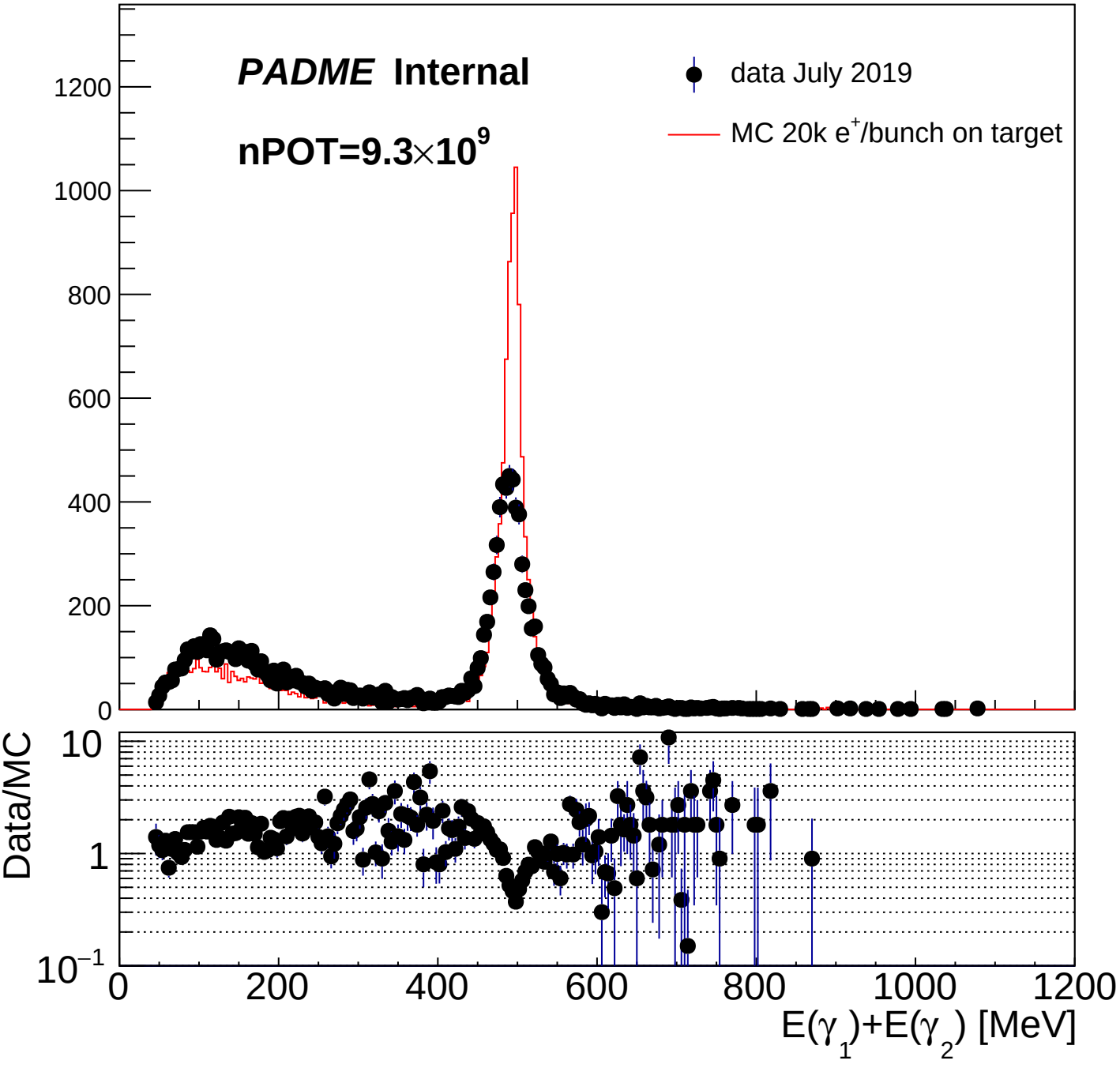
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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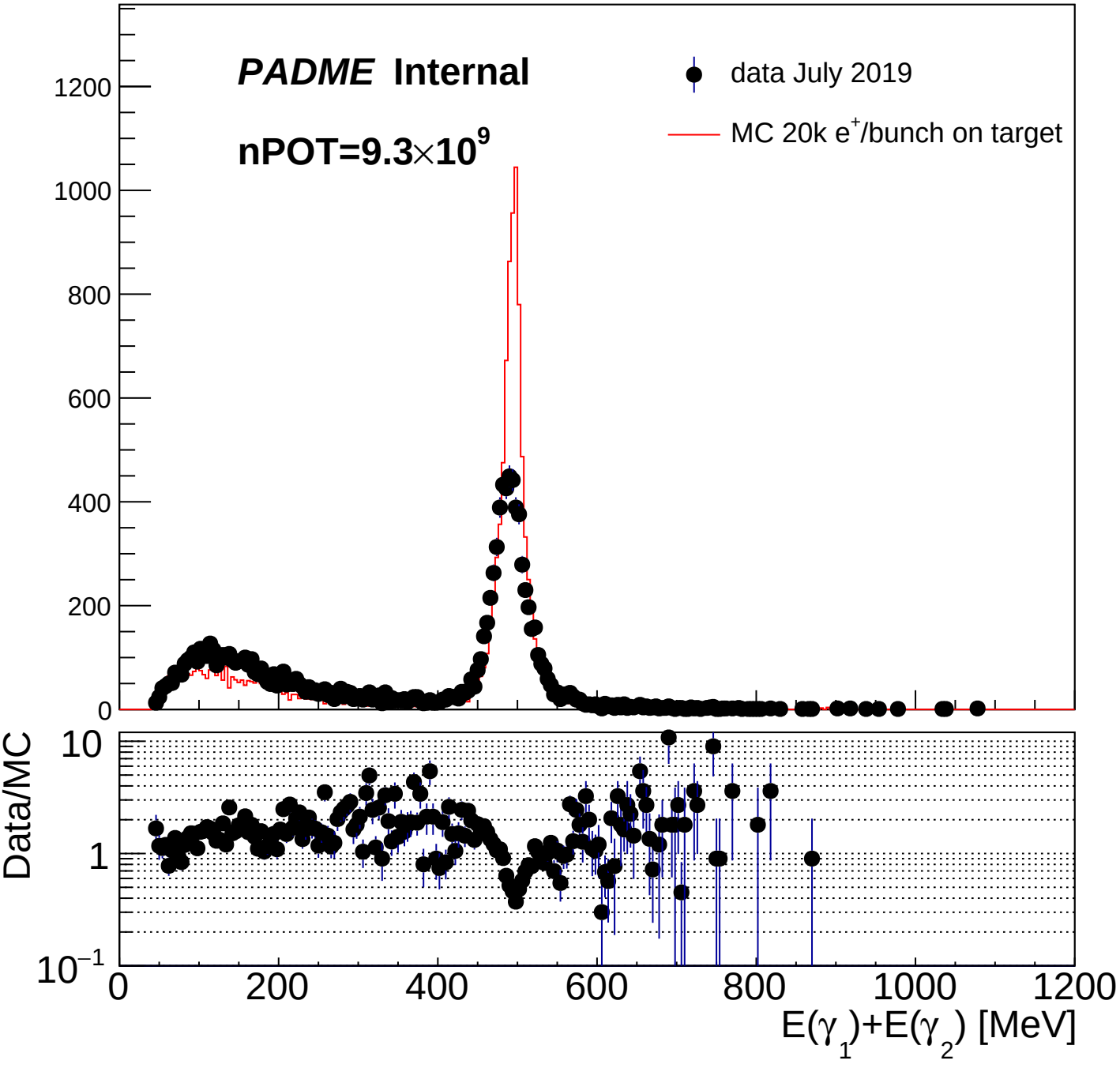
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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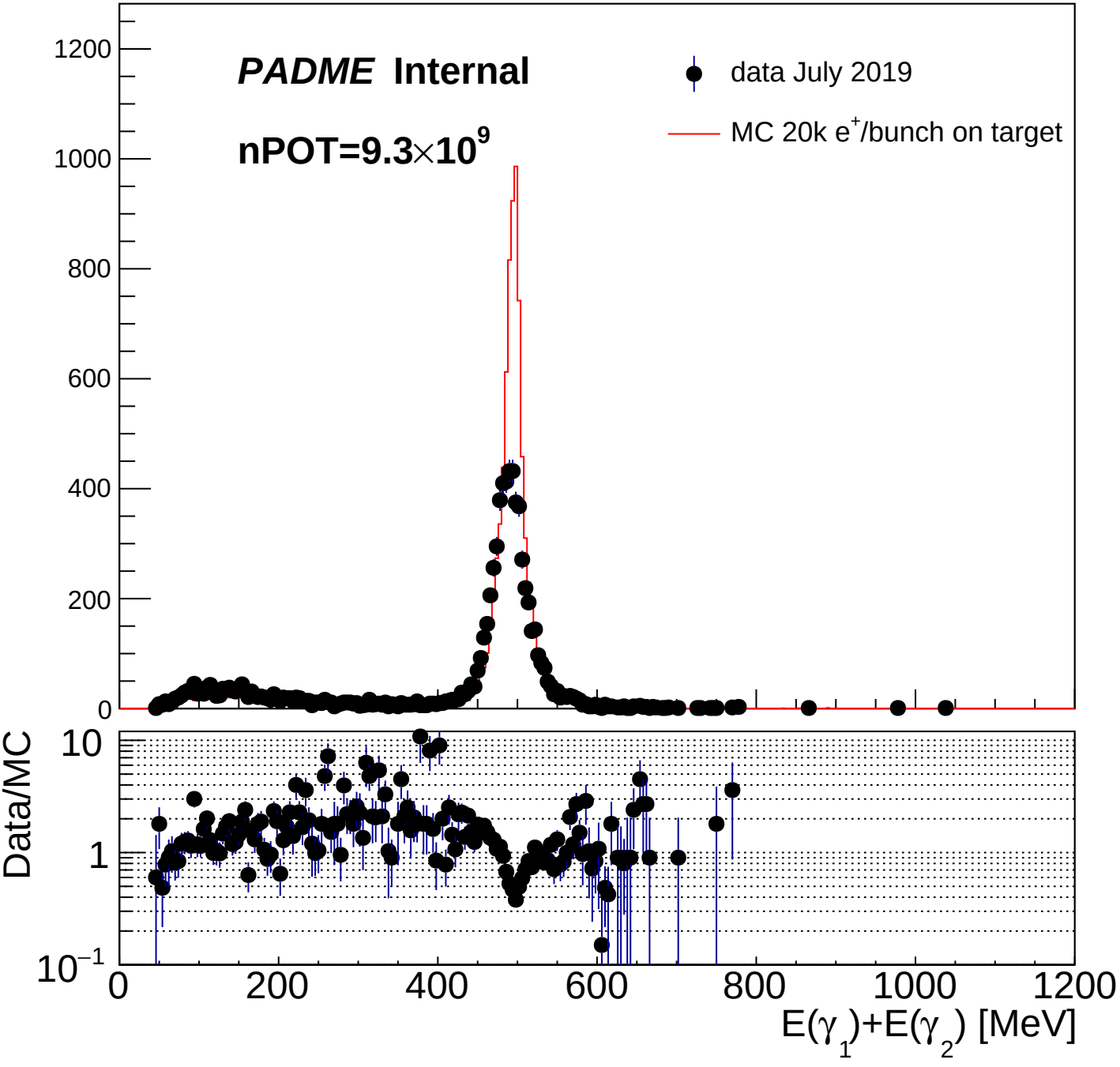
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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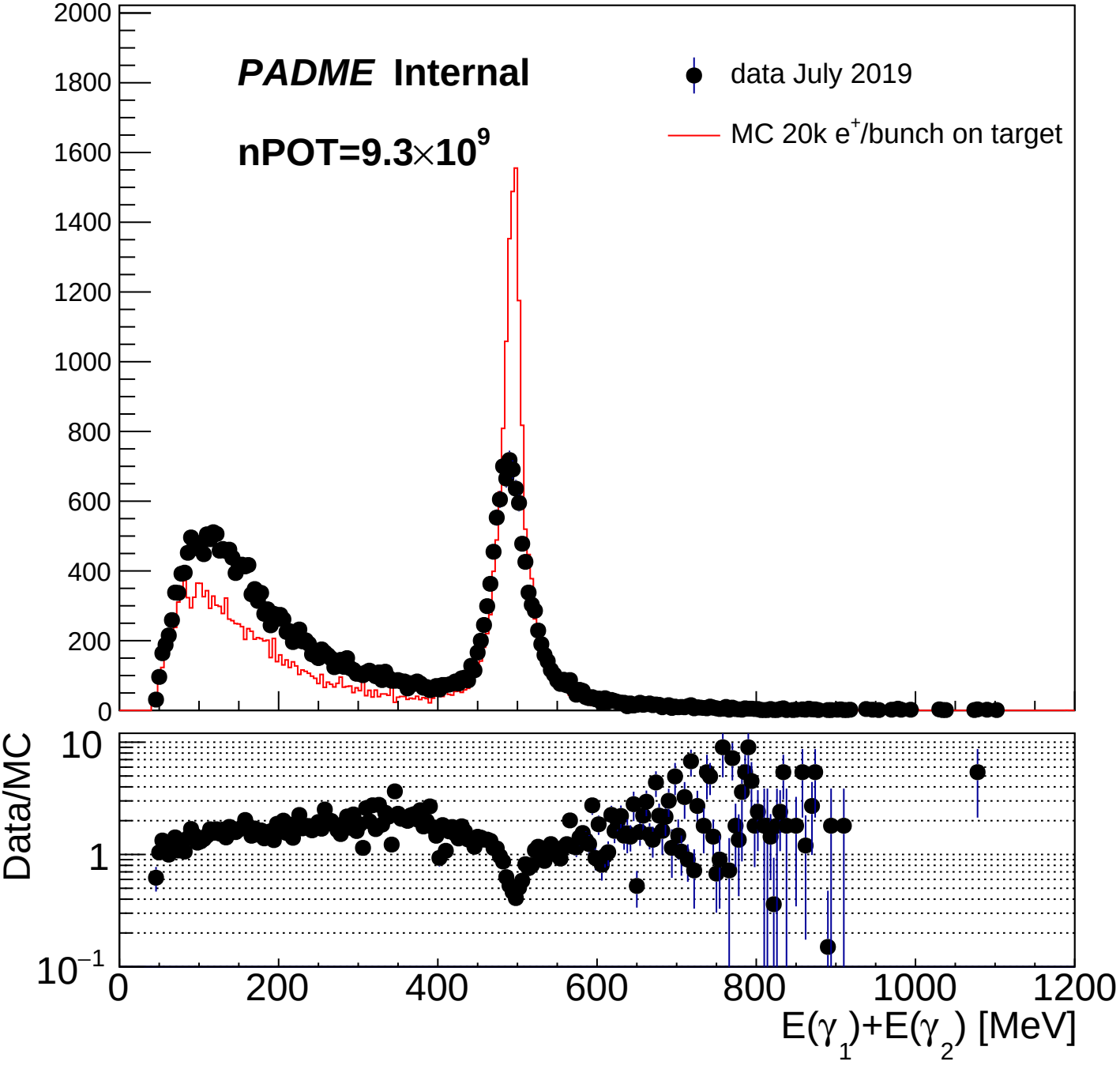
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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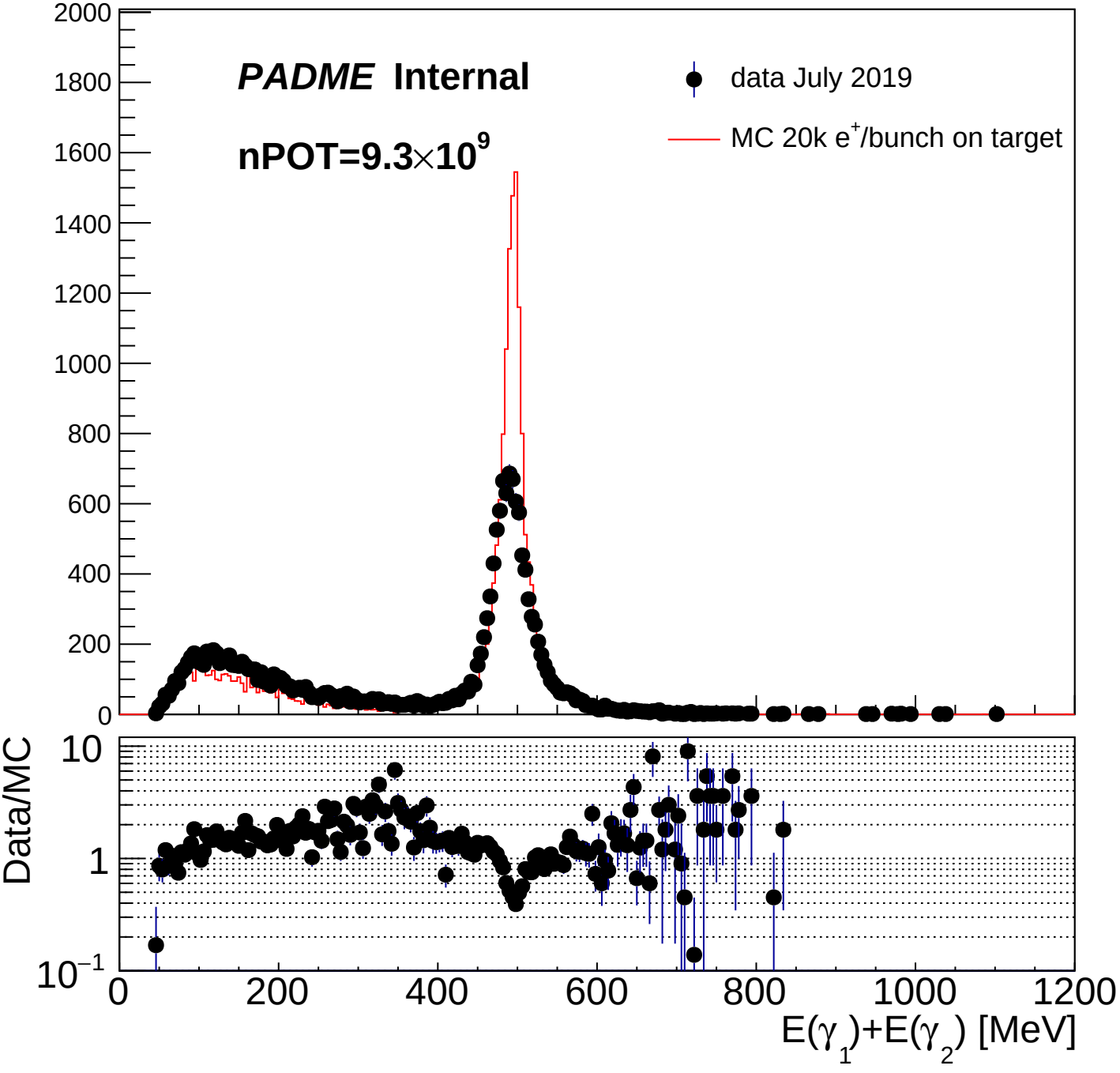
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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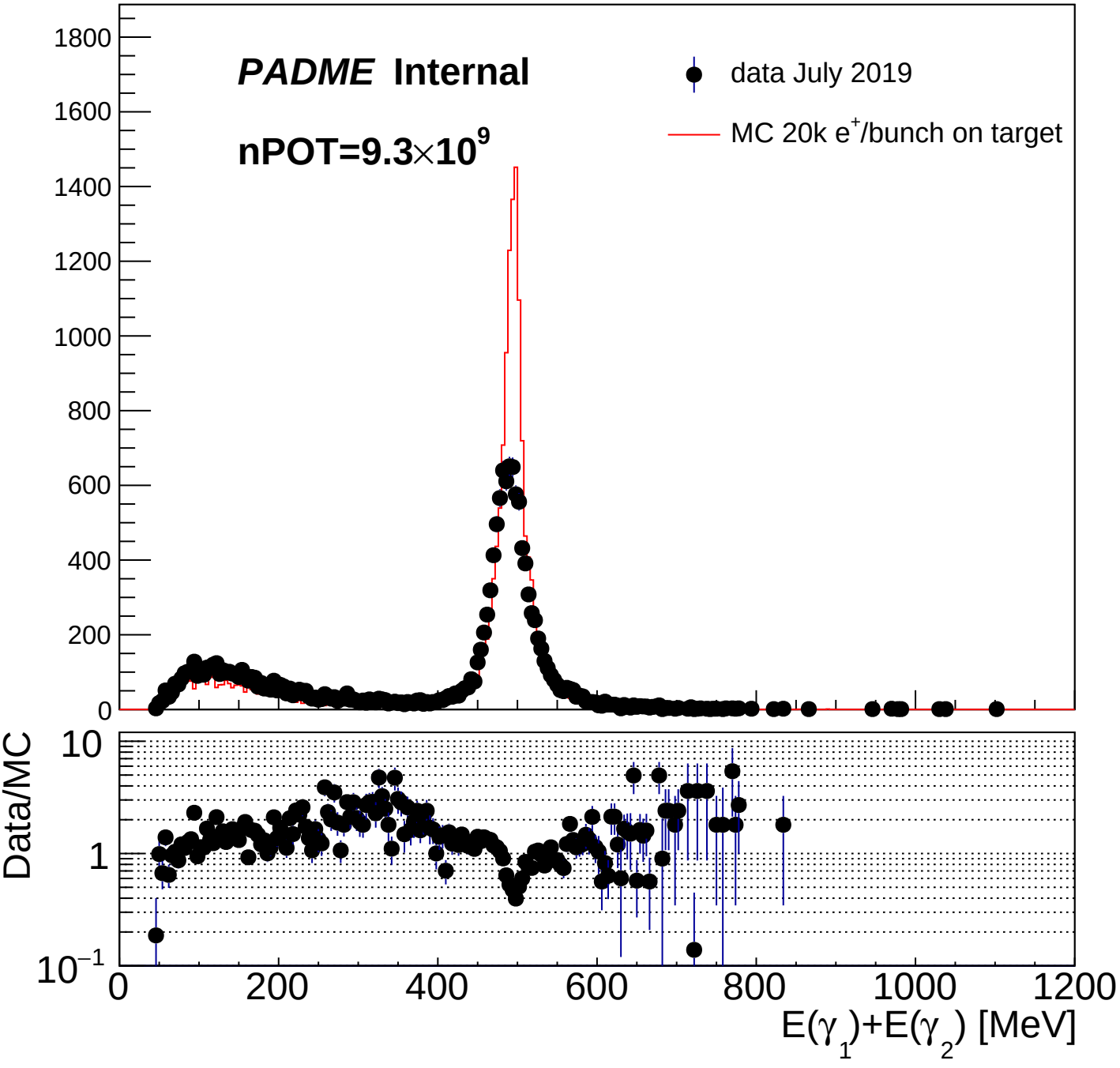
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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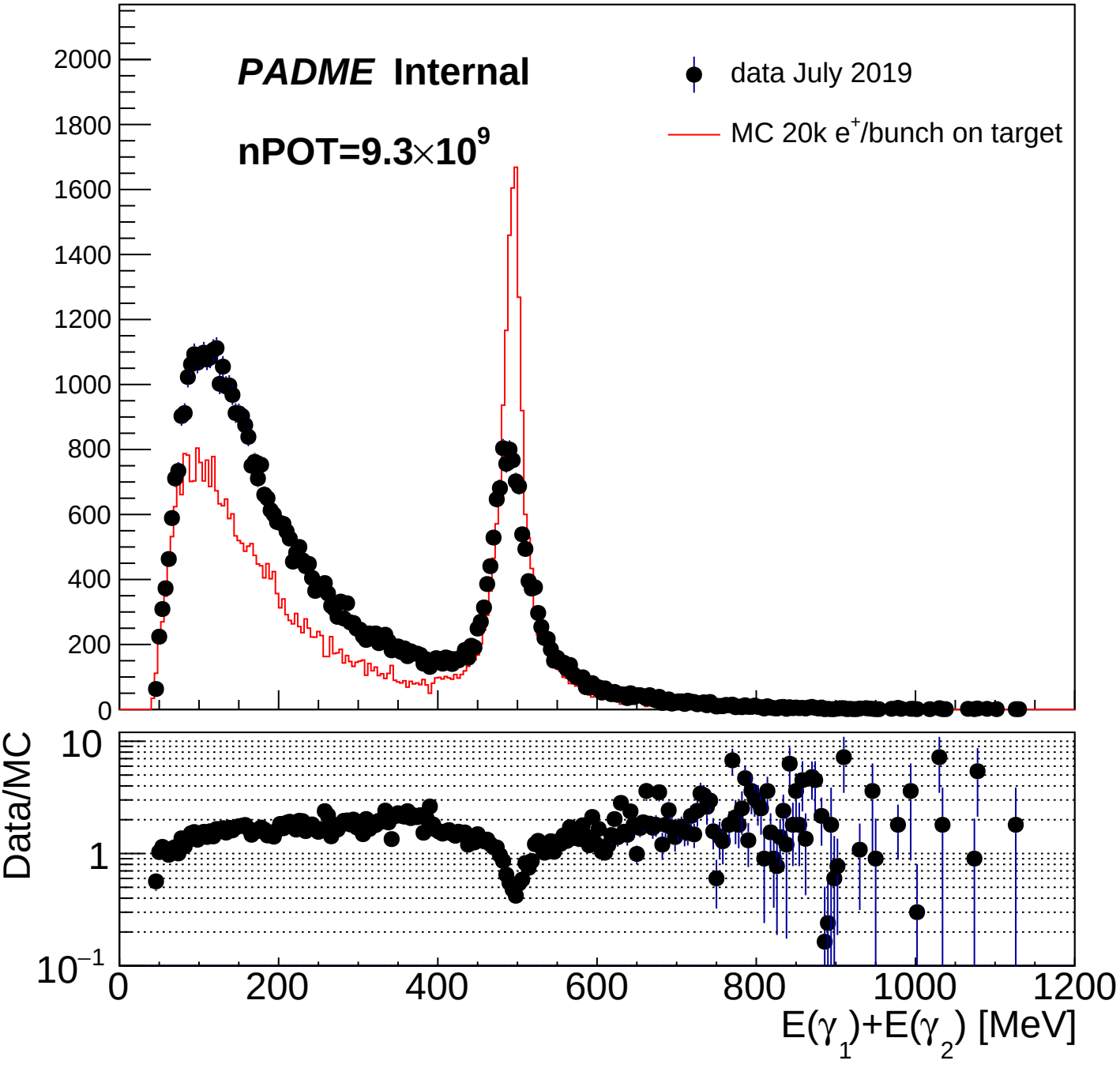
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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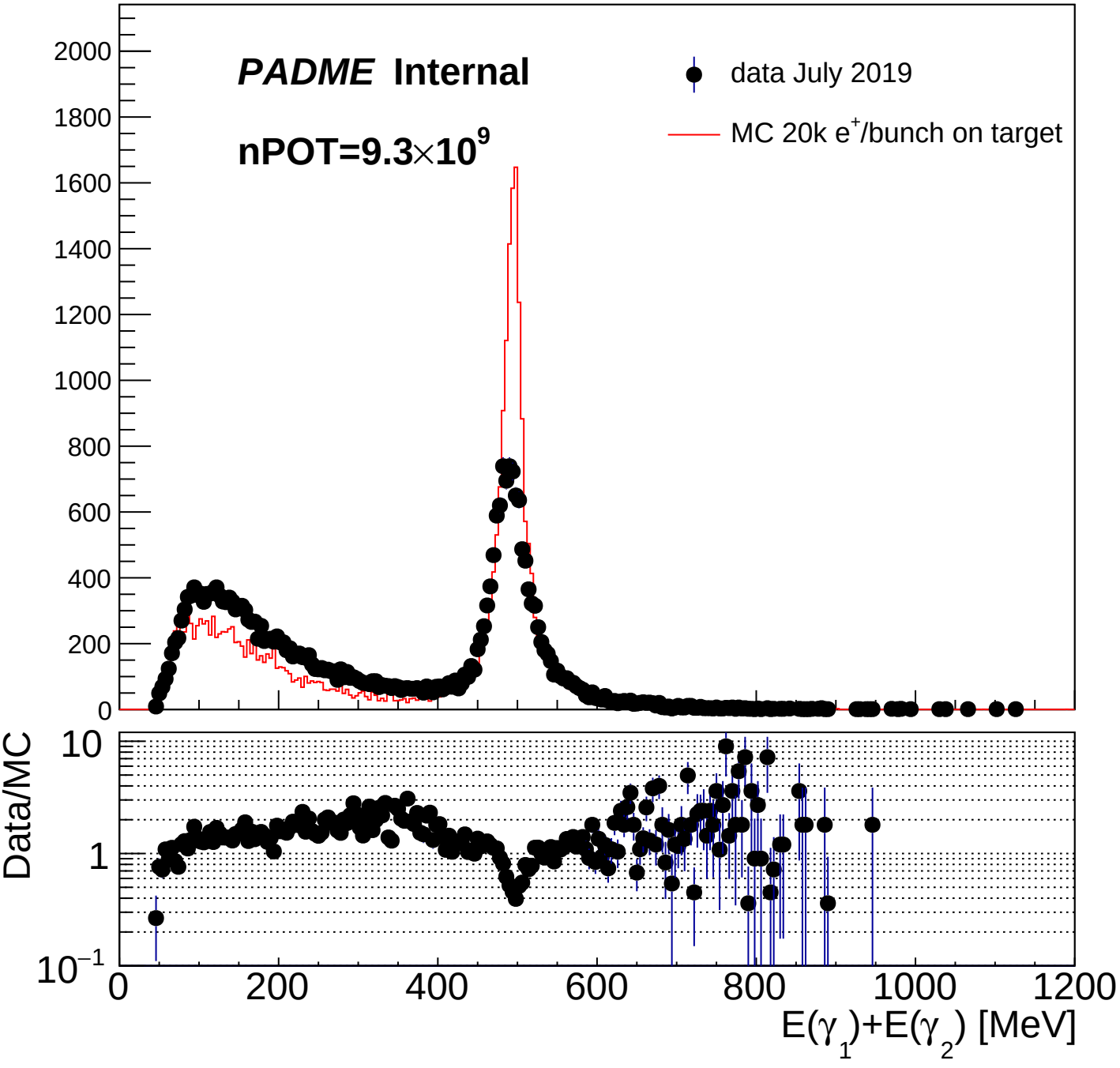
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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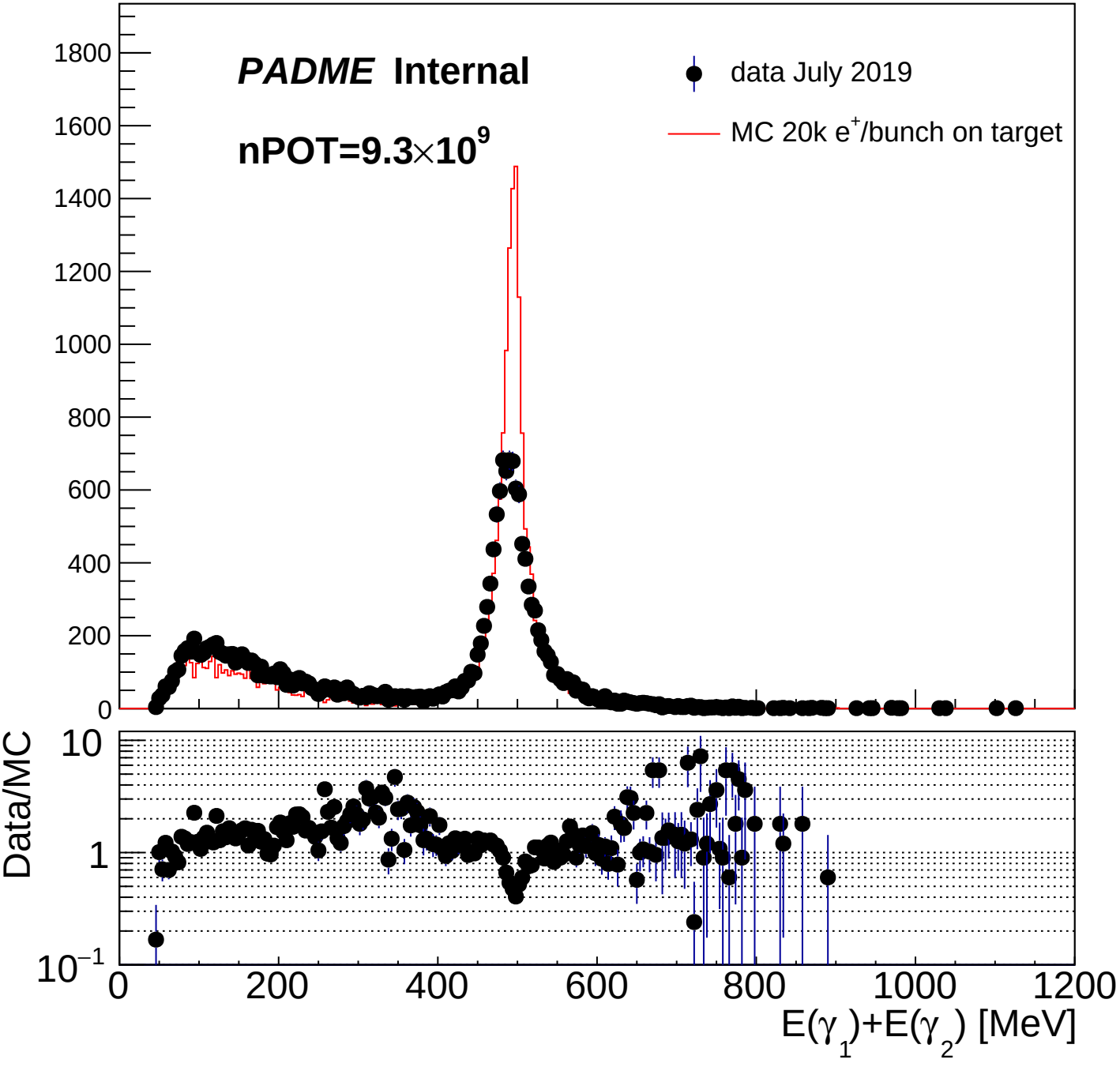
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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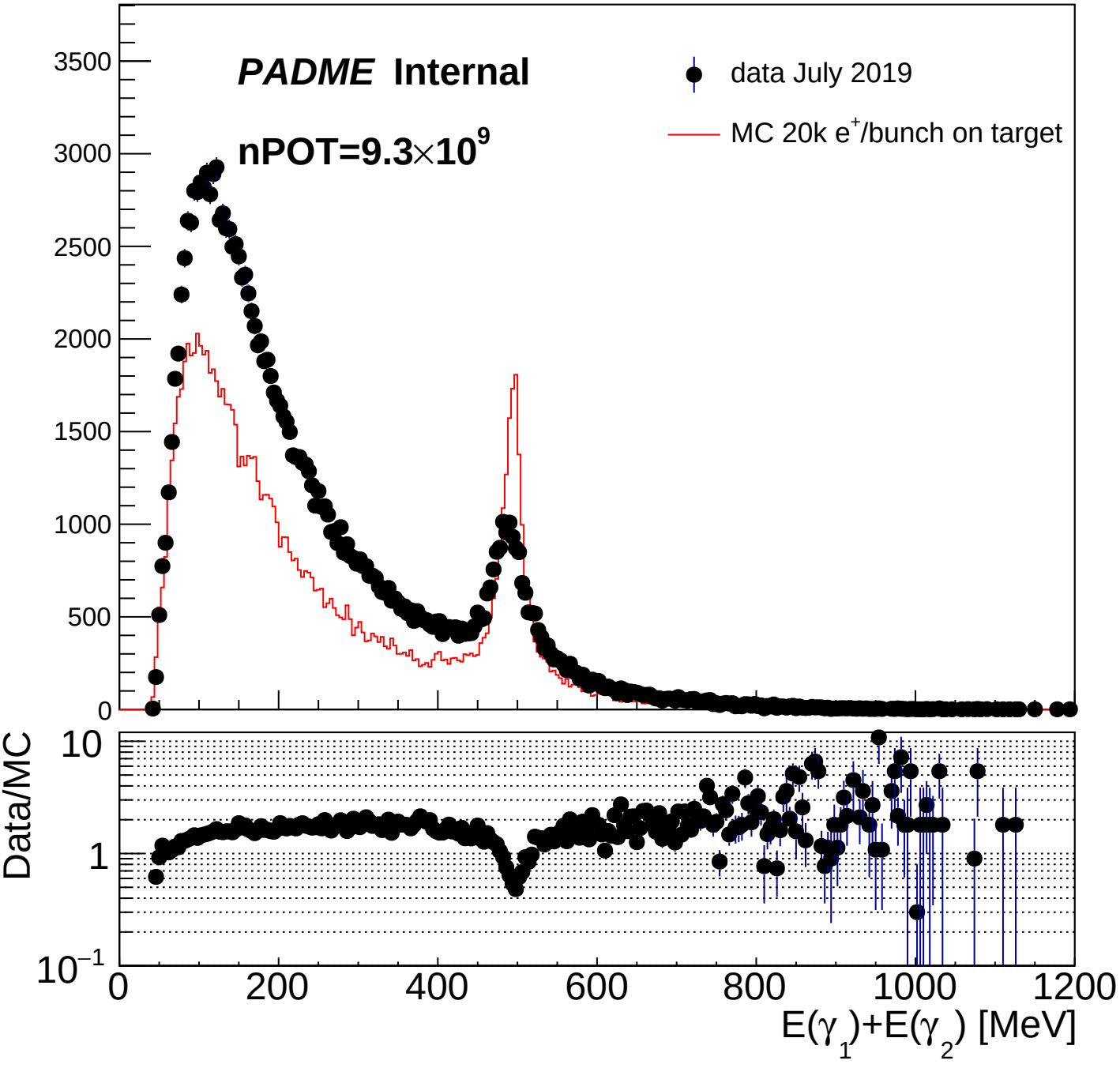
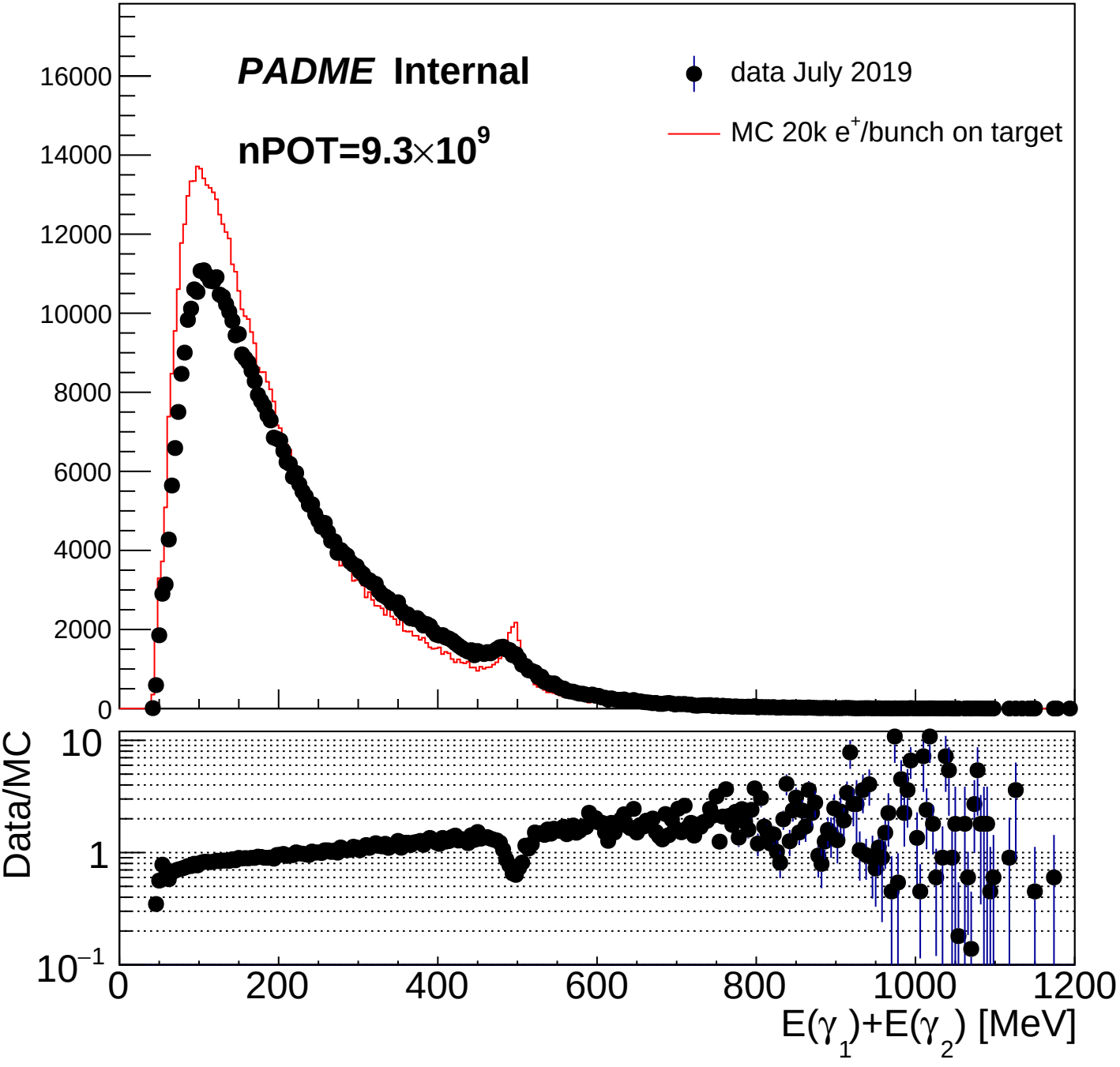
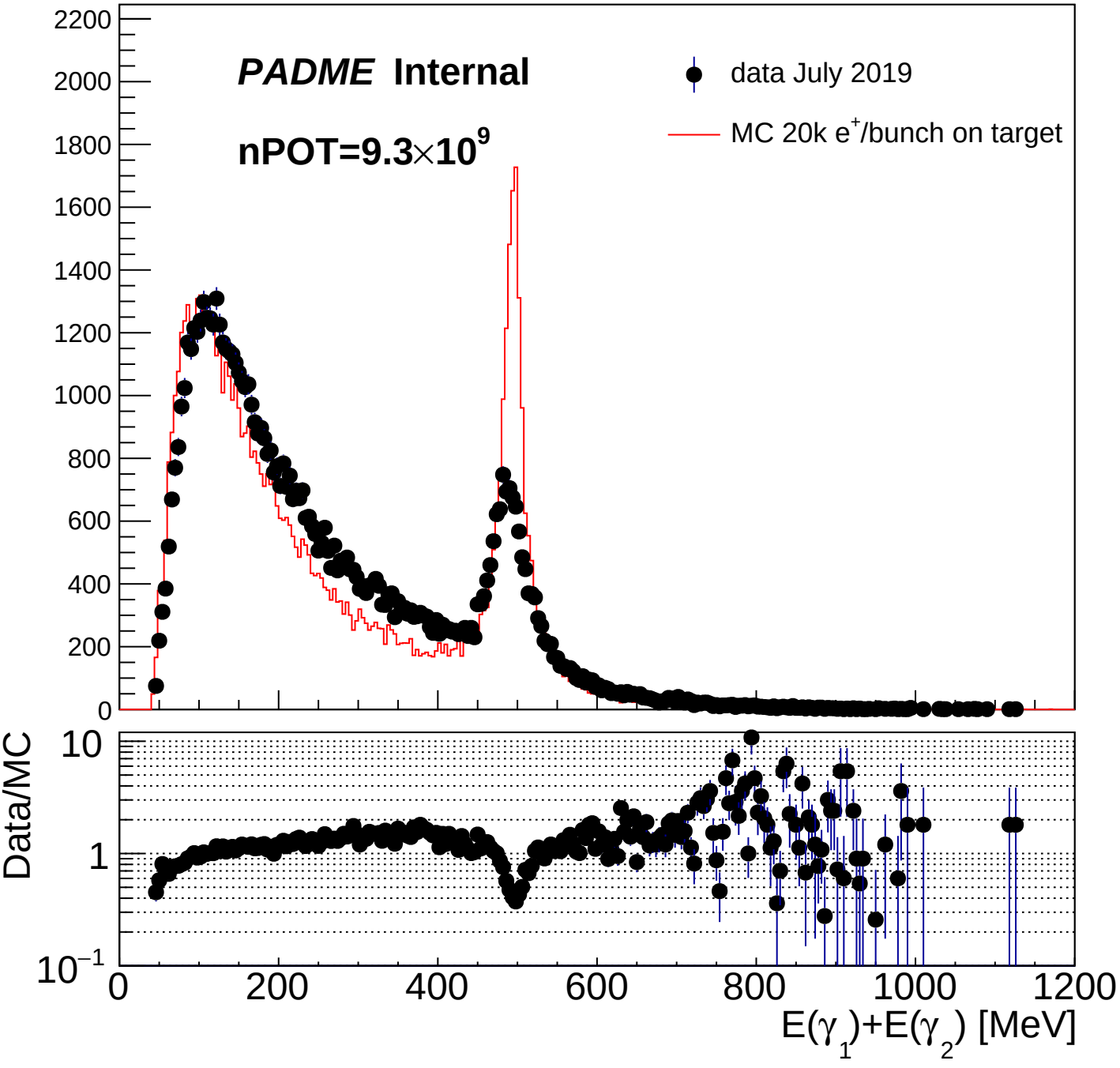
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
3500
3000
2500
2000
1500
1000
500
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
16000
14000
12000
10000
8000
6000
4000
2000
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]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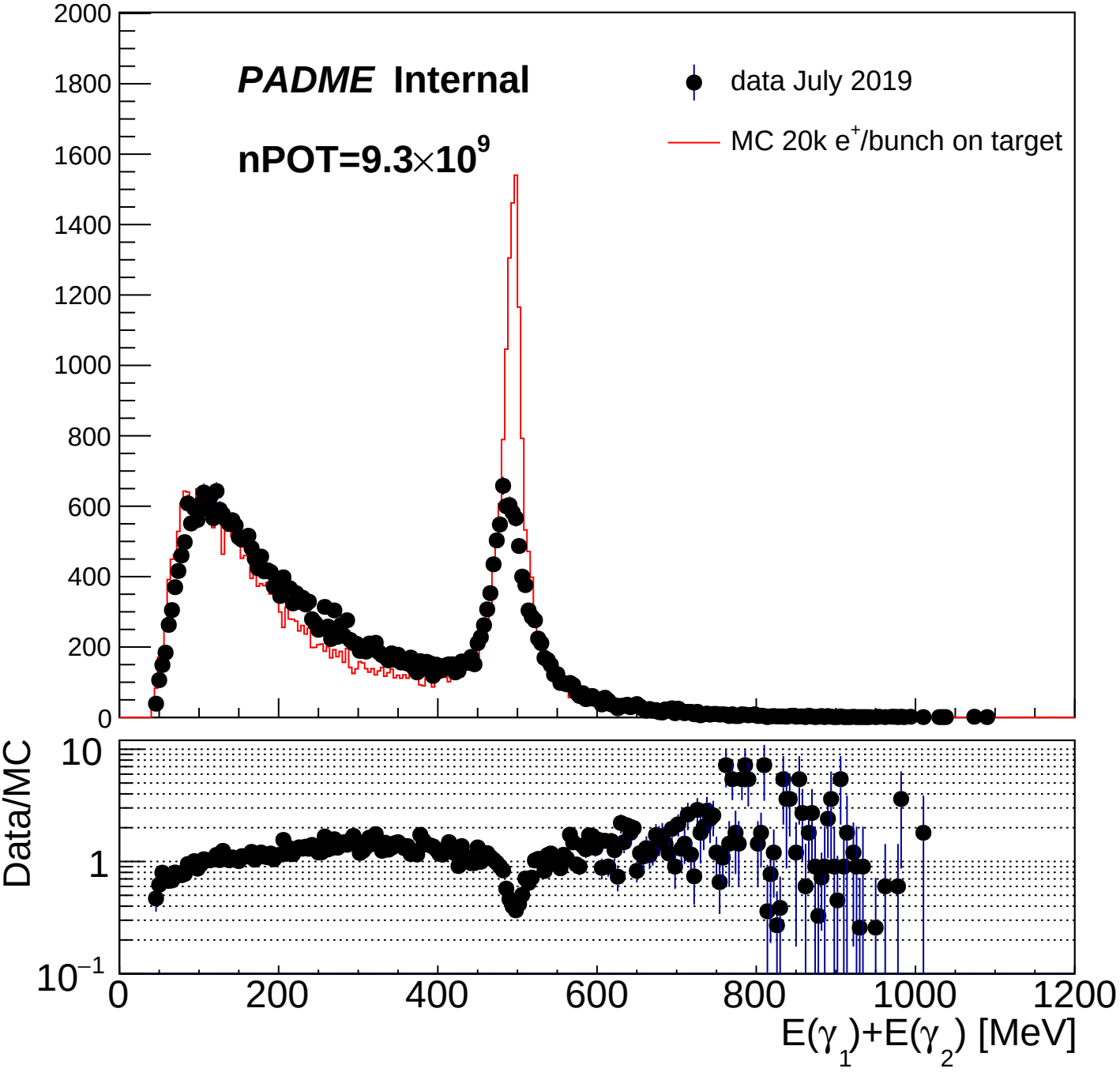
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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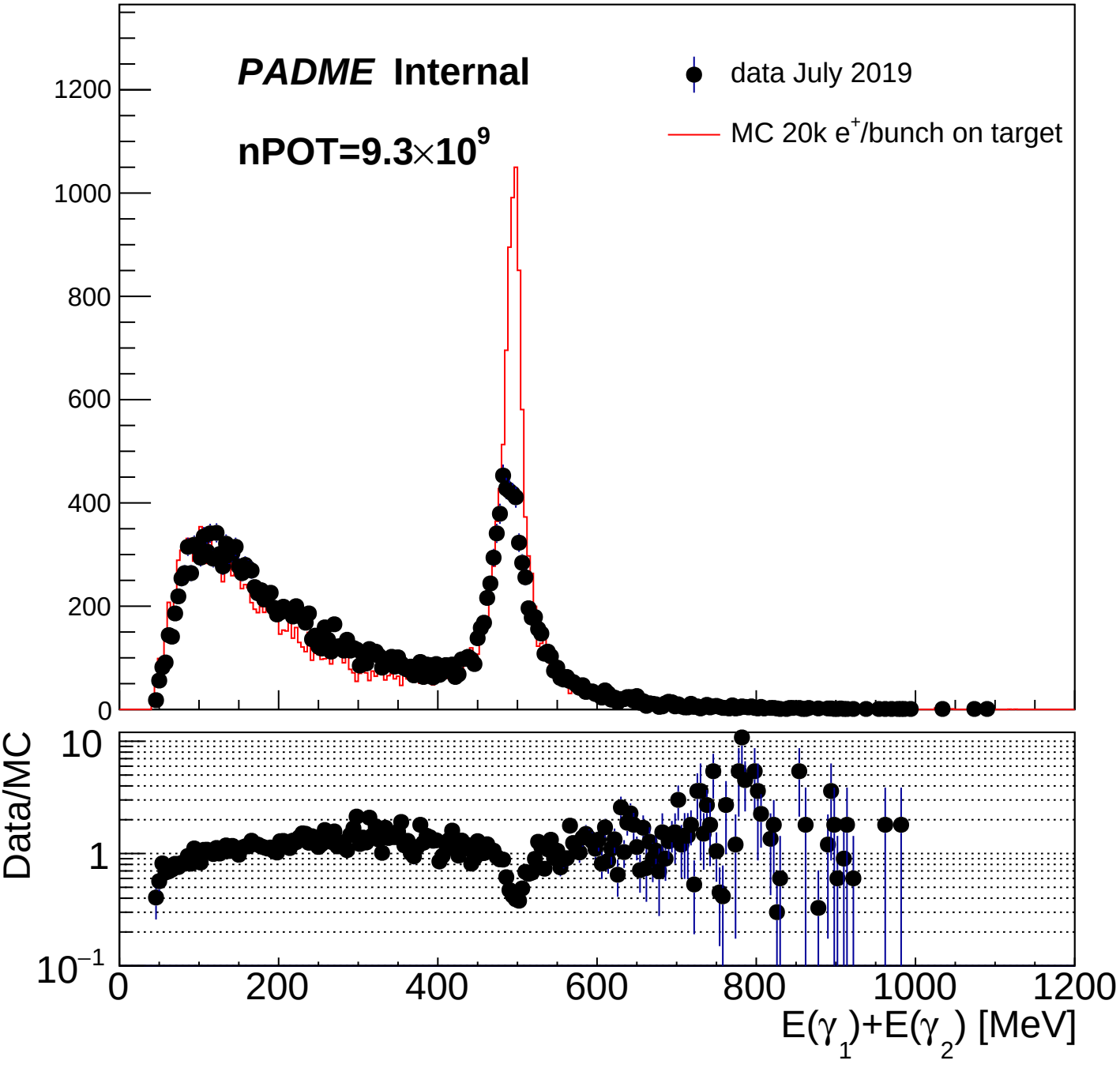
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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nPOT=9.3×10^9
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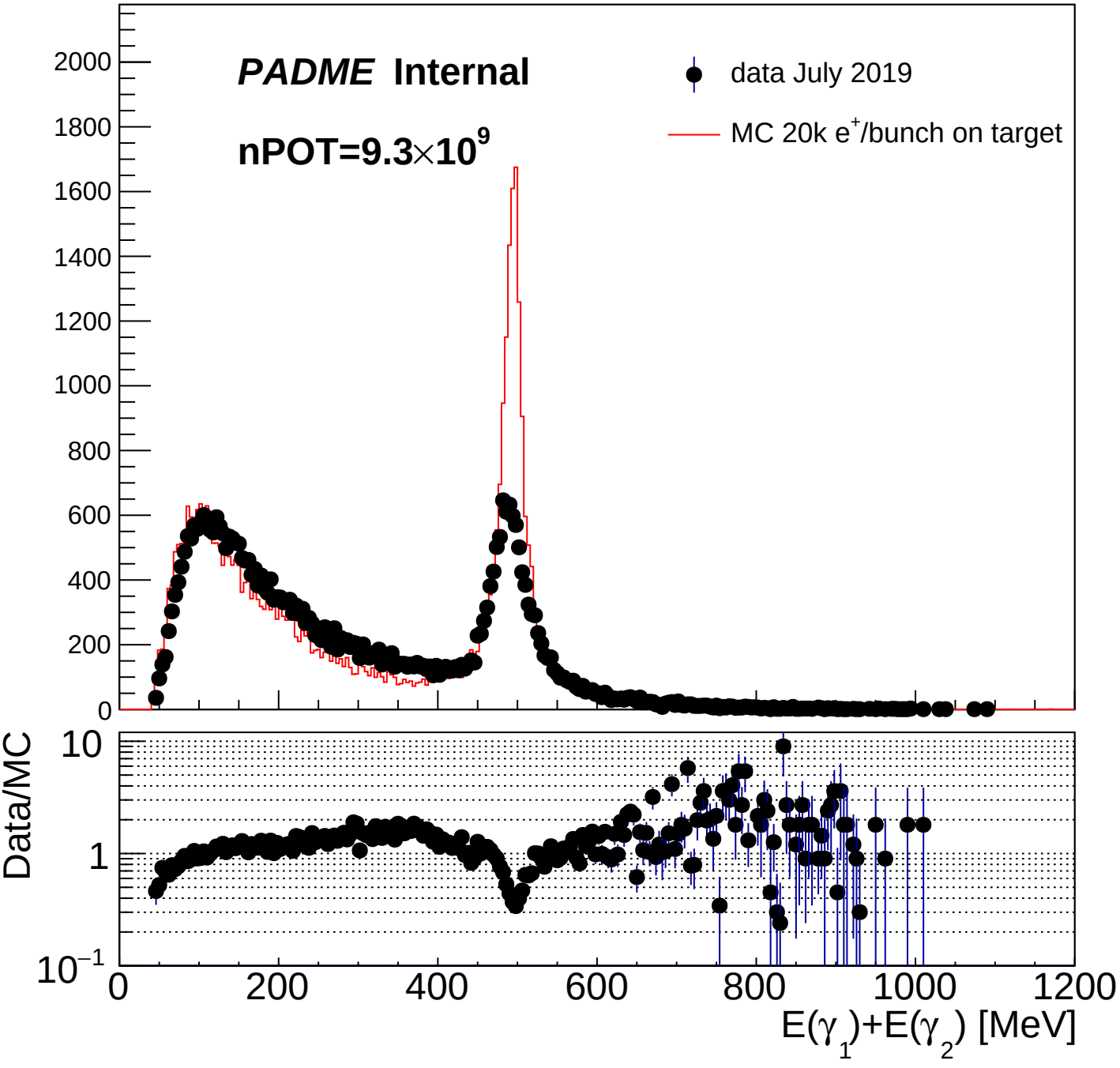
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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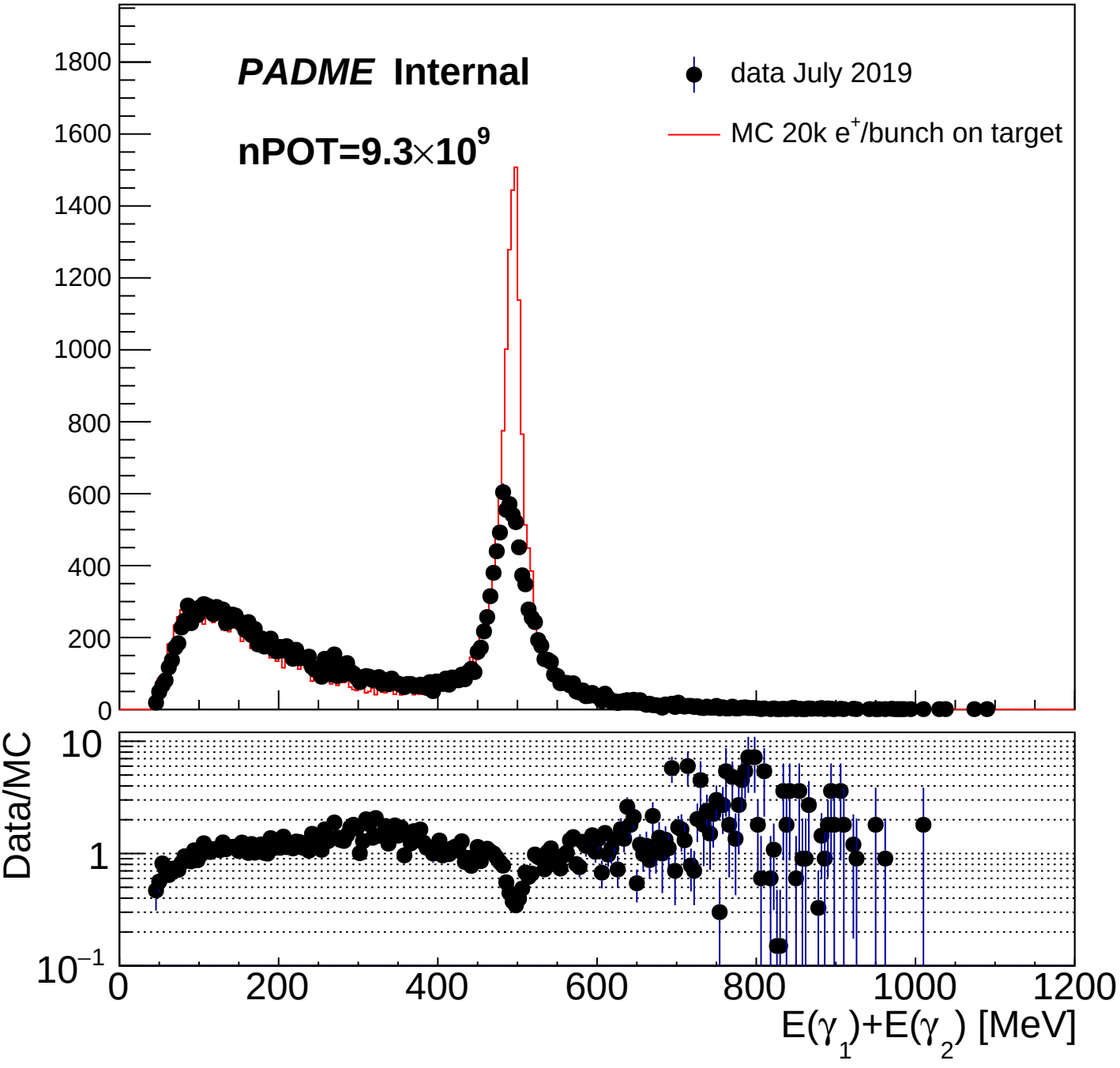
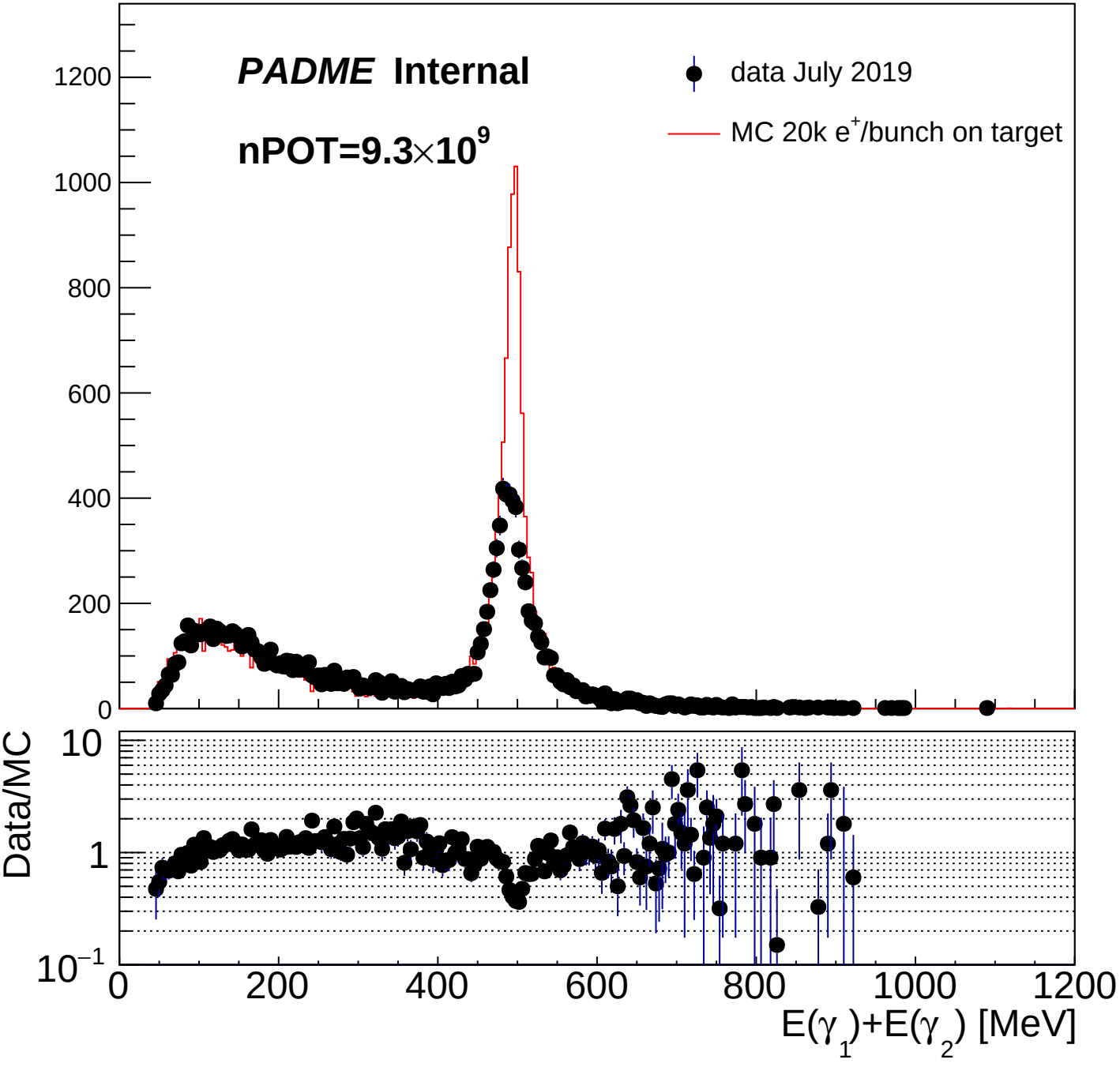
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
1800
1600
1400
1200
1000
800
600
400
200
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]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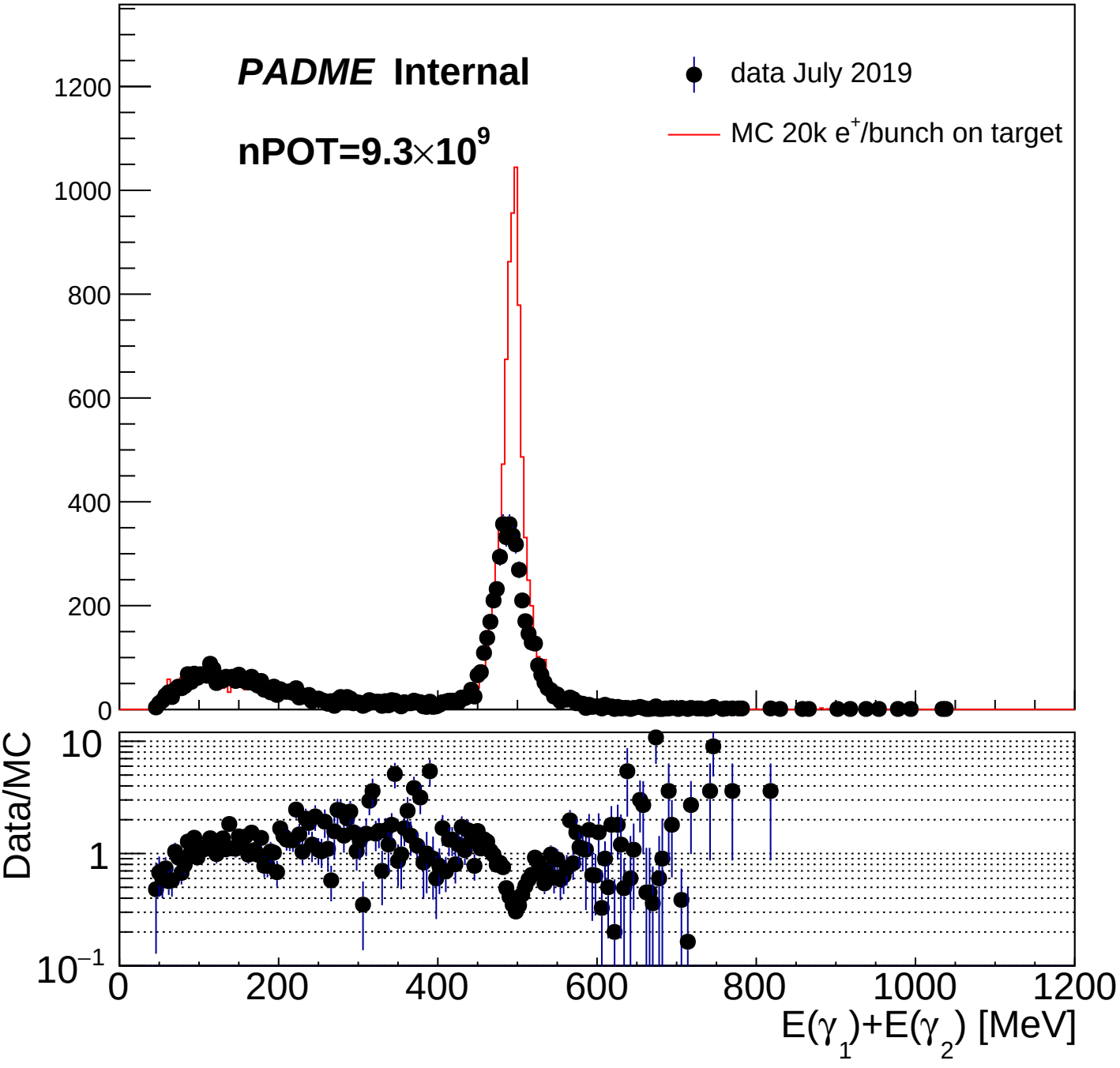
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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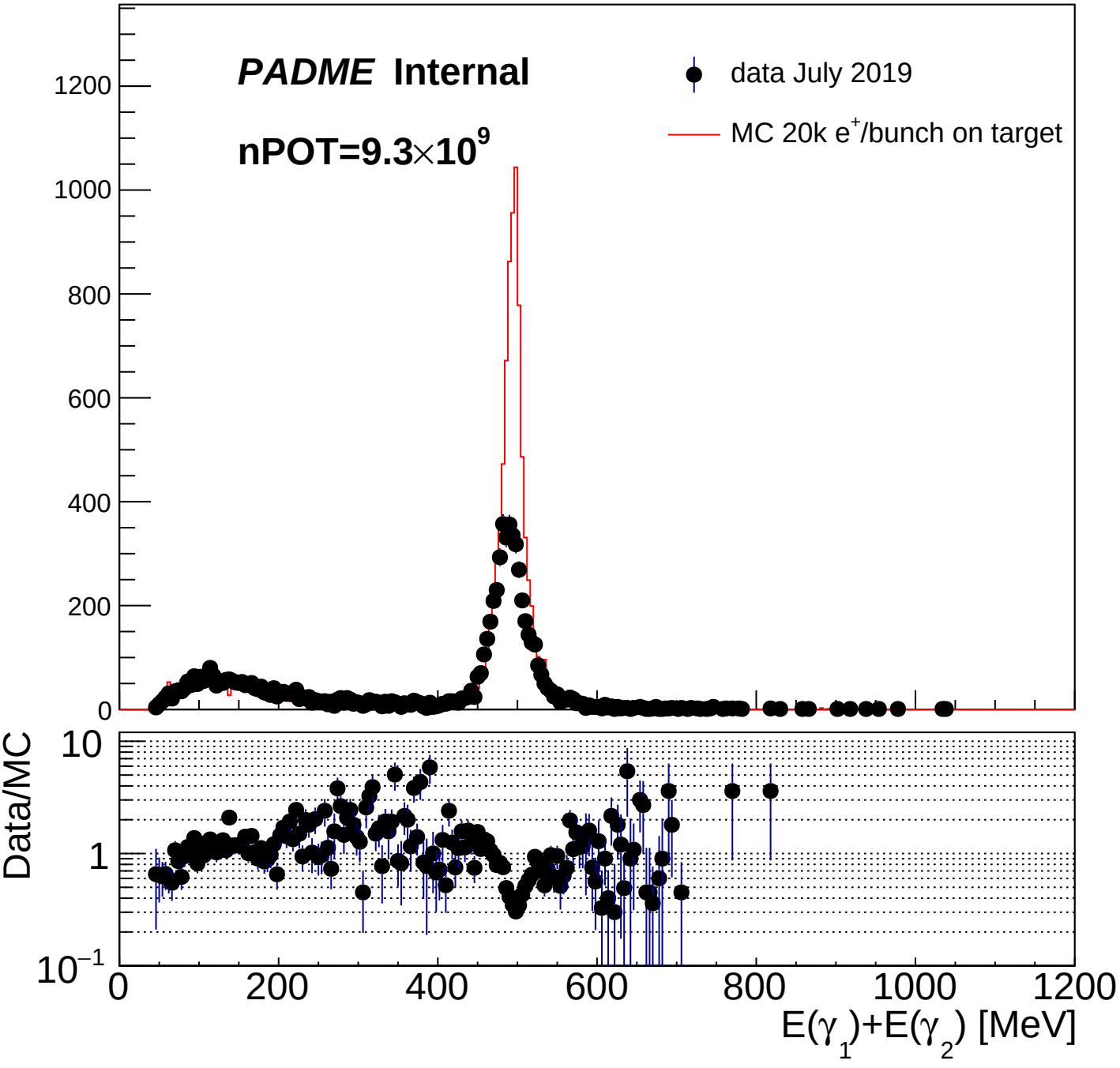
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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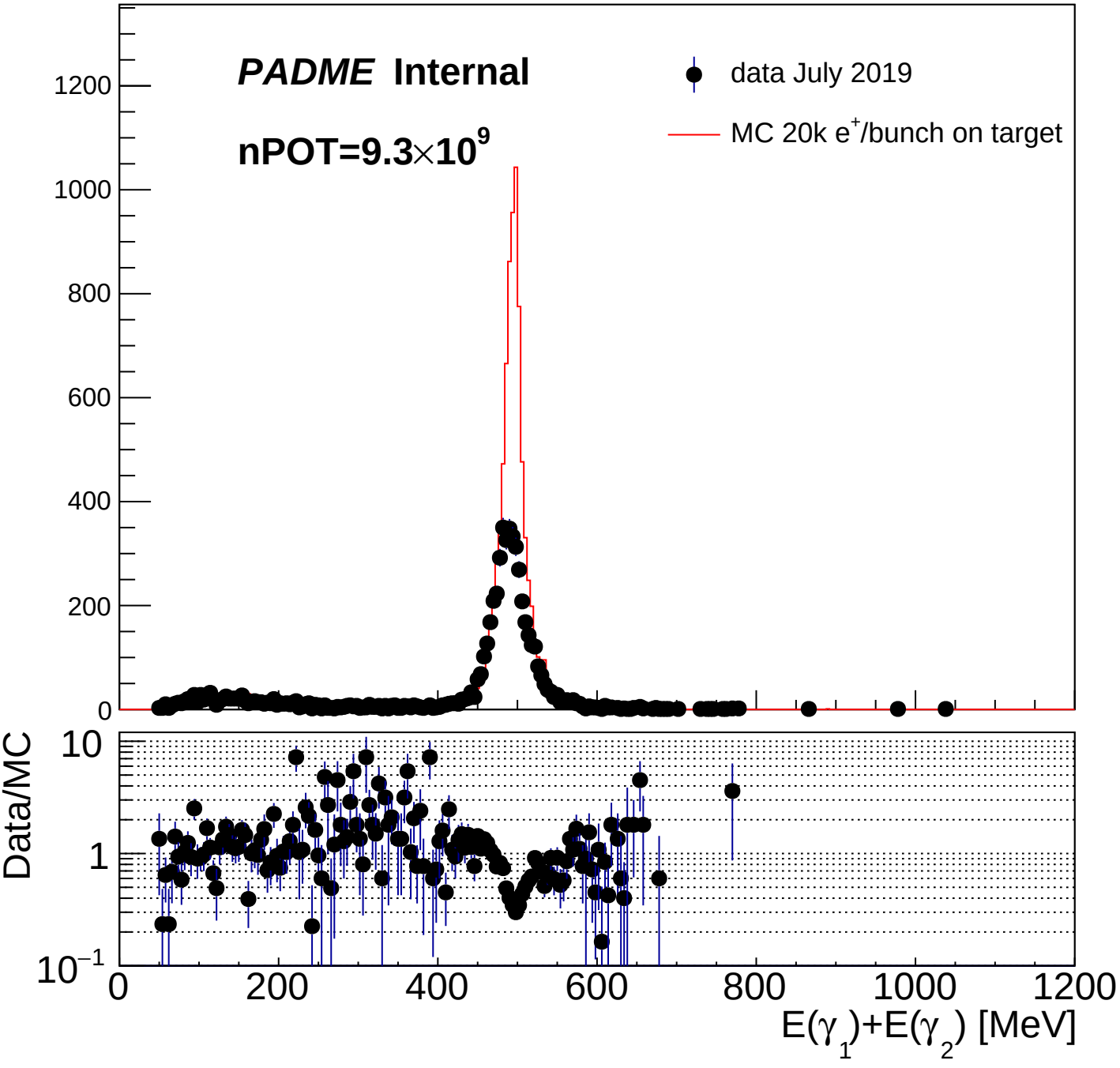
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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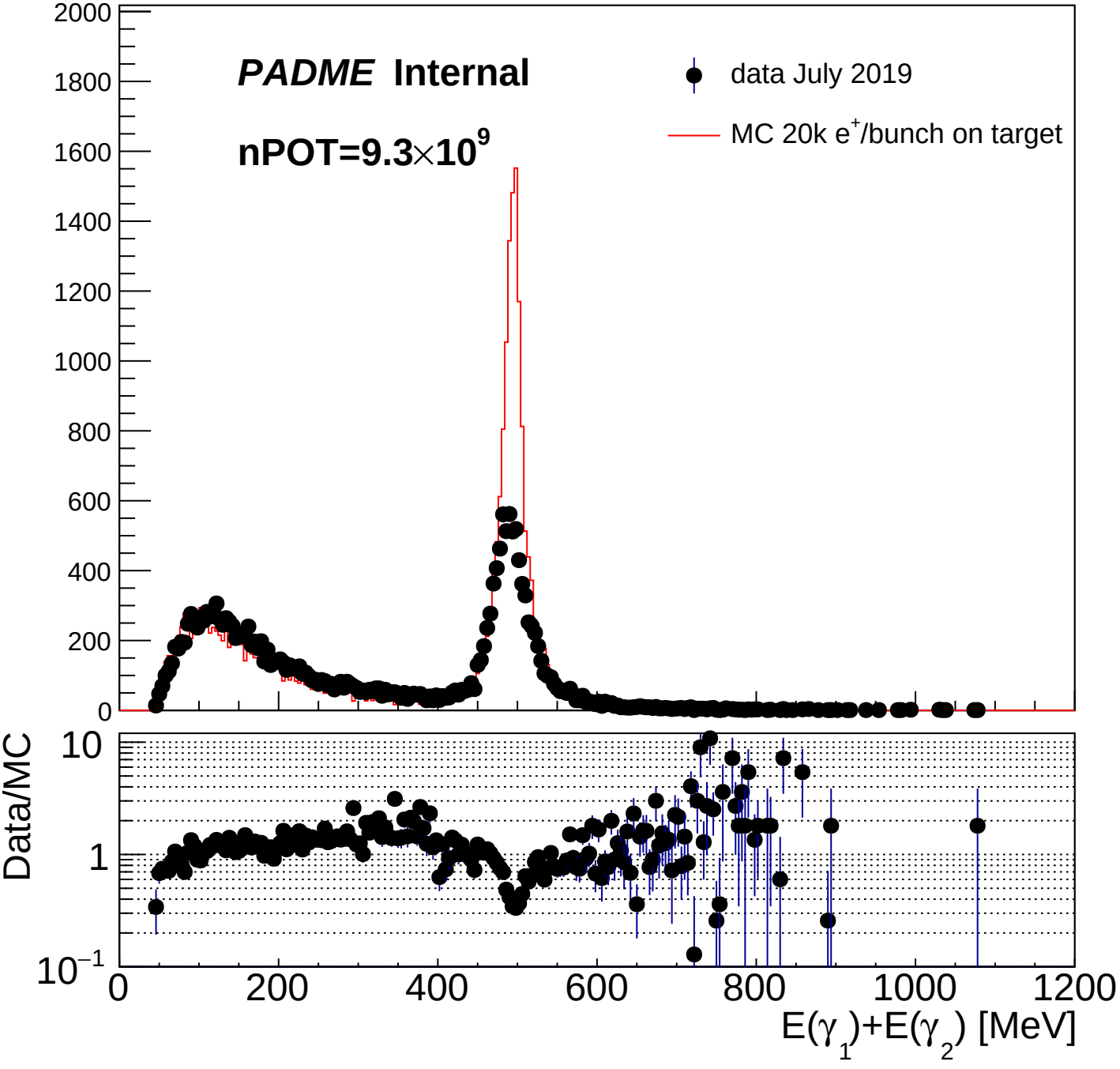
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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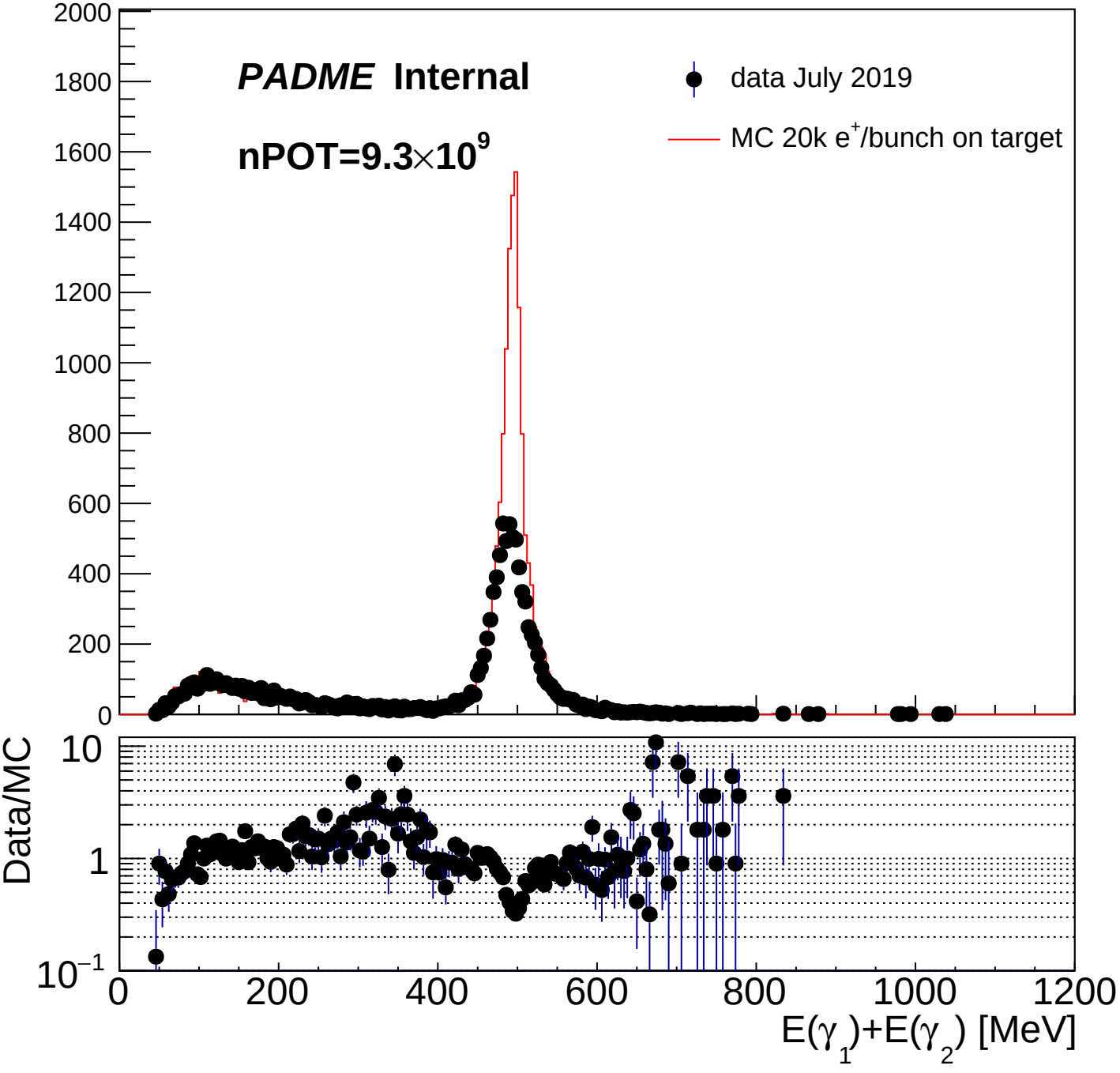
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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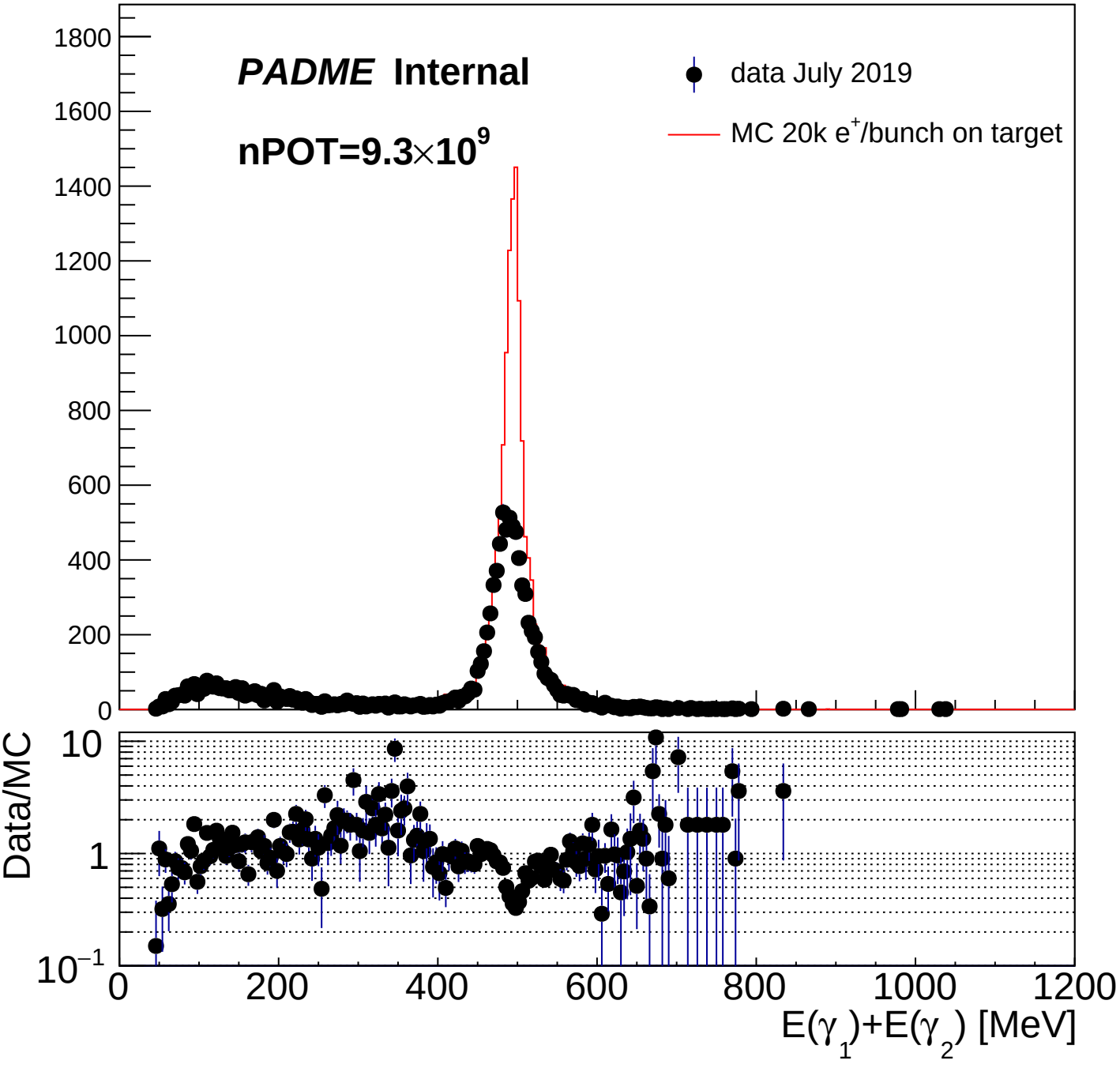
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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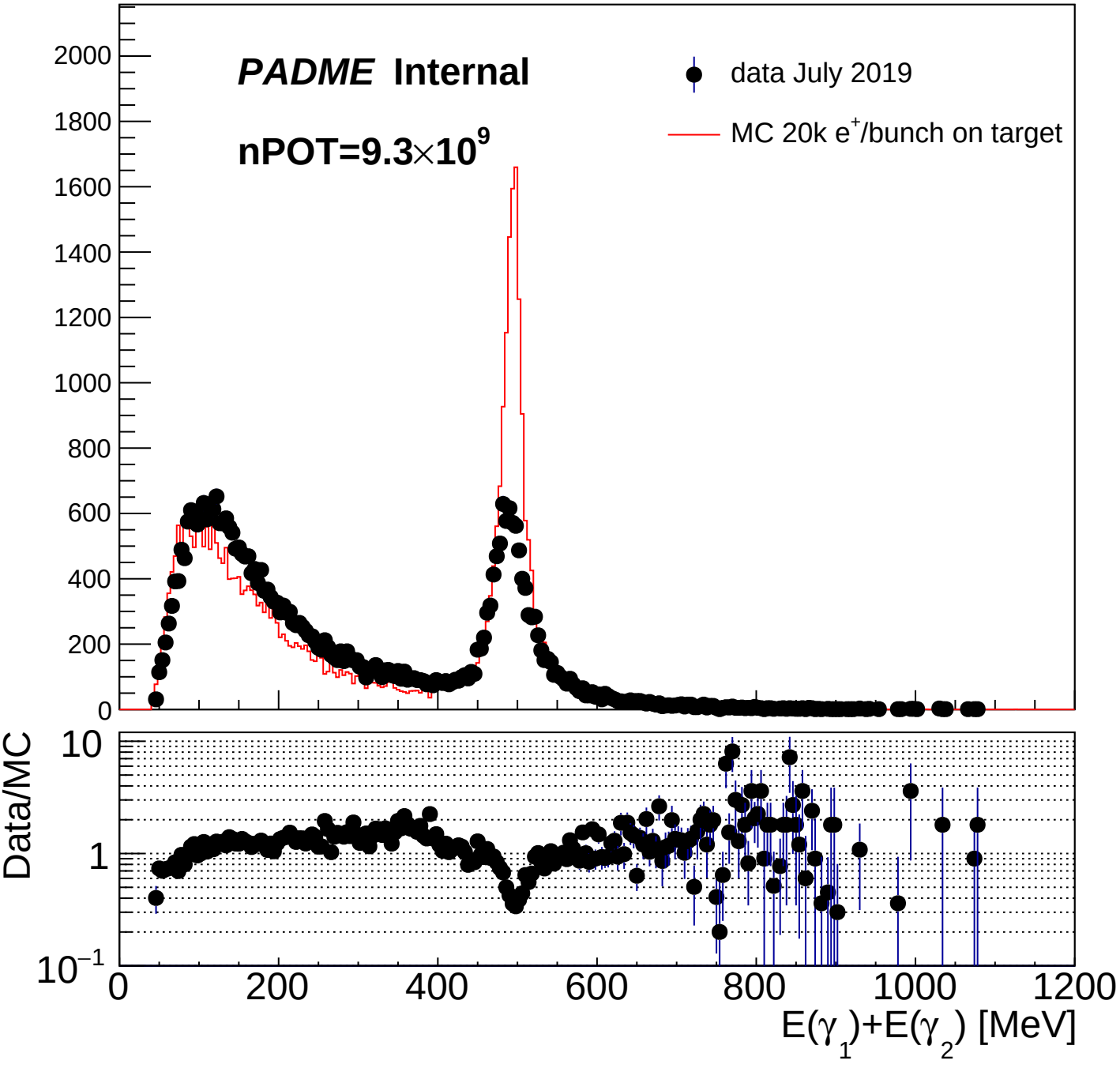
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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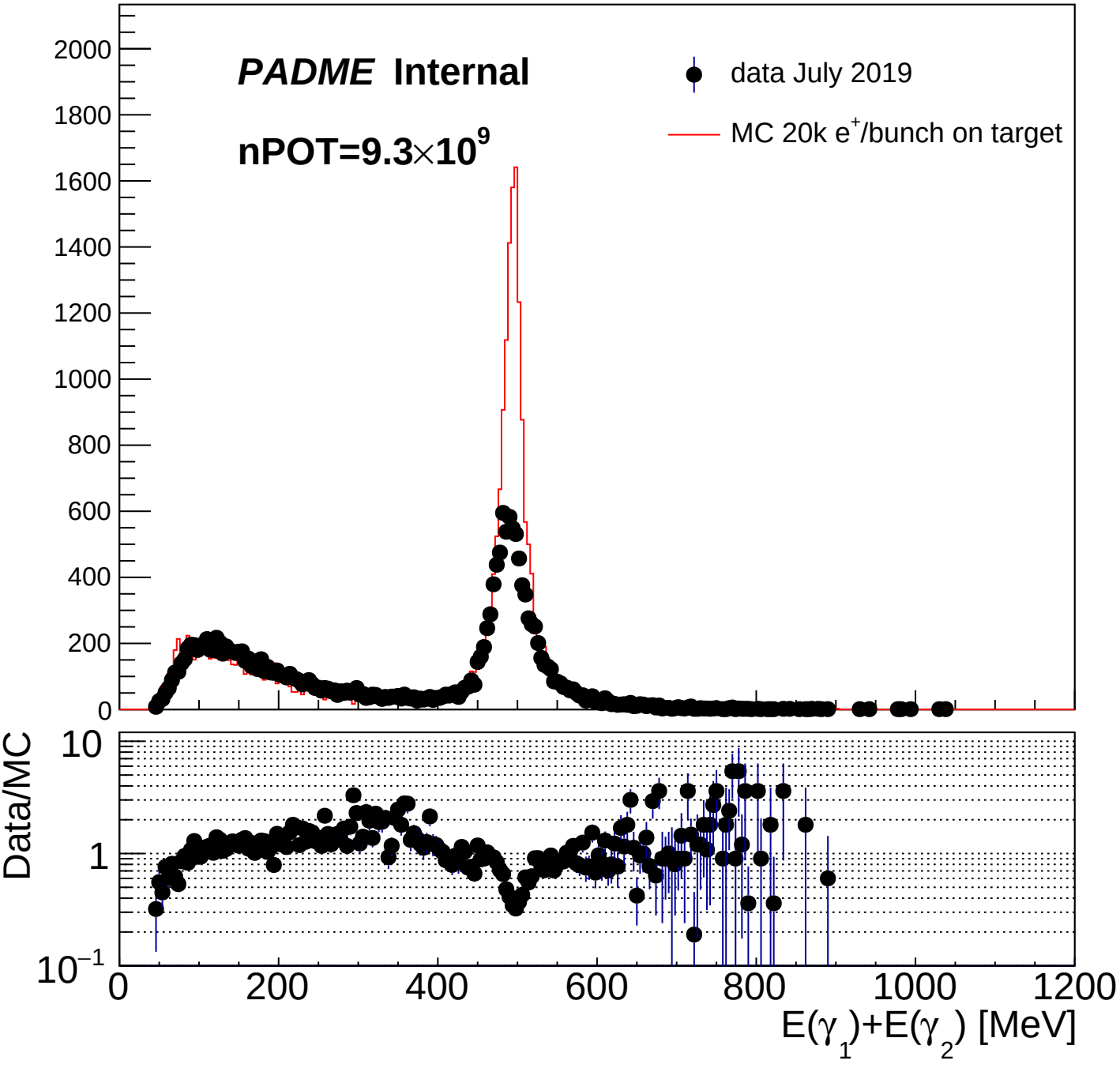
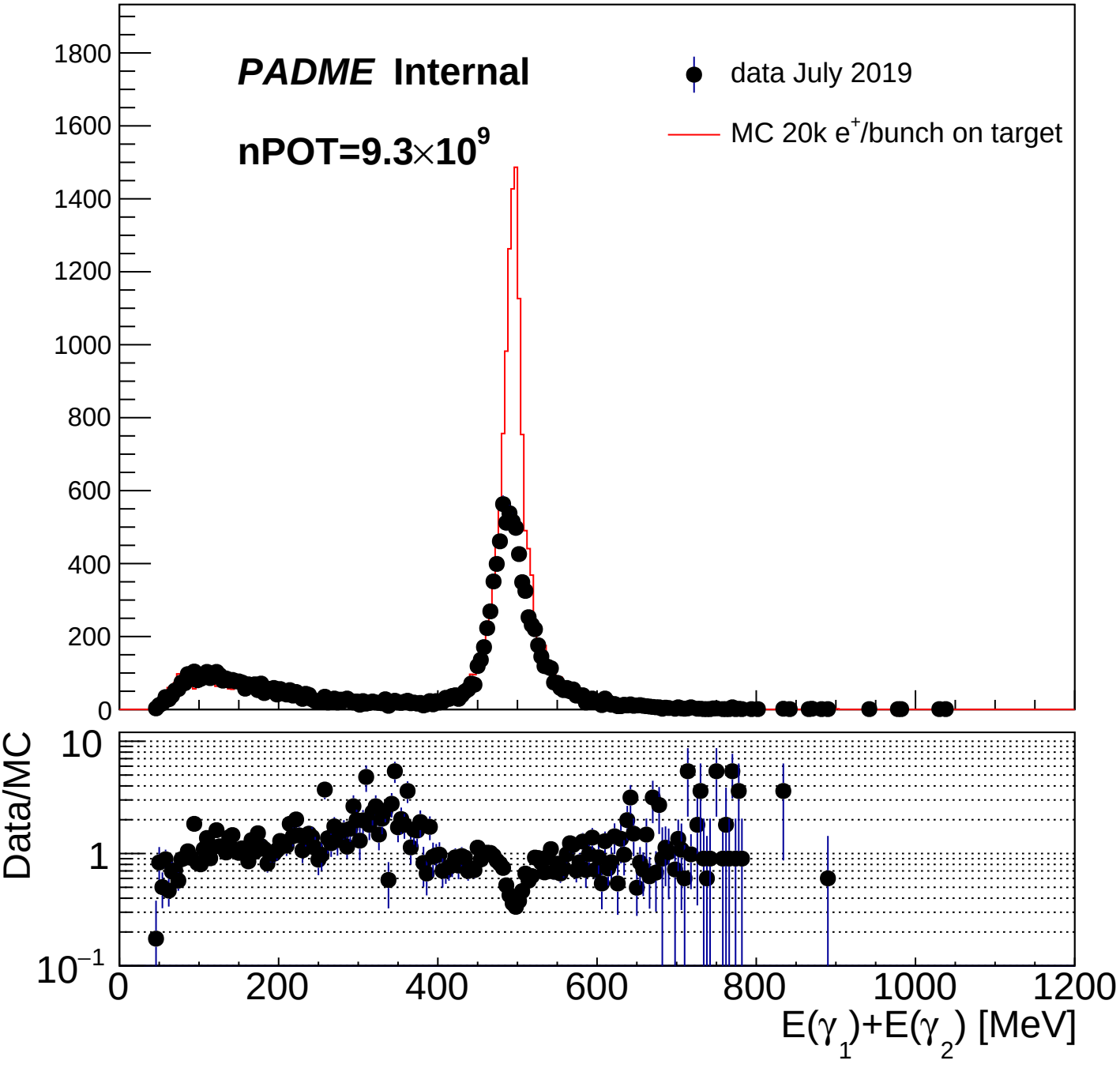
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Data/MC
10
1
10^−1
0
200
400
600
800
1000
1200
E(γ1)+E(γ2) [MeV]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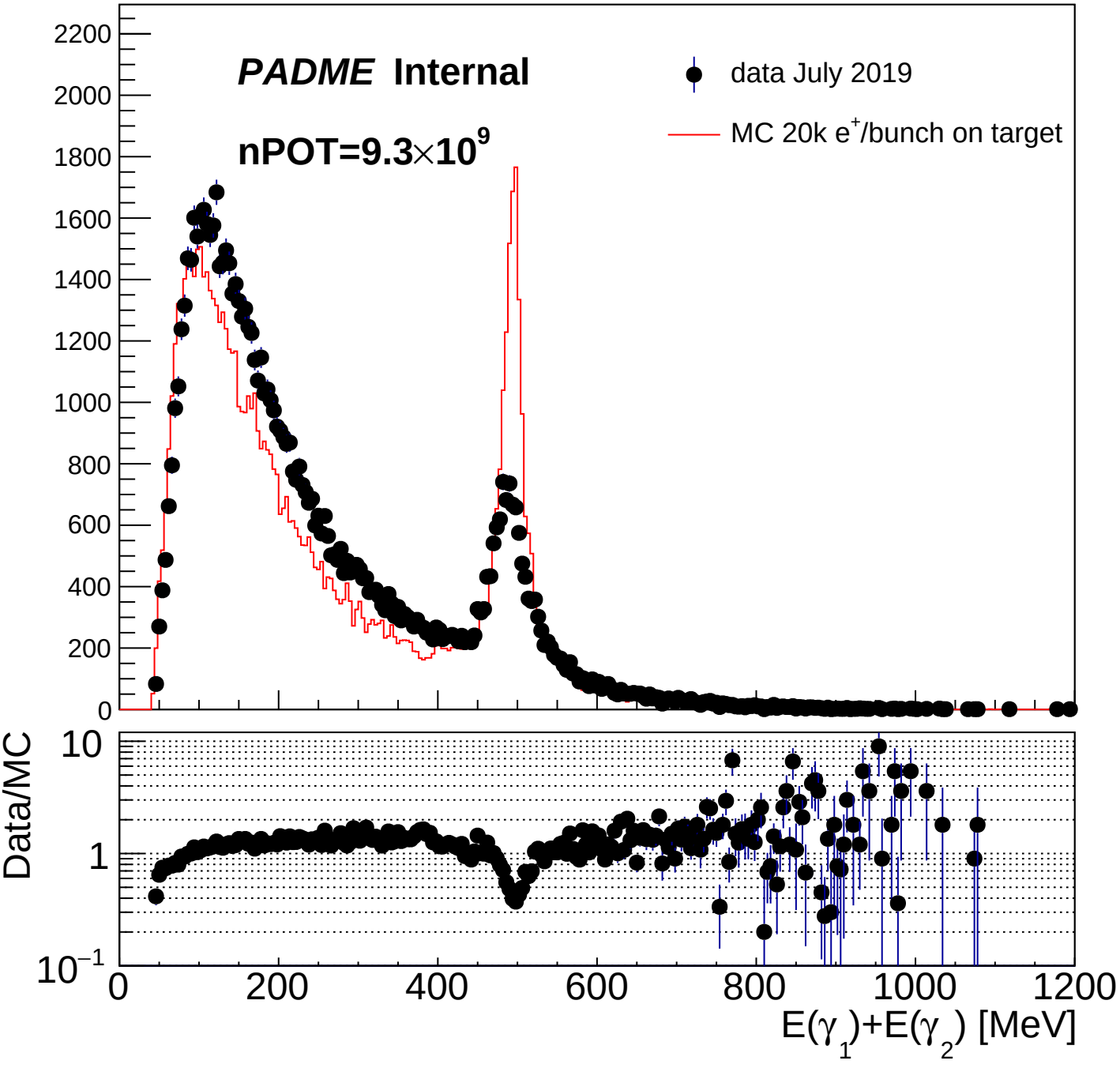
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]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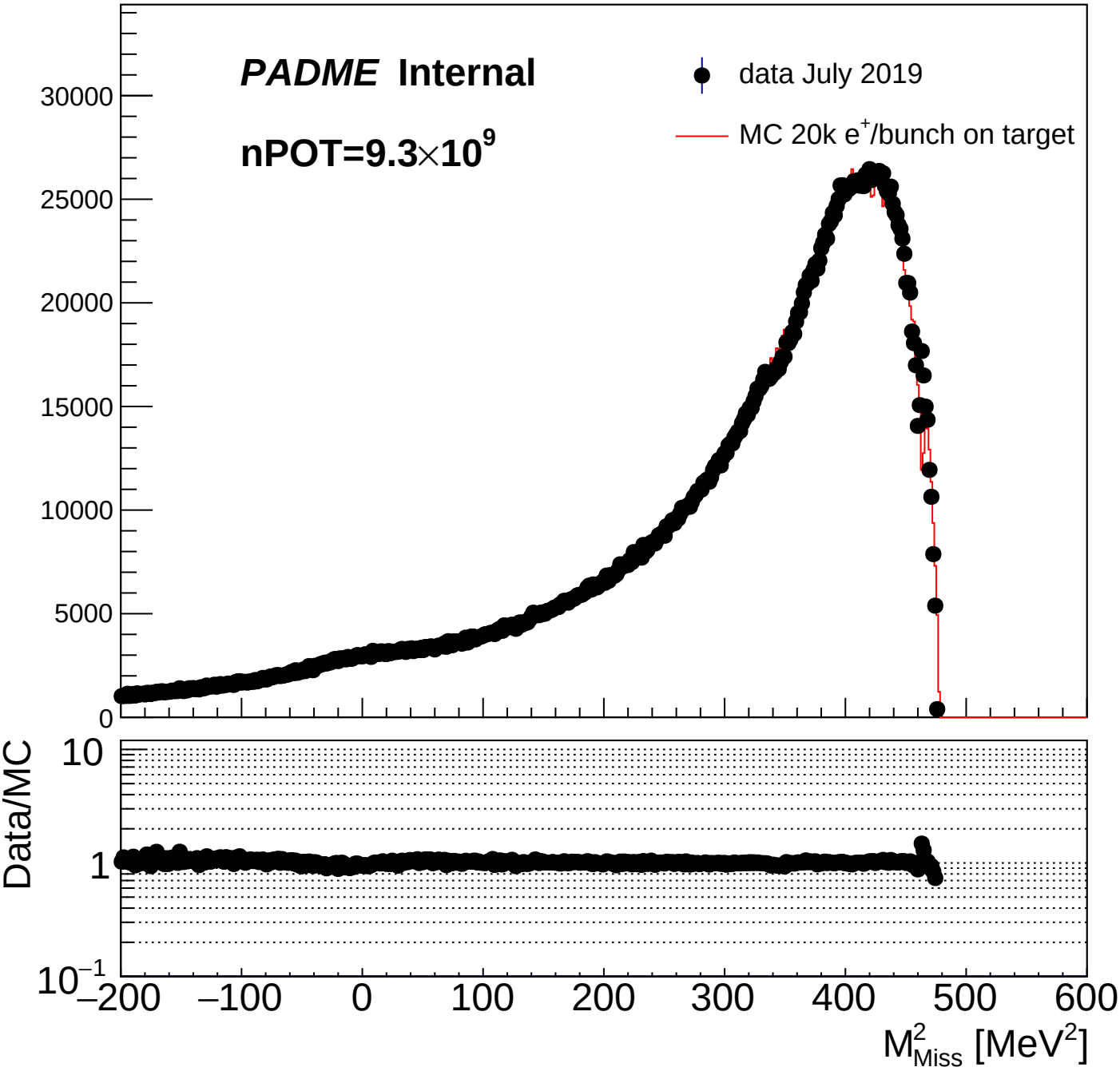
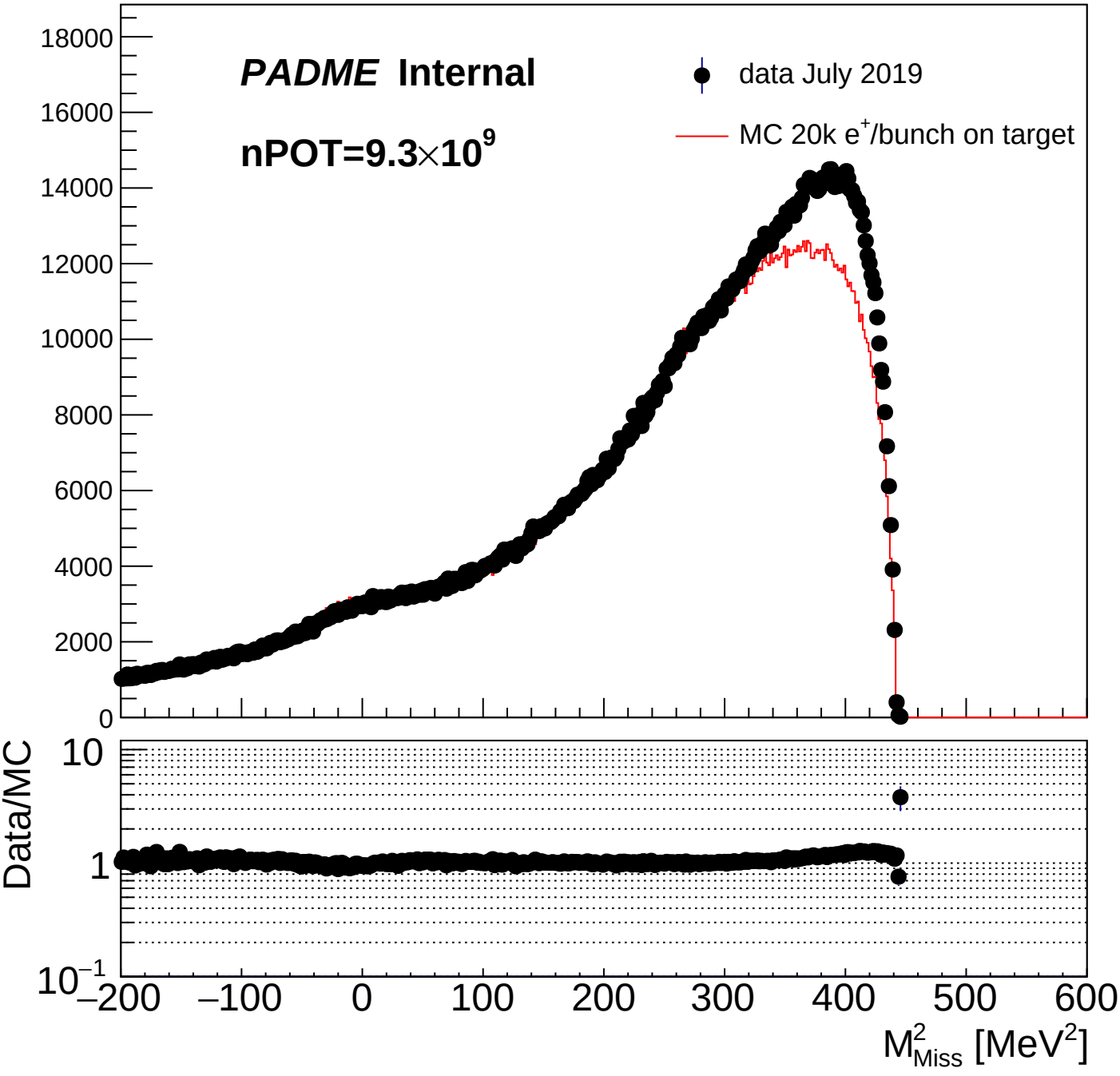
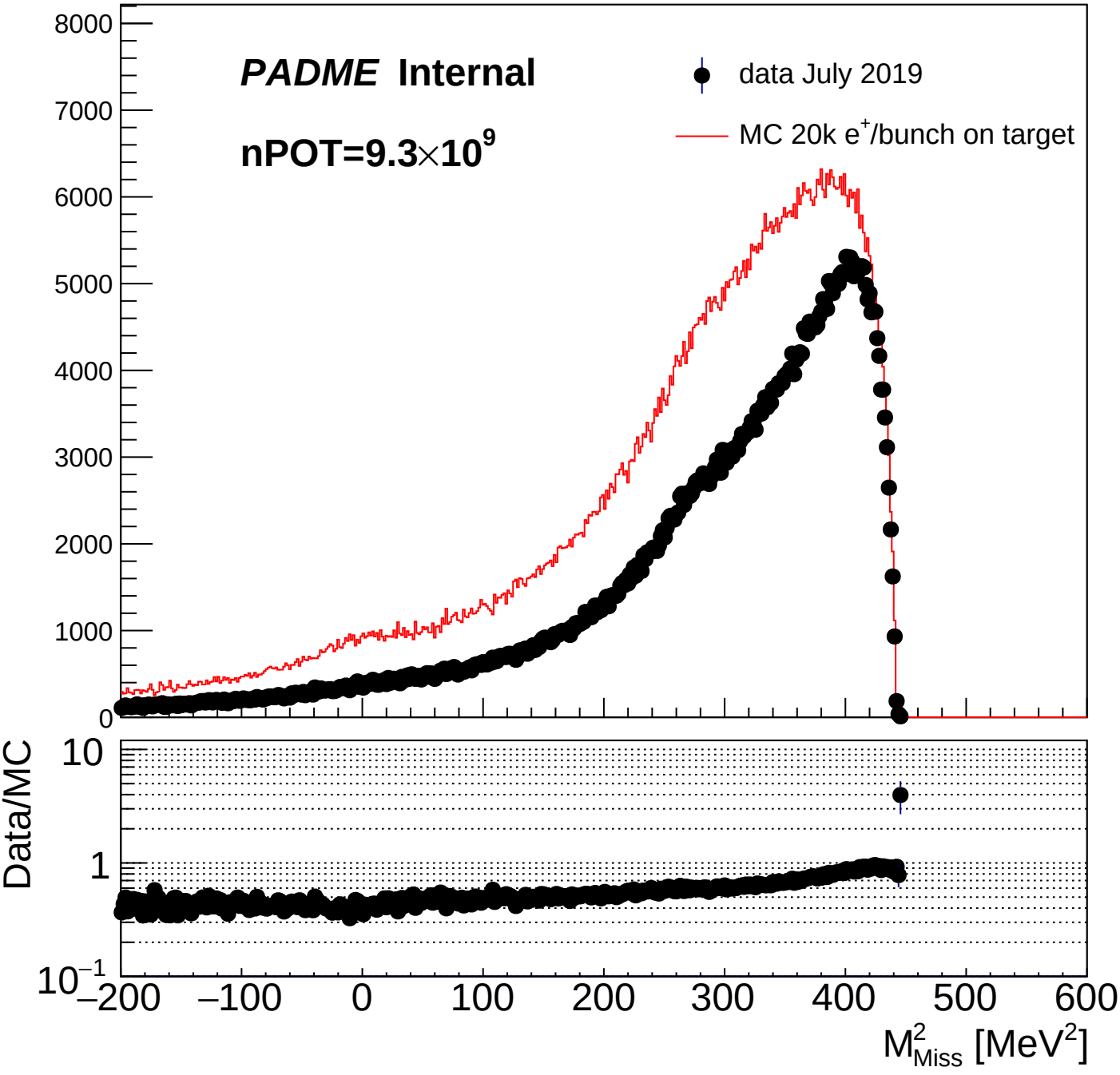
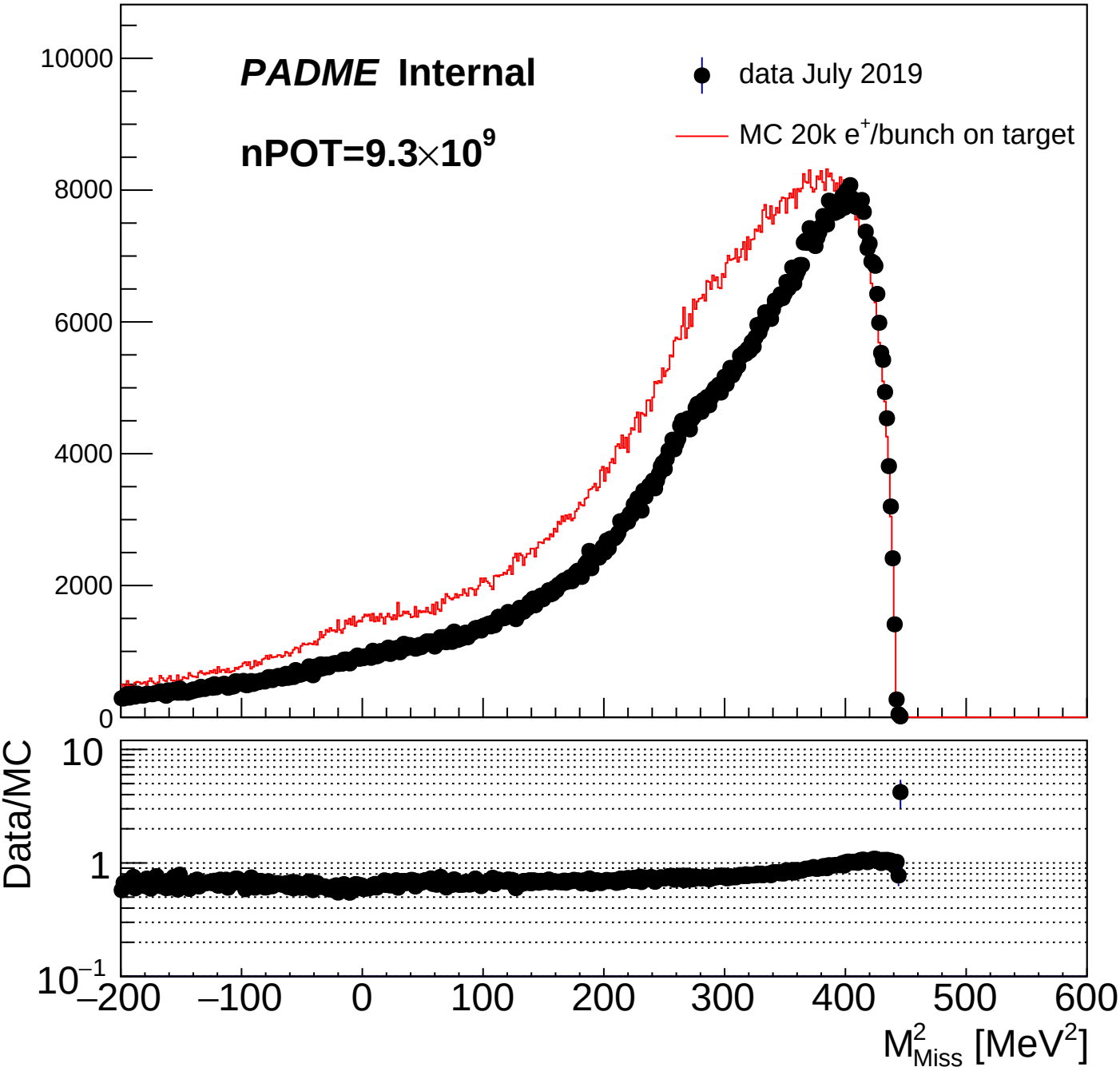
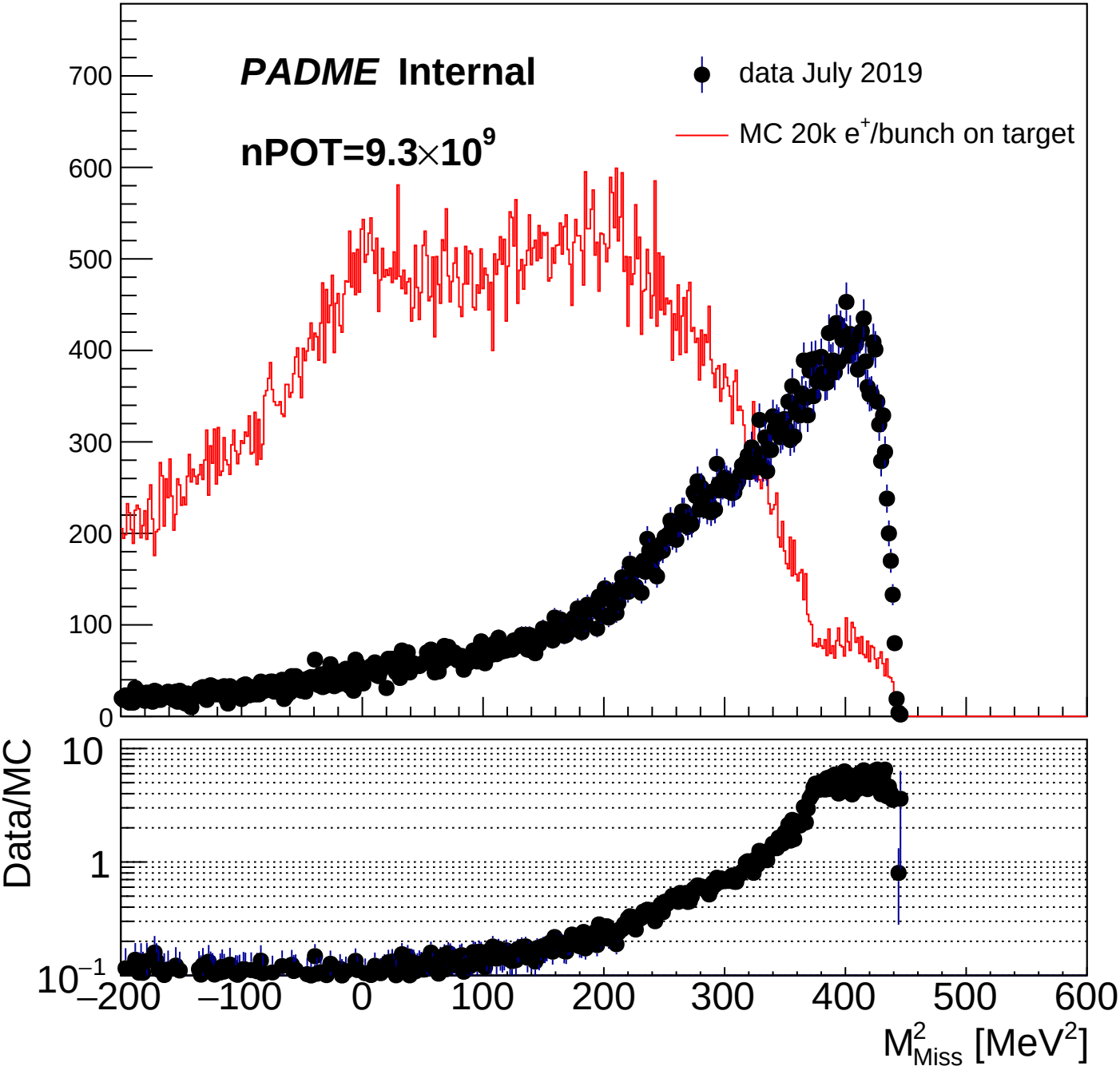
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E(γ1)+E(γ2) [MeV]

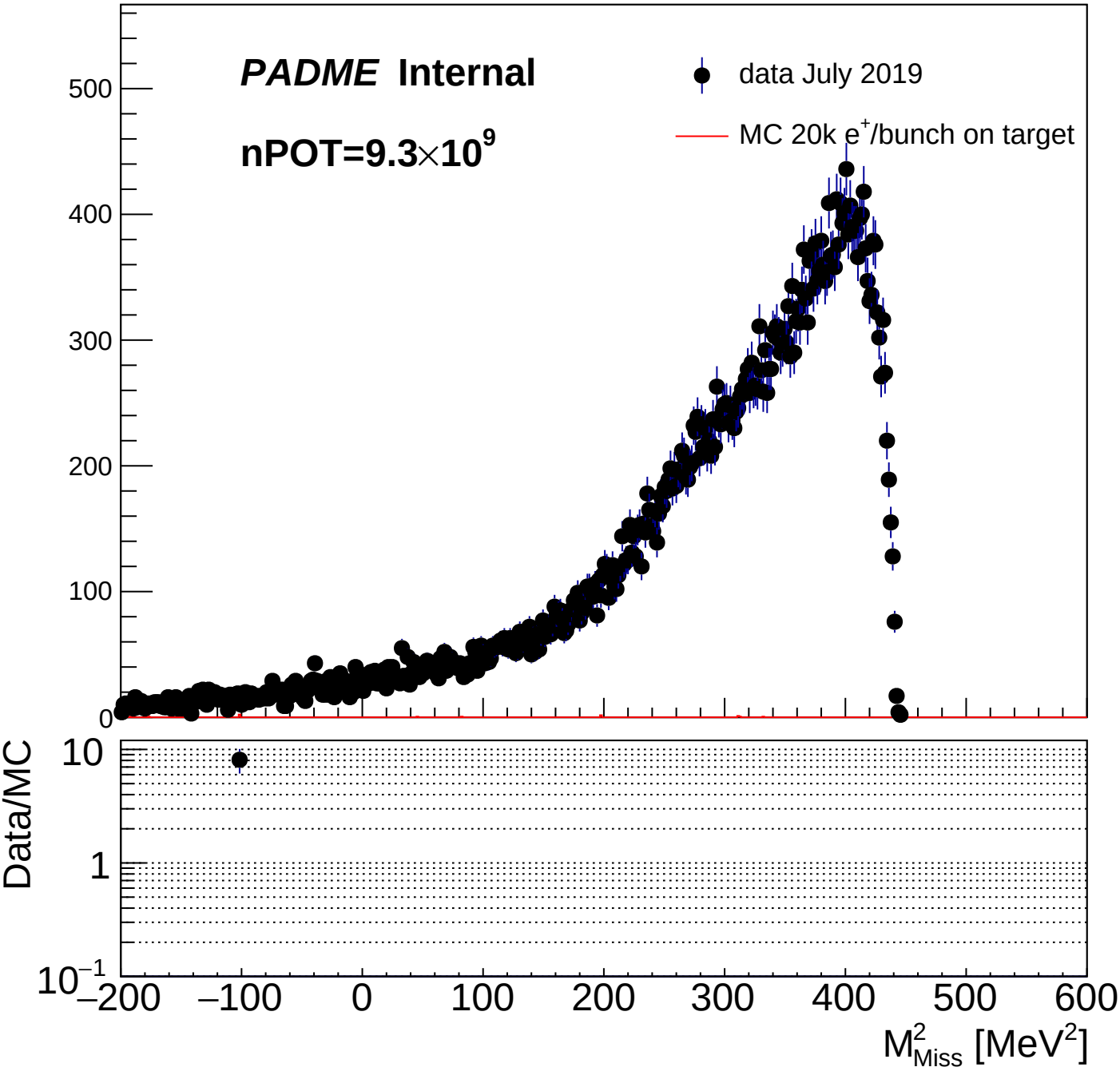

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
30000
25000
20000
15000
10000
5000
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

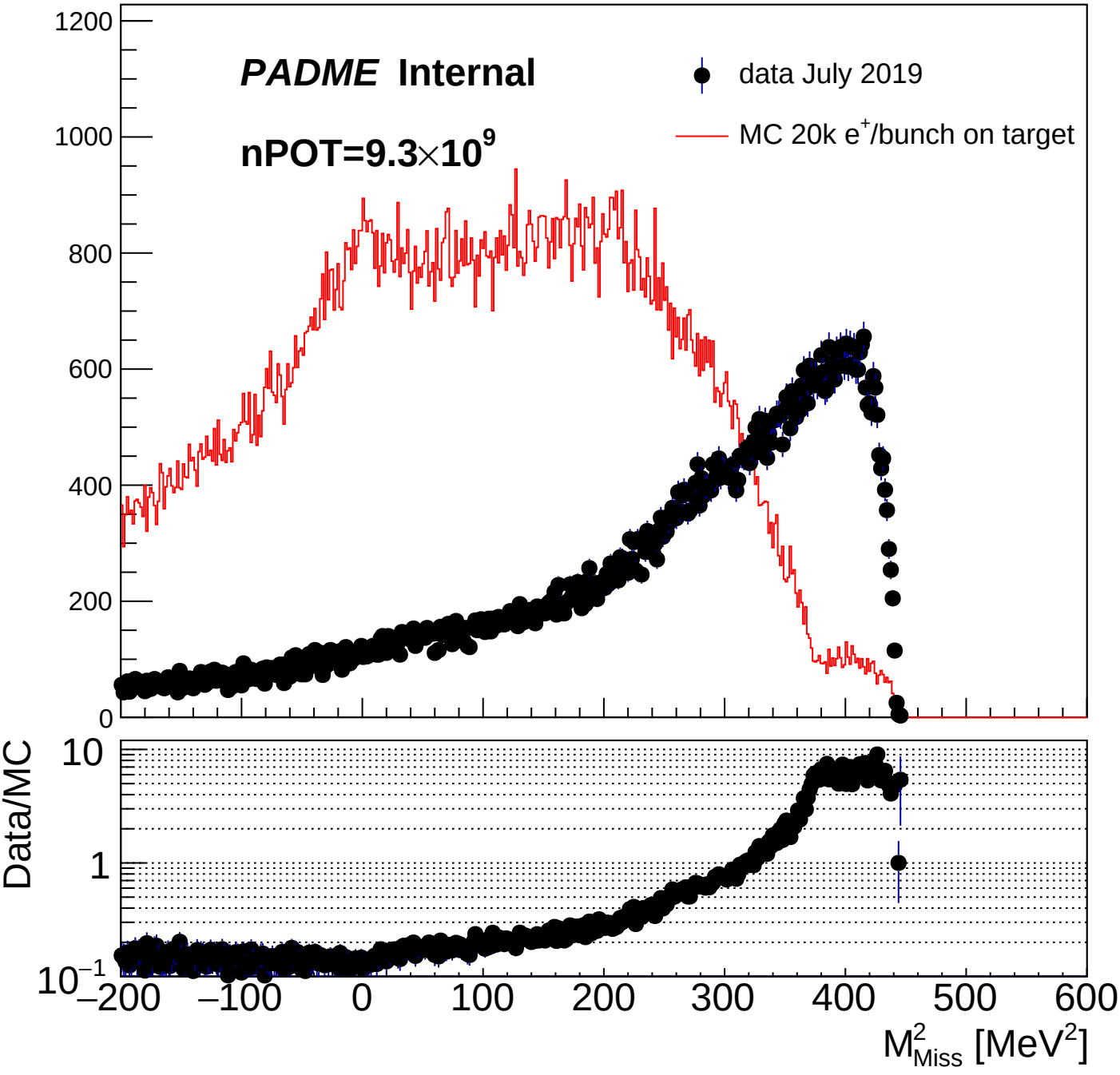

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

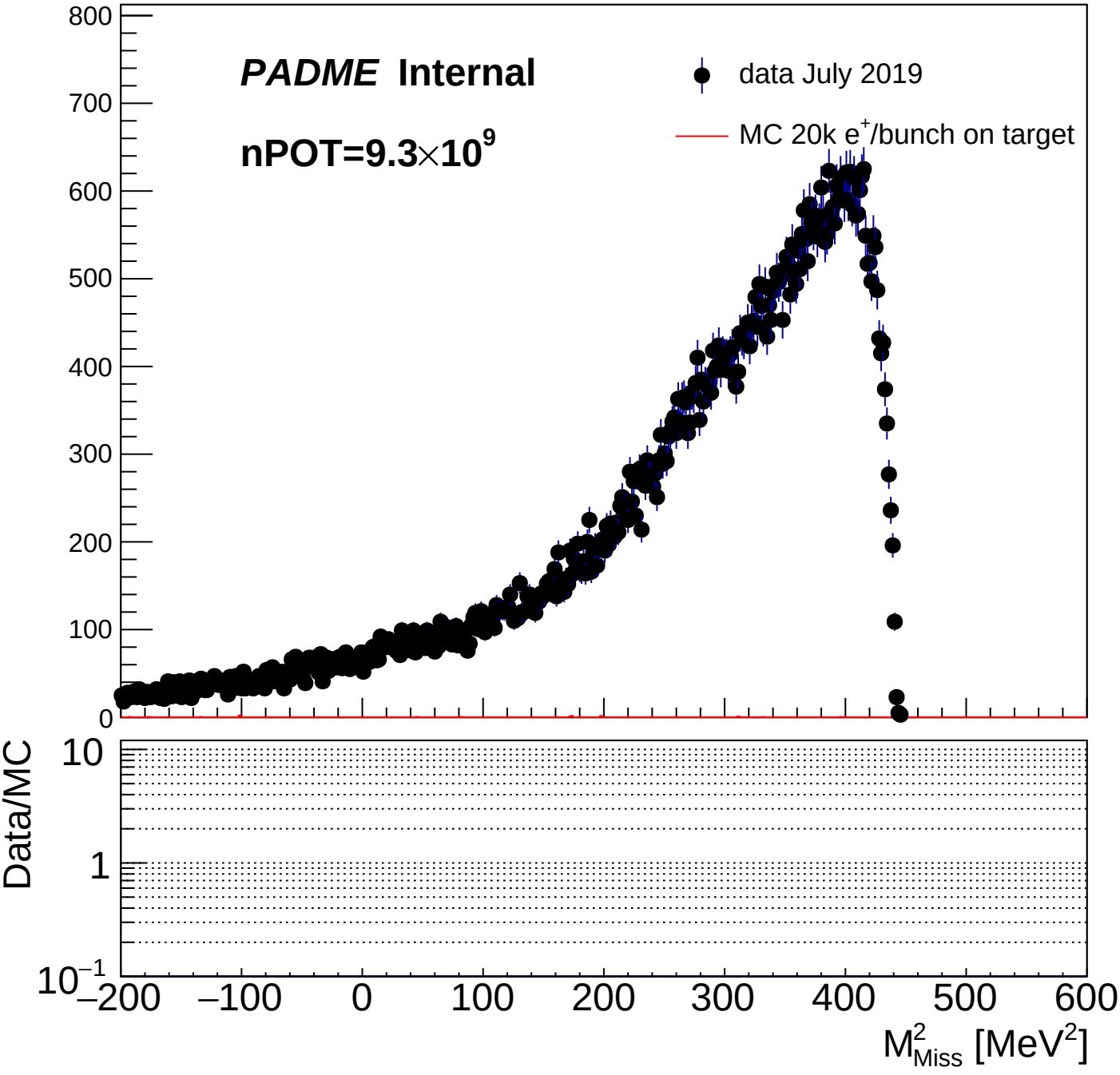

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
8000
7000
6000
5000
4000
3000
2000
1000
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

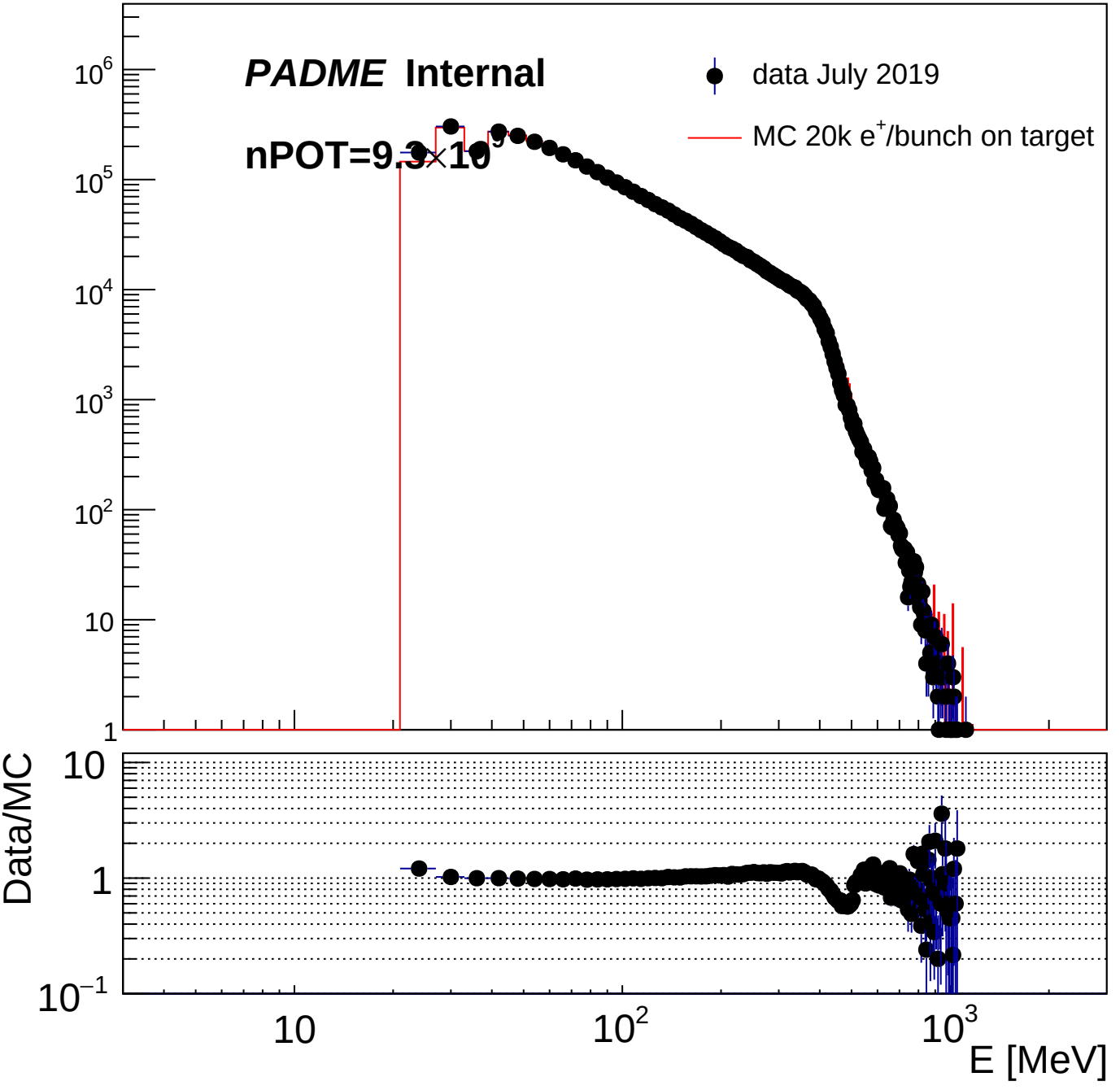

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
10000
8000
6000
4000
2000
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

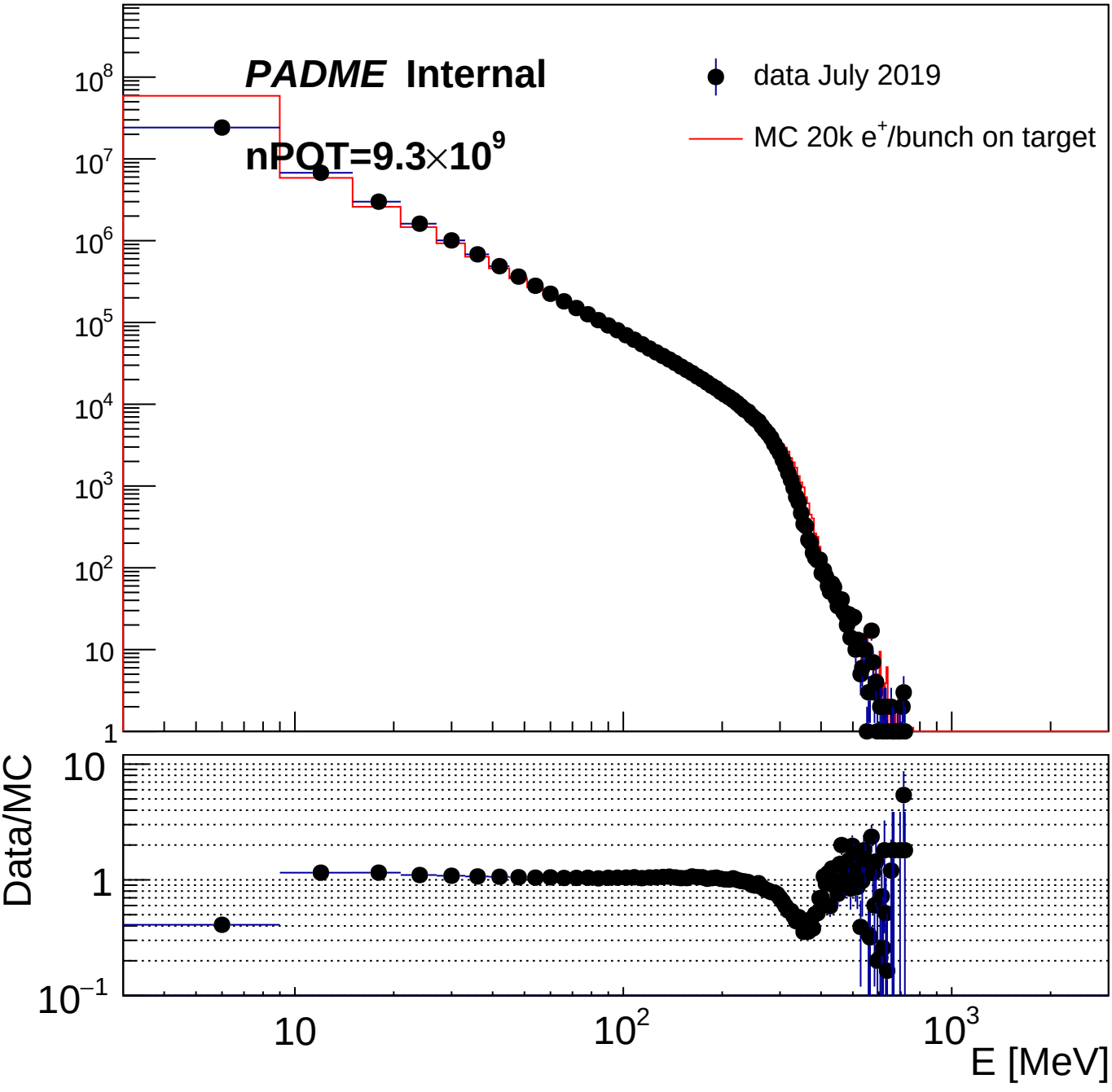

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
700
600
500
400
300
200
100
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

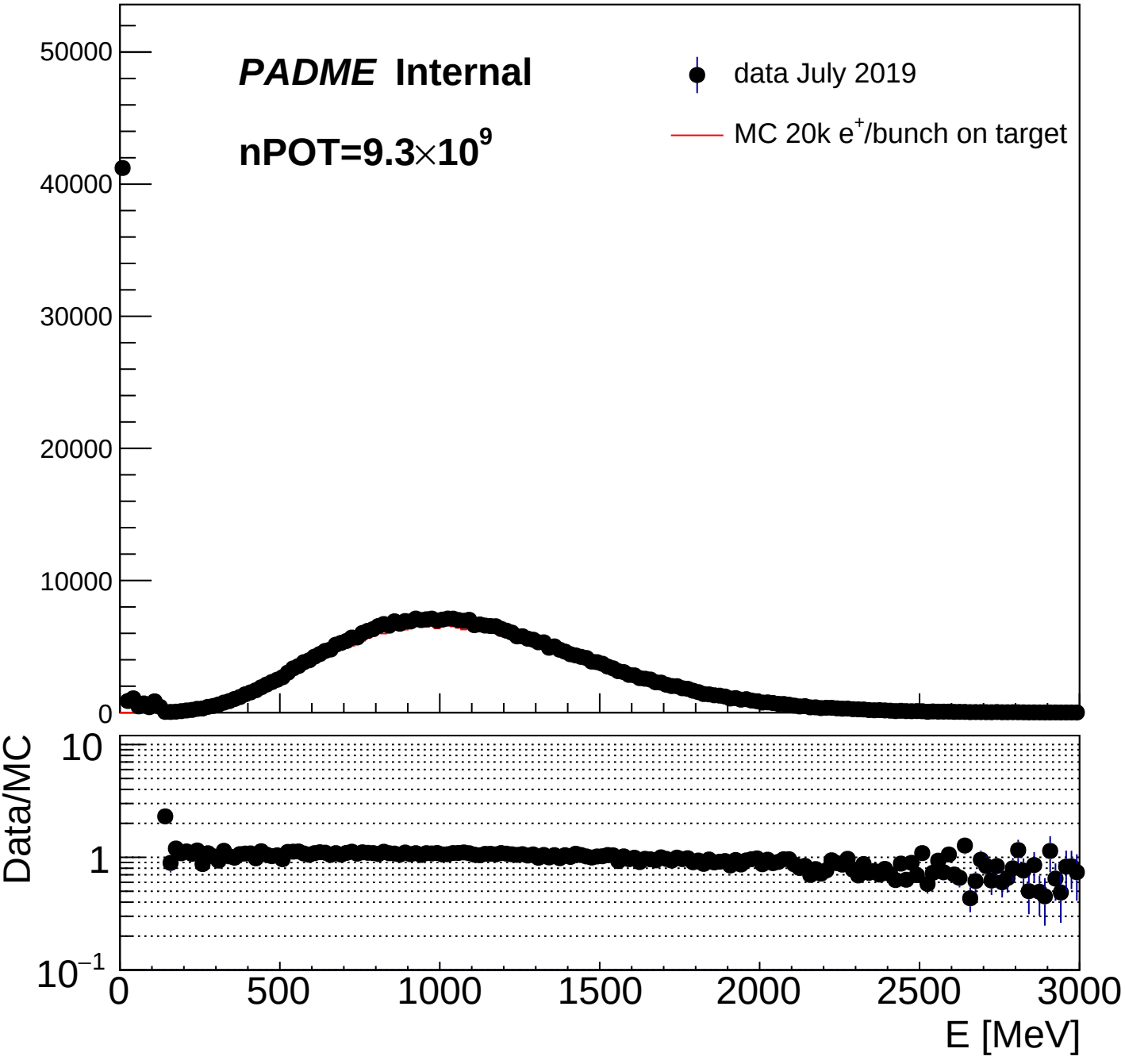

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
500
400
300
200
100
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

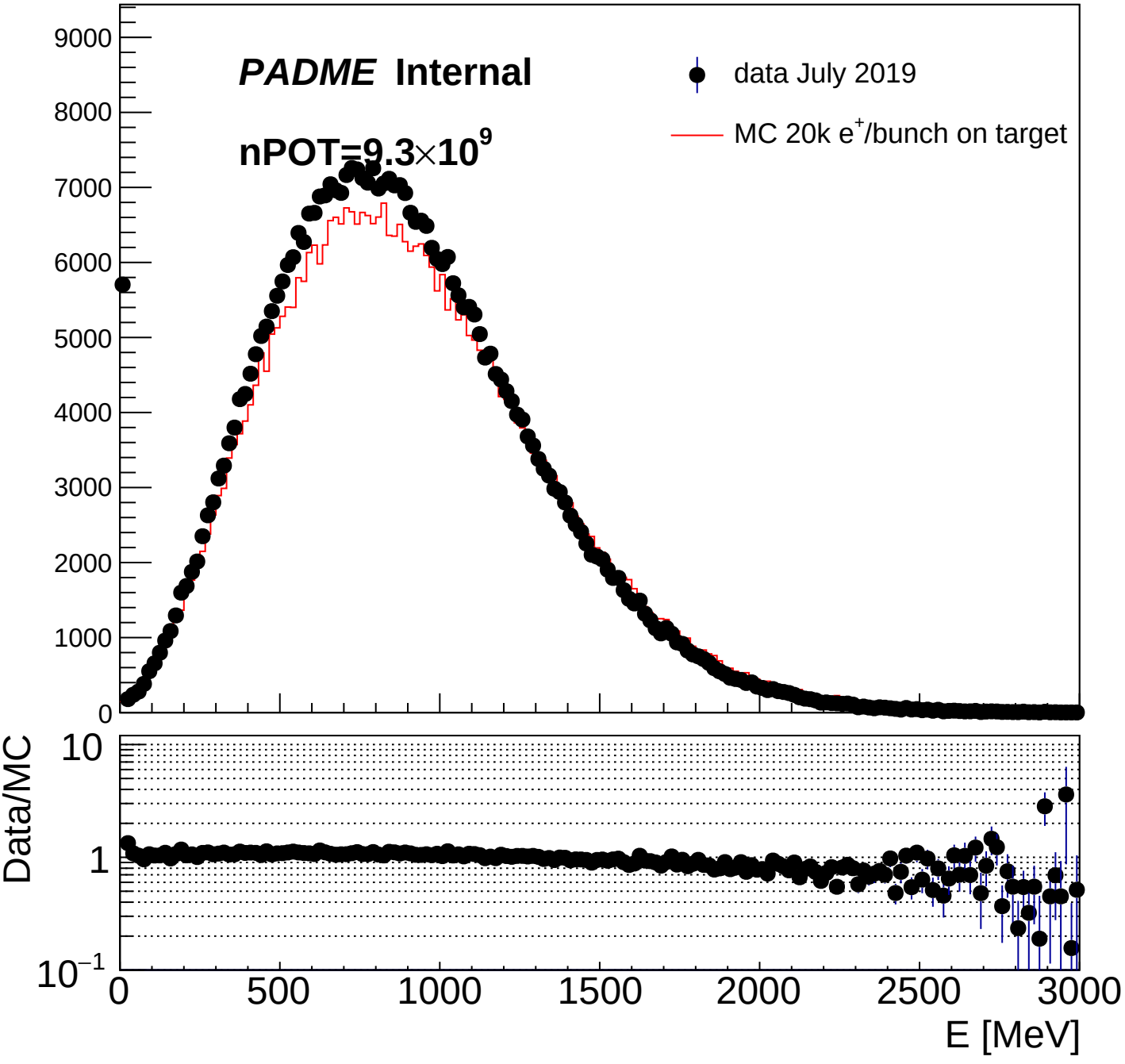

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
1200
1000
800
600
400
200
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

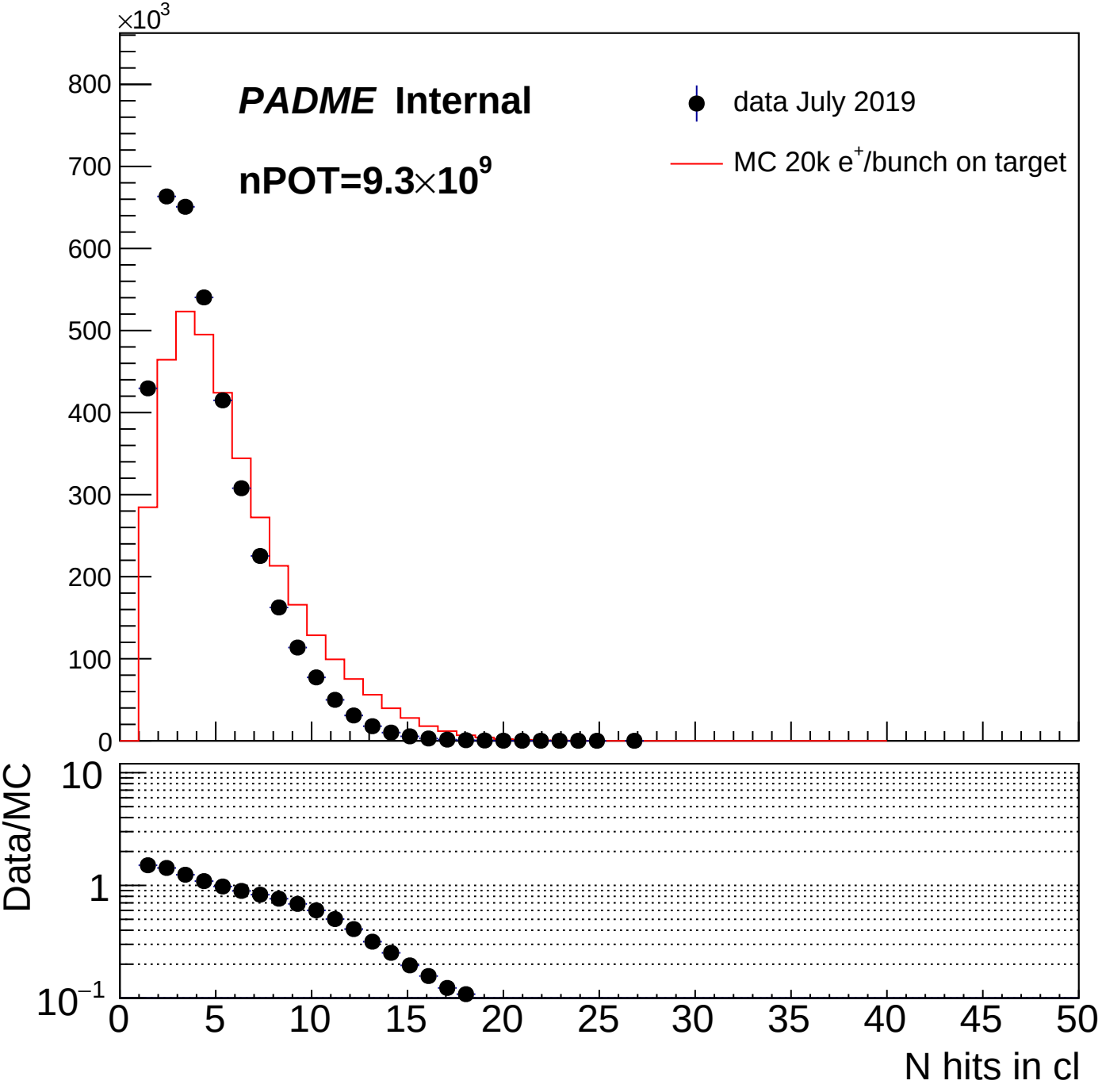

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
800
700
600
500
400
300
200
100
0
Data/MC
10
1
10^−1
−200
−100
0
100
200
300
400
500
600
M²Miss [MeV²]

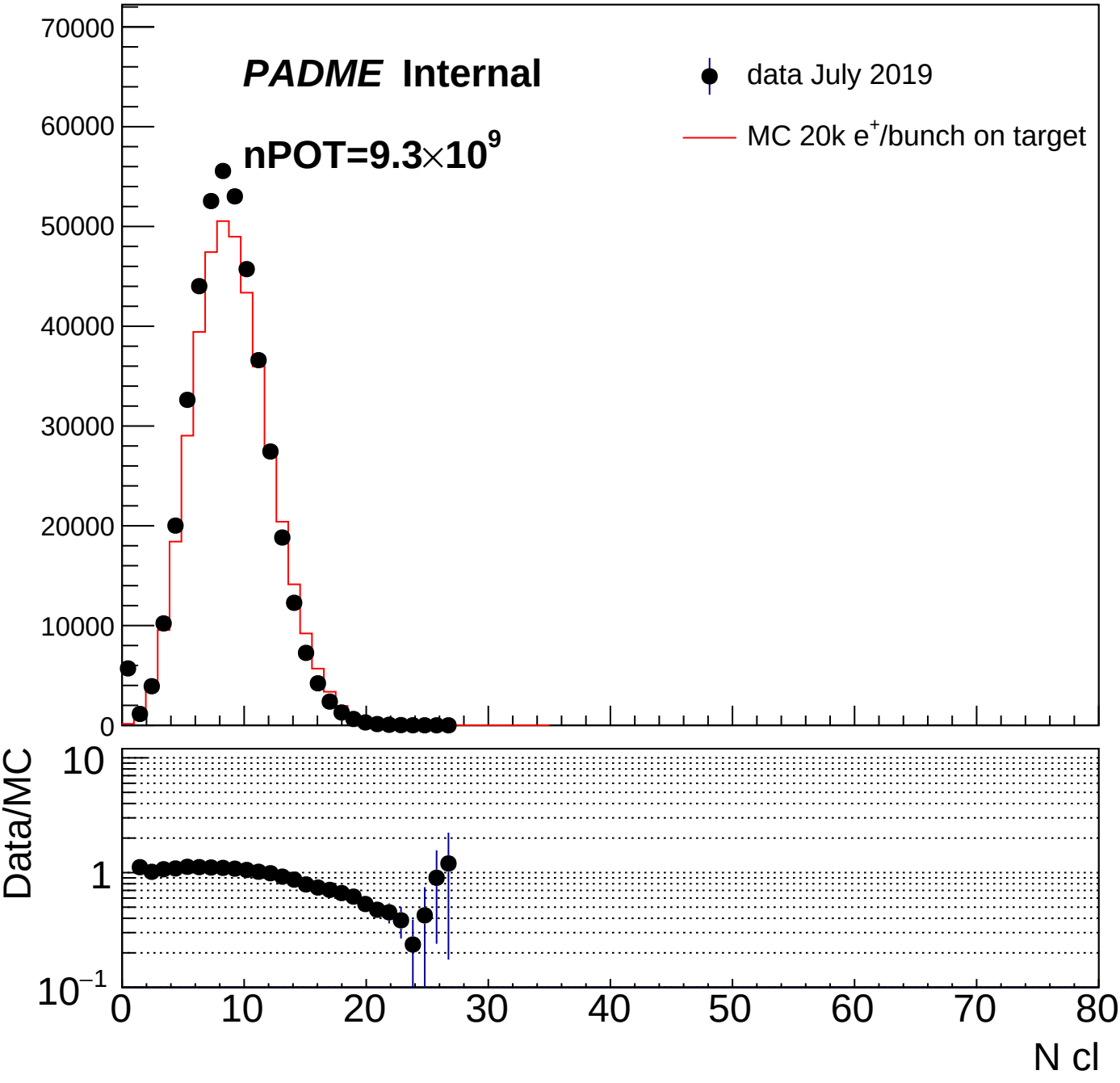

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E [MeV]

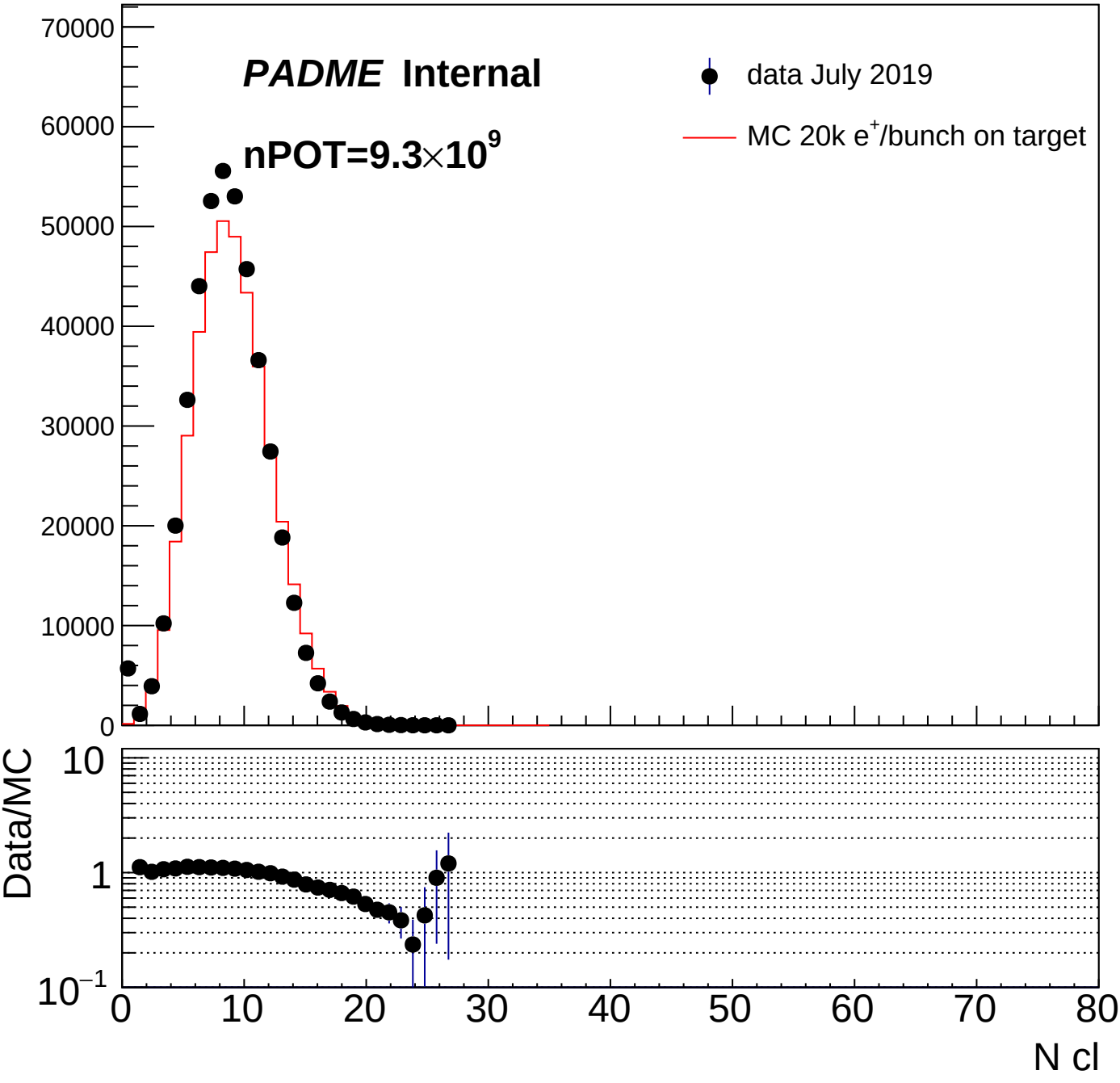

PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
E [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
50000
40000
30000
20000
10000
0
Data/MC
10
1
10^−1
0
500
1000
1500
2000
2500
3000
E [MeV]


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Data/MC
10
1
10^−1
0
500
1000
1500
2000
2500
3000
E [MeV]


×10^3
800
700
600
500
400
300
200
100
0
PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
Data/MC
10
1
10^−1
0
5
10
15
20
25
30
35
40
45
50
N hits in cl


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
70000
60000
50000
40000
30000
20000
10000
0
Data/MC
10
1
10^−1
0
10
20
30
40
50
60
70
80
N cl


PADME Internal
nPOT=9.3×10^9
data July 2019
MC 20k e+/bunch on target
70000
60000
50000
40000
30000
20000
10000
0
Data/MC
10
1
10^−1
0
10
20
30
40
50
60
70
80
N cl