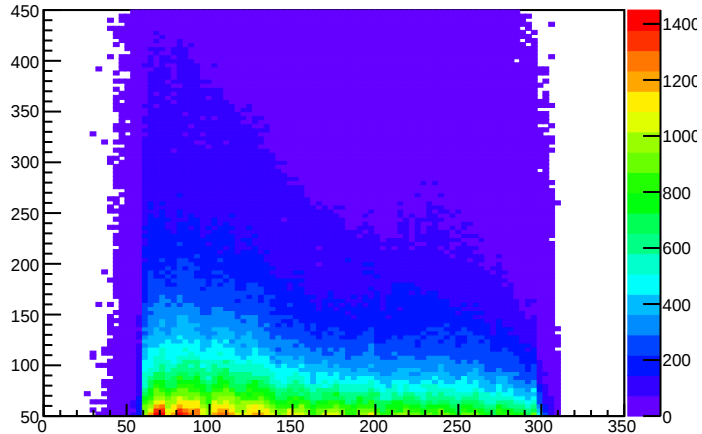
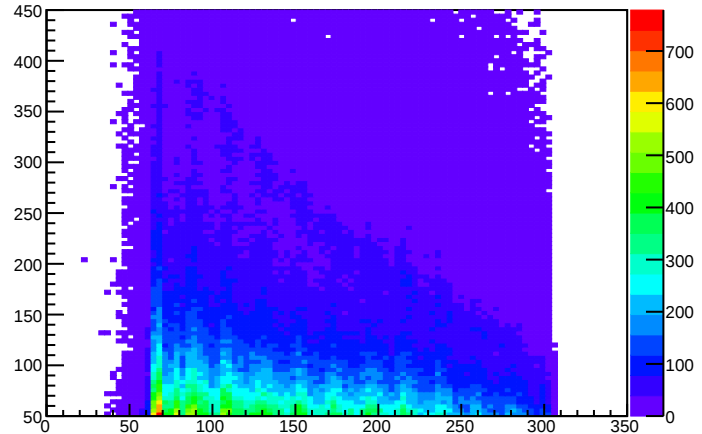


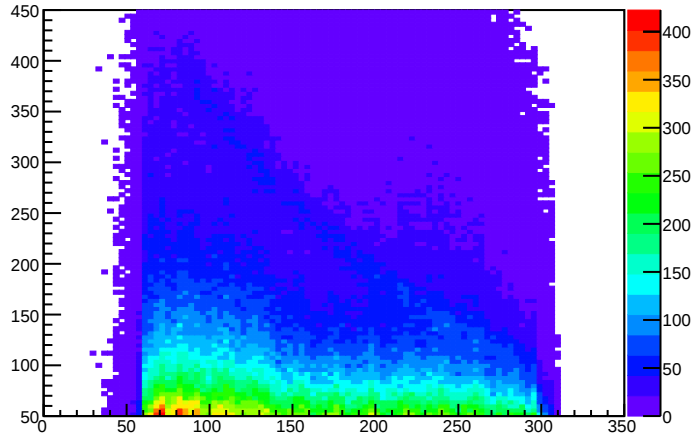
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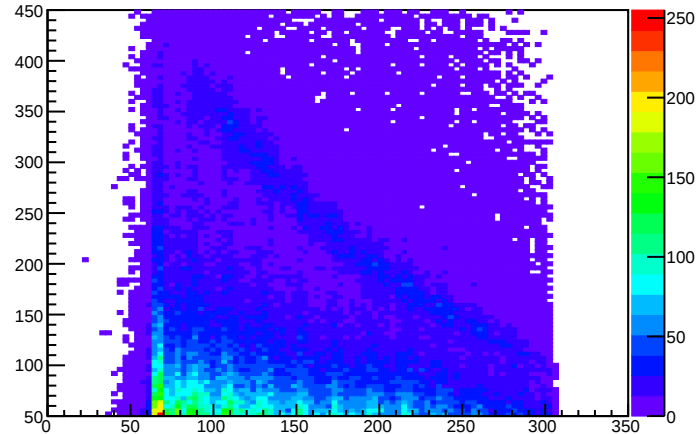
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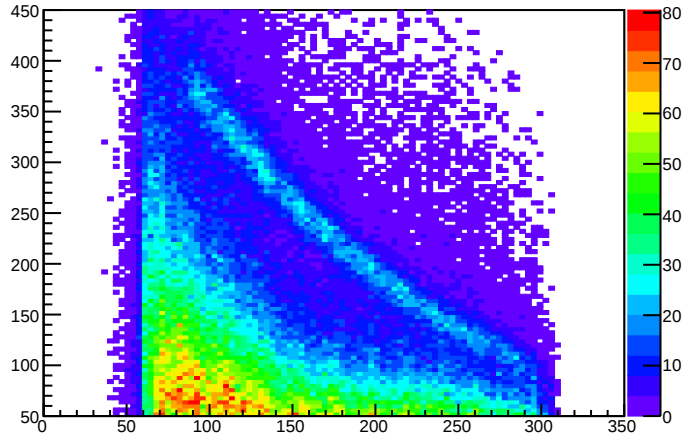
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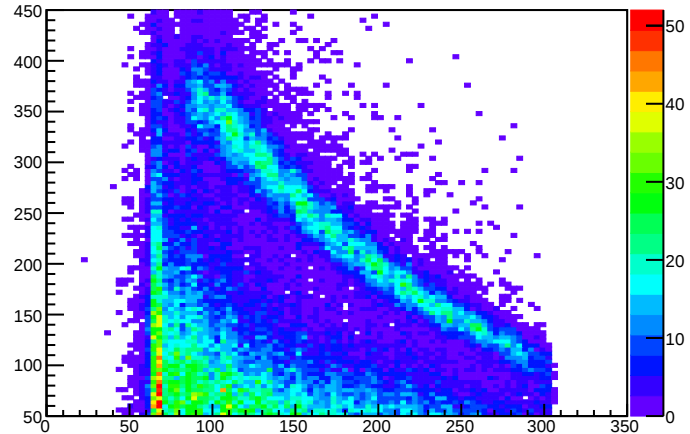
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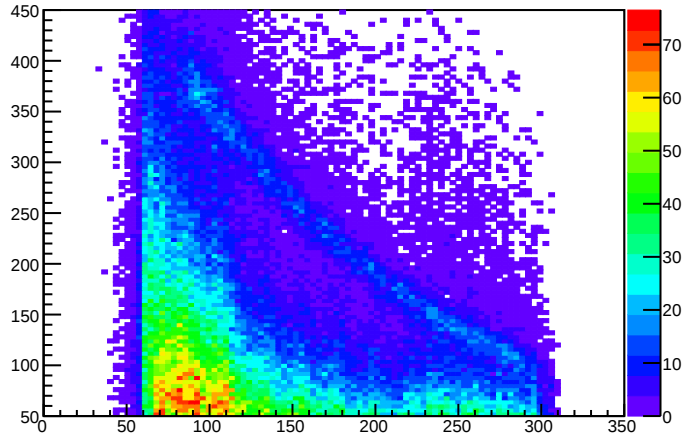
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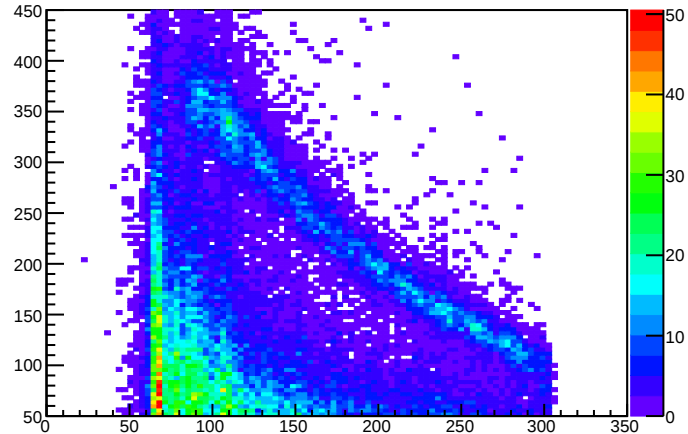
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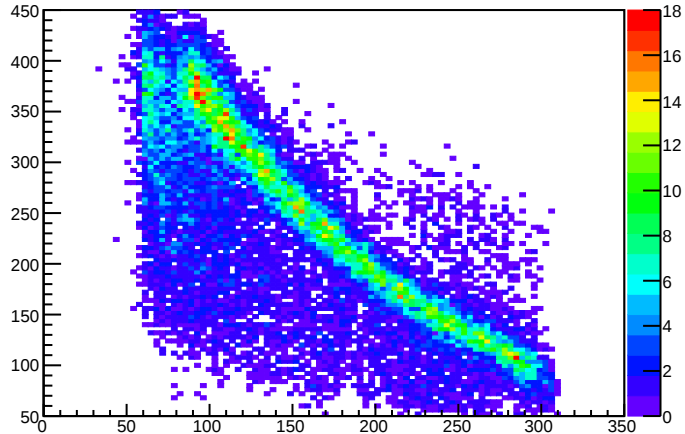
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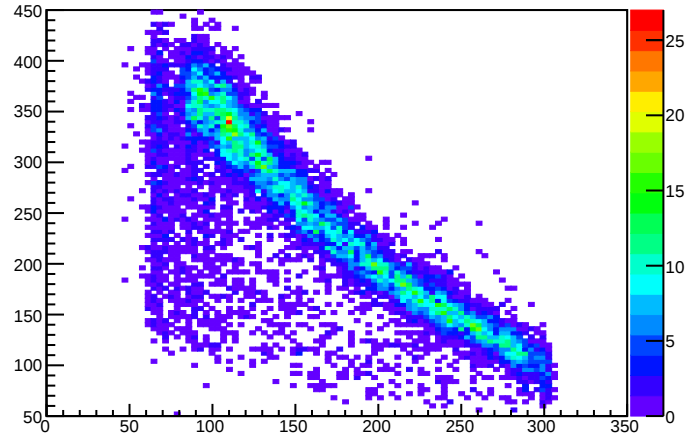
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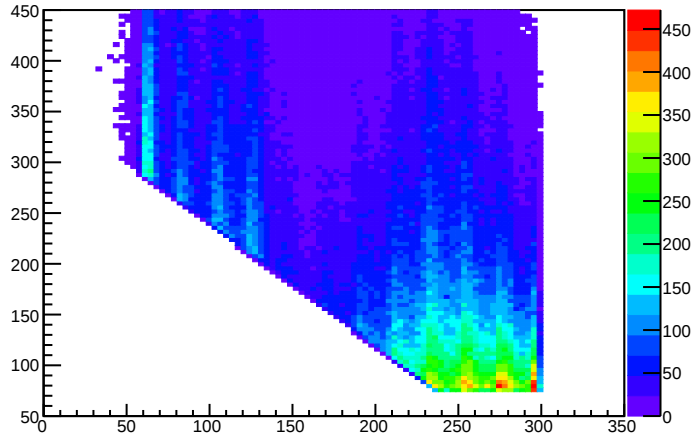
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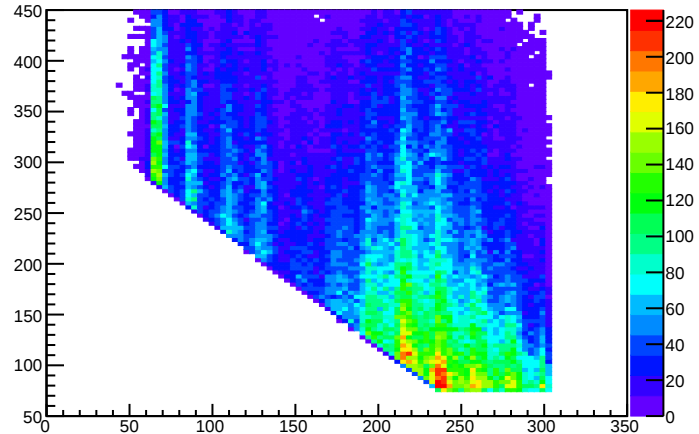
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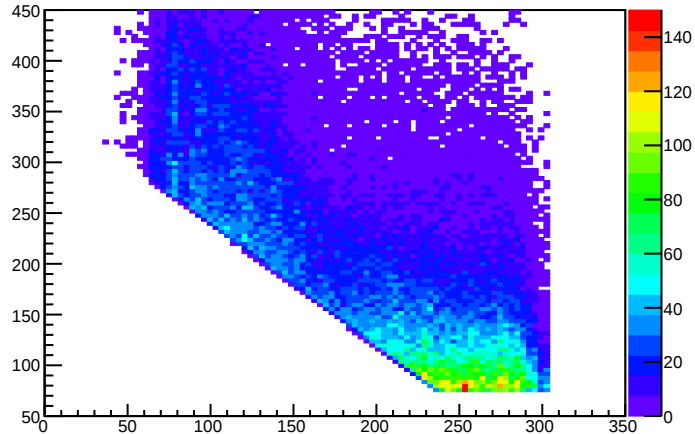
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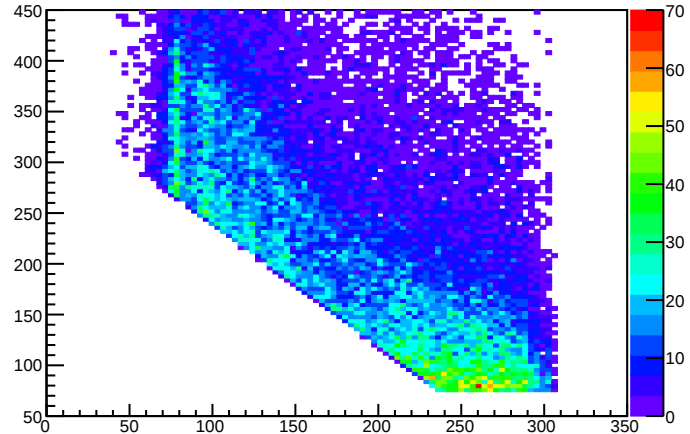
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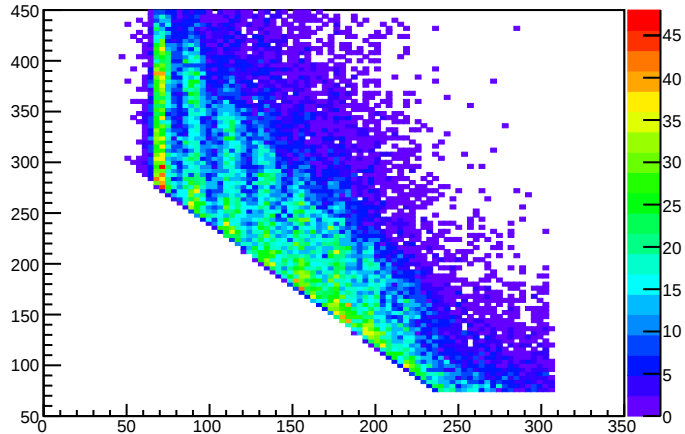
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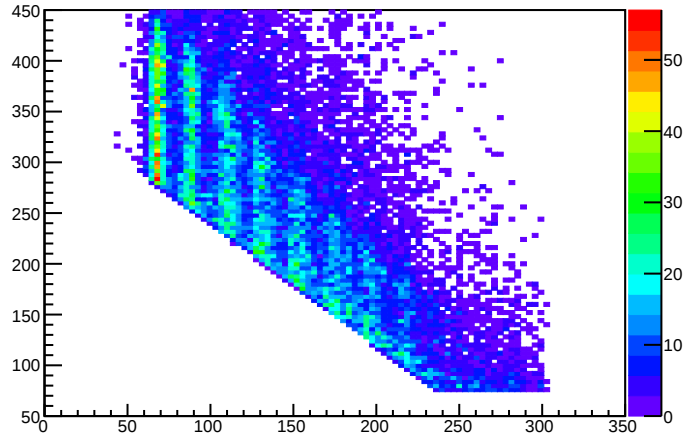
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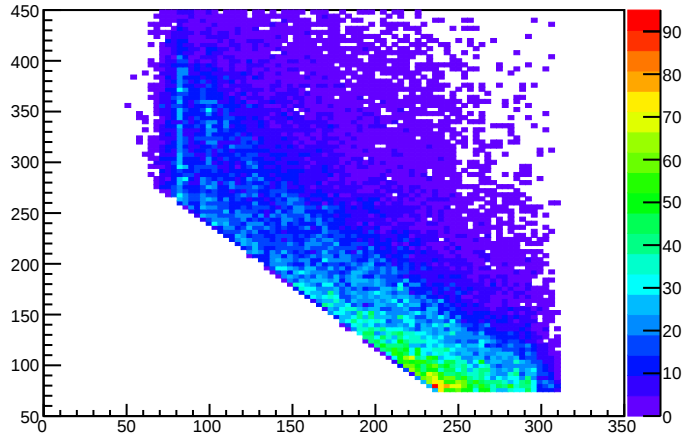
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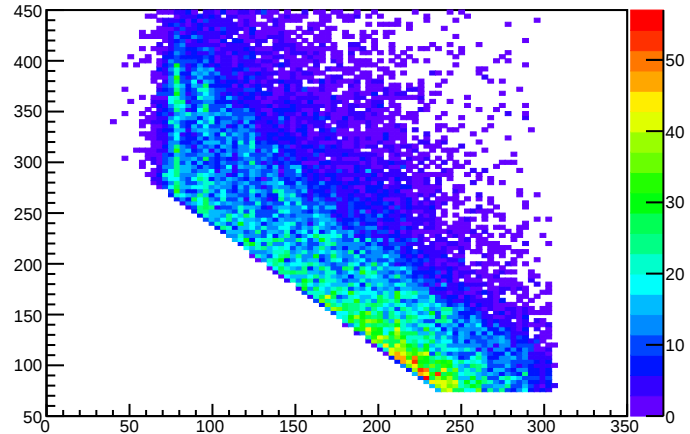
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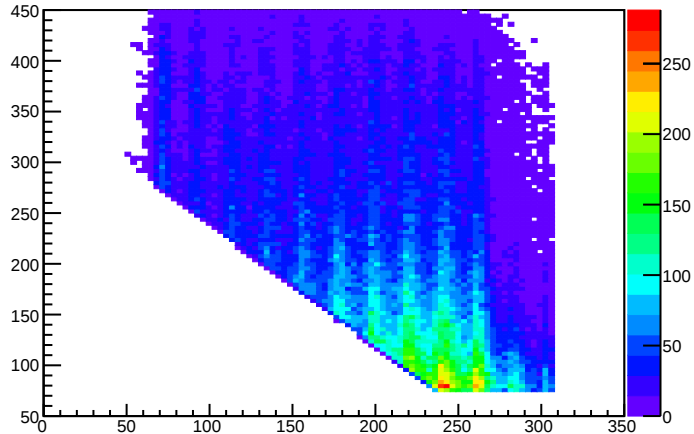
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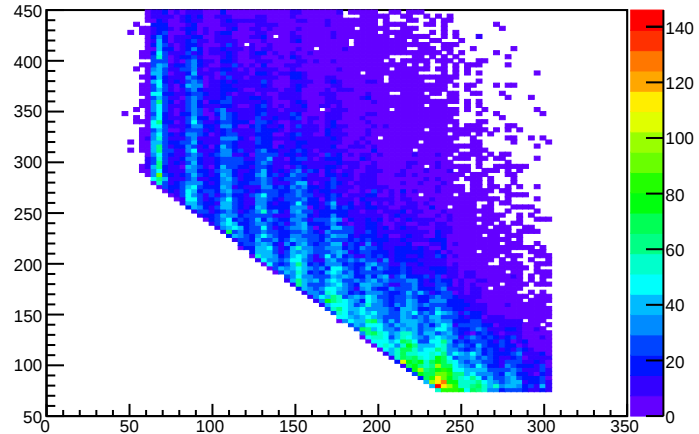
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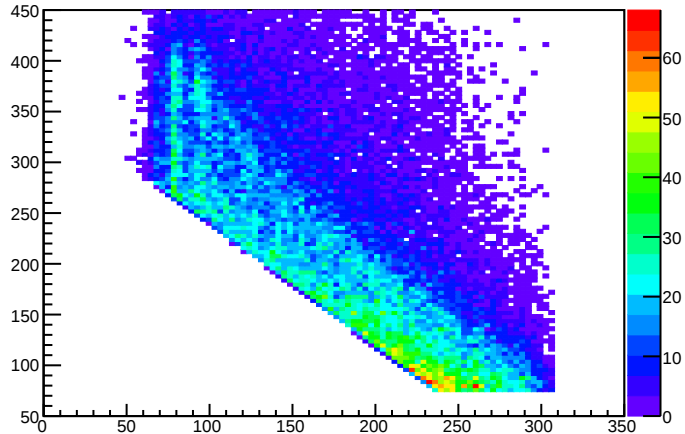
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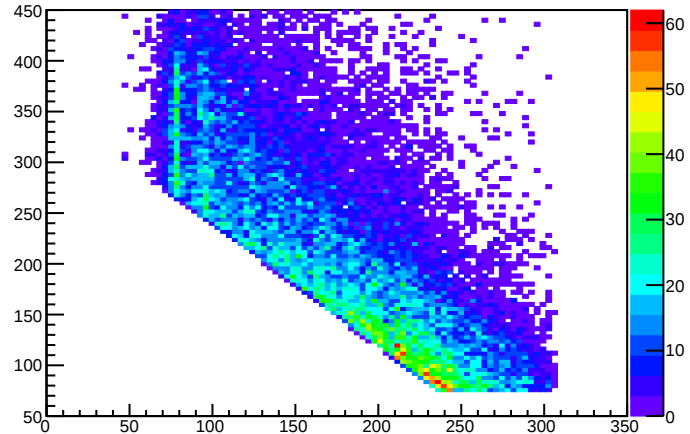
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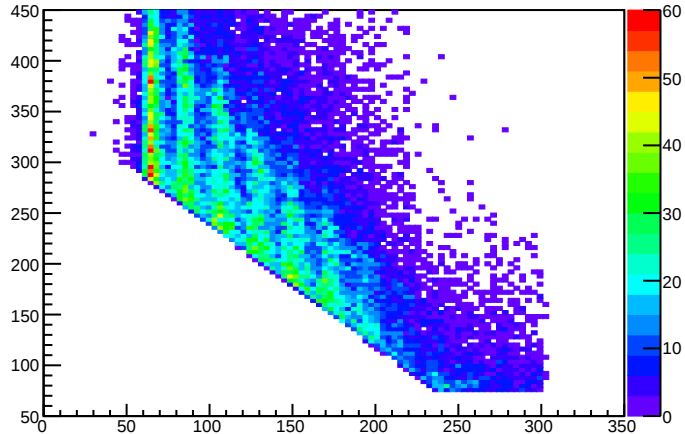
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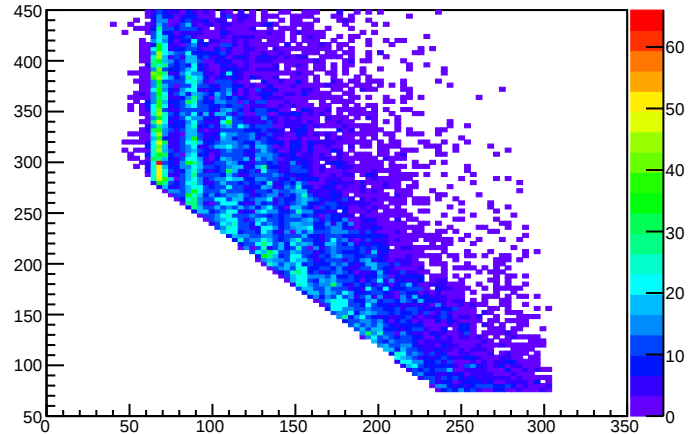
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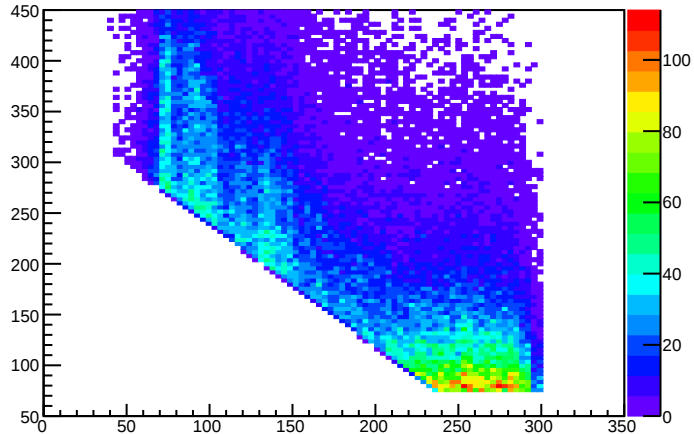
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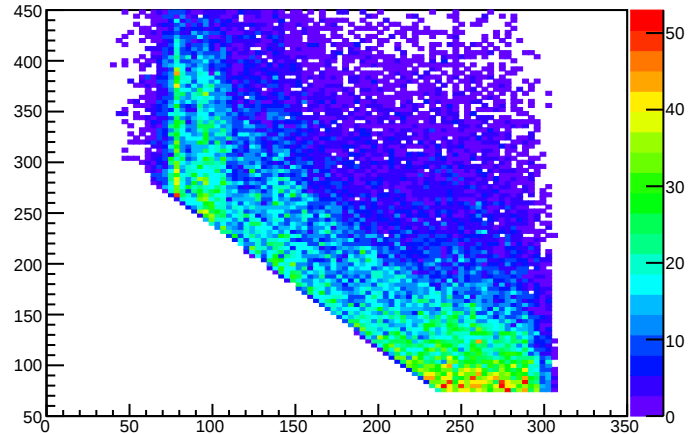
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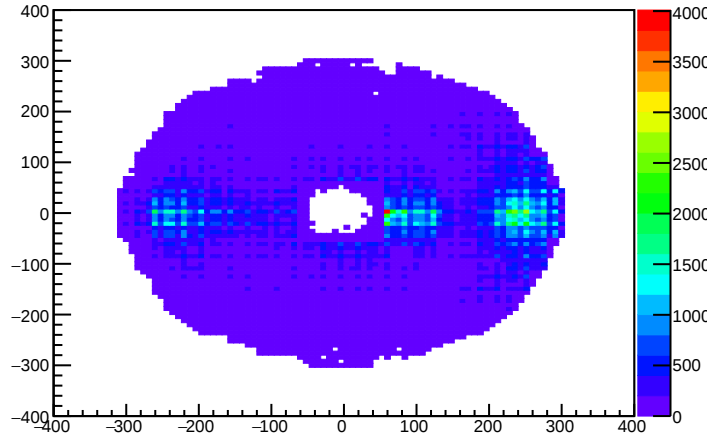
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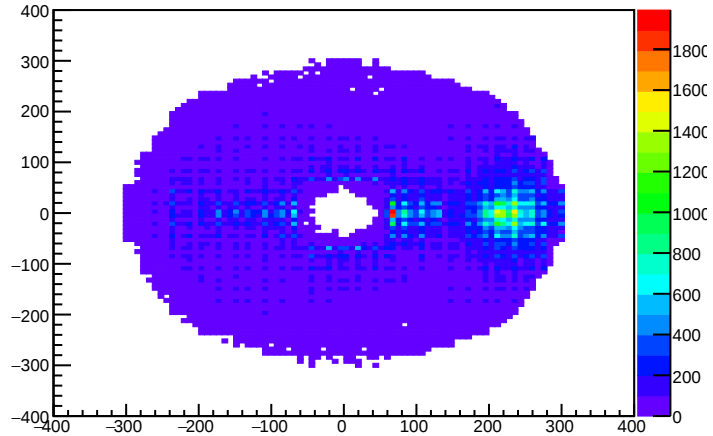
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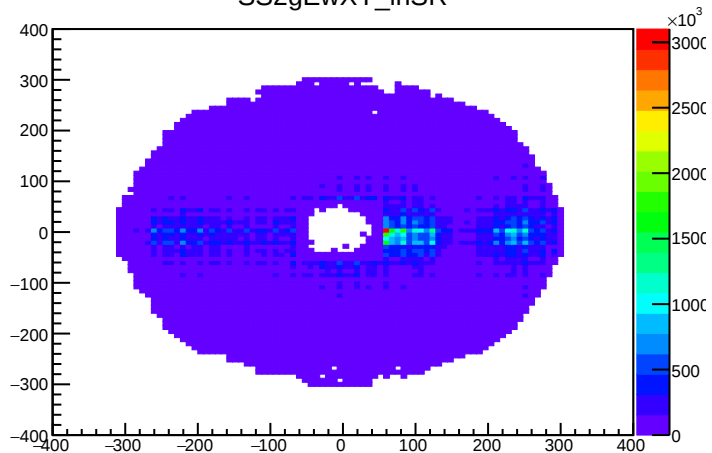
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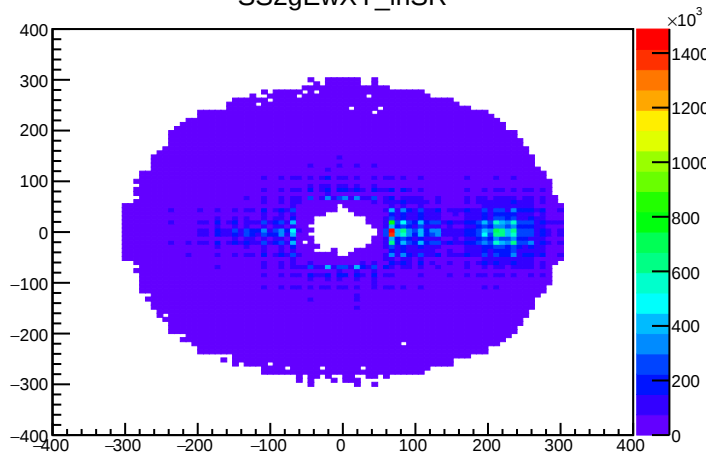
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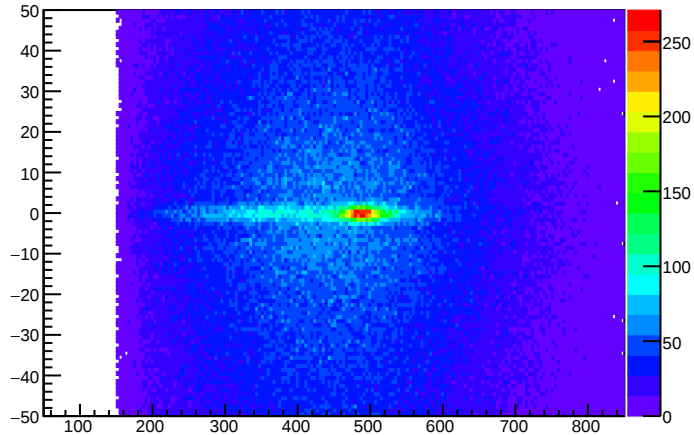
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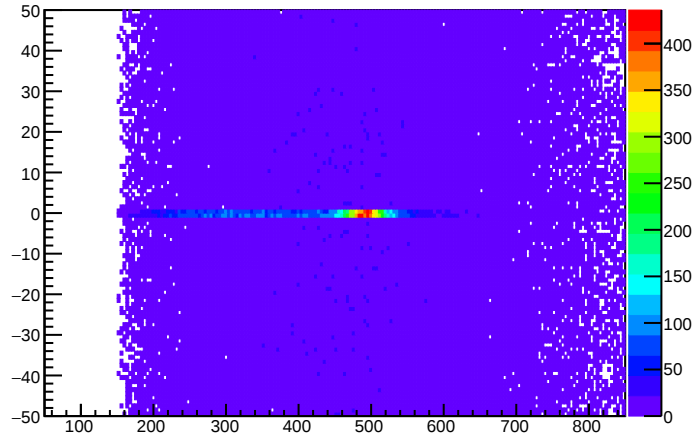
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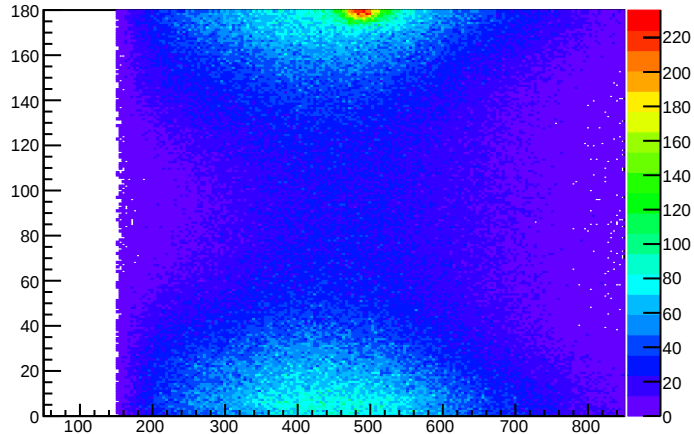
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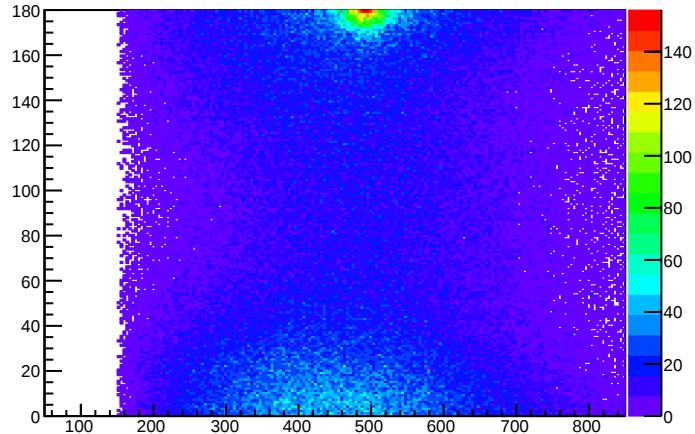
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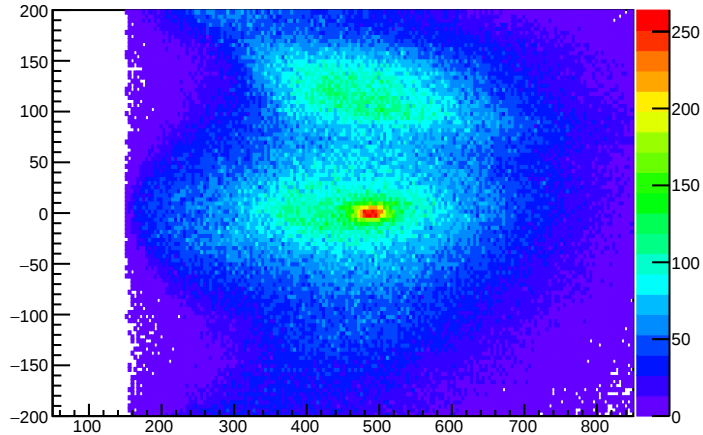
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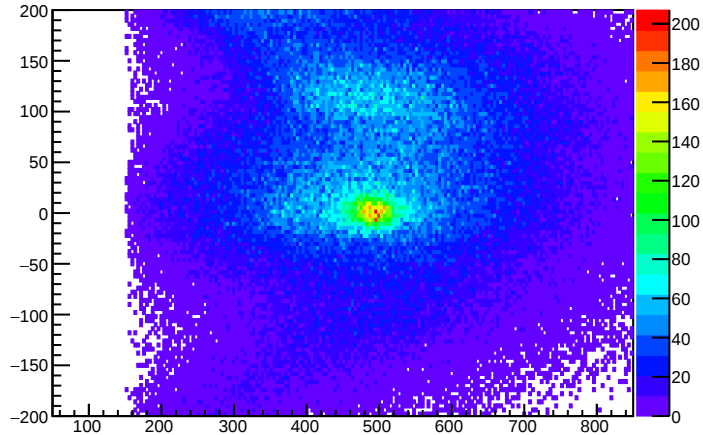
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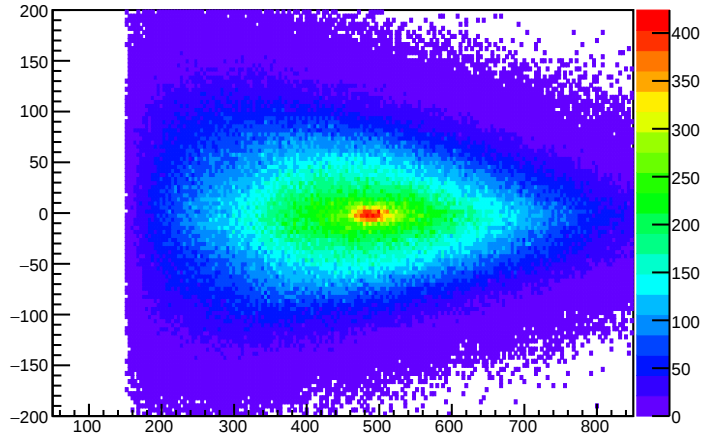
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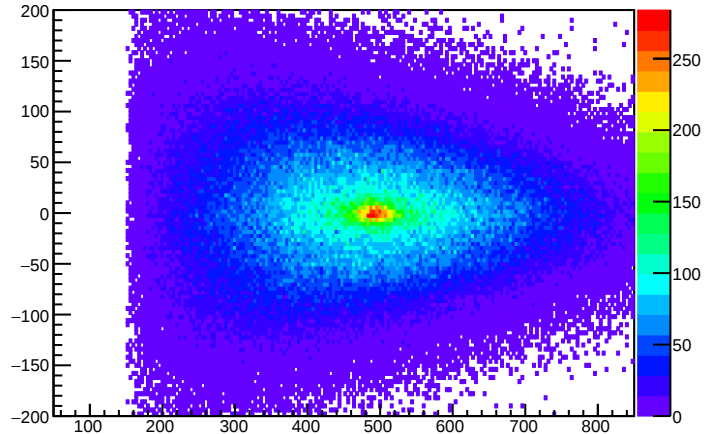
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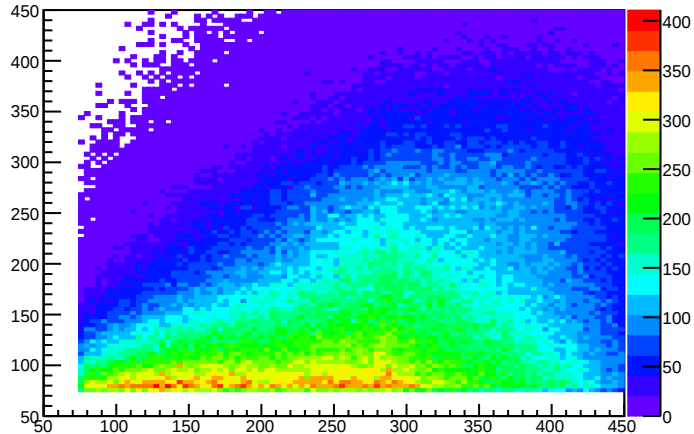
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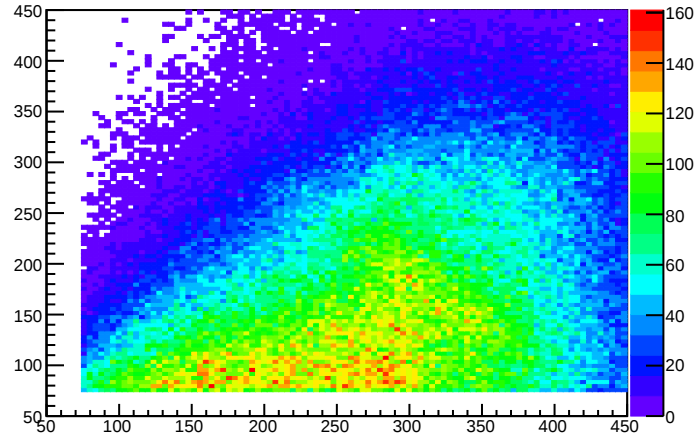
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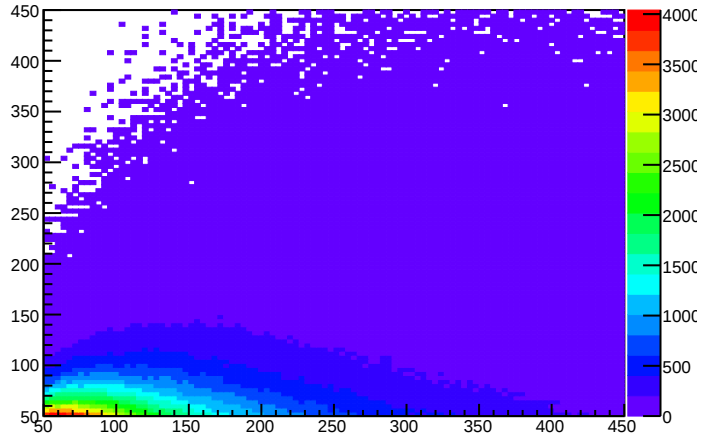
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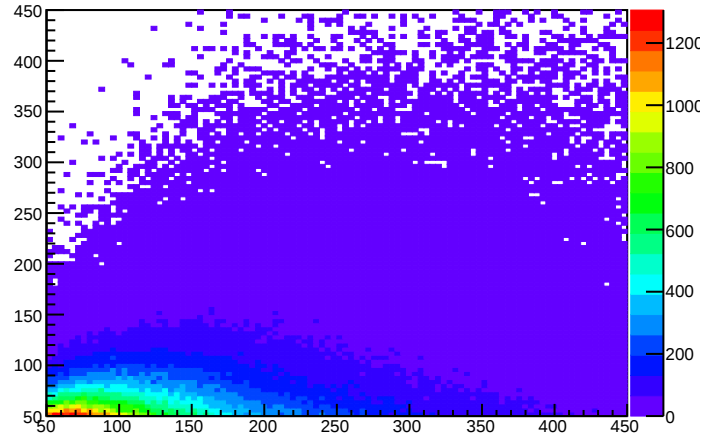
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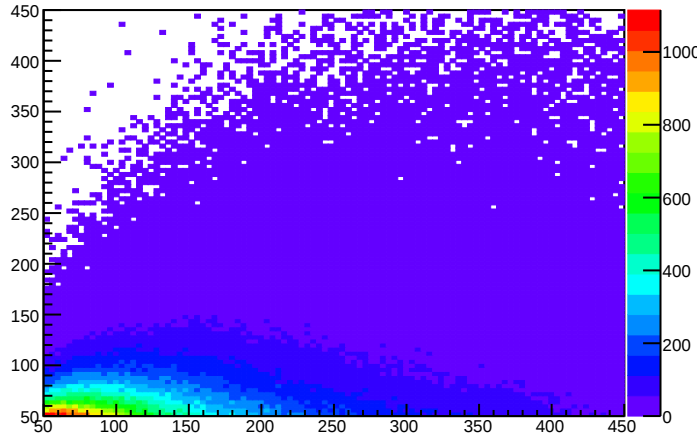
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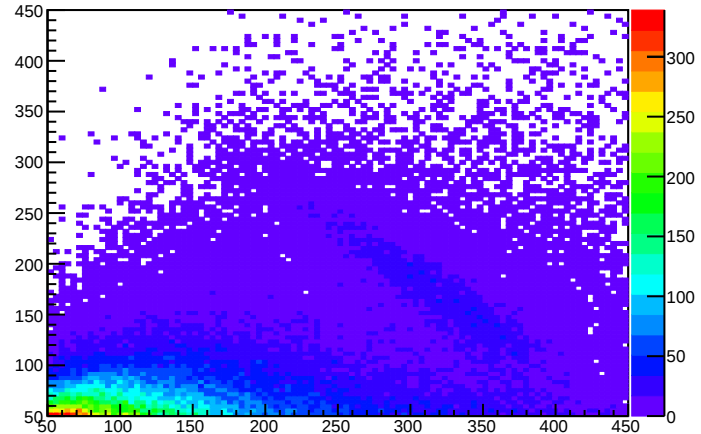
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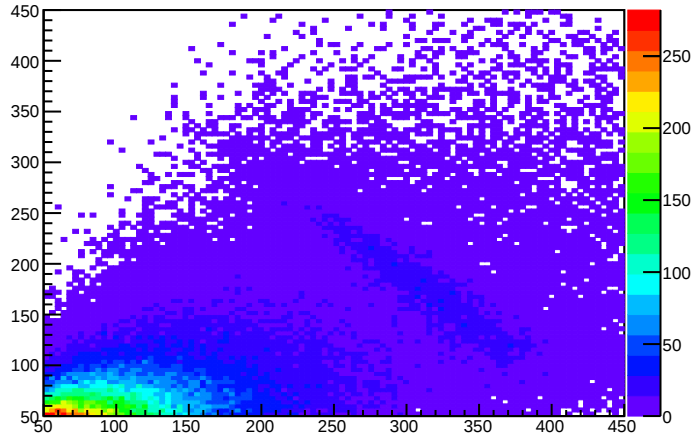
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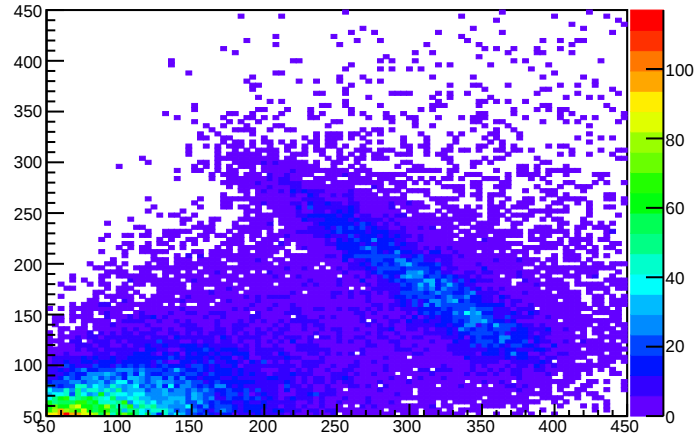
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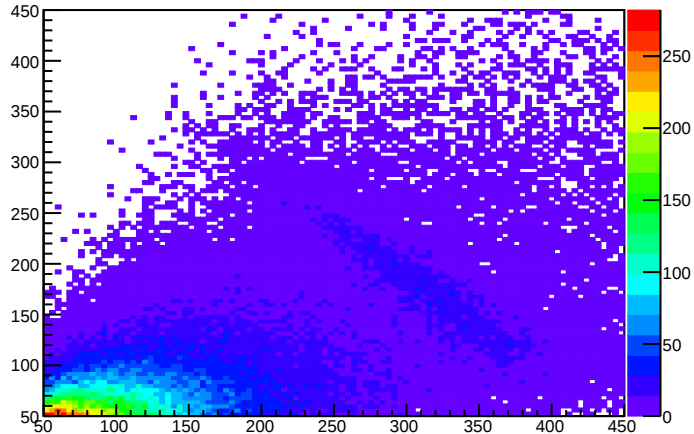
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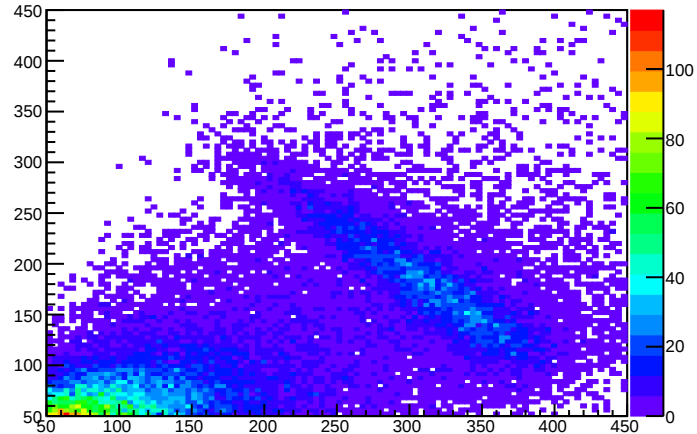
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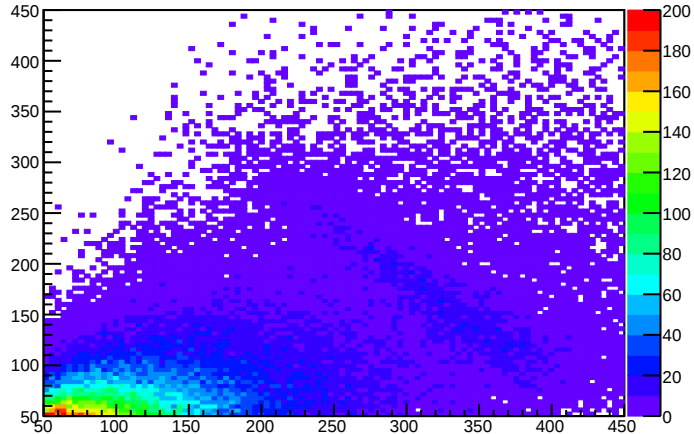
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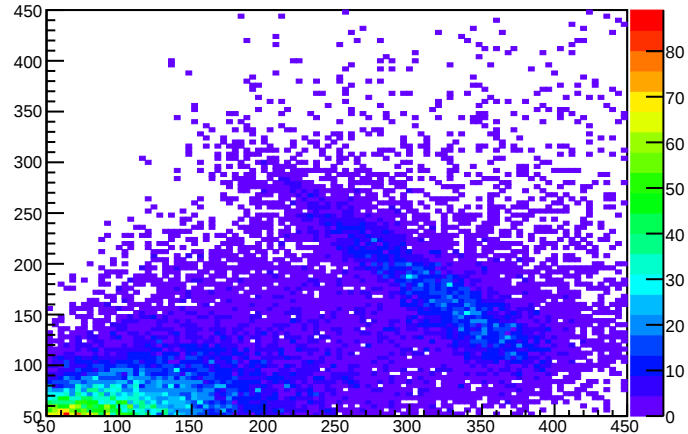
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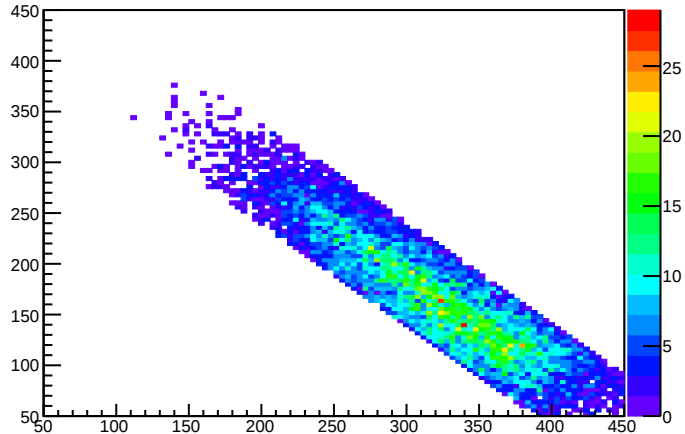
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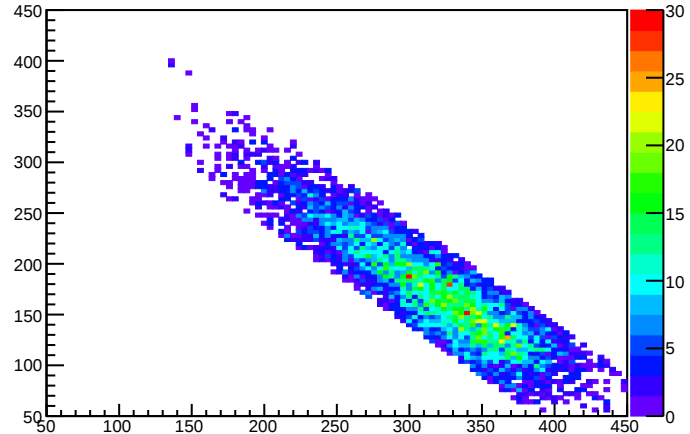
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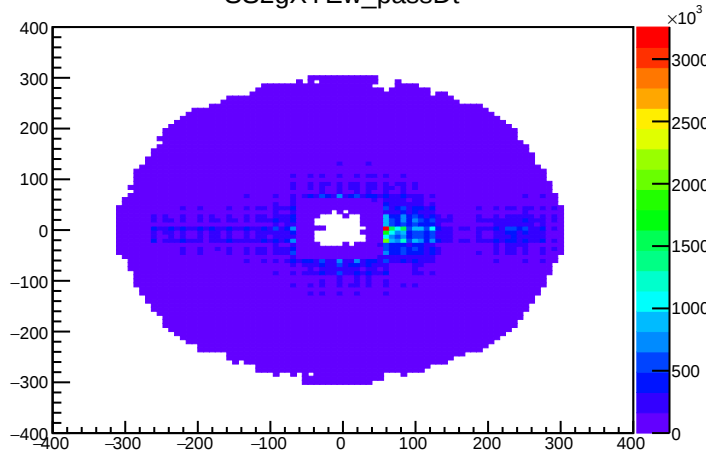
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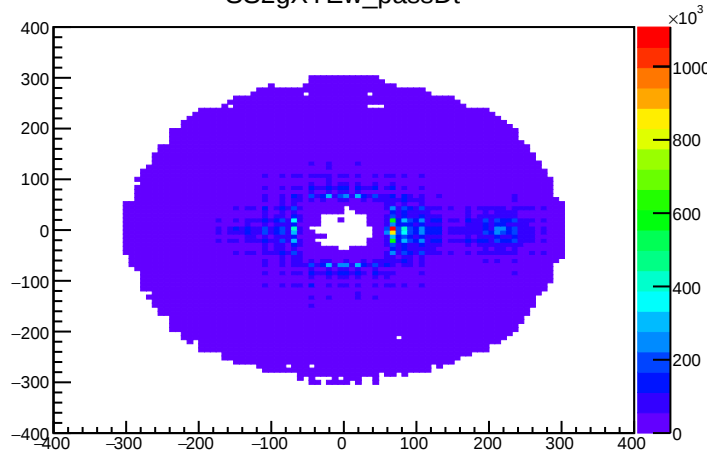
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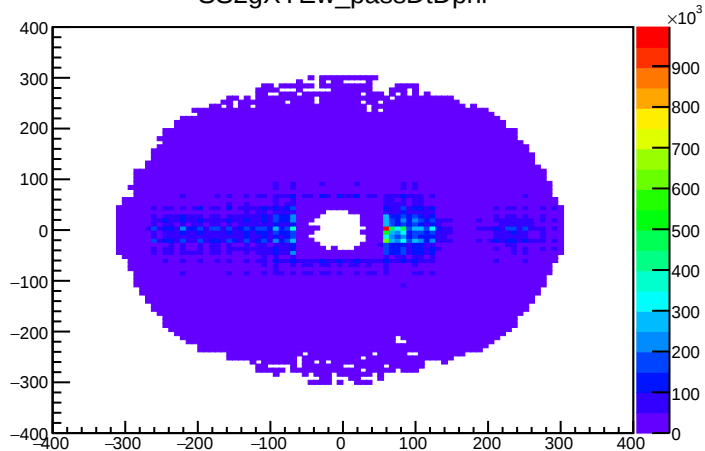
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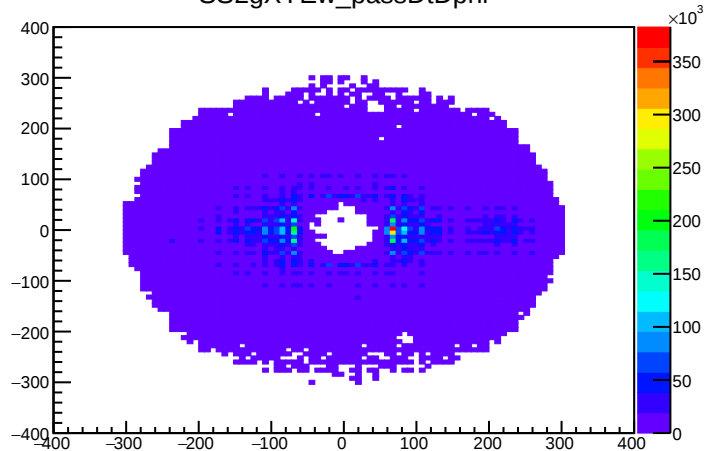
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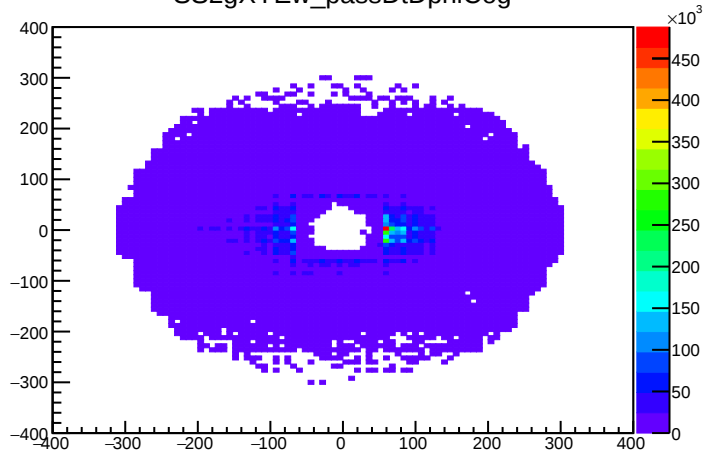
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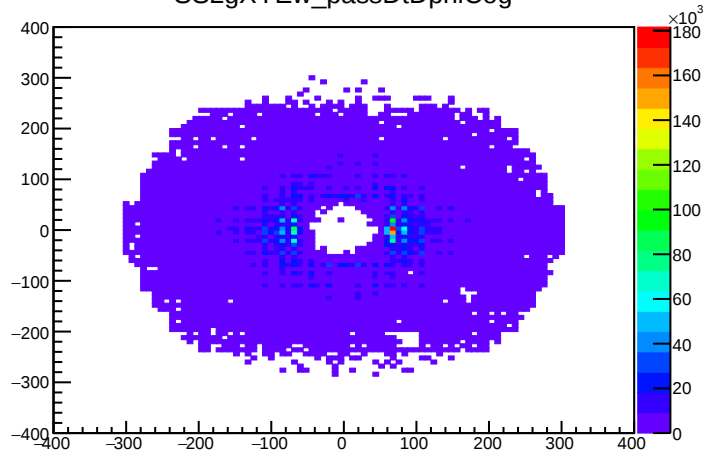
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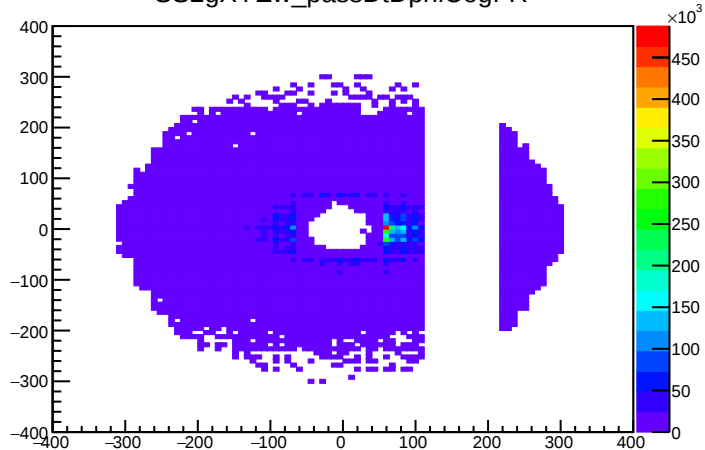
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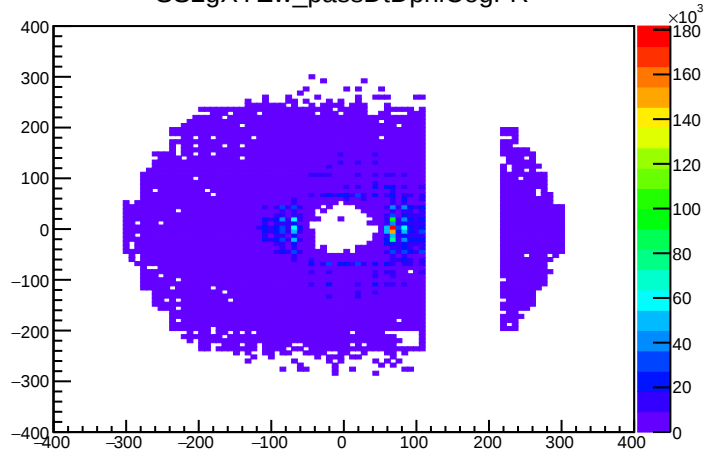
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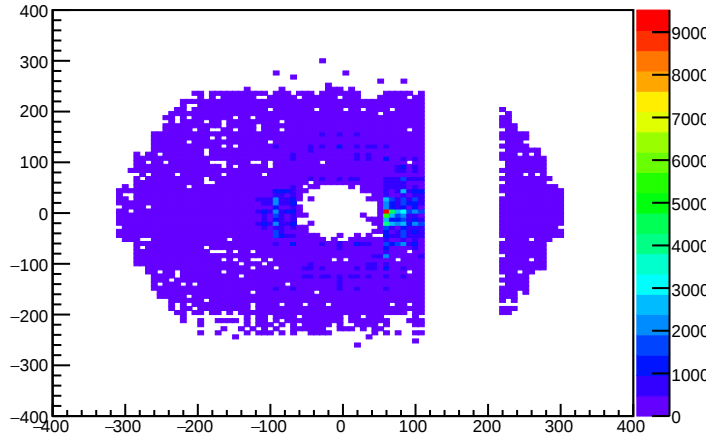
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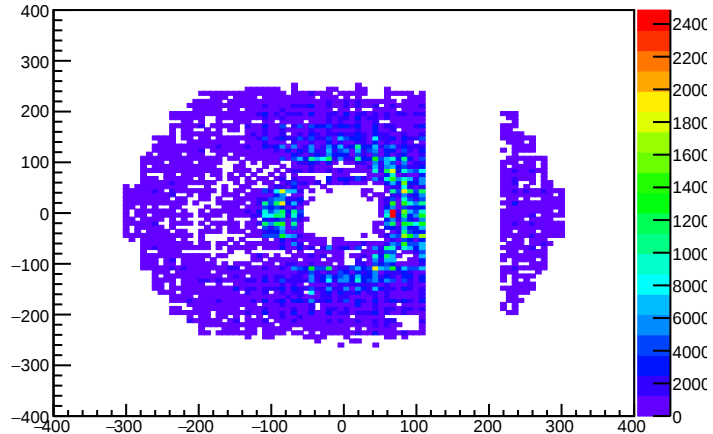
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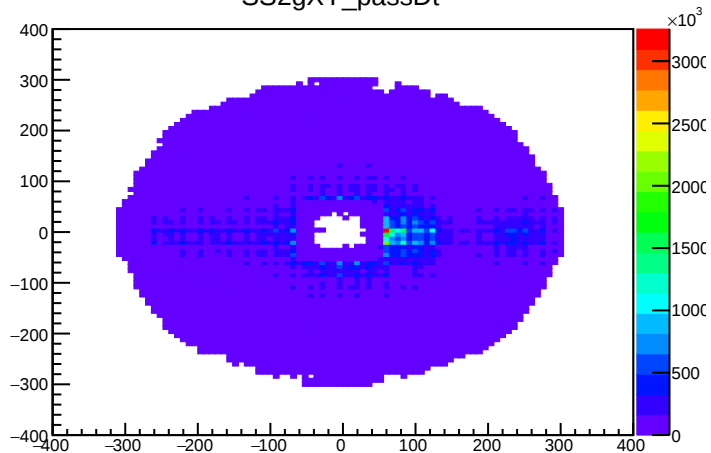
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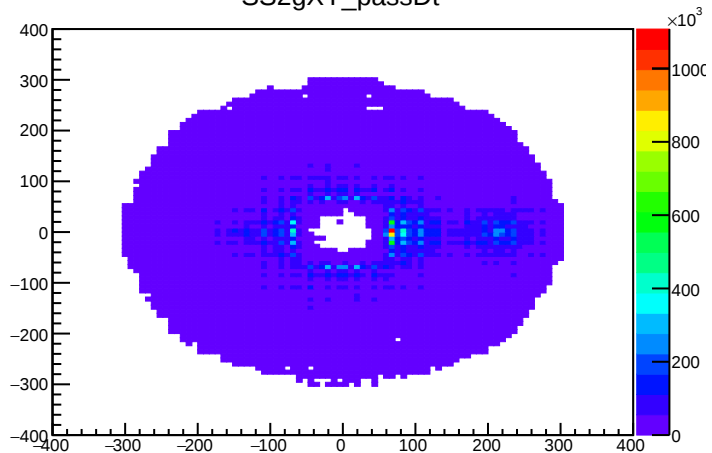
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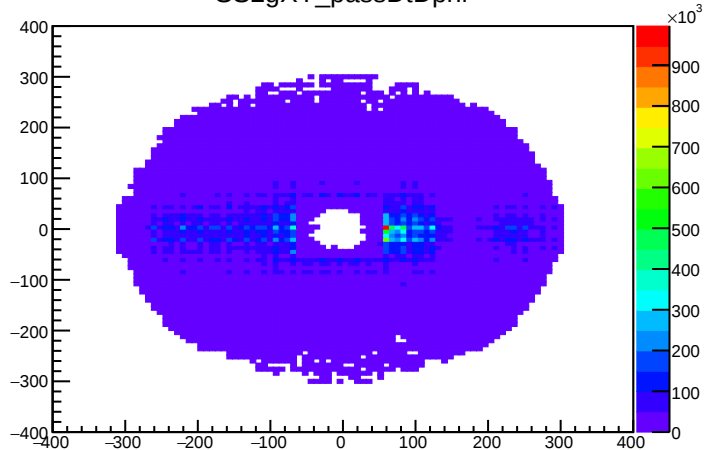
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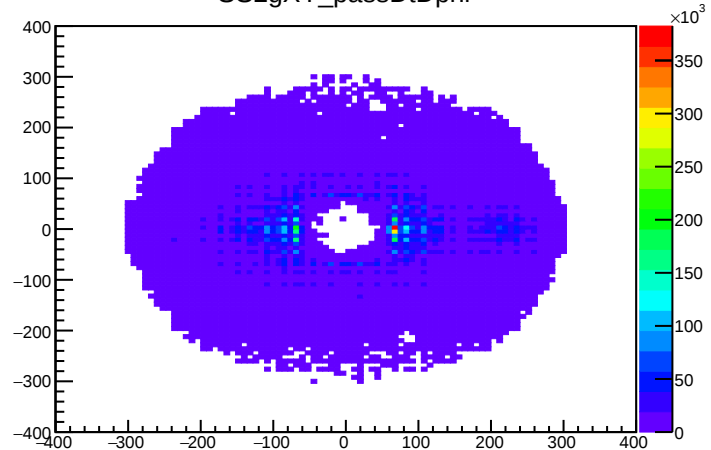
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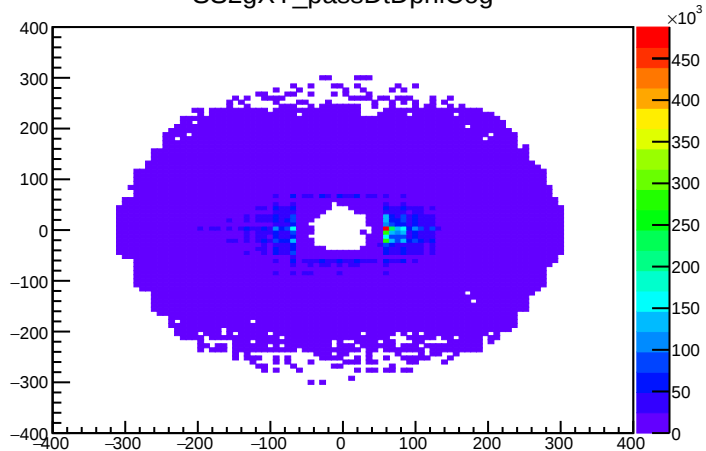
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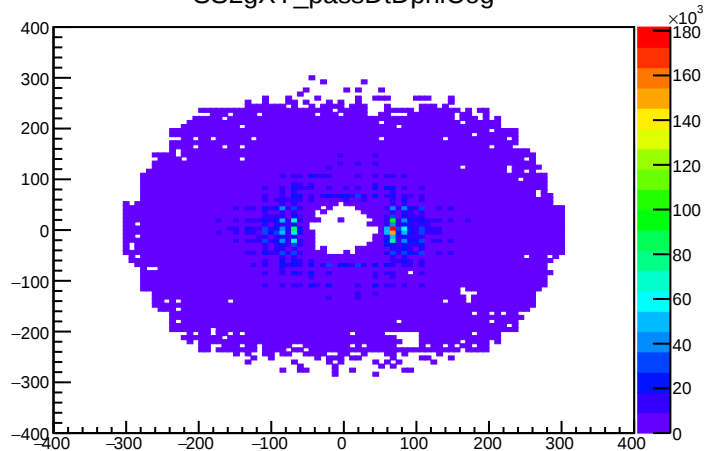
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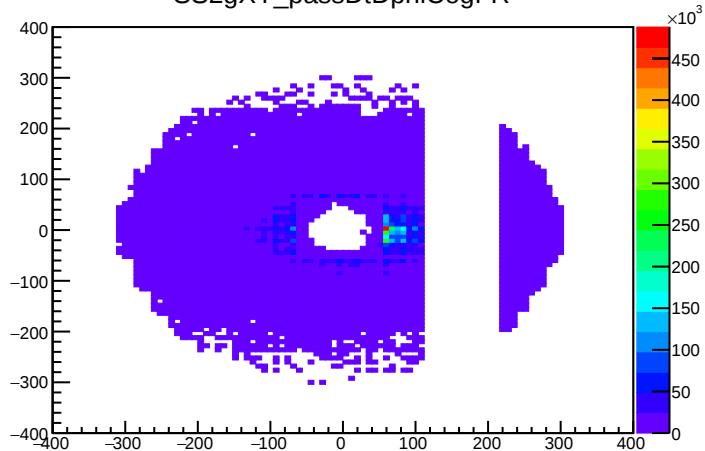
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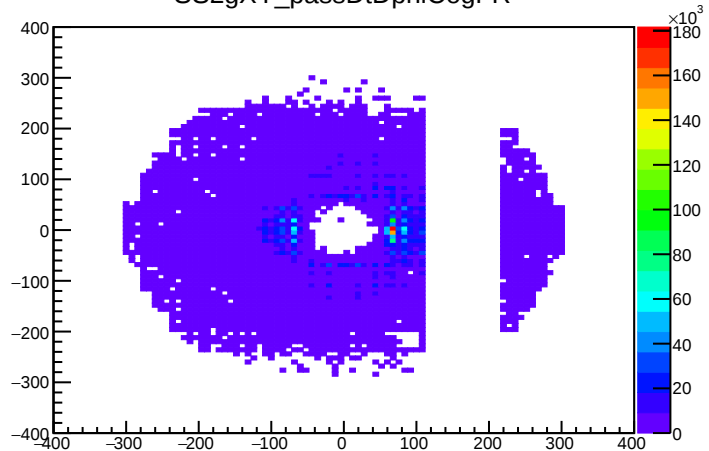
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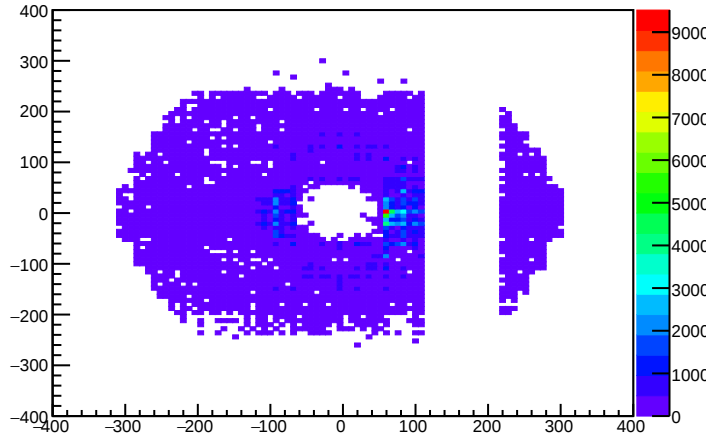
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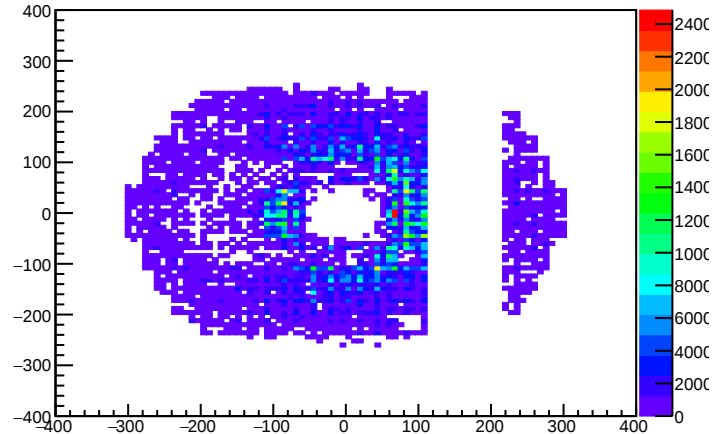
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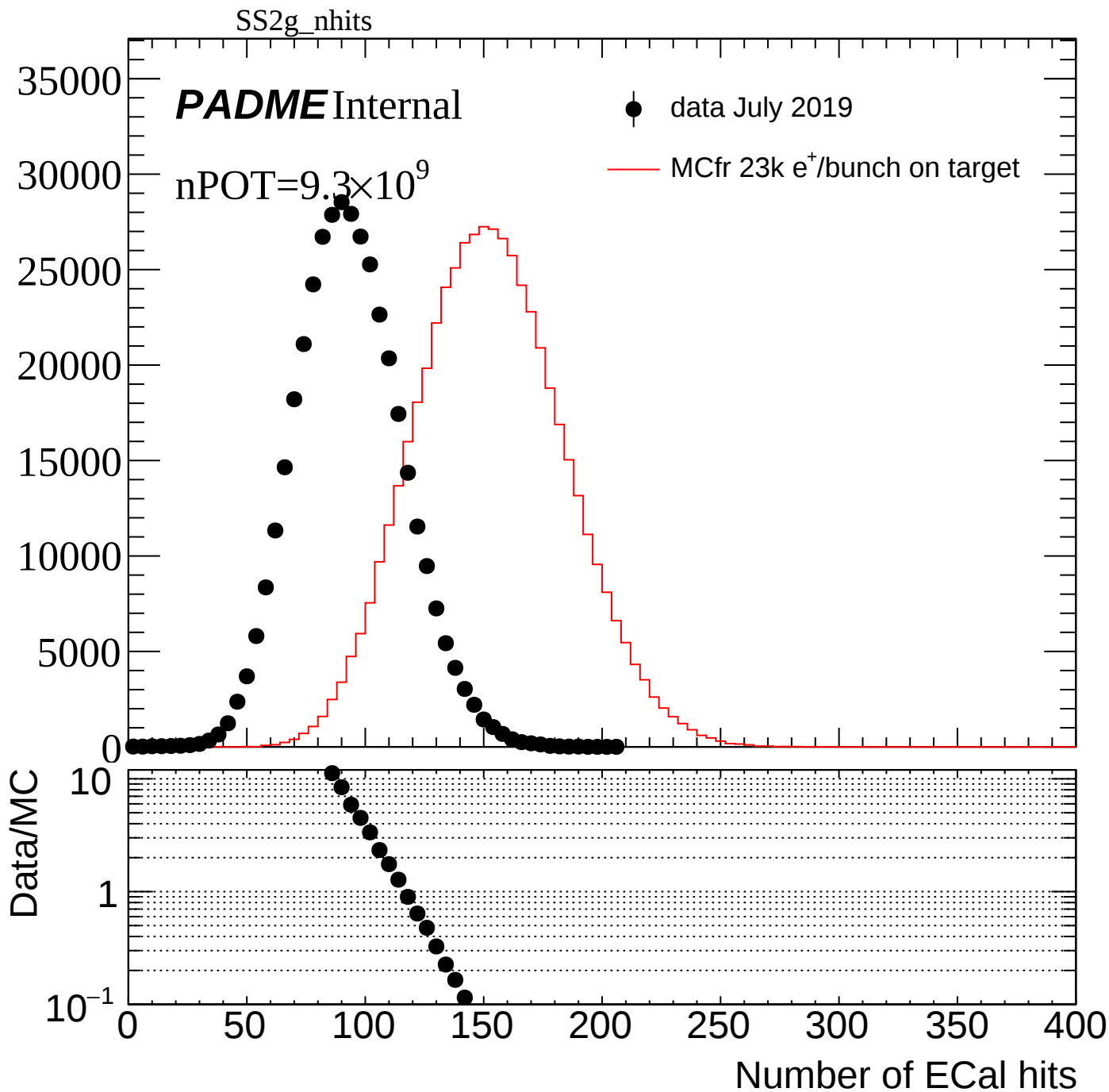


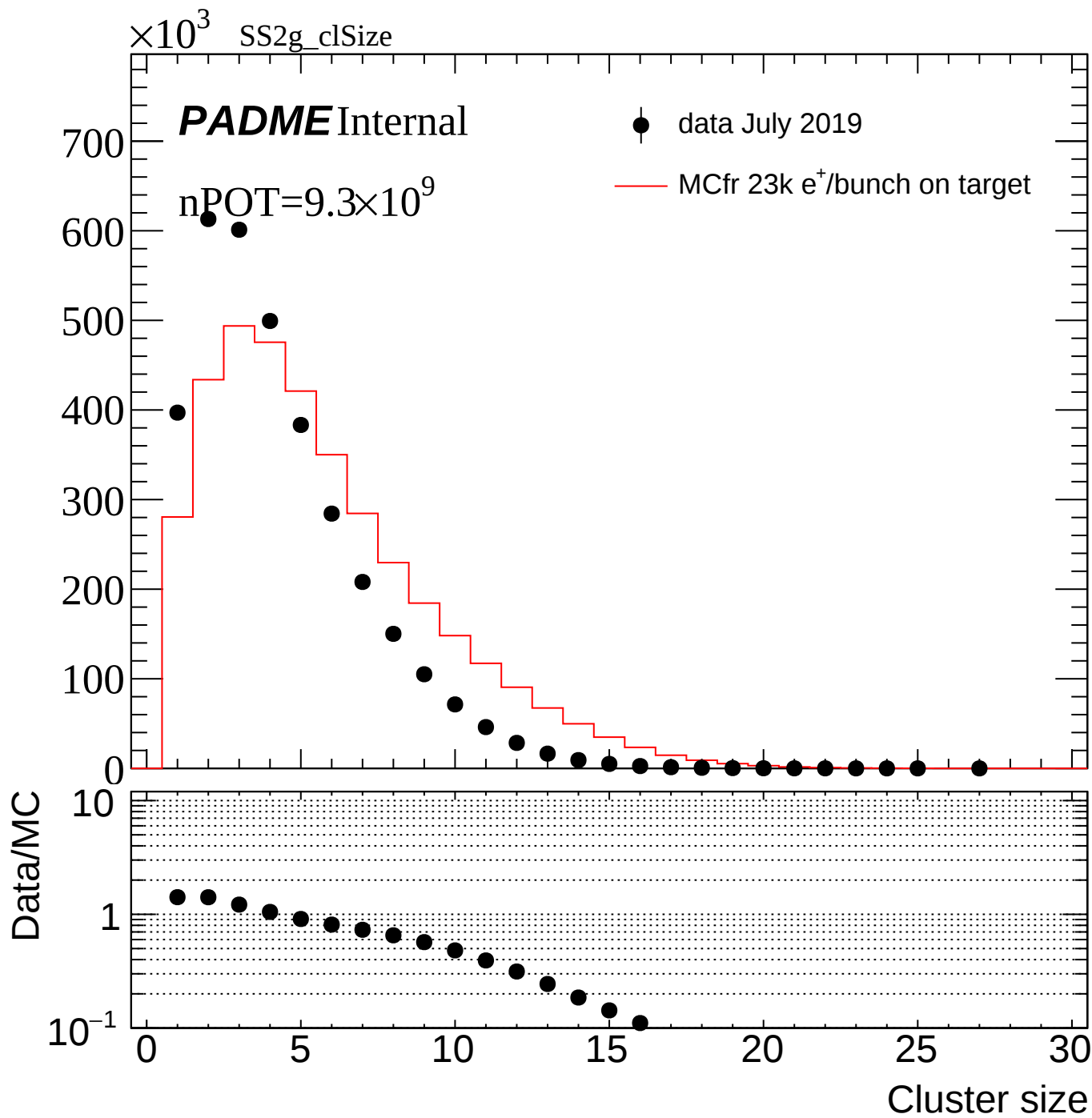
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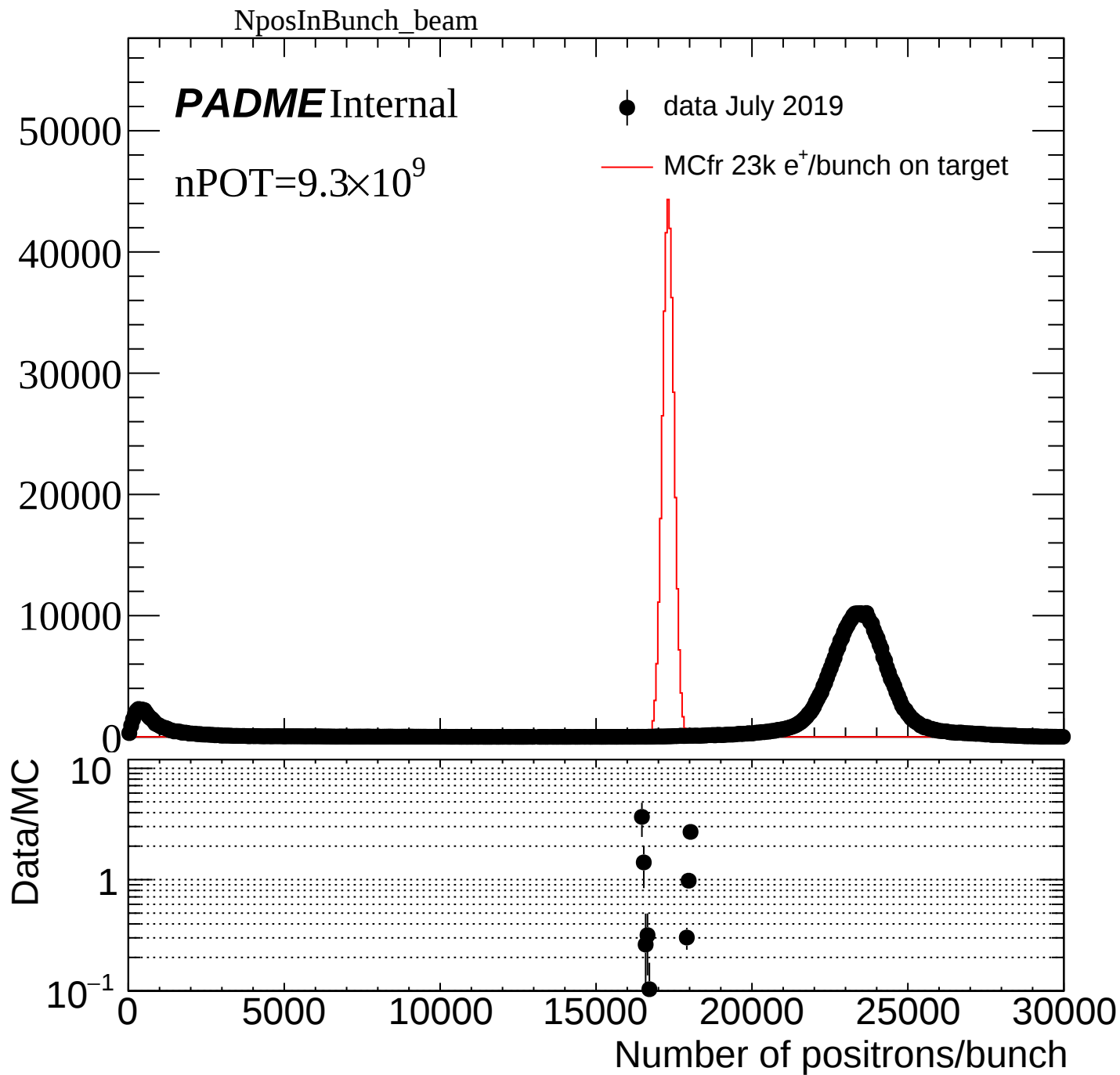


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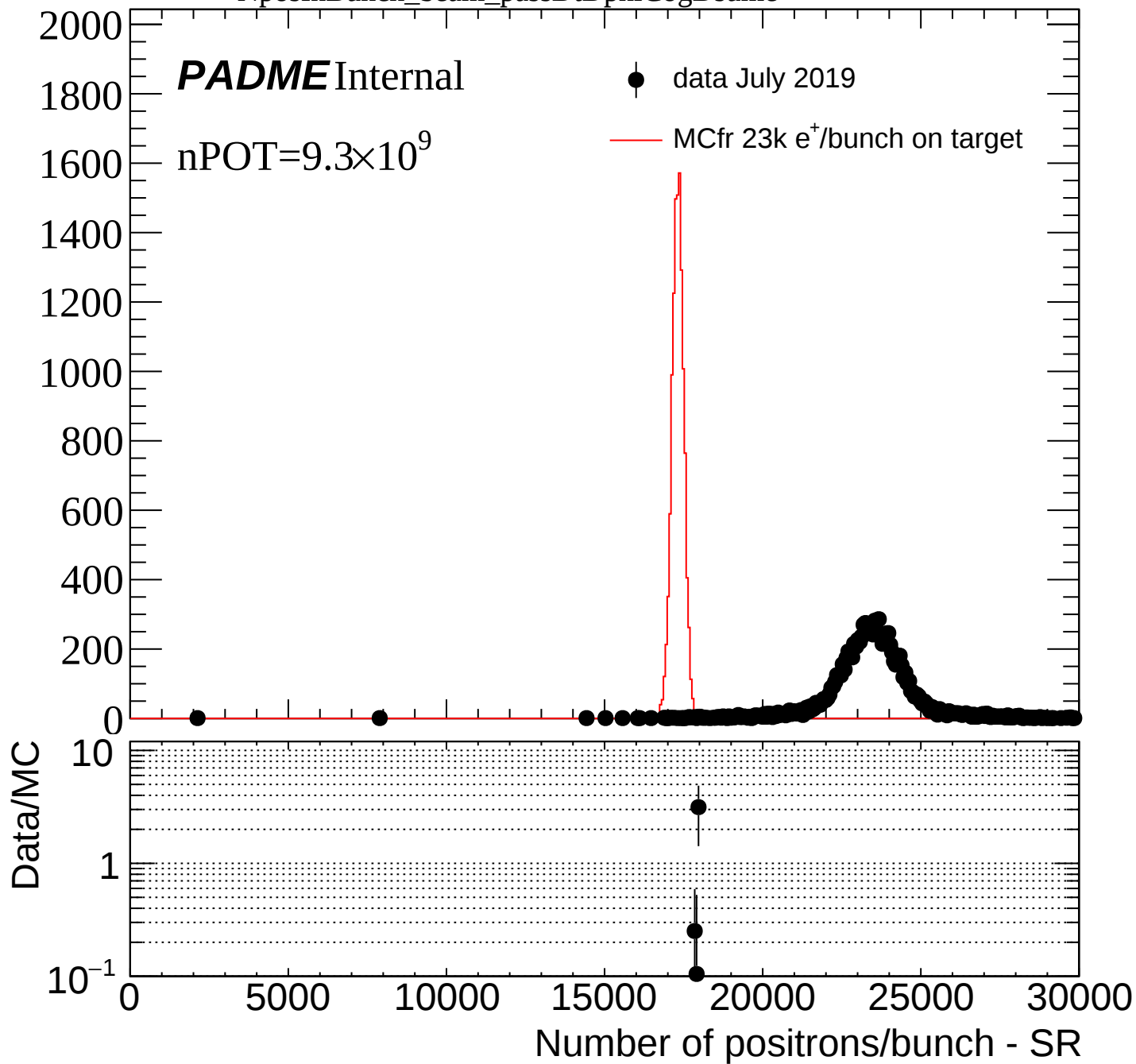




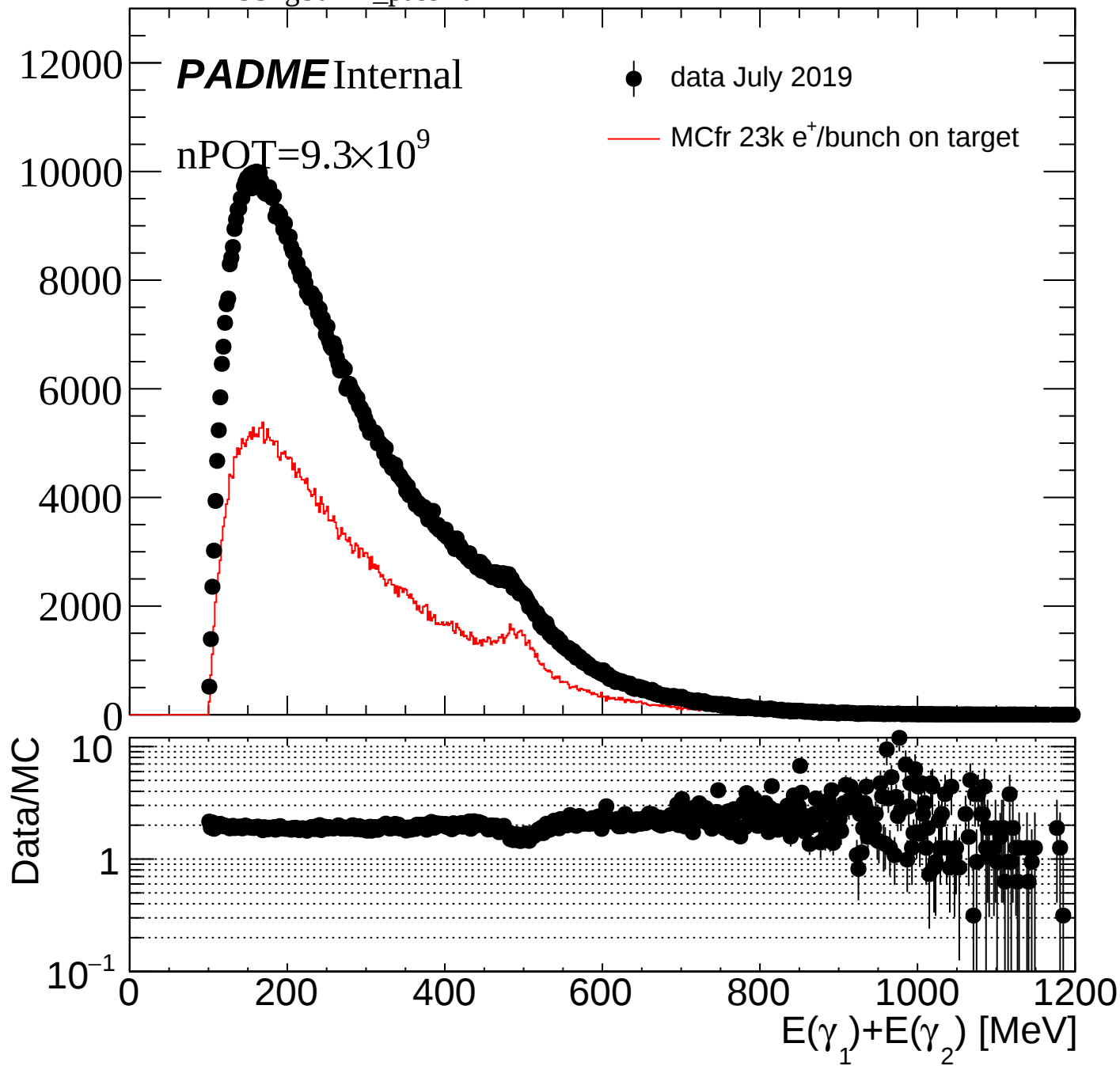




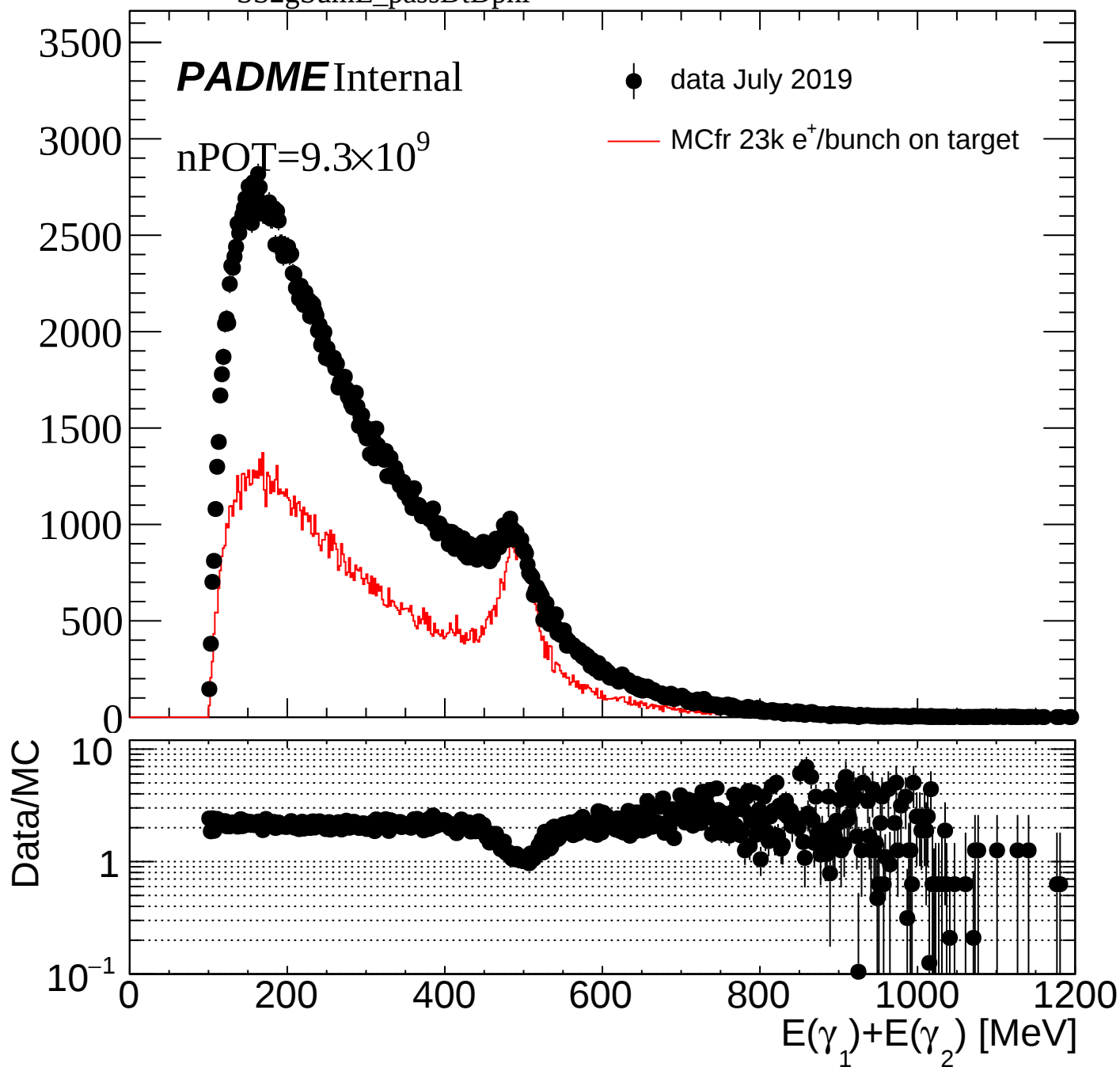
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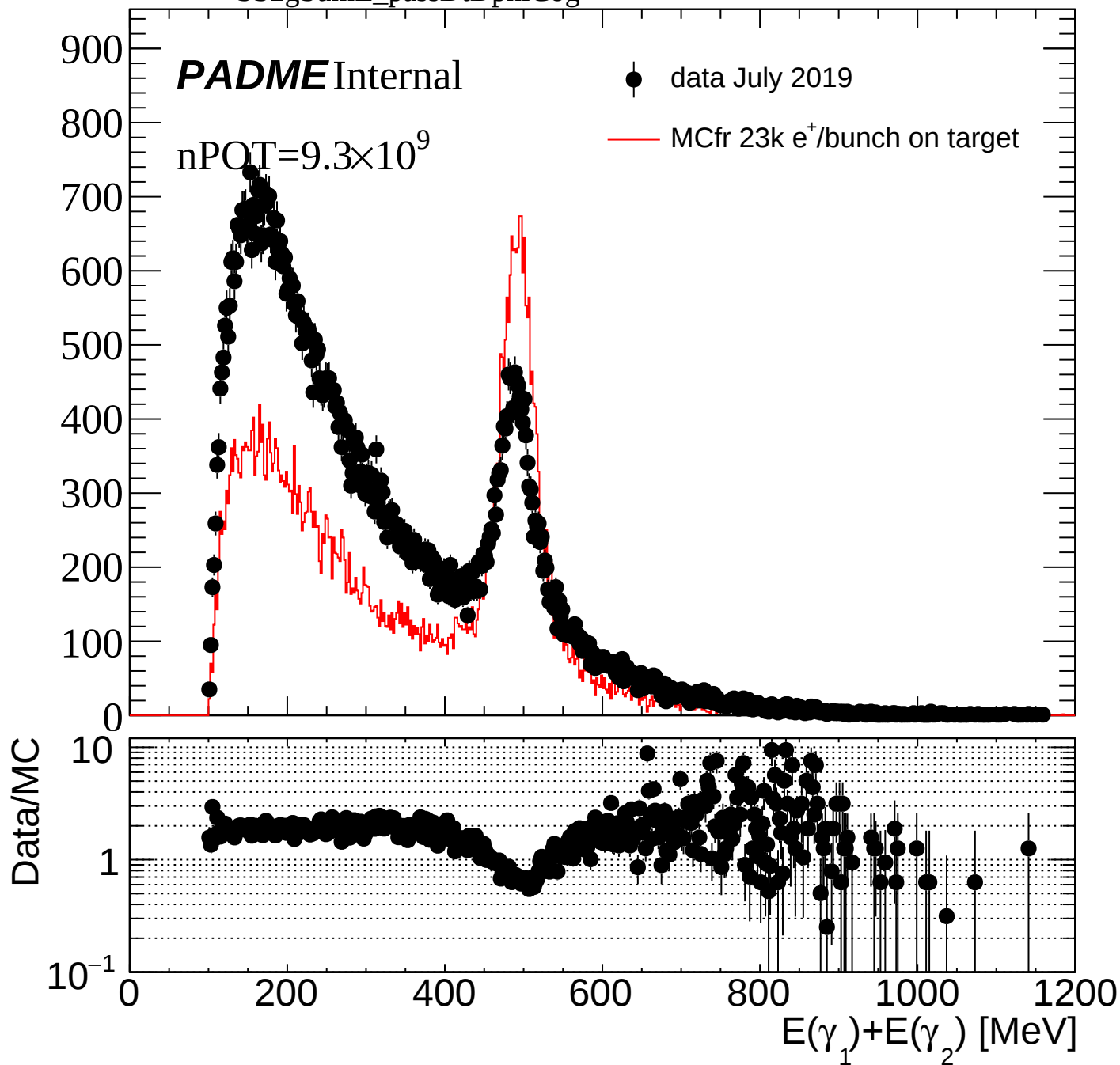
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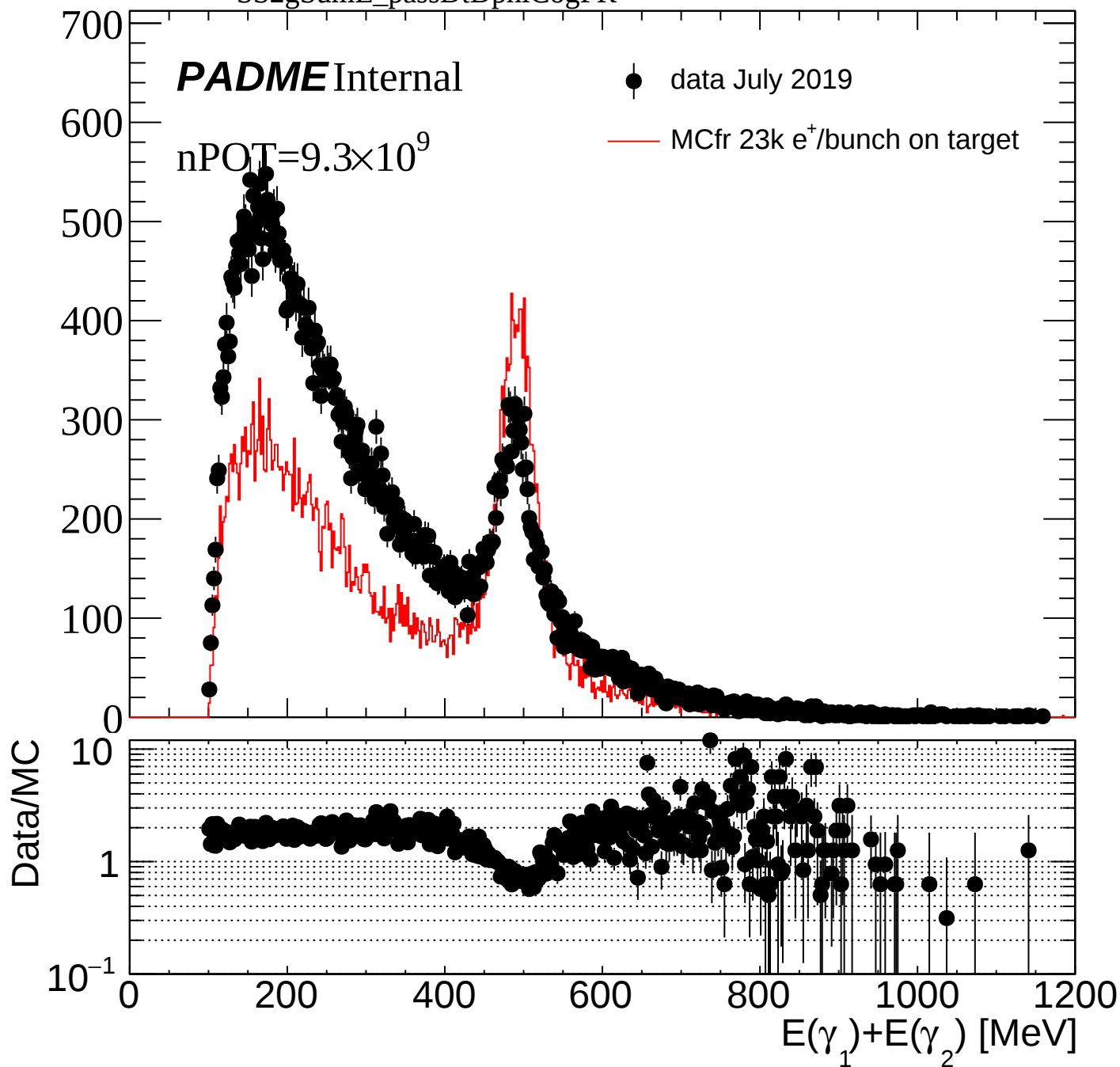
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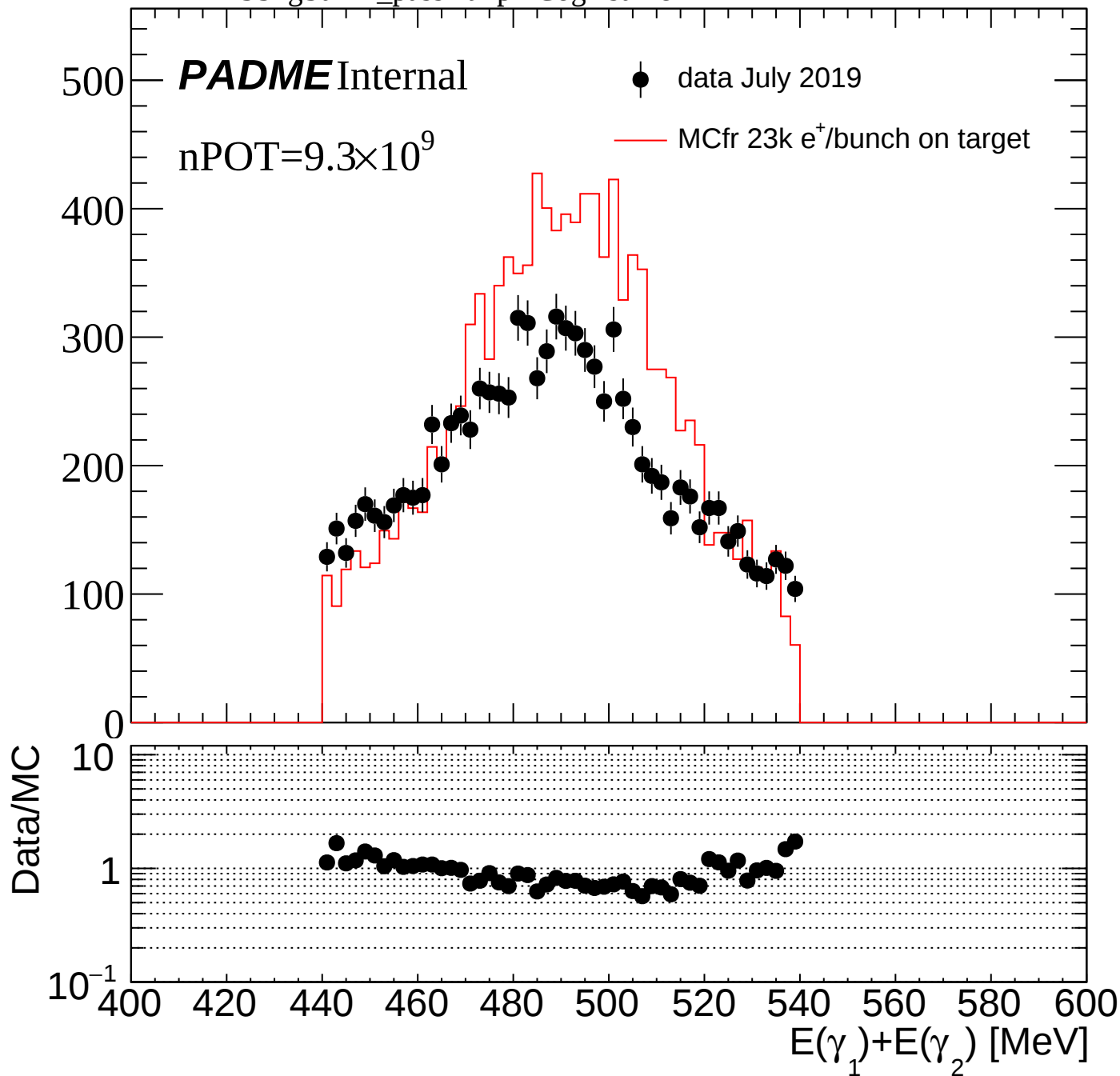
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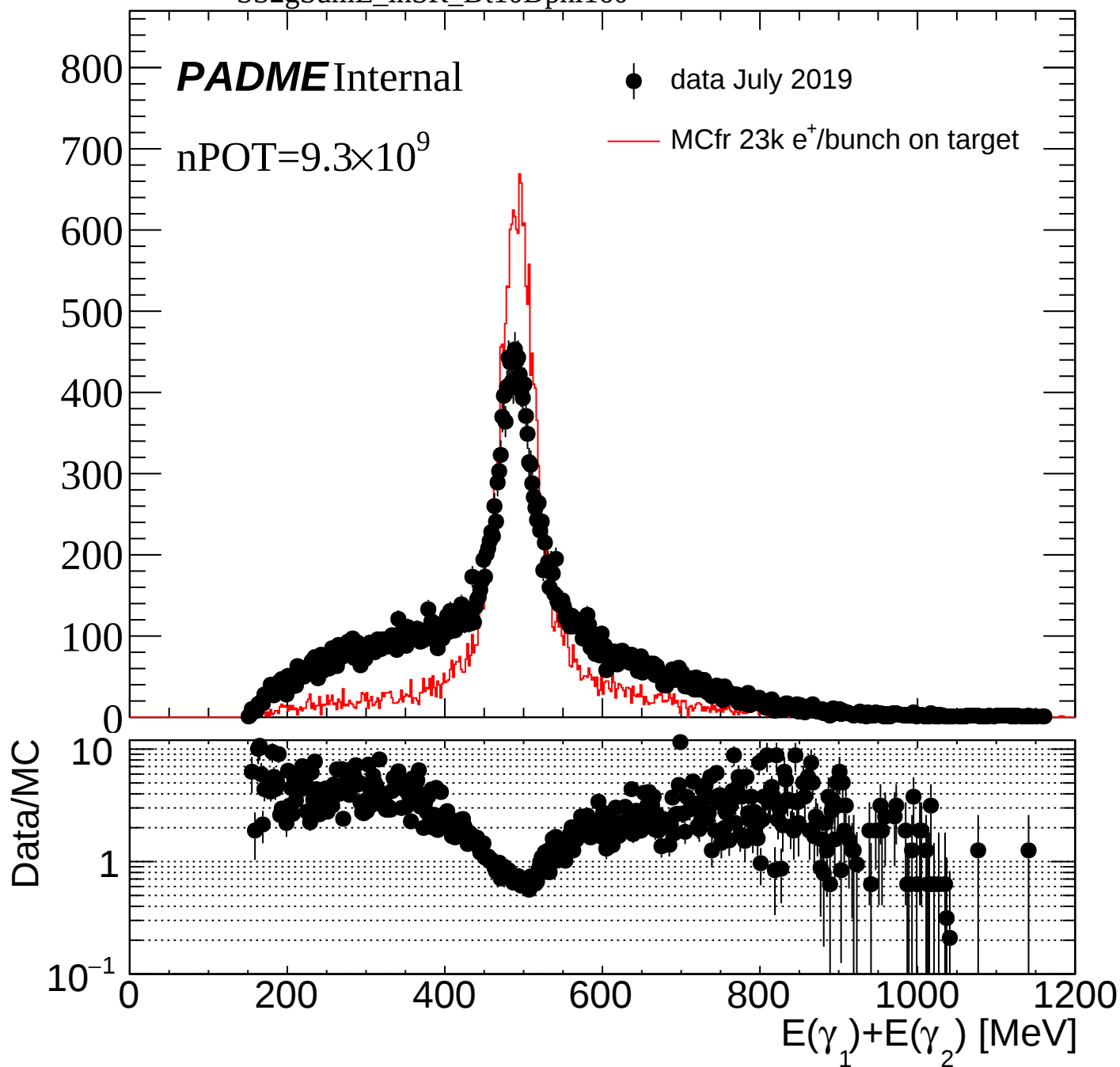
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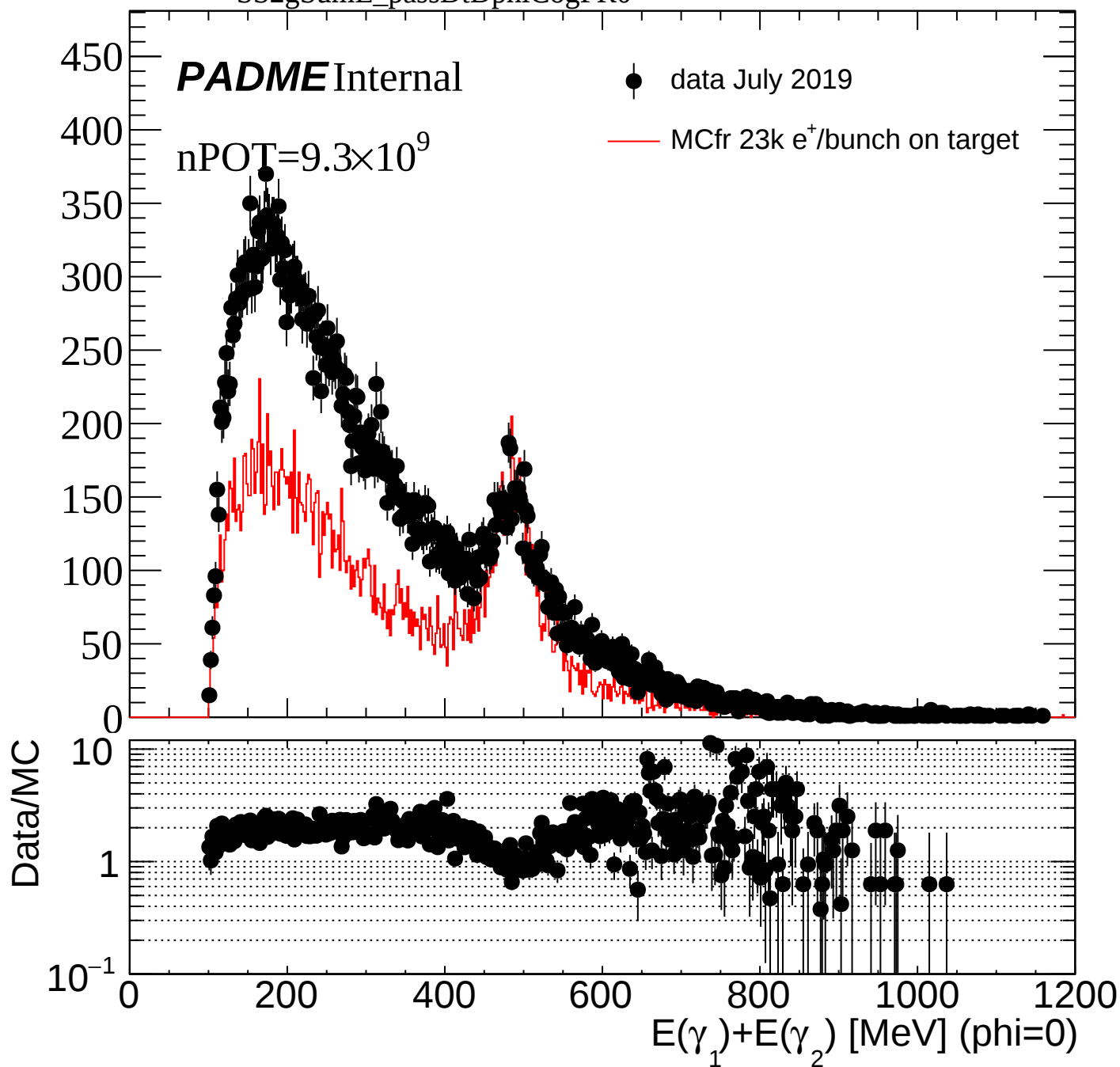
SS2gSumE_passDtDphiCogDsume

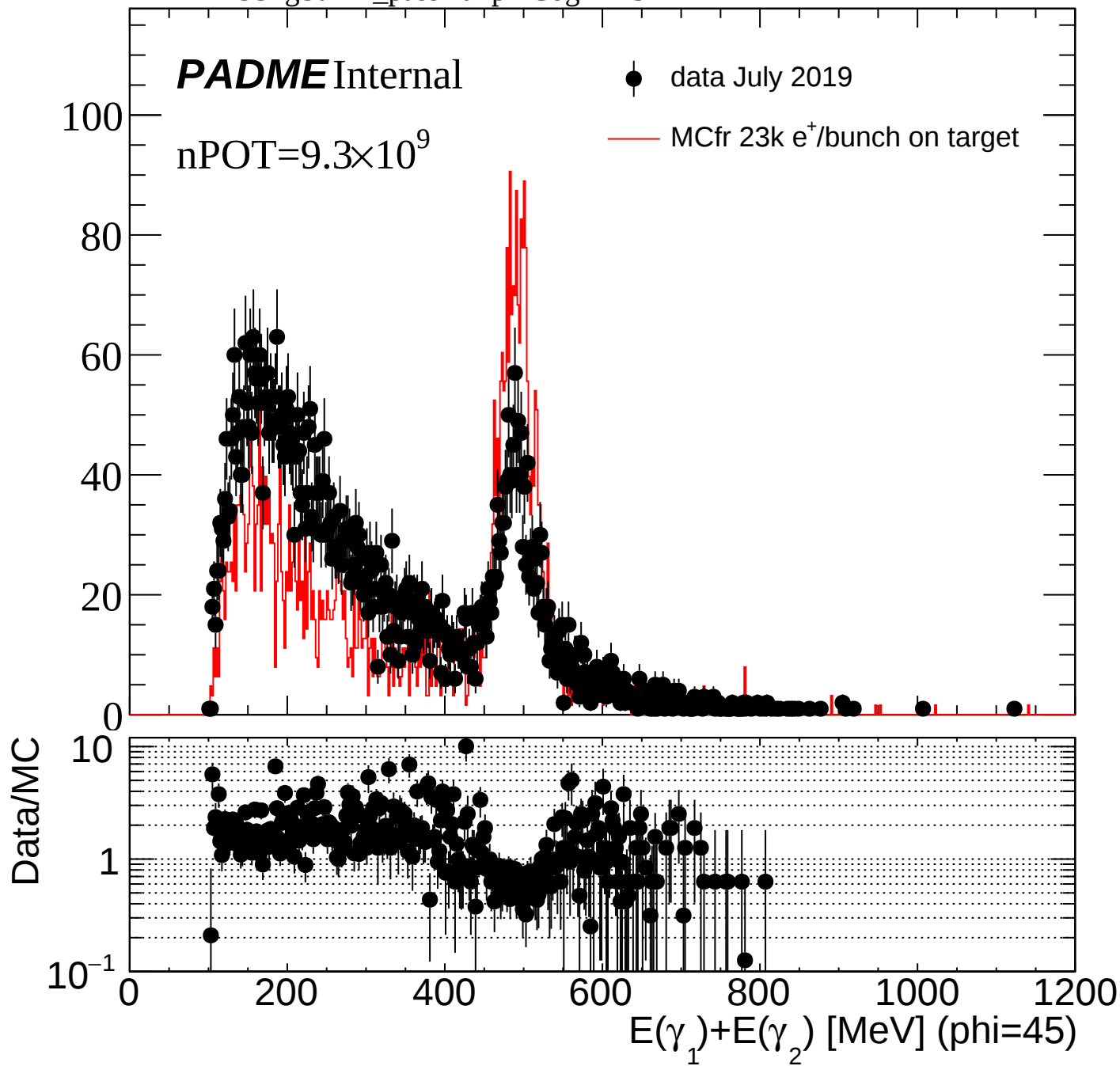


SS2gSumE_inSR_Dt10Dphi160

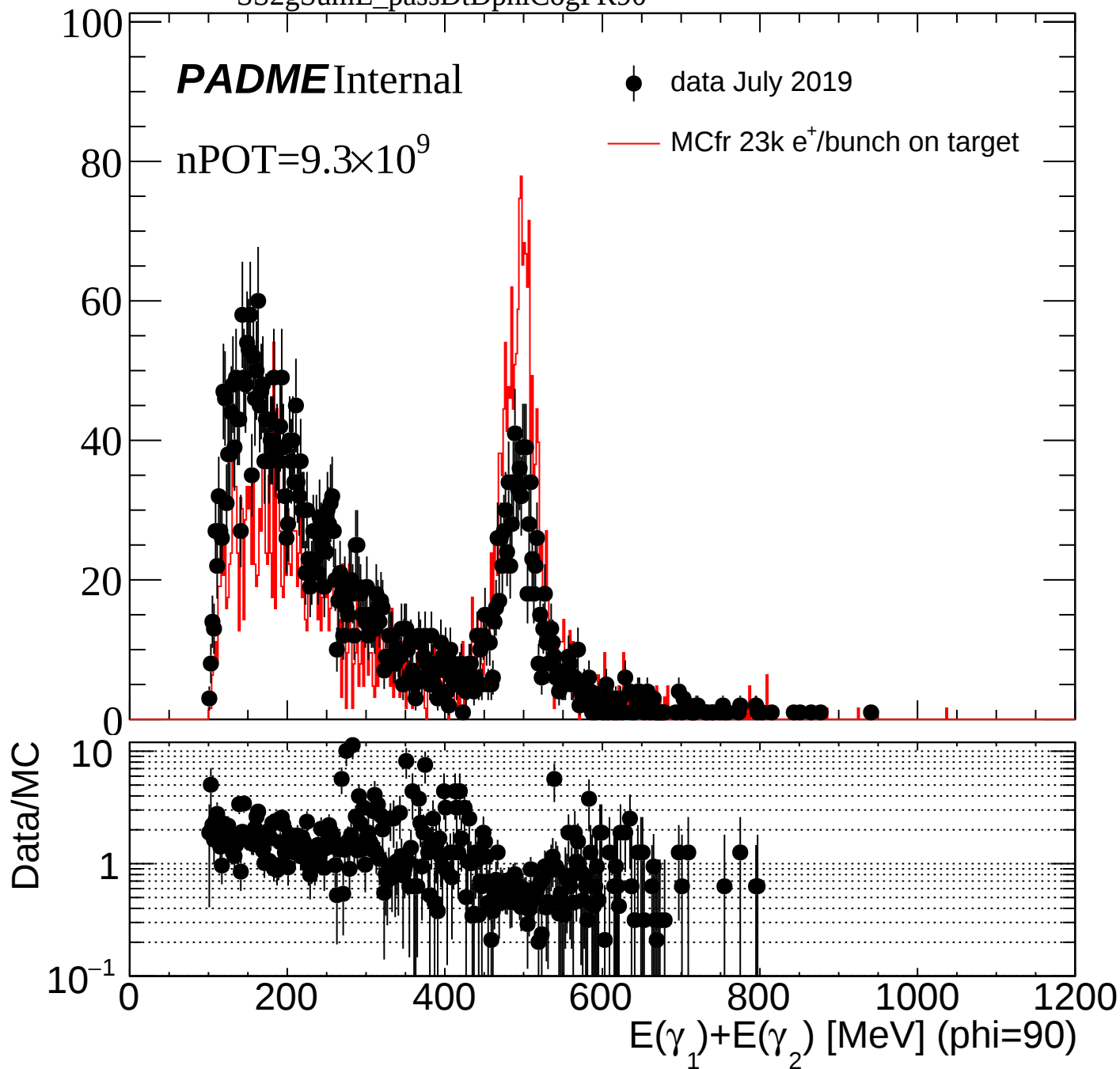


SS2gSumE_passDtDphiCogFR0





SS2gSumE_passDtDphiCogFR90



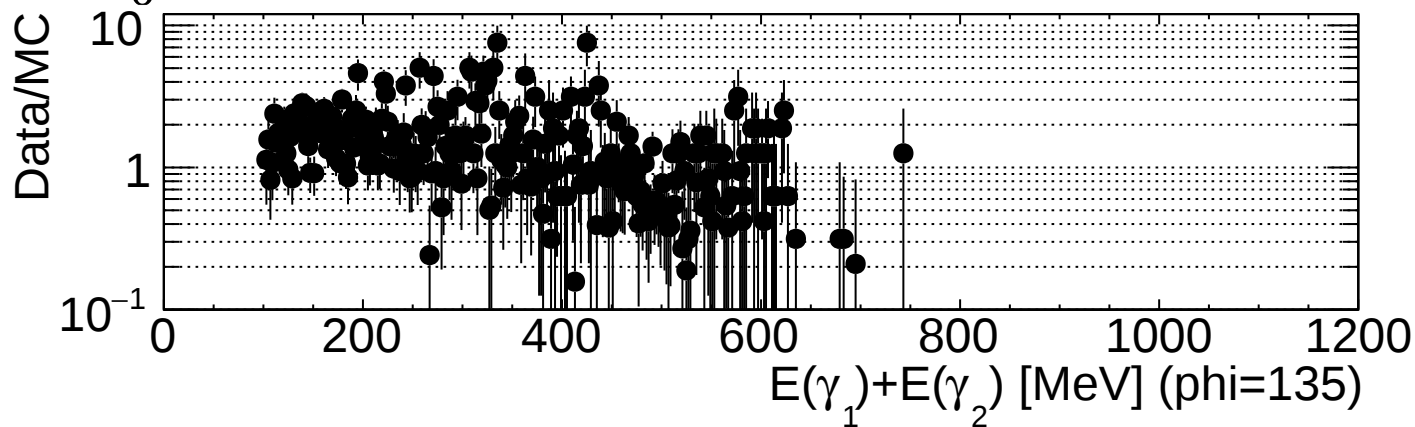
SS2gSumE_passDtDphiCogFR135

PADME Internal

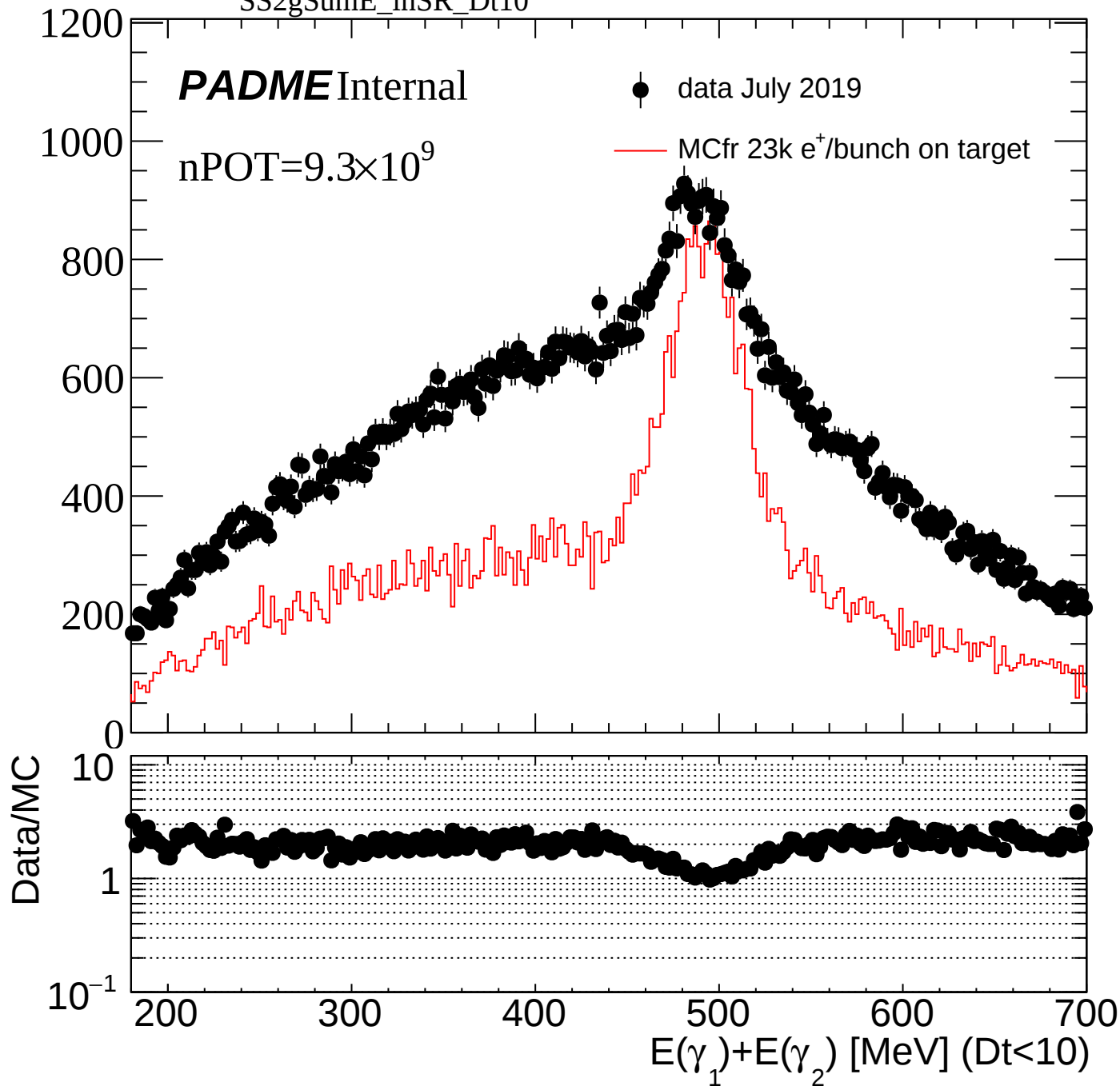
$nPOT=9.3 \times 10^9$

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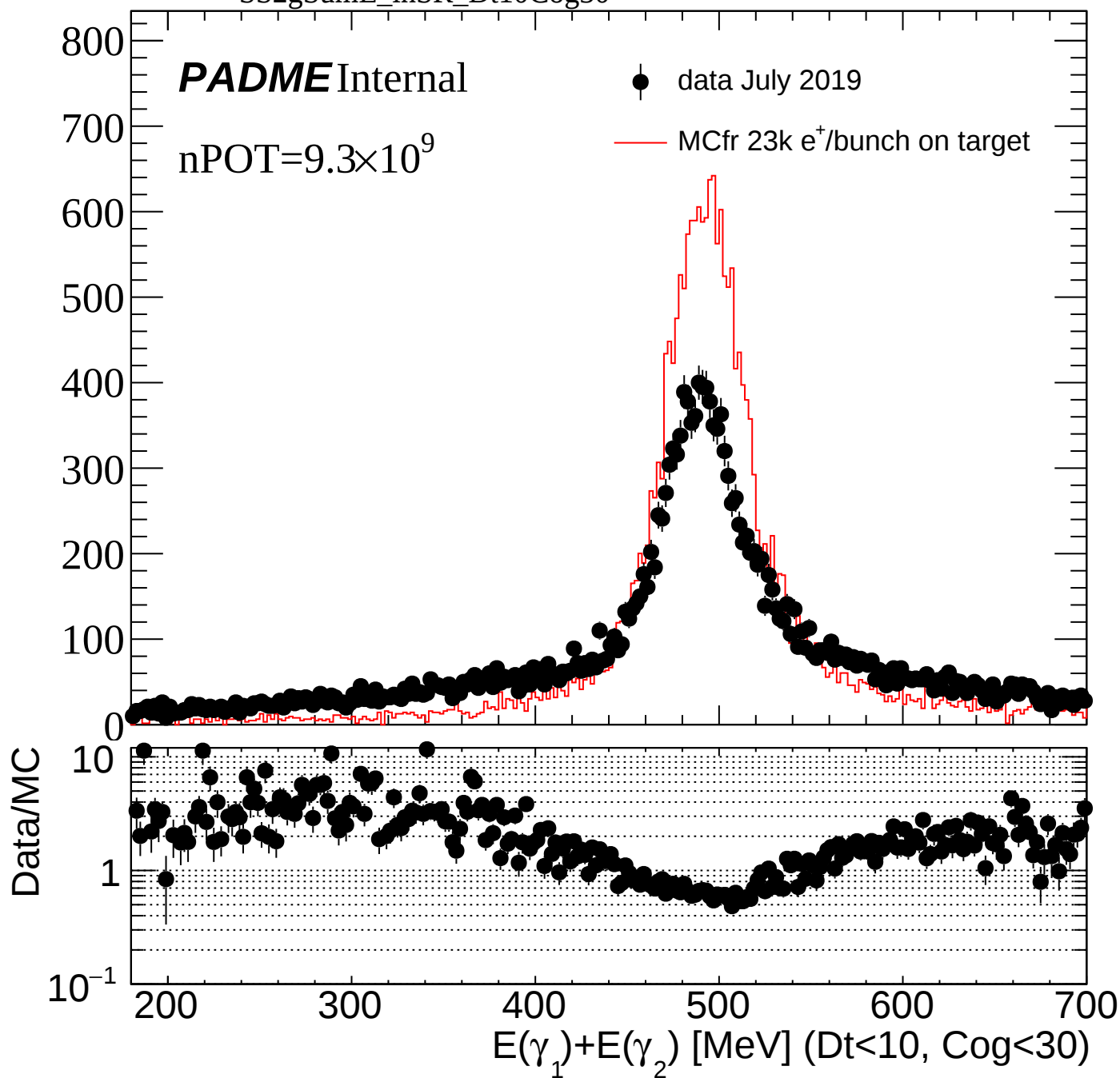
— MCfr 23k e^+ /bunch on target



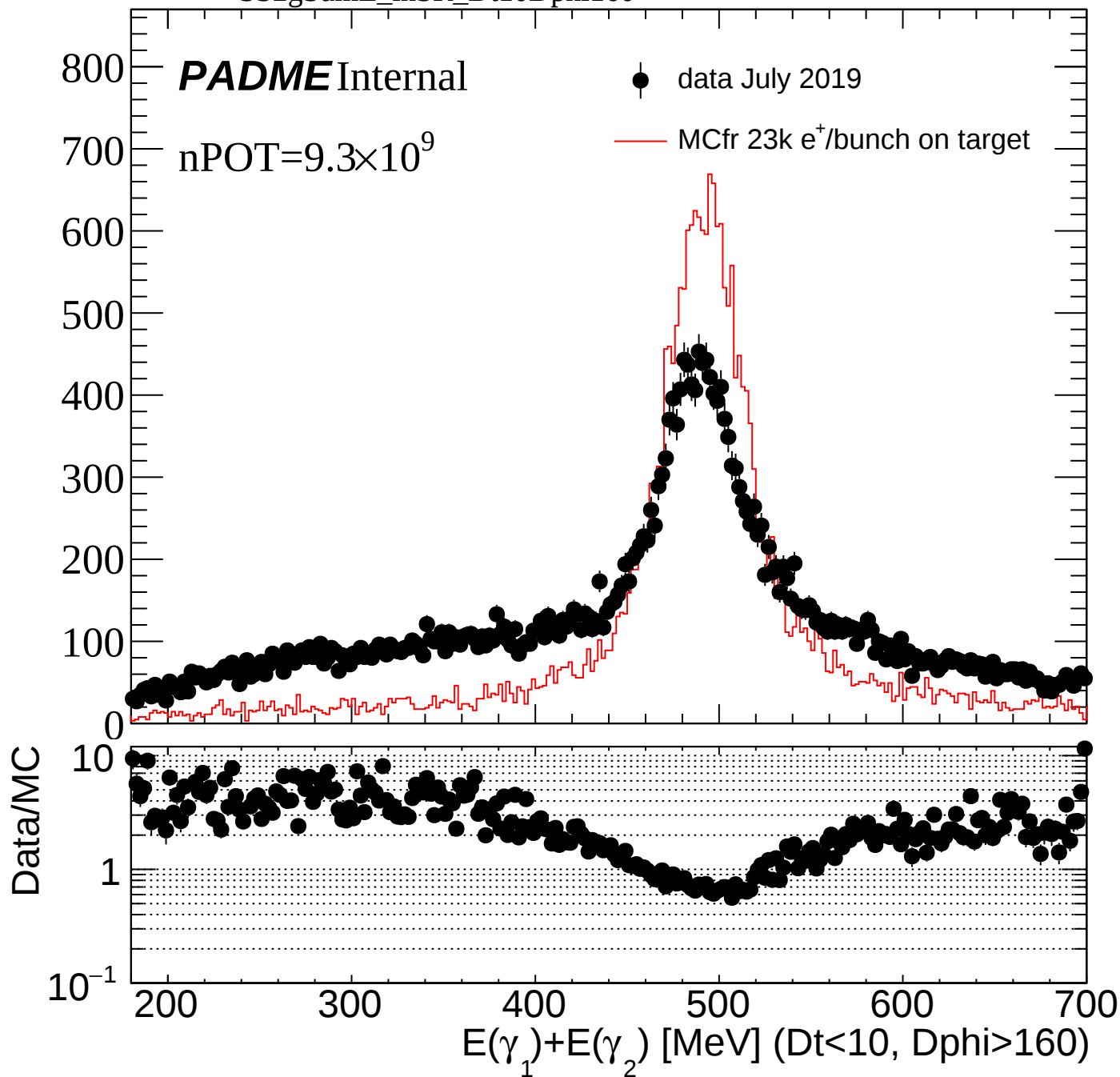
SS2gSumE_inSR_Dt10



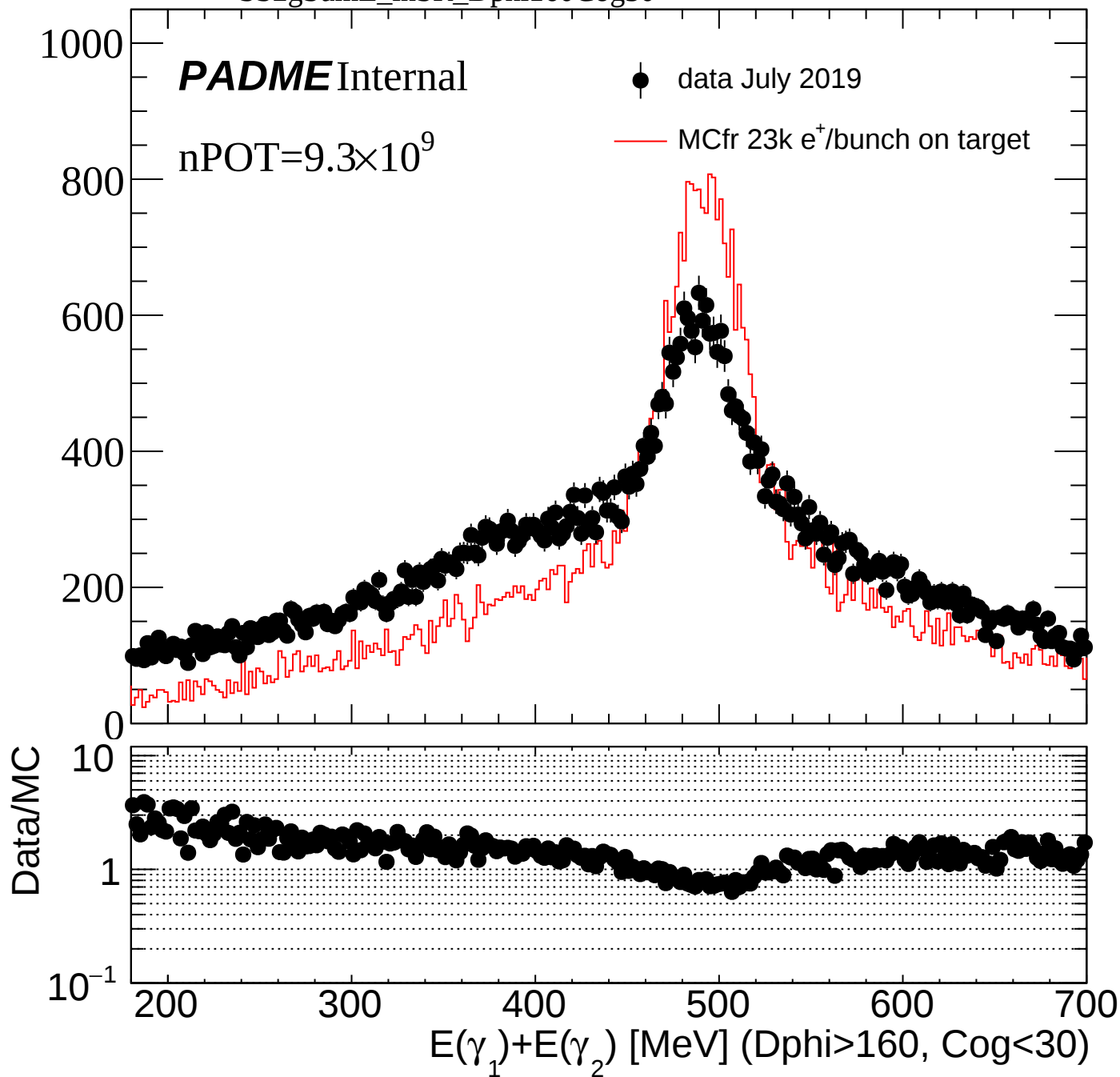
SS2gSumE_inSR_Dt10Cog30



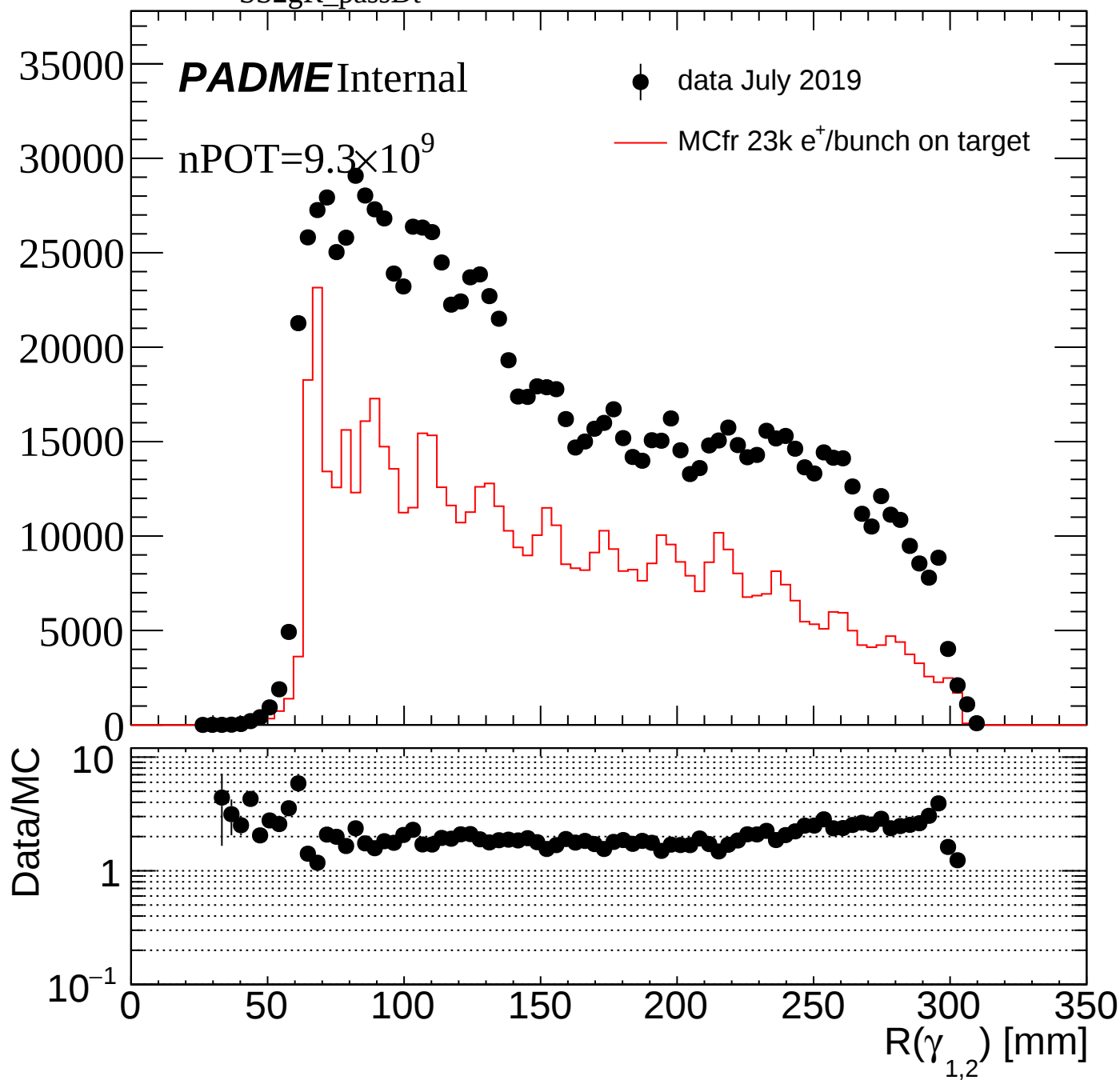
SS2gSumE_inSR_Dt10Dphi160



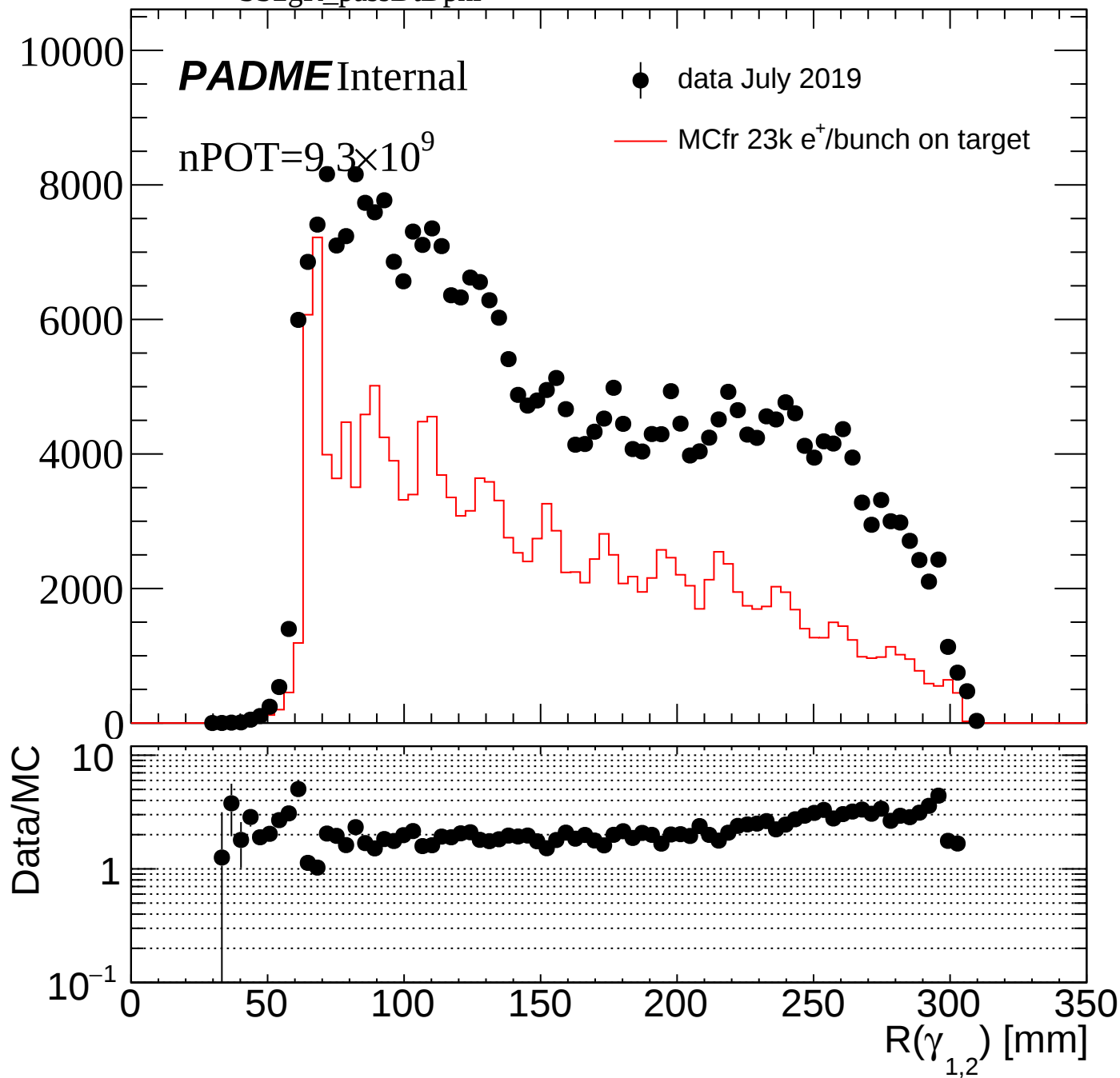
SS2gSumE_inSR_Dphi160Cog30



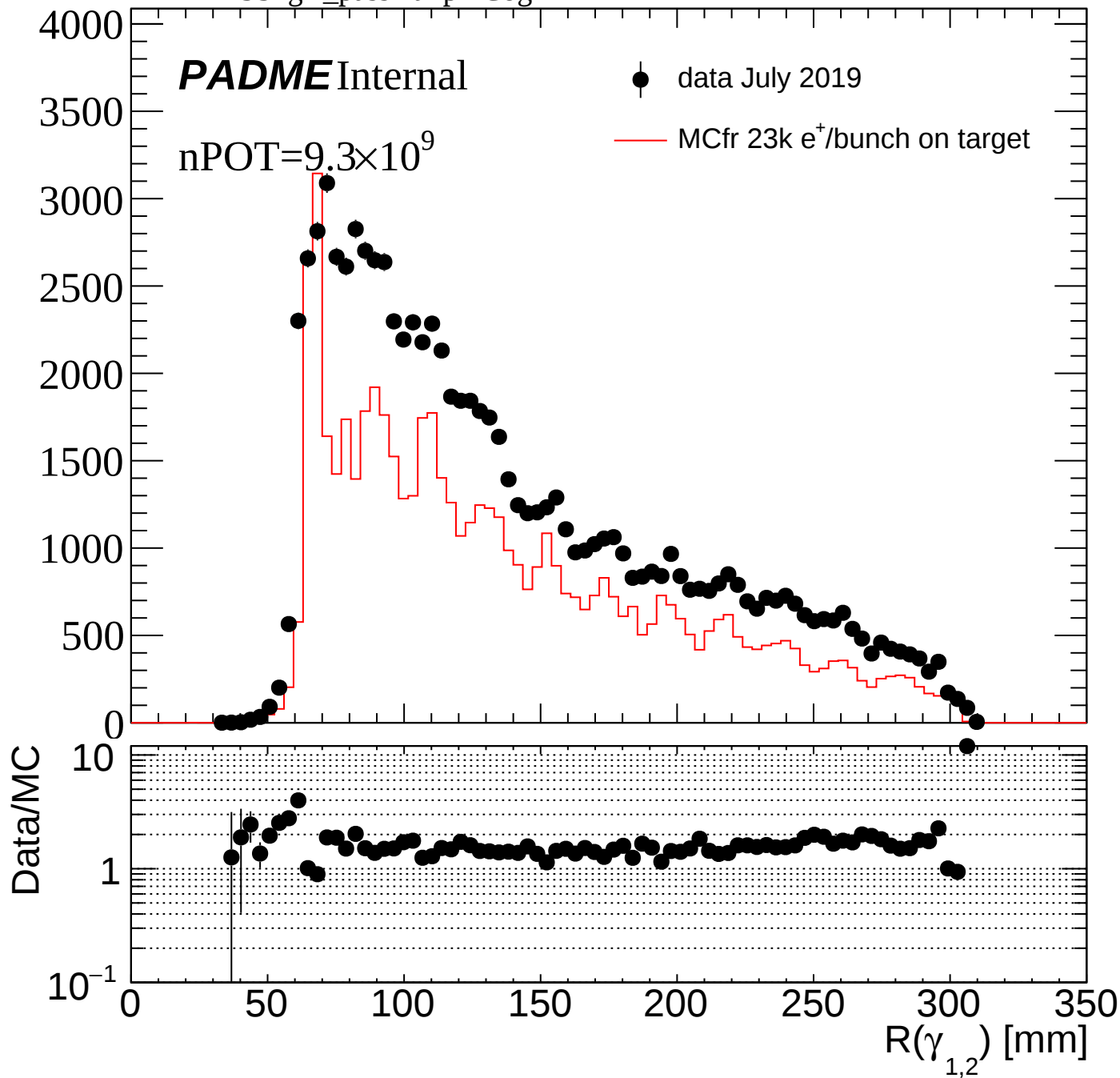
SS2gR_passDt



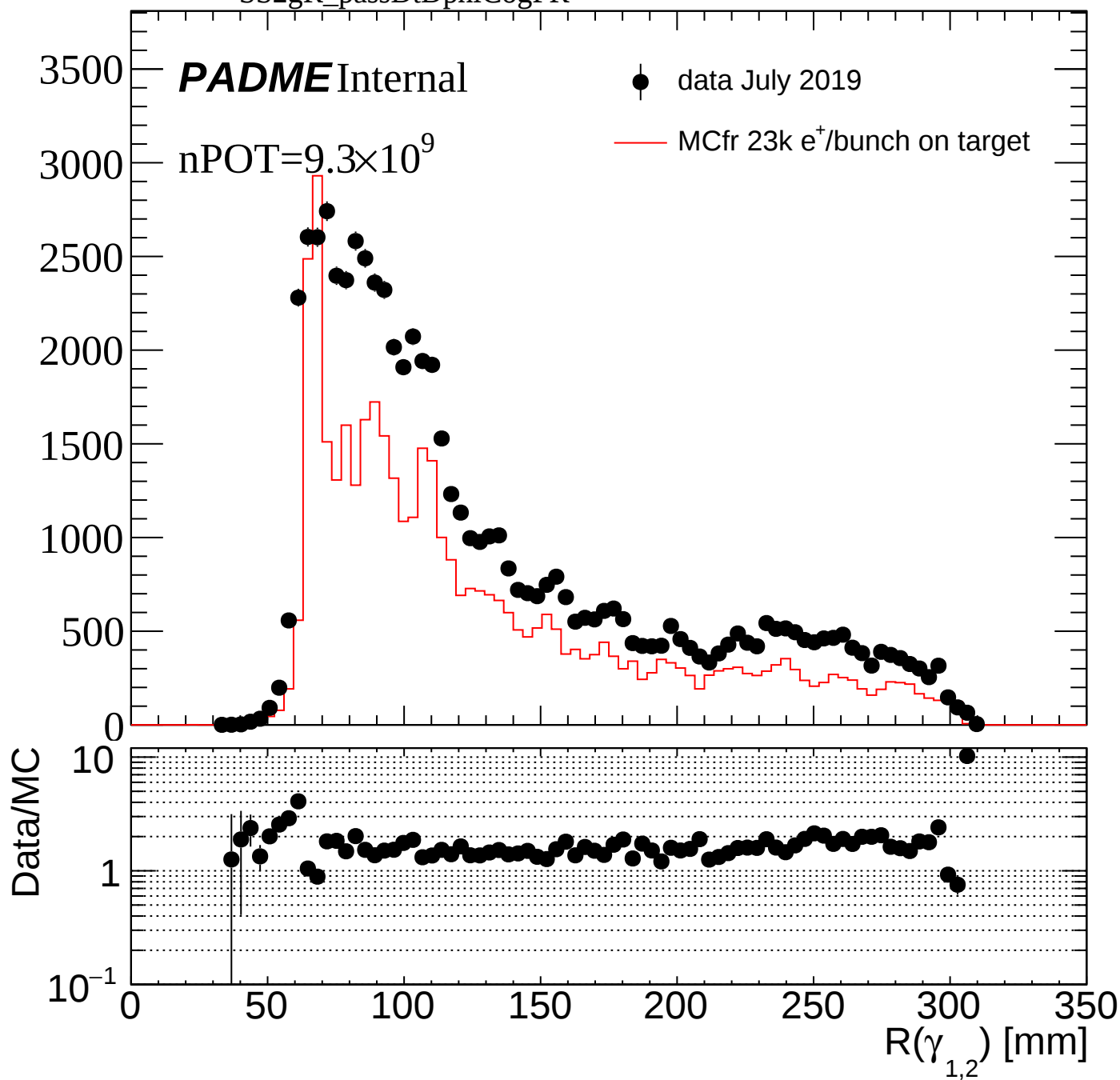
SS2gR_passDtDphi

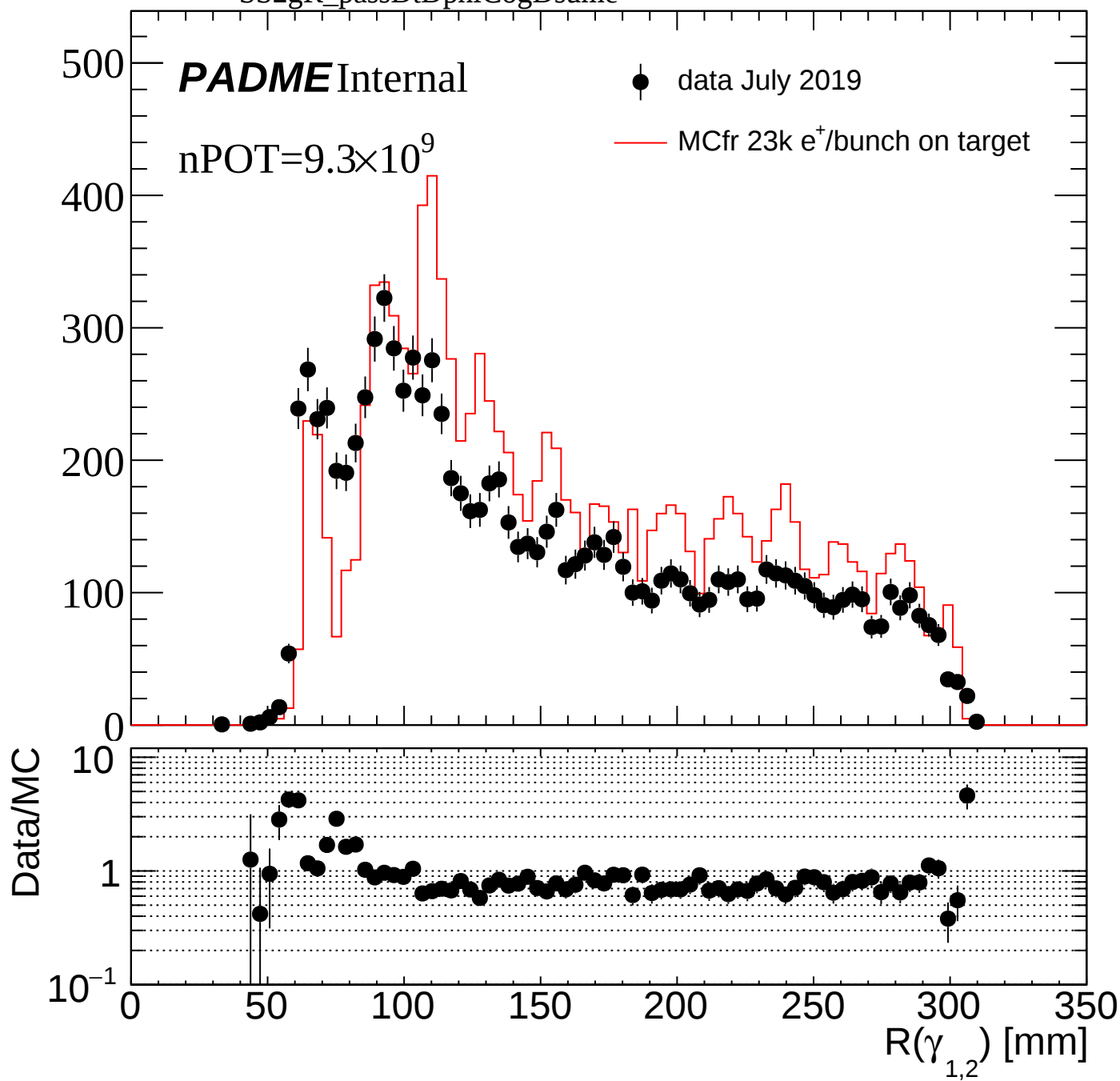


SS2gR_passDtDphiCog

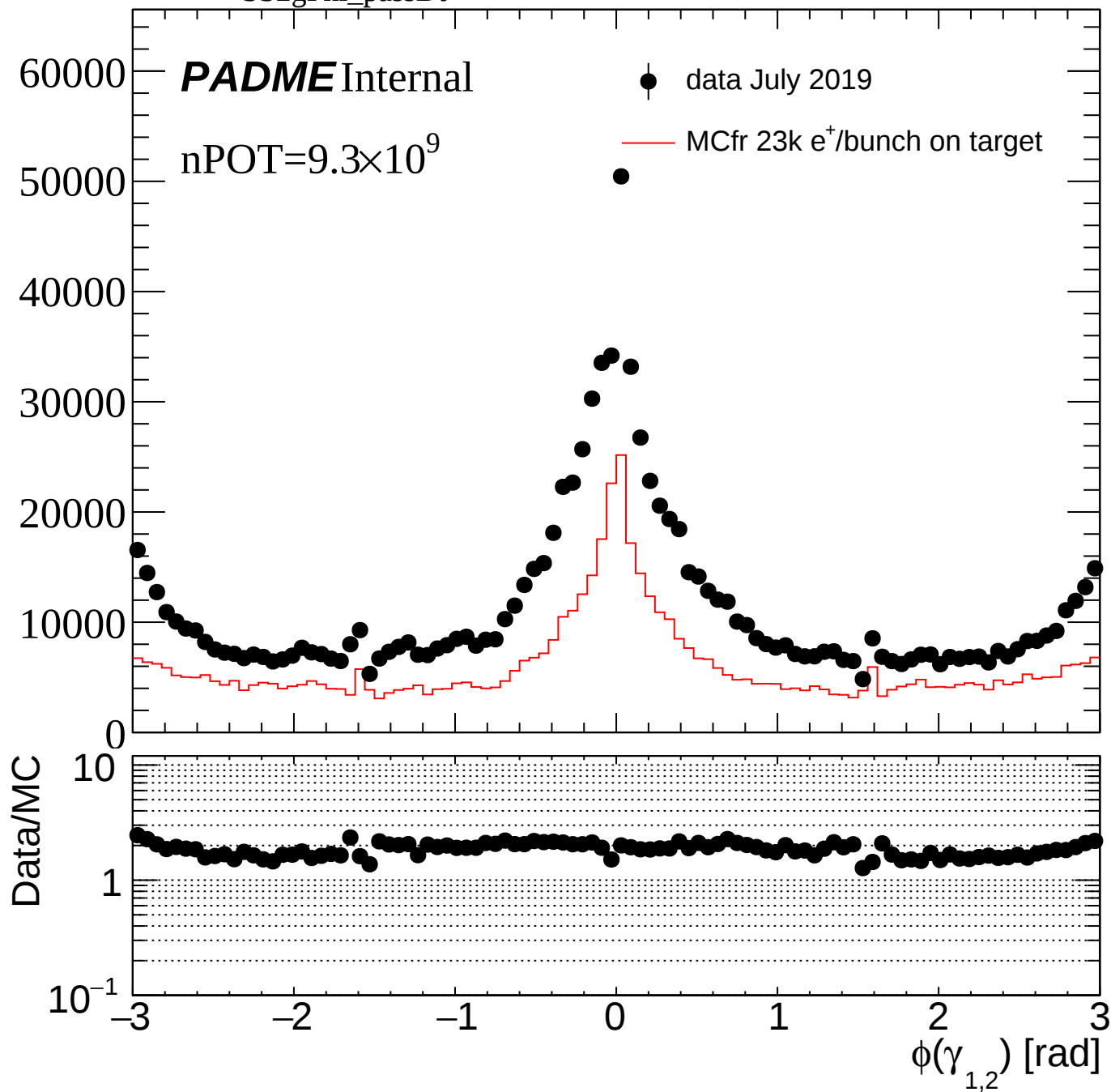


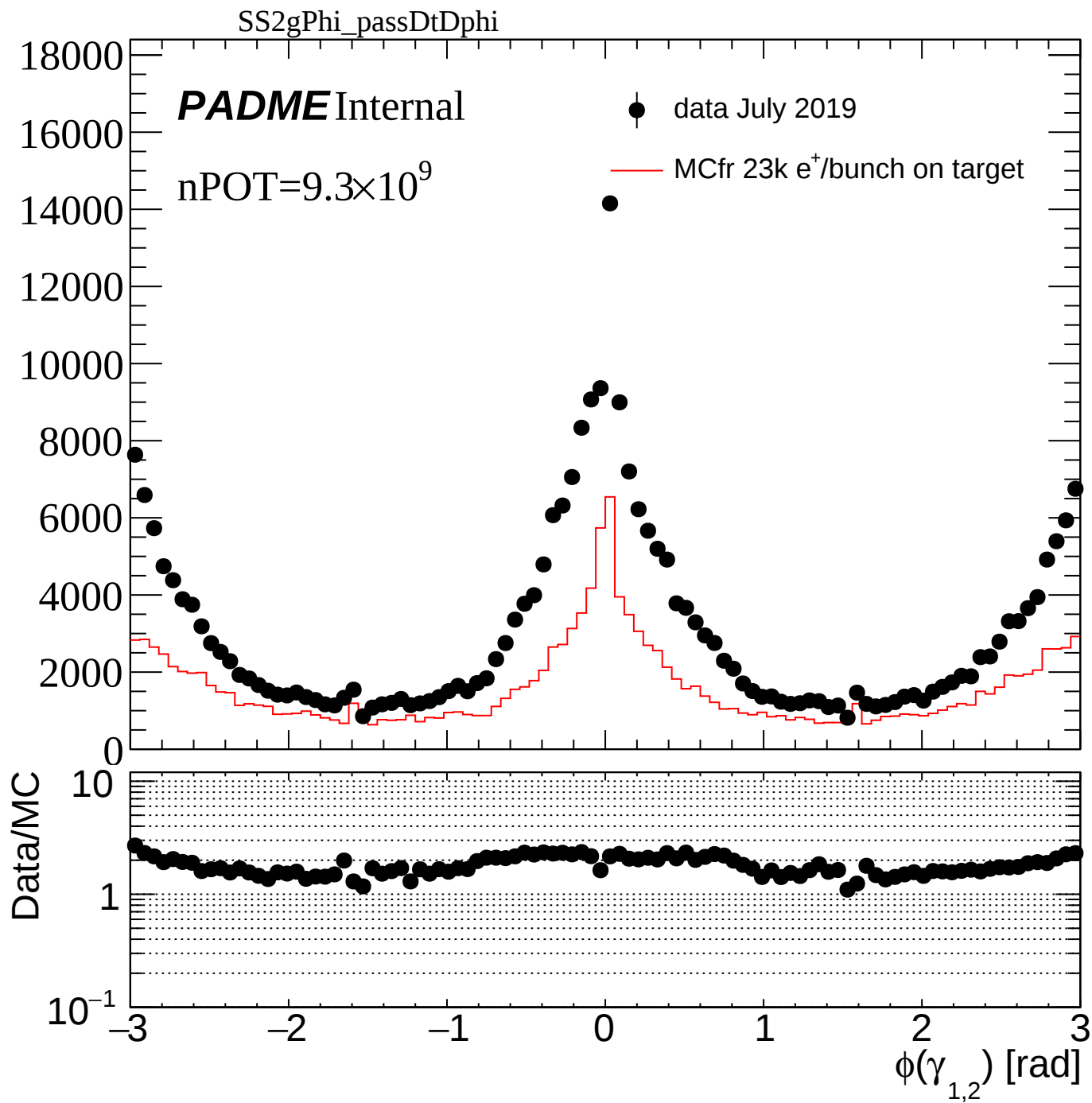
SS2gR_passDtDphiCogFR



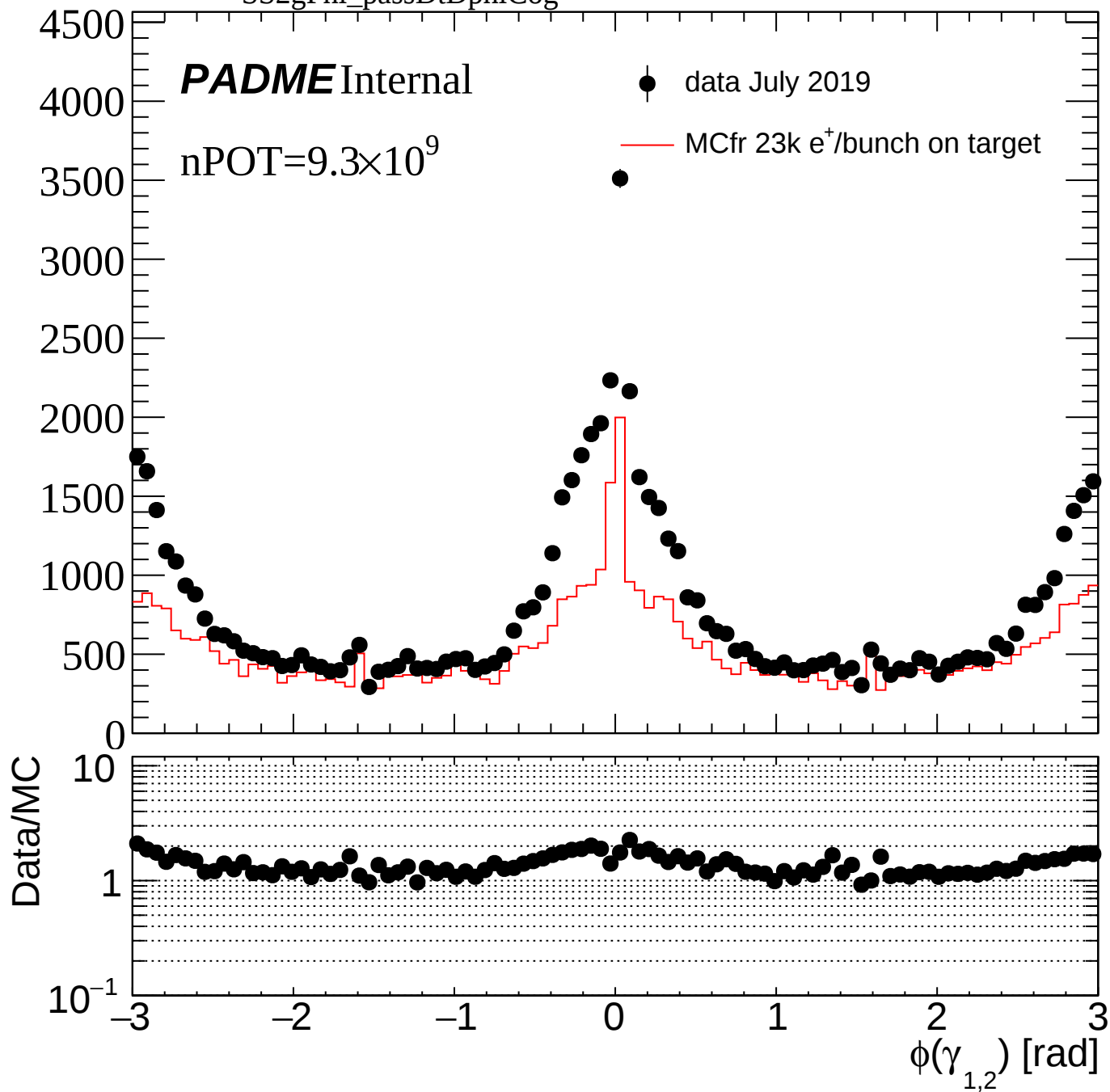


SS2gPhi_passDt

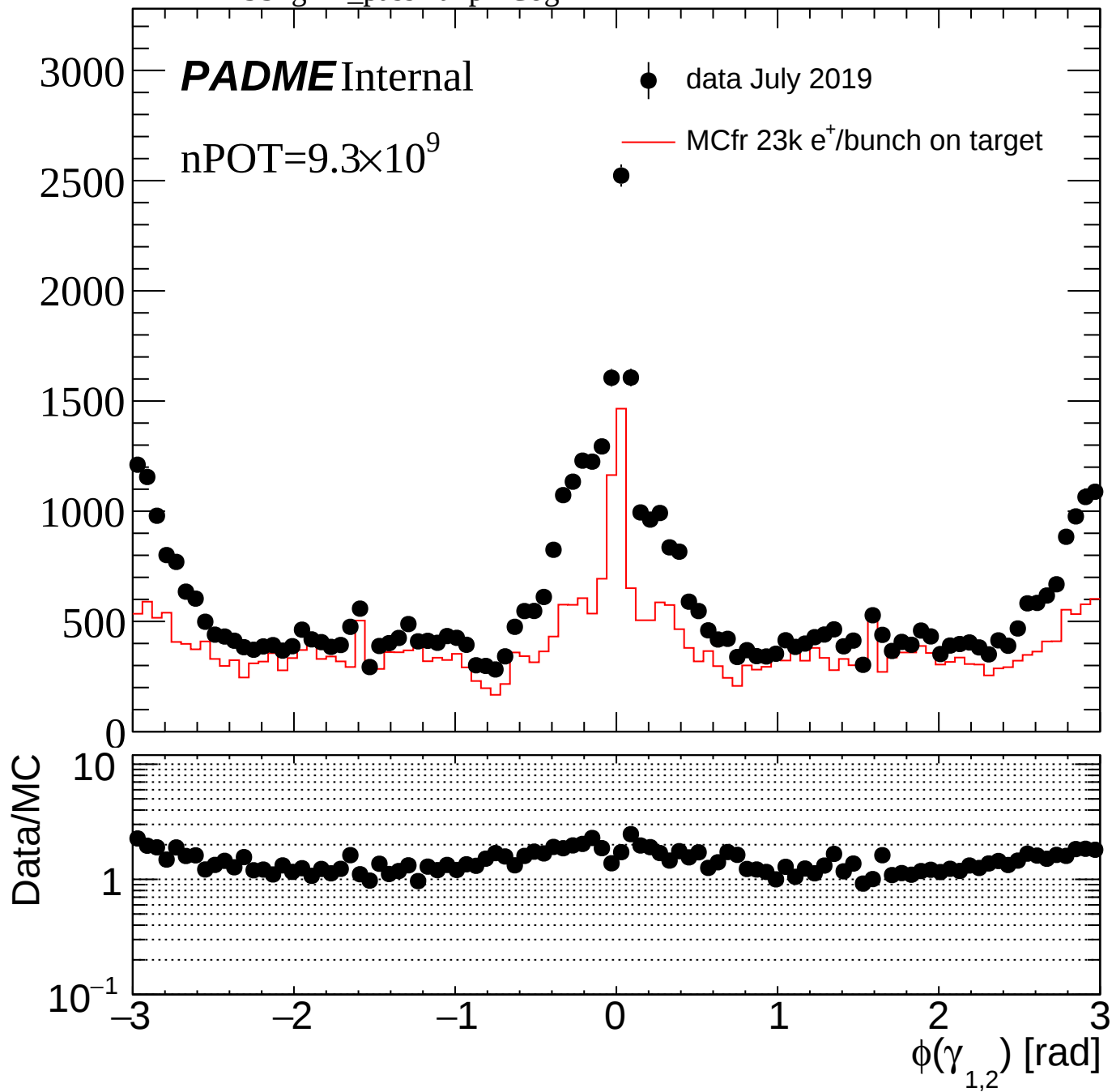




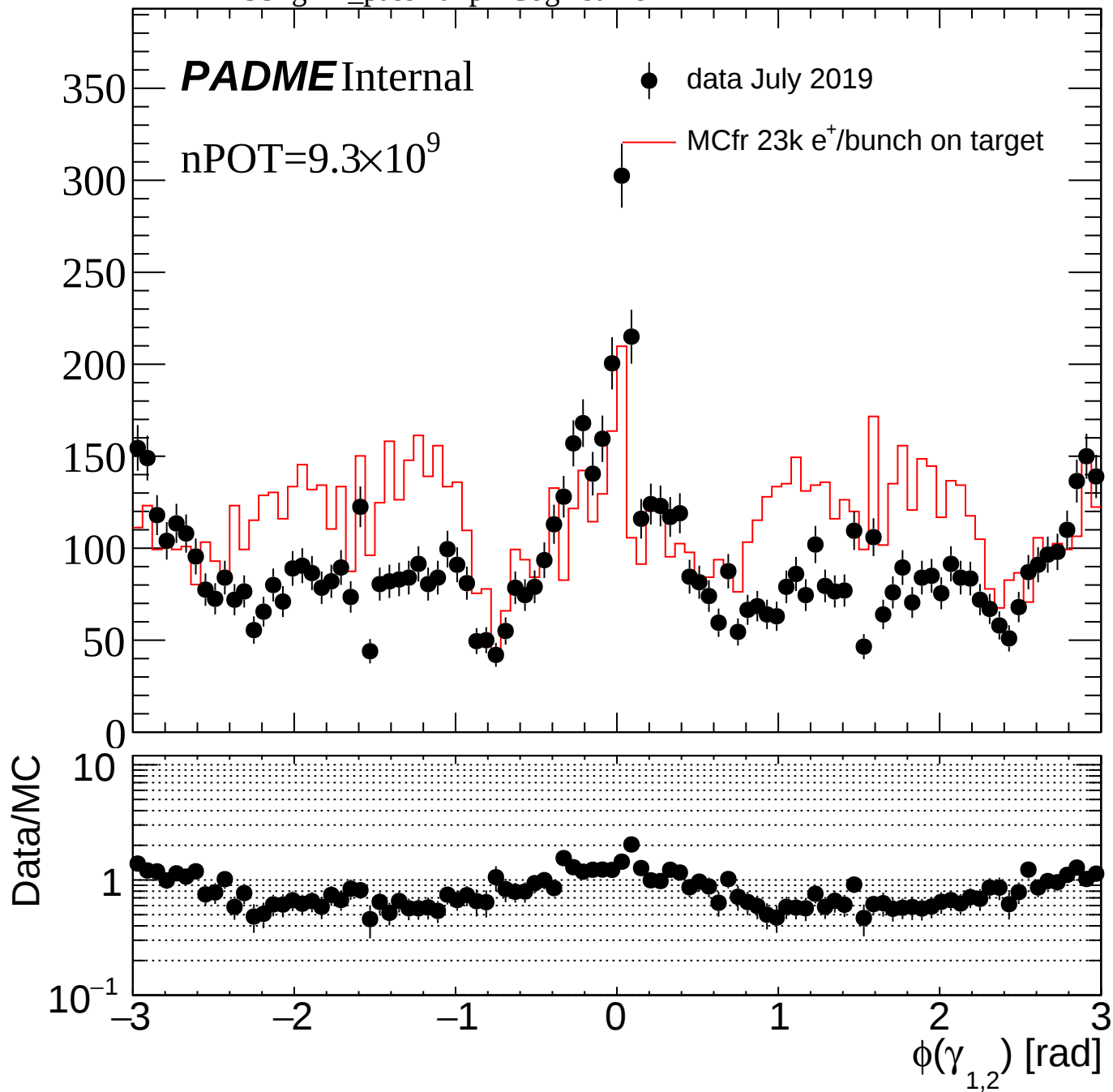
SS2gPhi_passDtDphiCog



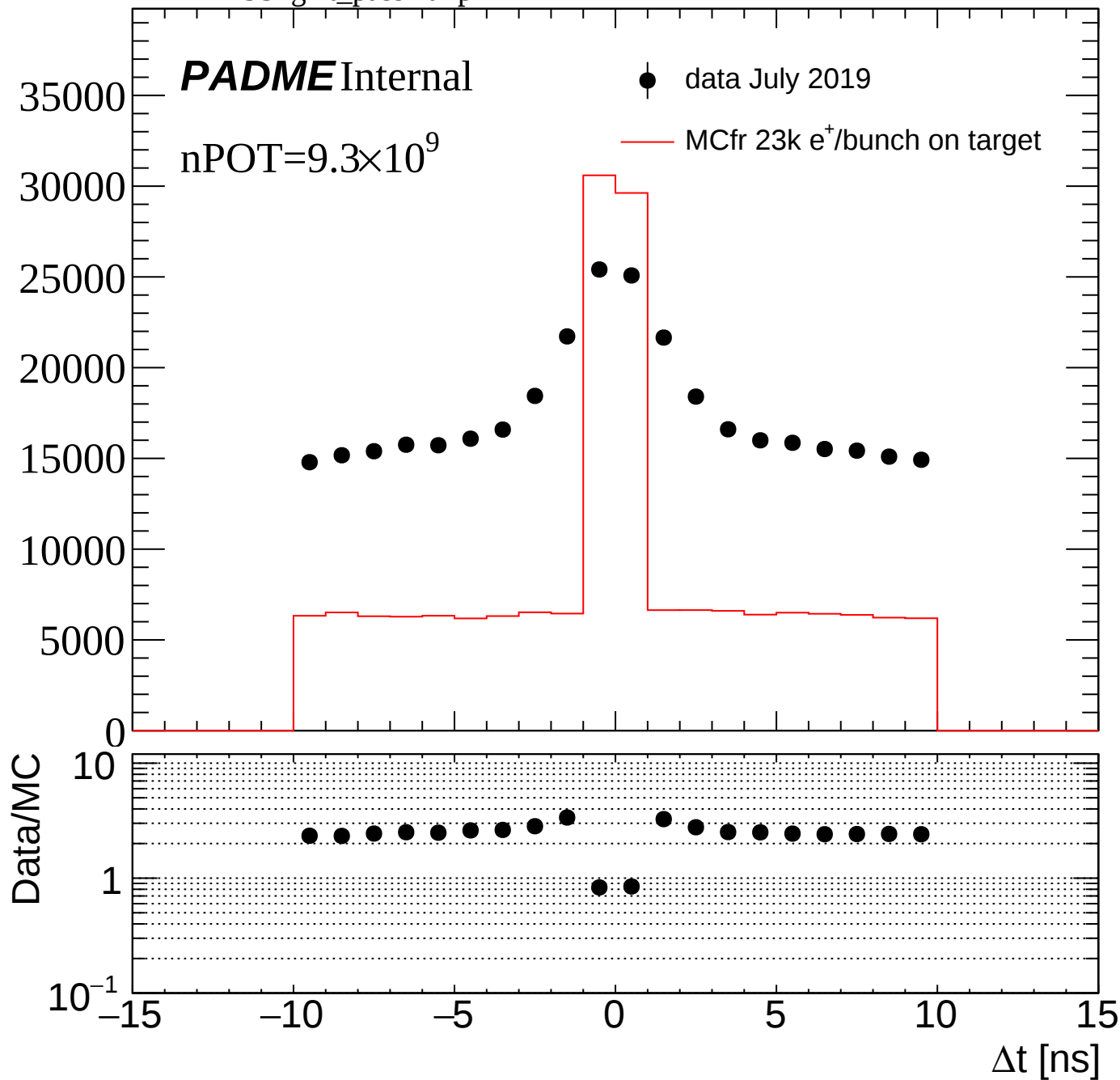
SS2gPhi_passDtDphiCogFR



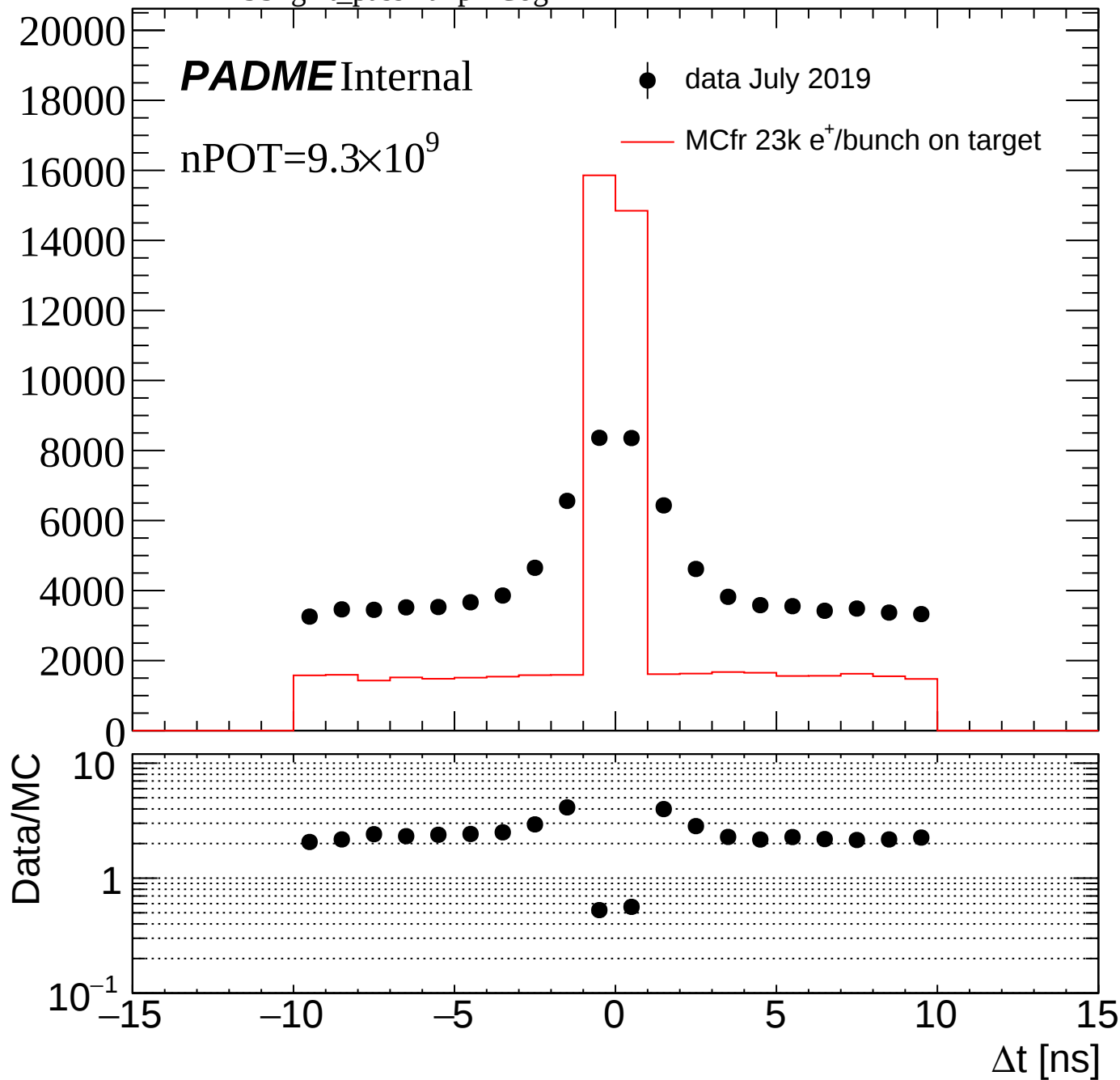
SS2gPhi_passDtDphiCogDsume



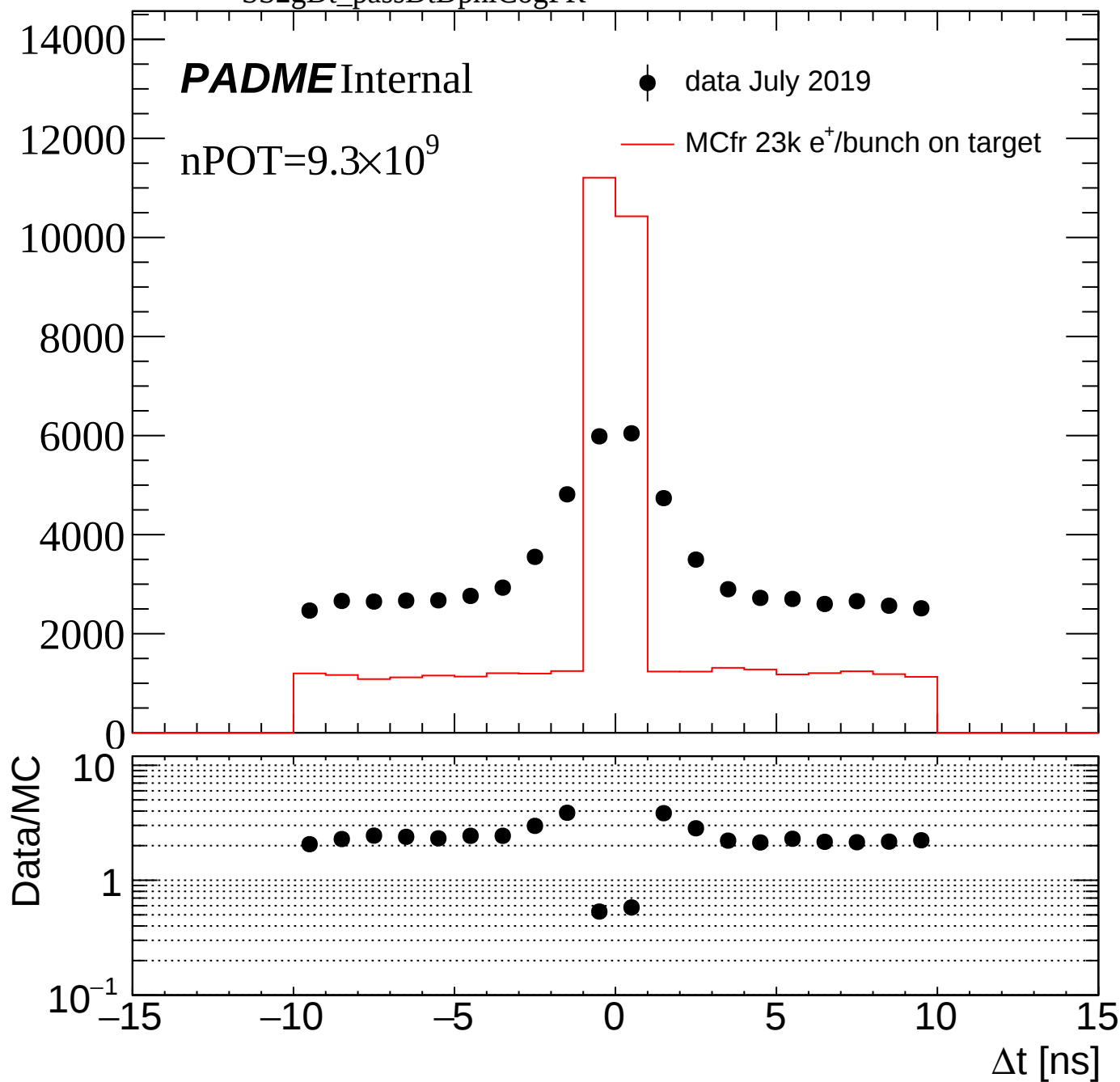
SS2gDt_passDtDphi



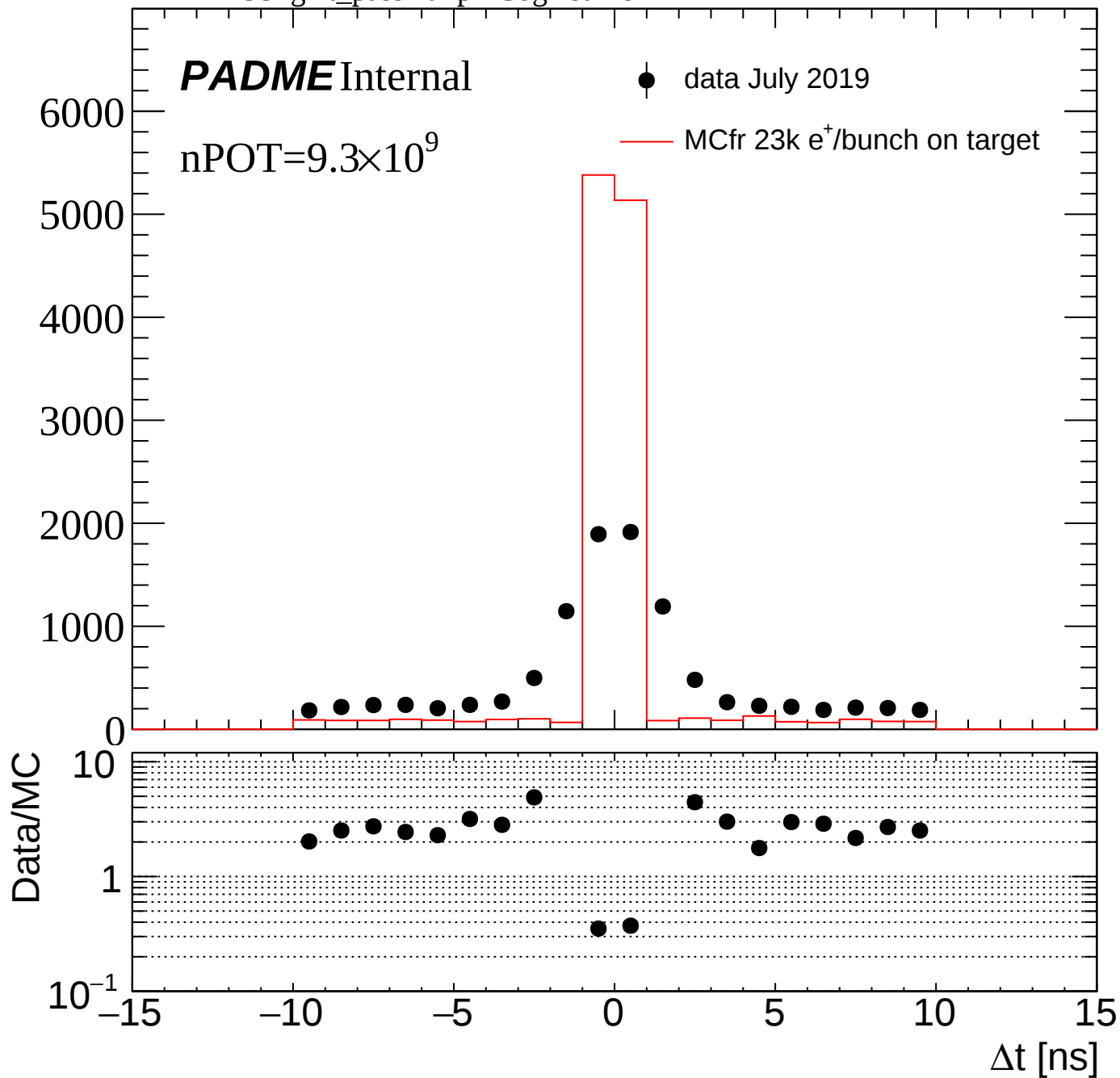
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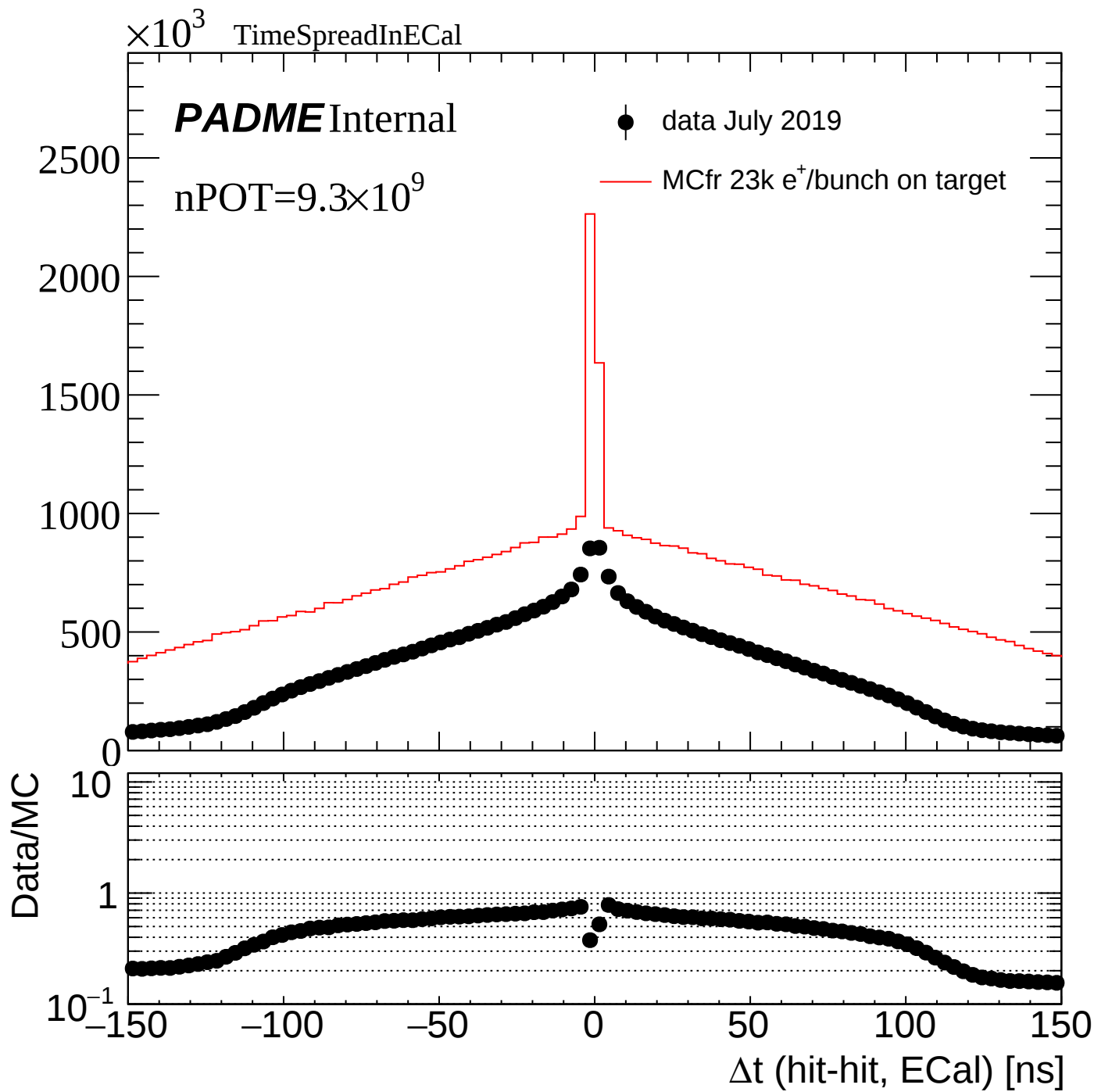


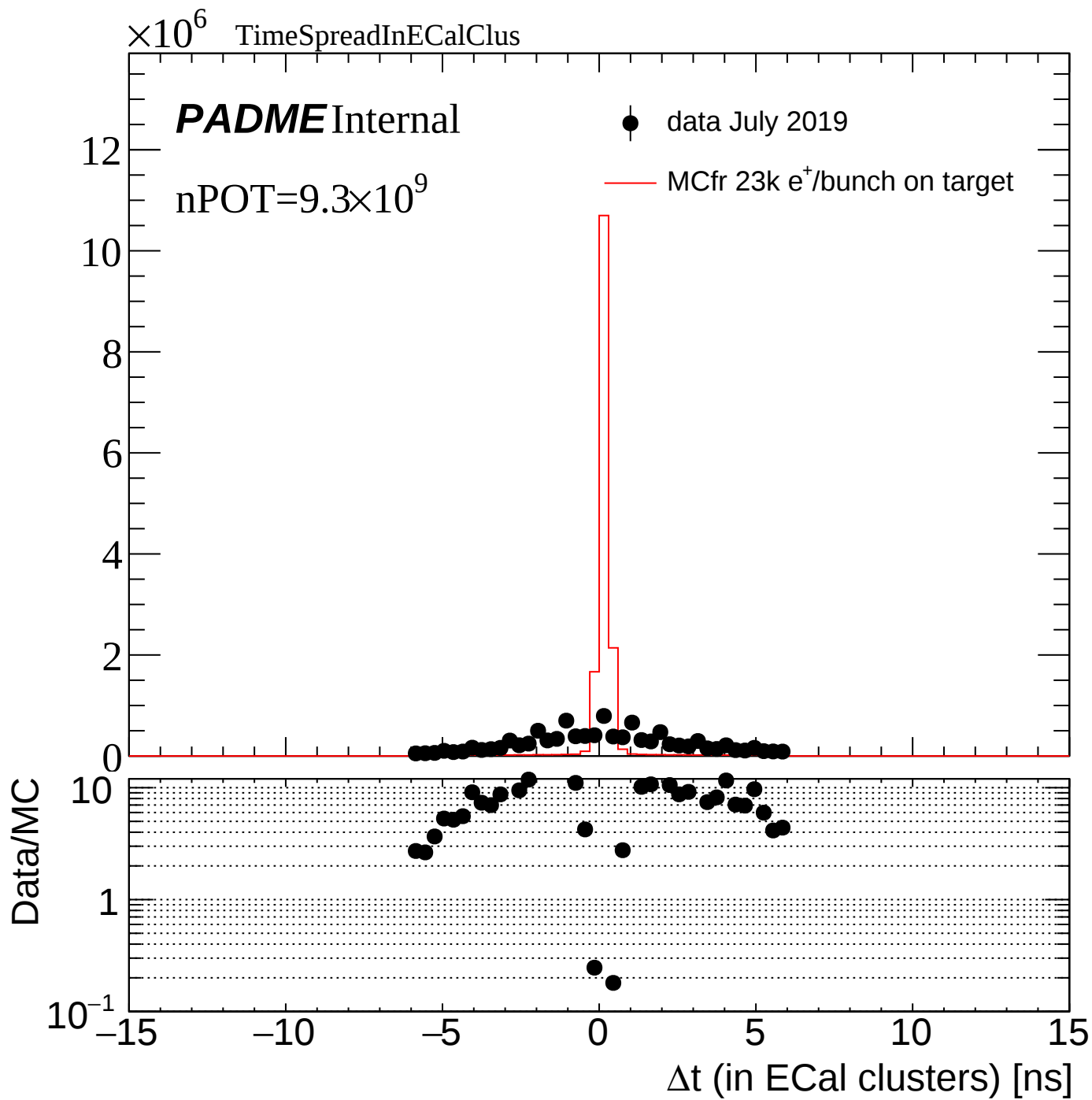
SS2gDt_passDtDphiCogFR

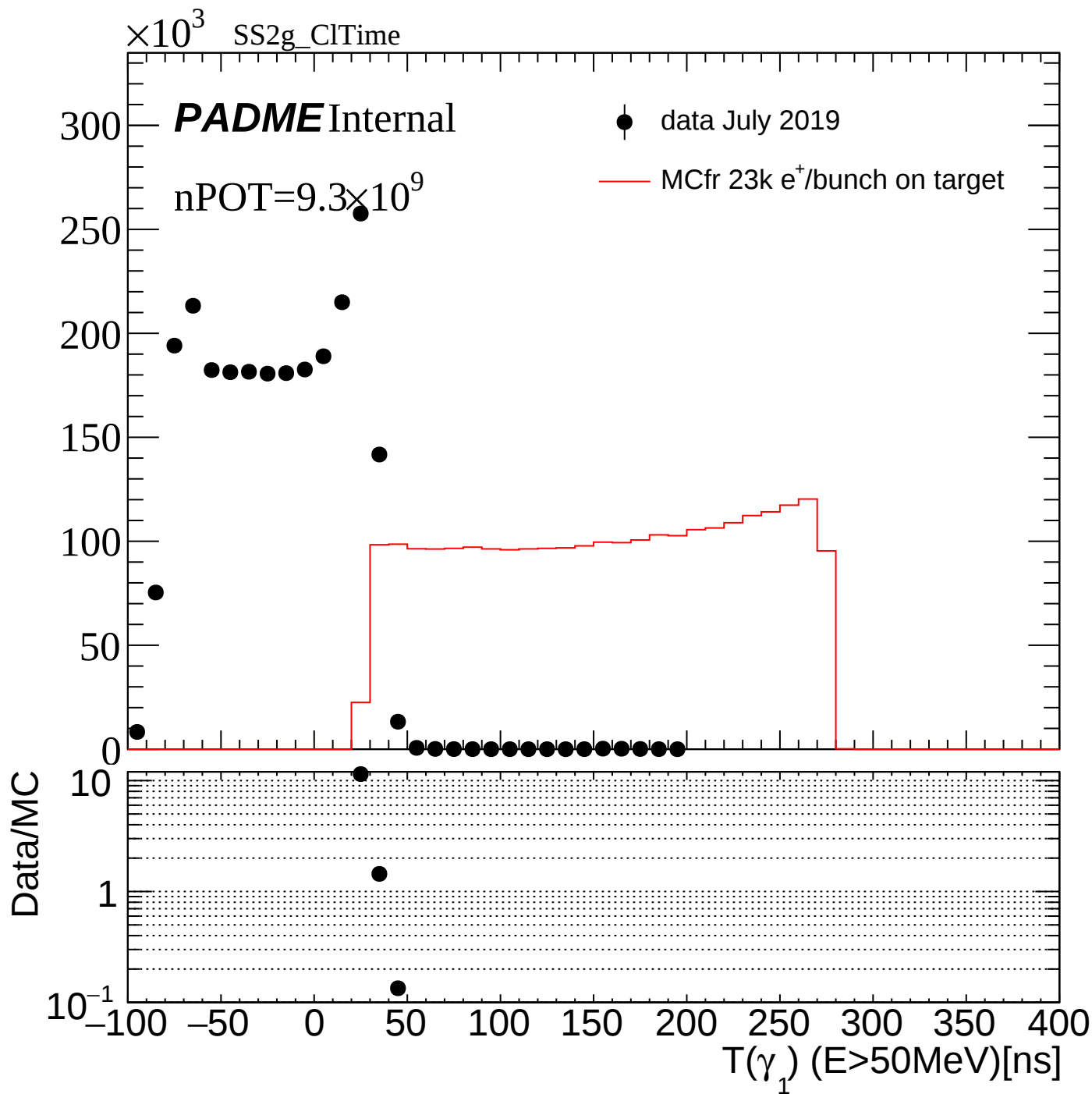


SS2gDt_passDtDphiCogDsume

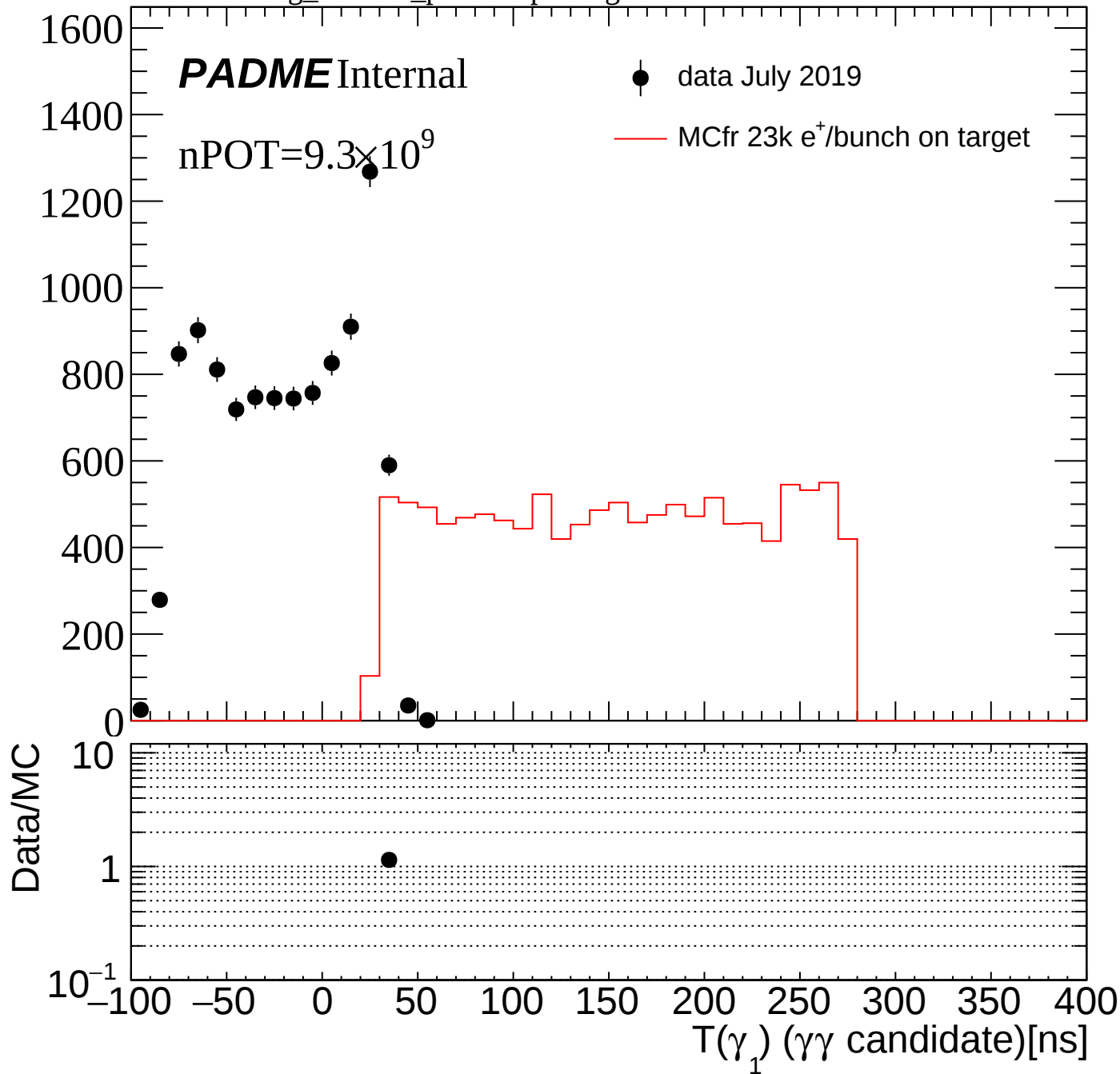


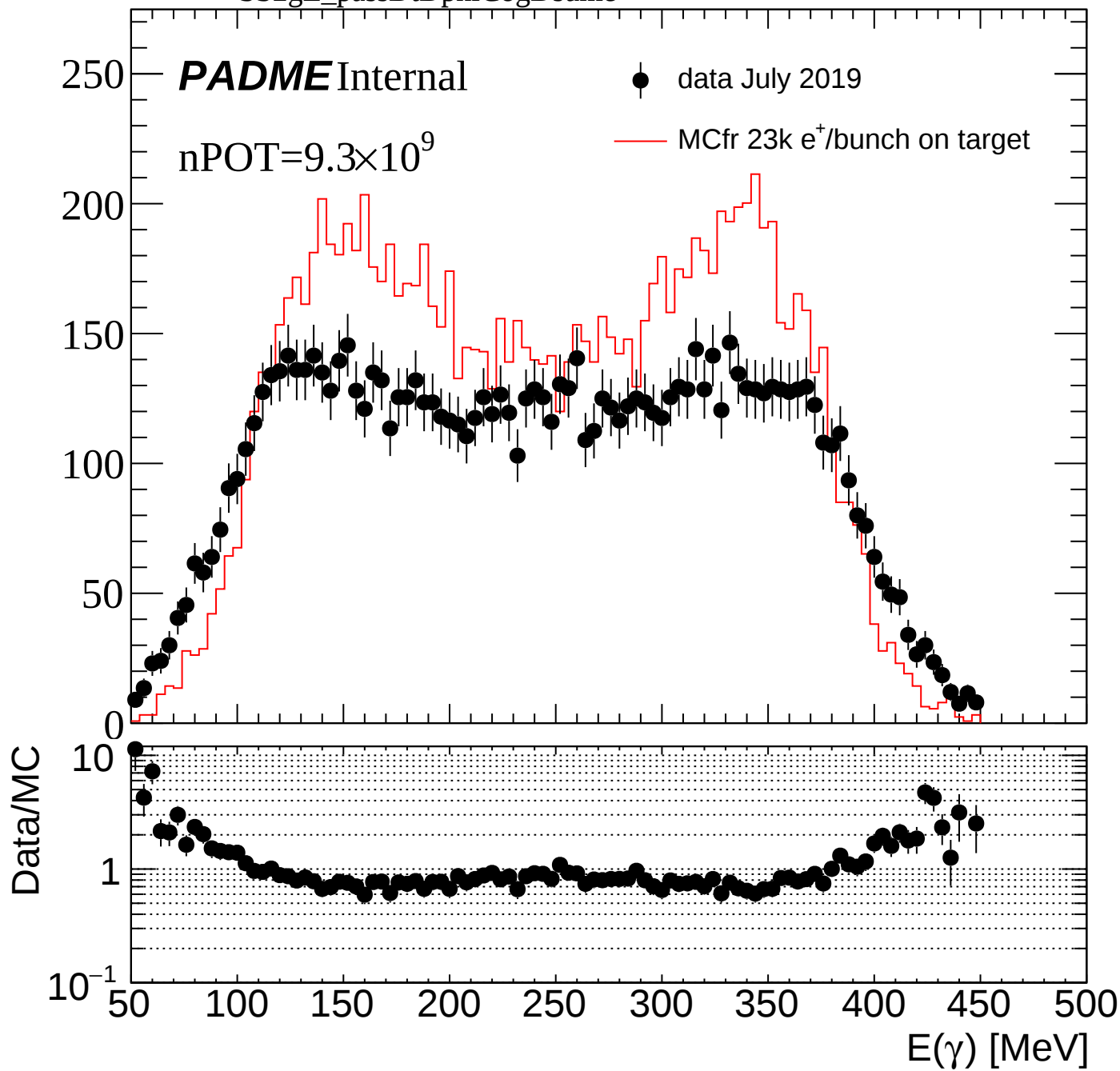






SS2g_ClTime_passDtDphiCogDsume





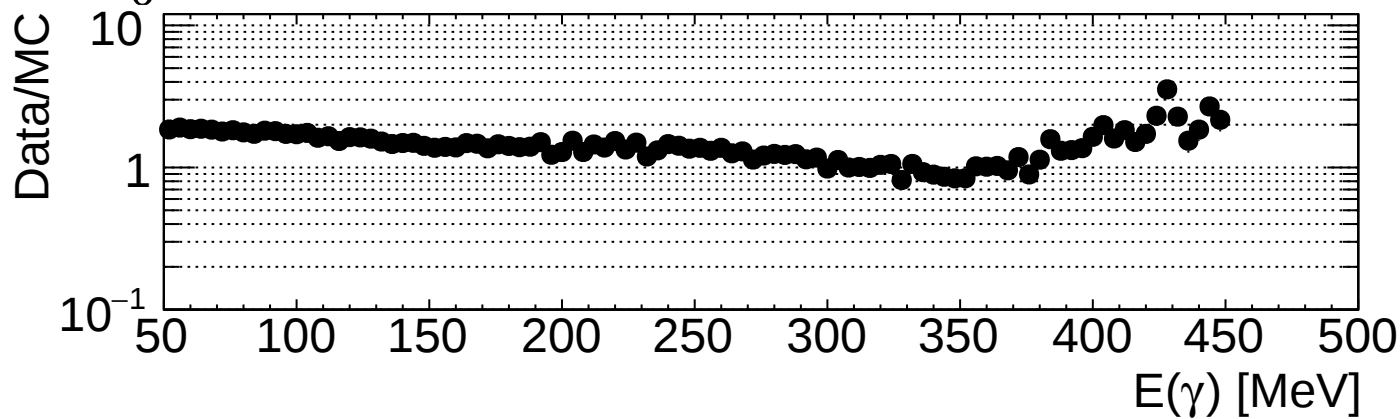
SS2gE_passDtDphiCogFR

PADME Internal

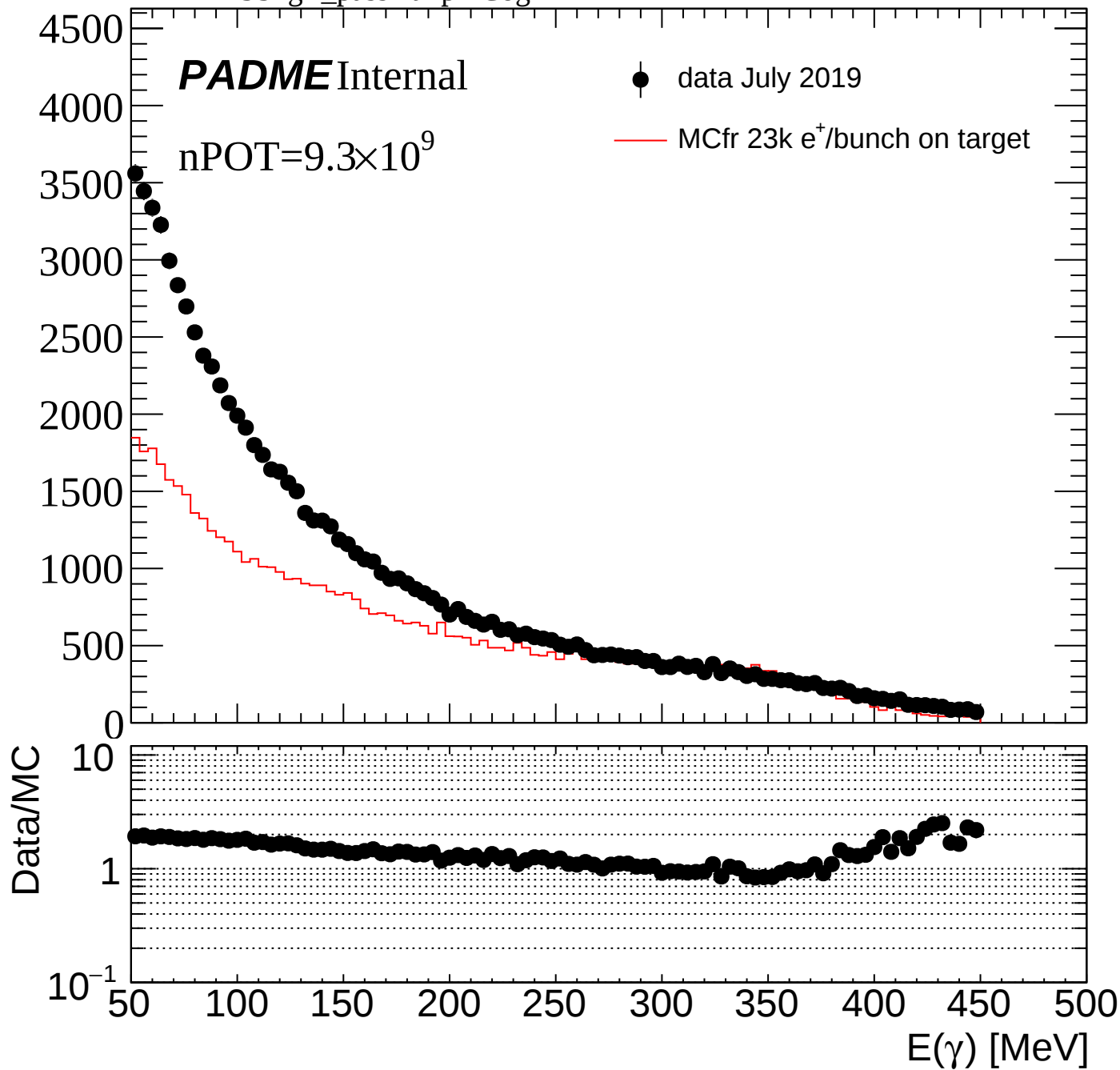
nPOT=9.3×10⁹

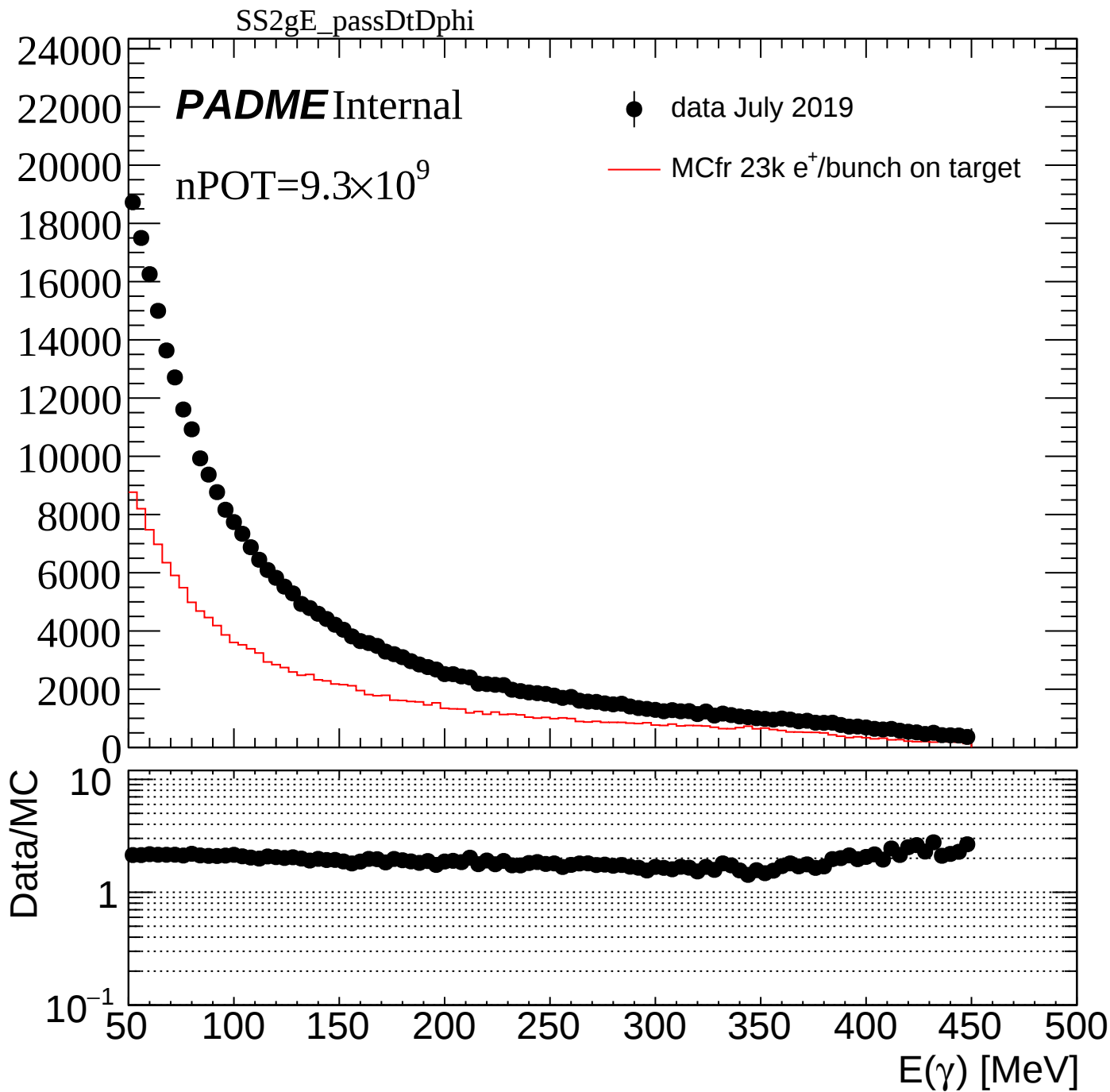
● data July 2019

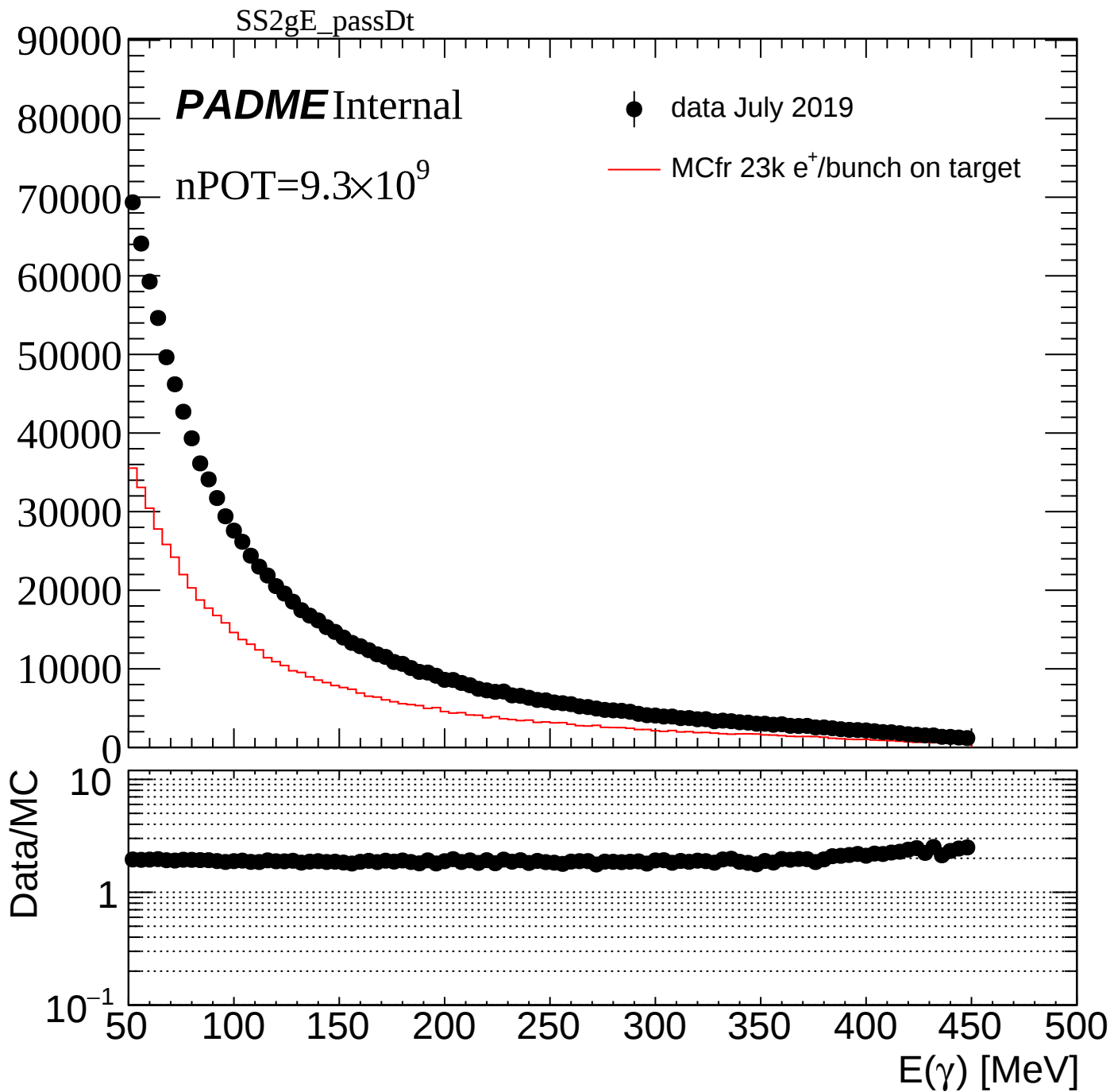
— MCfr 23k e⁺/bunch on target

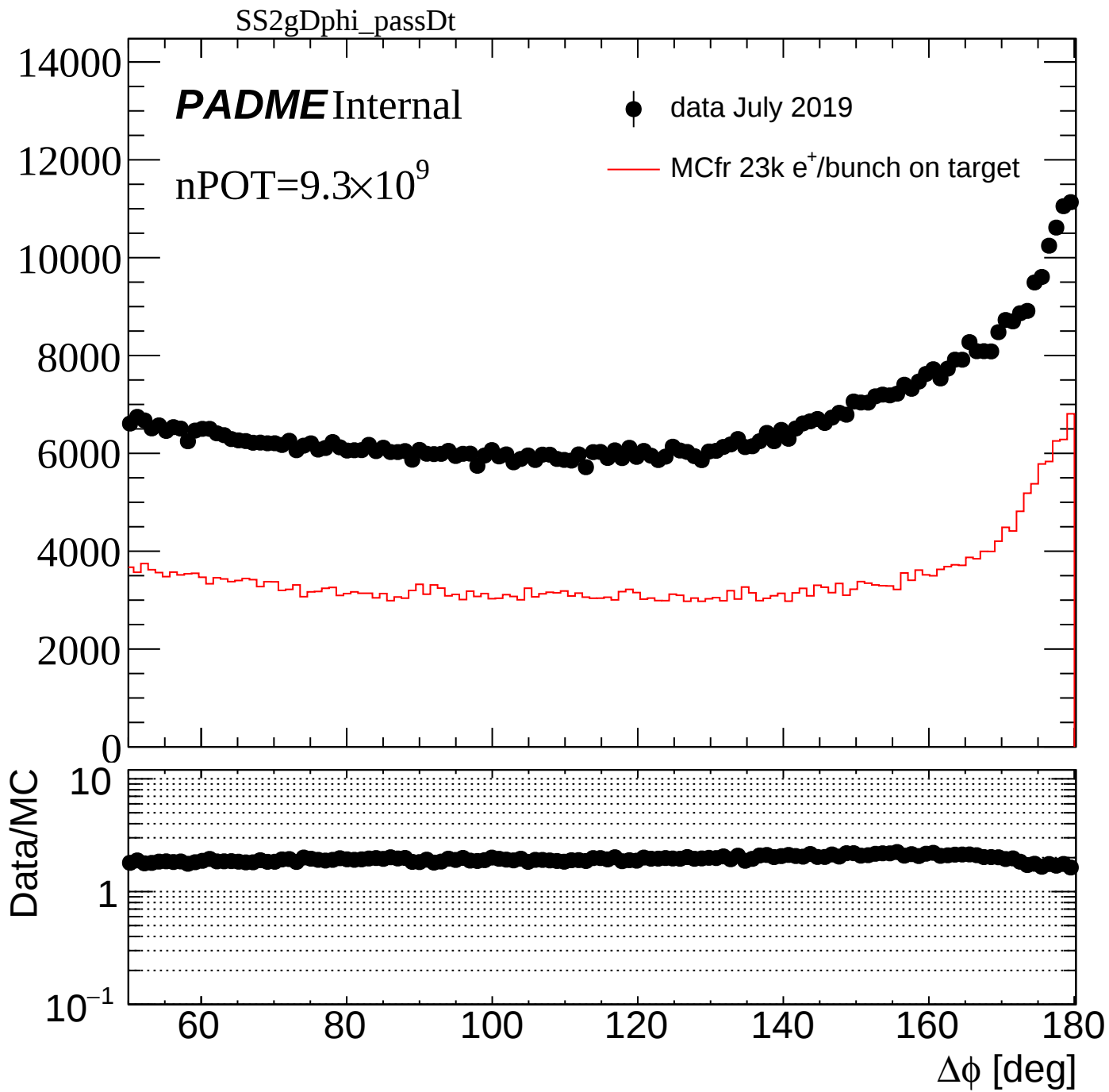


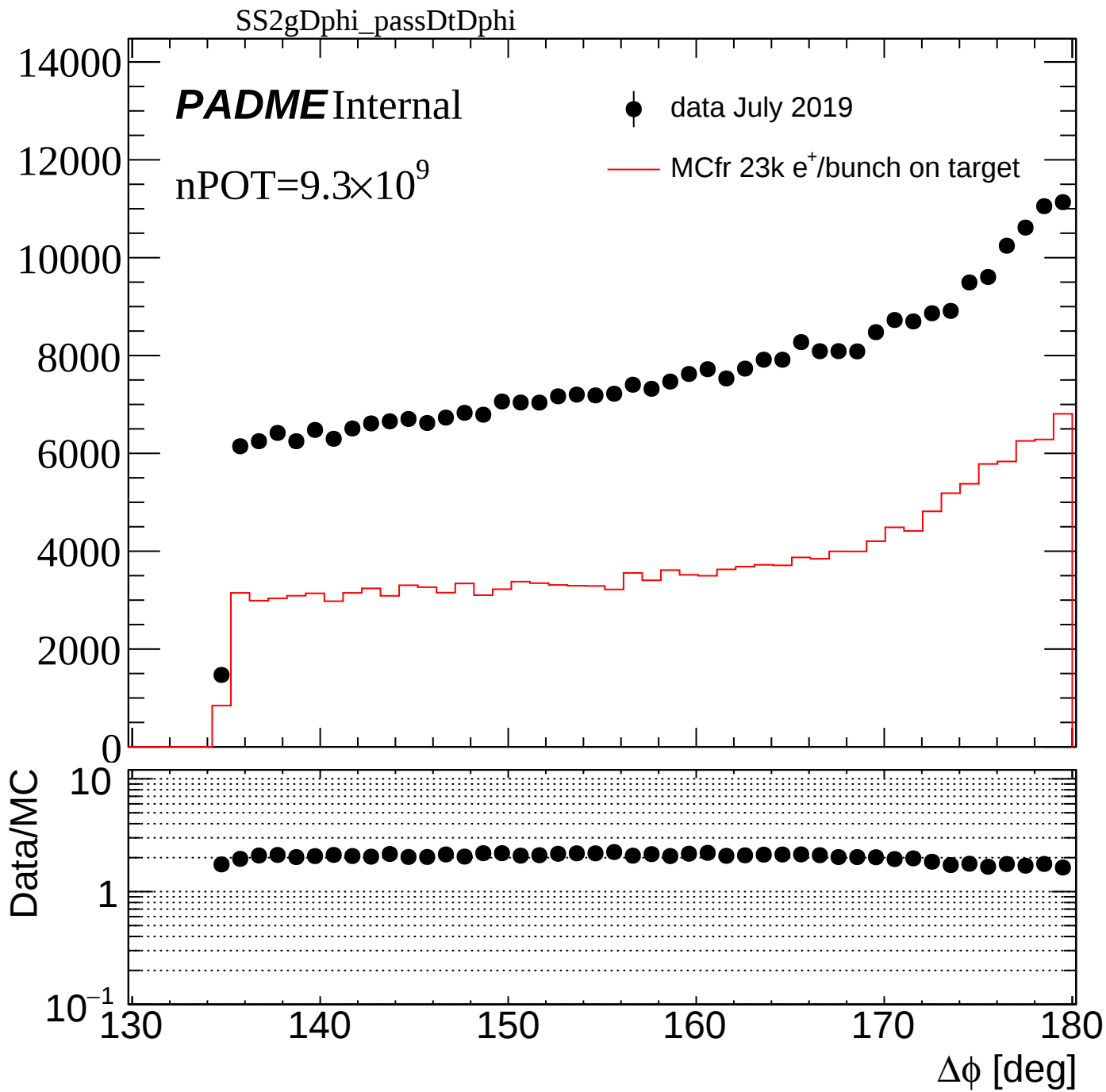
SS2gE_passDtDphiCog



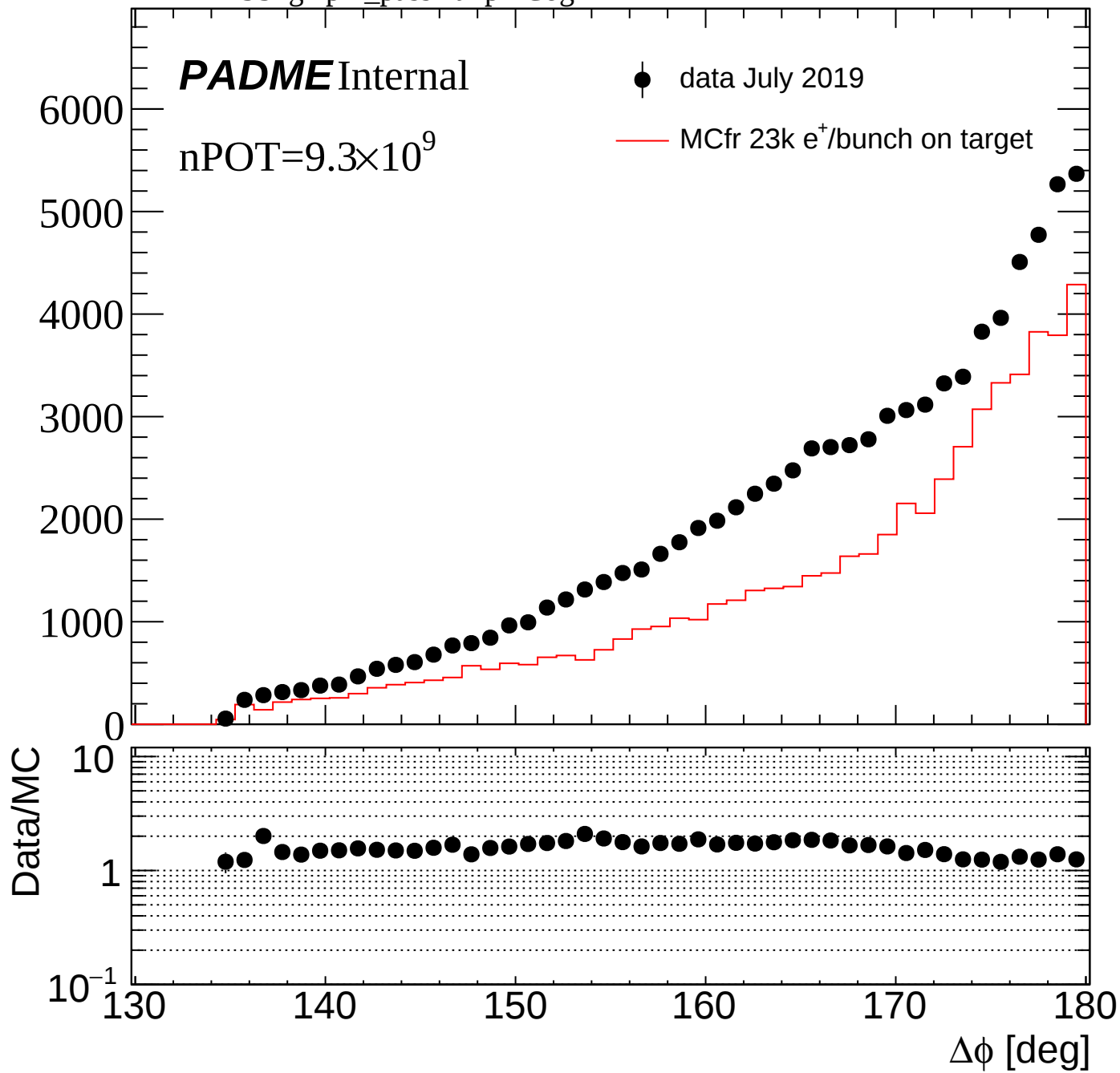




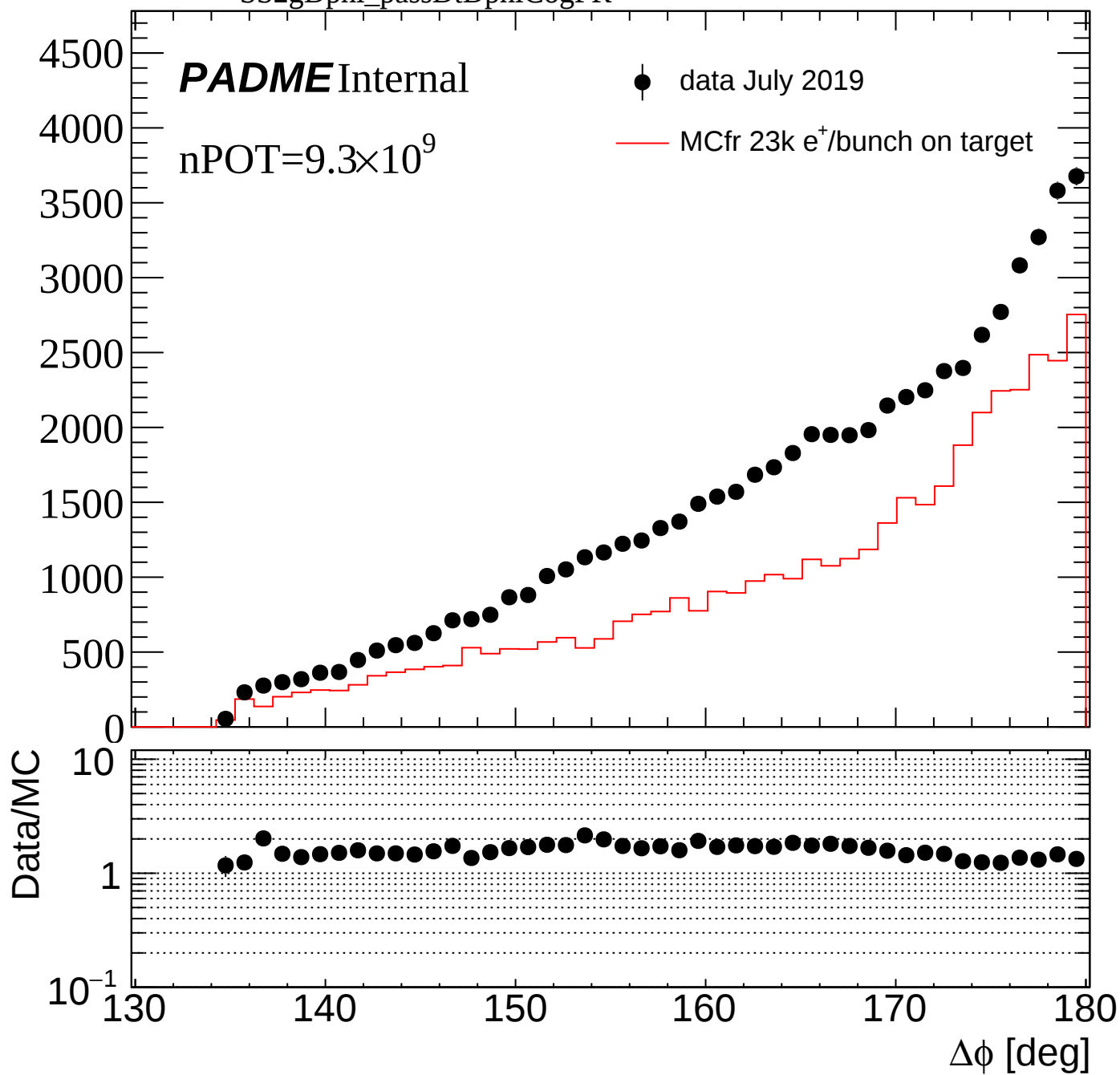




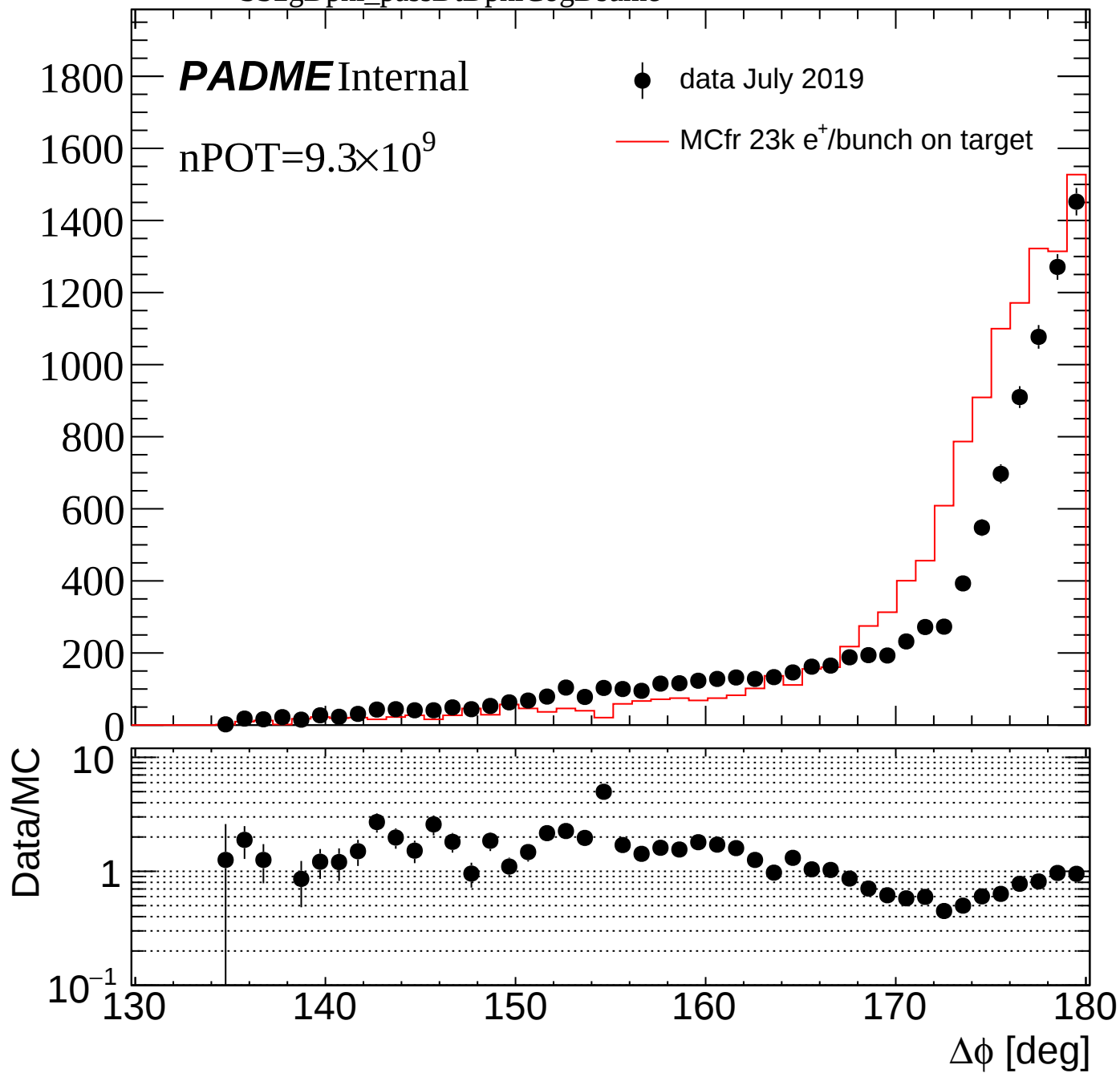
SS2gDphi_passDtDphiCog



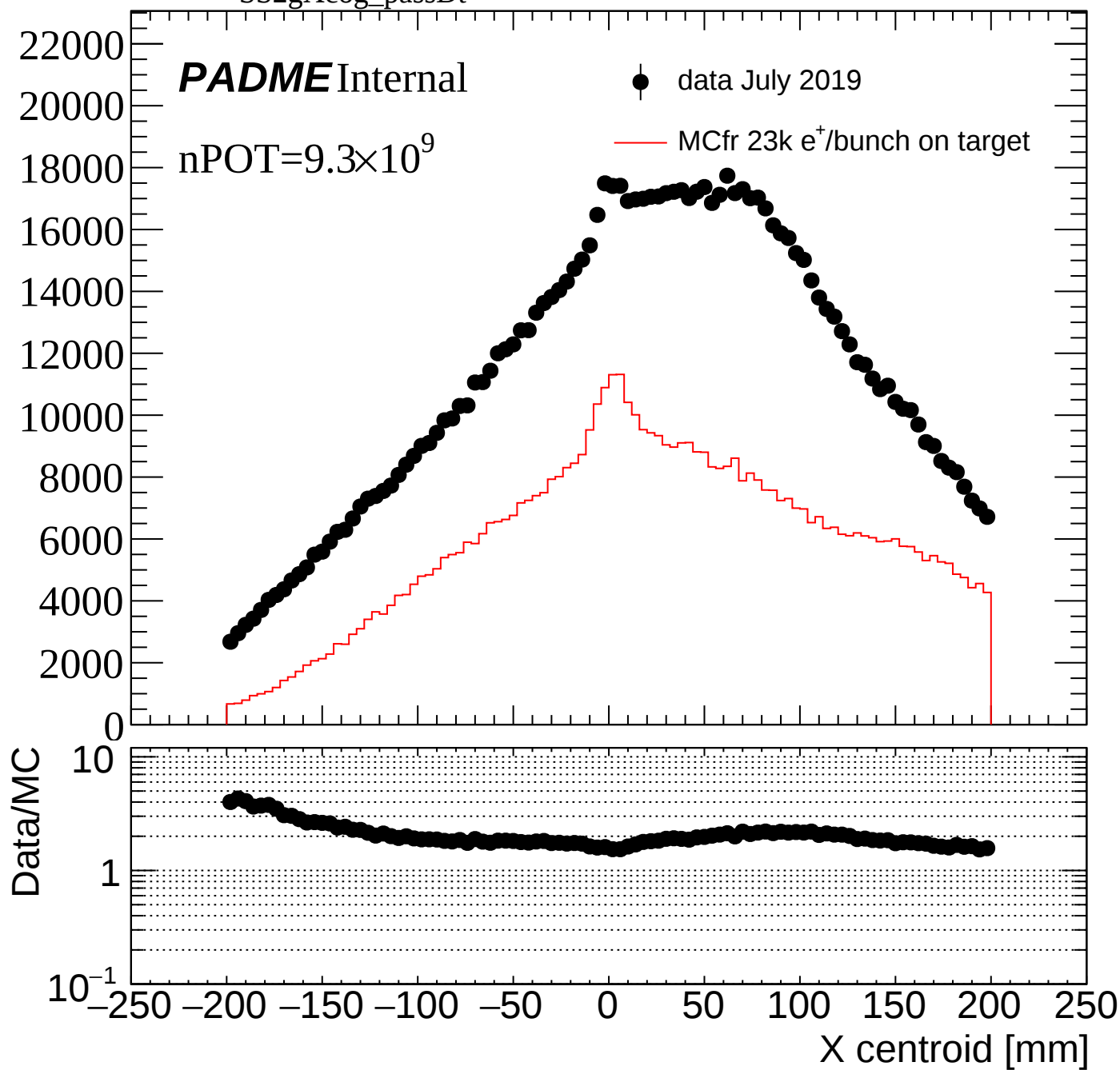
SS2gDphi_passDtDphiCogFR



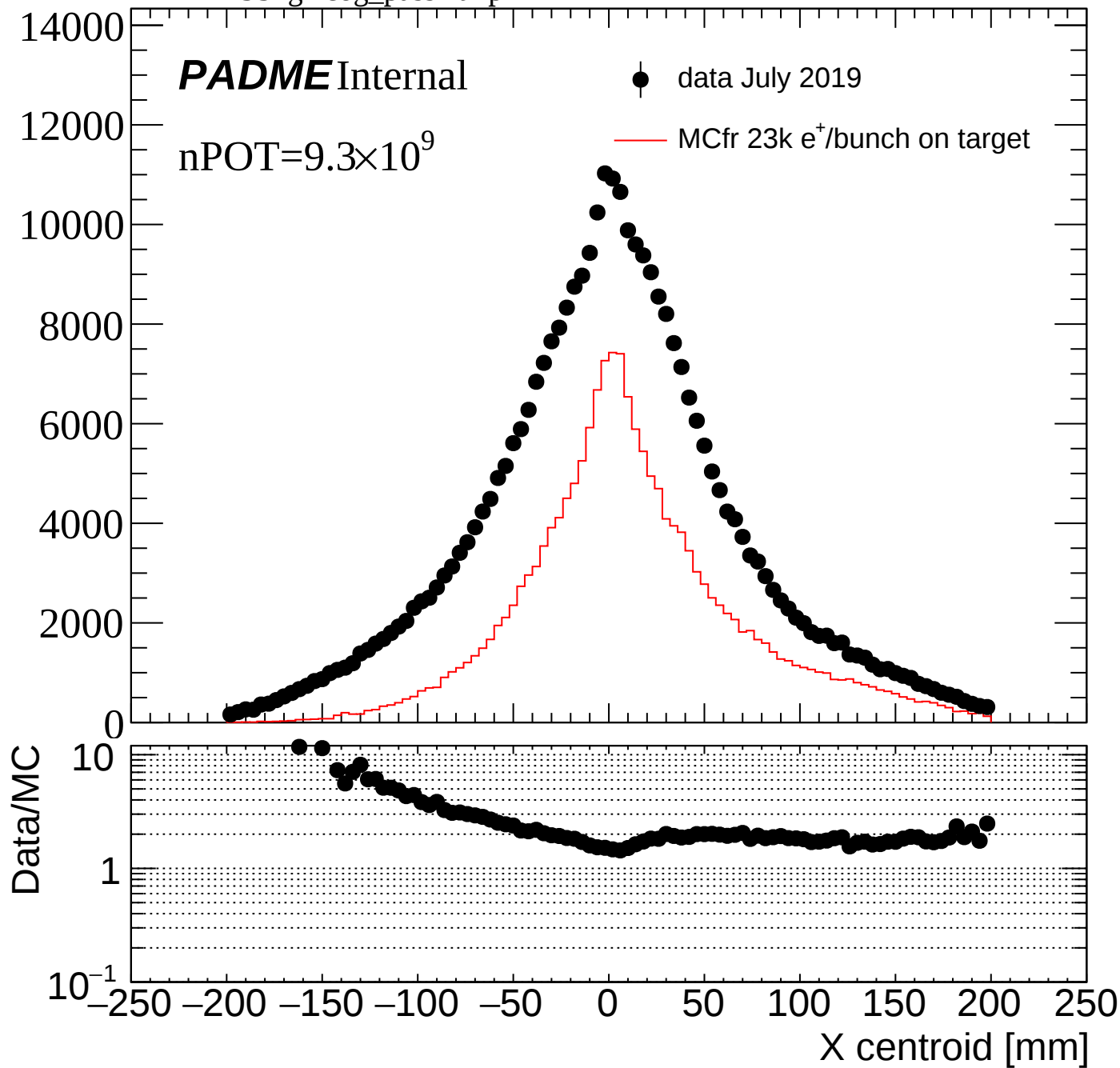
SS2gDphi_passDtDphiCogDsume



SS2gXcog_passDt



SS2gXcog_passDtDphi



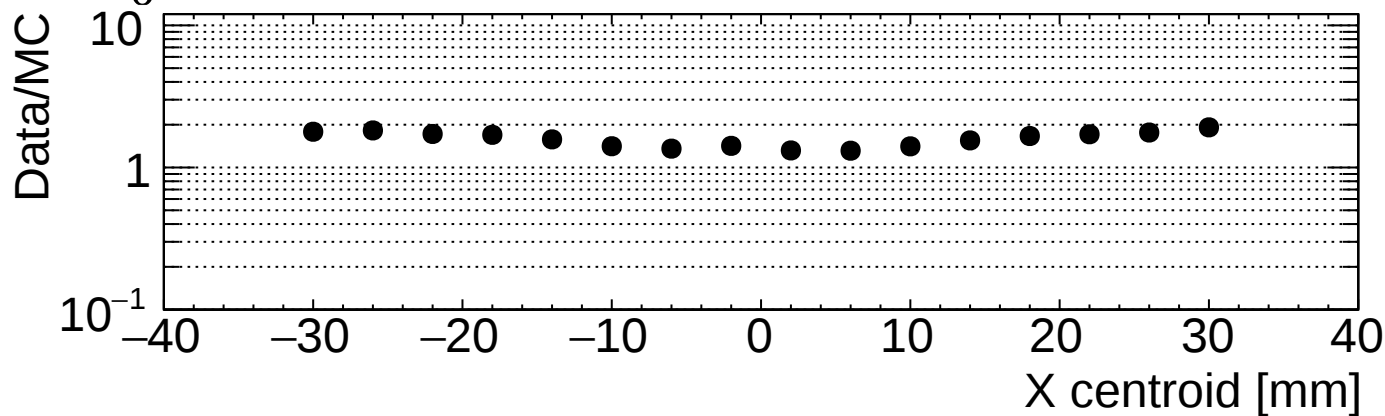
SS2gXcog_passDtDphiCogFR

PADME Internal

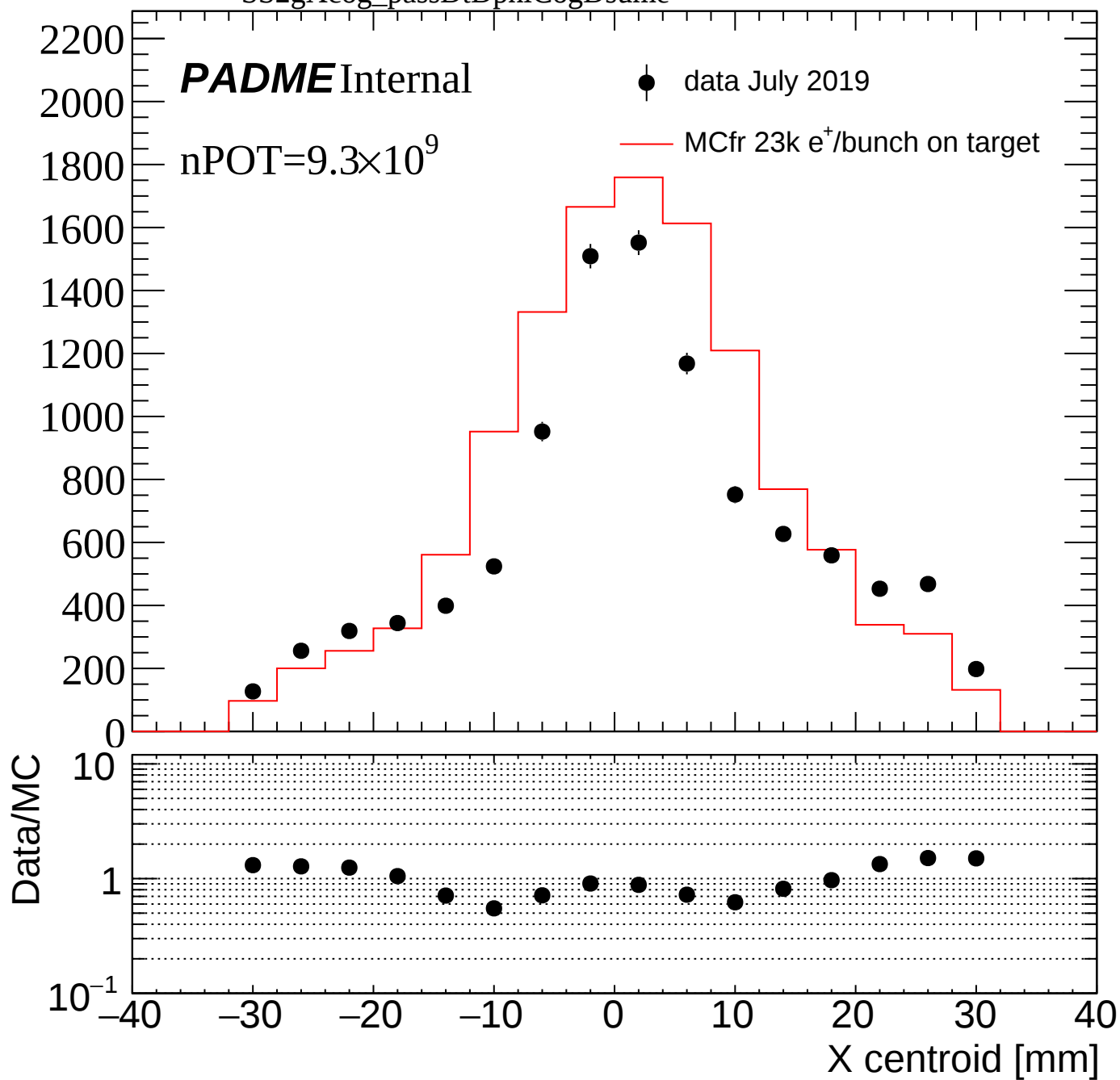
$nPOT=9.3\times 10^9$

• data July 2019

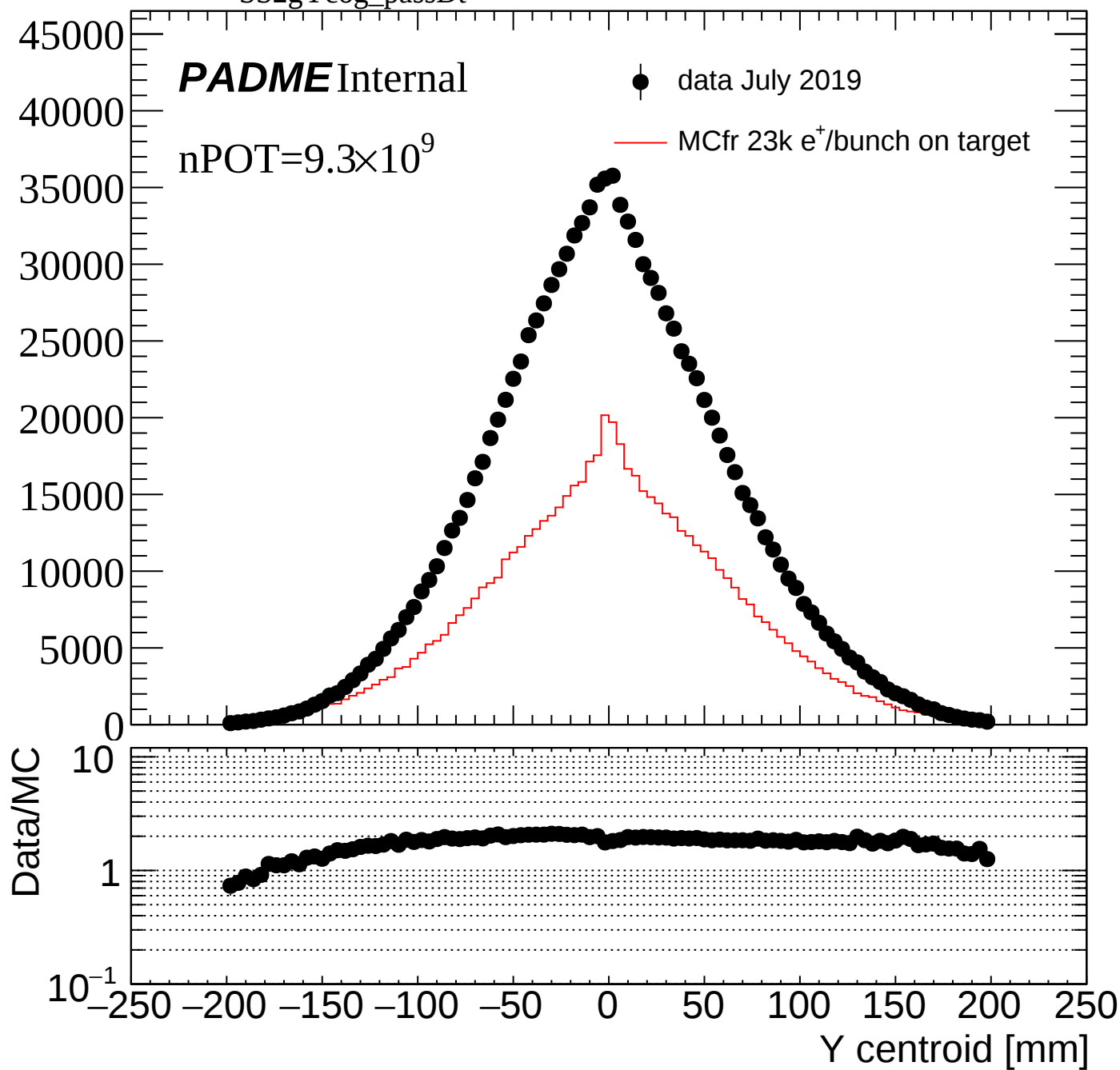
— MCfr 23k e⁺/bunch on target



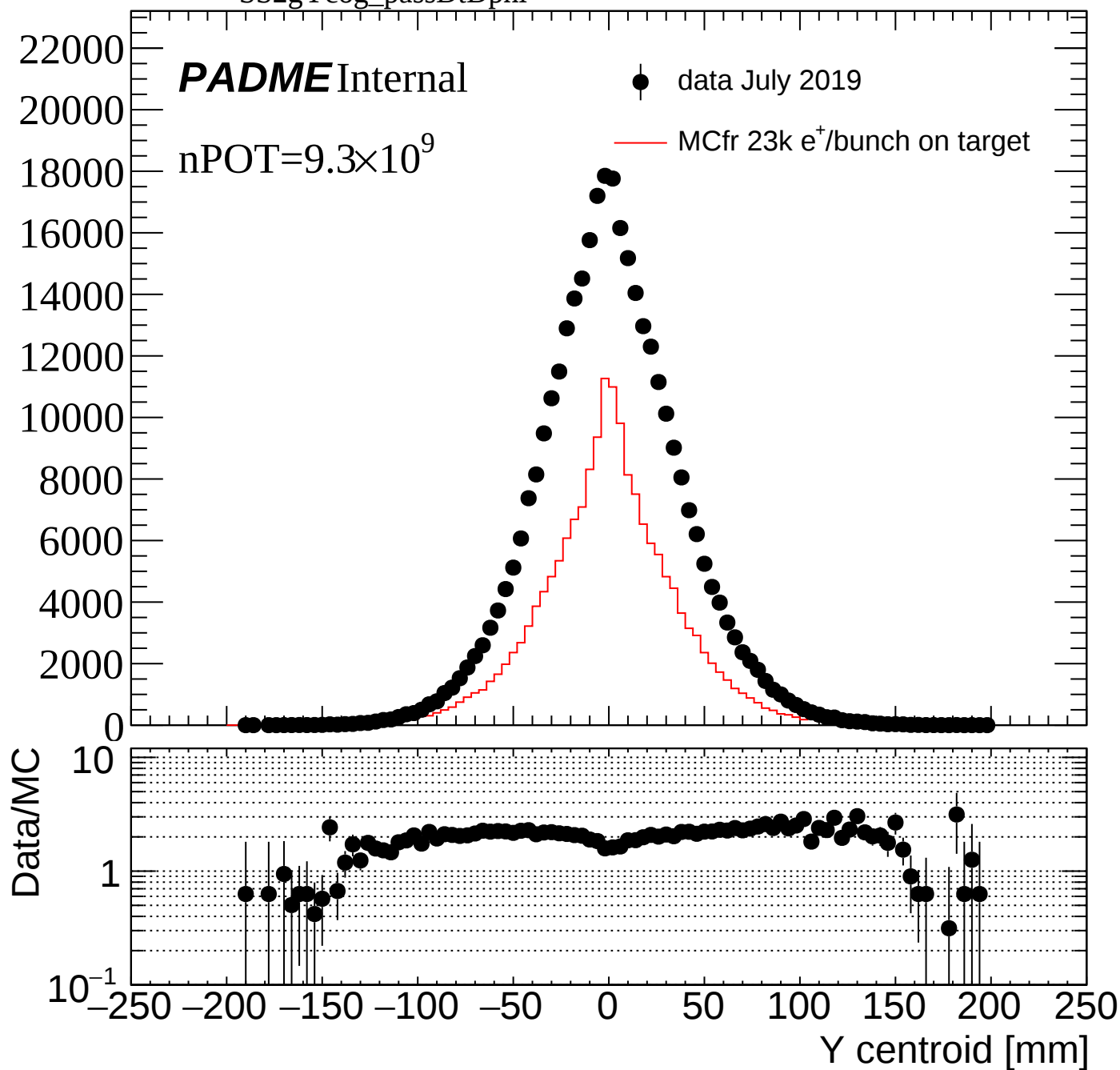
SS2gXcog_passDtDphiCogDsume



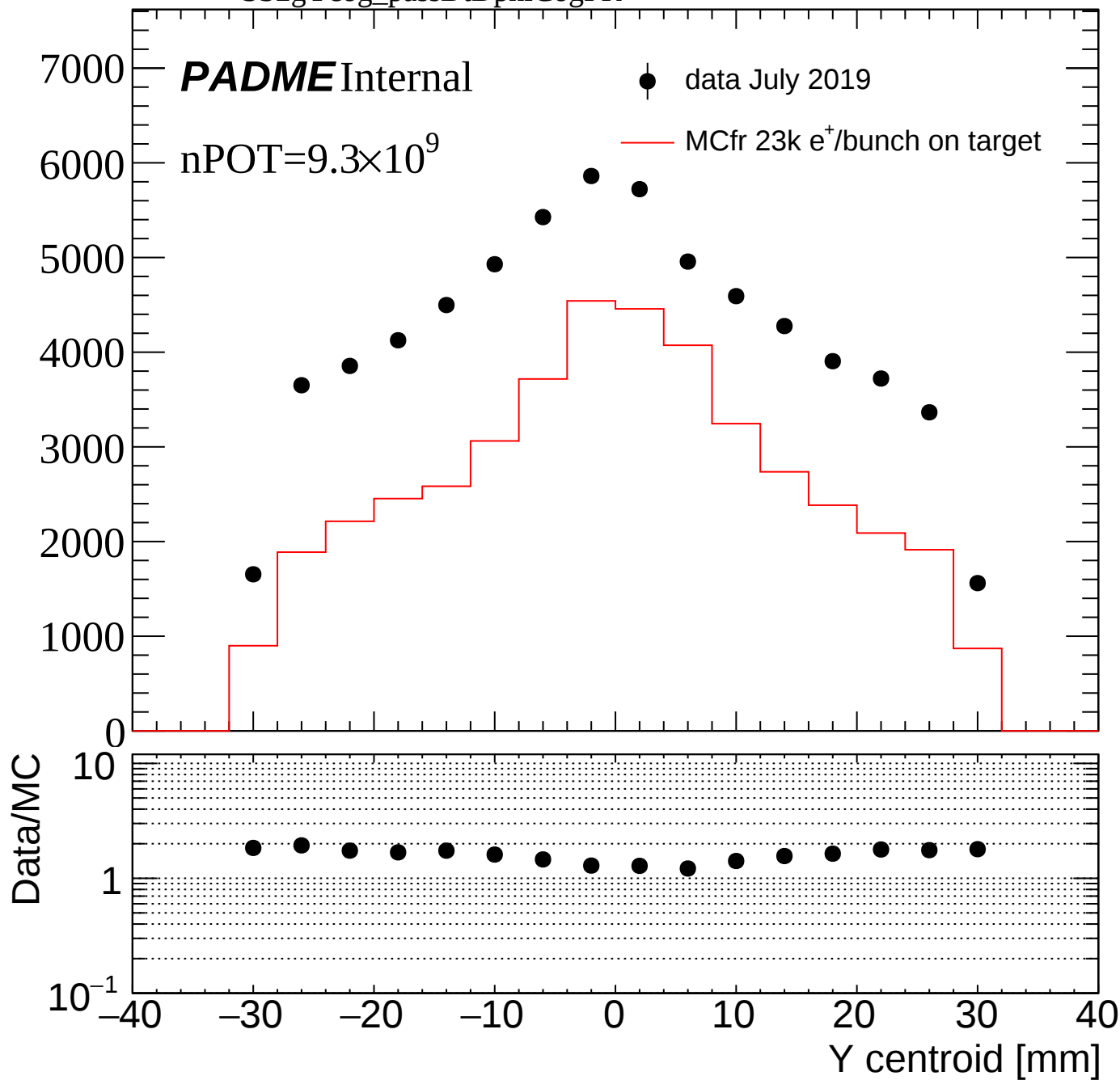
SS2gYcog_passDt

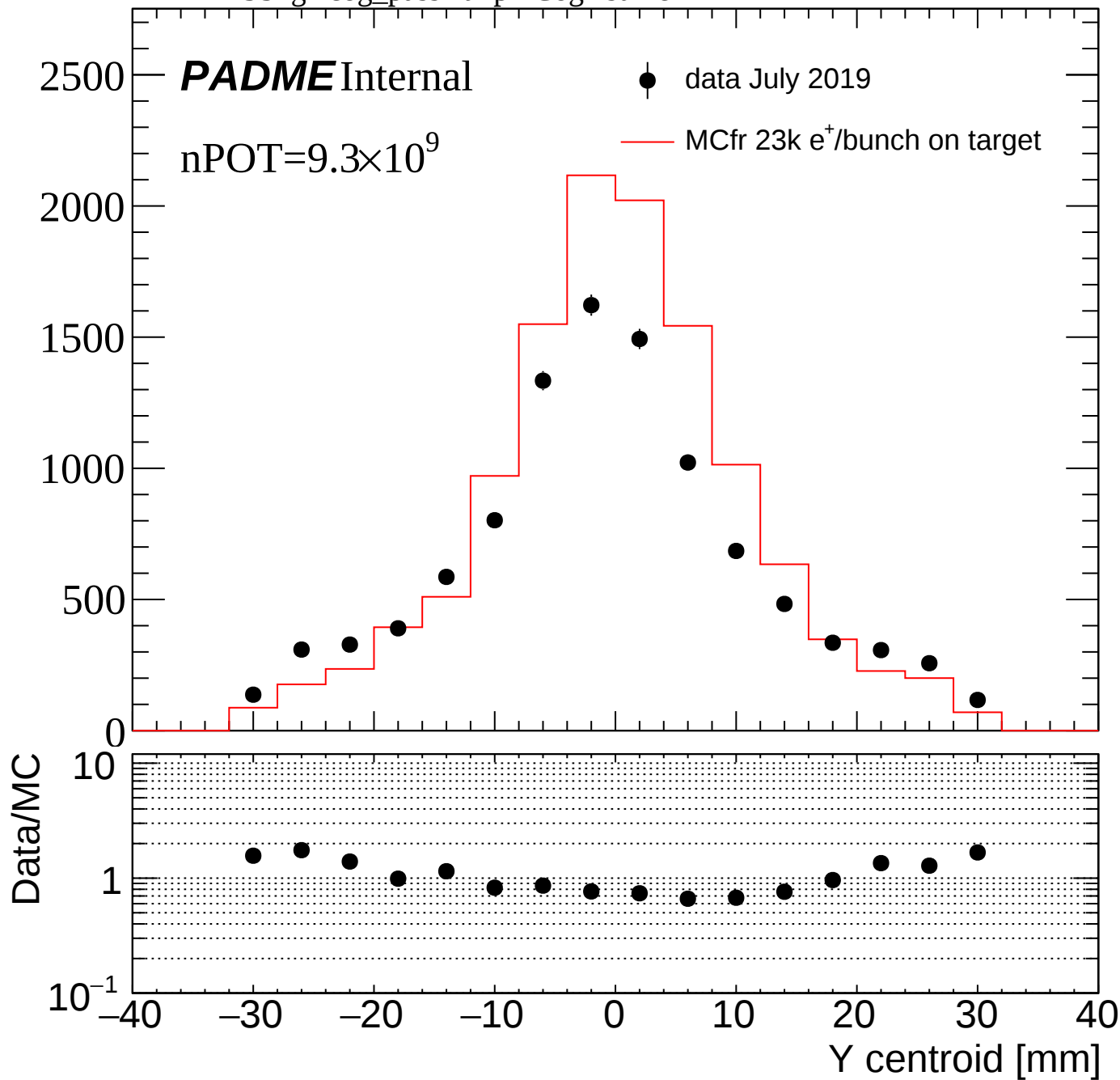


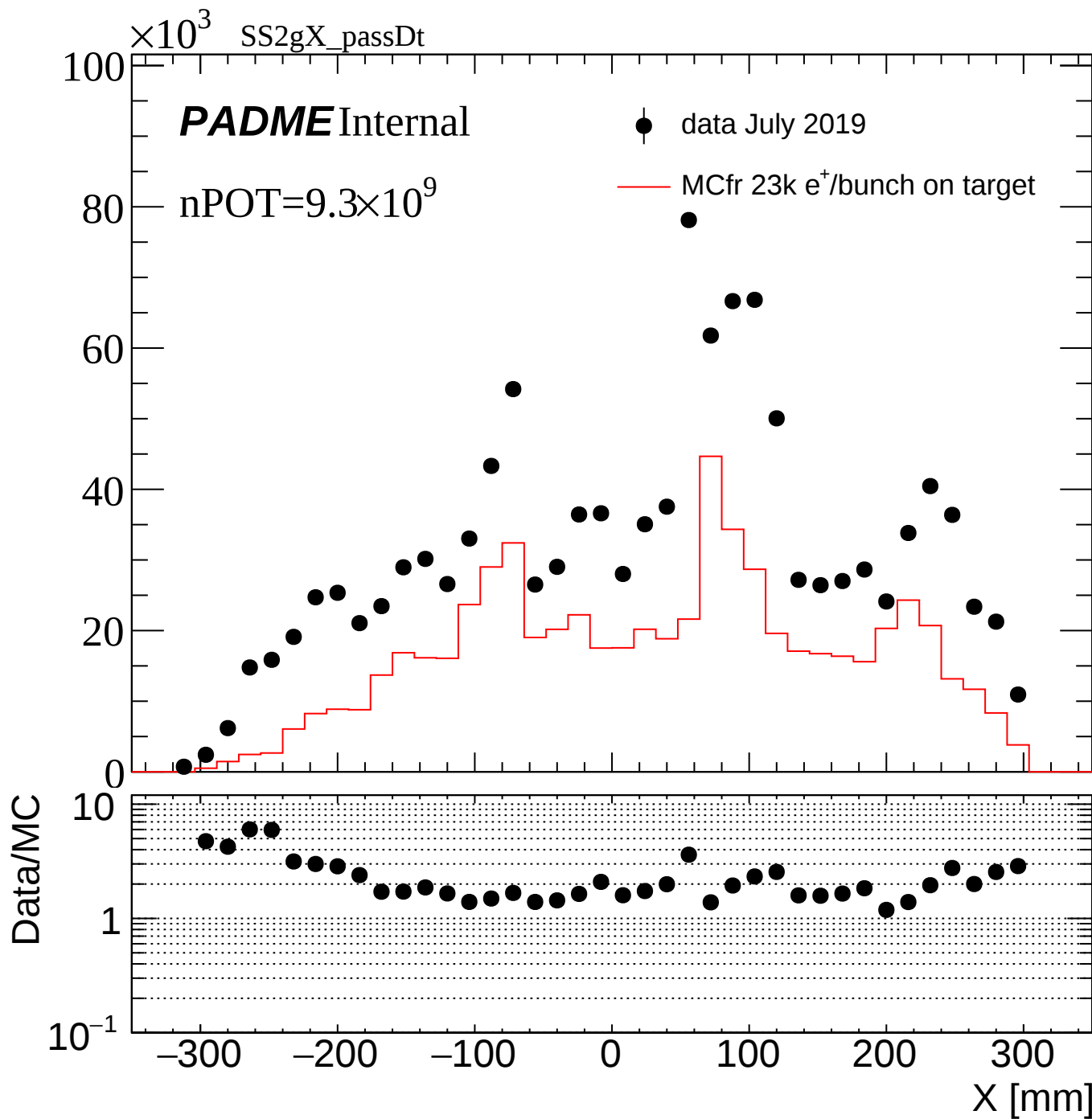
SS2gYcog_passDtDphi



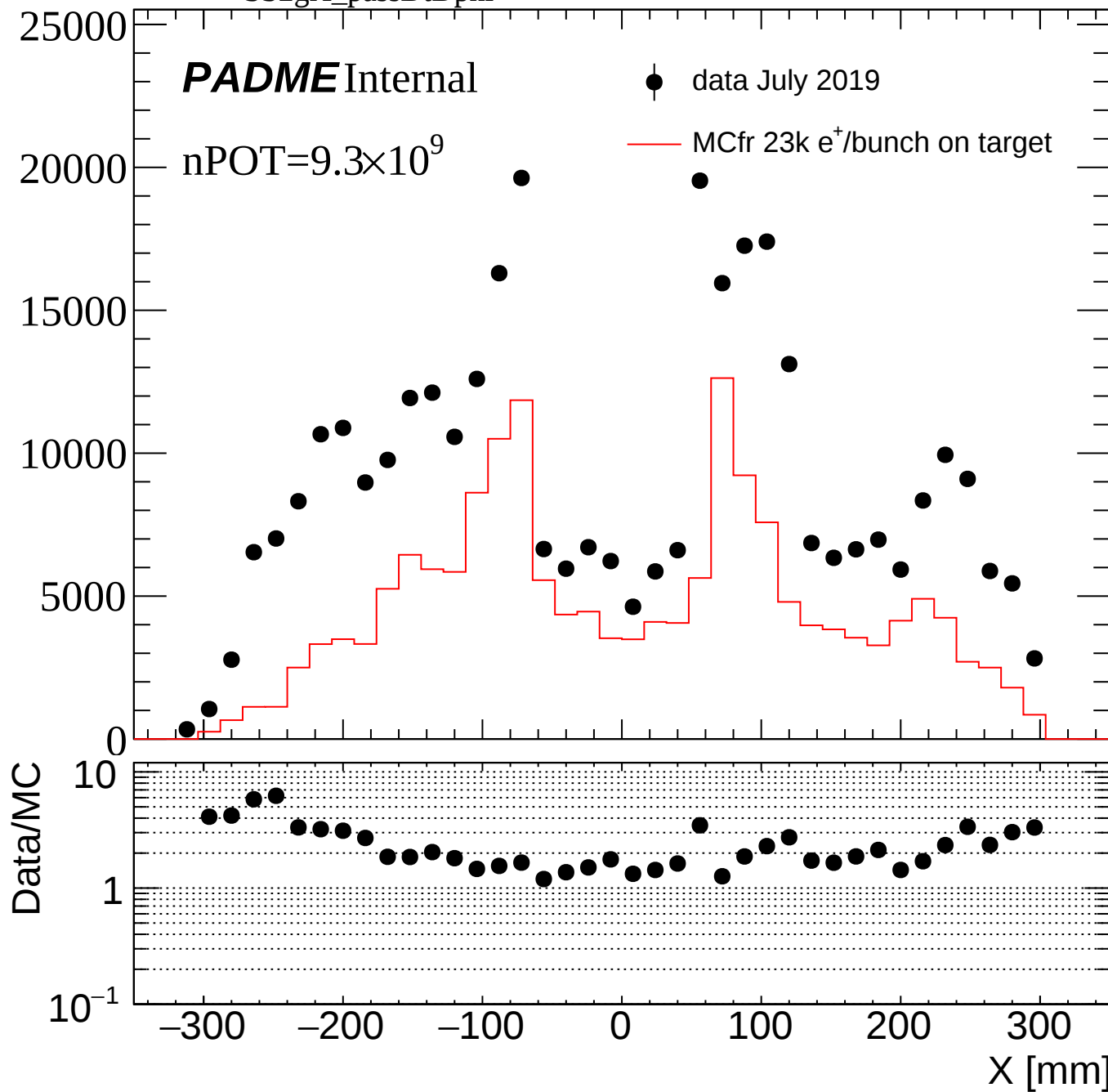
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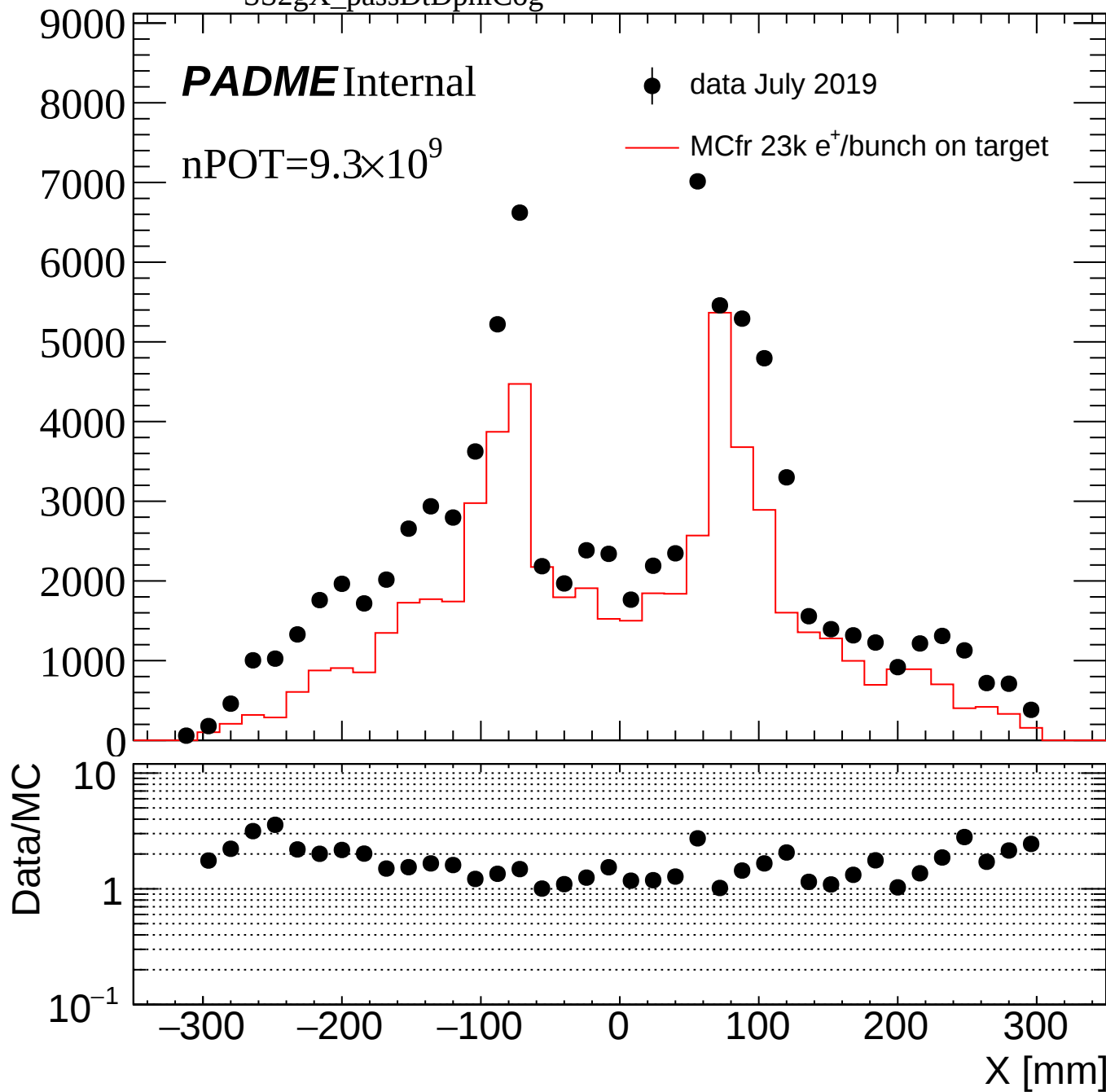




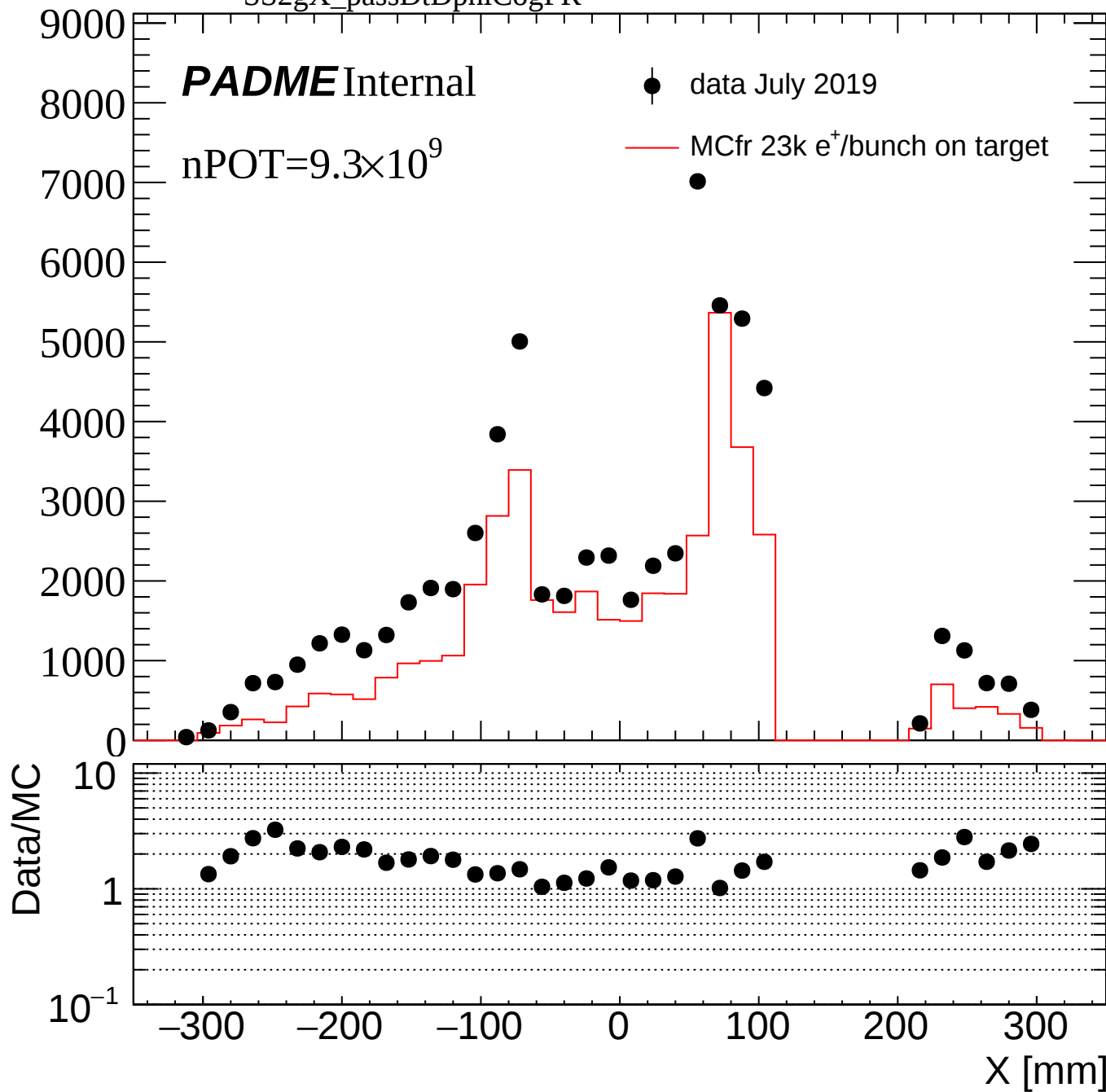
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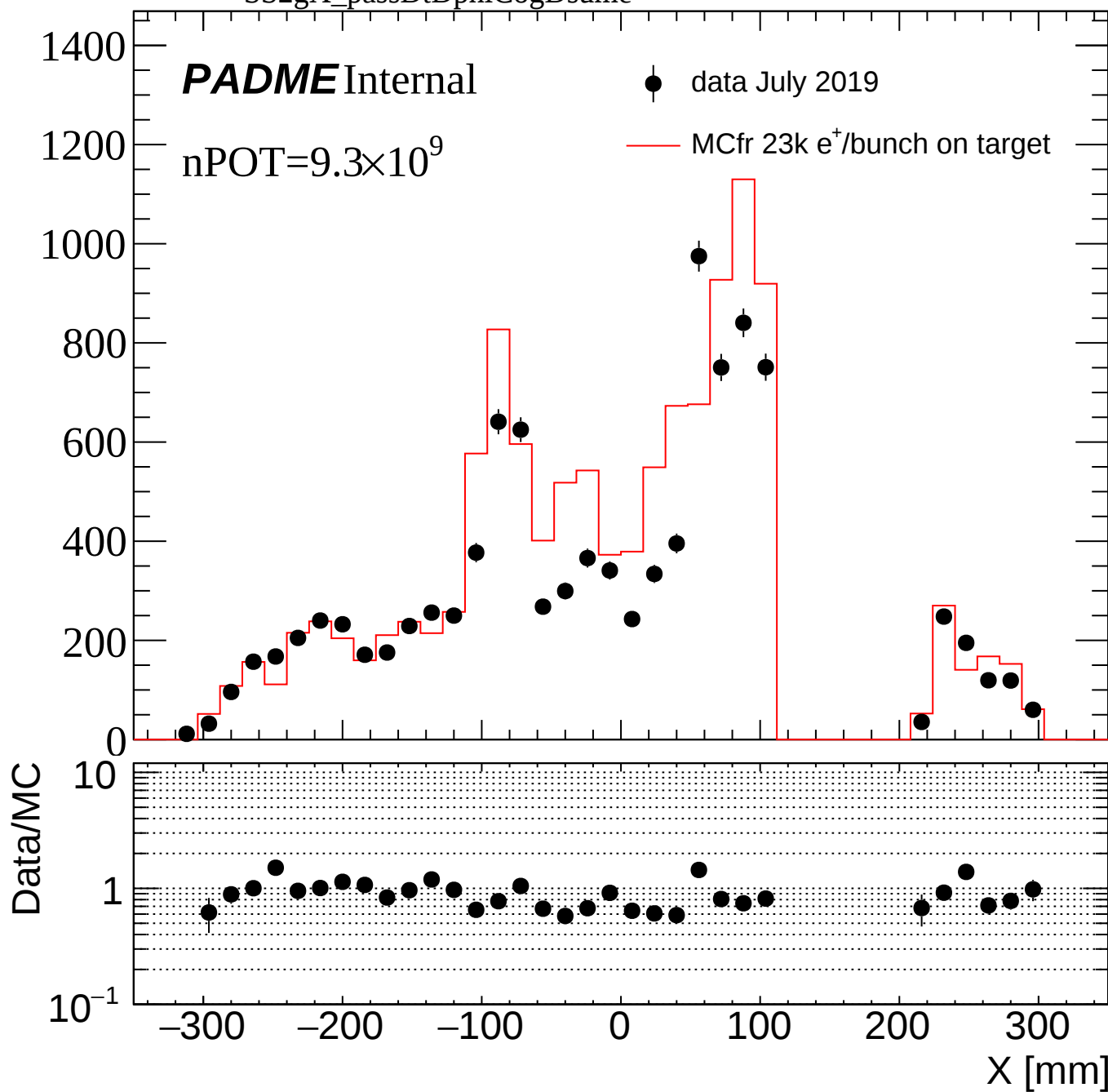
SS2gX_passDtDphiCog

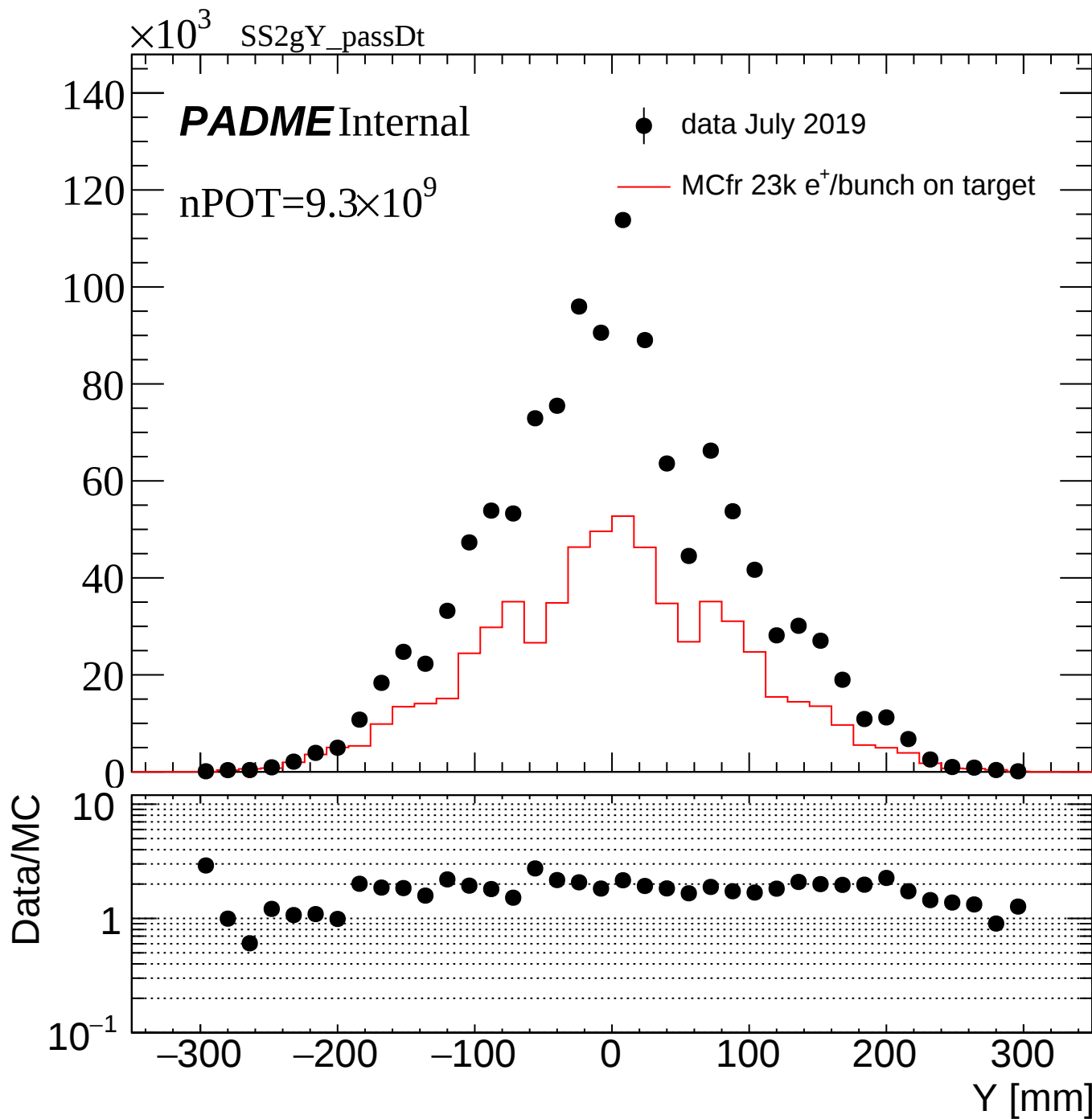


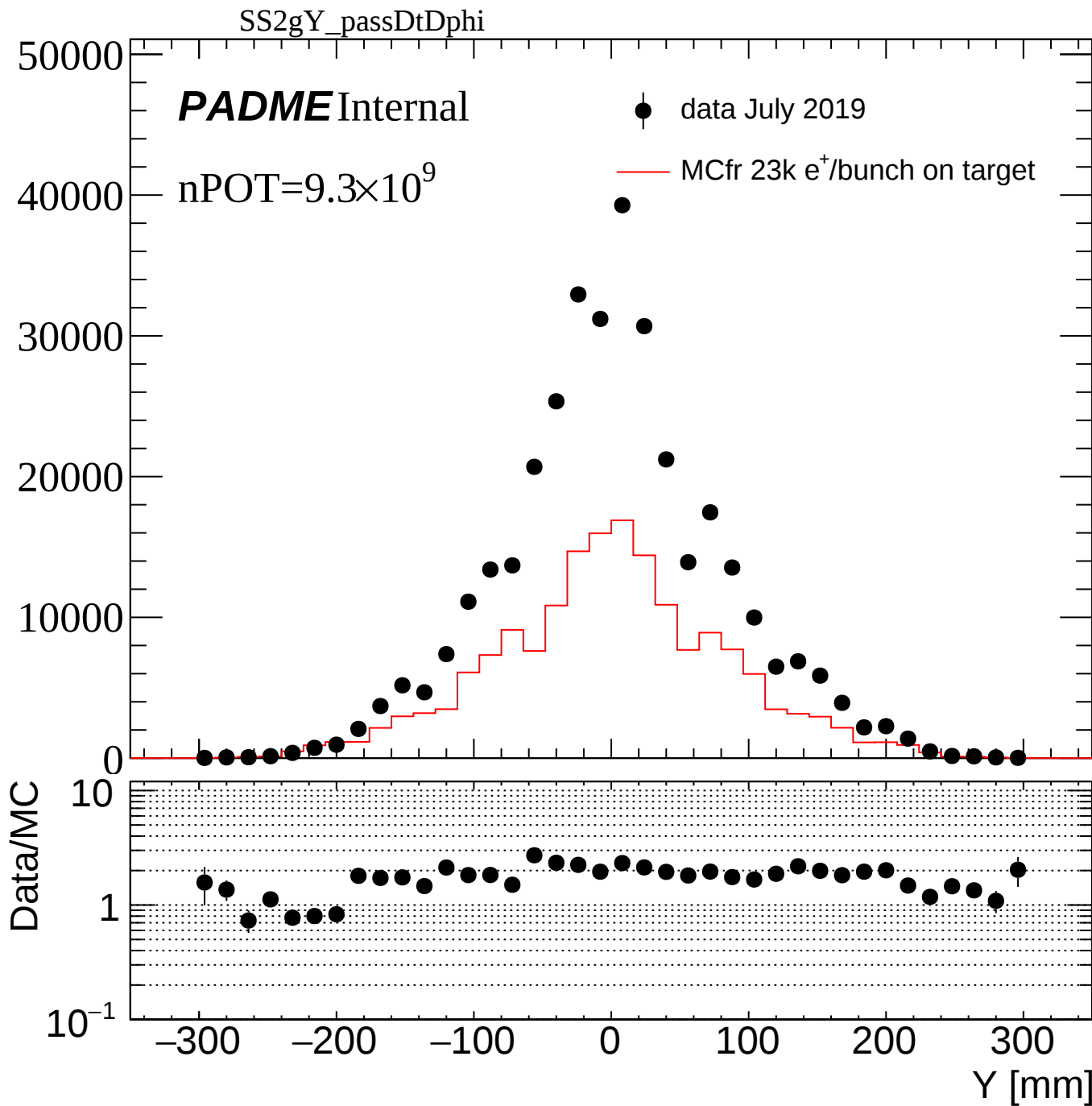
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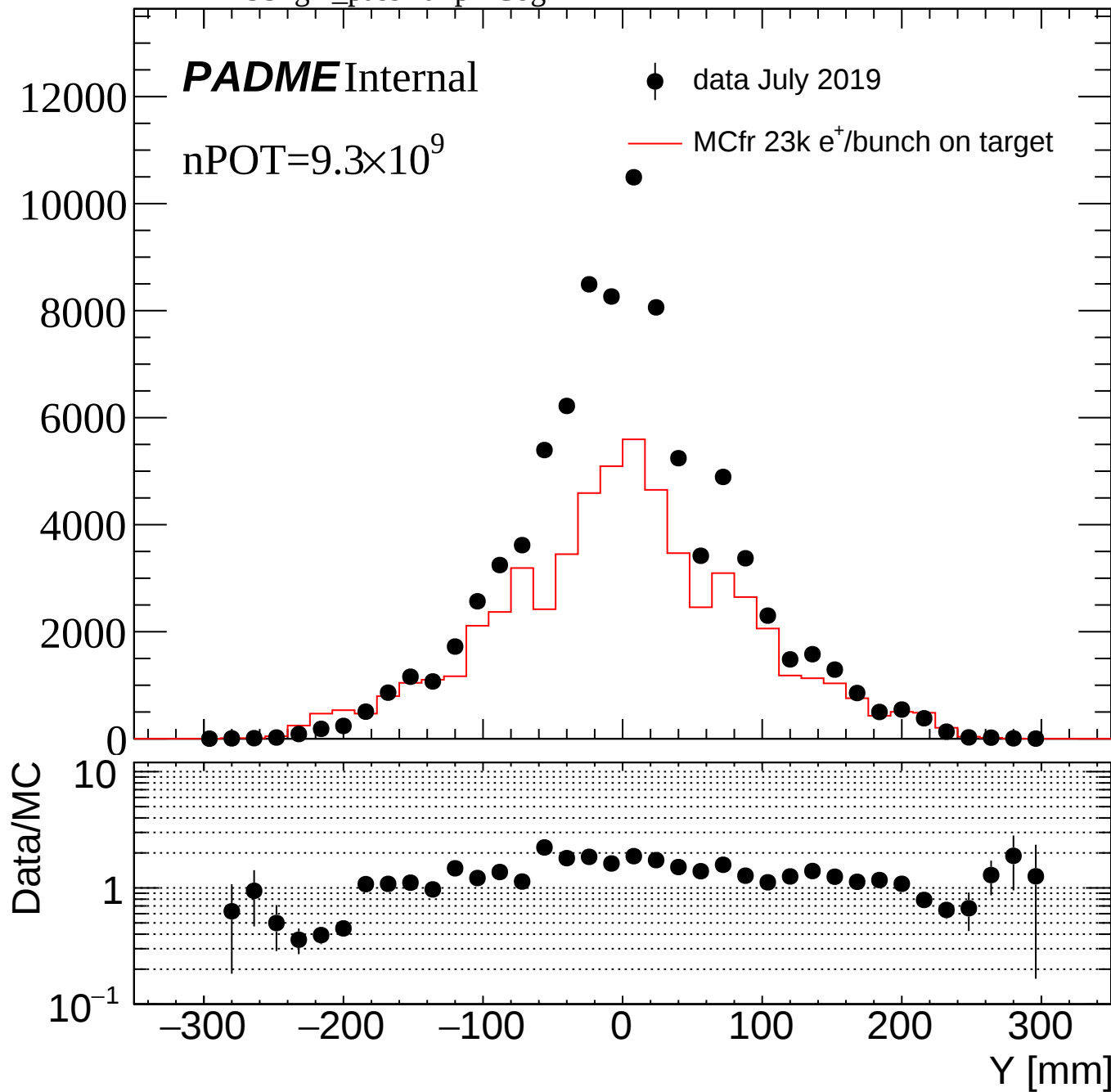


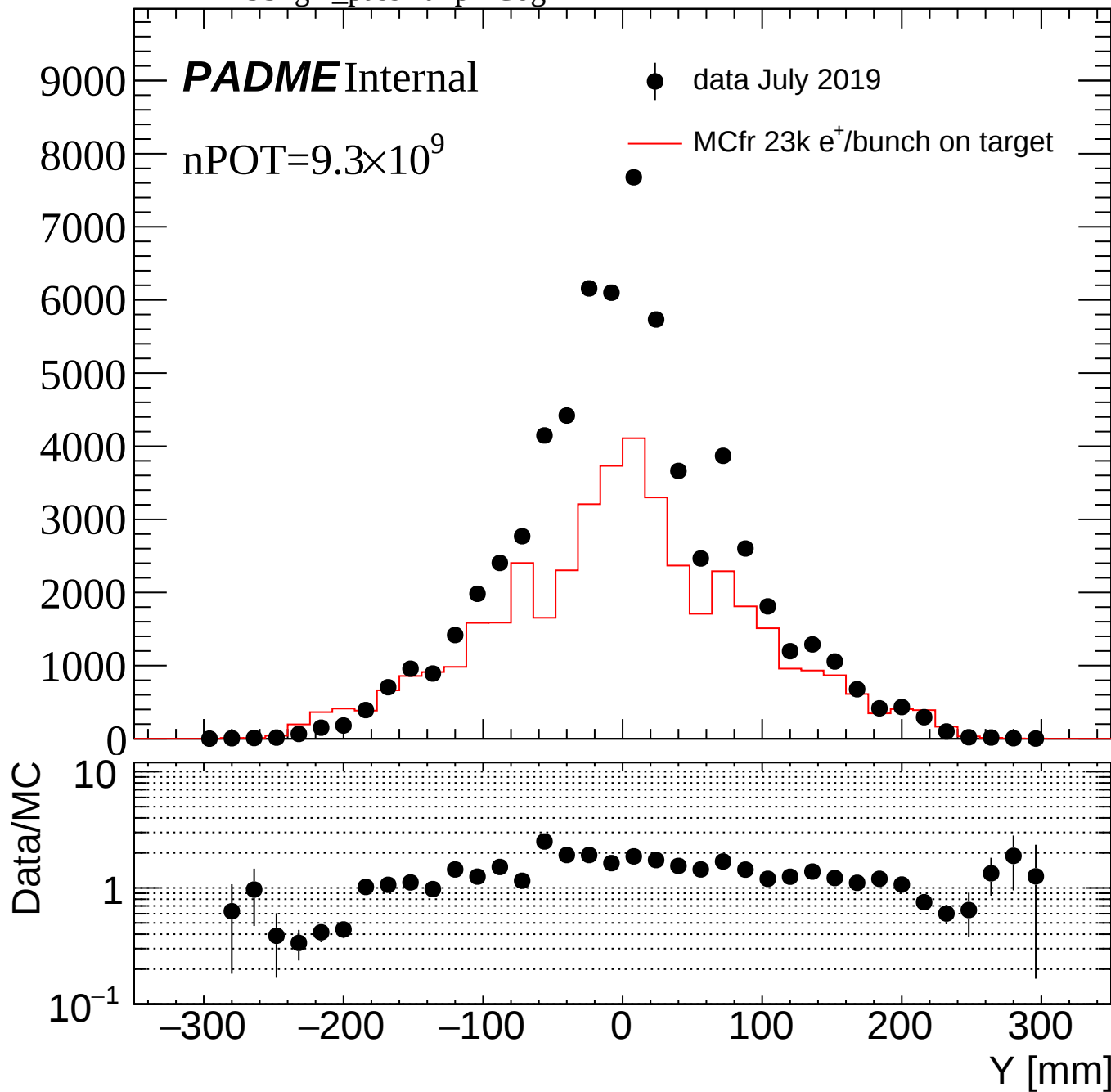
SS2gX_passDtDphiCogDsume

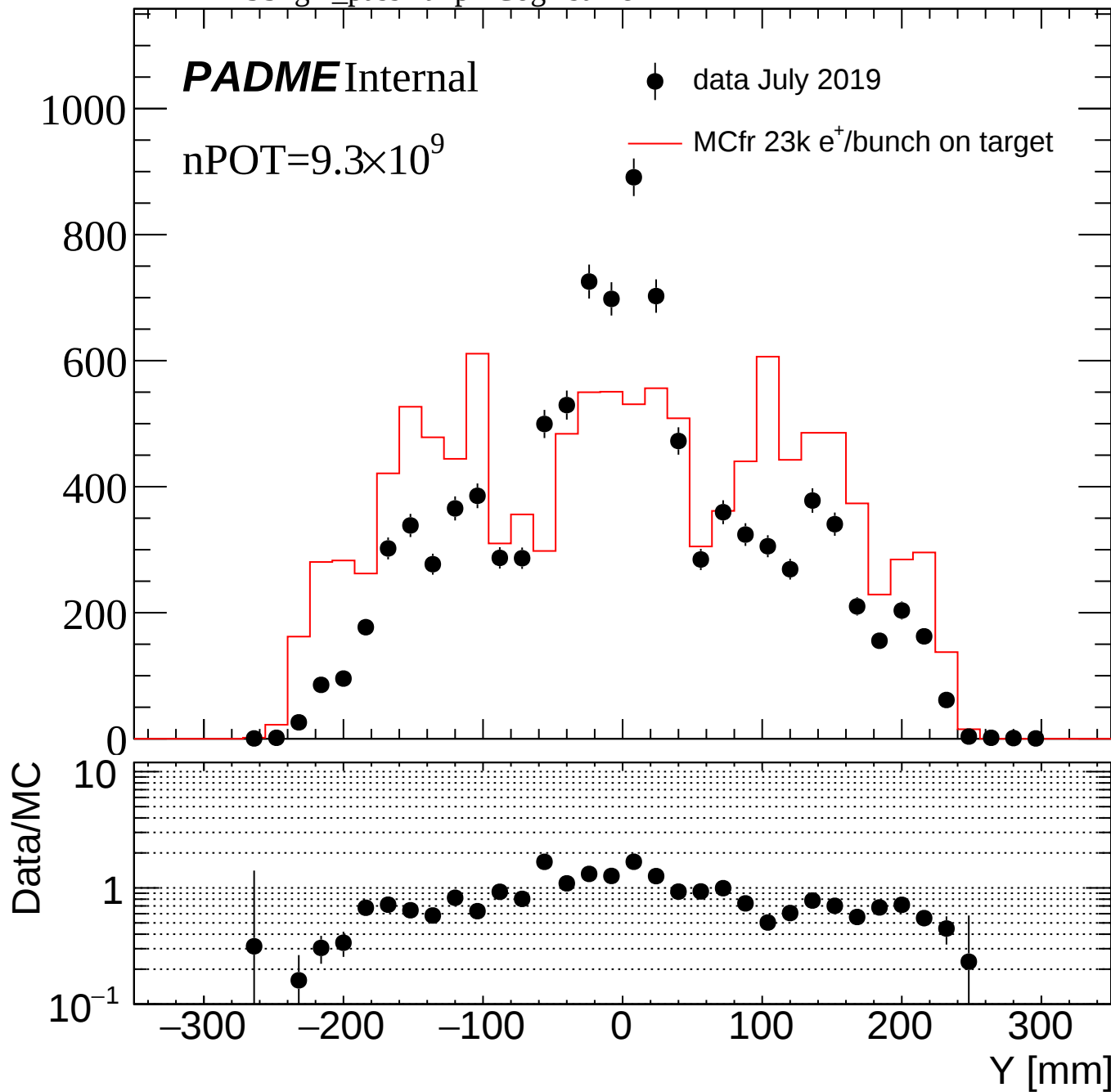


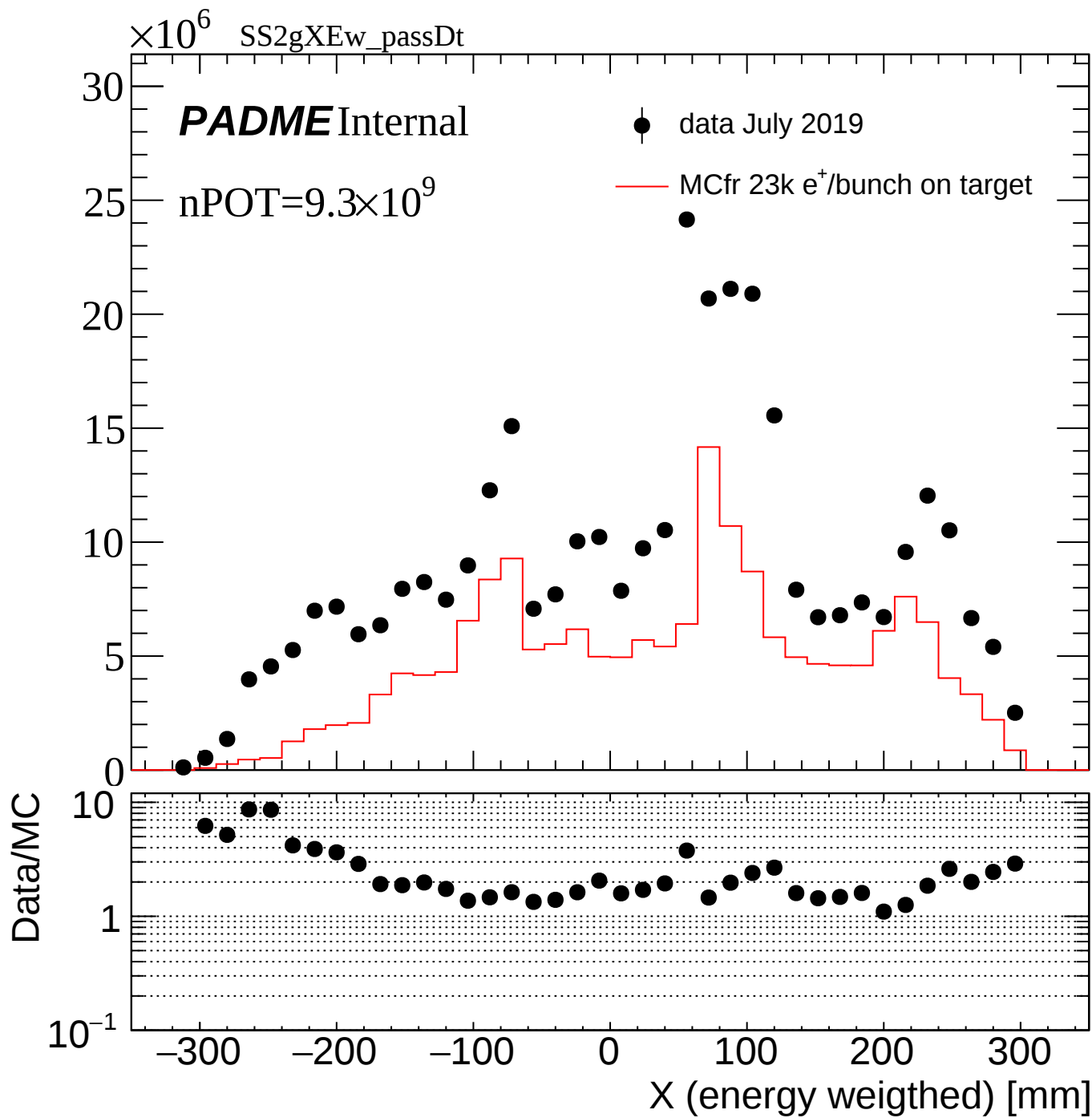


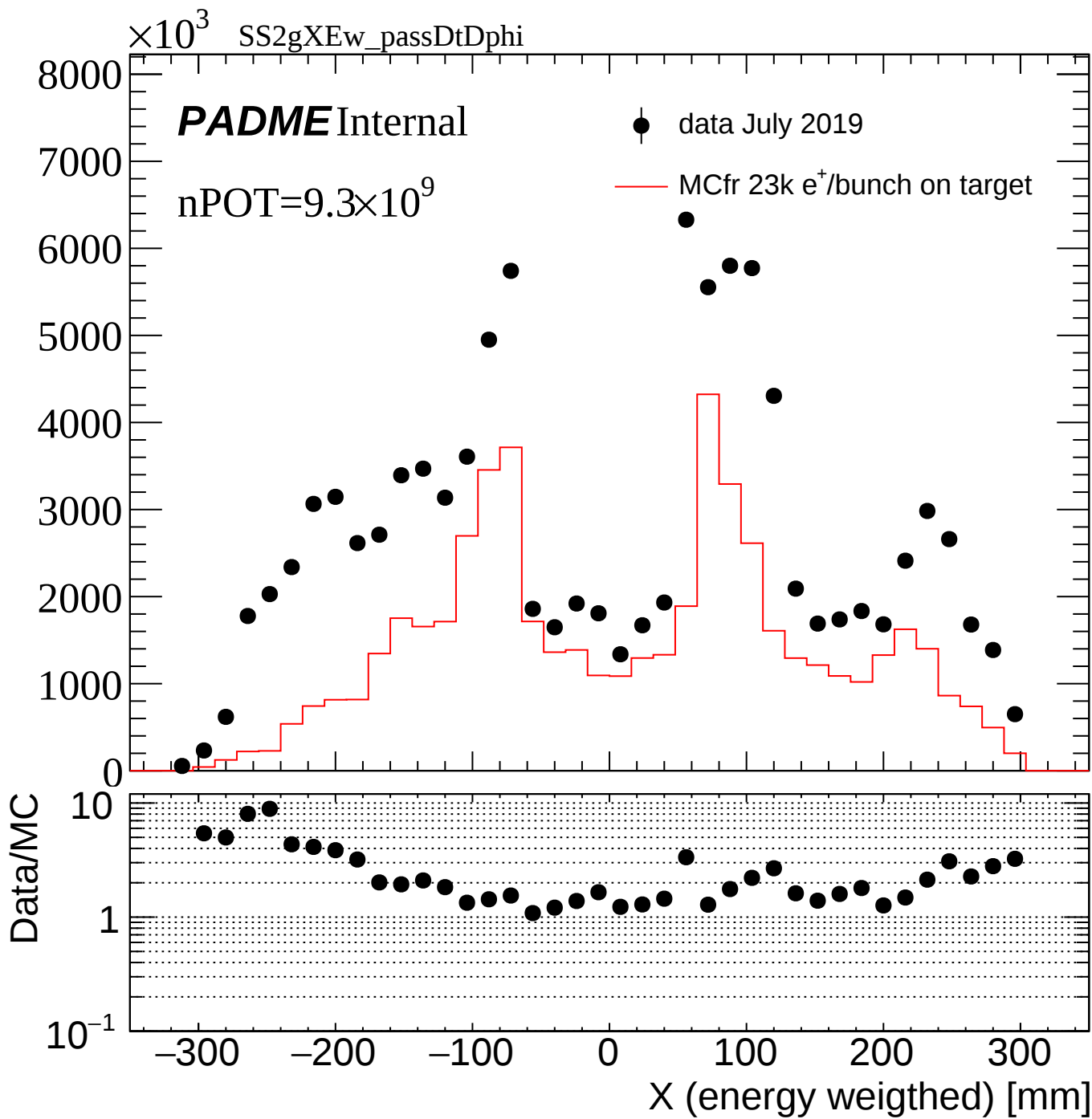


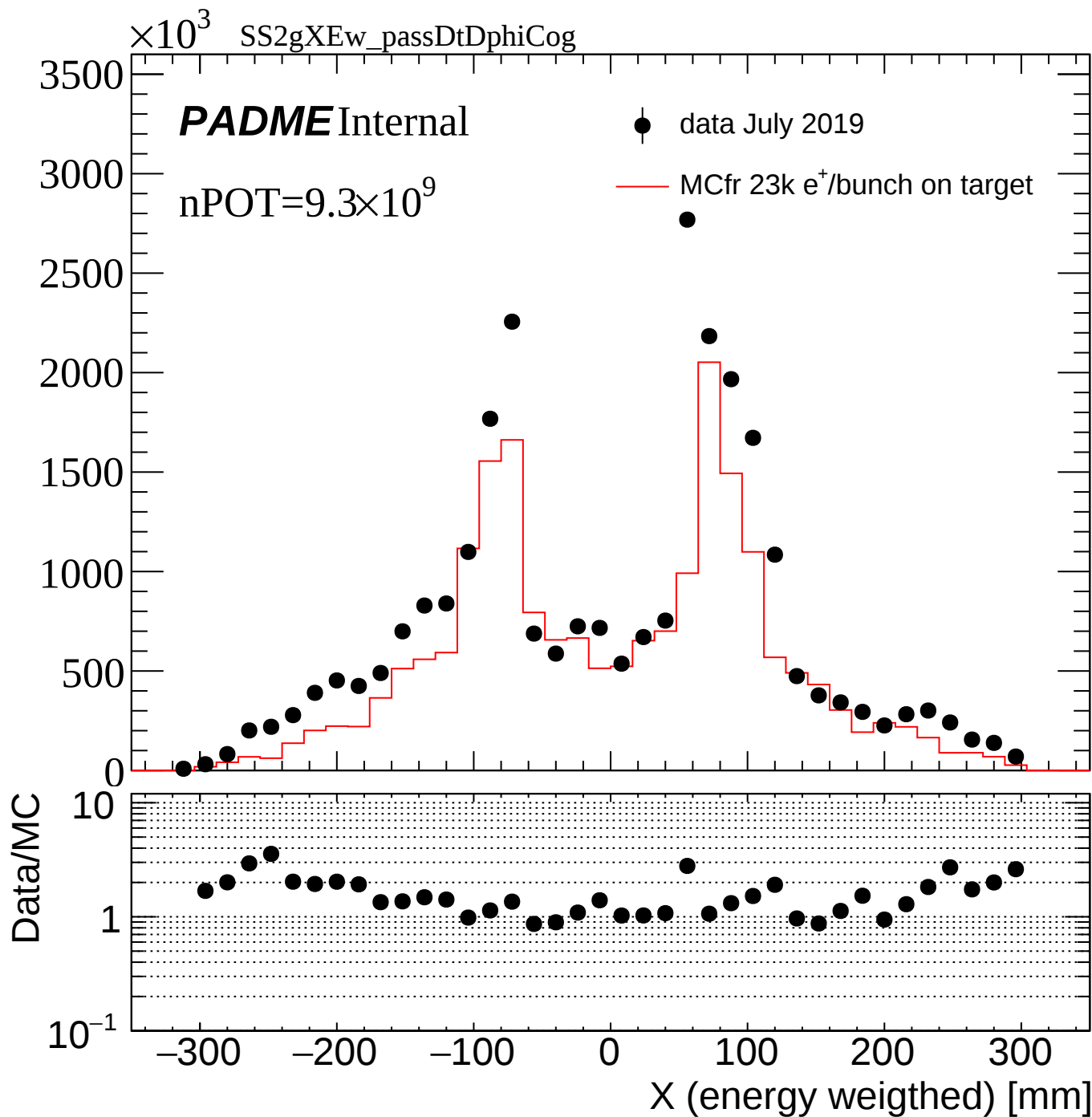


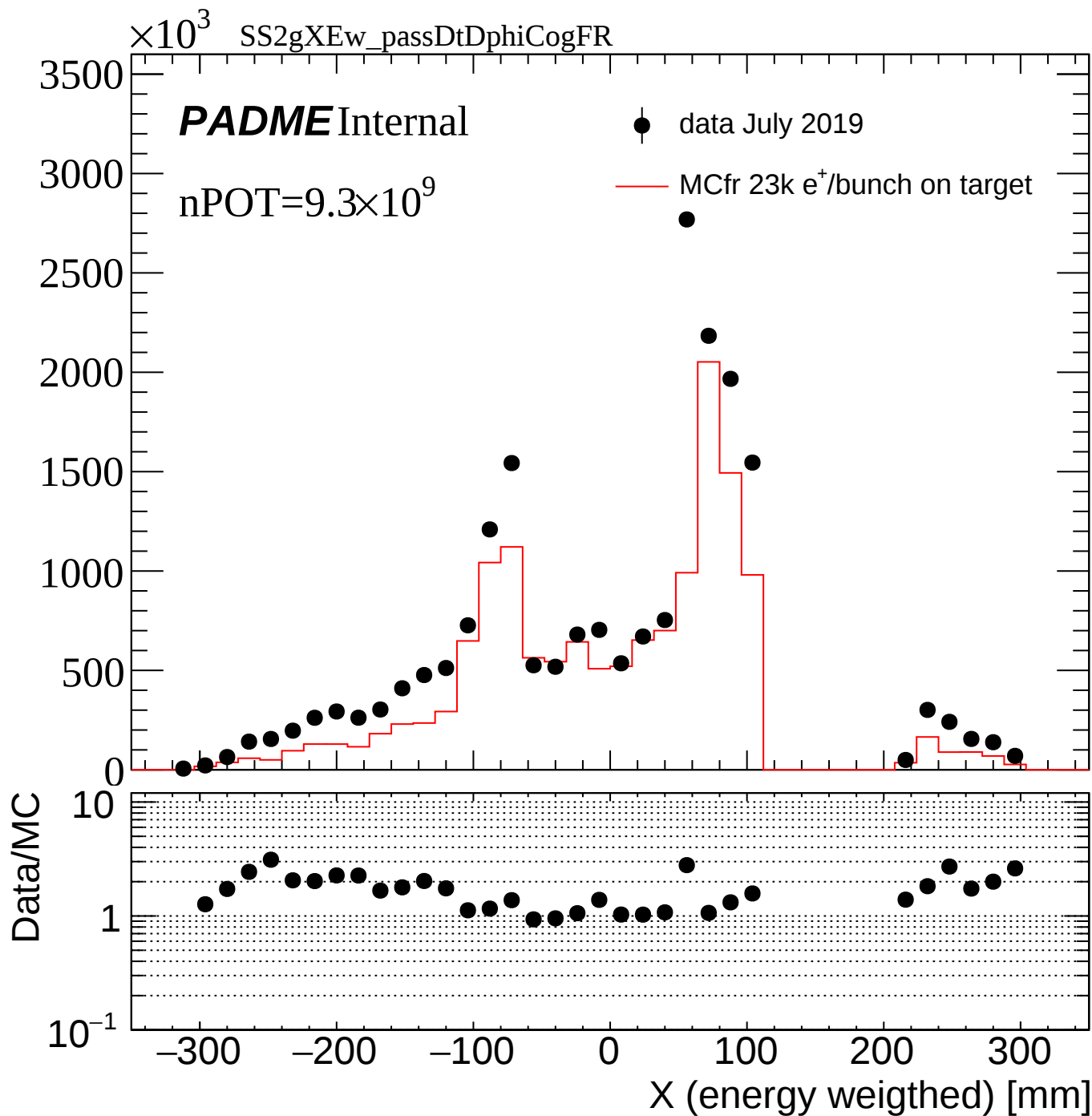


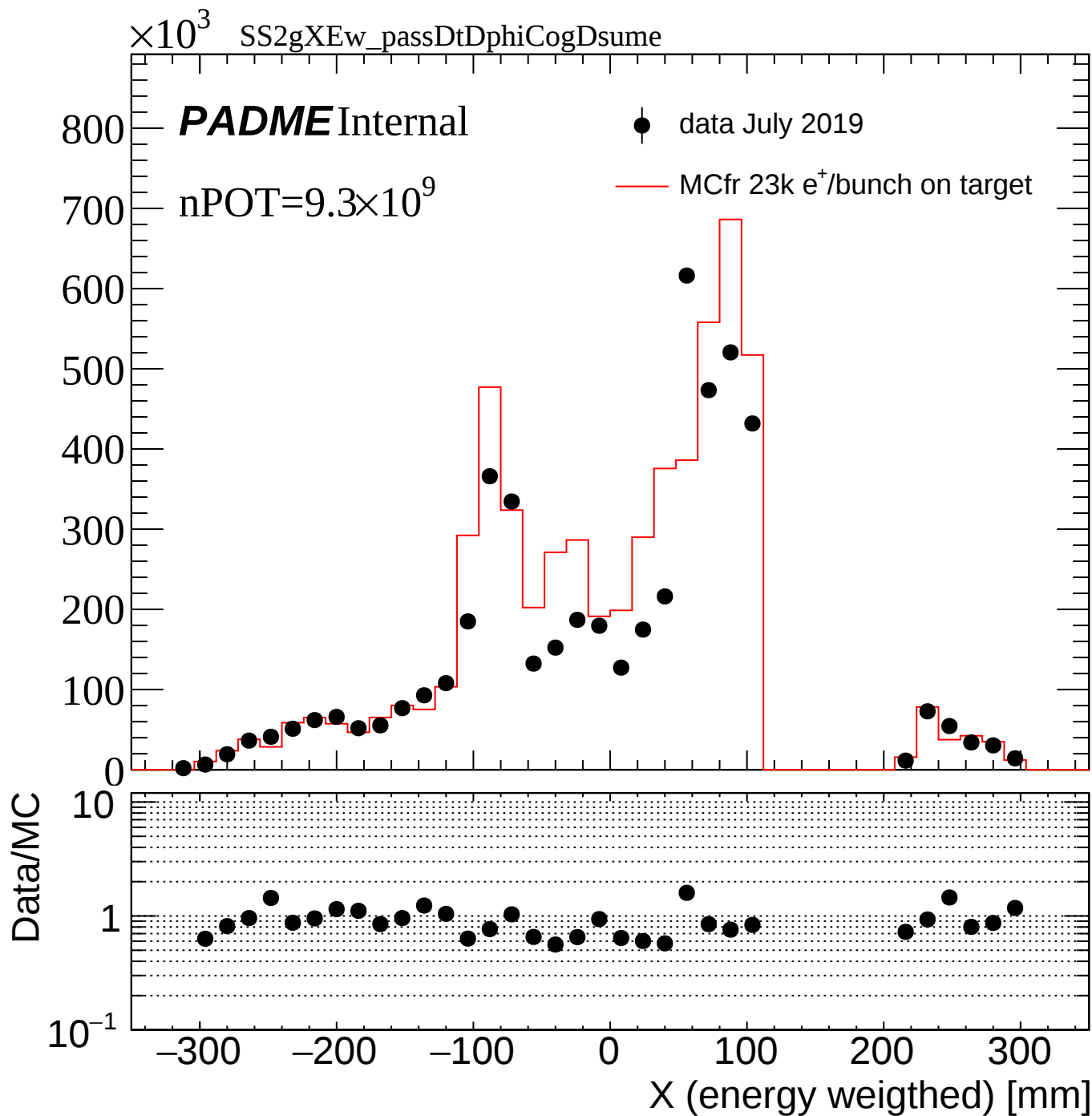


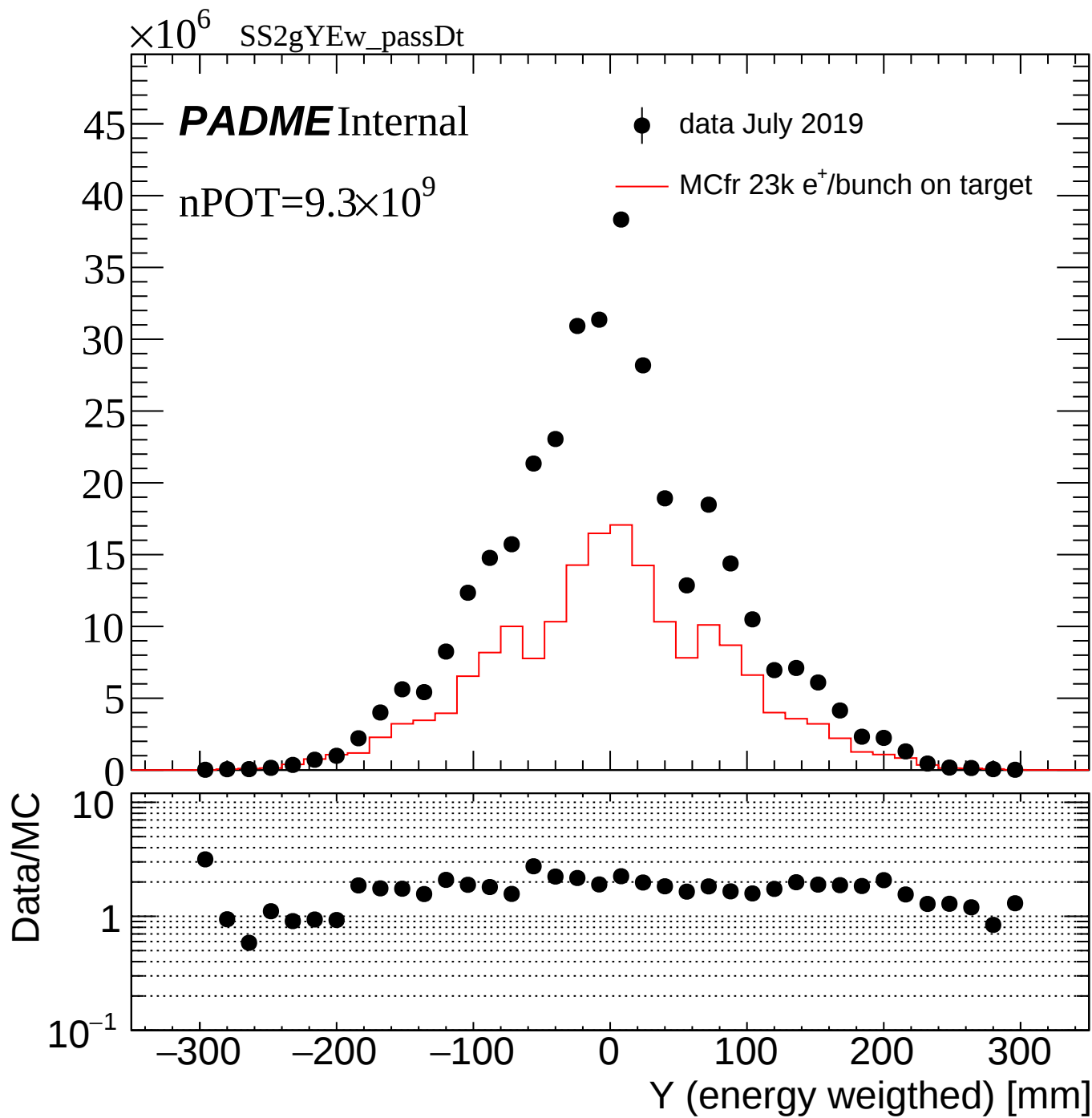


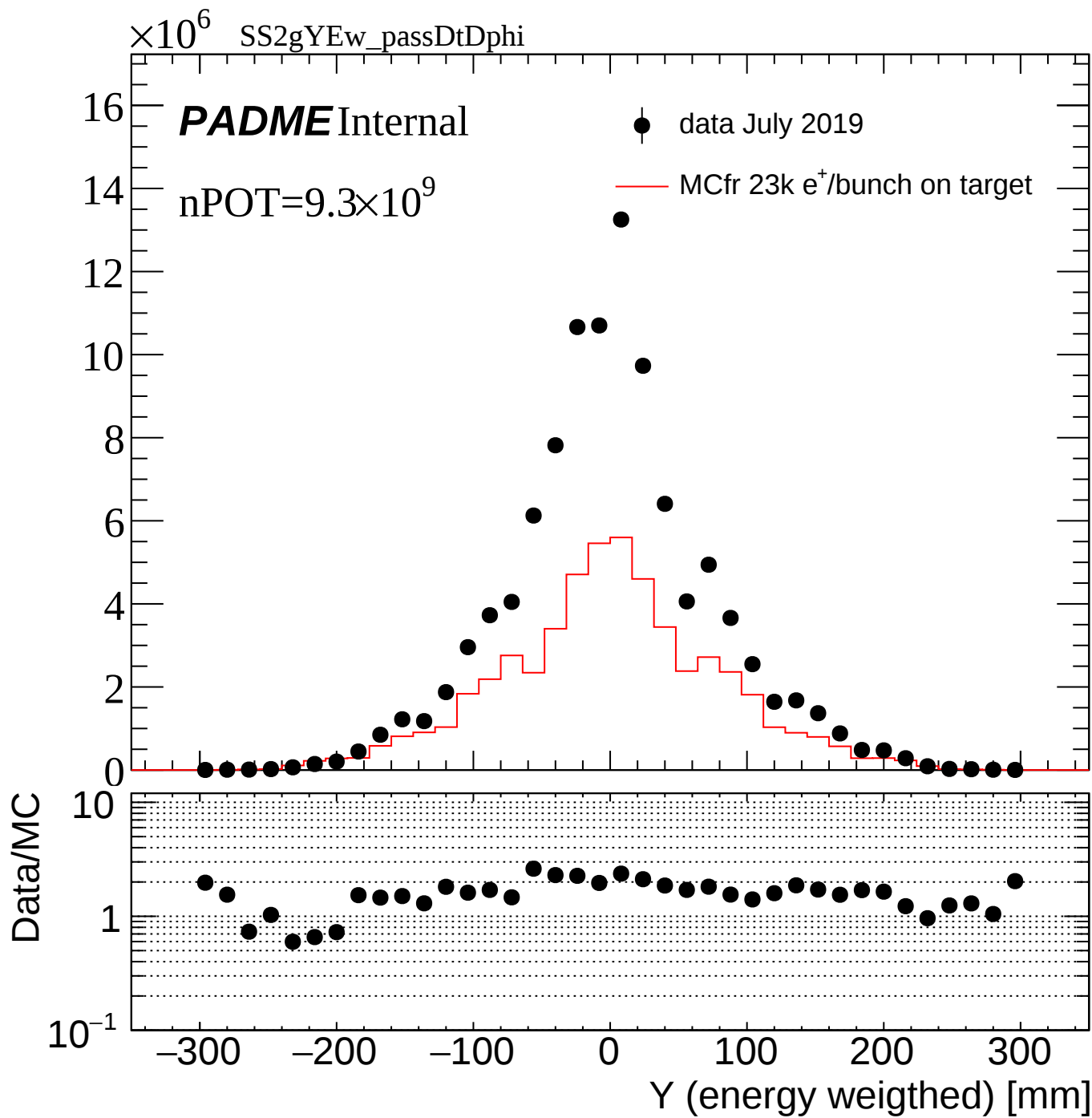


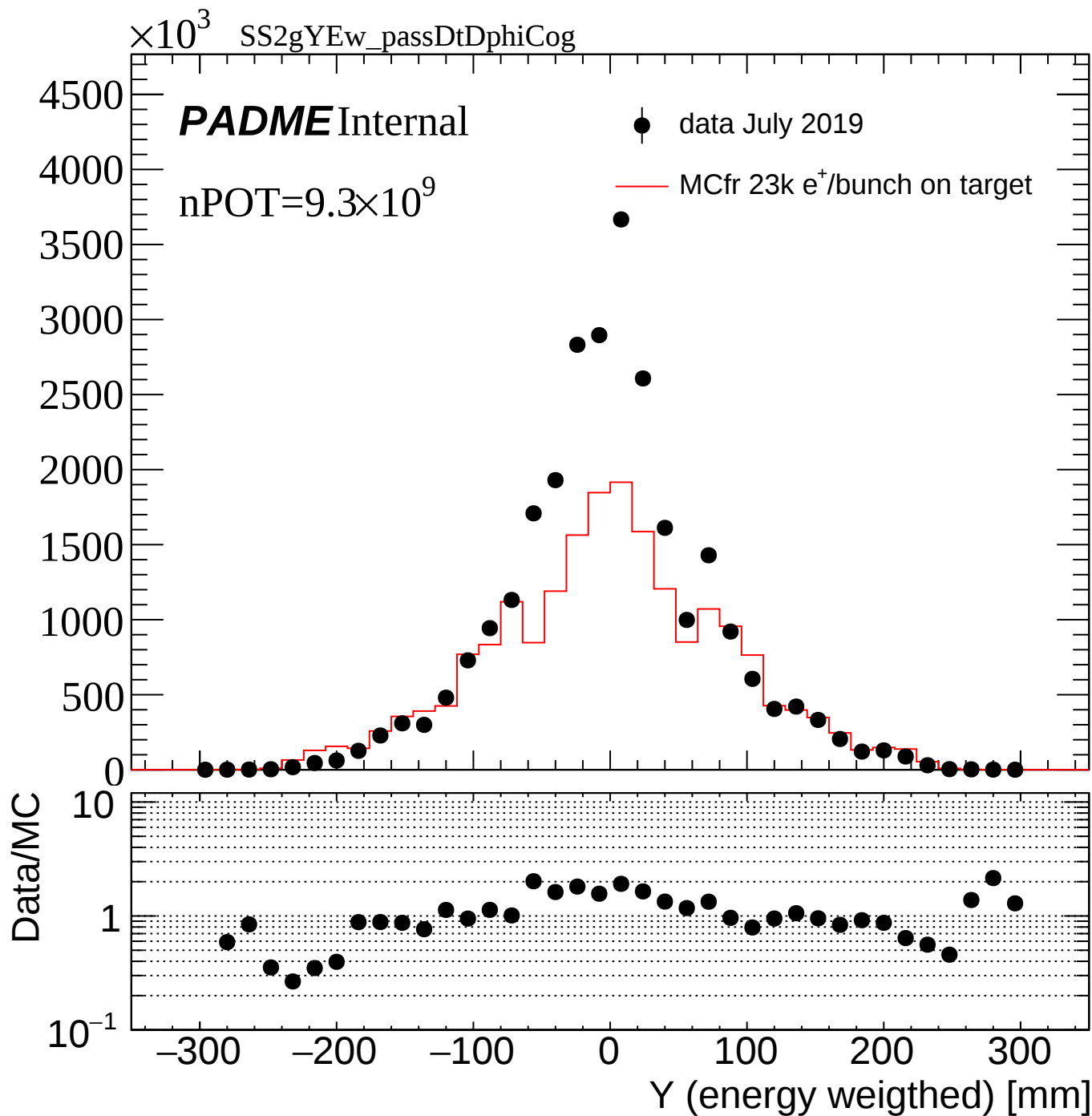


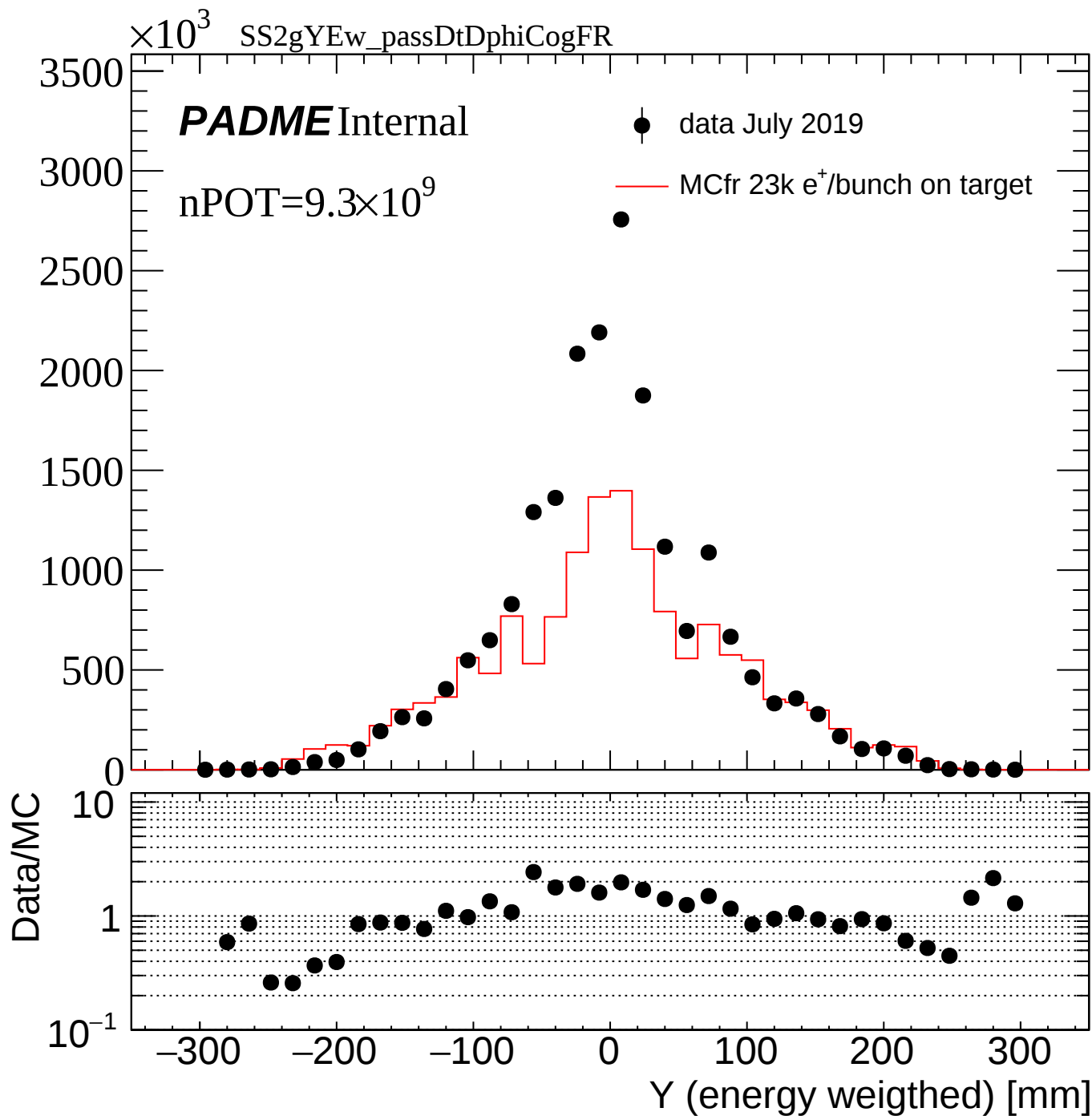


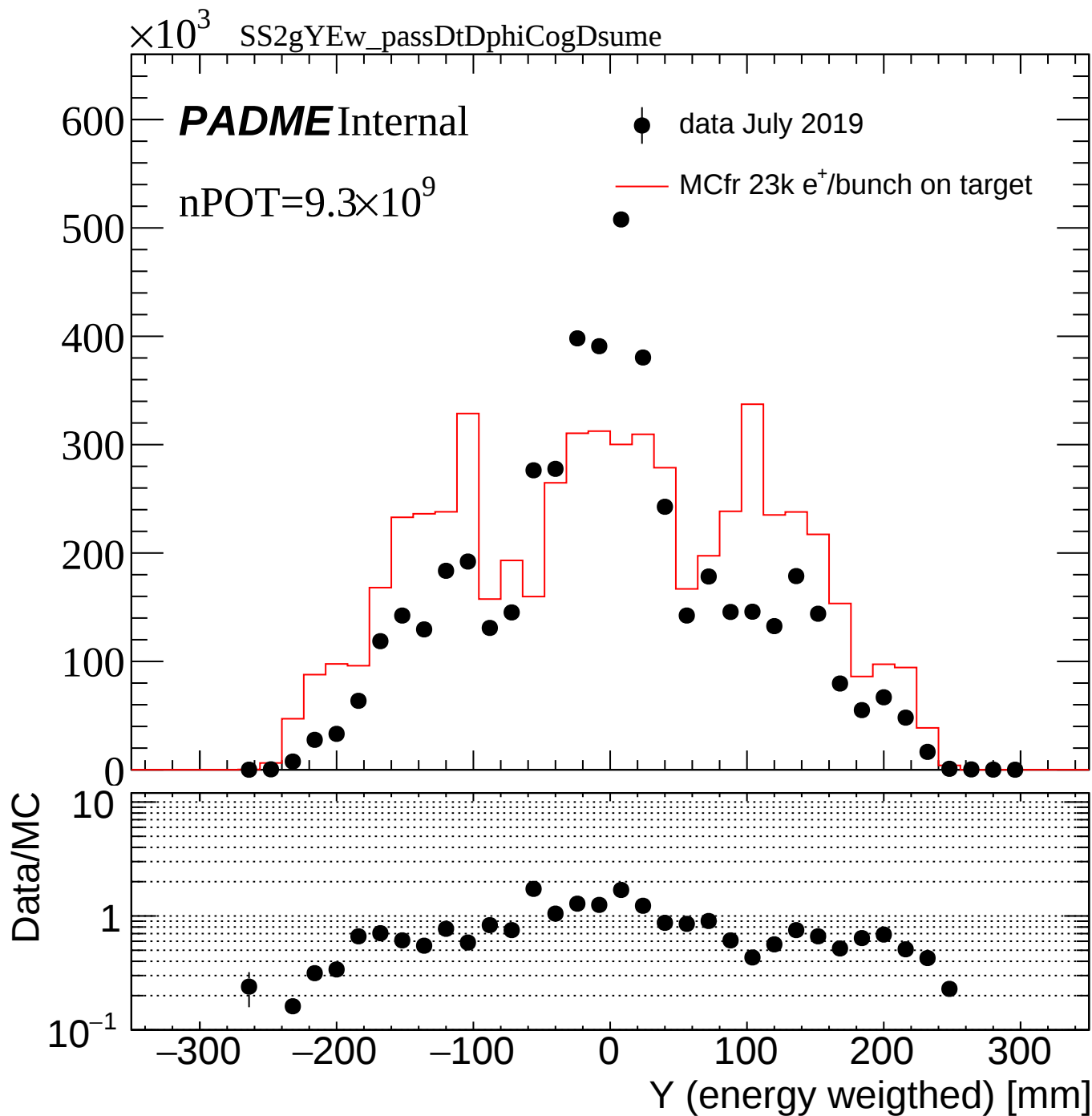




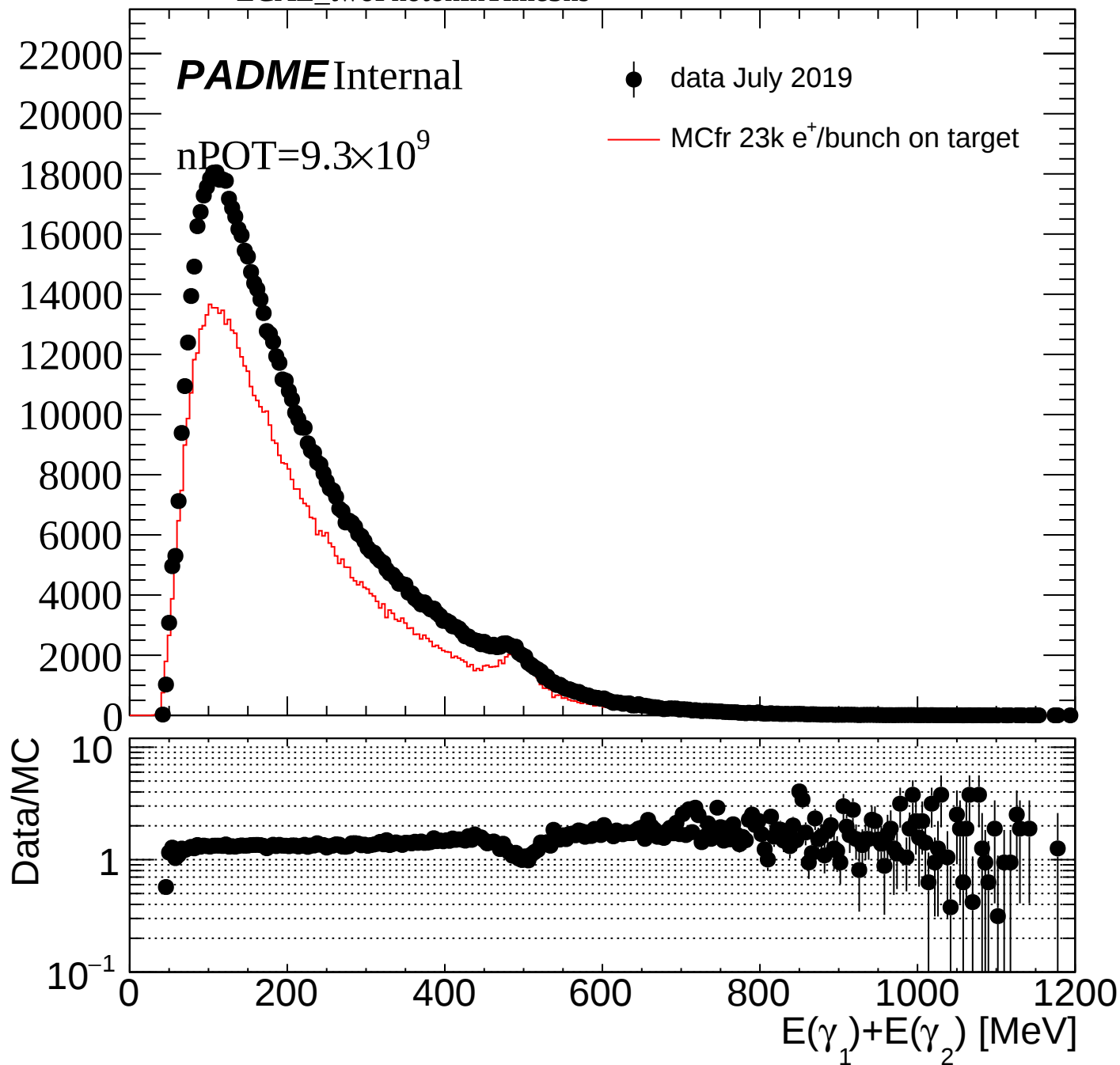


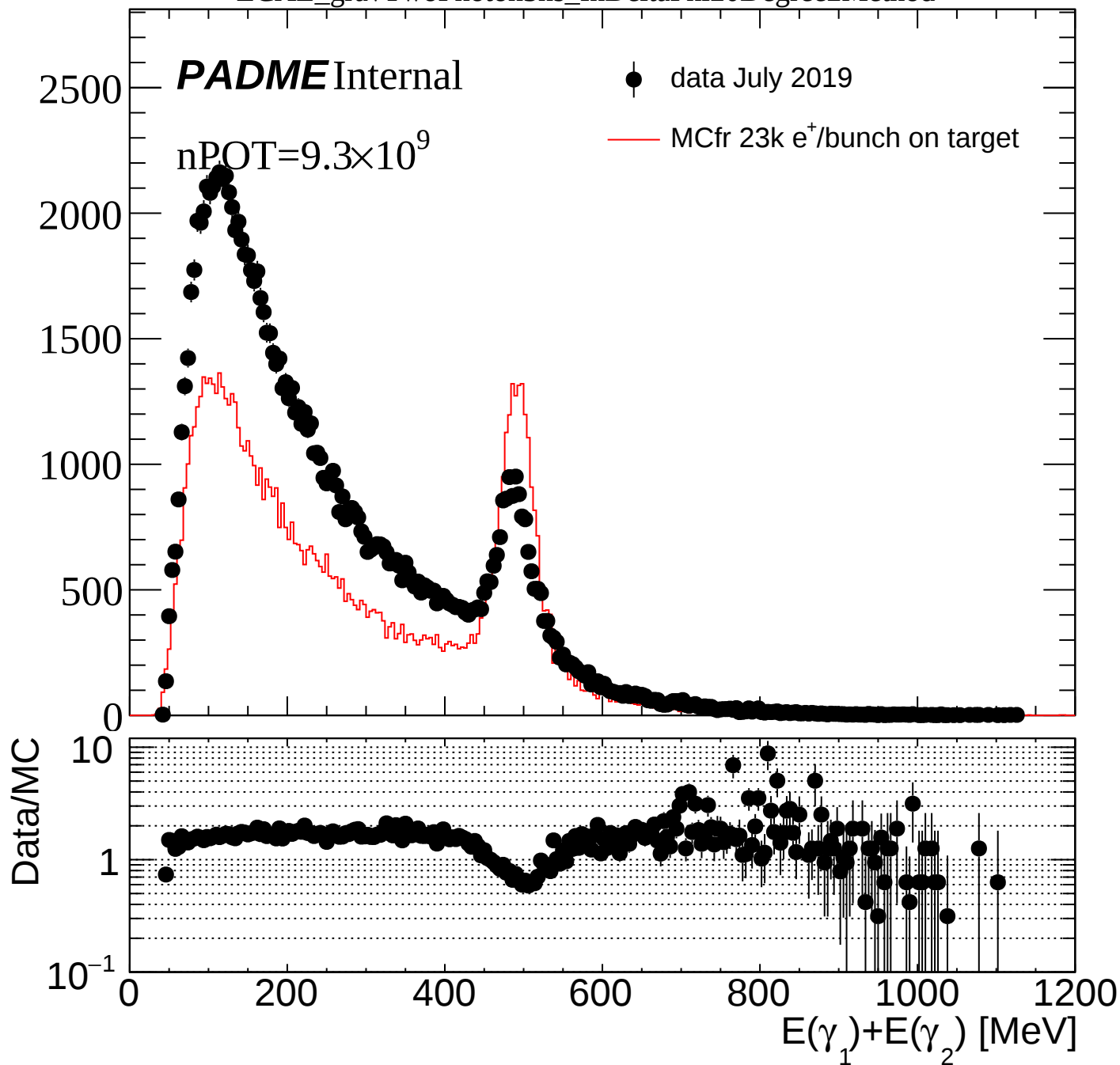


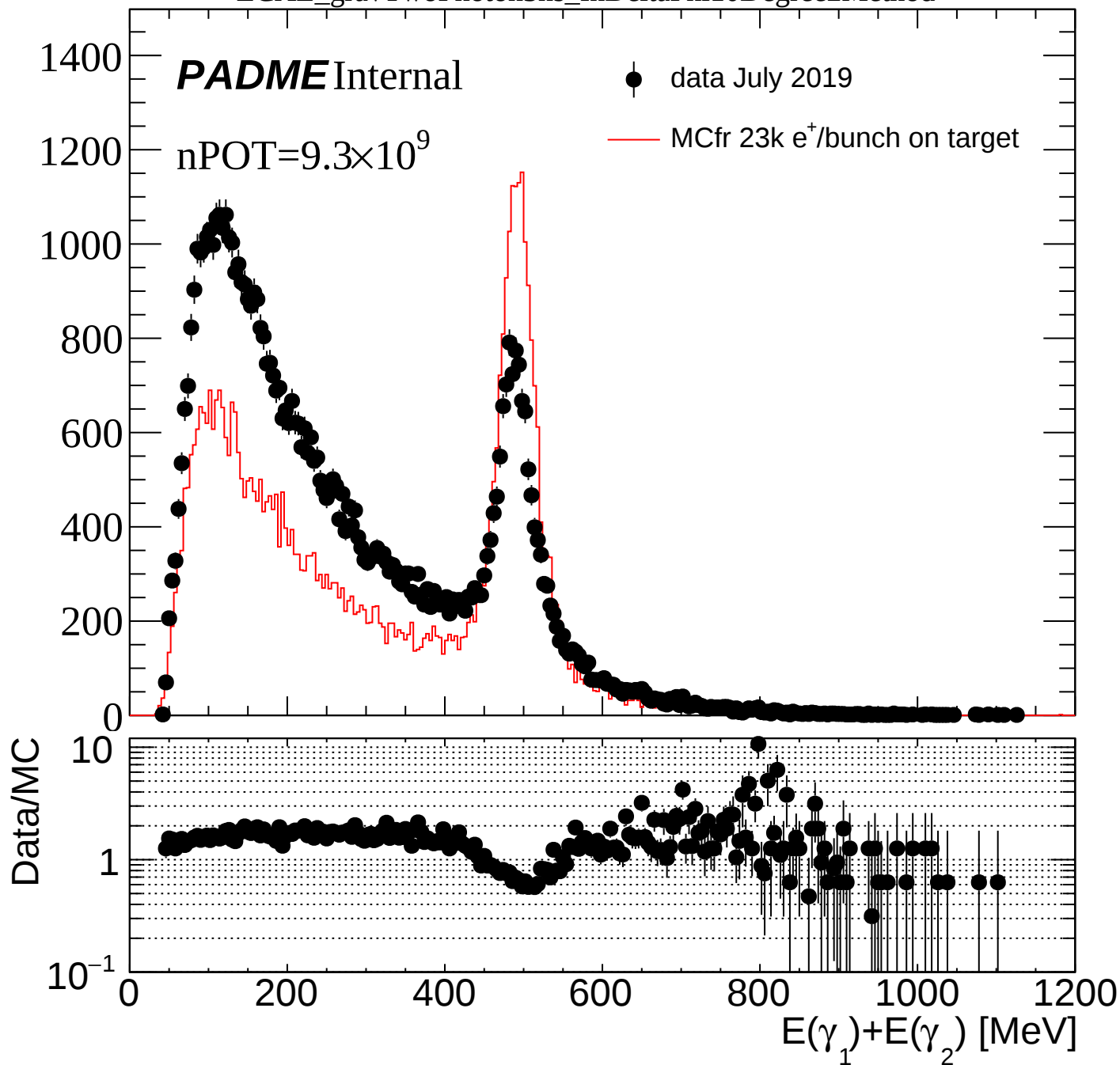


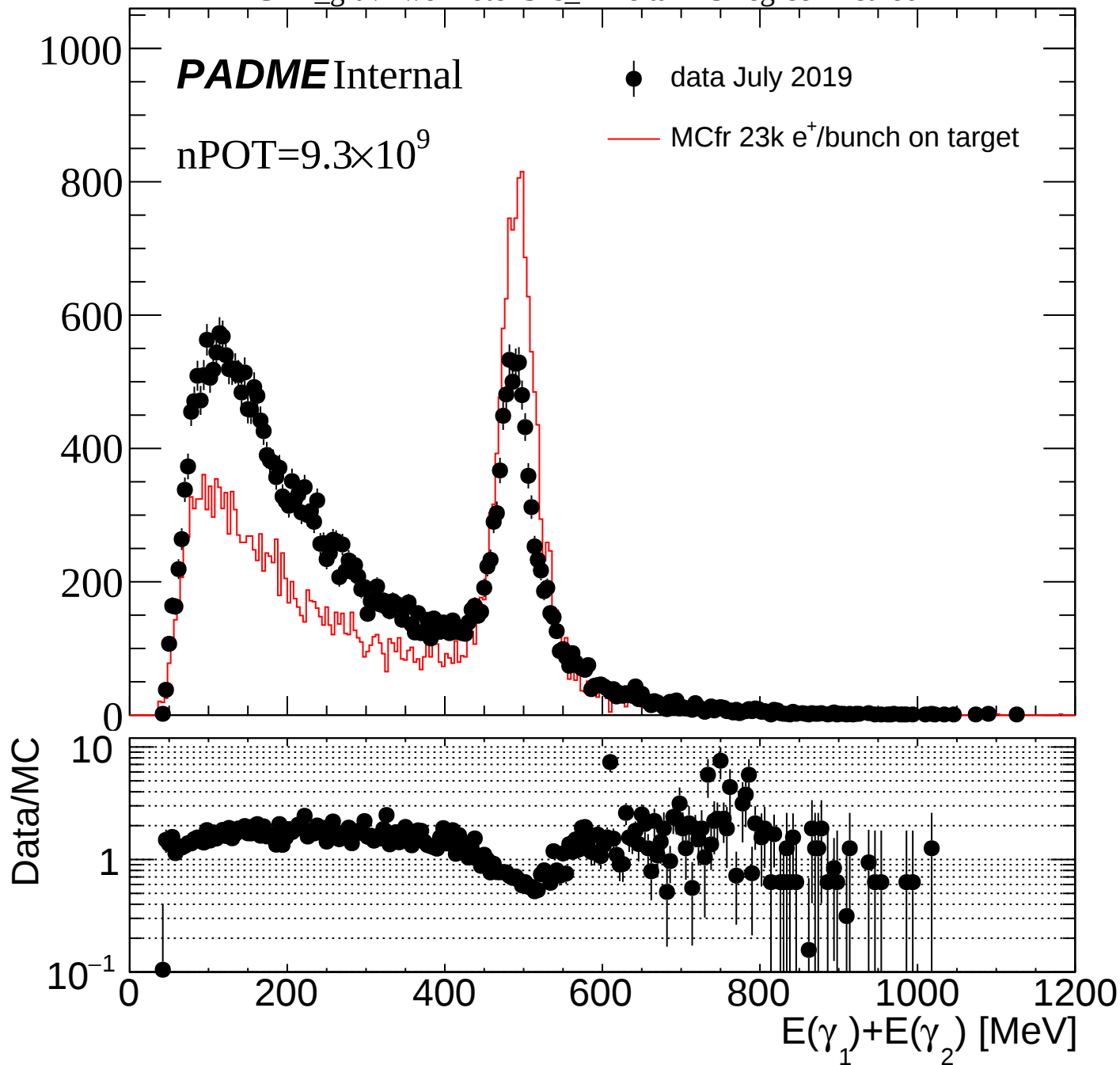


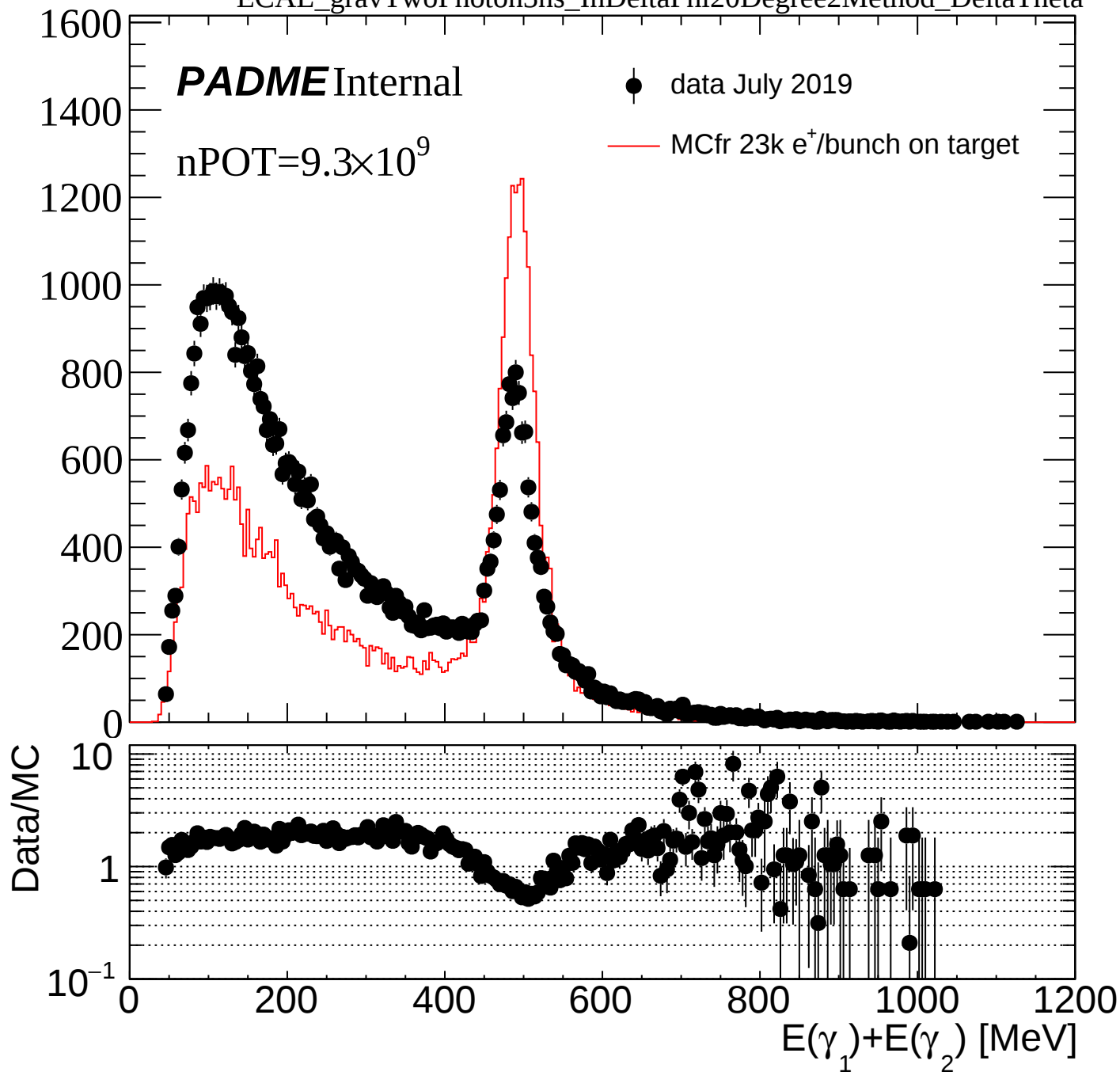
ECAL_twoPhotonInTime3ns

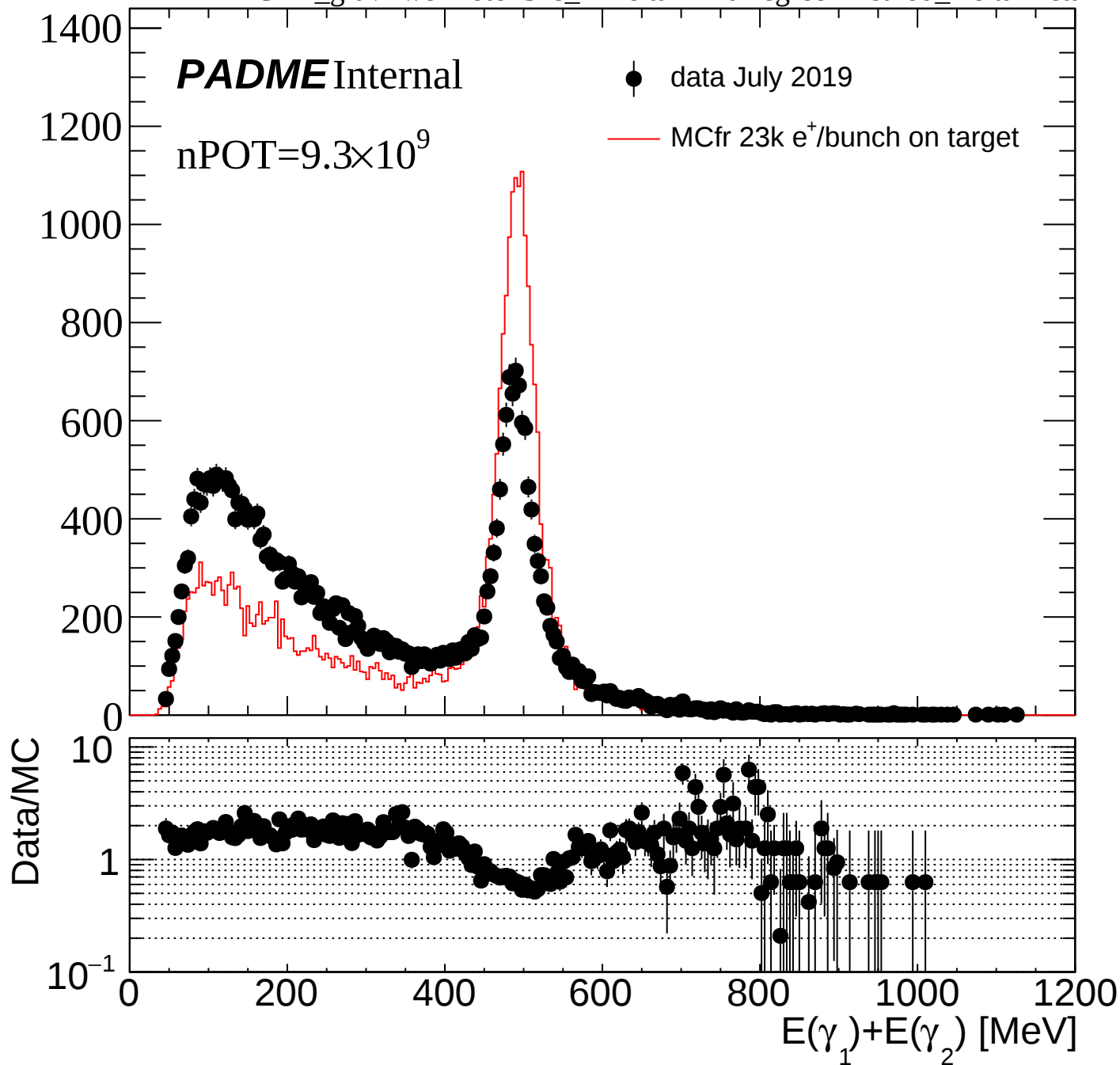


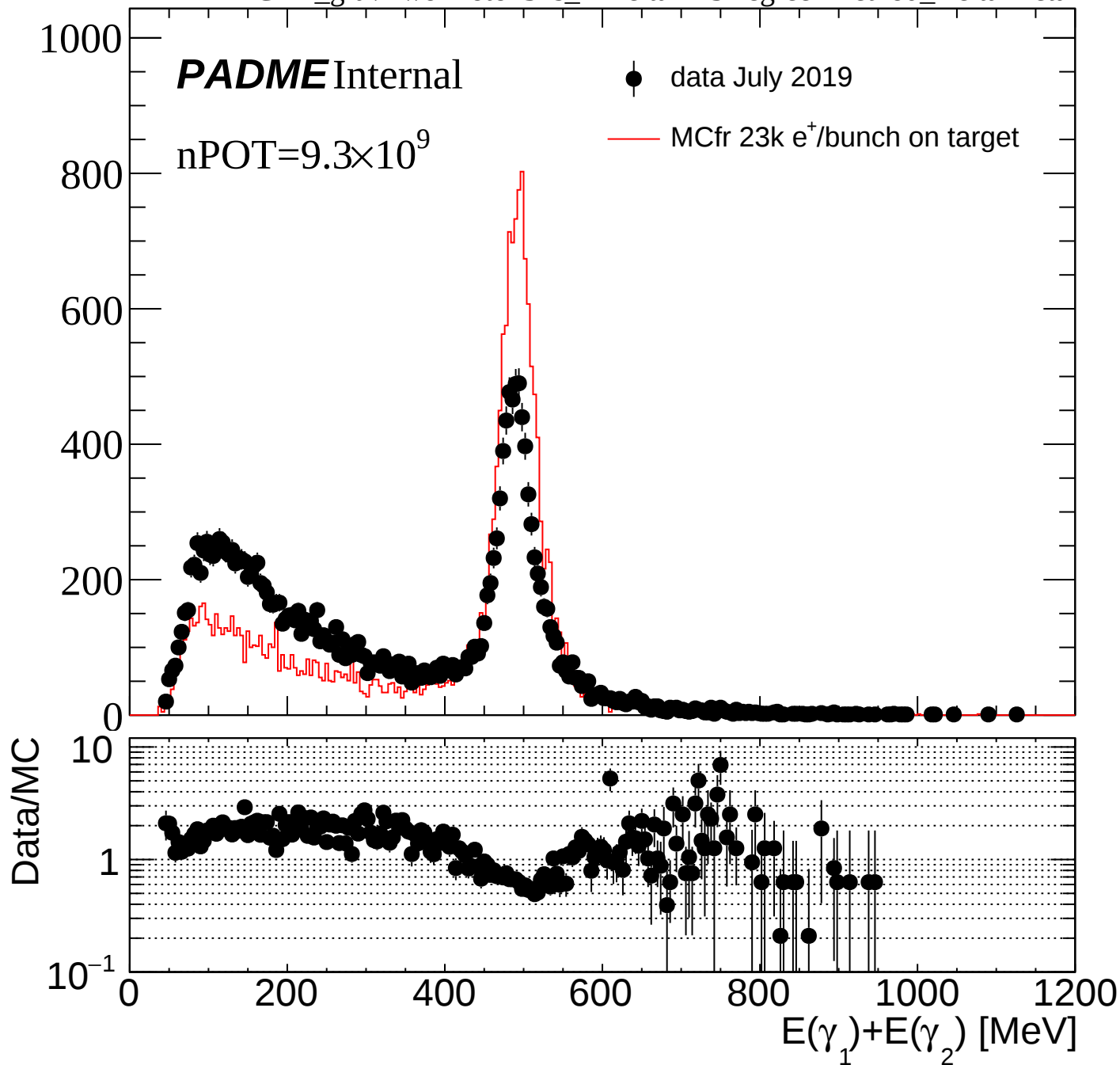


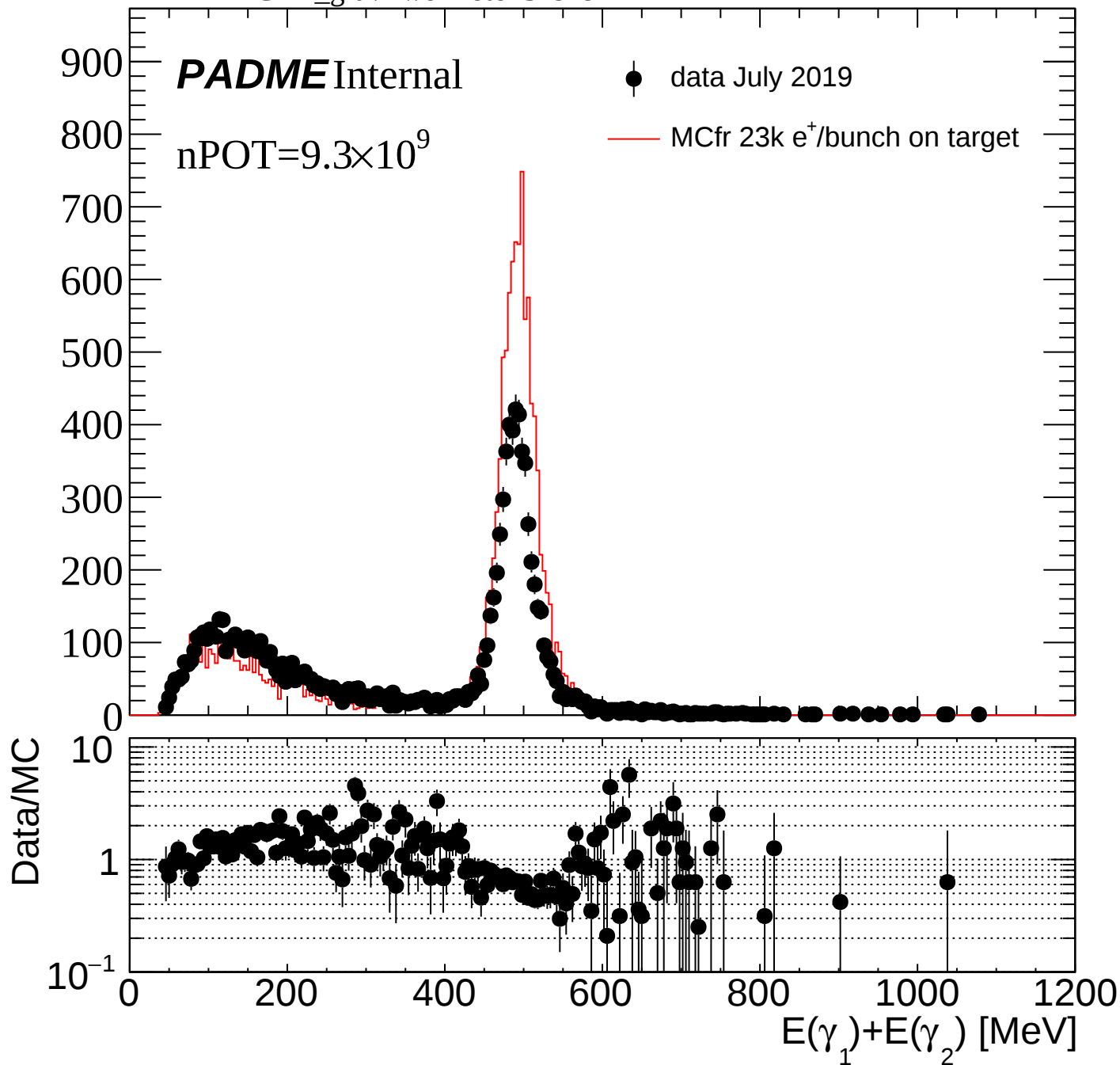


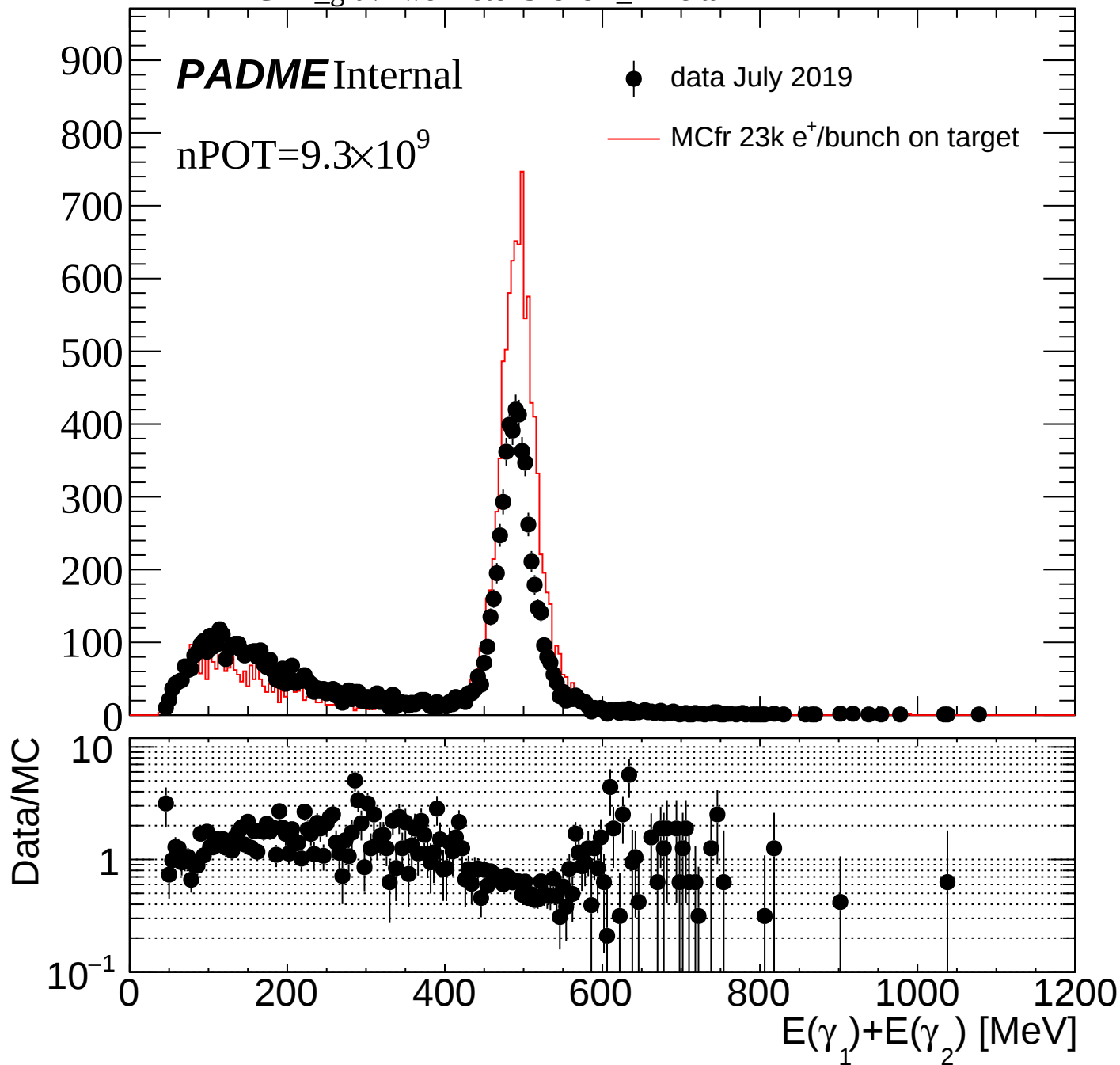


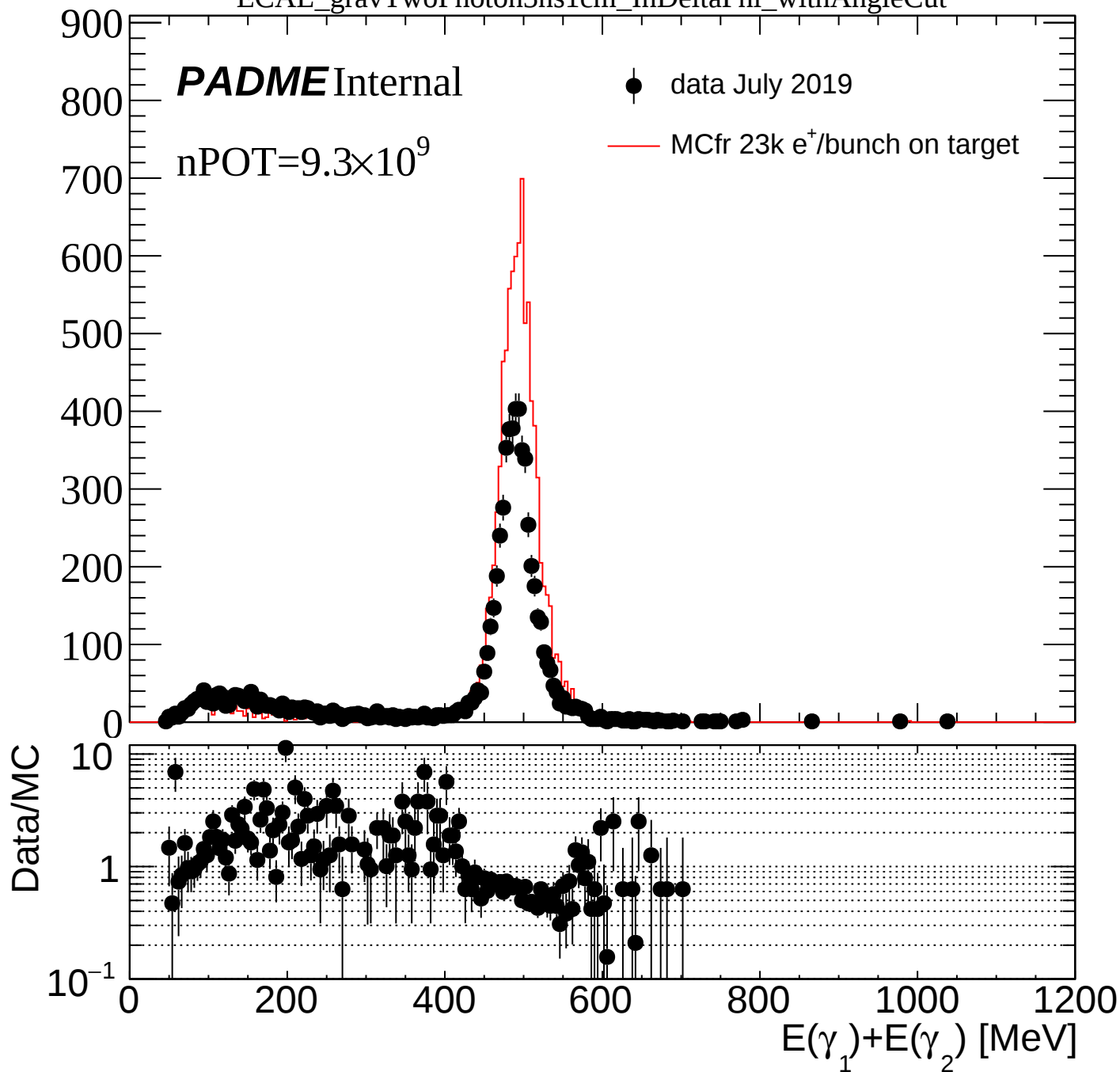


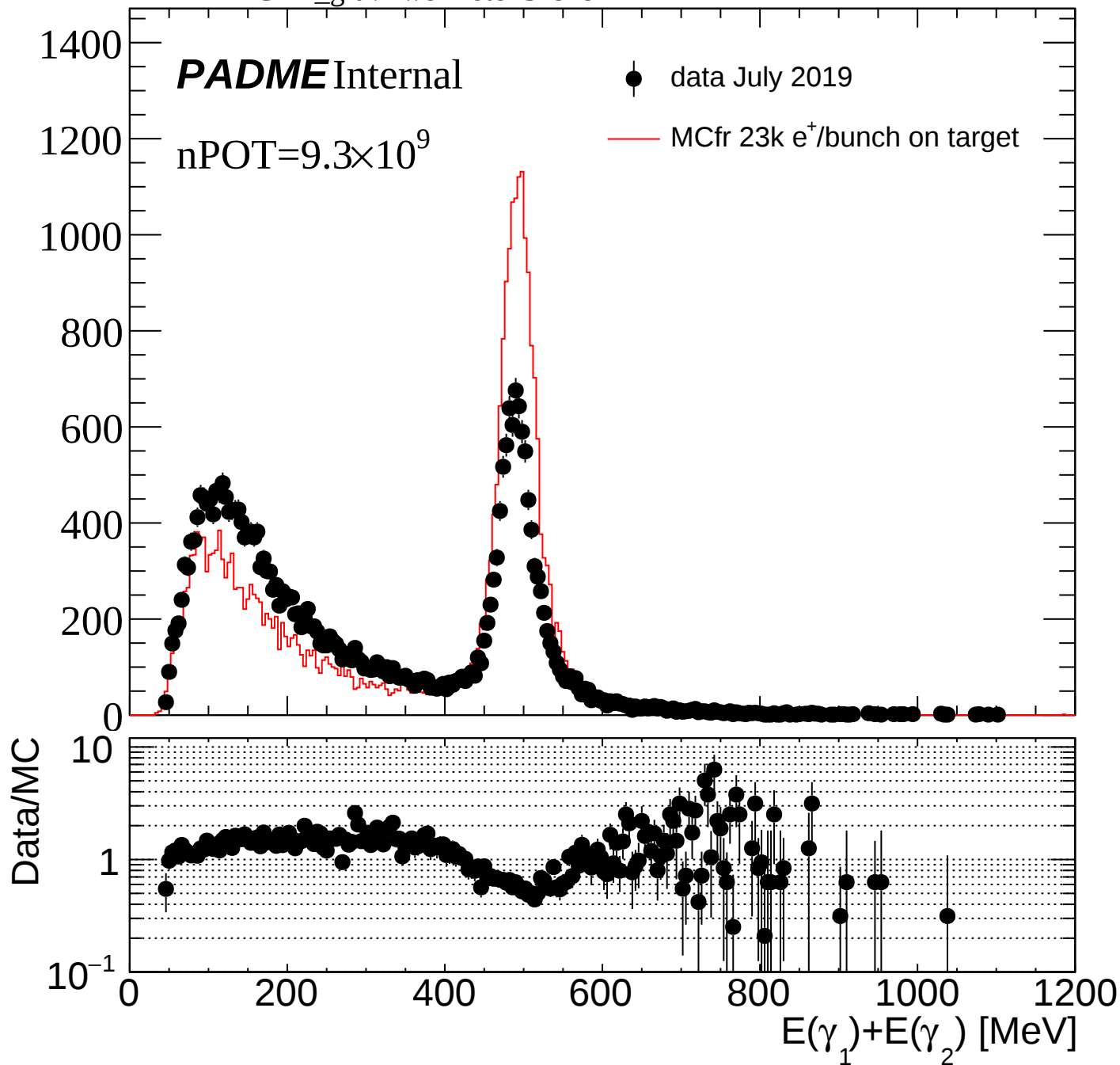




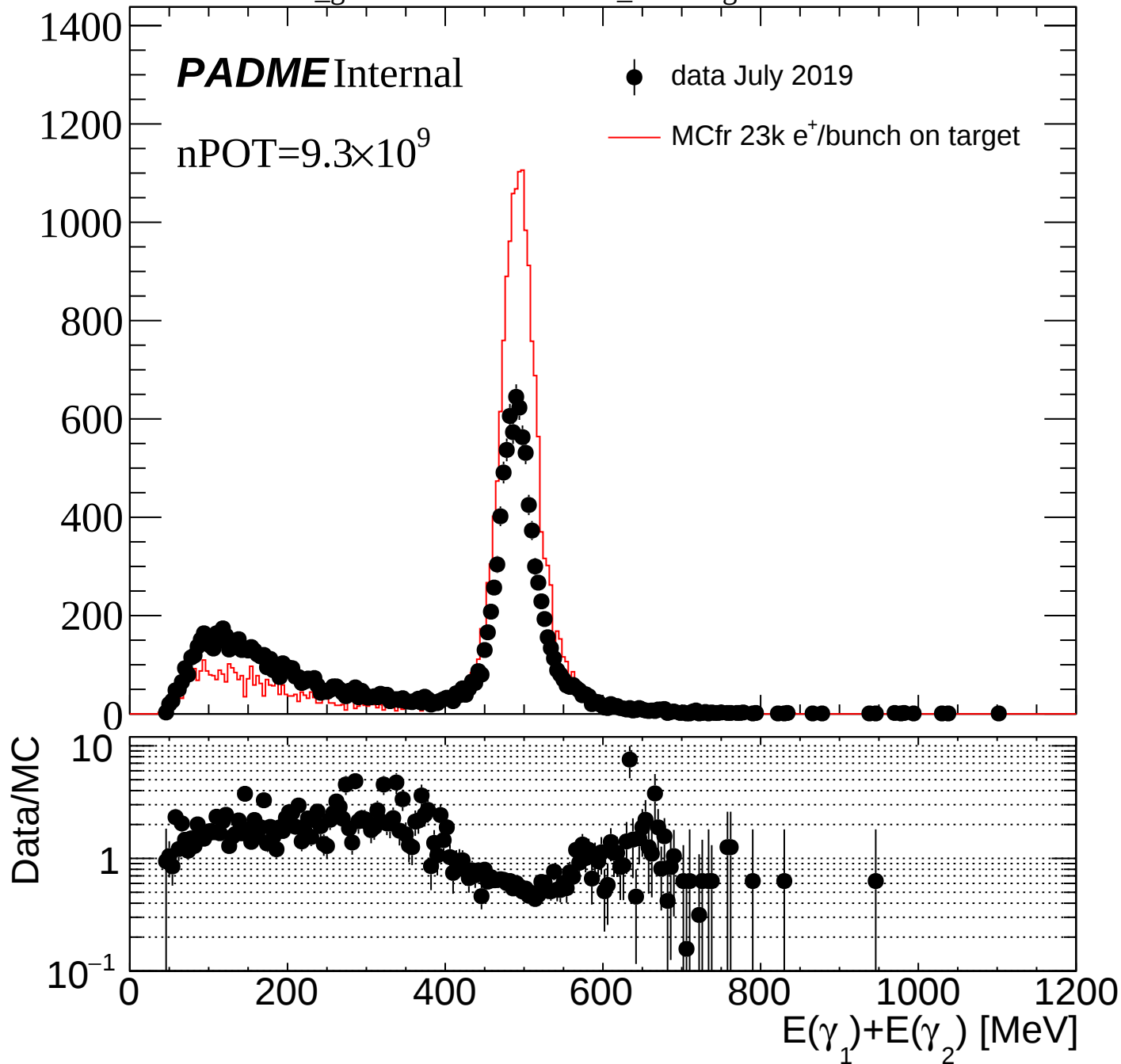


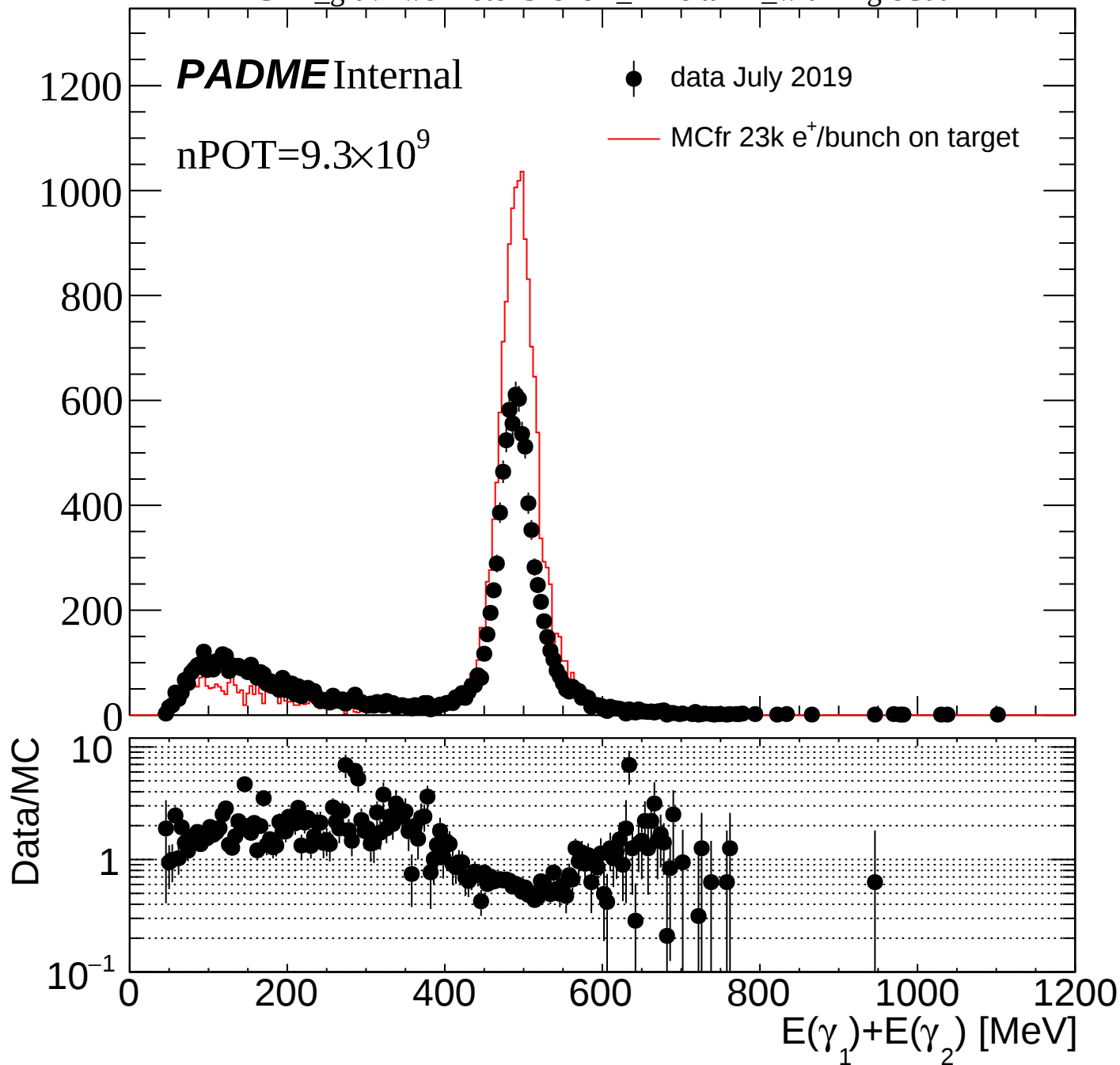




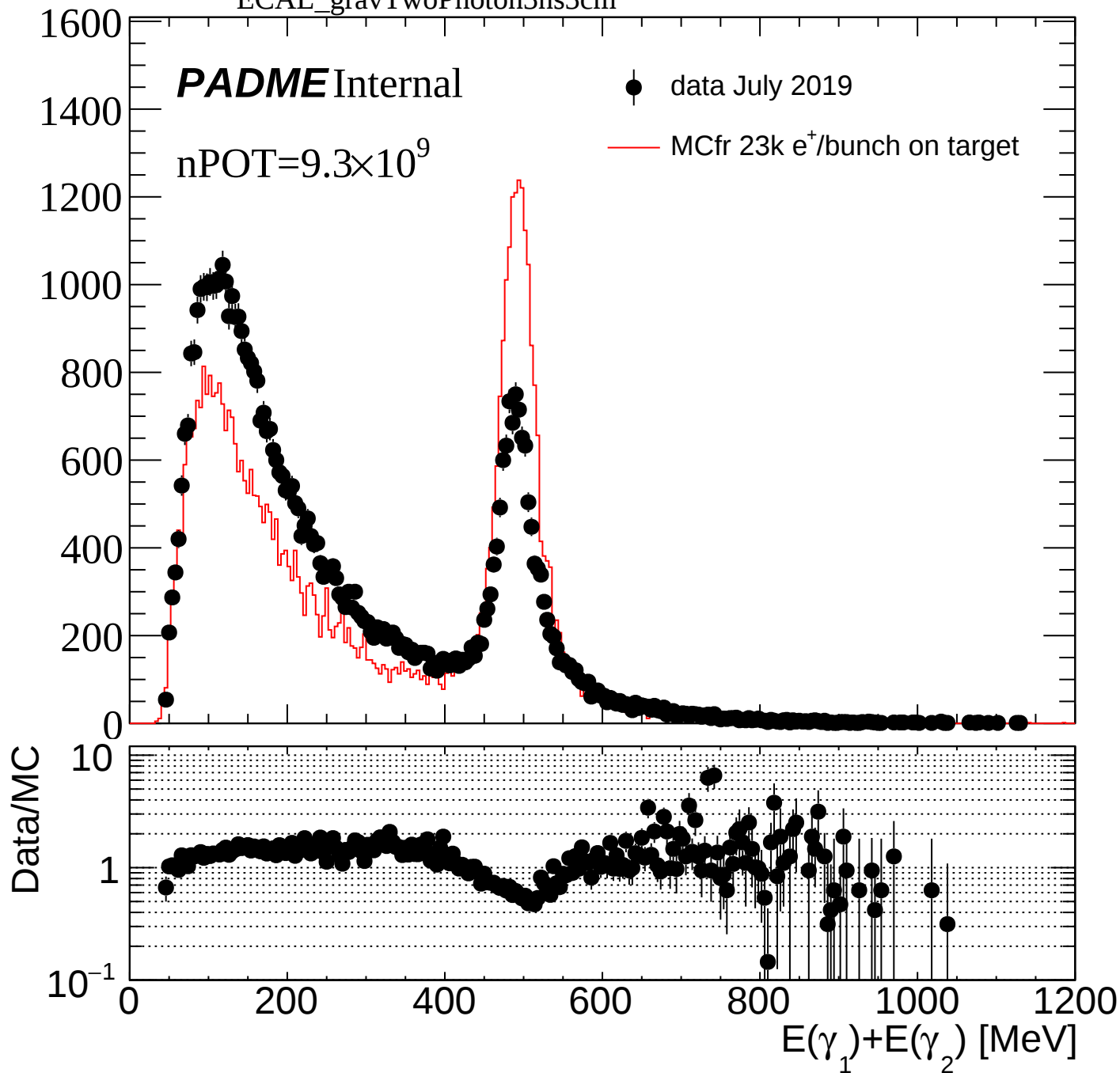


ECAL_gravTwoPhoton3ns2cm_withAngleCut

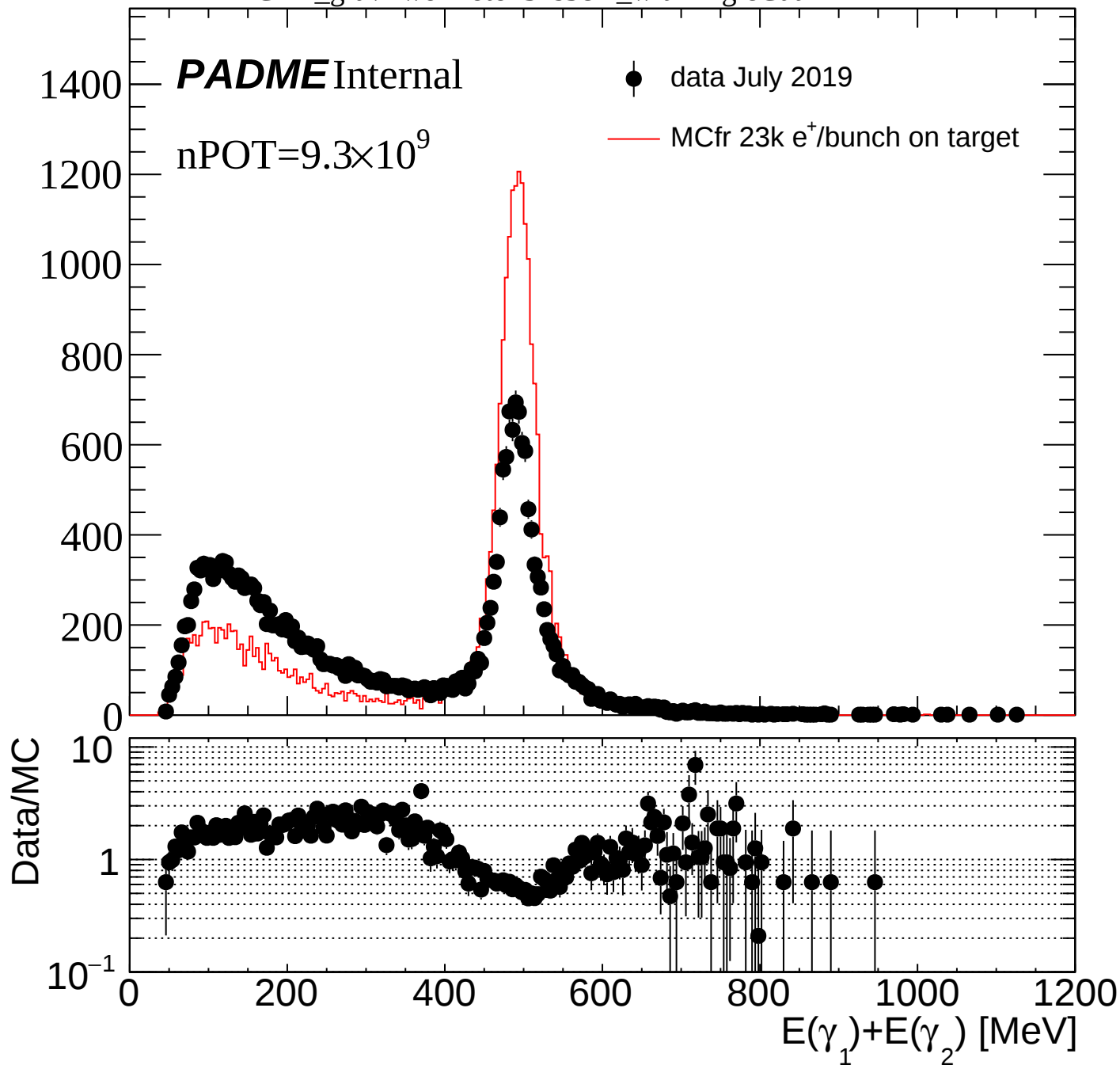


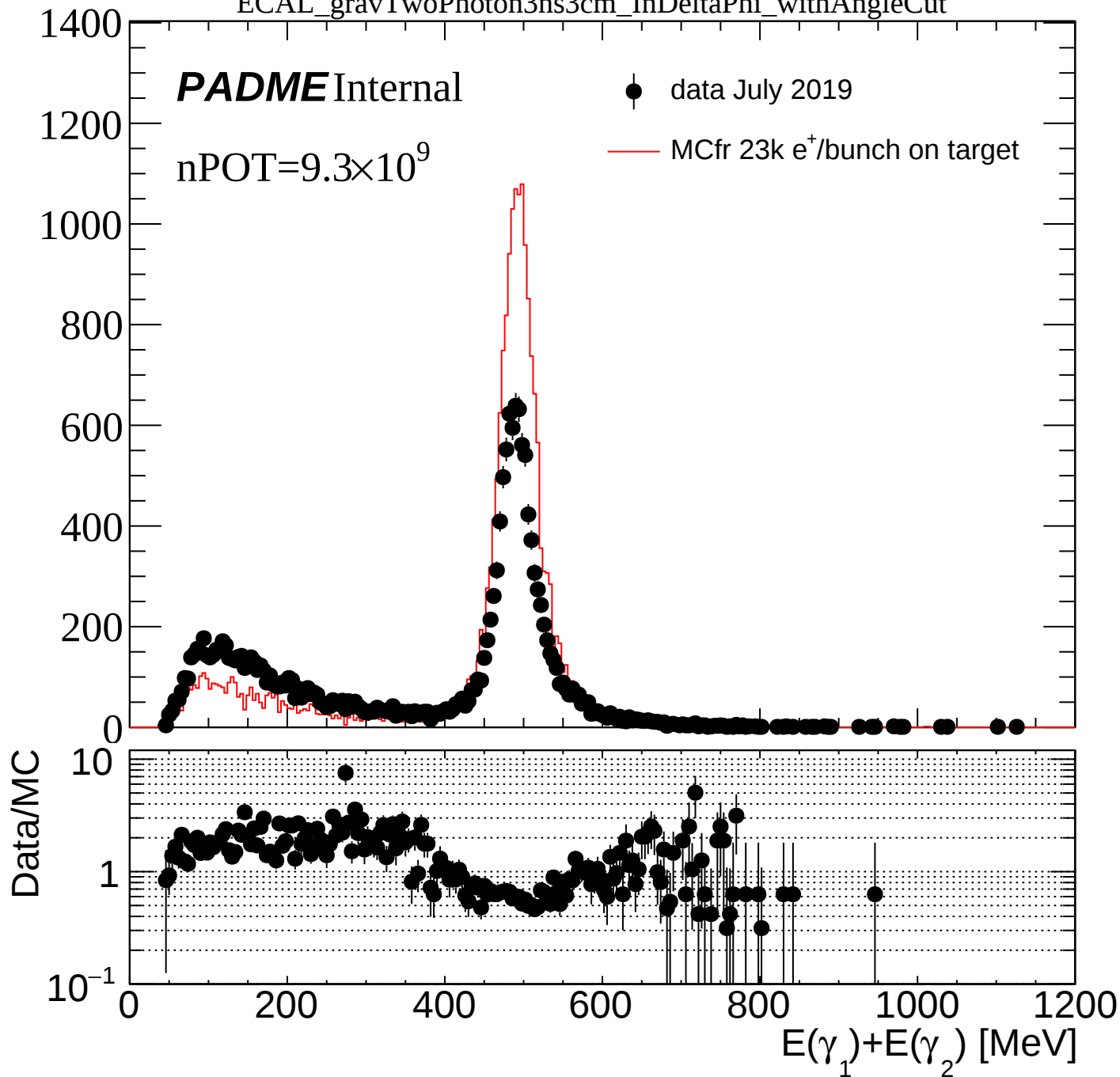


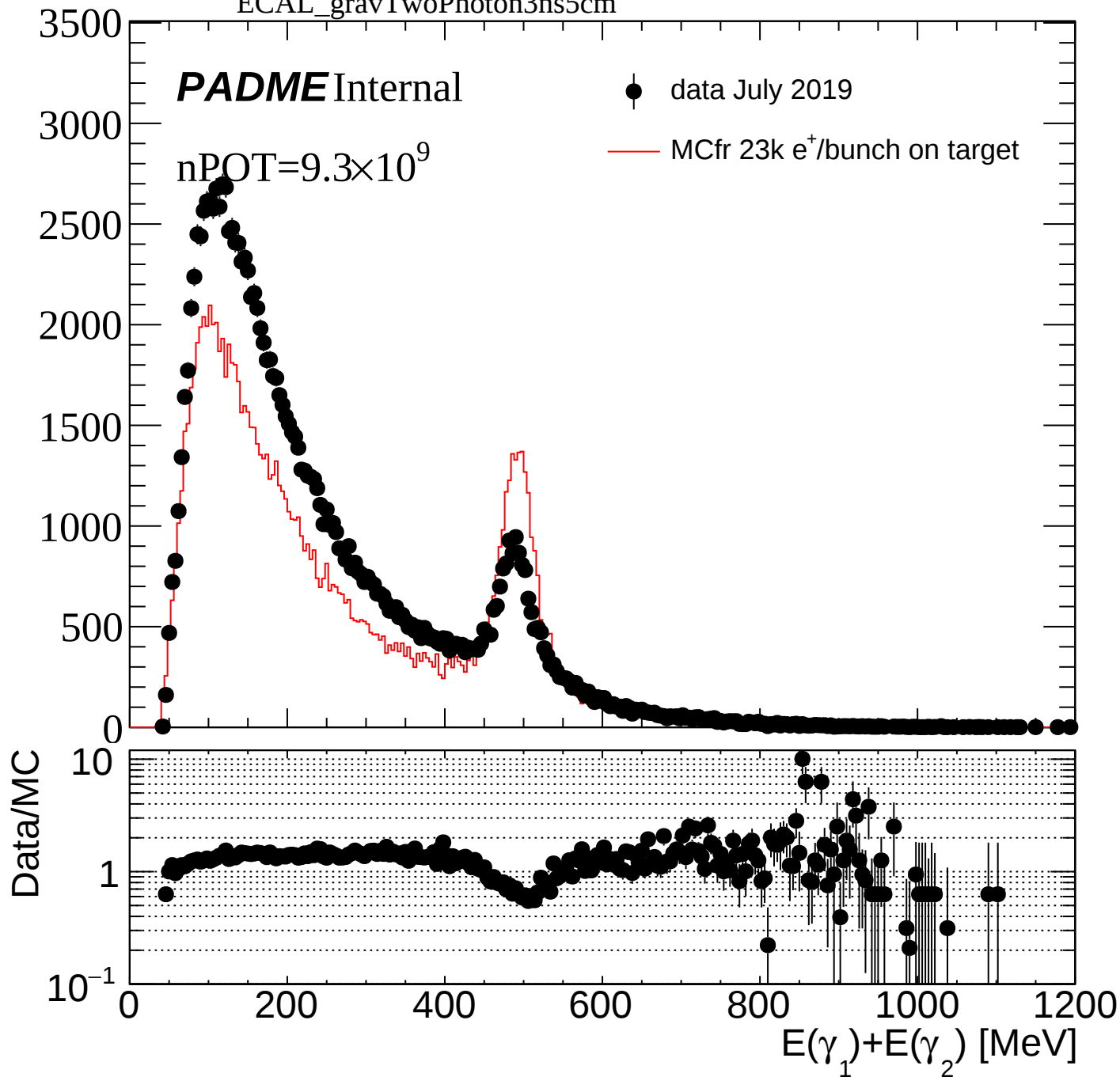
ECAL_gravTwoPhoton3ns3cm

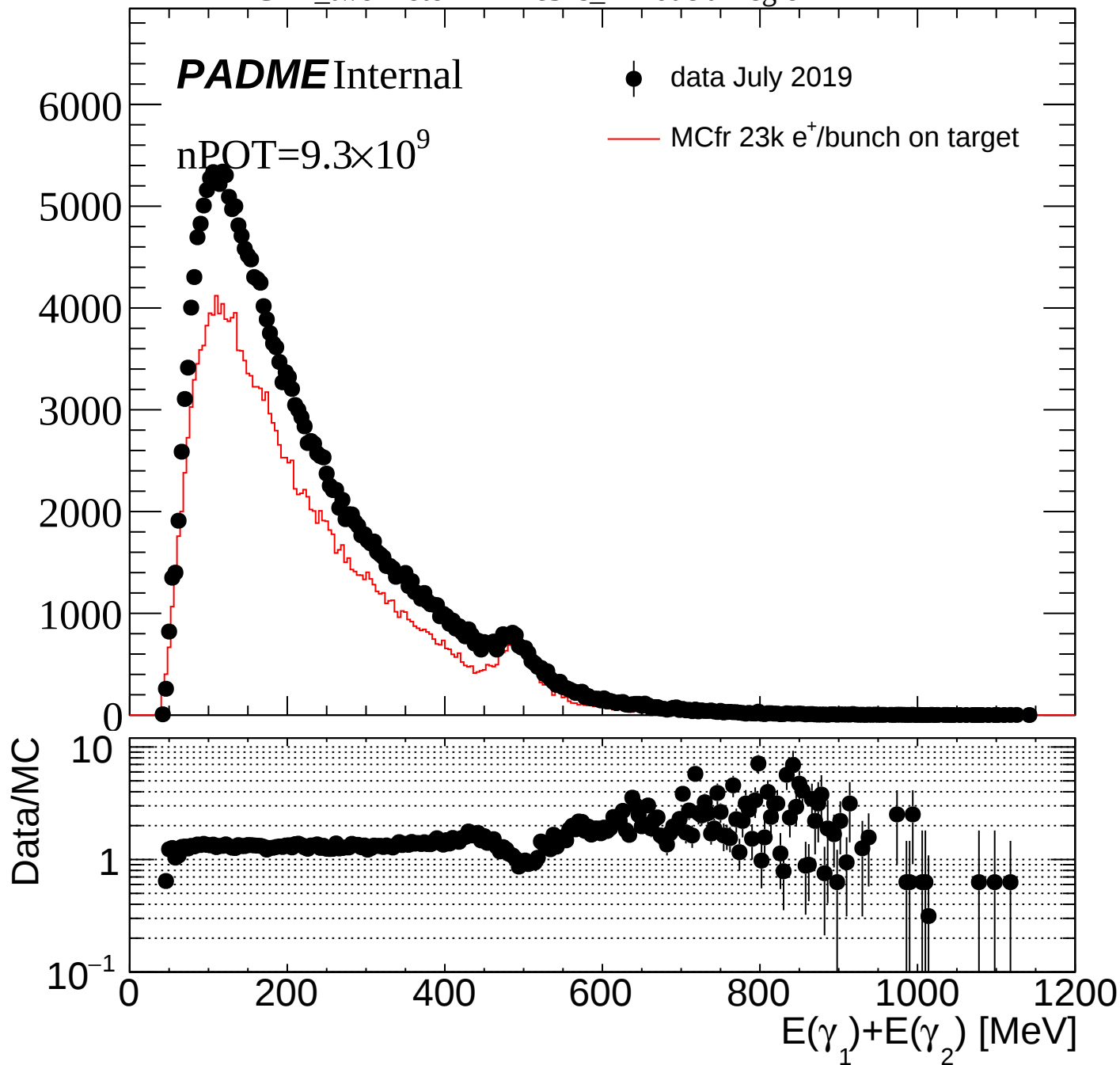


ECAL_gravTwoPhoton3ns3cm_withAngleCut

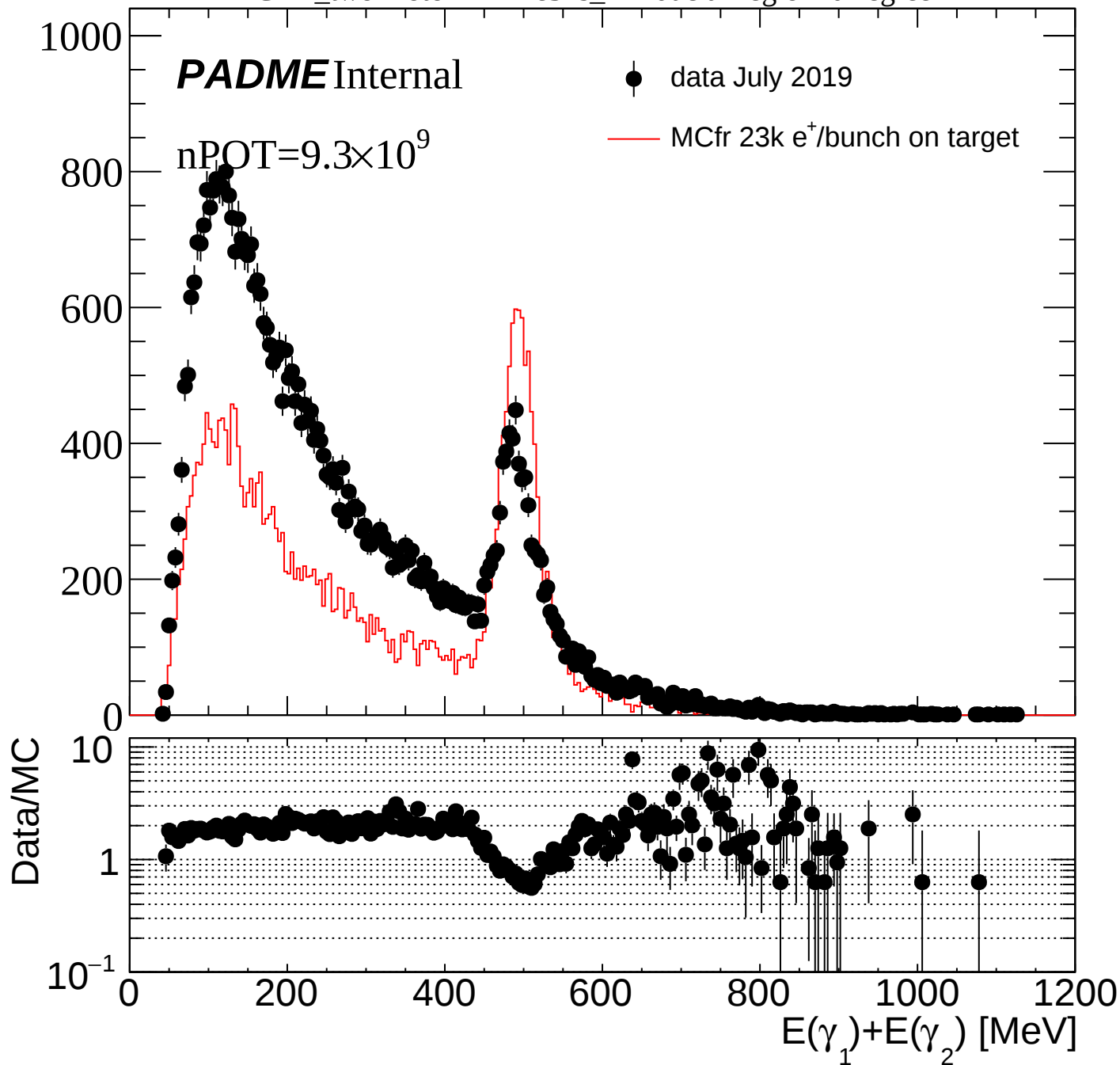


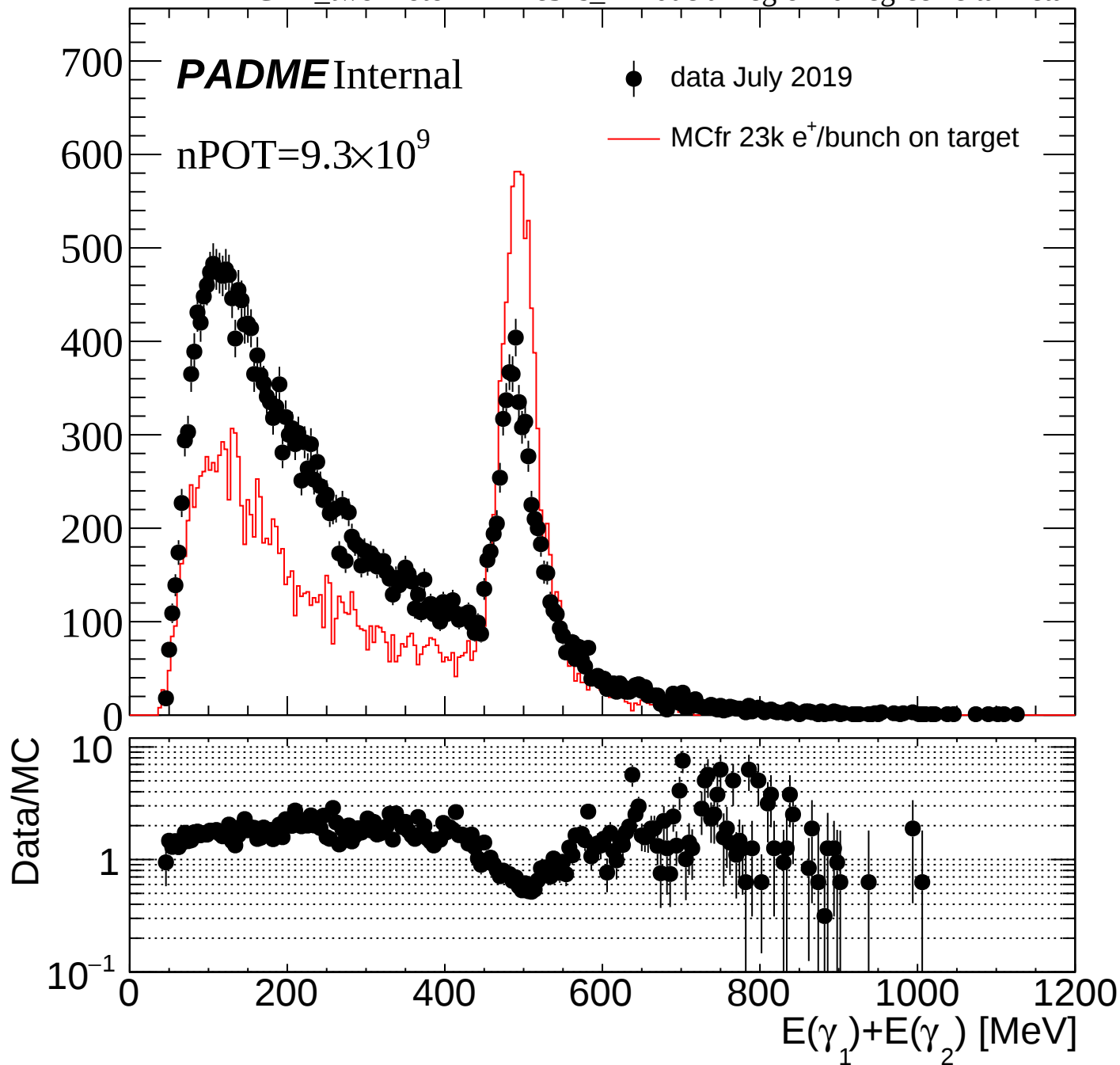


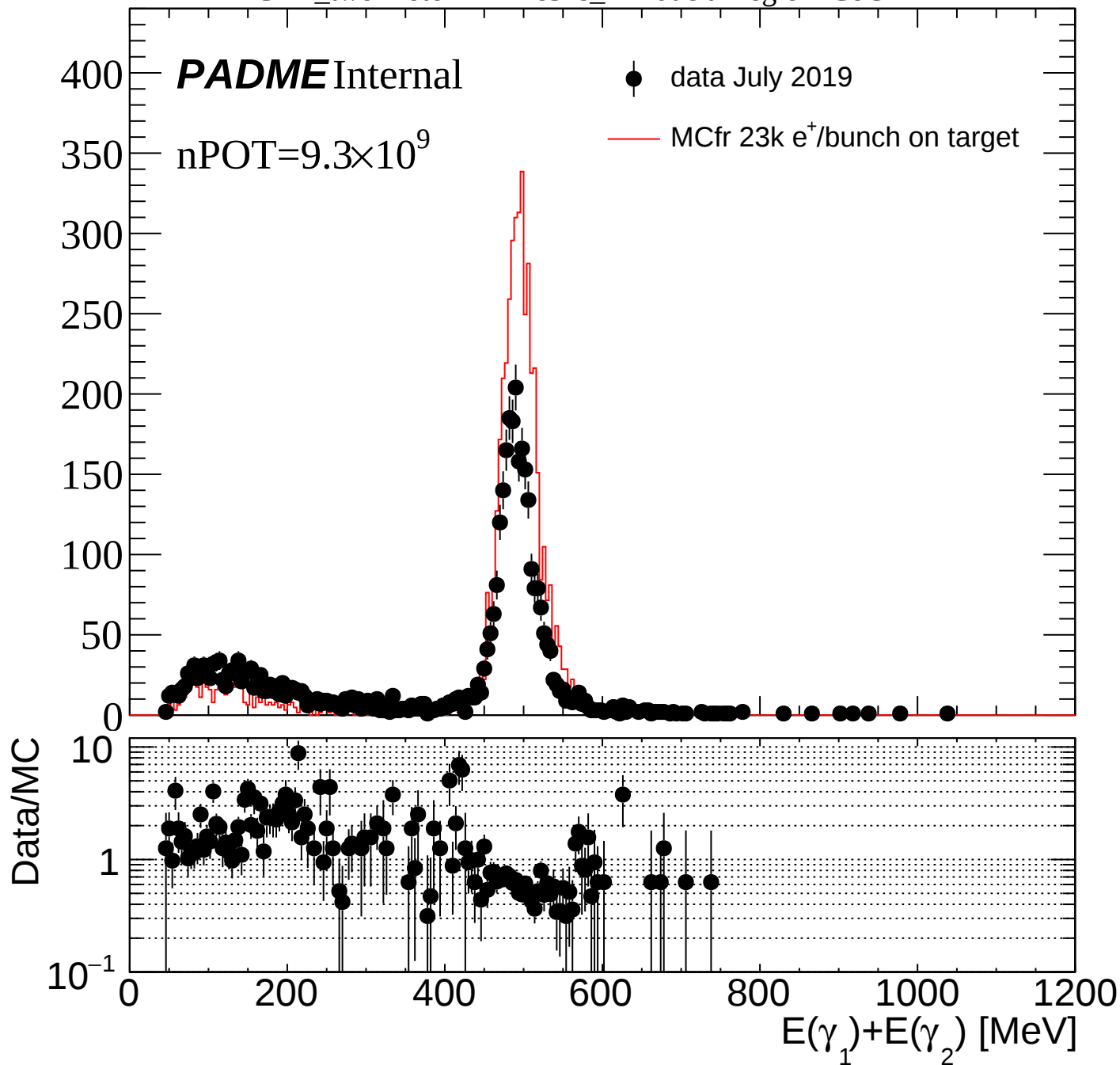




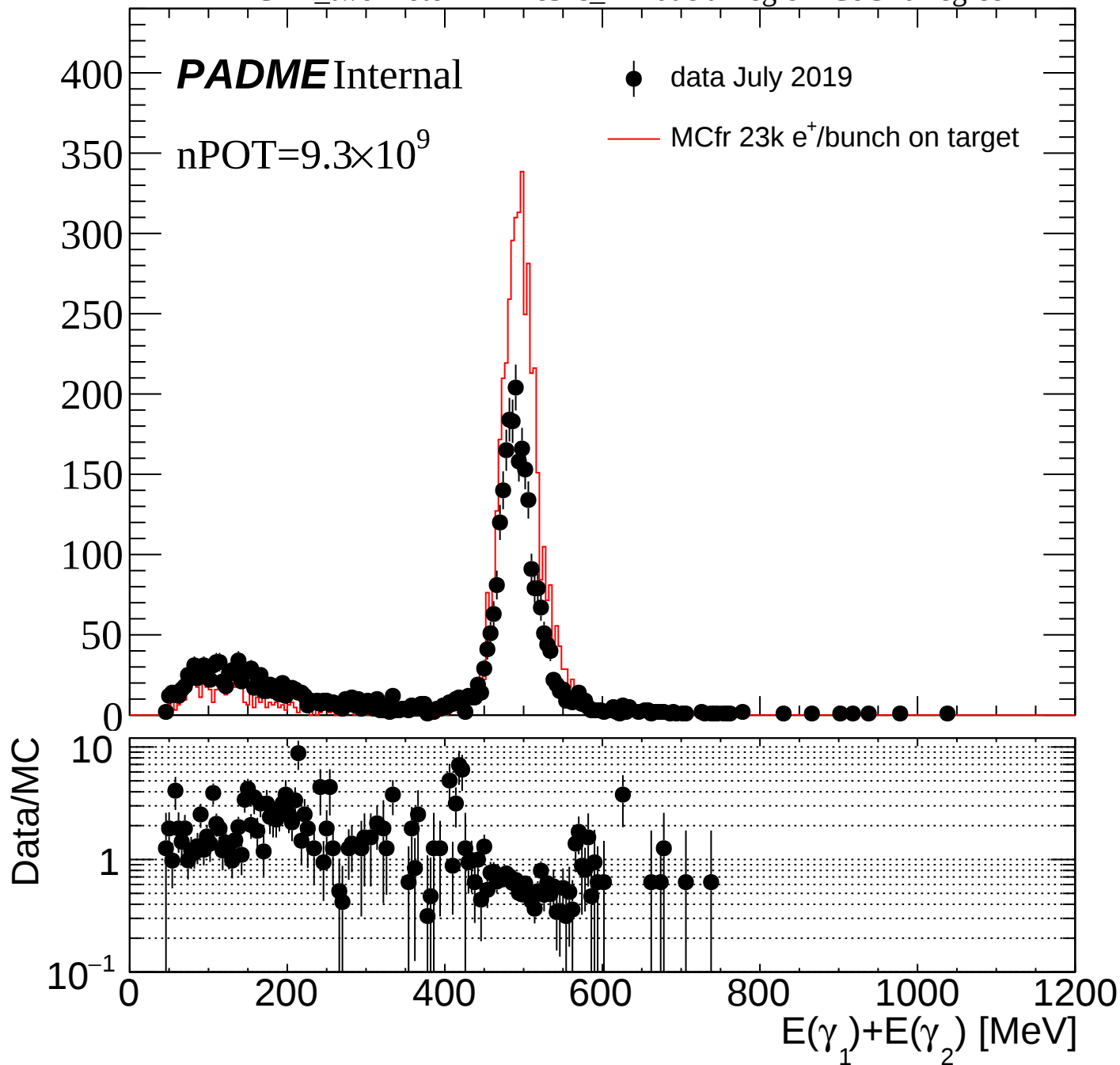
ECAL_twoPhotonInTime3ns_InFiducialRegion20Degree

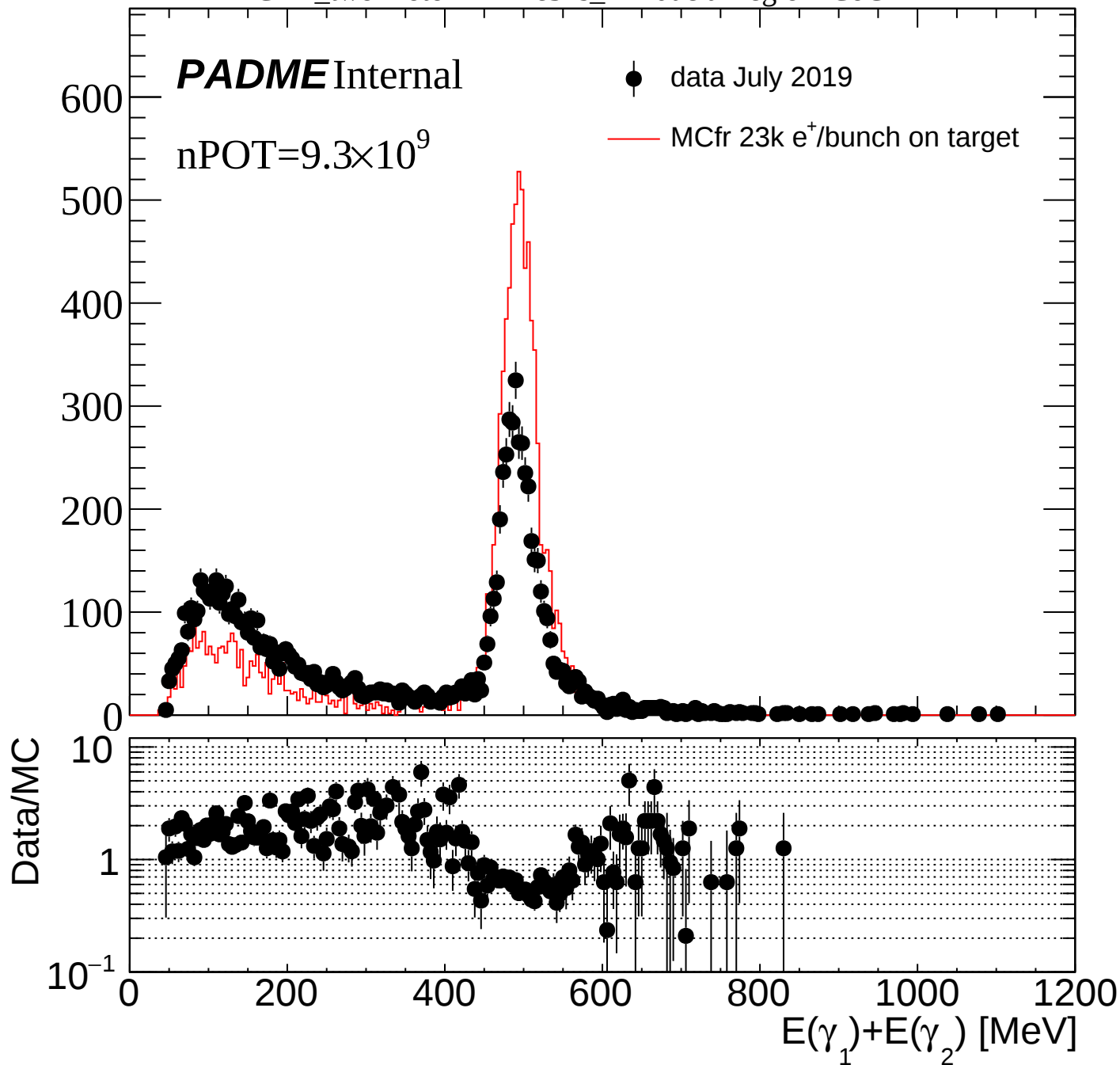


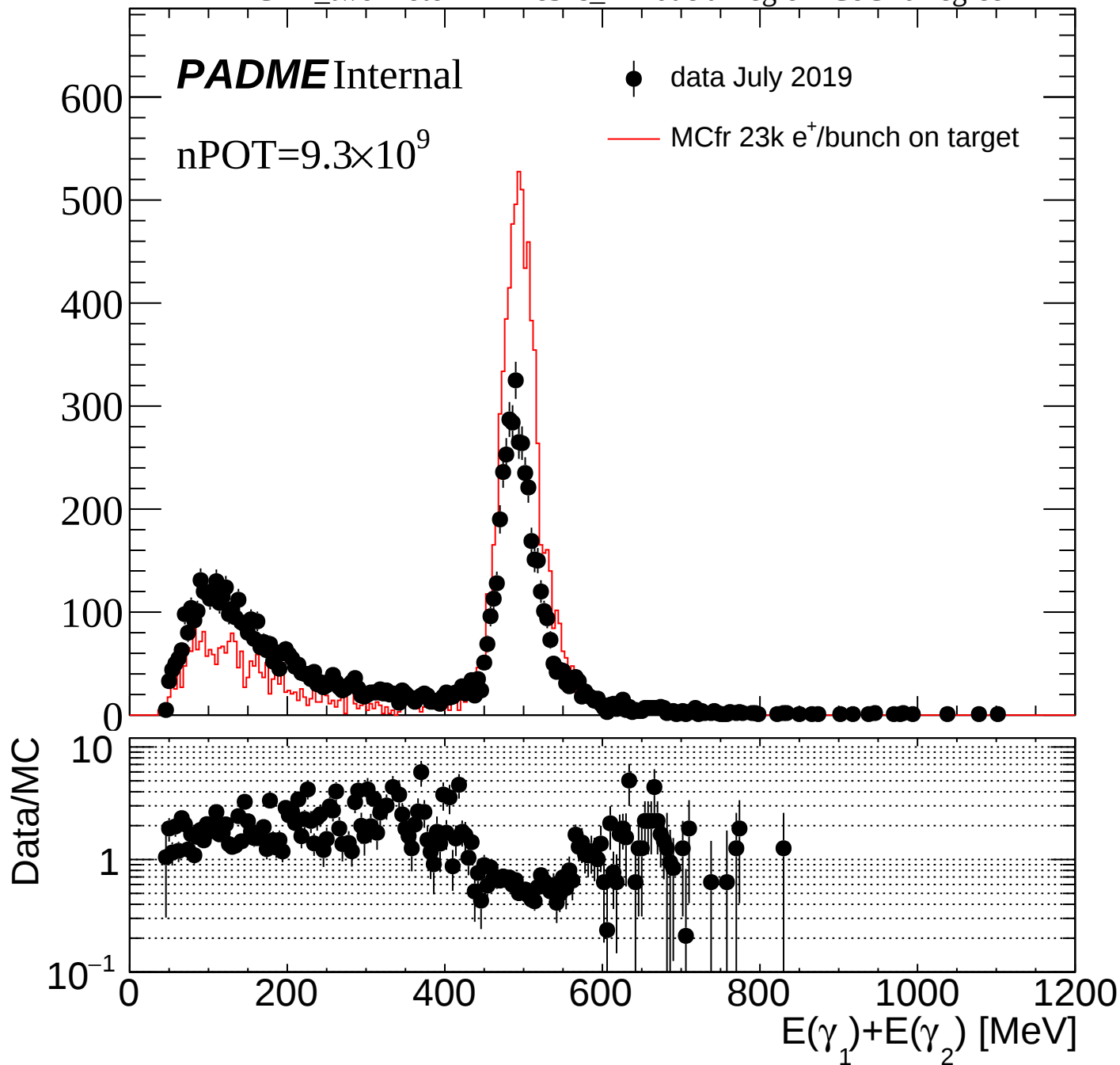


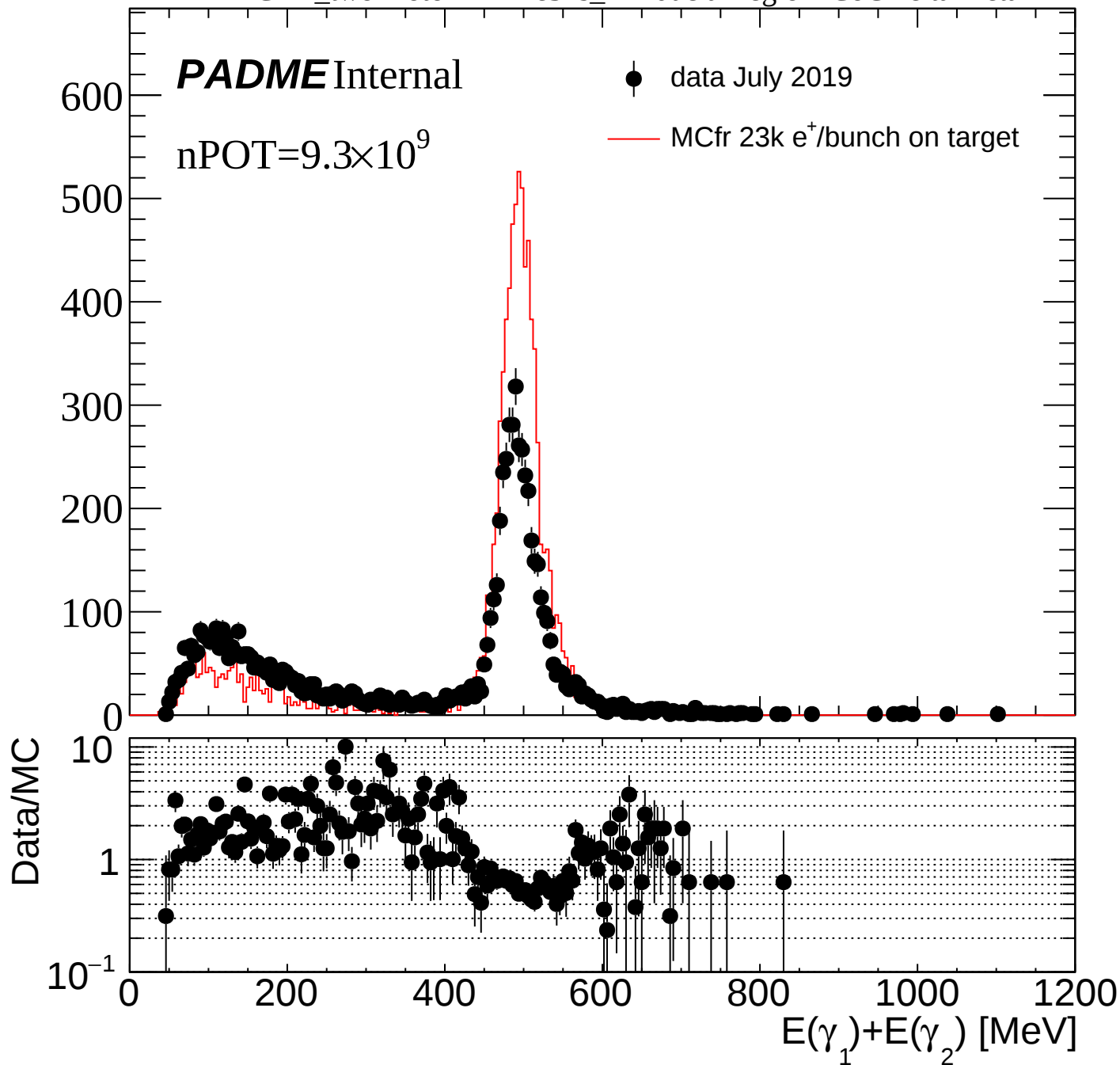


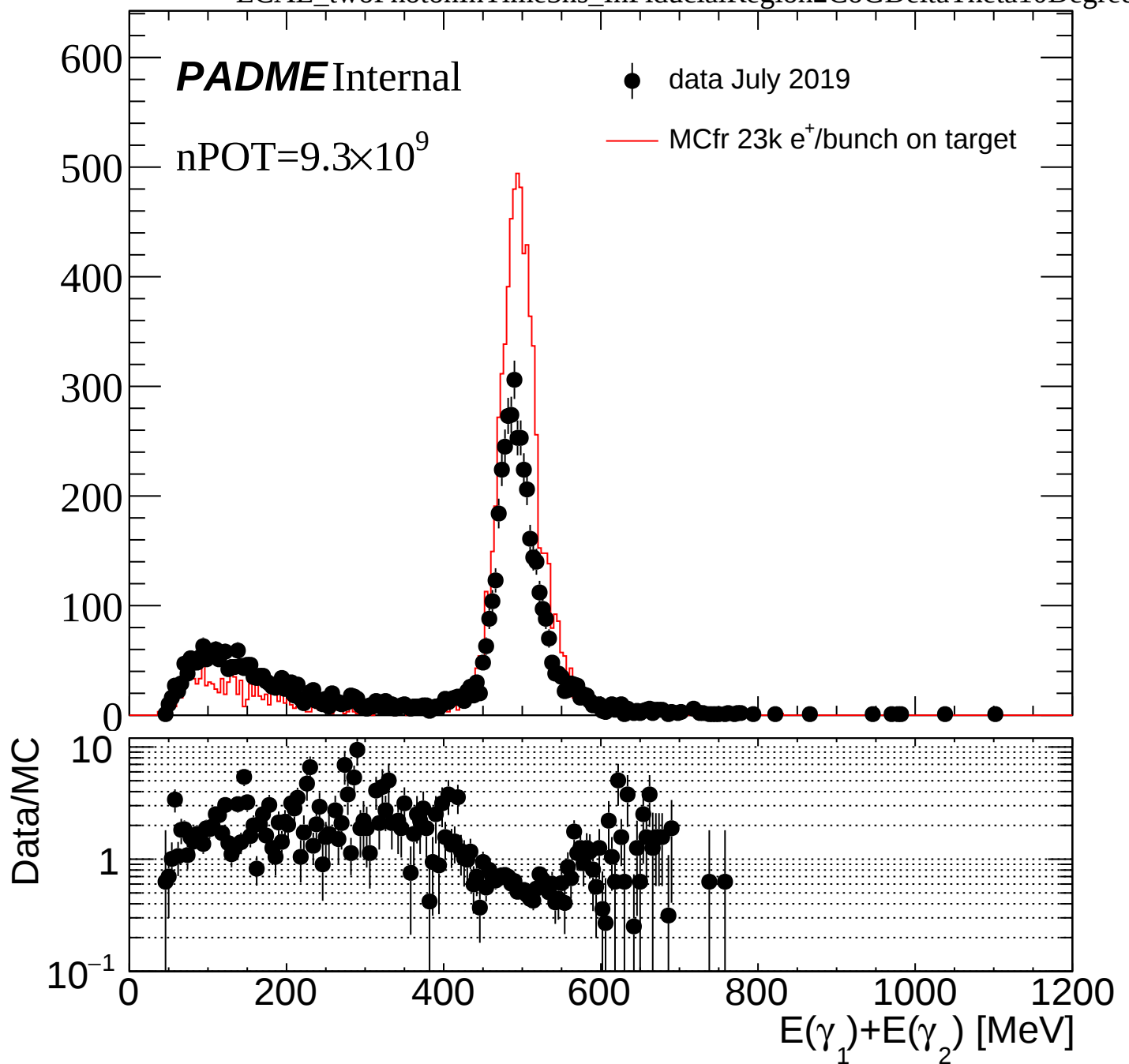
ECAL_twoPhotonInTime3ns_InFiducialRegion1CoG10Degree

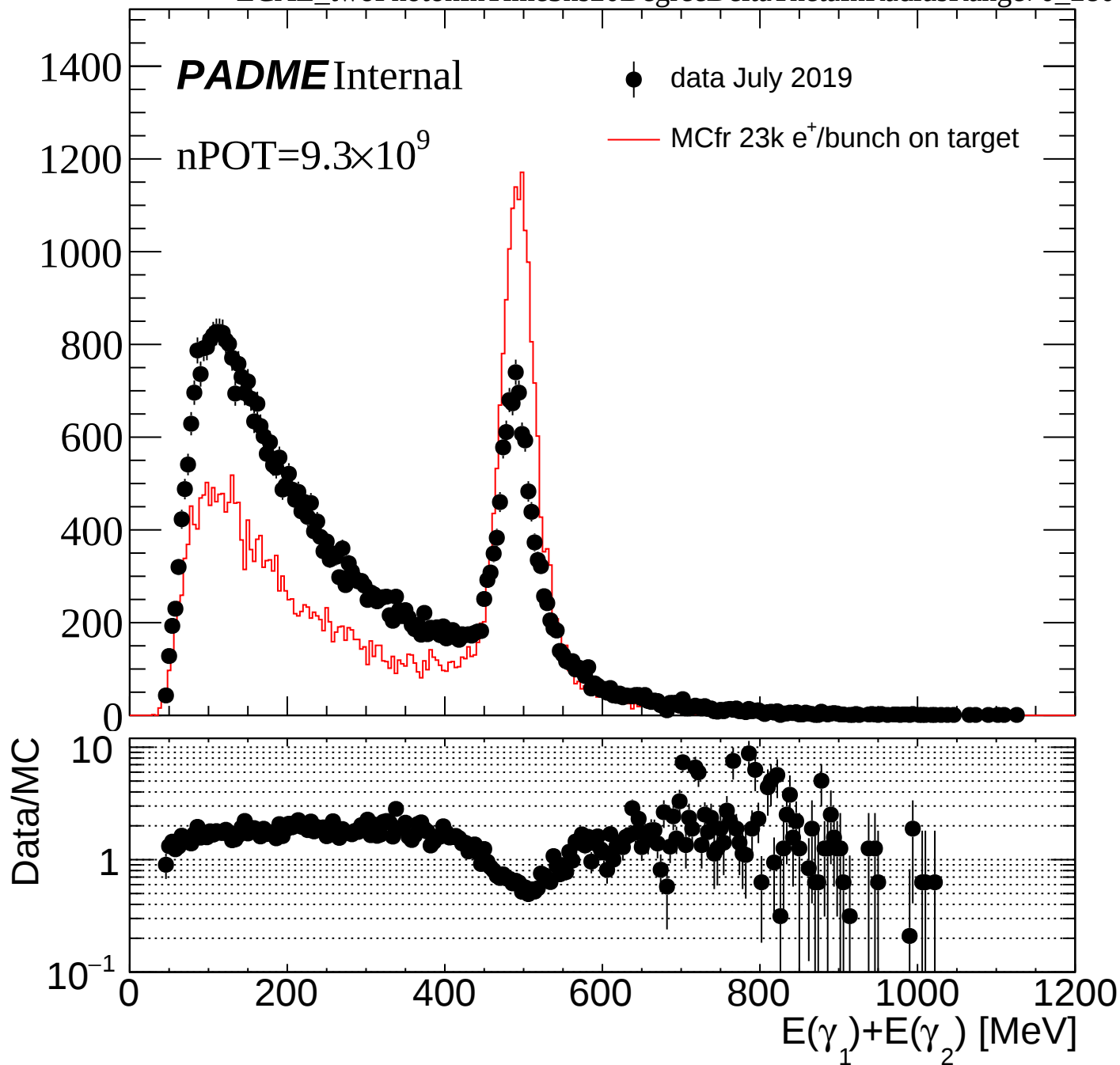


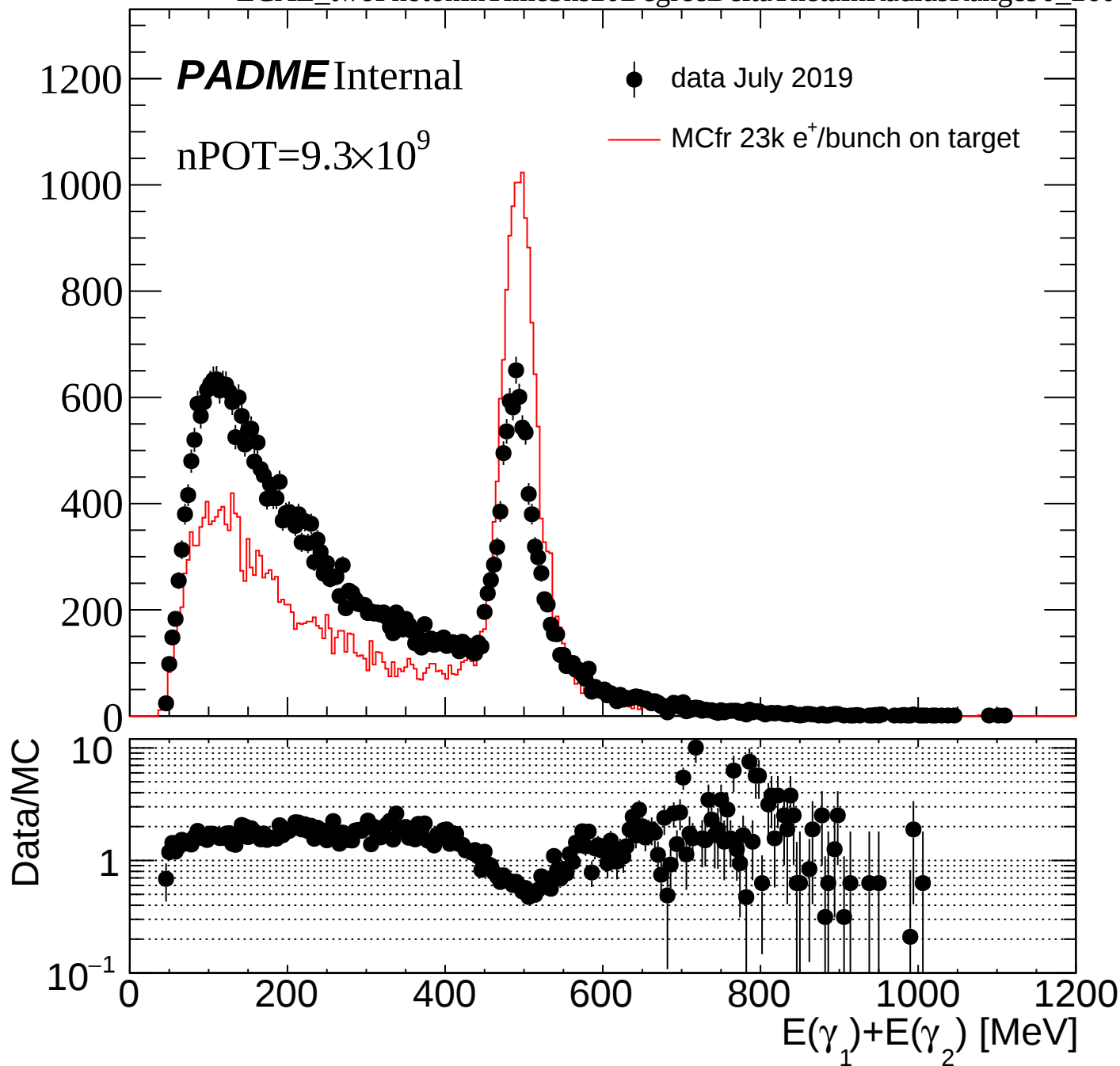


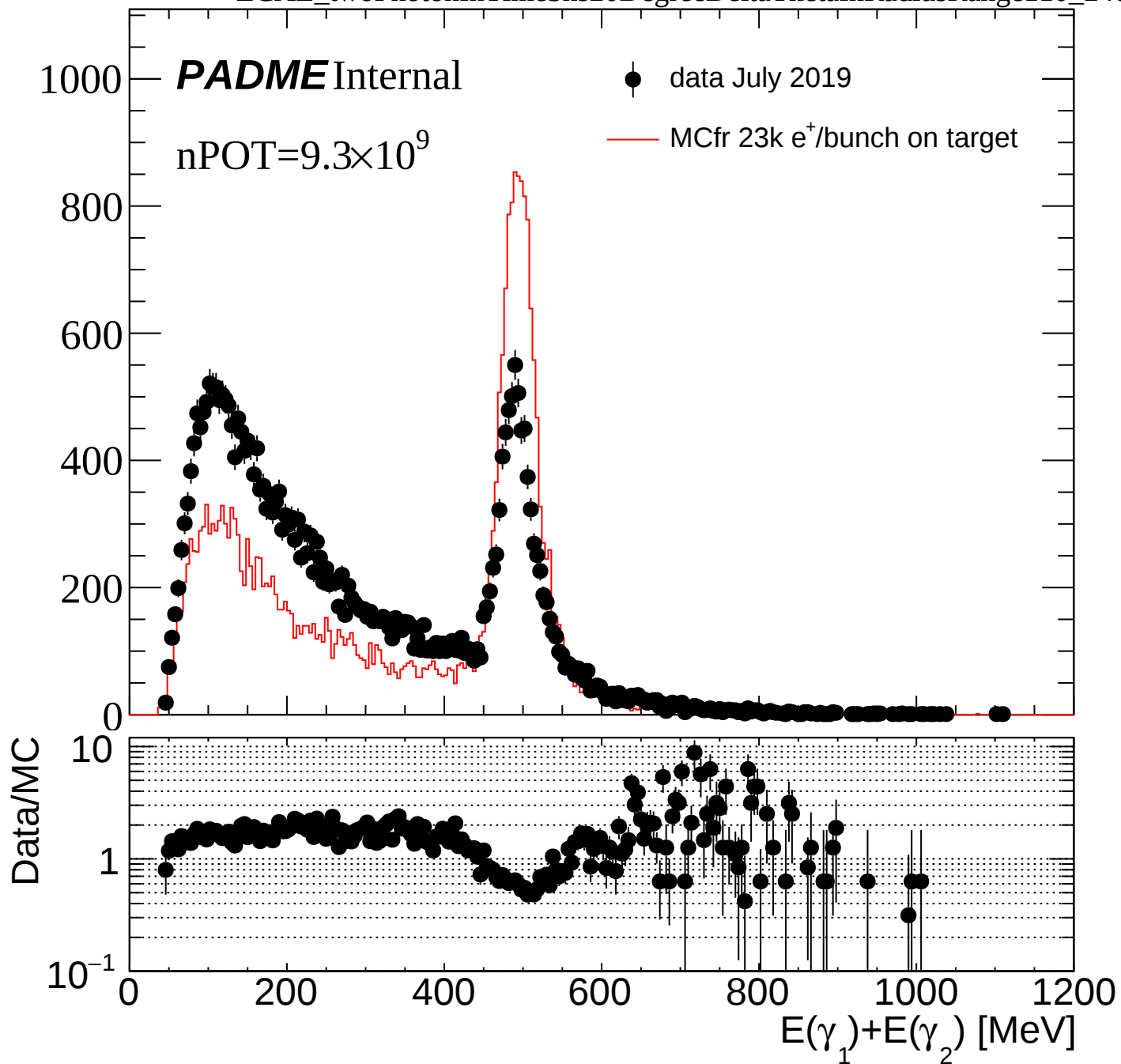


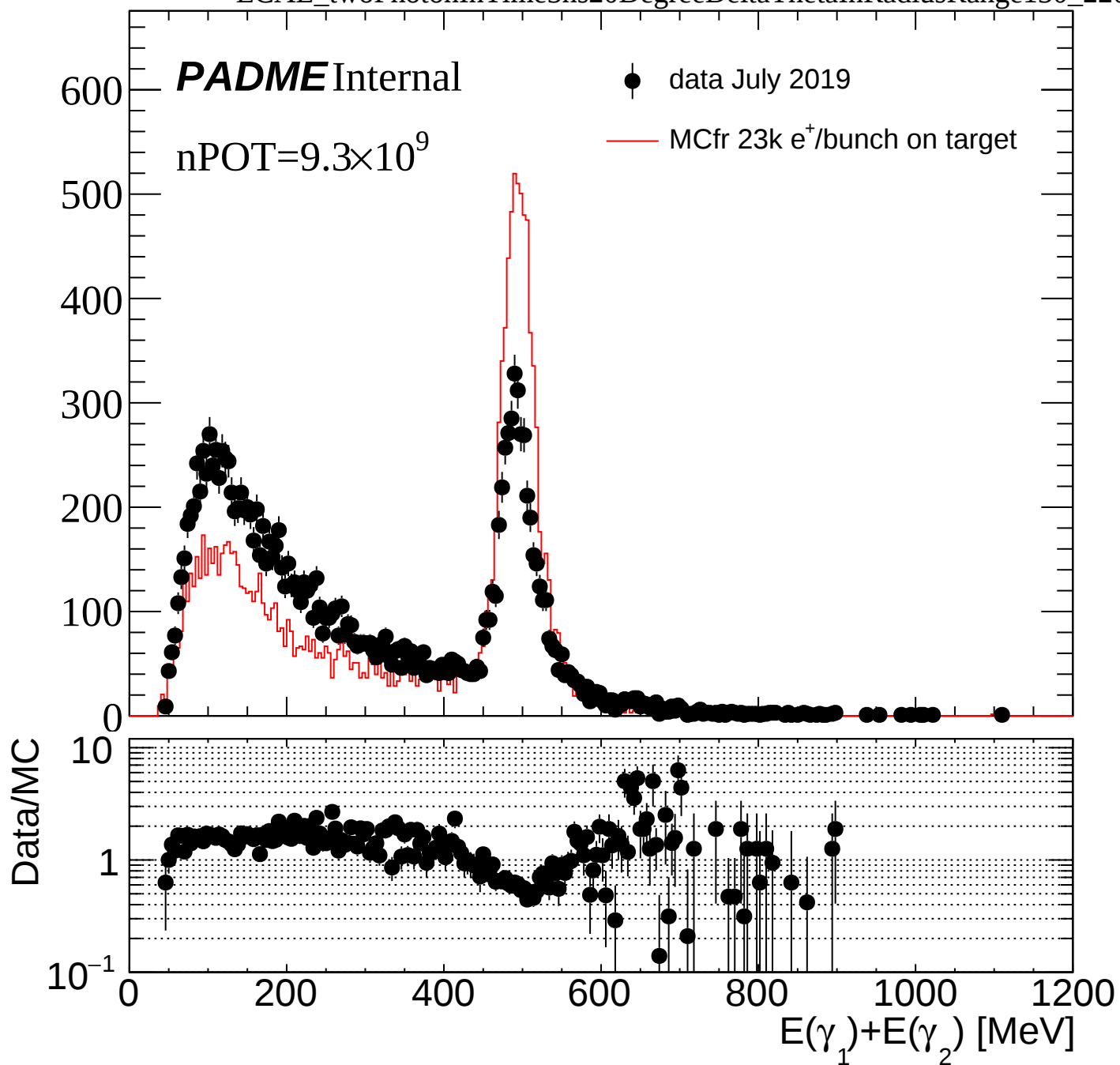


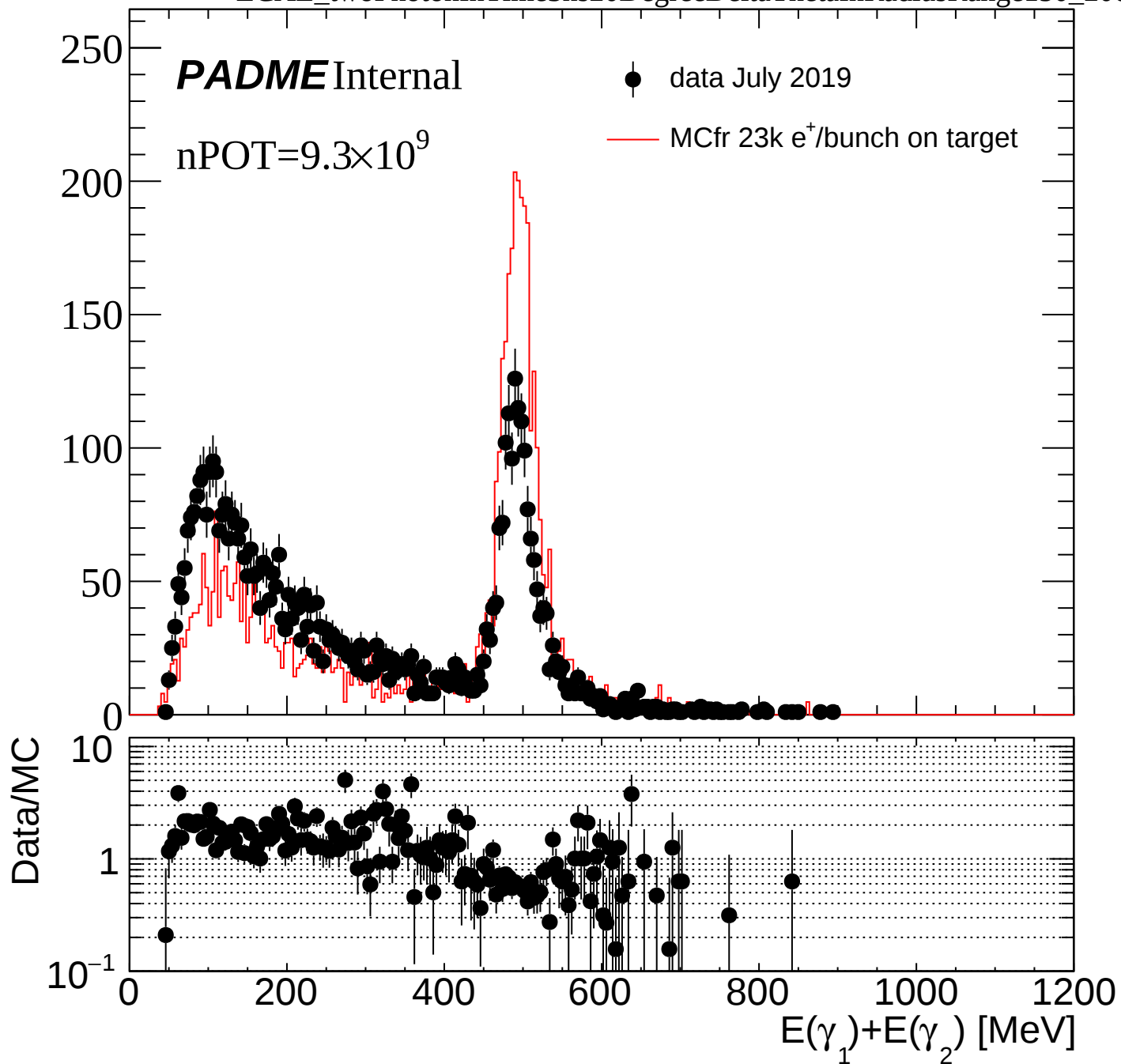


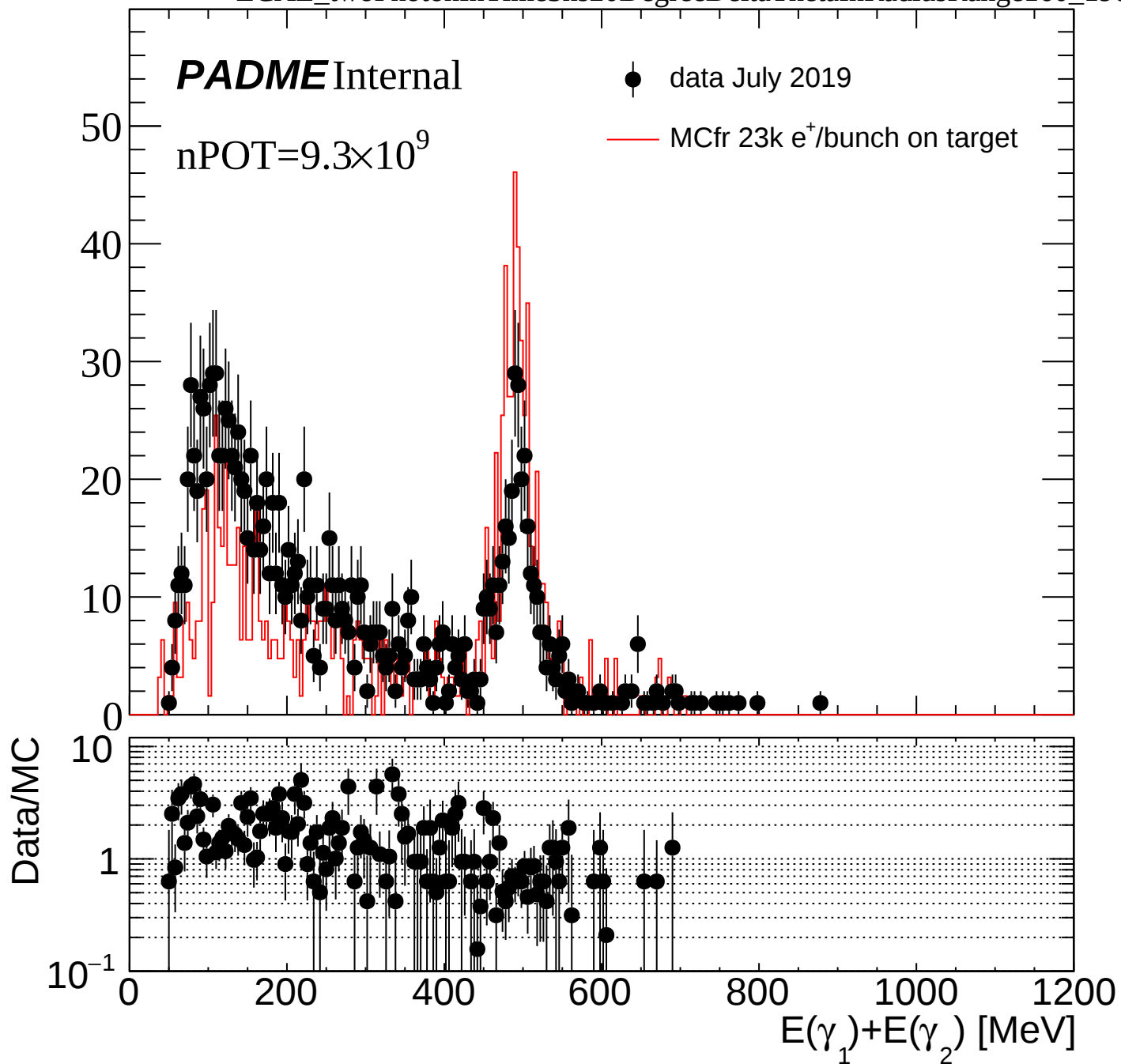




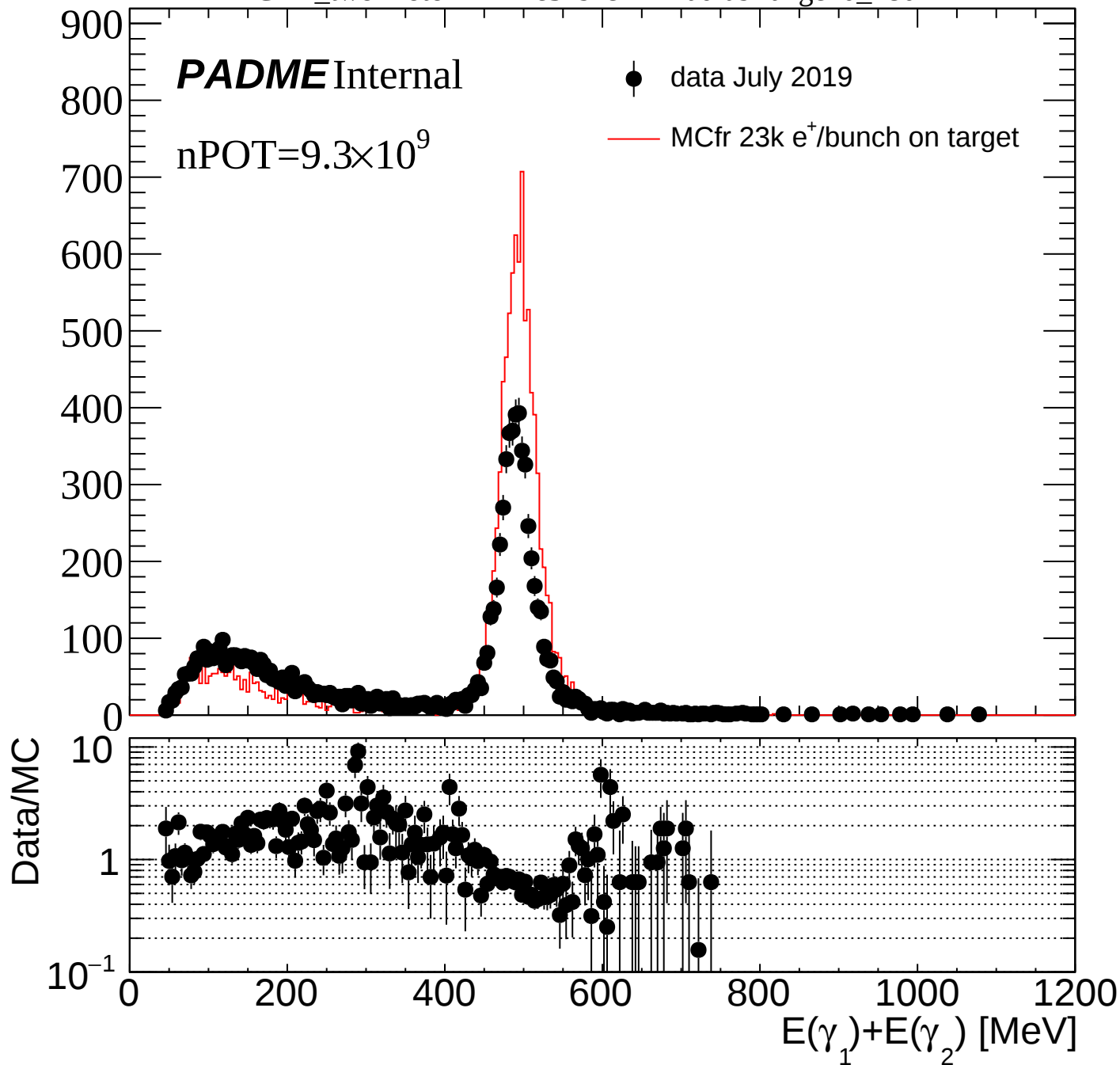




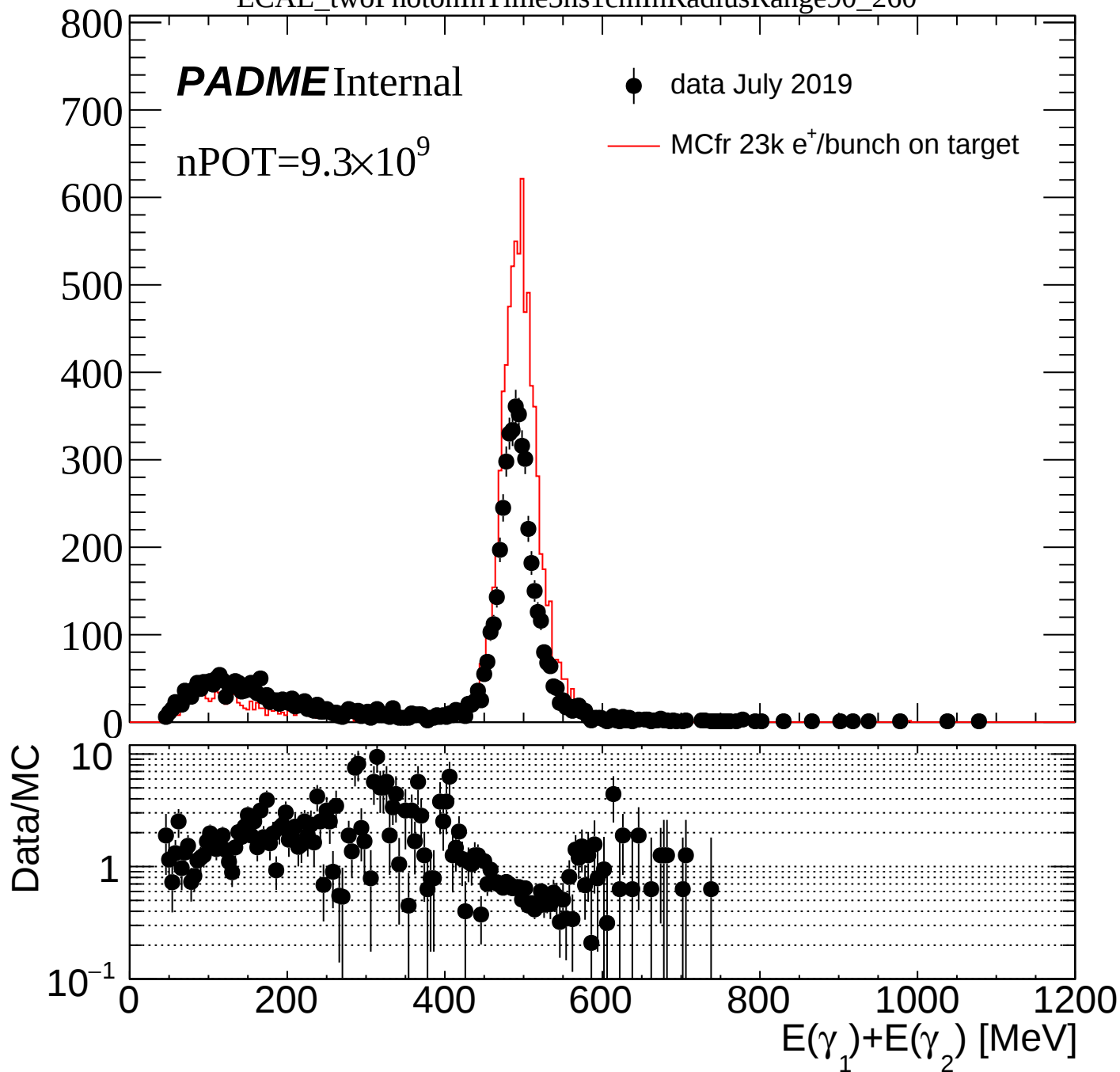


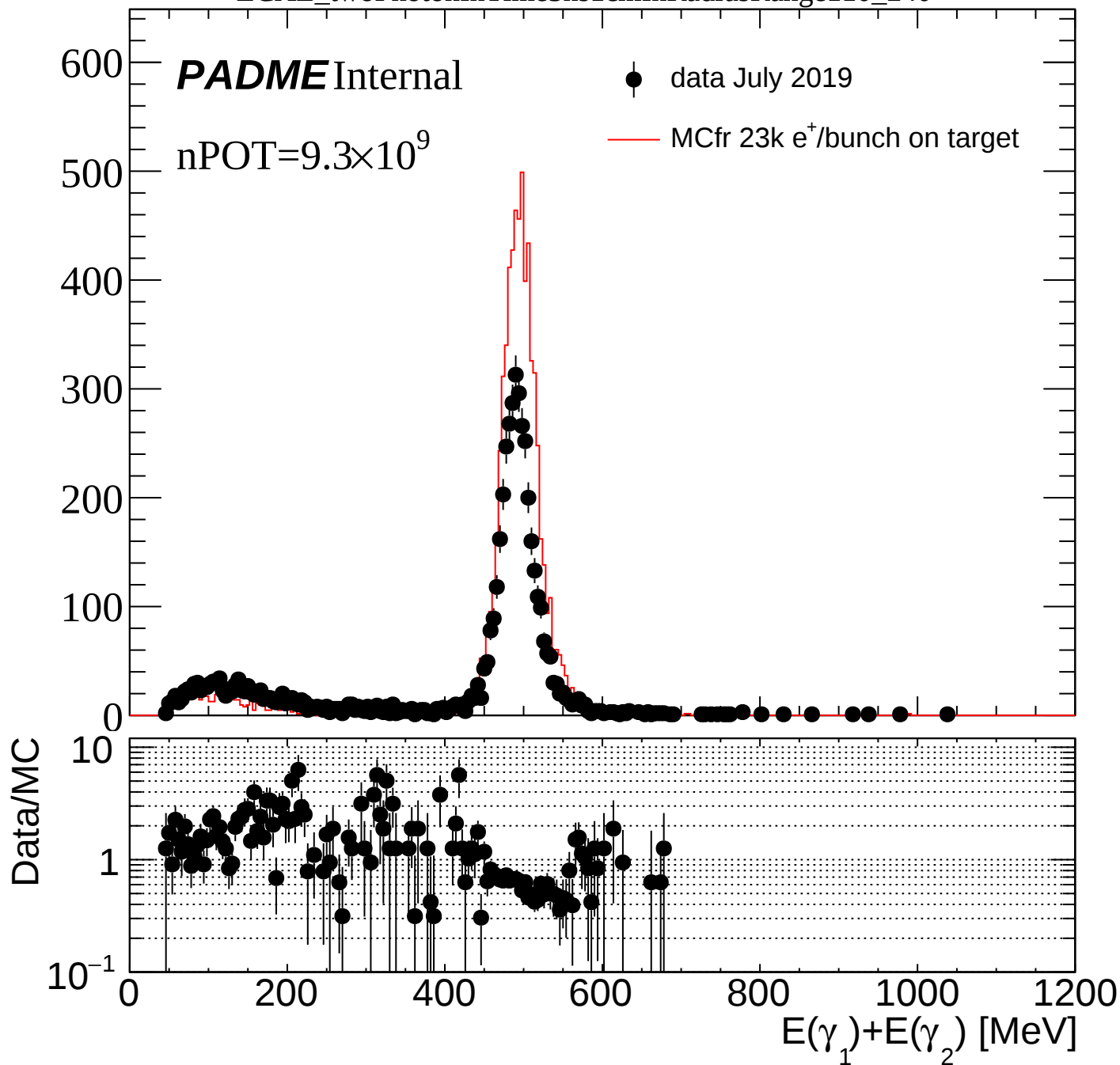


ECAL_twoPhotonInTime3ns1cmInRadiusRange70_280

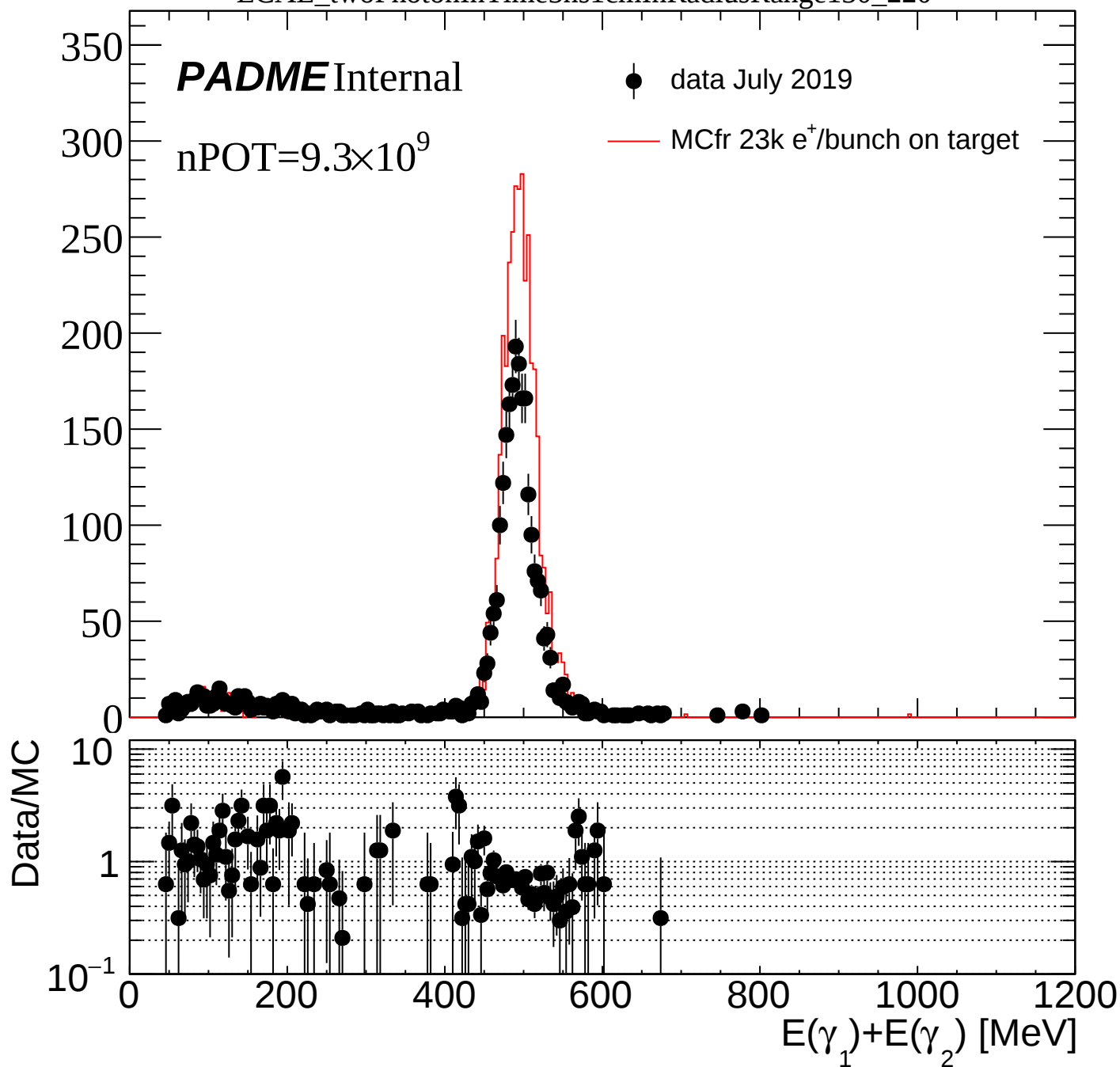


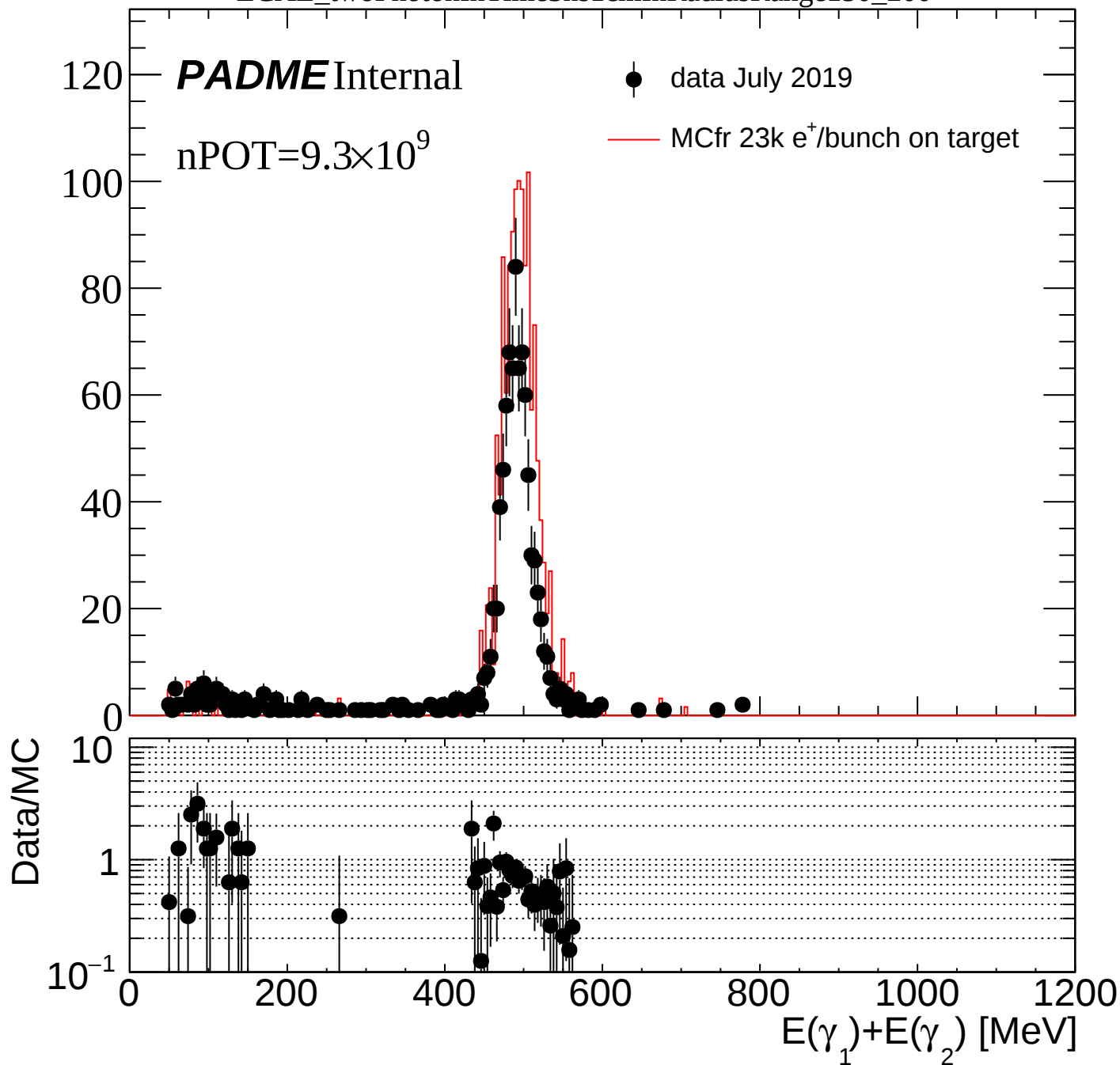
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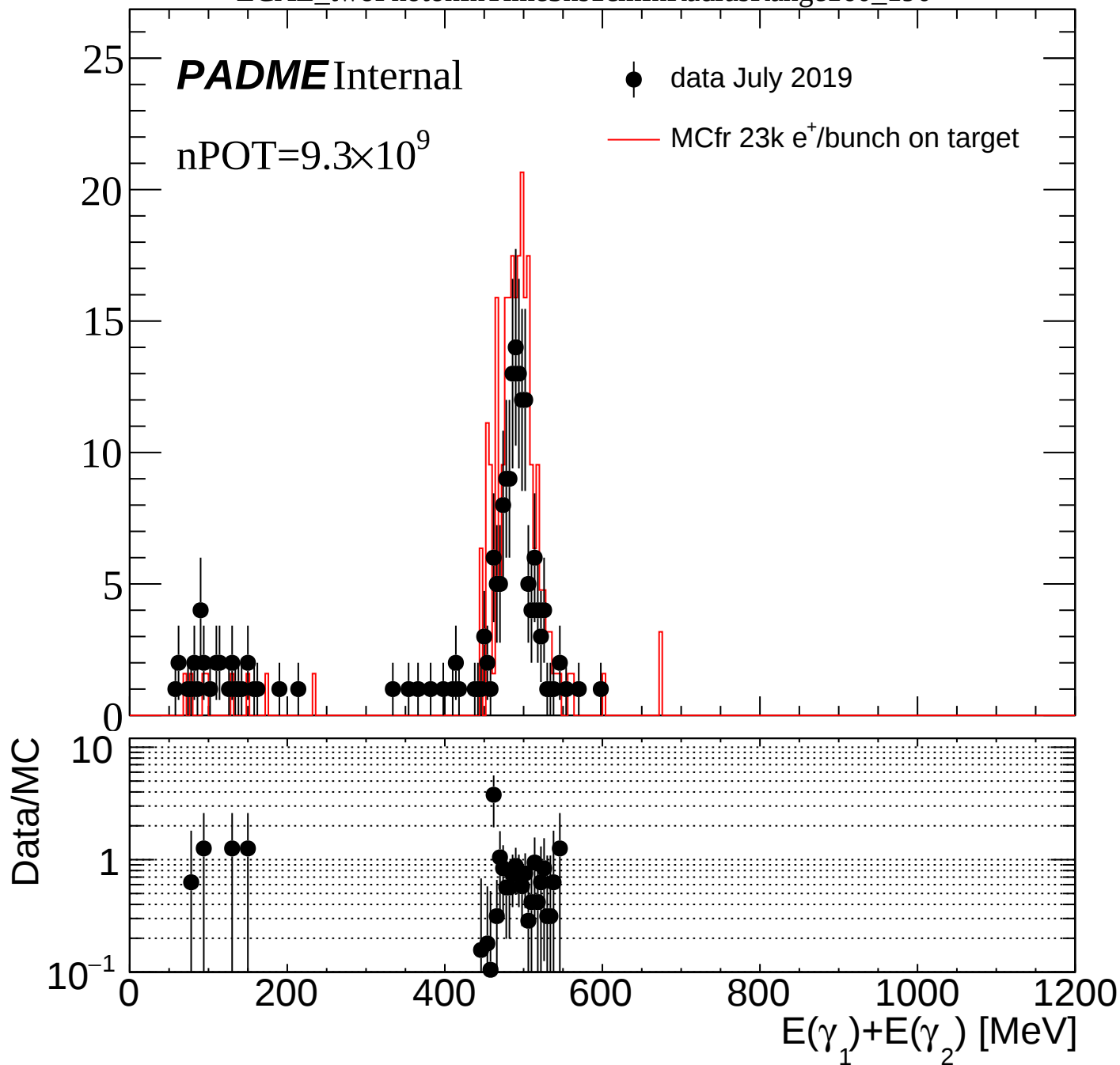




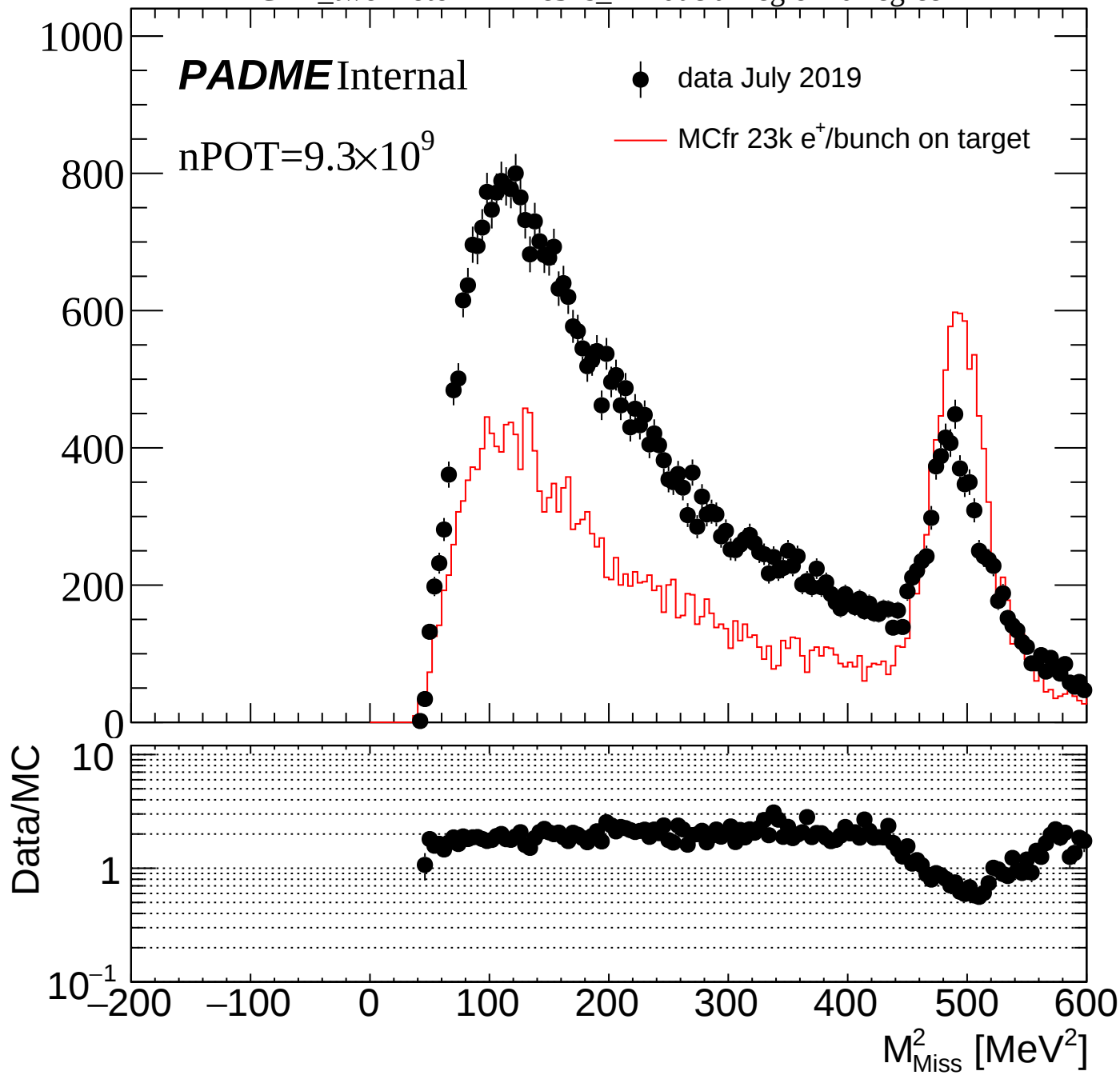
ECAL_twoPhotonInTime3ns1cmInRadiusRange130_220

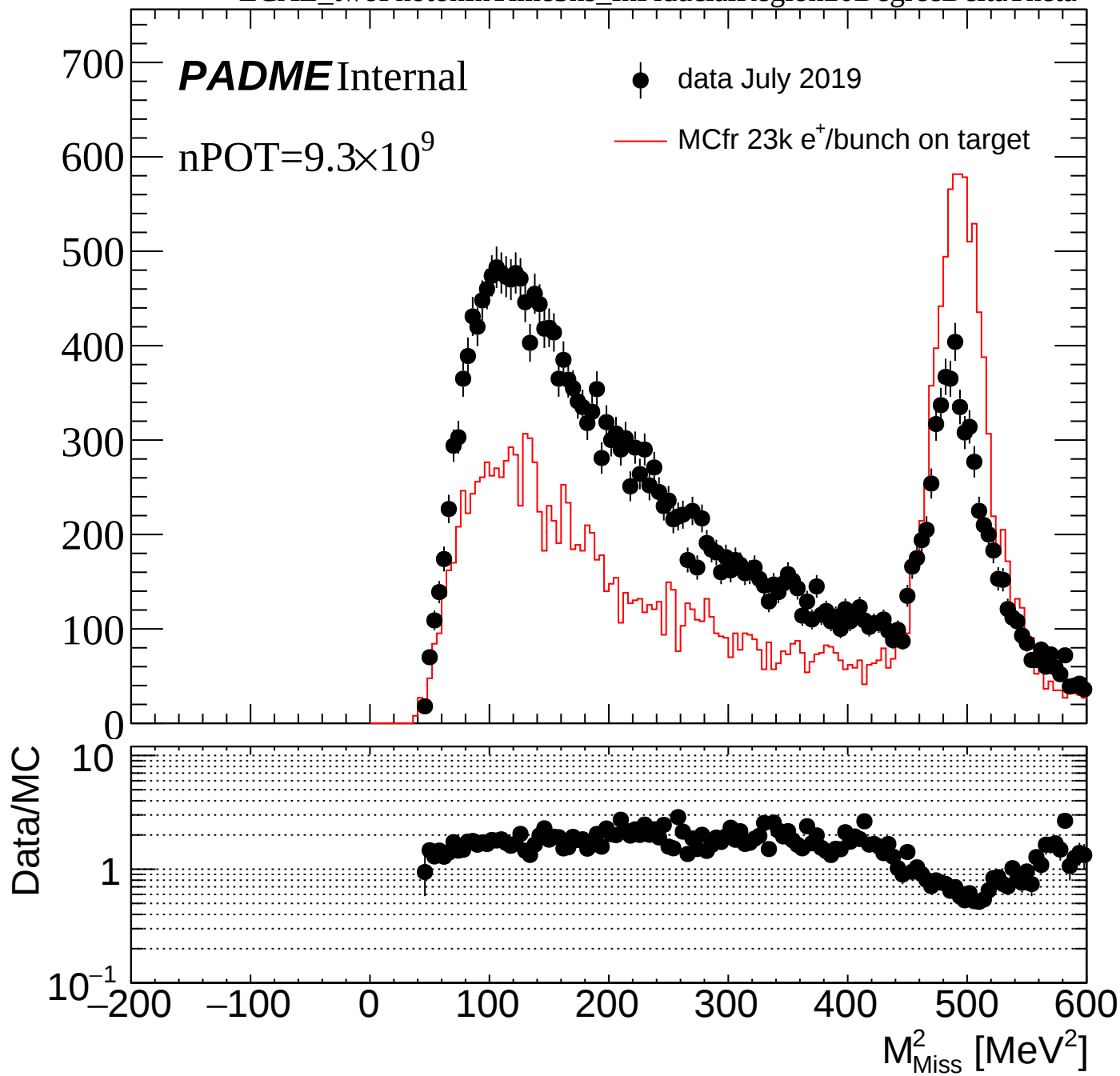




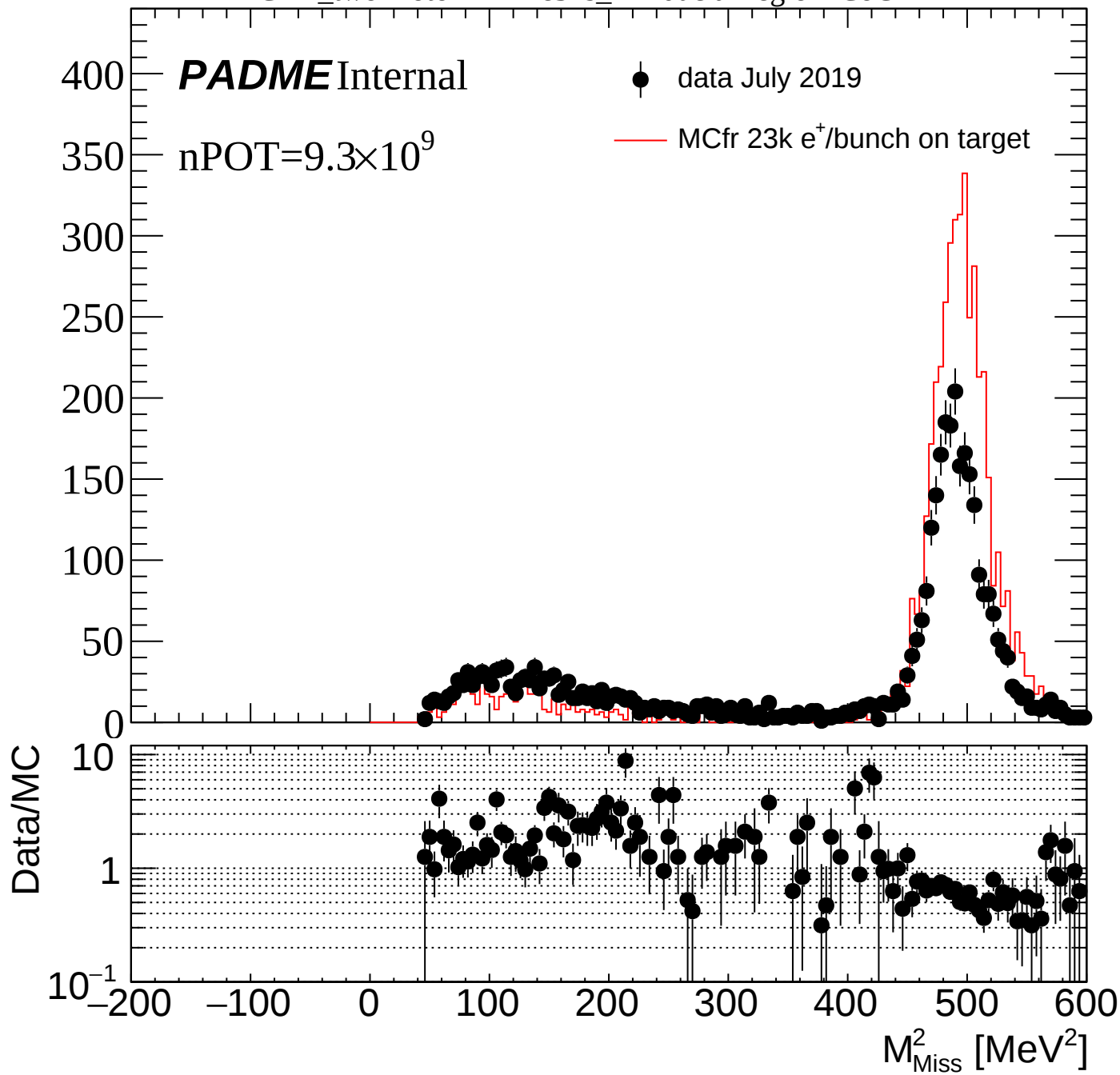


ECAL_twoPhotonInTime3ns_InFiducialRegion20Degree

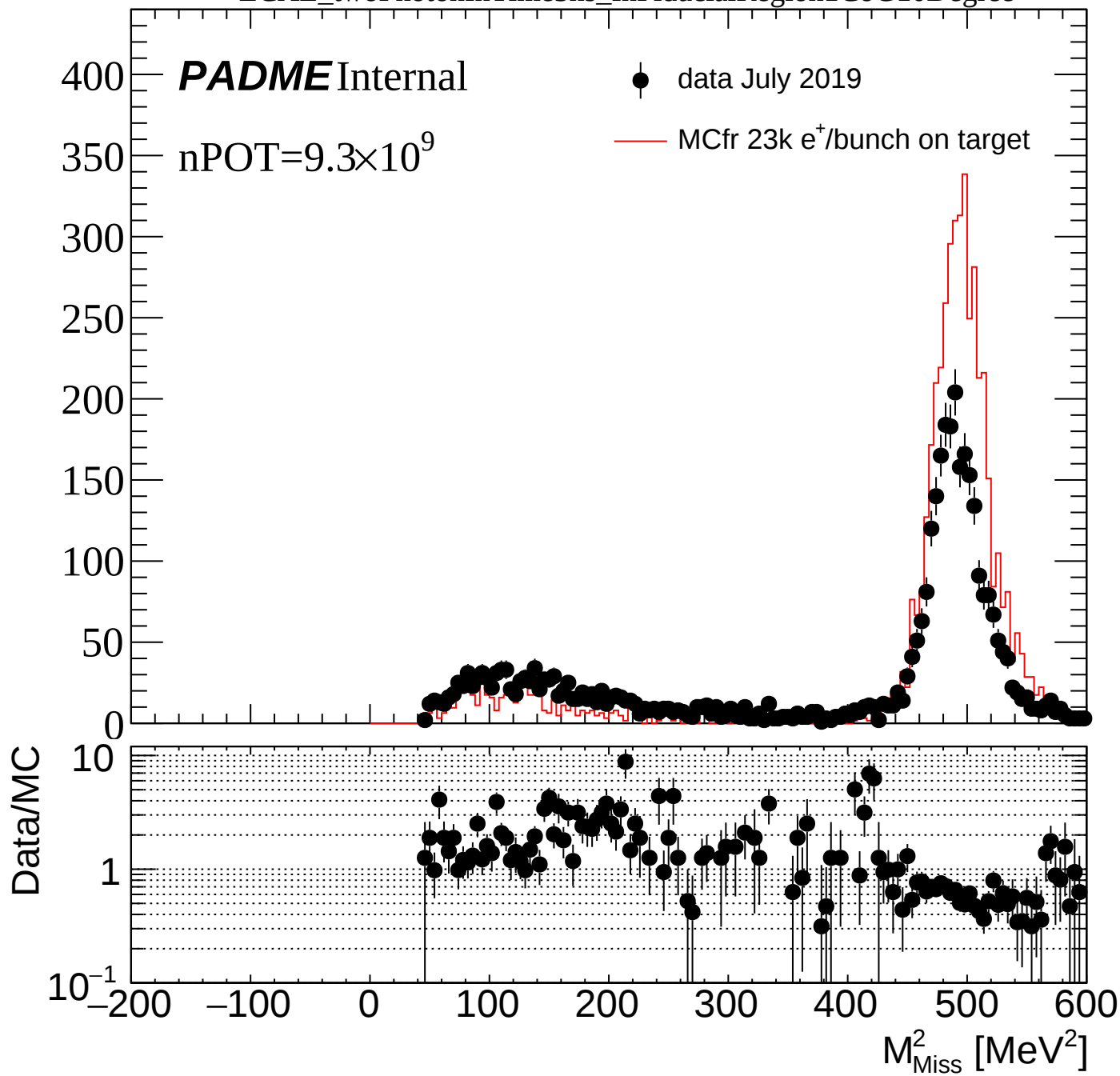


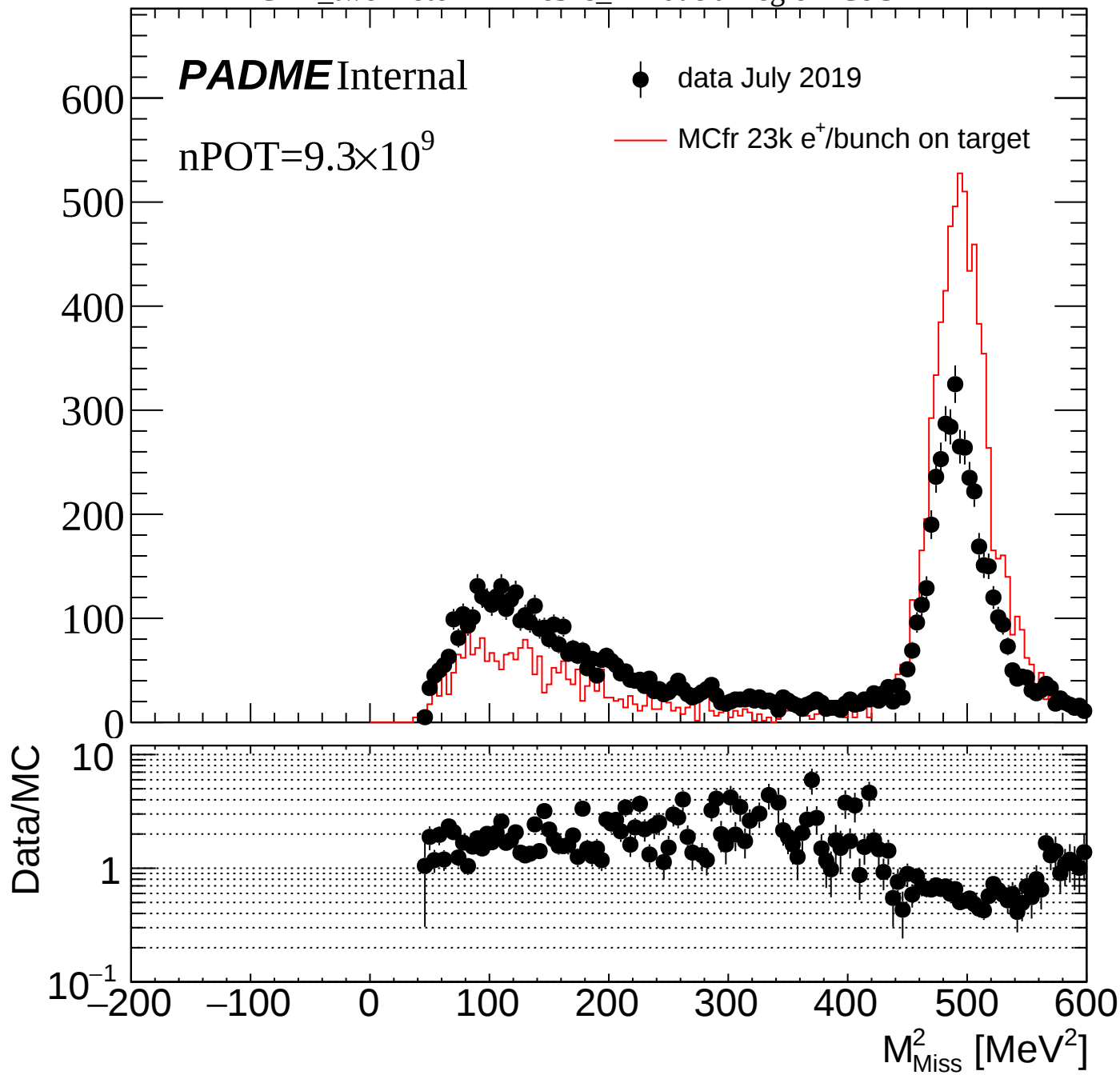


ECAL_twoPhotonInTime3ns_InFiducialRegion1CoG



ECAL_twoPhotonInTime3ns_InFiducialRegion1CoG10Degree





ECAL_twoPhotonInTime3ns_InFiducialRegion2CoG20Degree

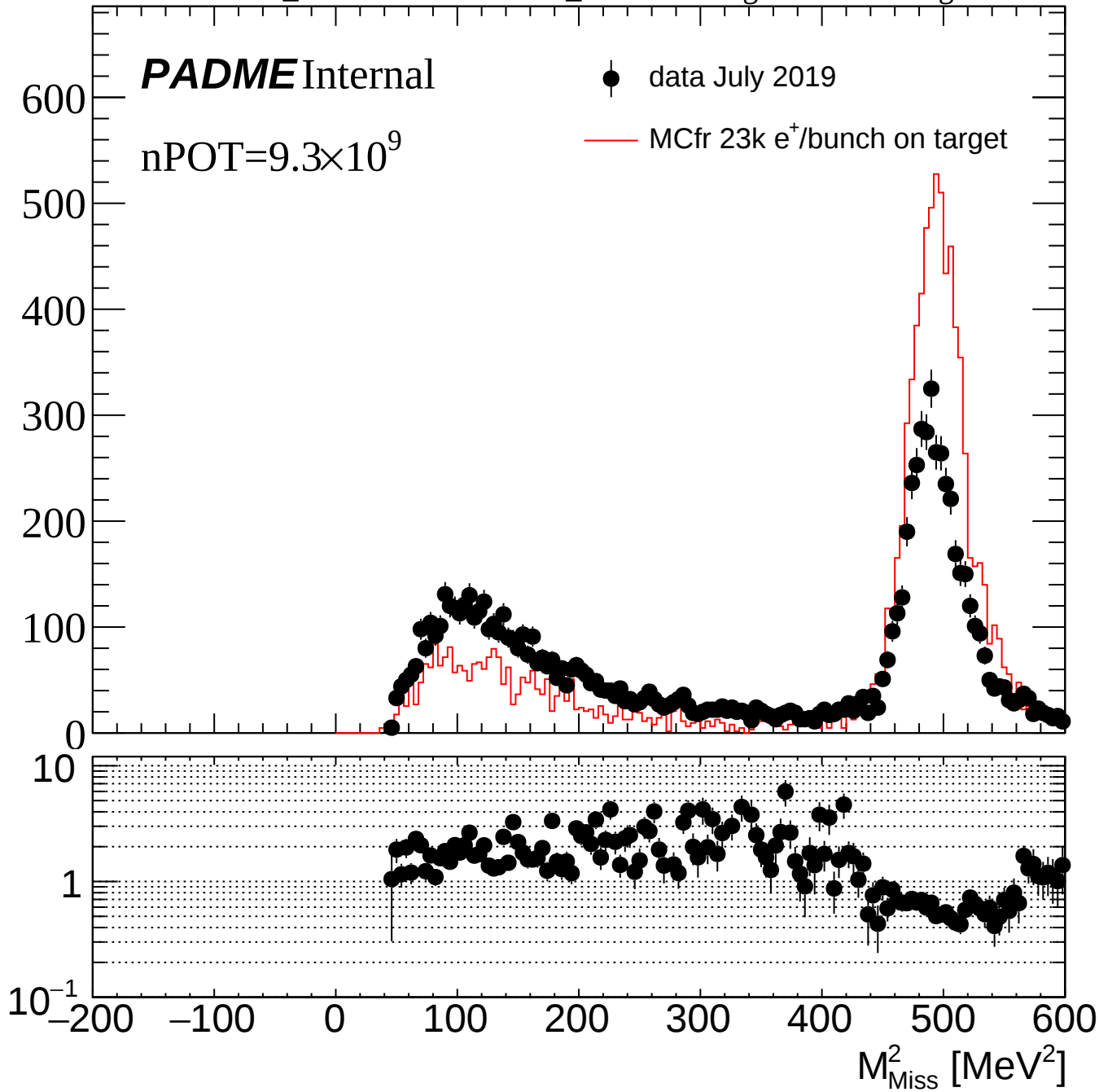
PADME Internal

nPOT= 9.3×10^9

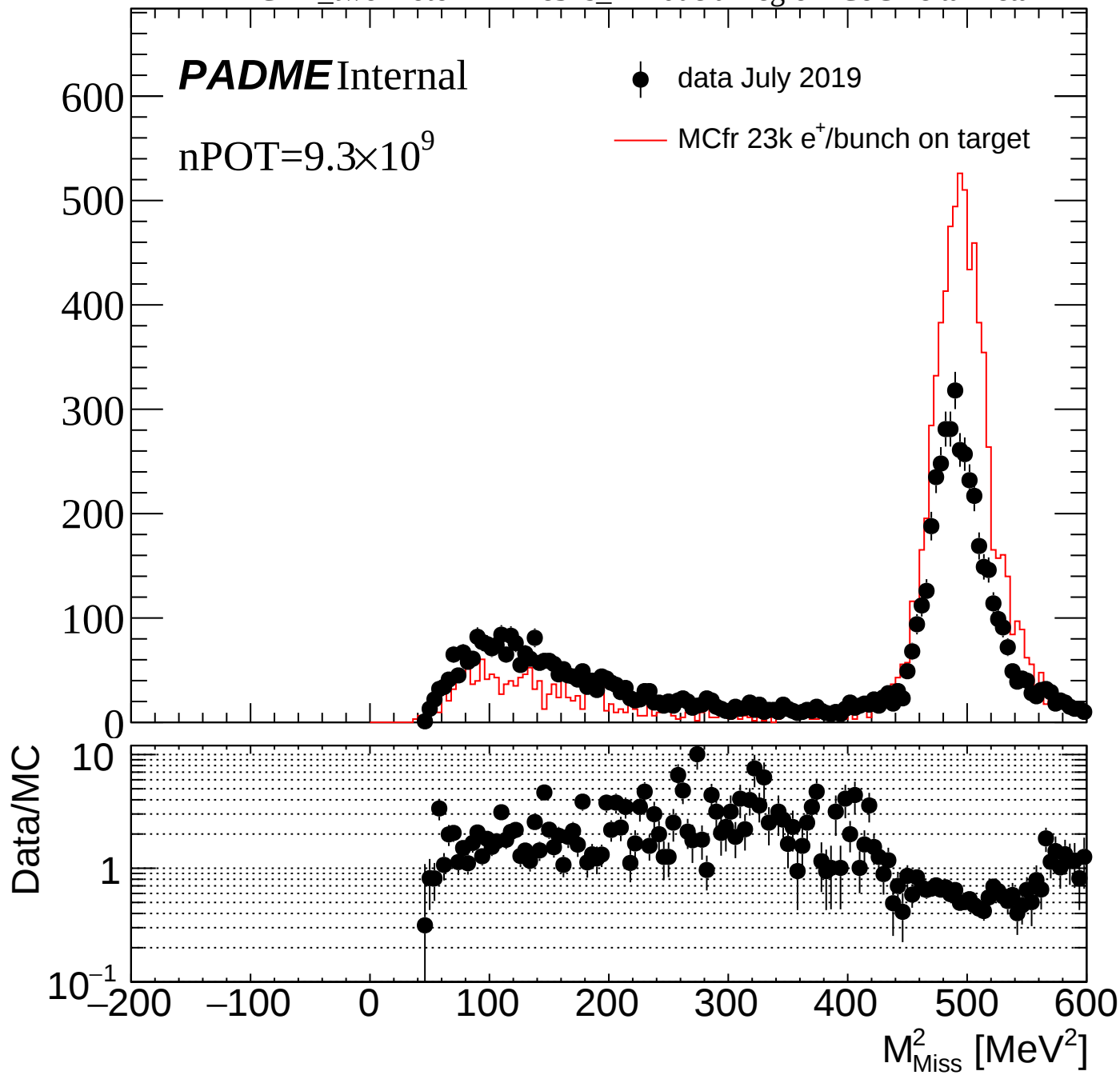
● data July 2019

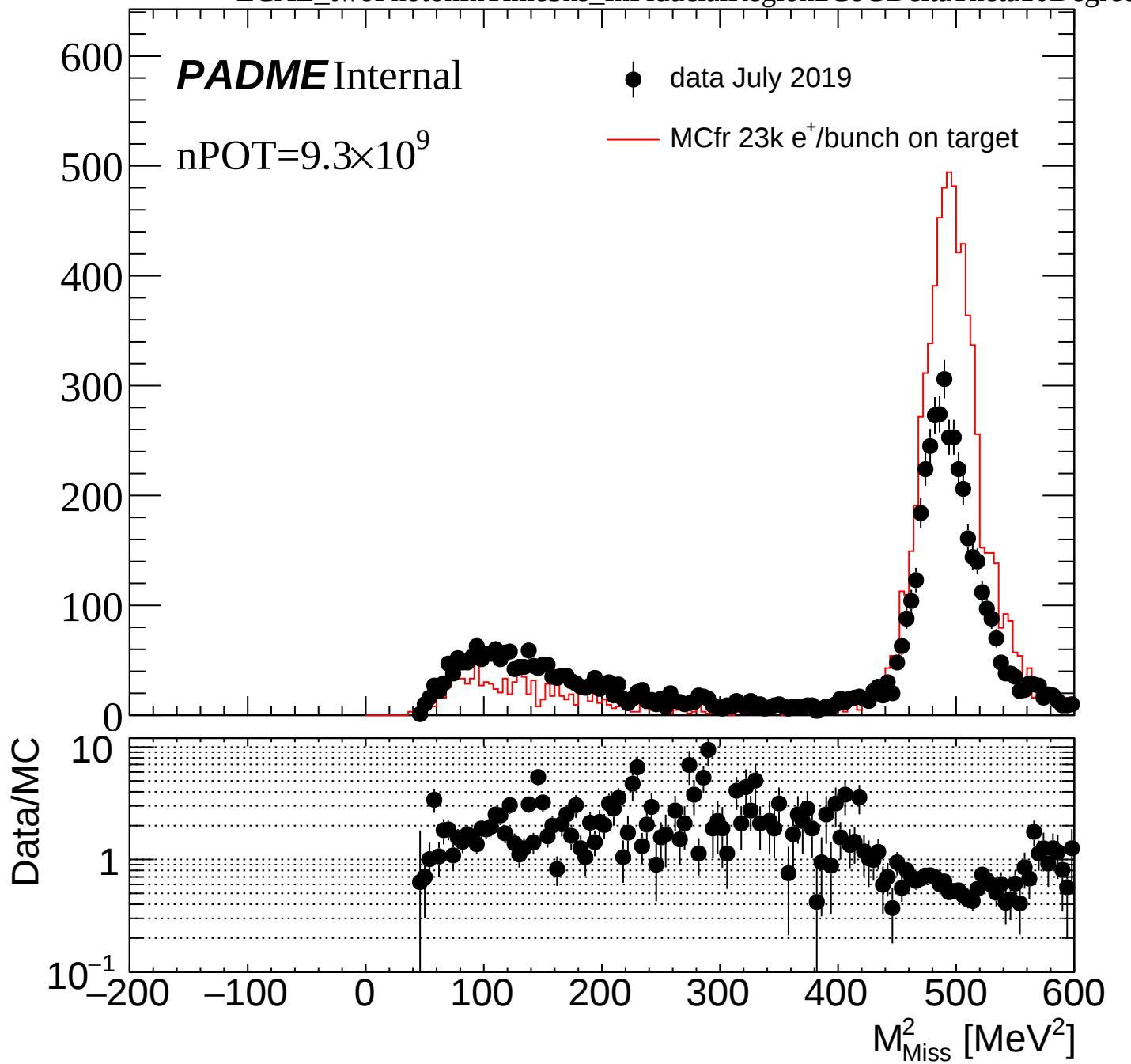
— MCfr 23k e⁺/bunch on target

Data/MC

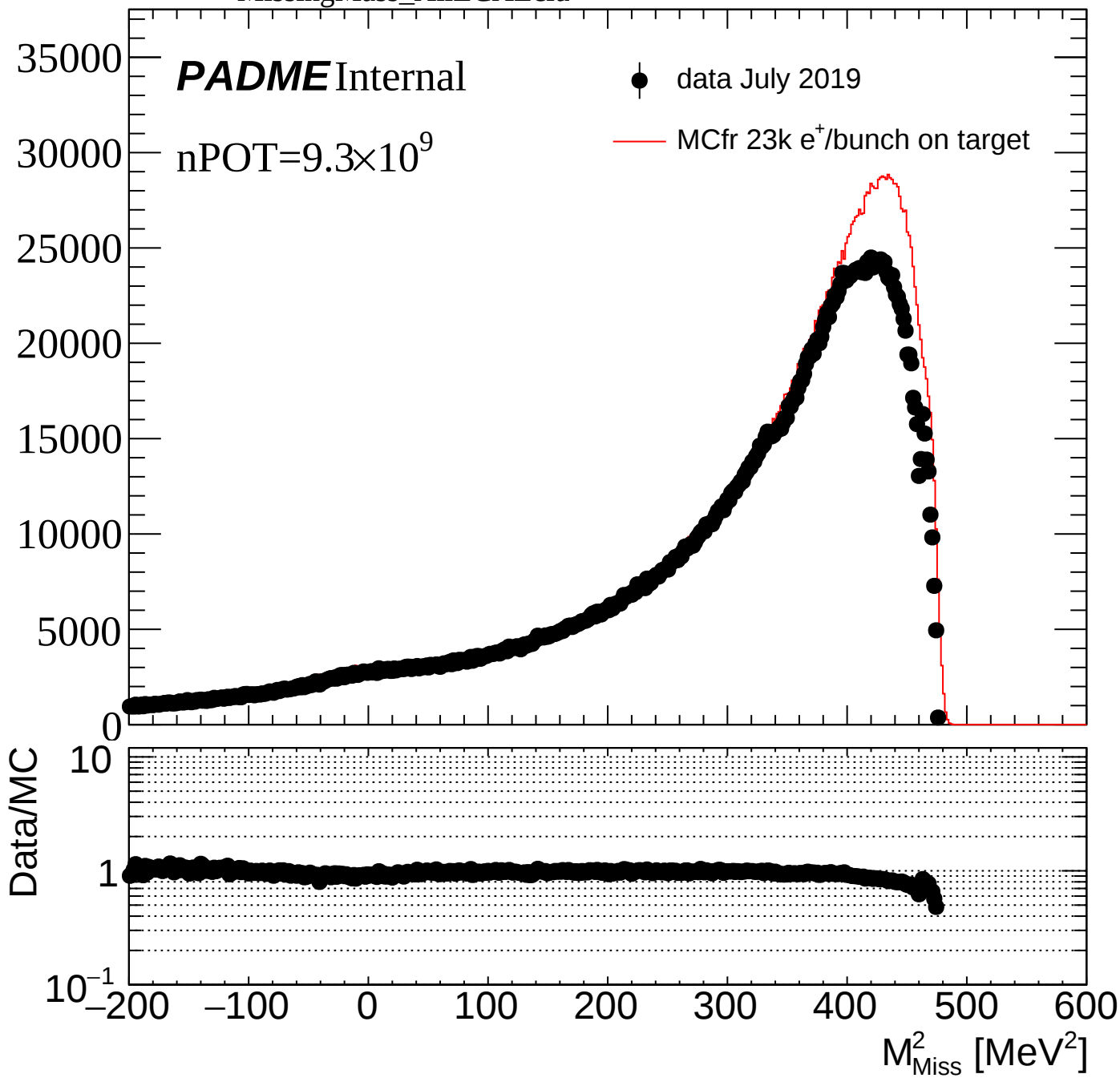


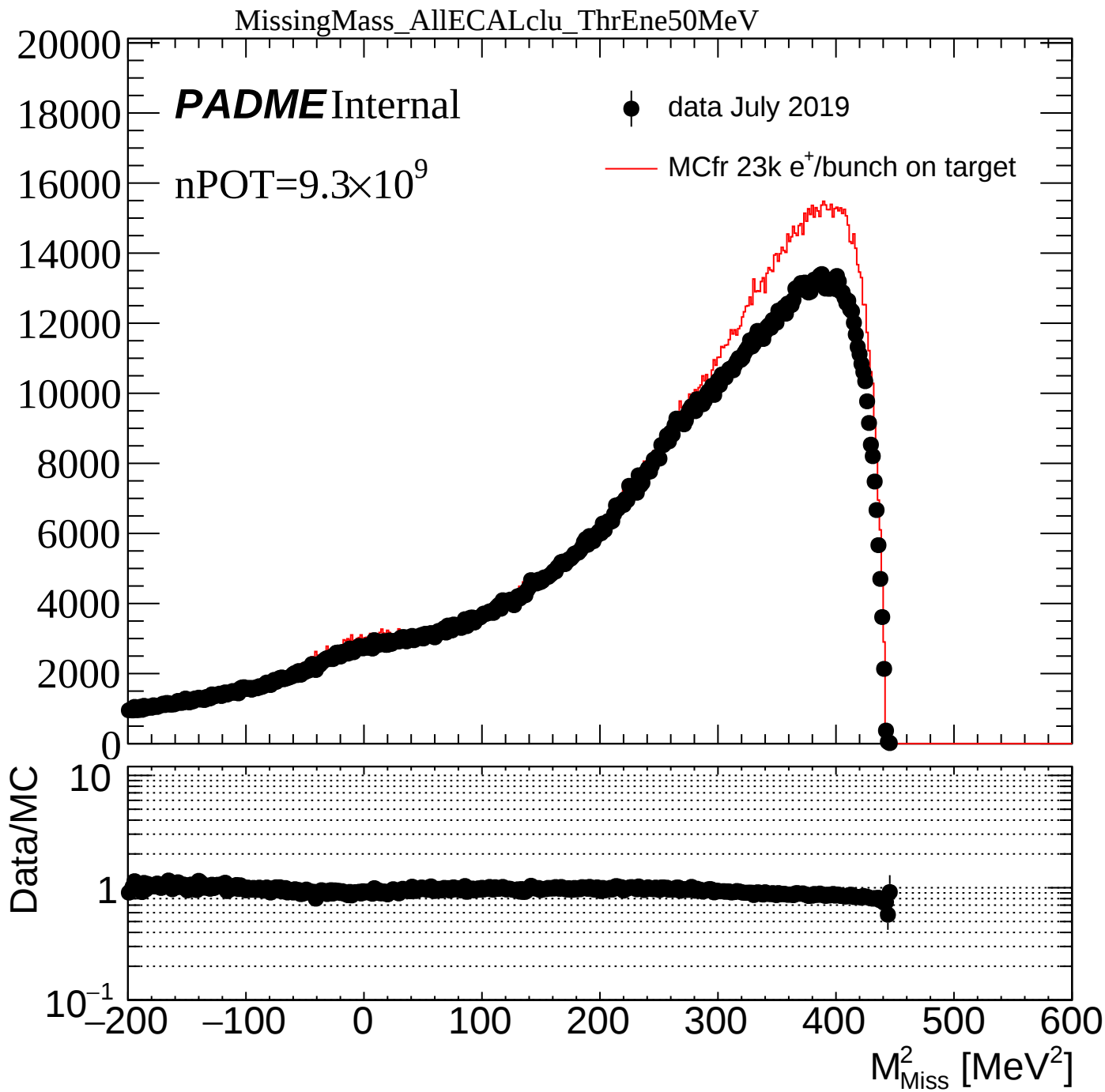
ECAL_twoPhotonInTime3ns_InFiducialRegion2CoGDeltaTheta



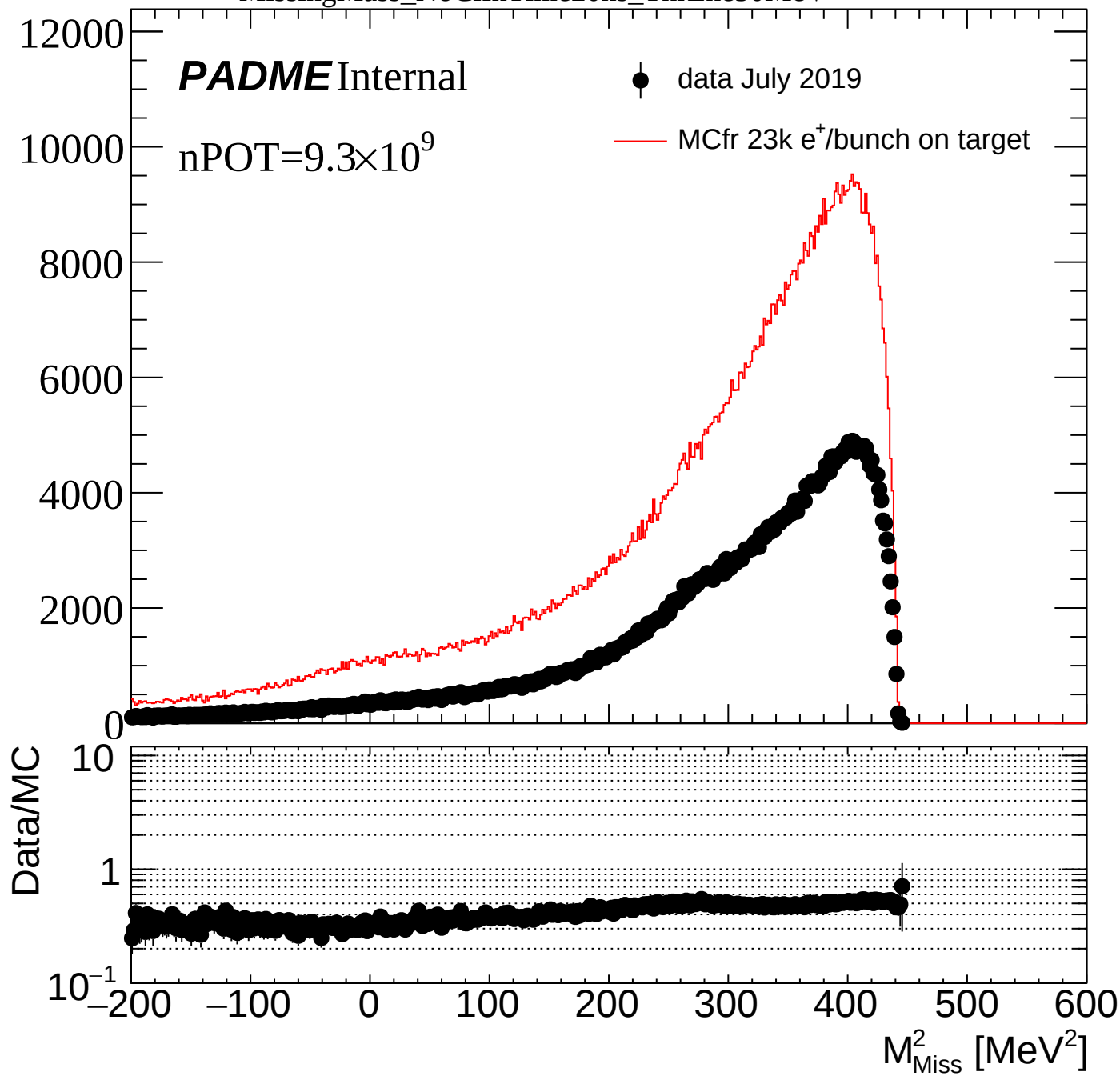


MissingMass_AllECALclu





MissingMass_NoClInTime20ns_ThrEne50MeV



MissingMass_NoClInTime10ns_ThrEne50MeV

