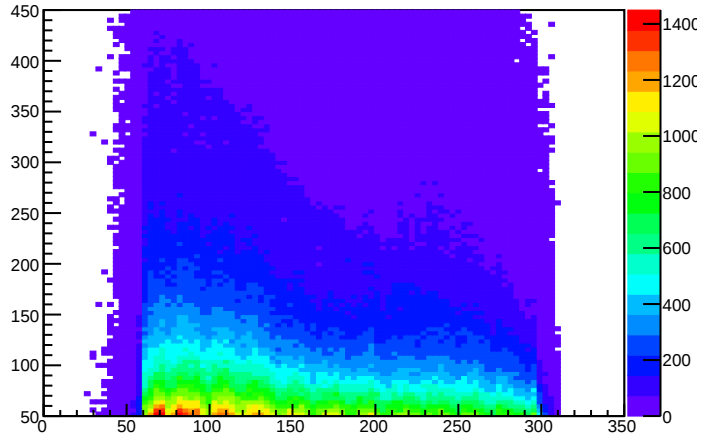
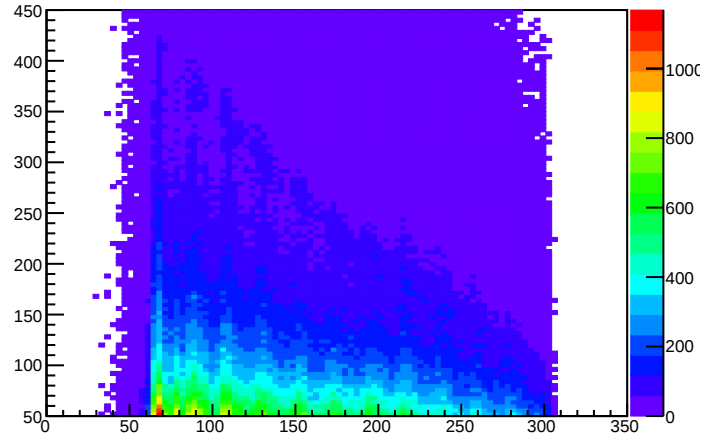


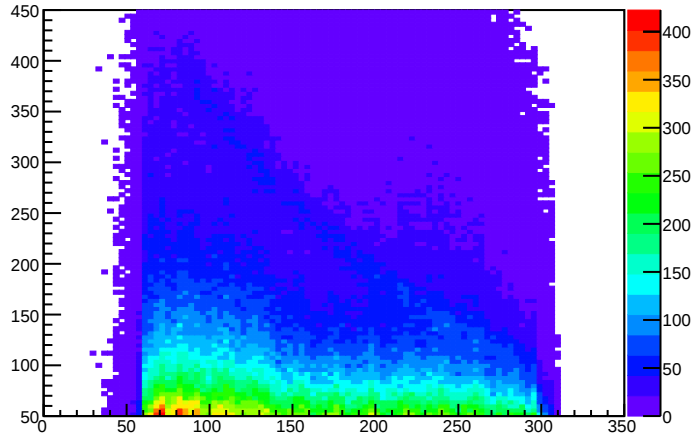
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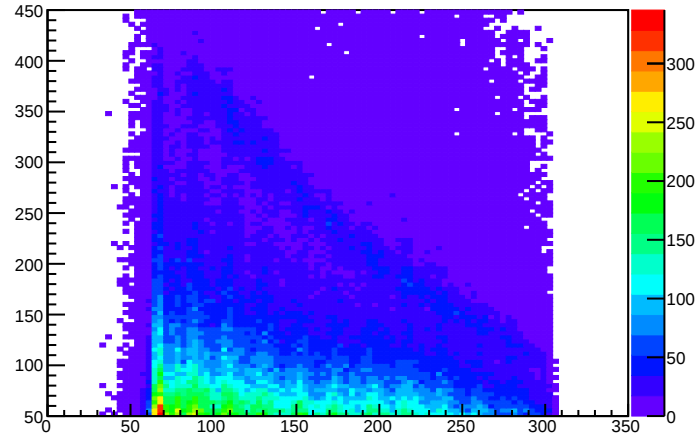
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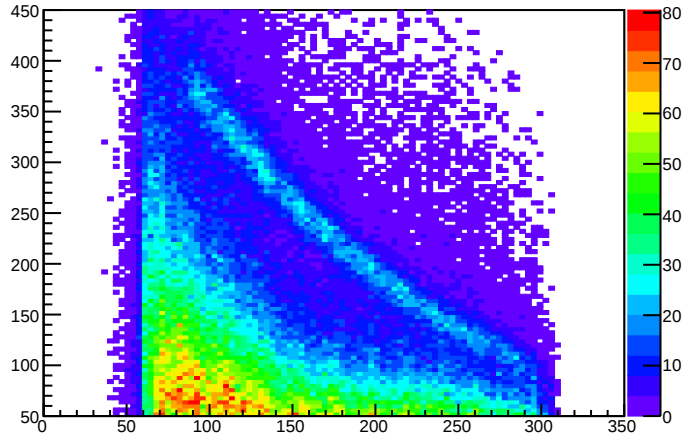
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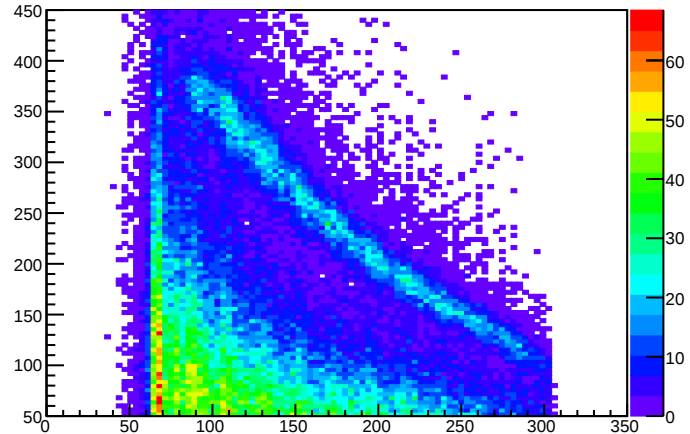
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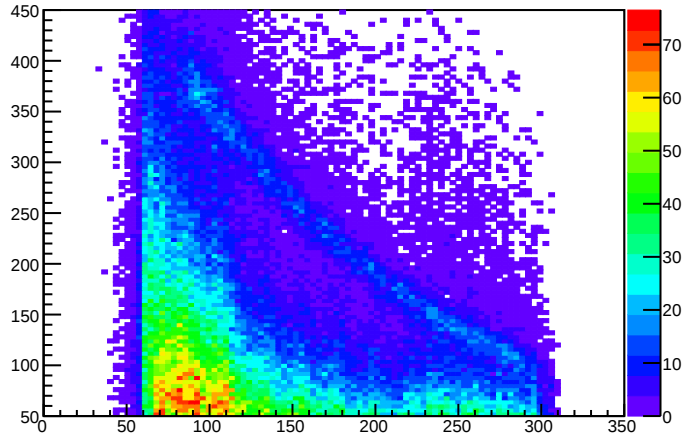
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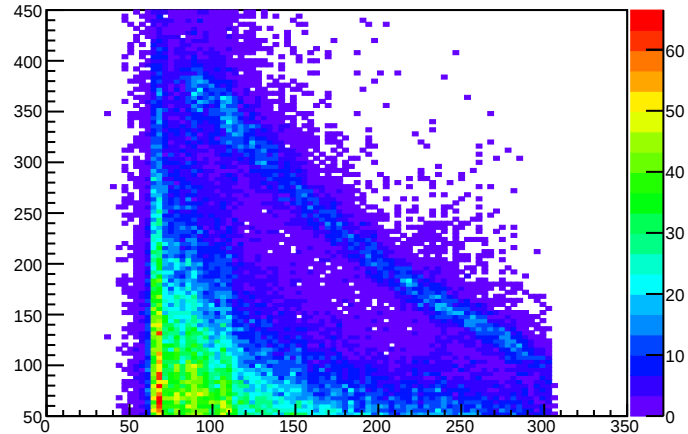
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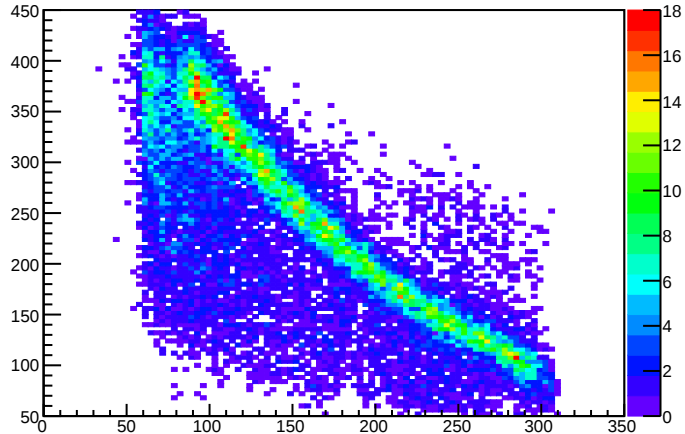
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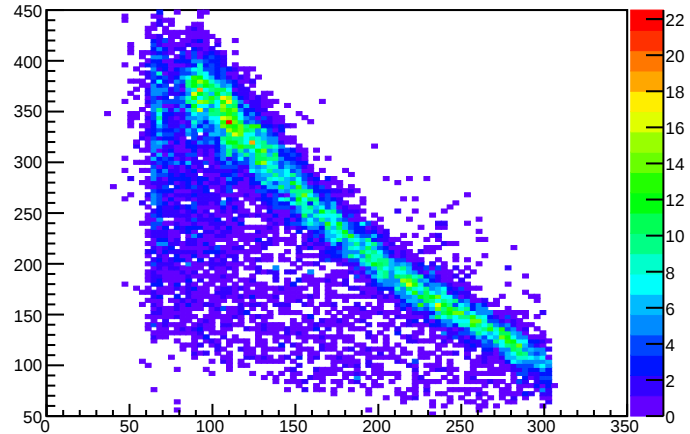
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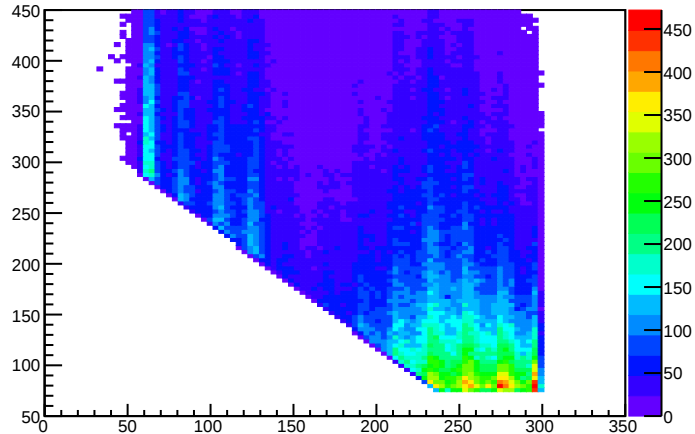
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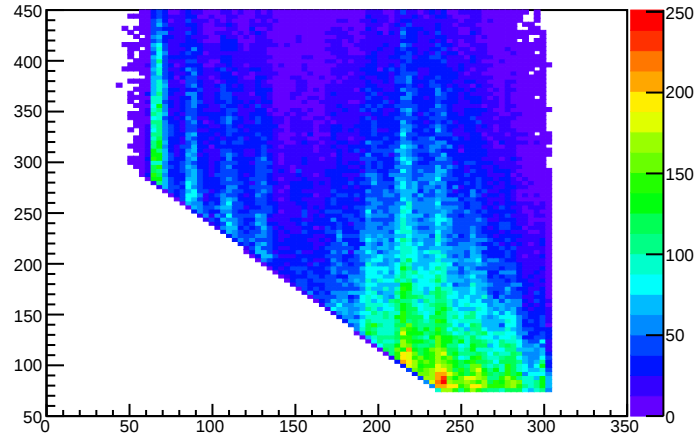
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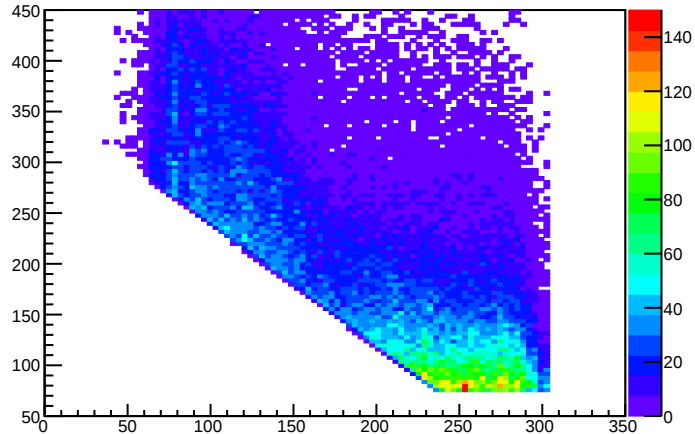
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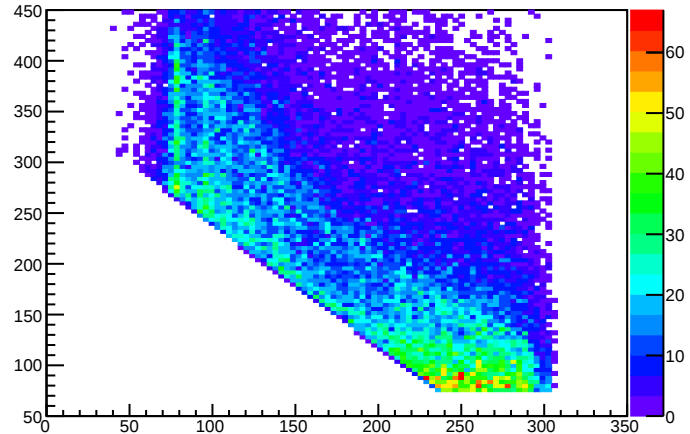
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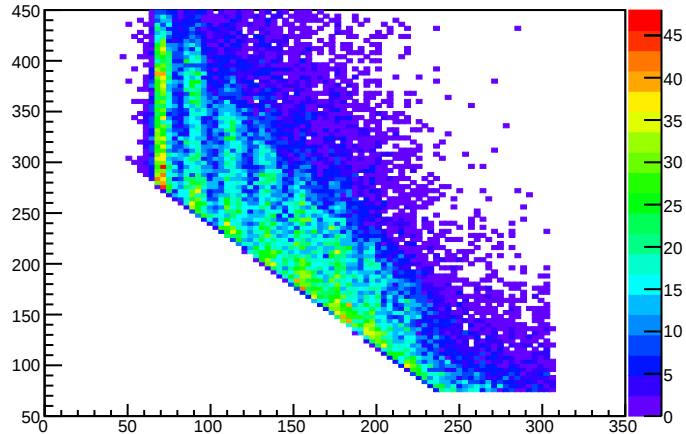
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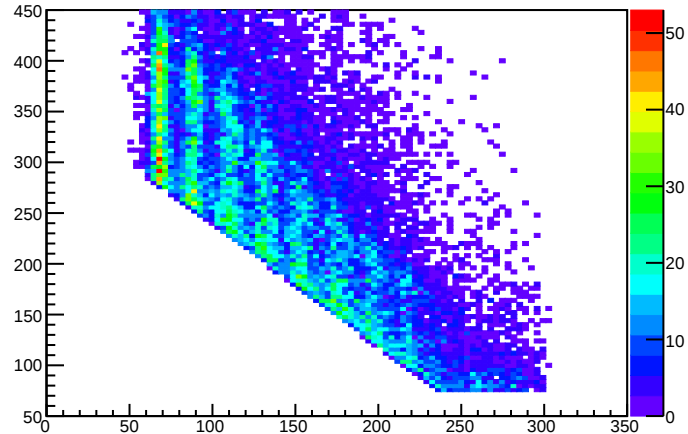
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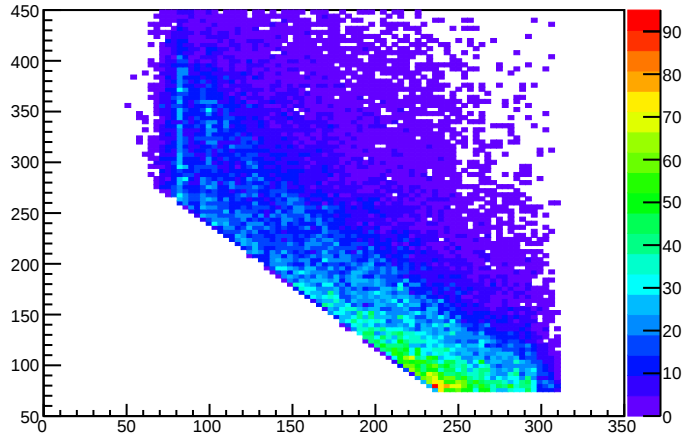
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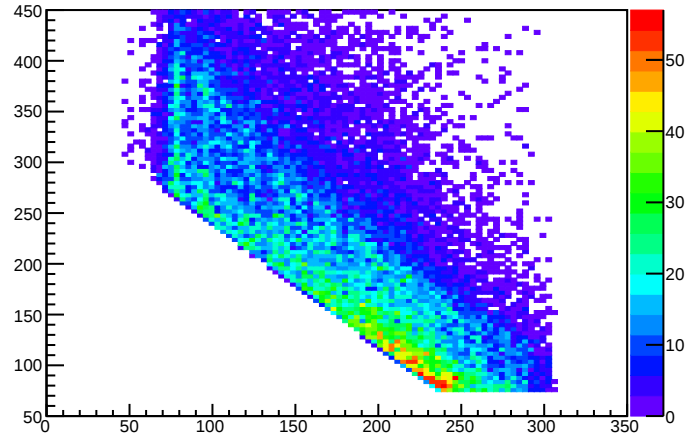
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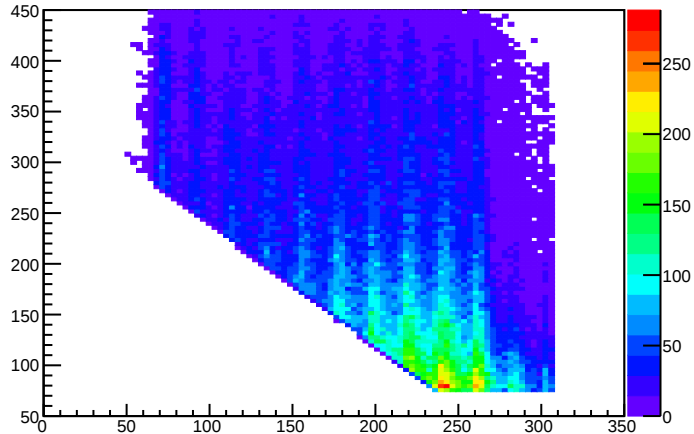
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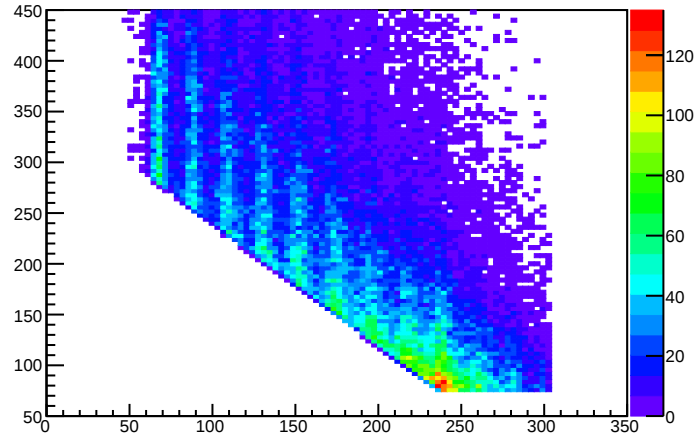
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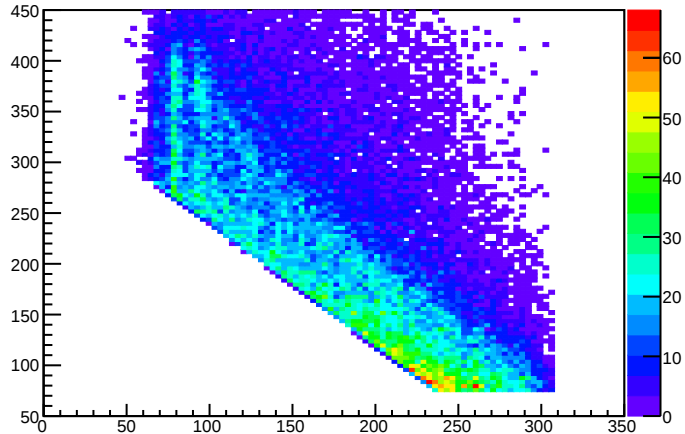
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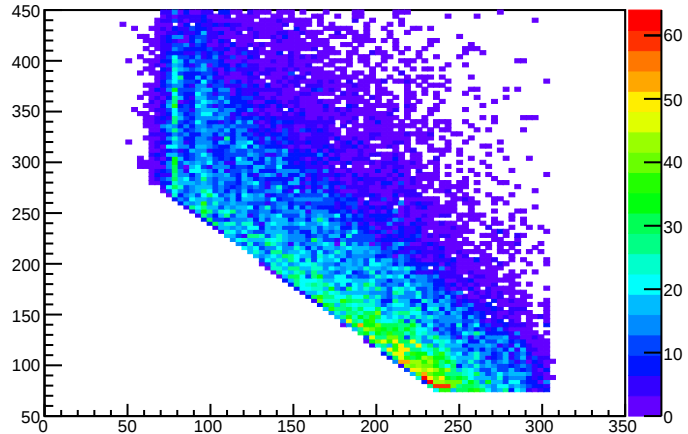
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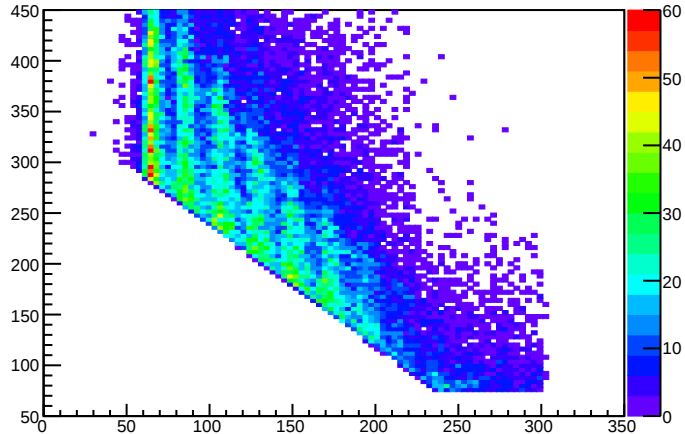
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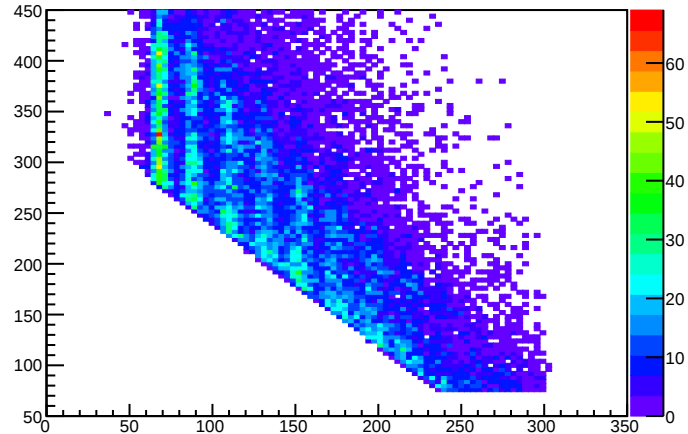
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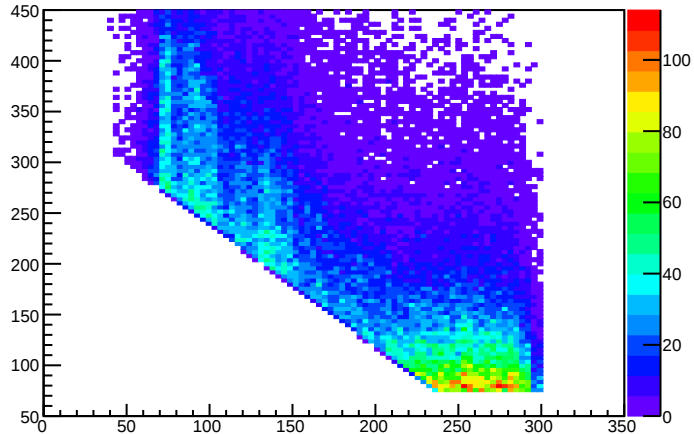
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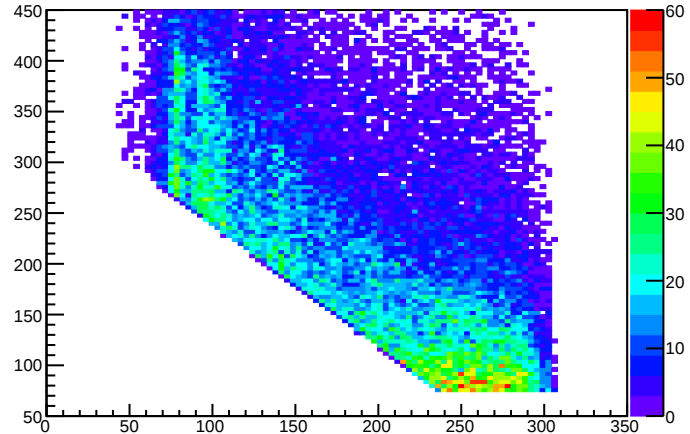
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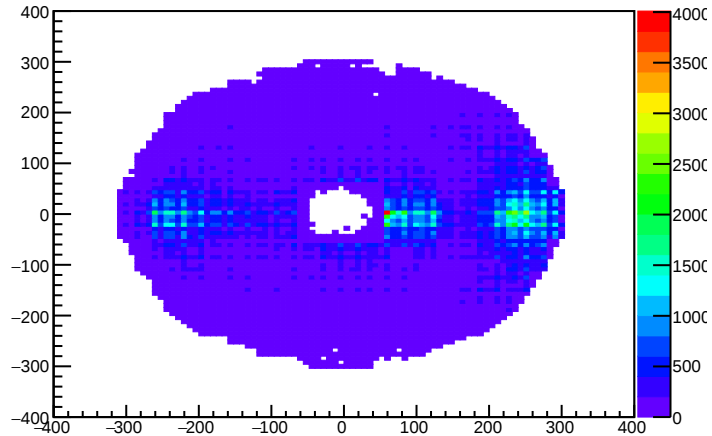
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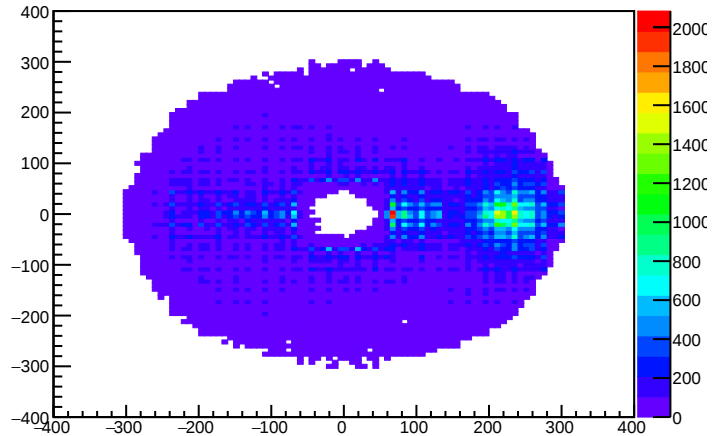
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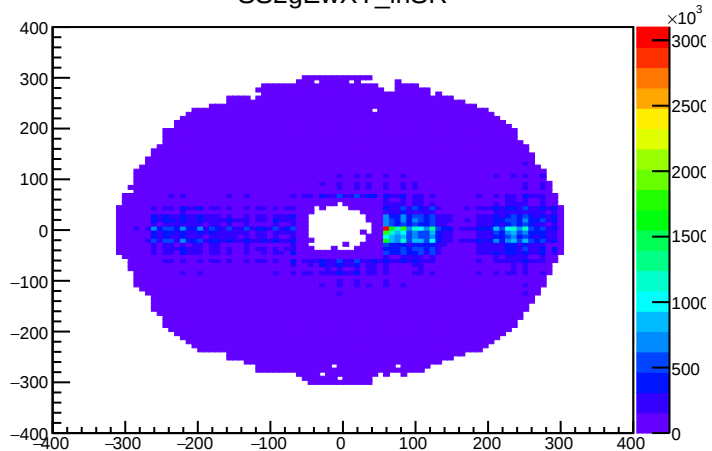
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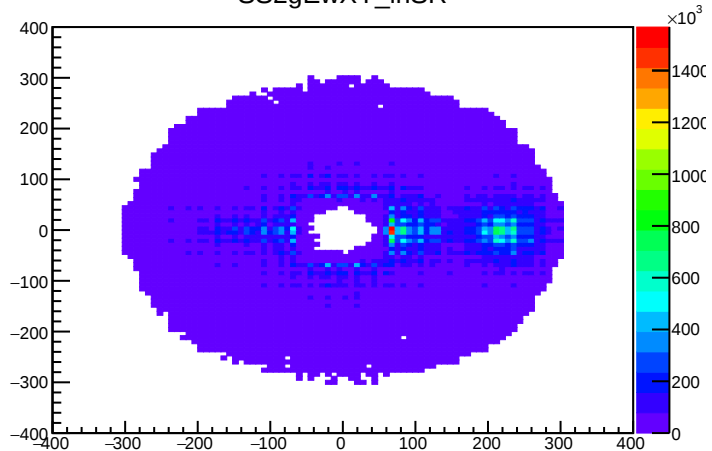
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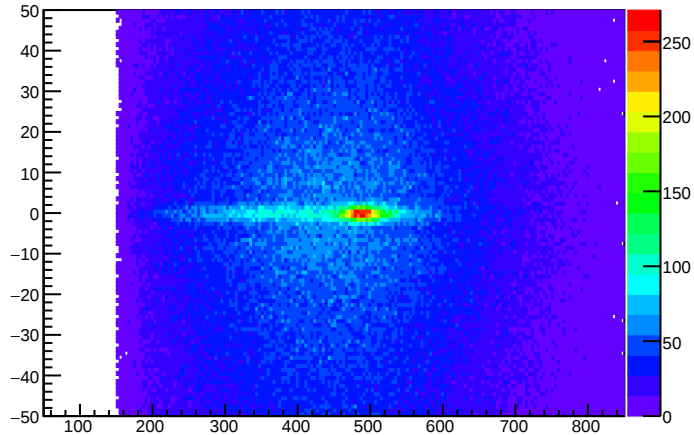
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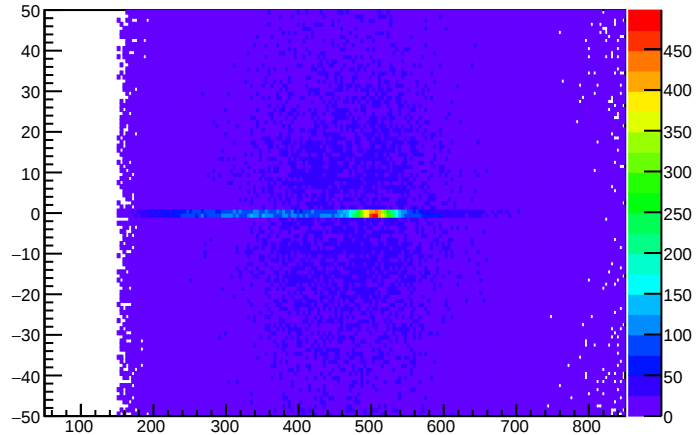
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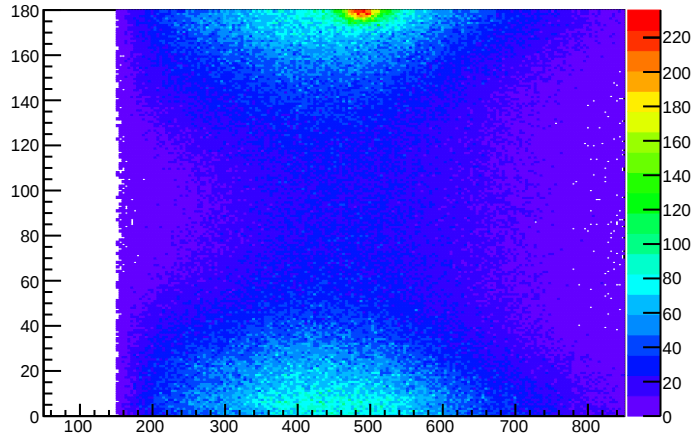
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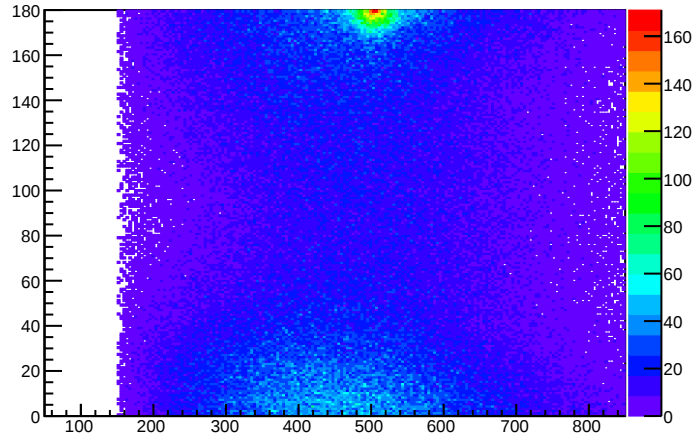
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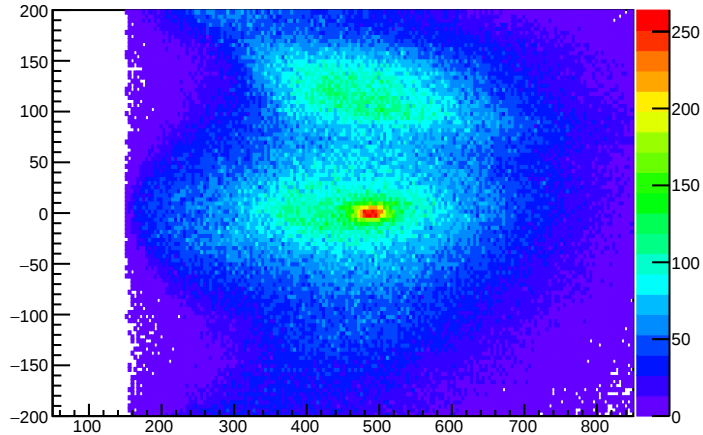
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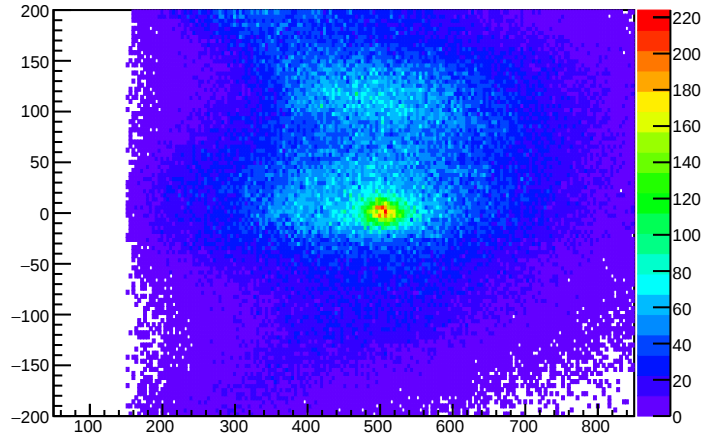
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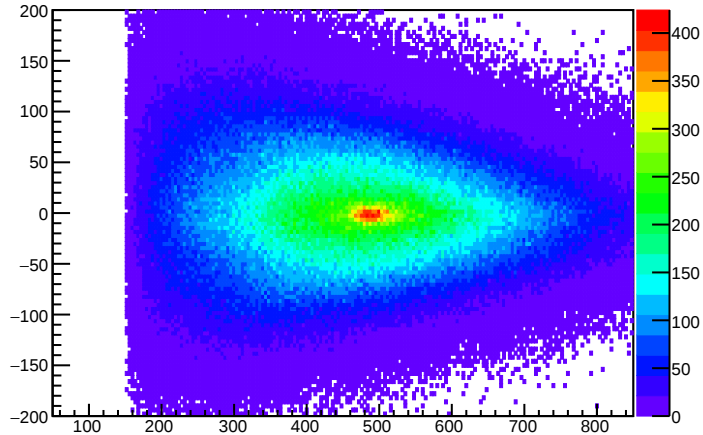
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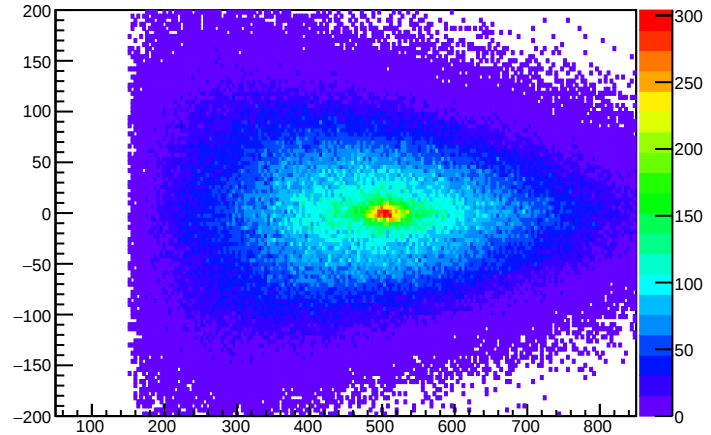
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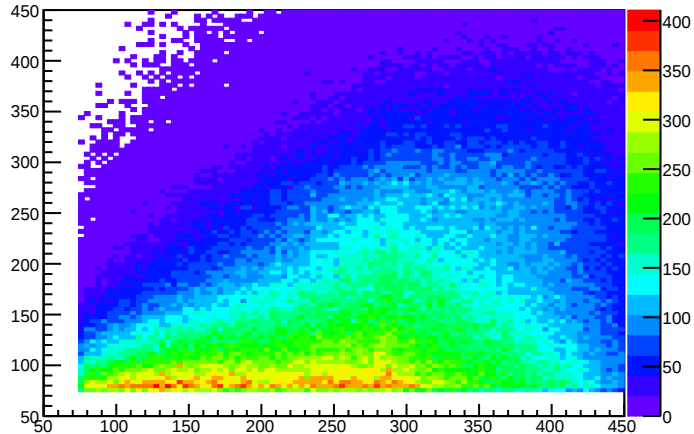
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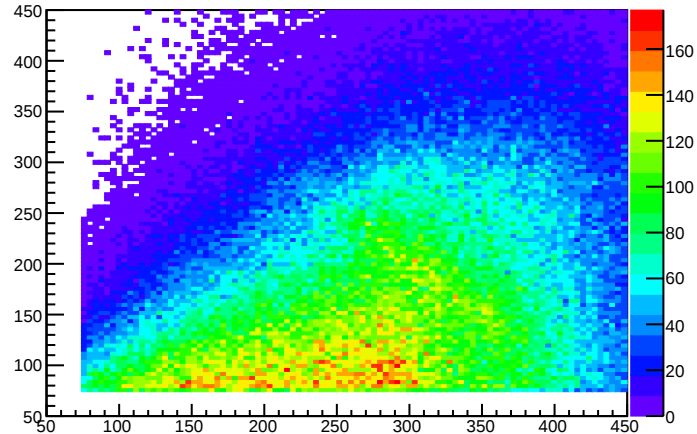
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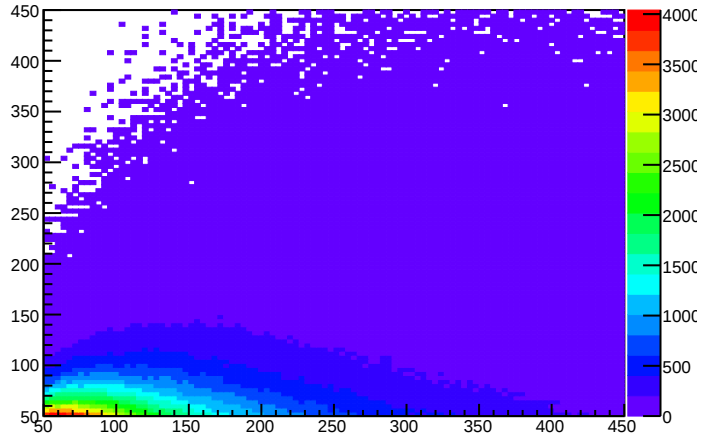
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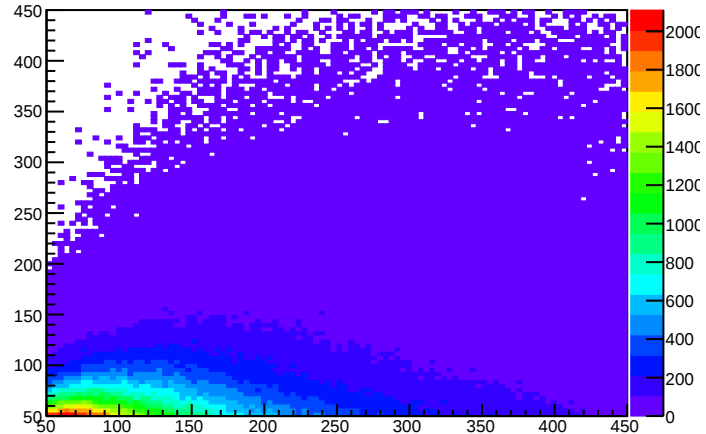
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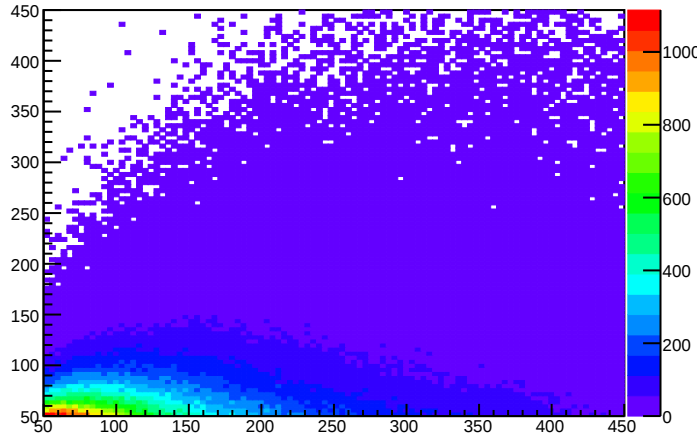
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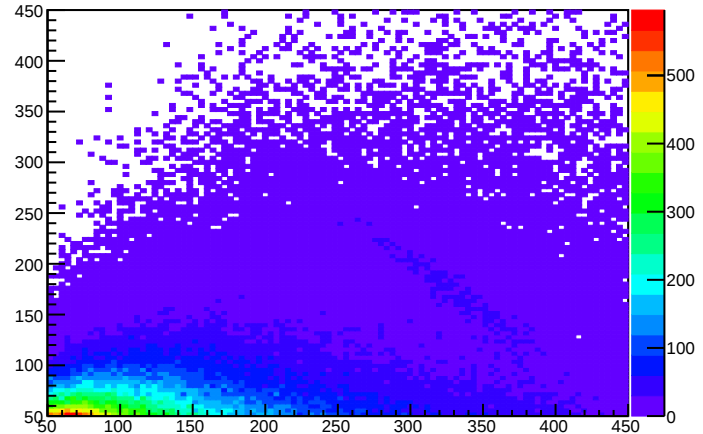
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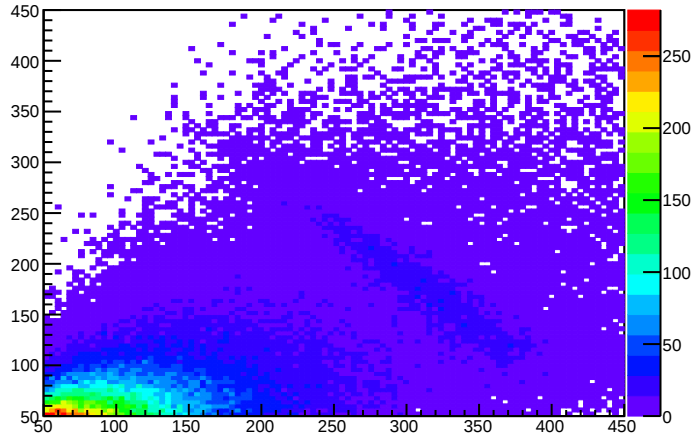
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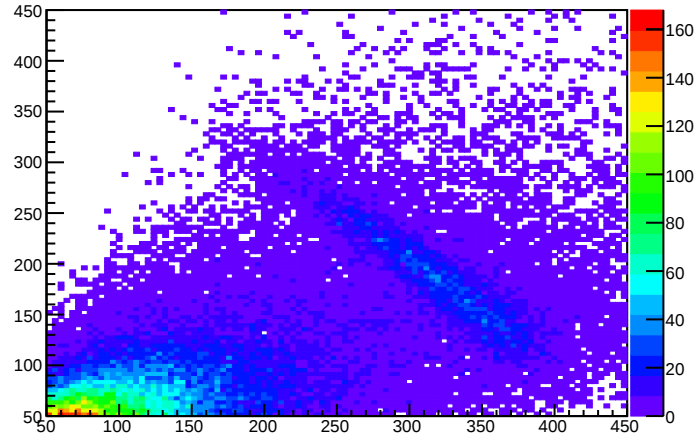
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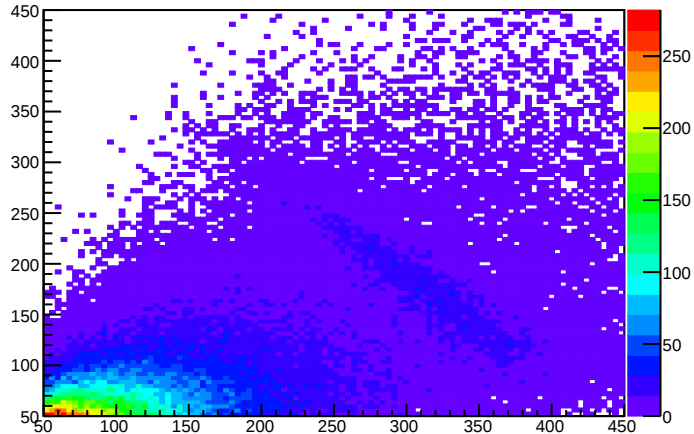
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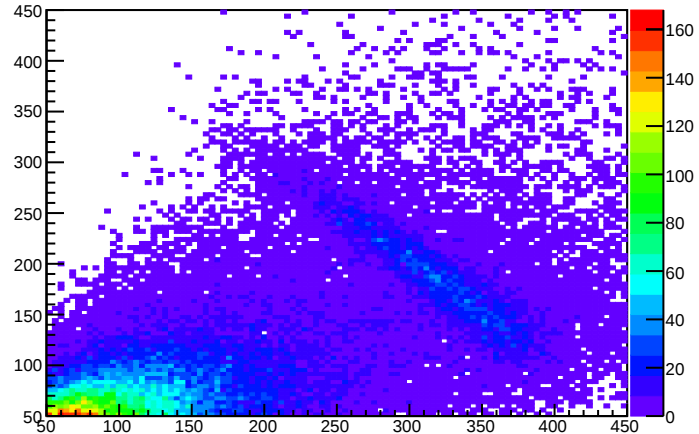
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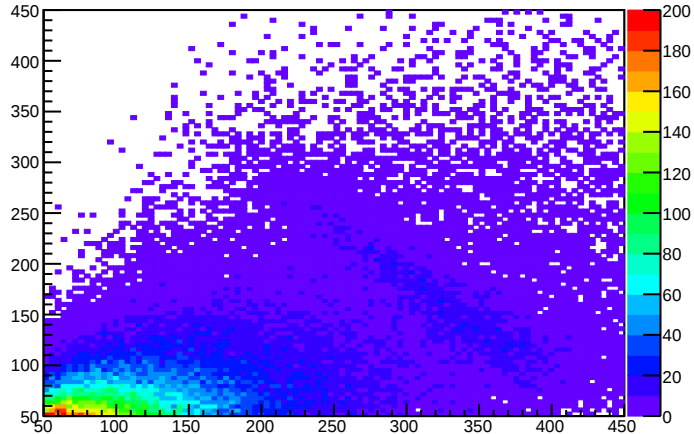
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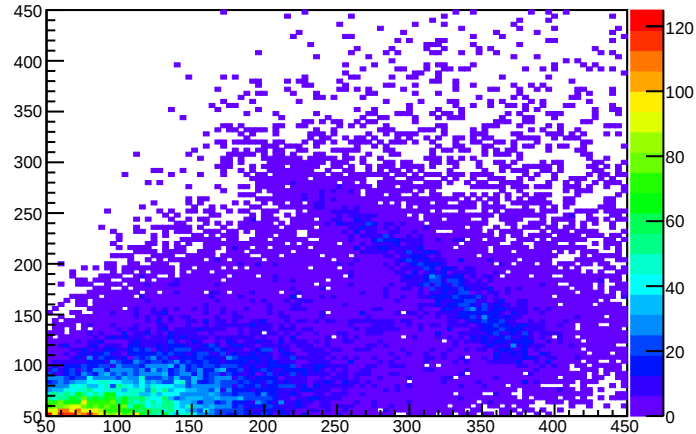
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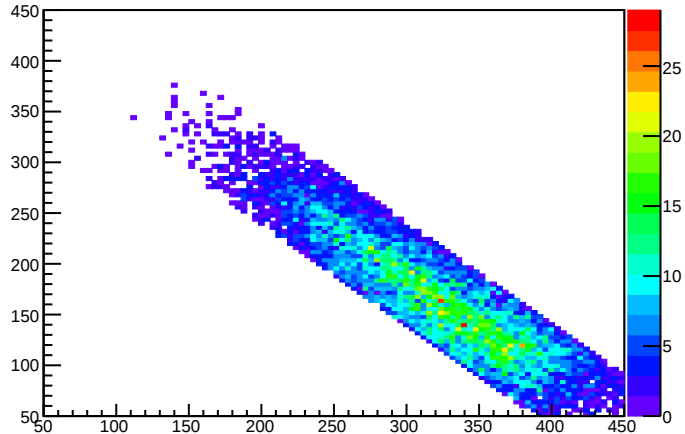
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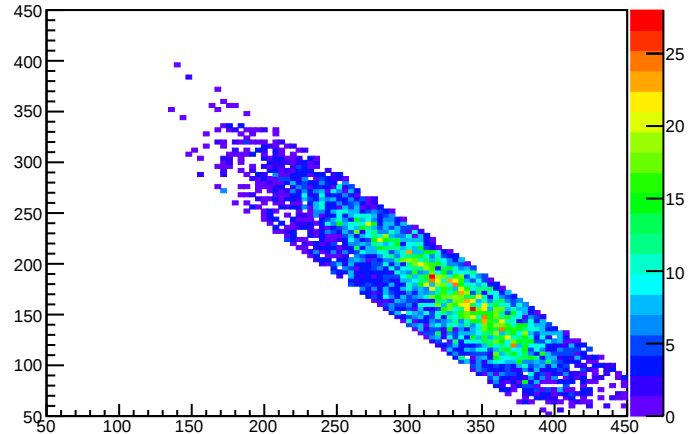
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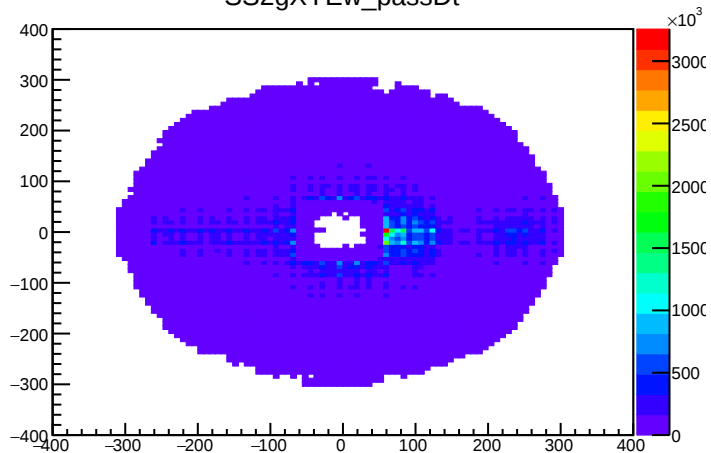
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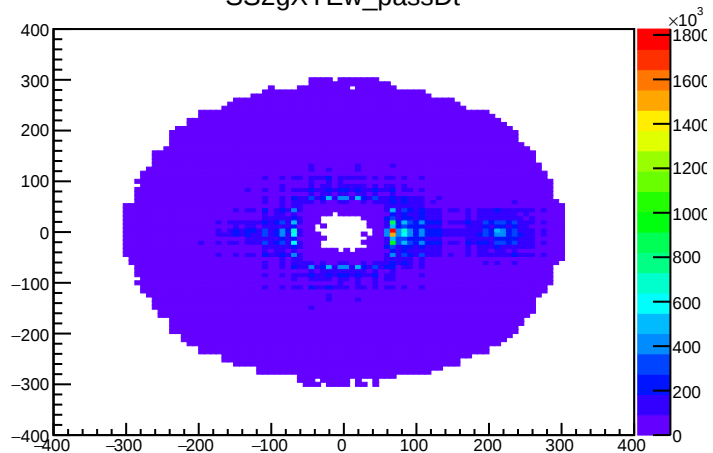
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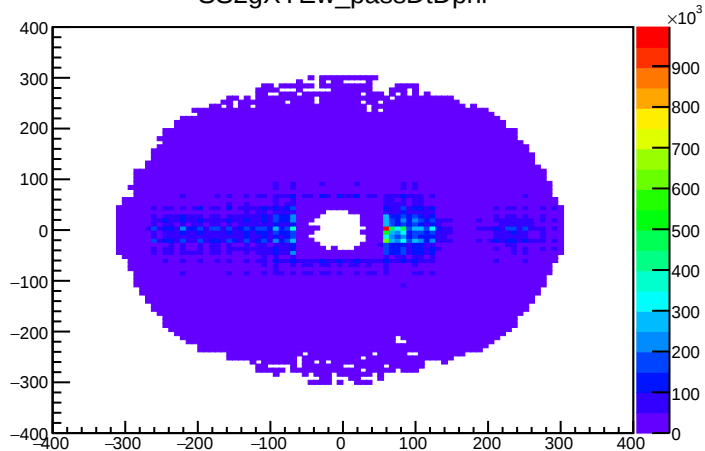
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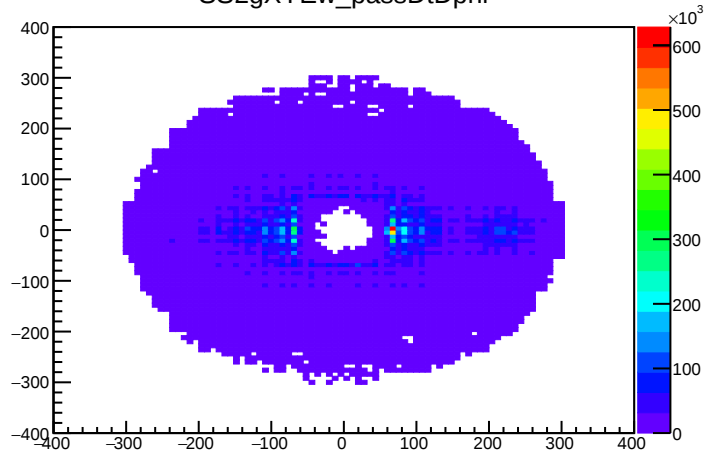
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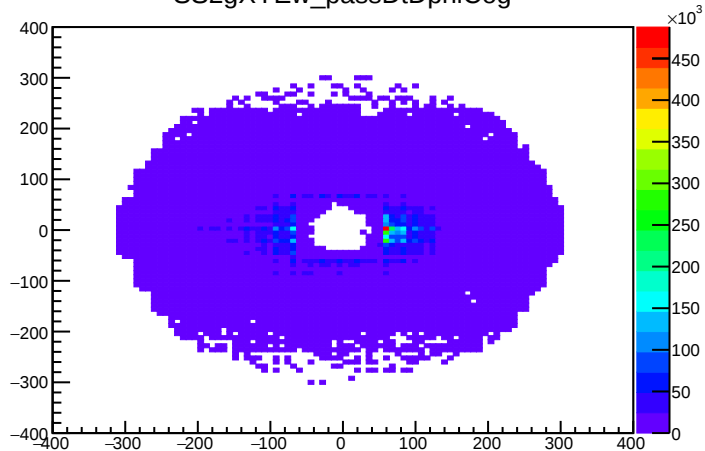
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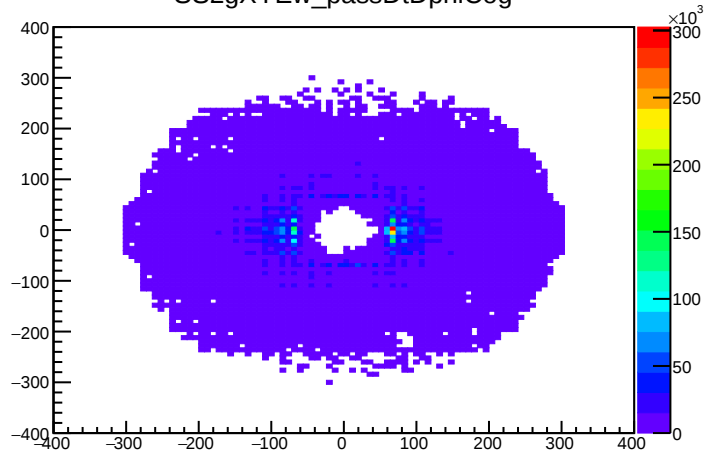
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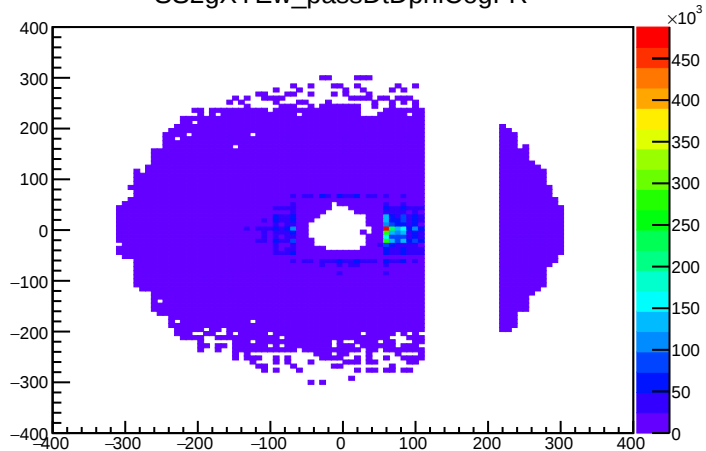
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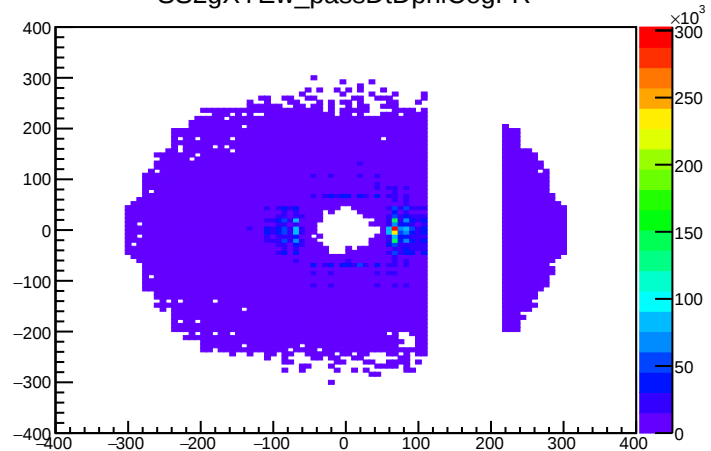
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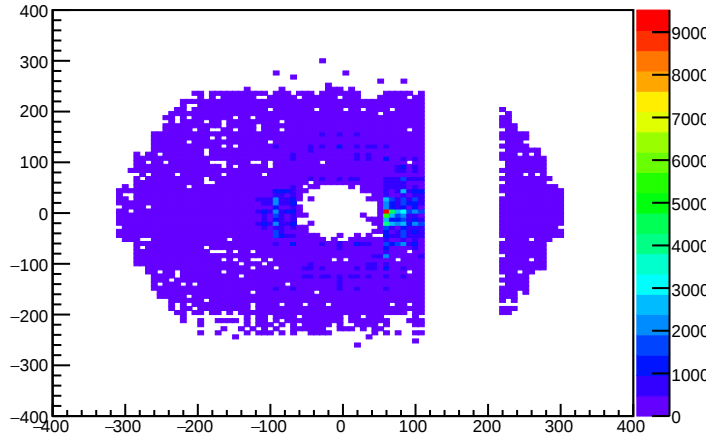
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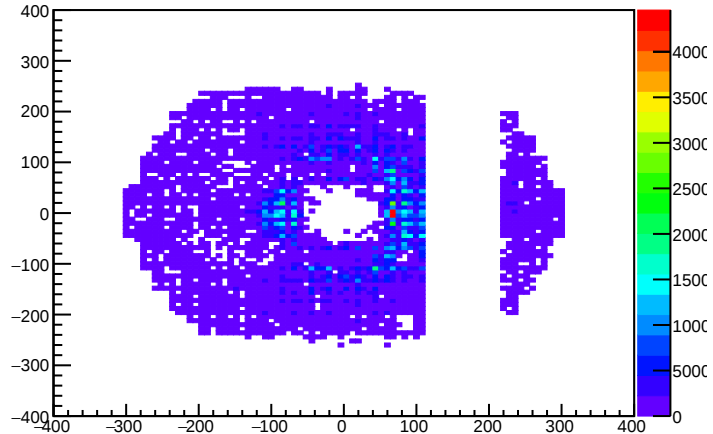
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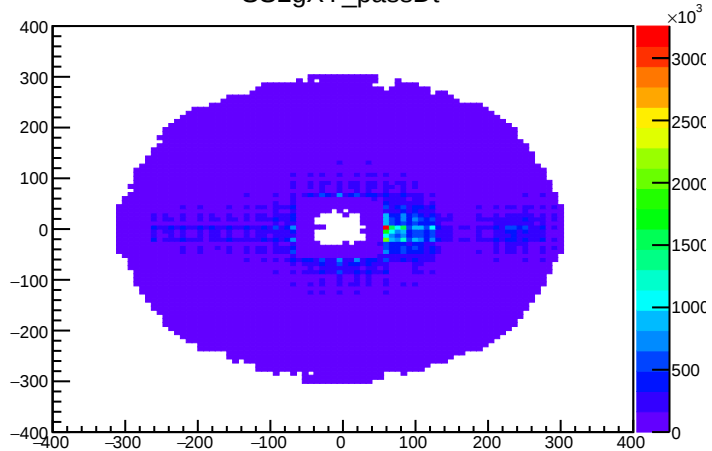
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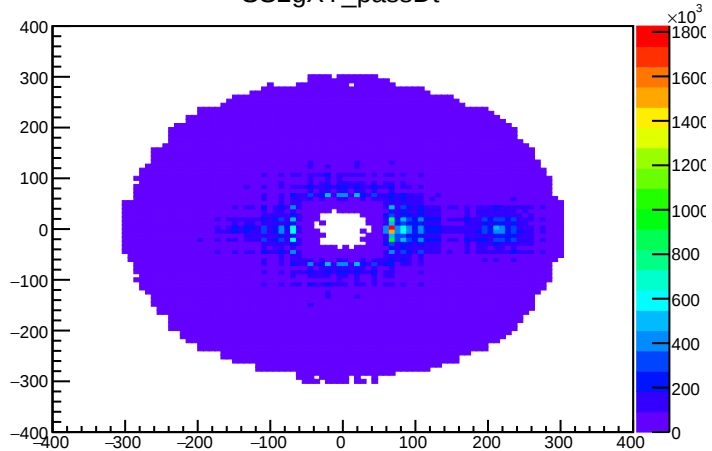
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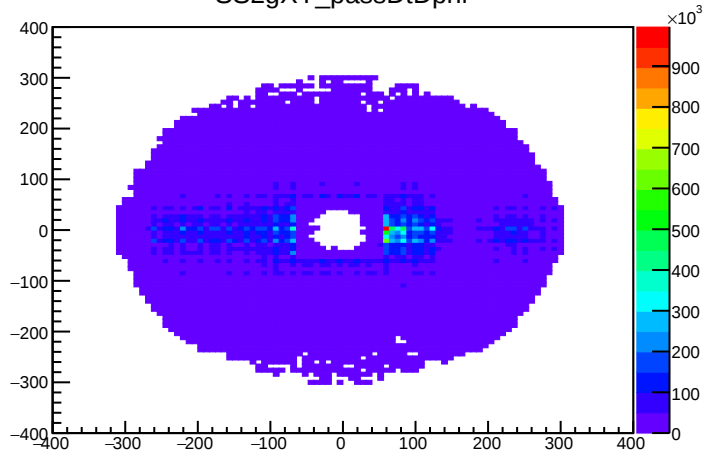
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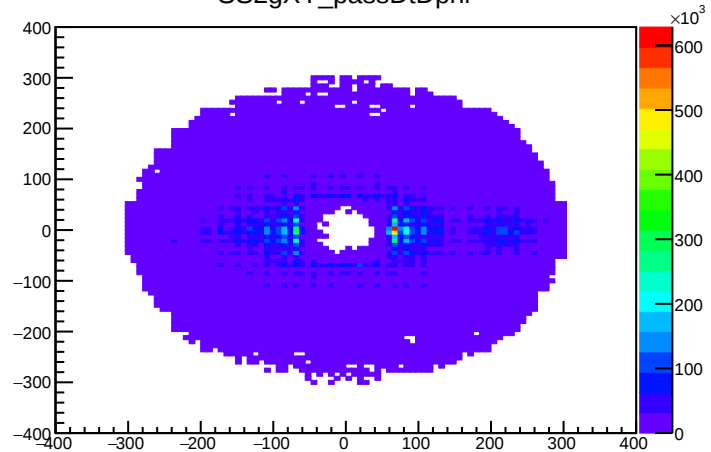
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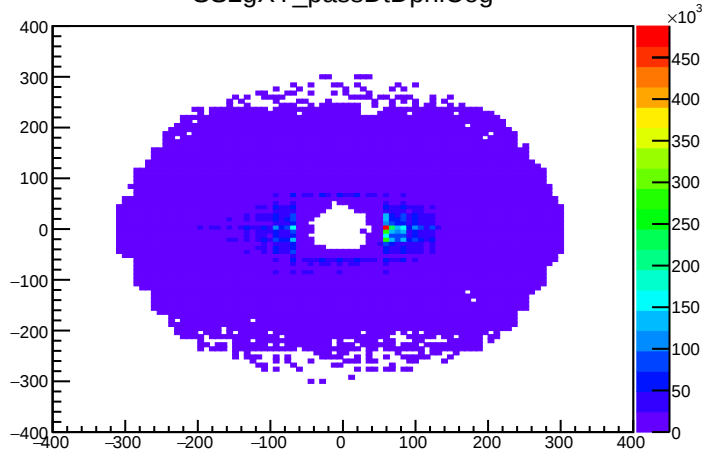
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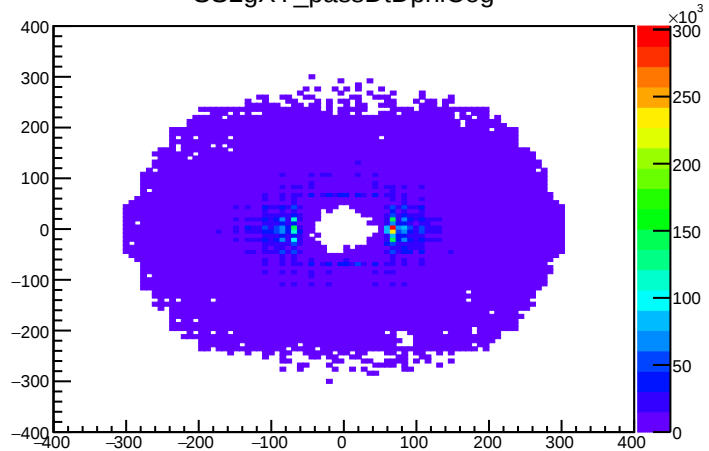
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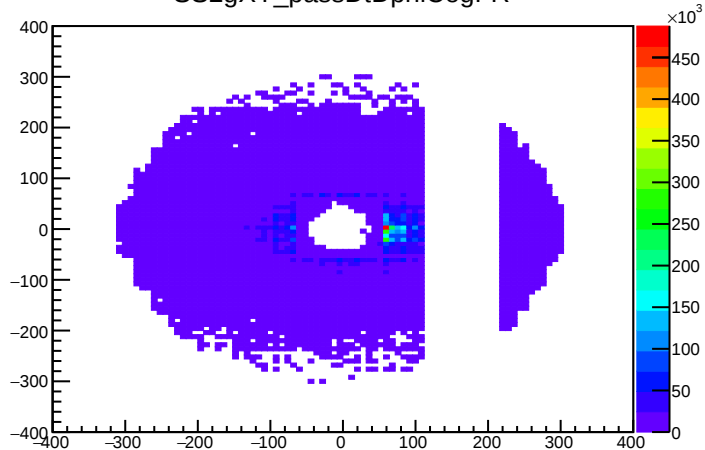
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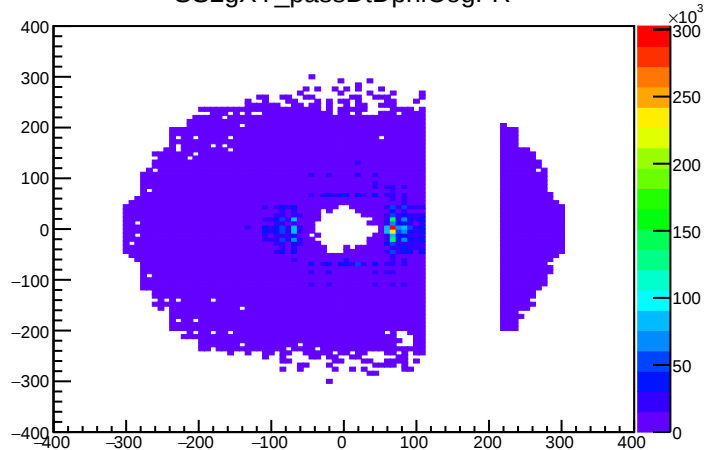
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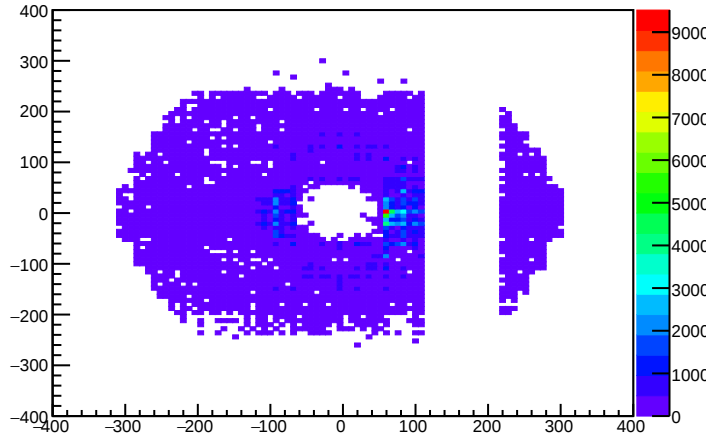
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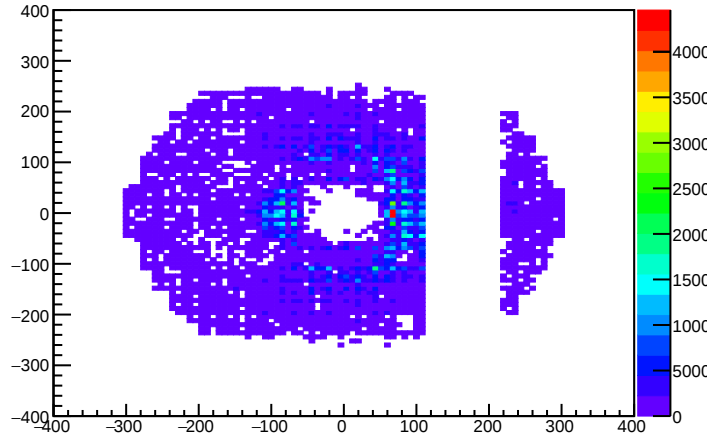
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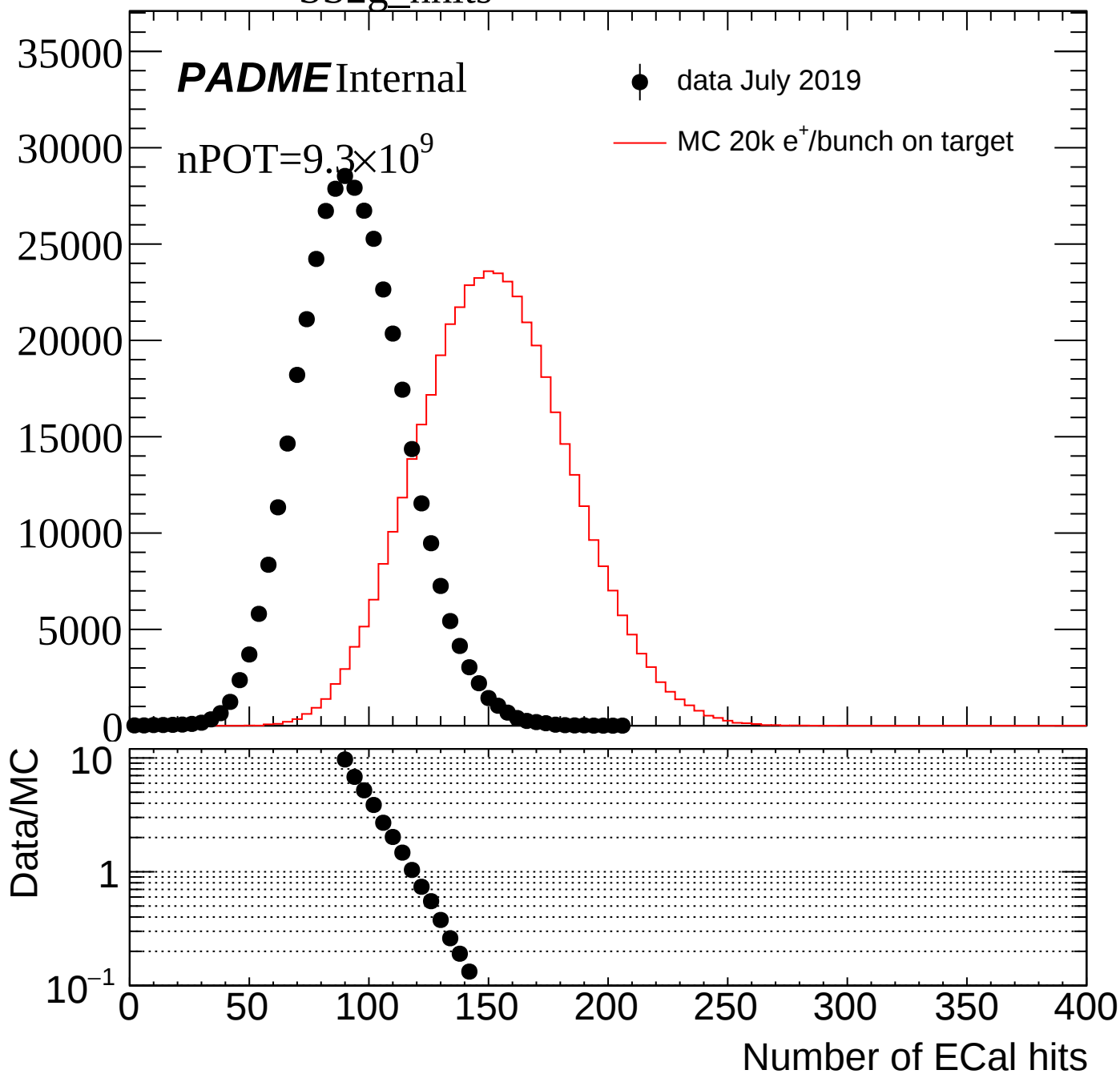
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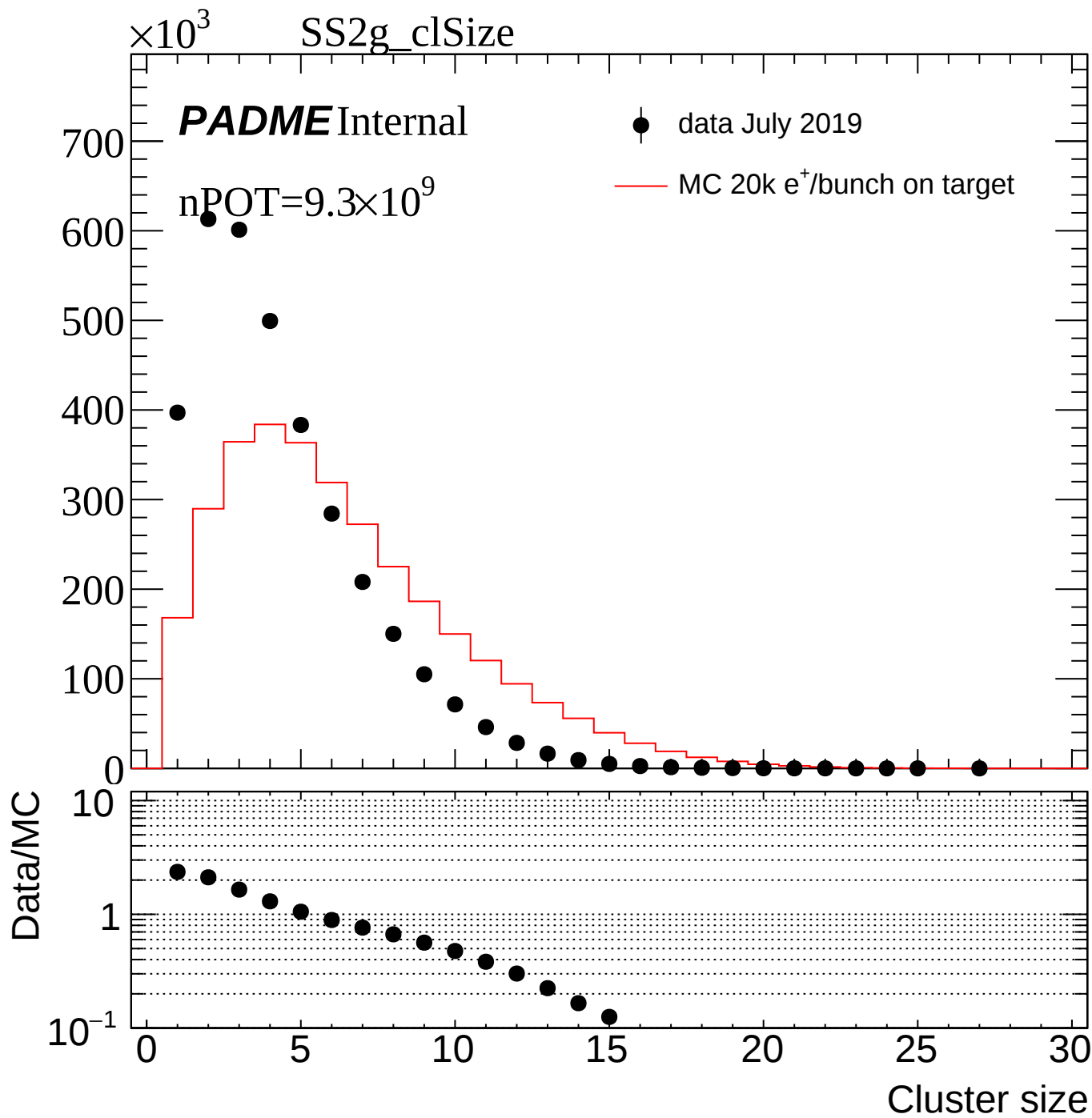


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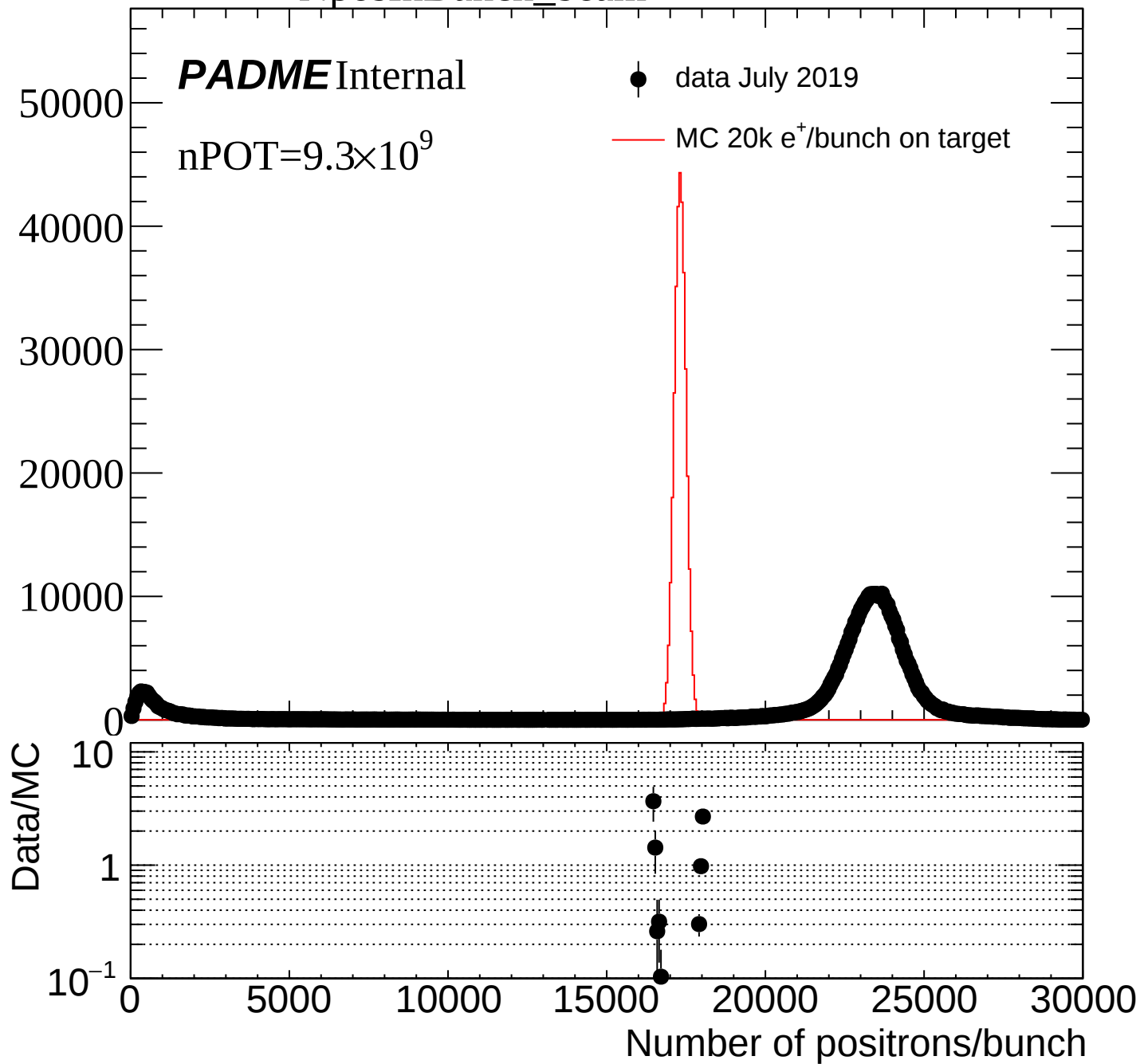


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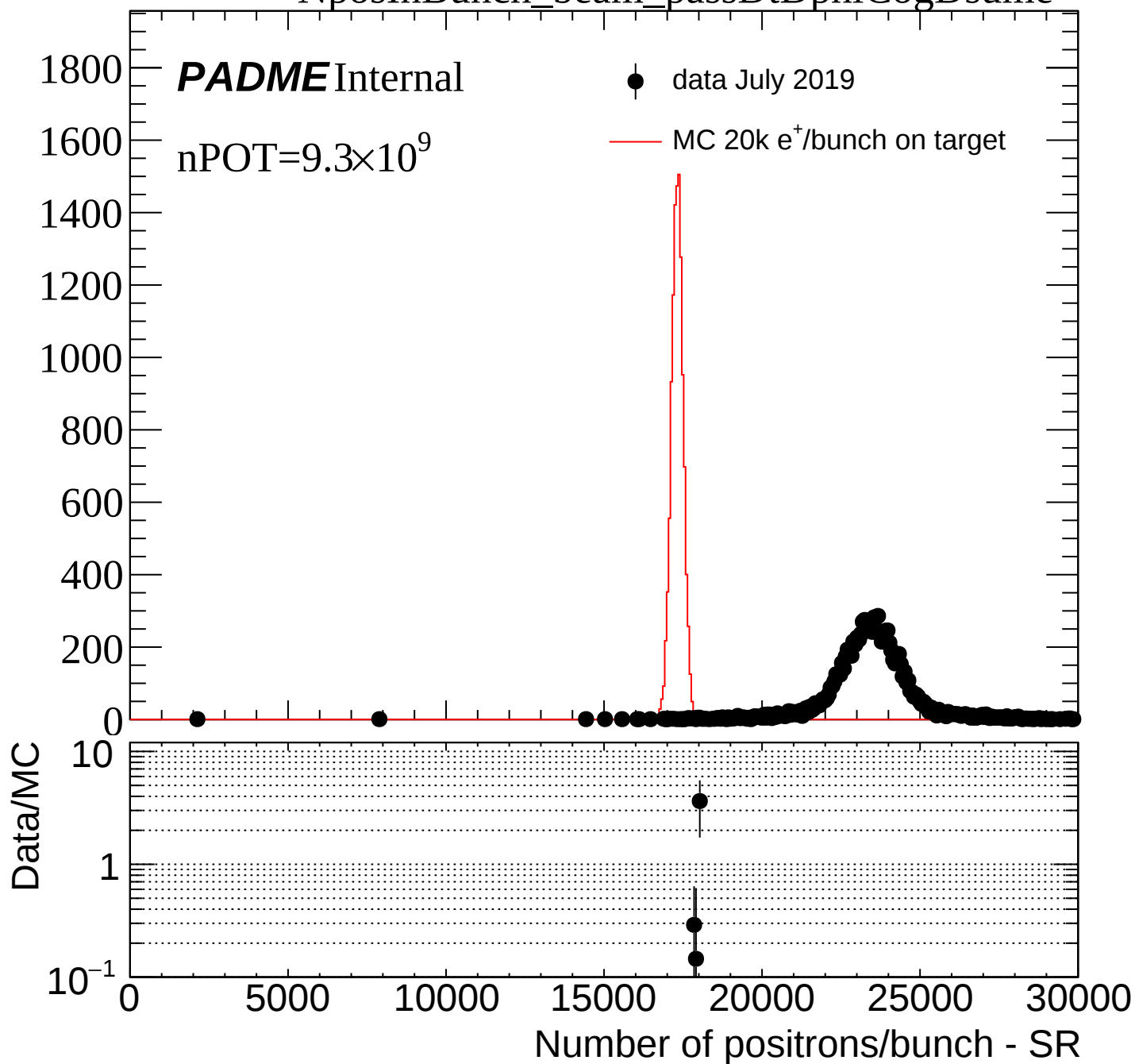




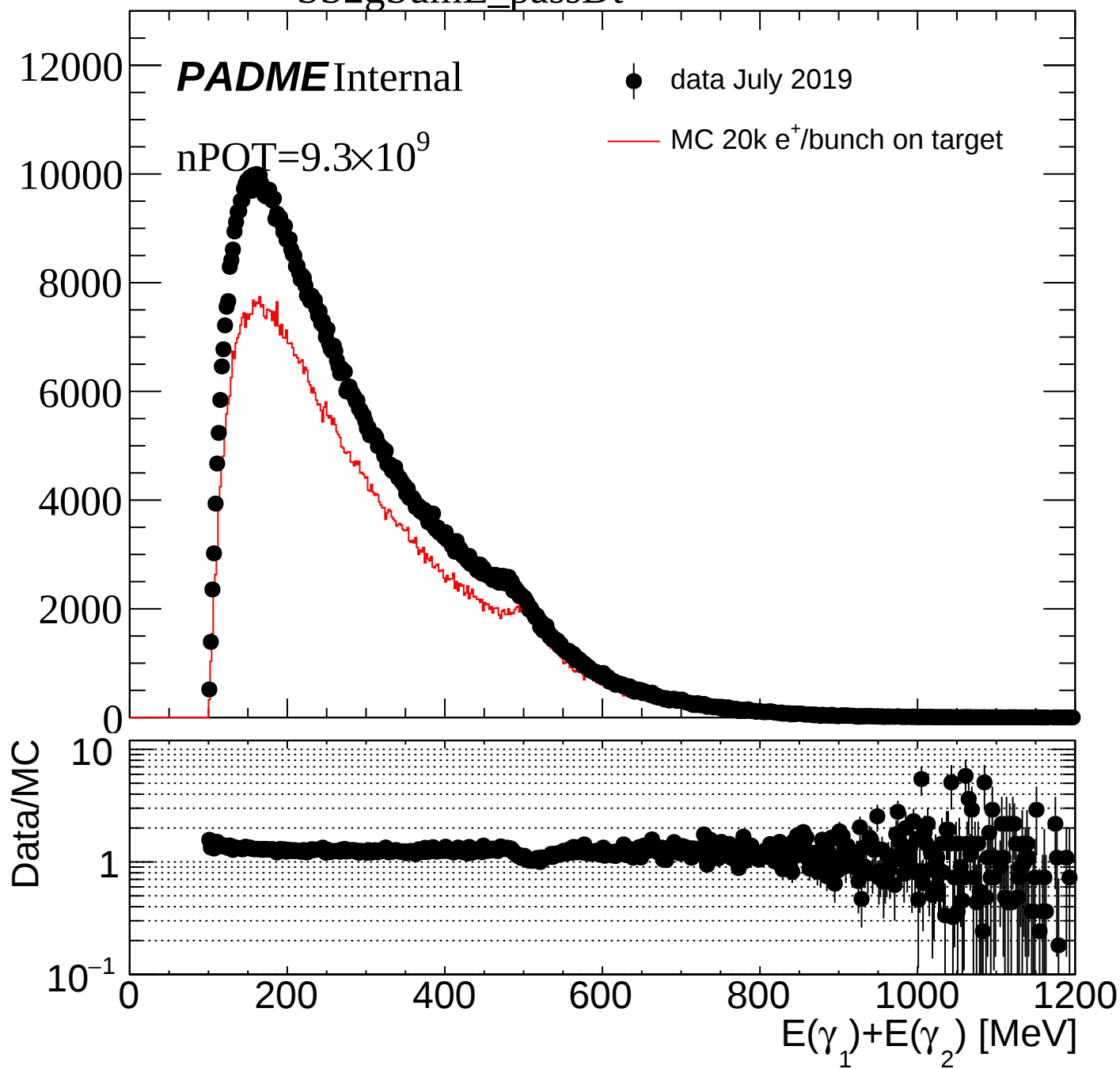
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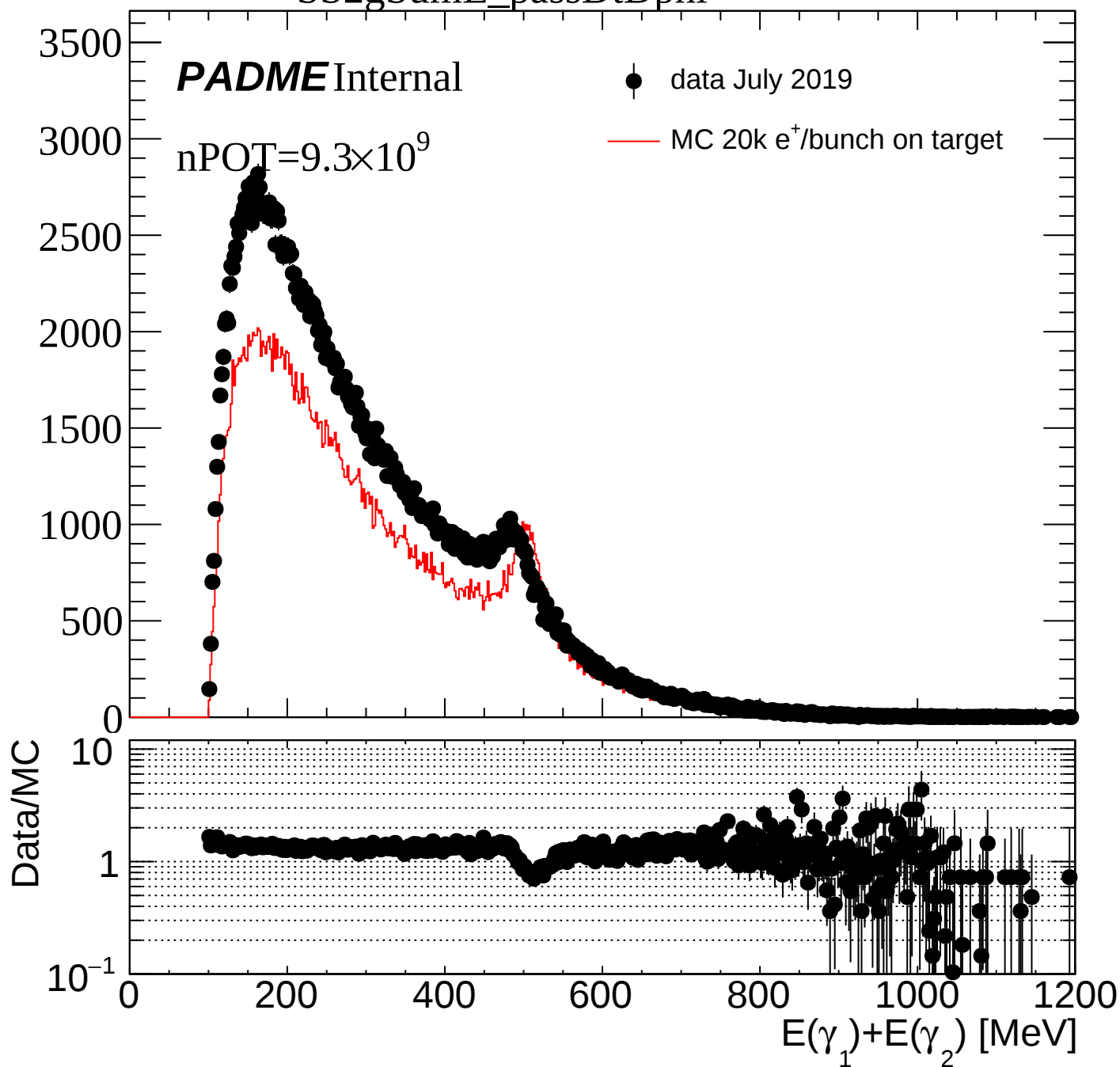
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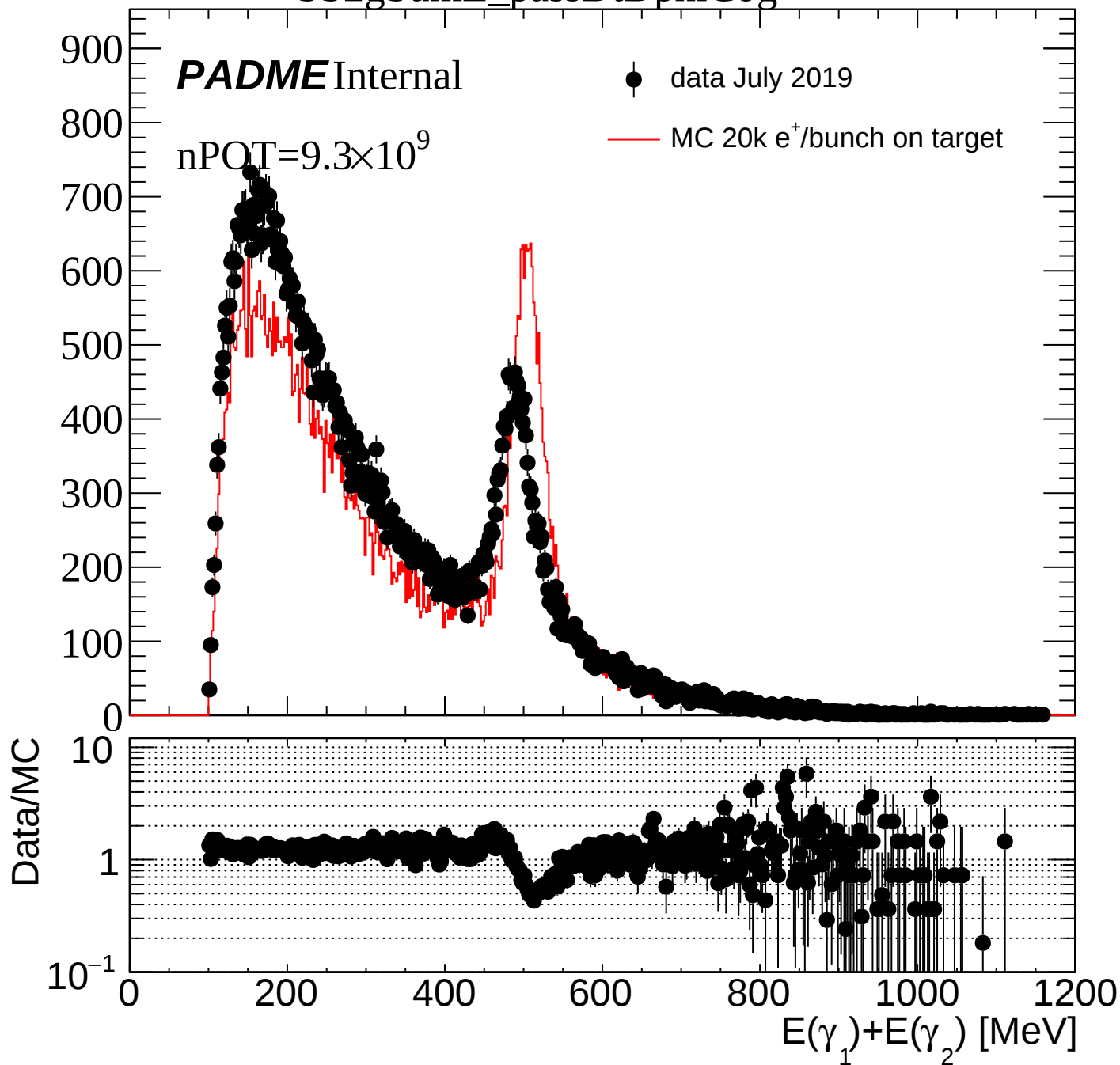
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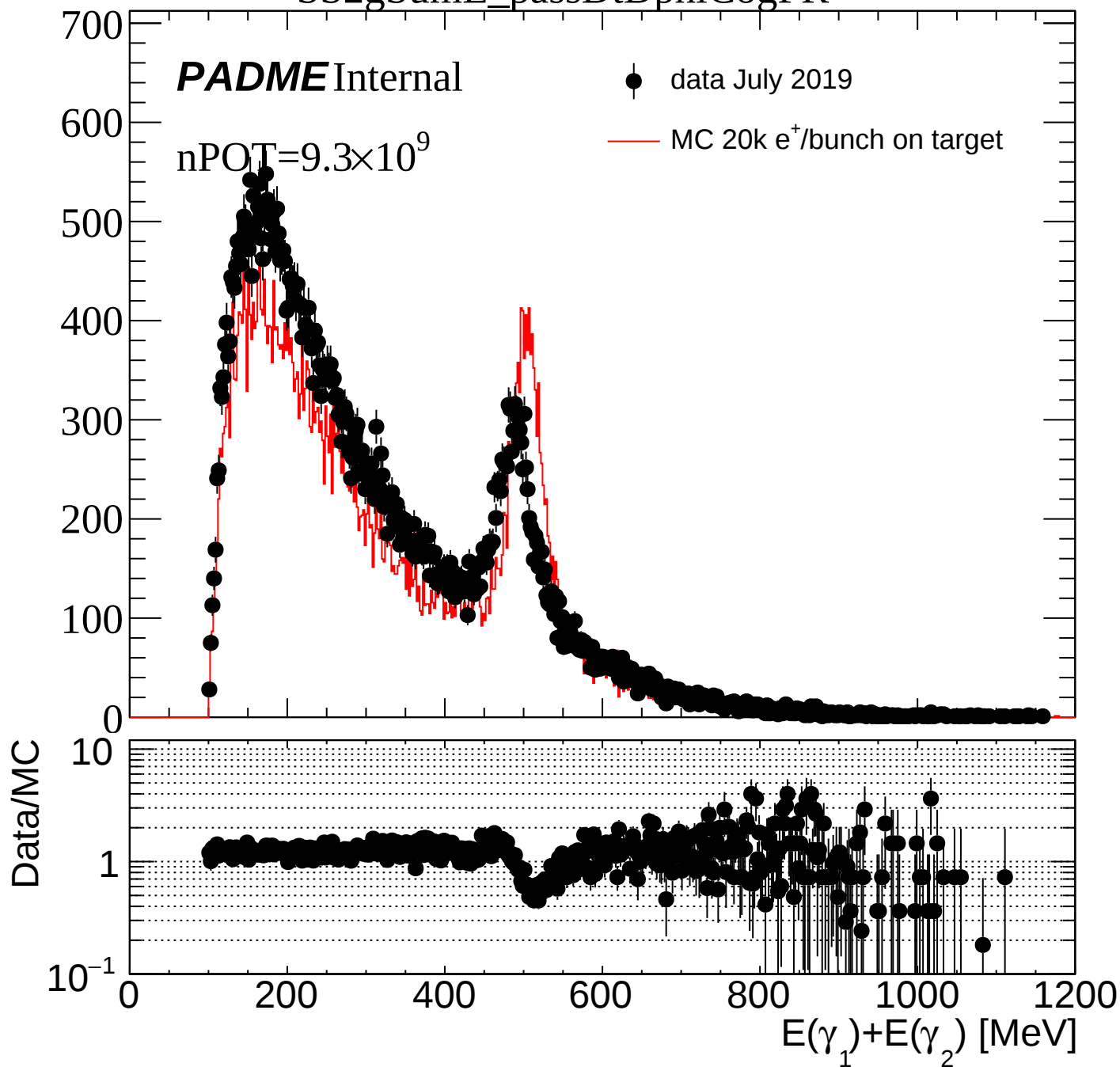
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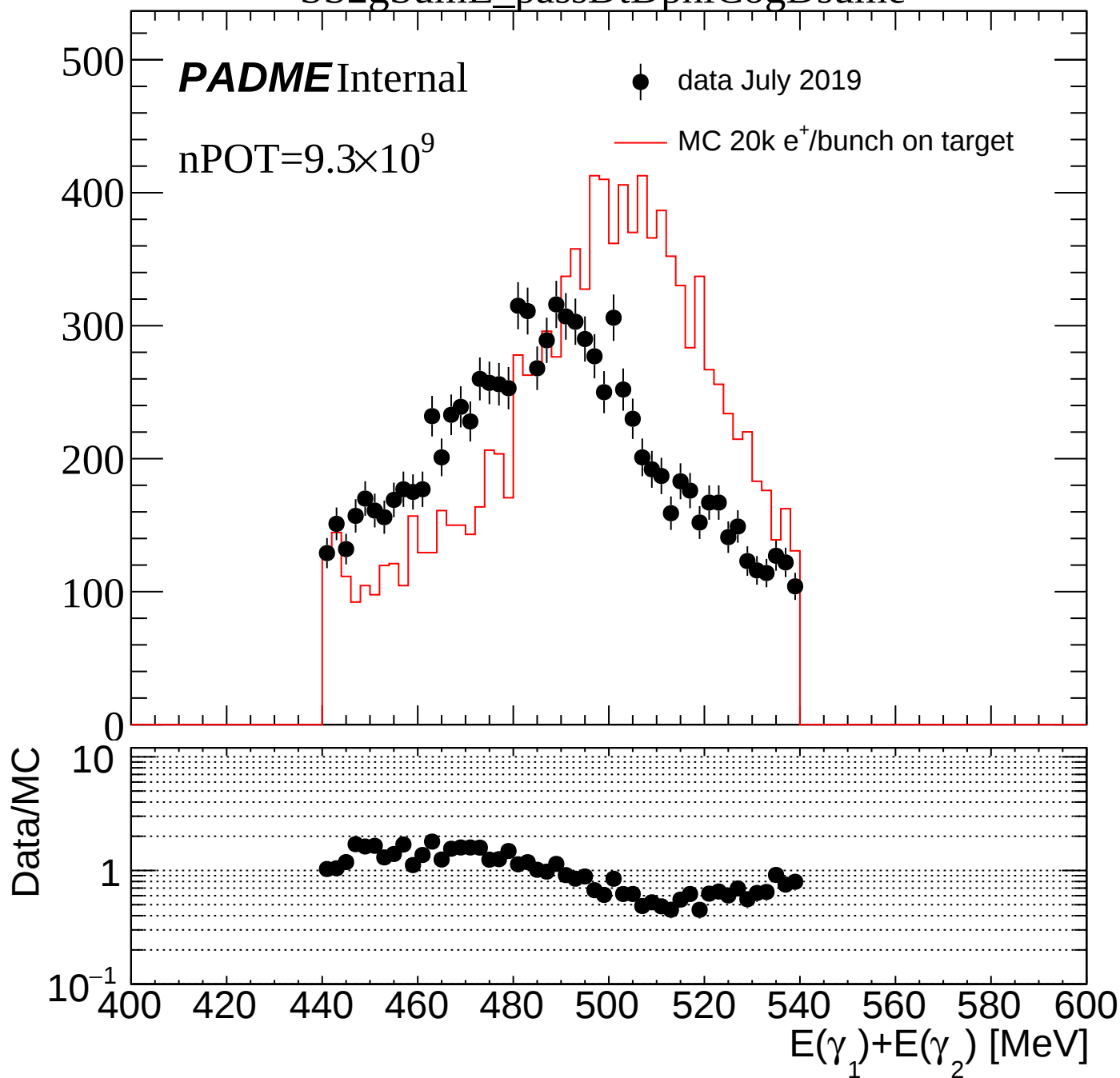
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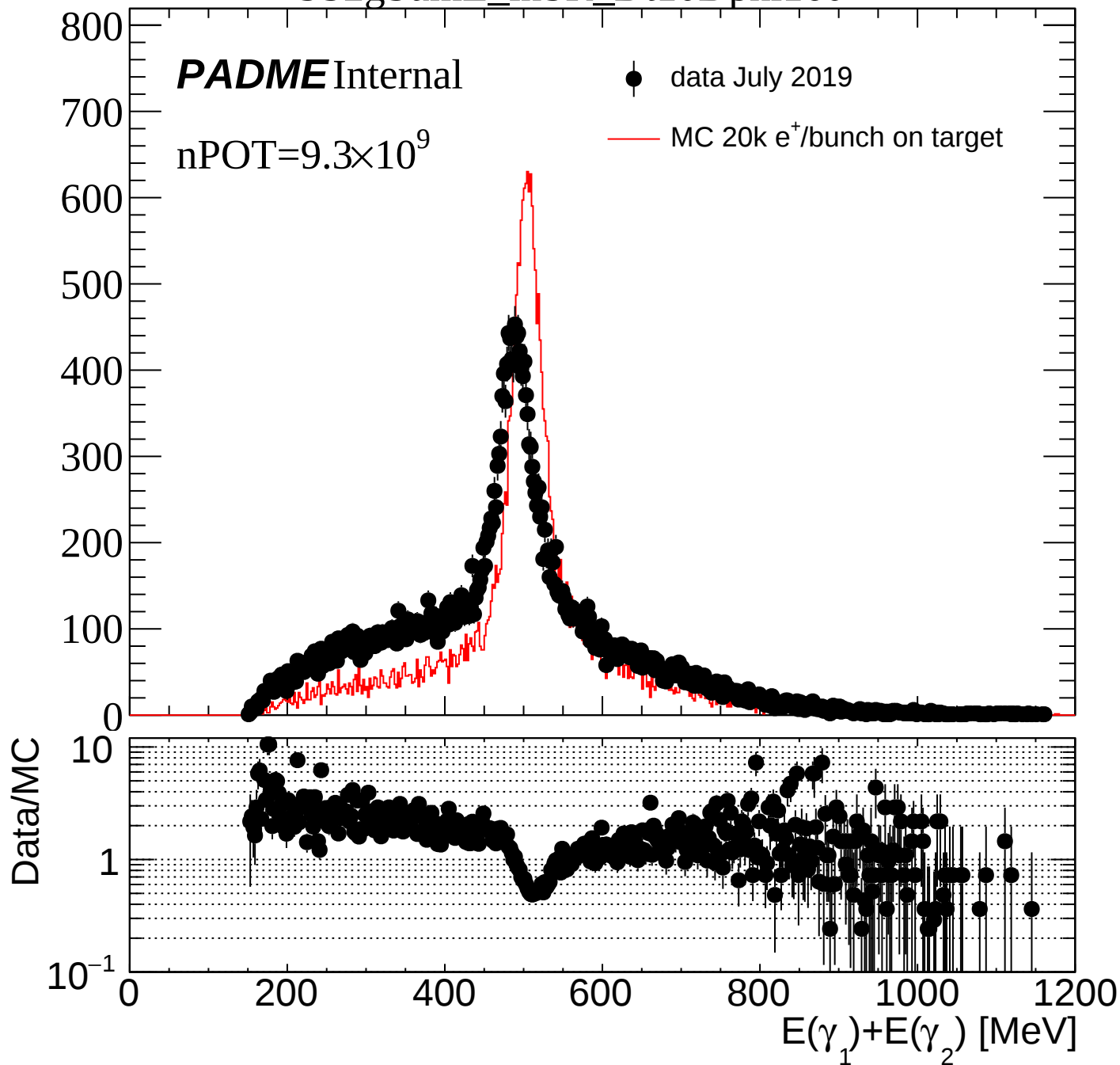
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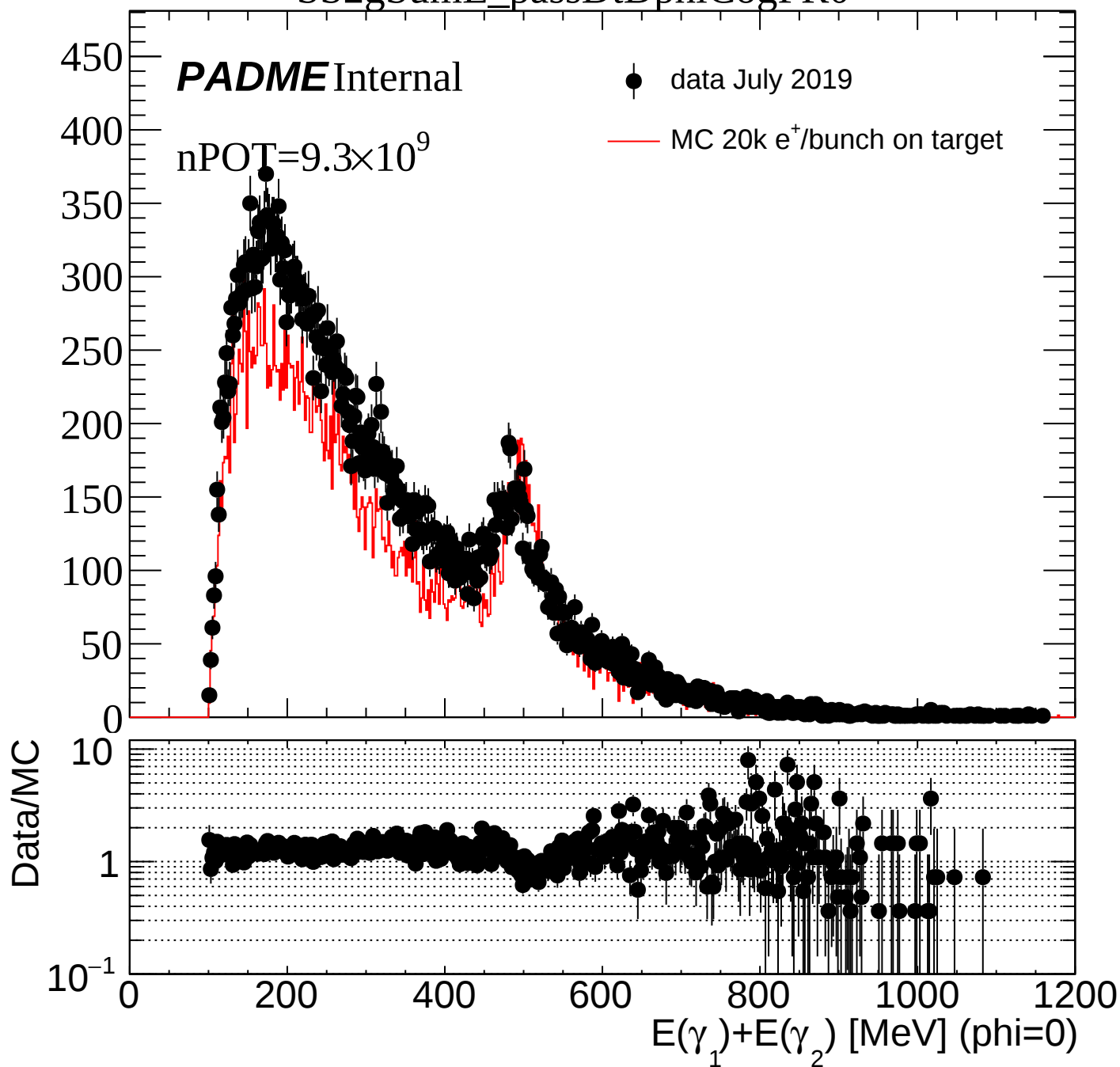
SS2gSumE_passDtDphiCogDsume



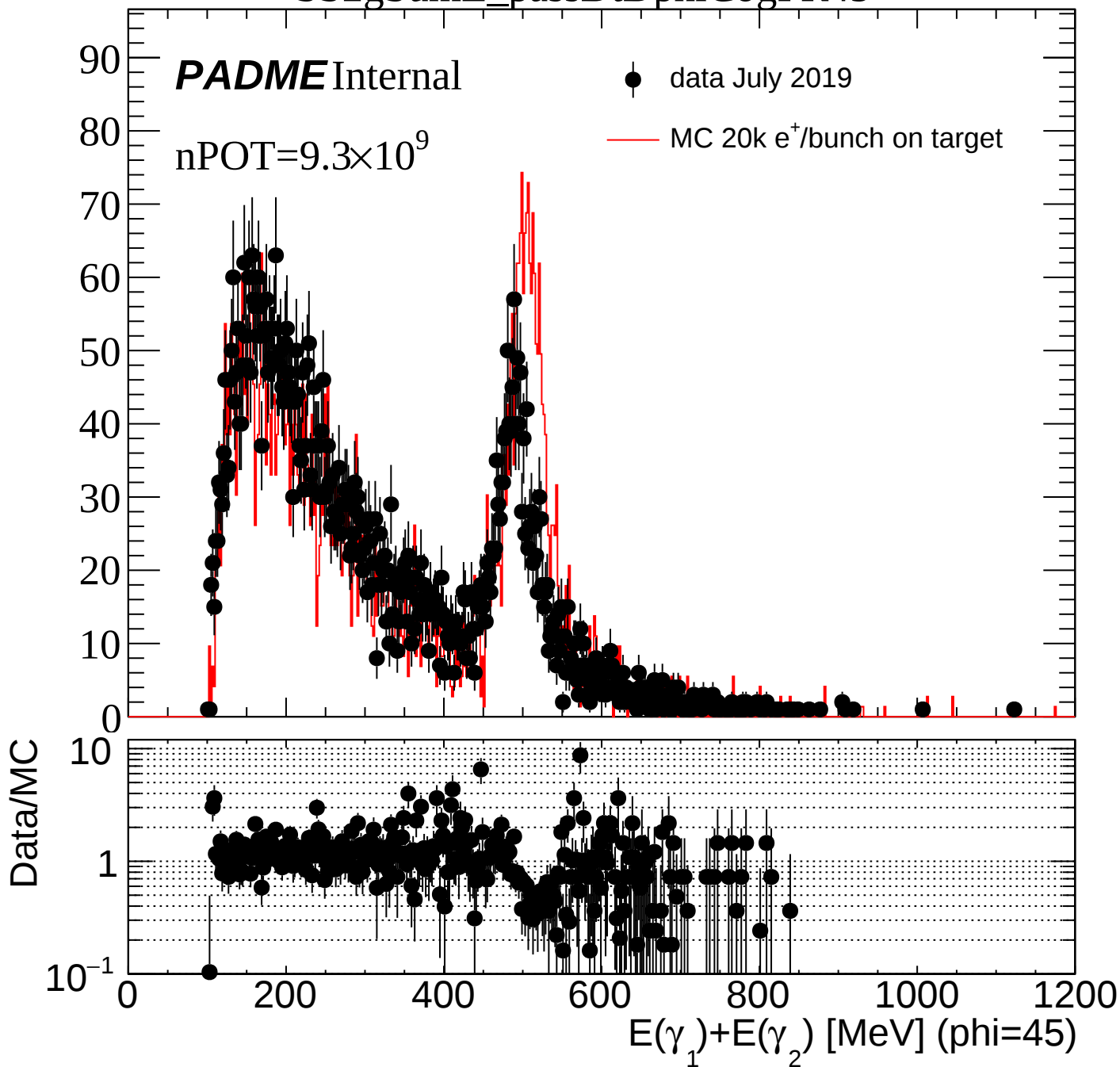
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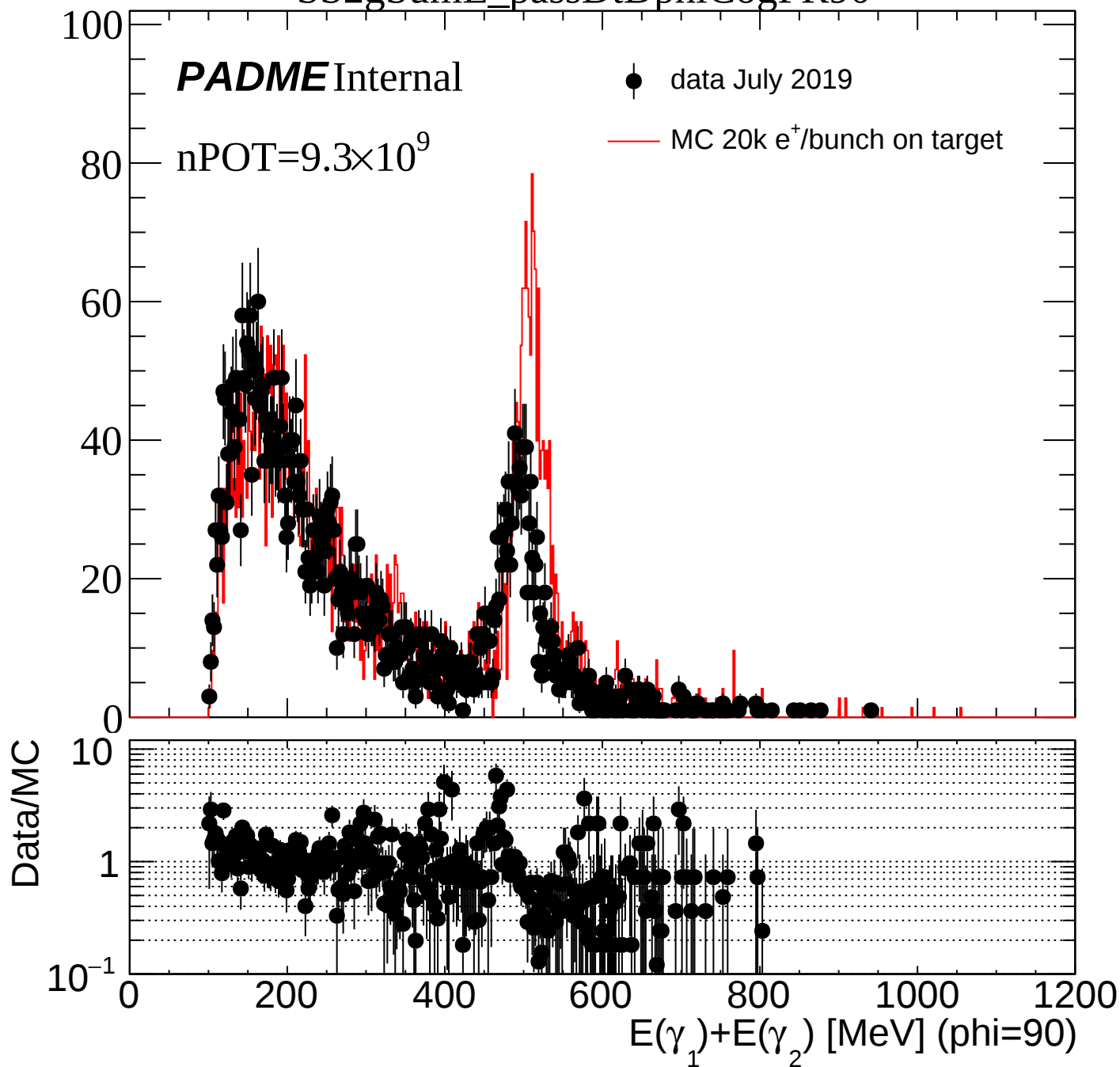
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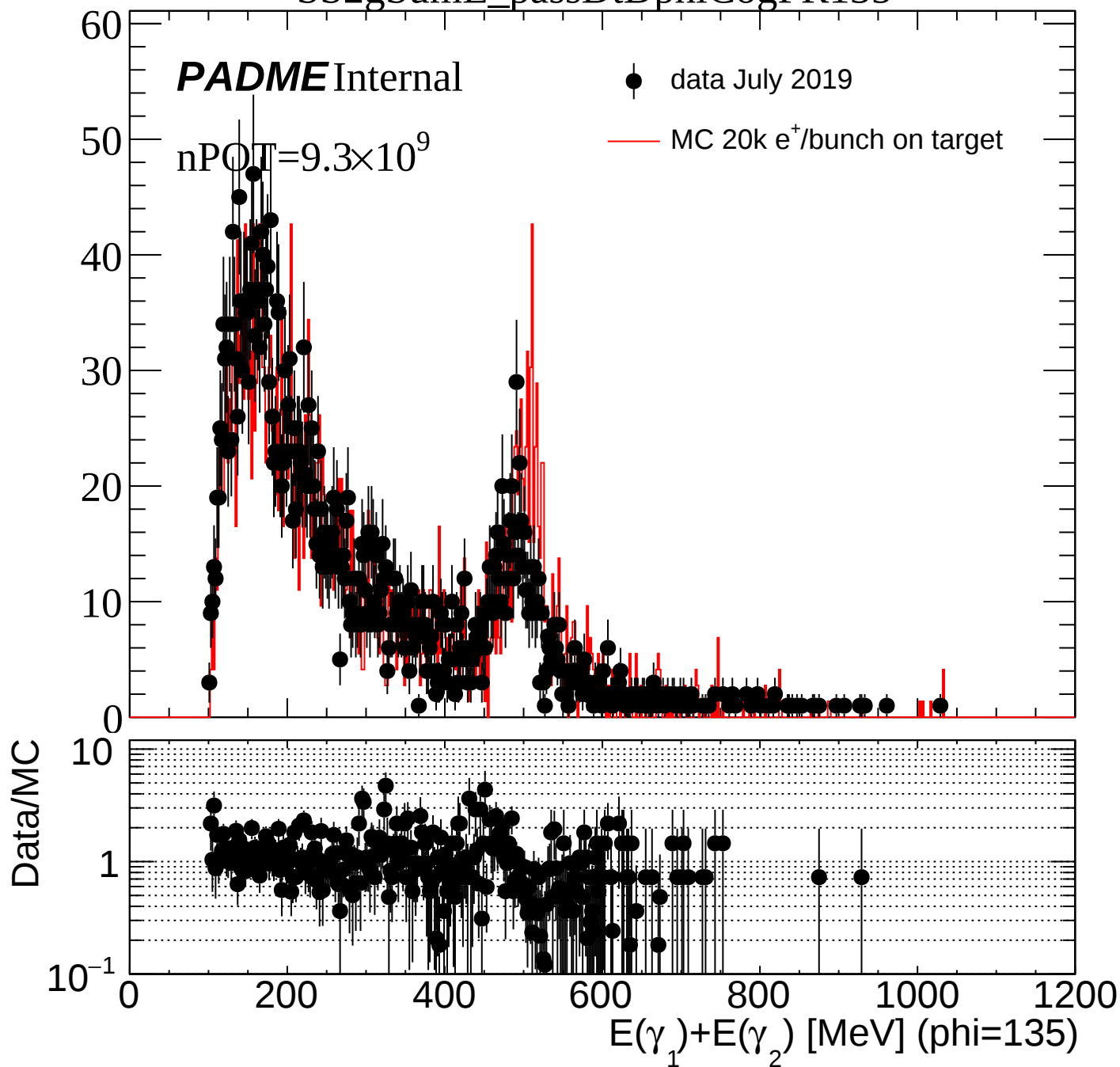
SS2gSumE_passDtDphiCogFR45



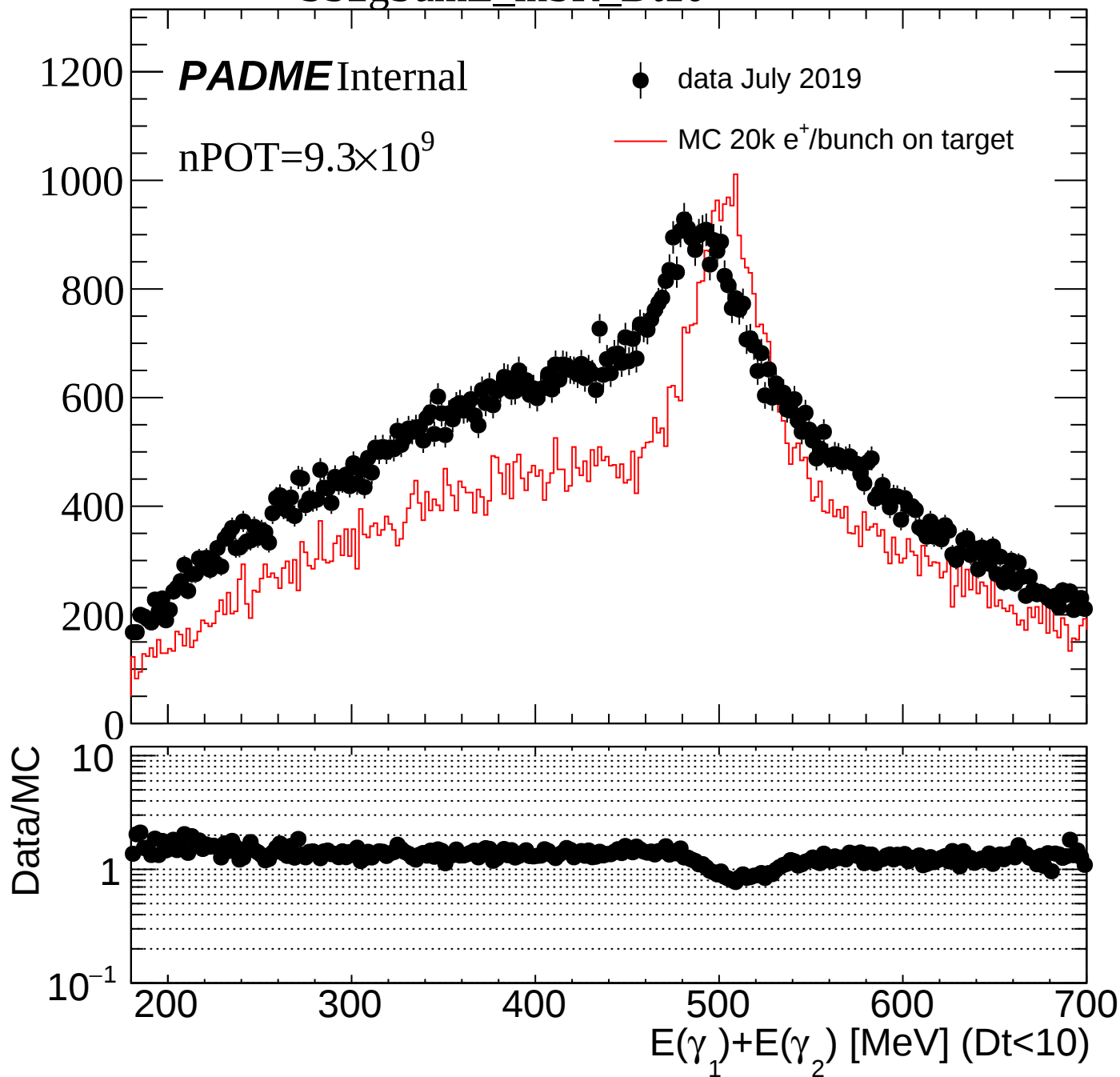
SS2gSumE_passDtDphiCogFR90



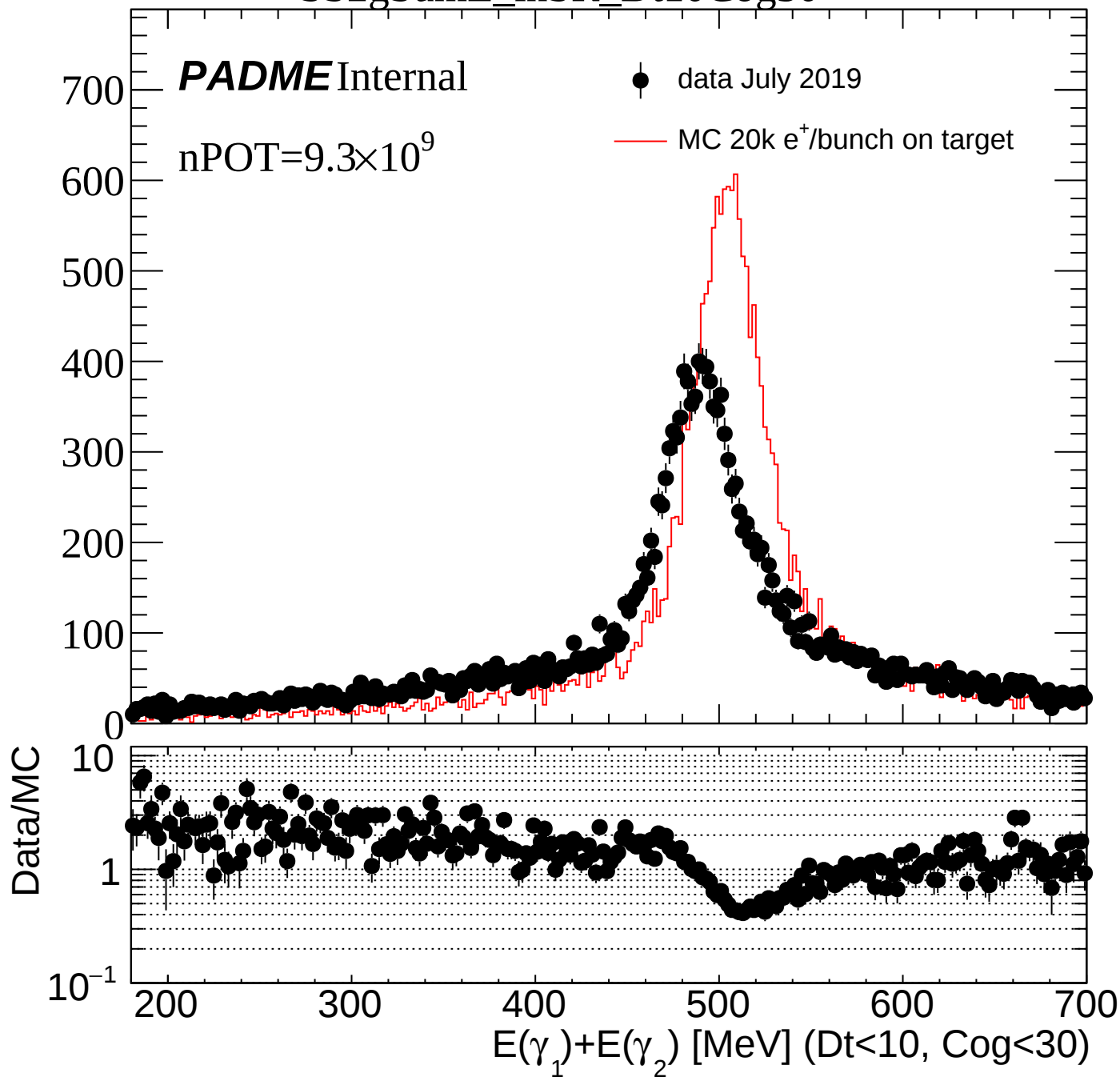
SS2gSumE_passDtDphiCogFR135



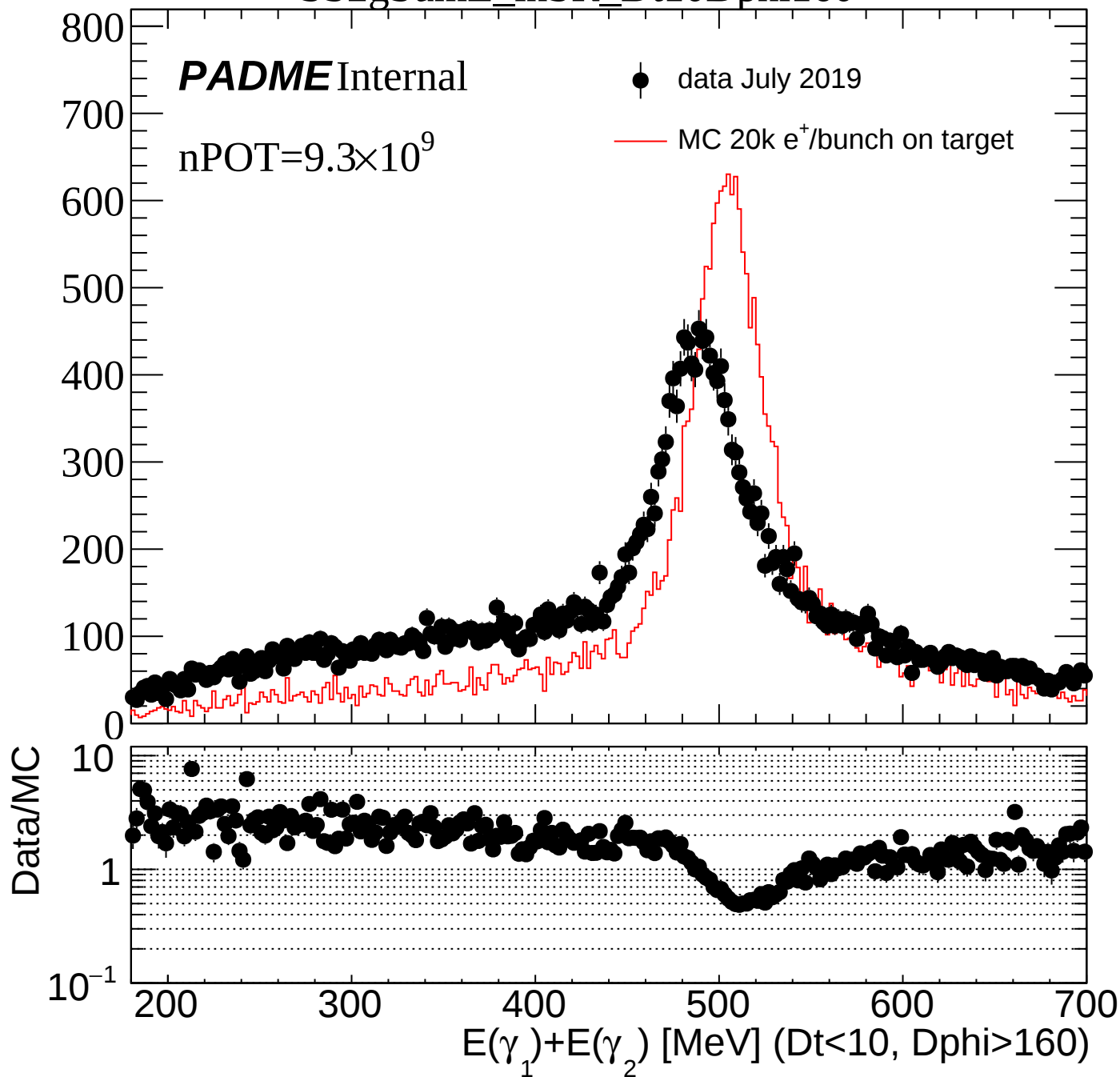
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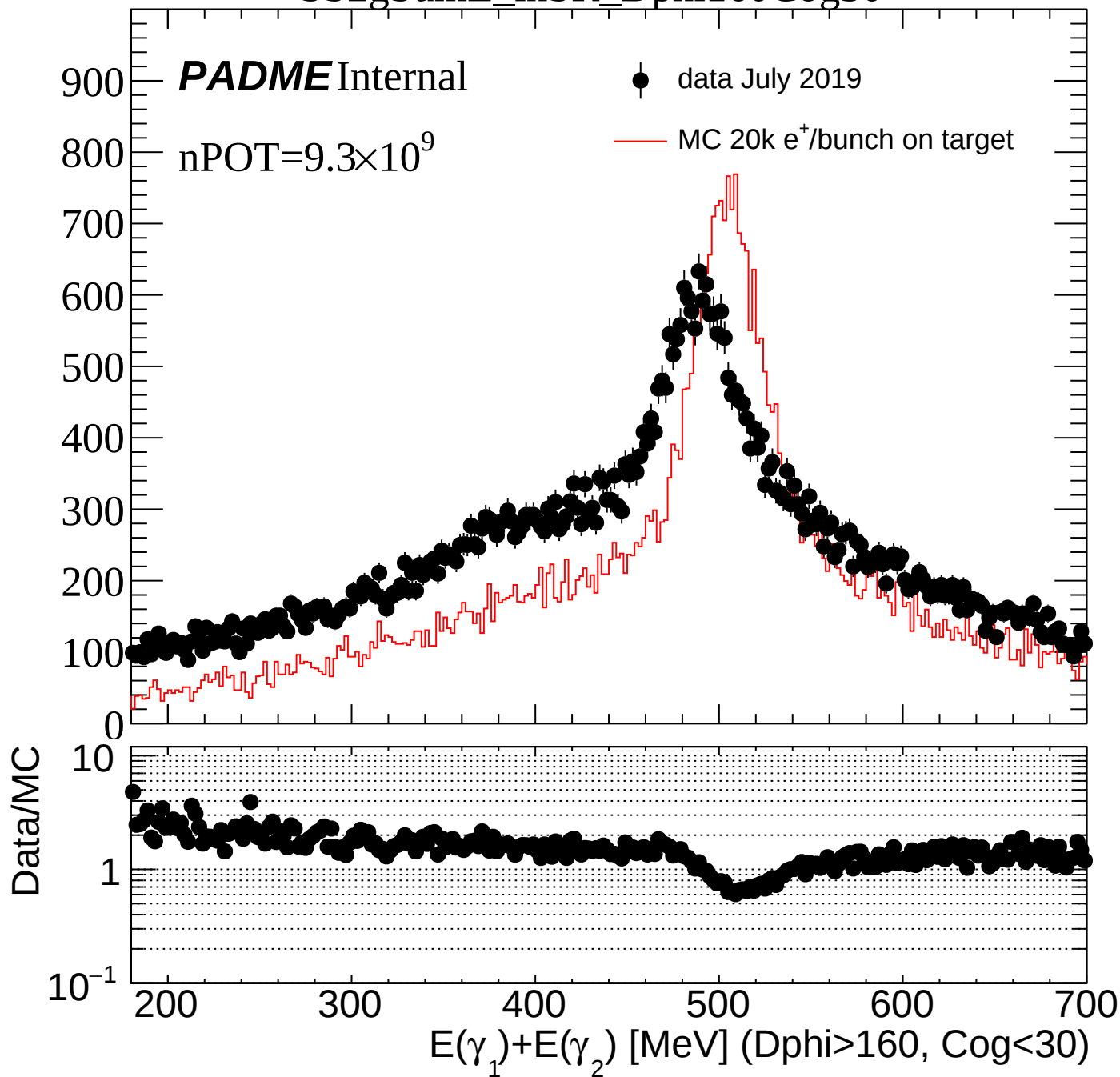
SS2gSumE_inSR_Dt10Cog30



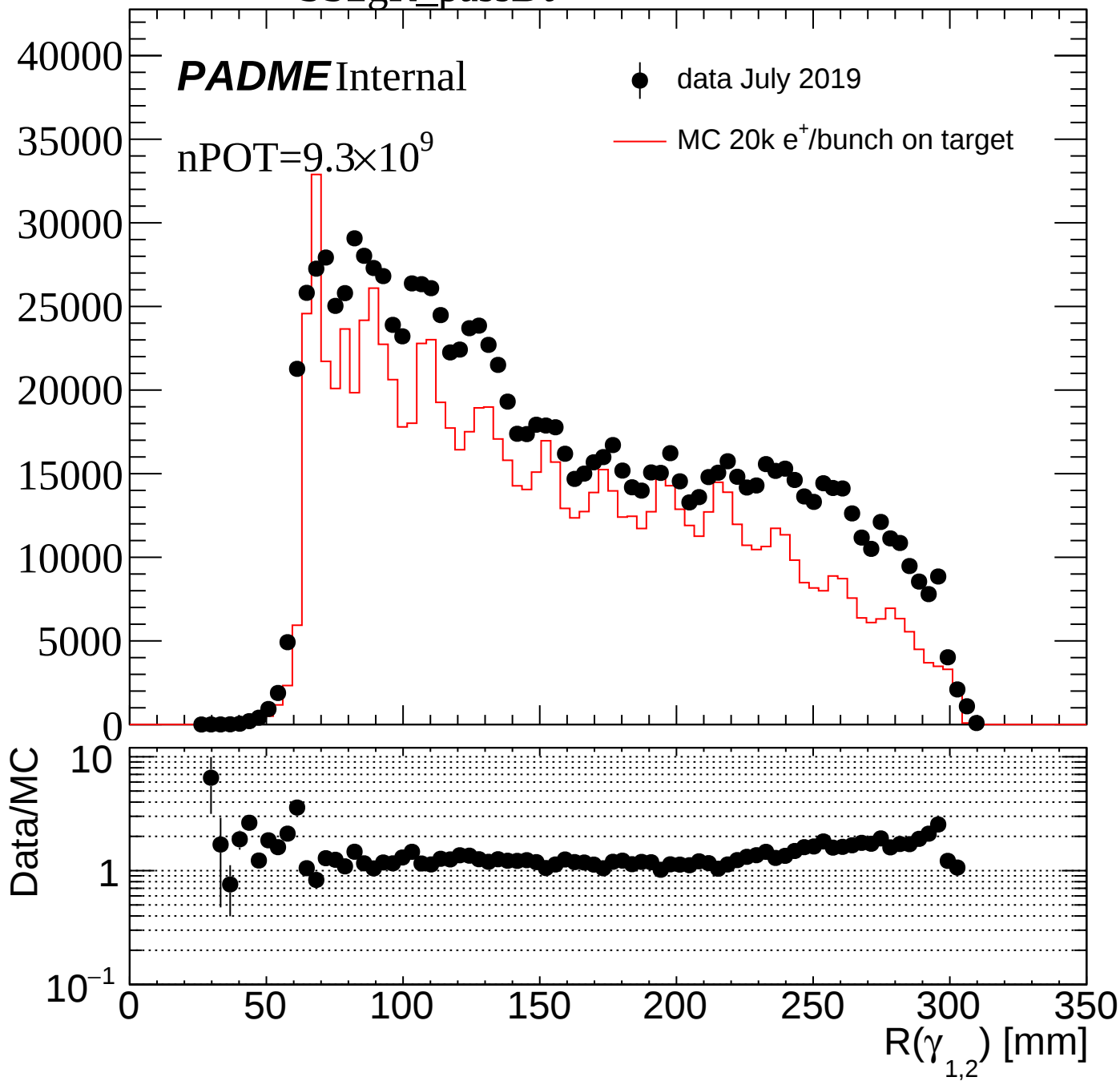
SS2gSumE_inSR_Dt10Dphi160



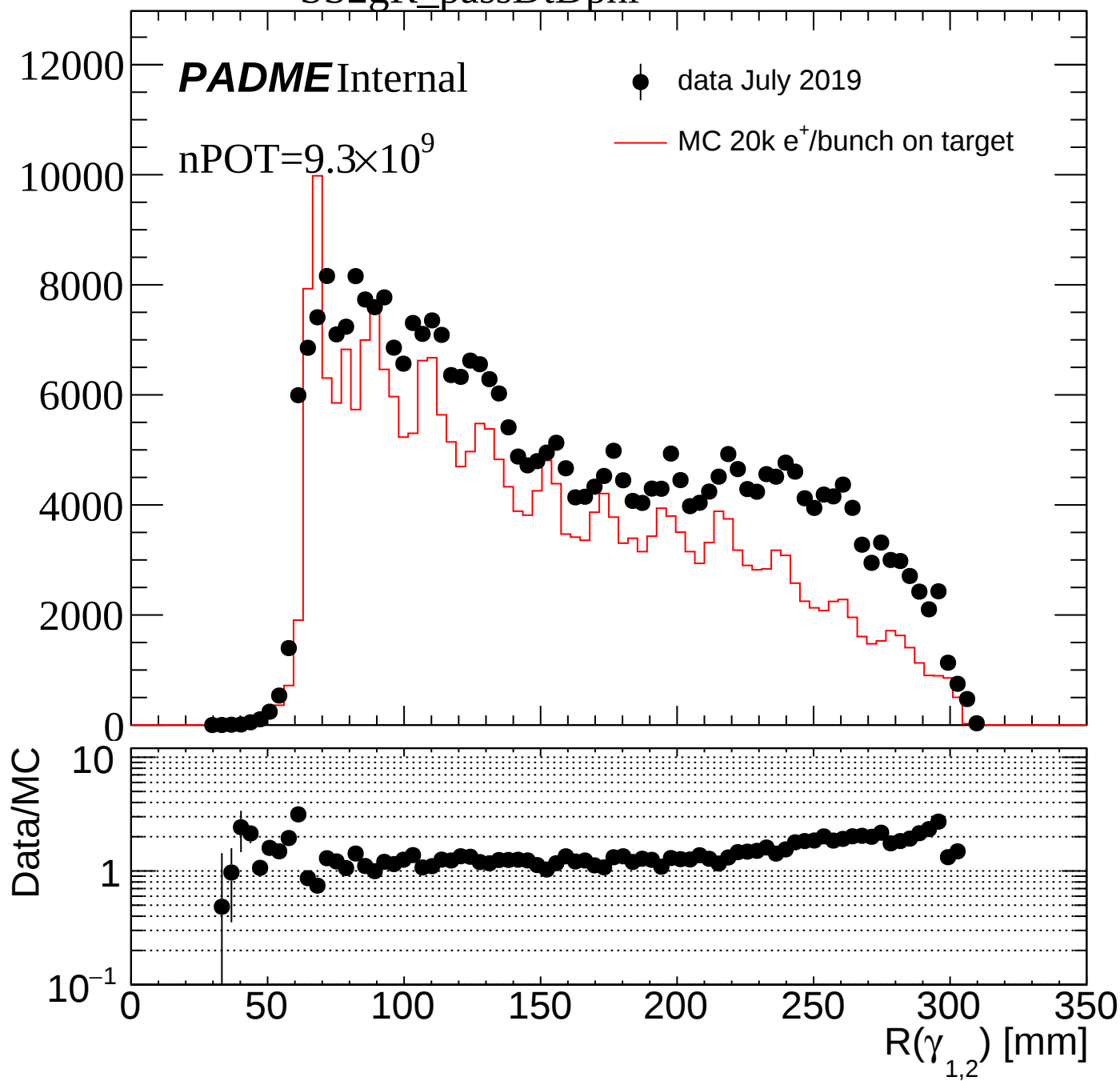
SS2gSumE_inSR_Dphi160Cog30



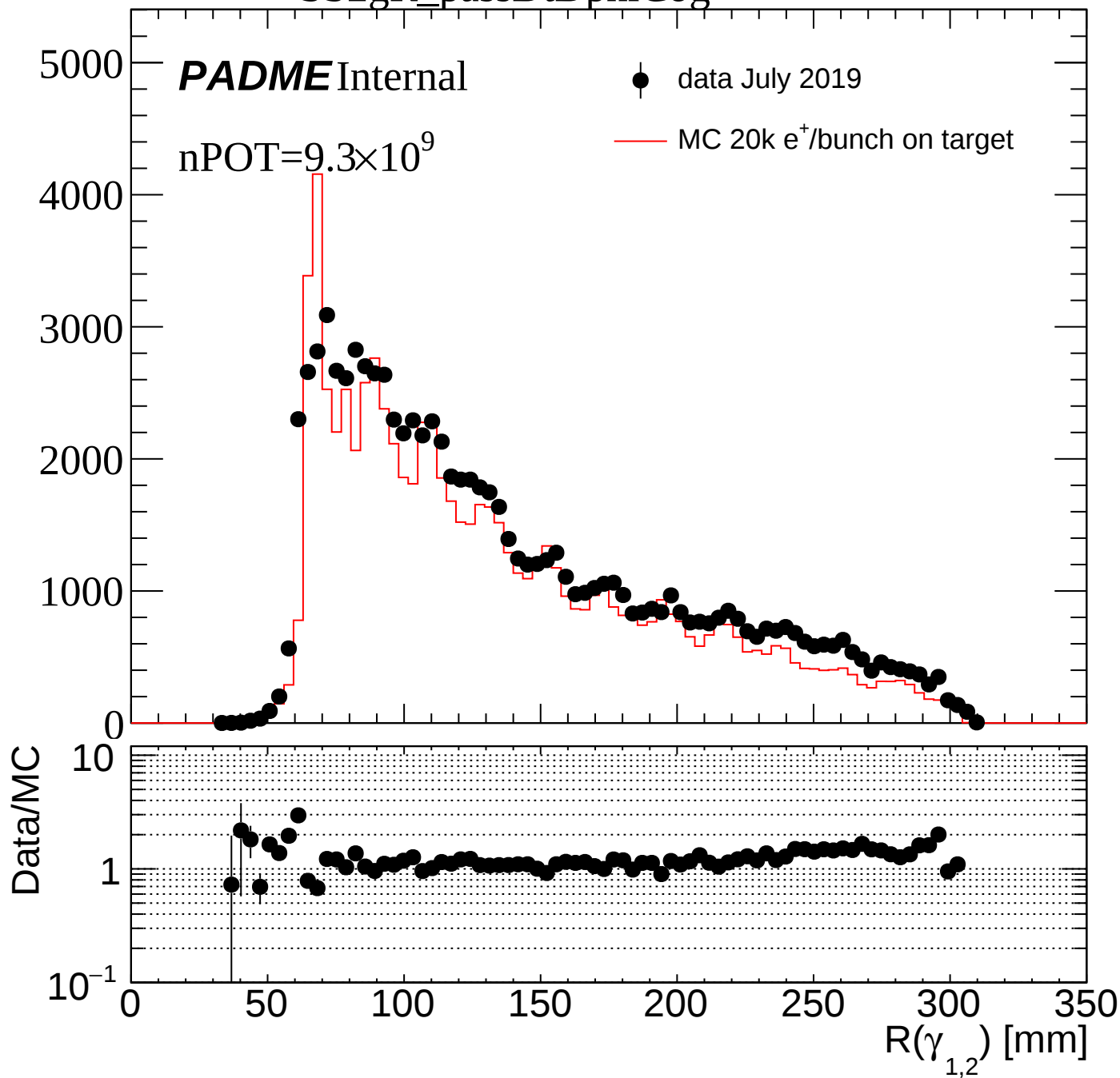
SS2gR_passDt



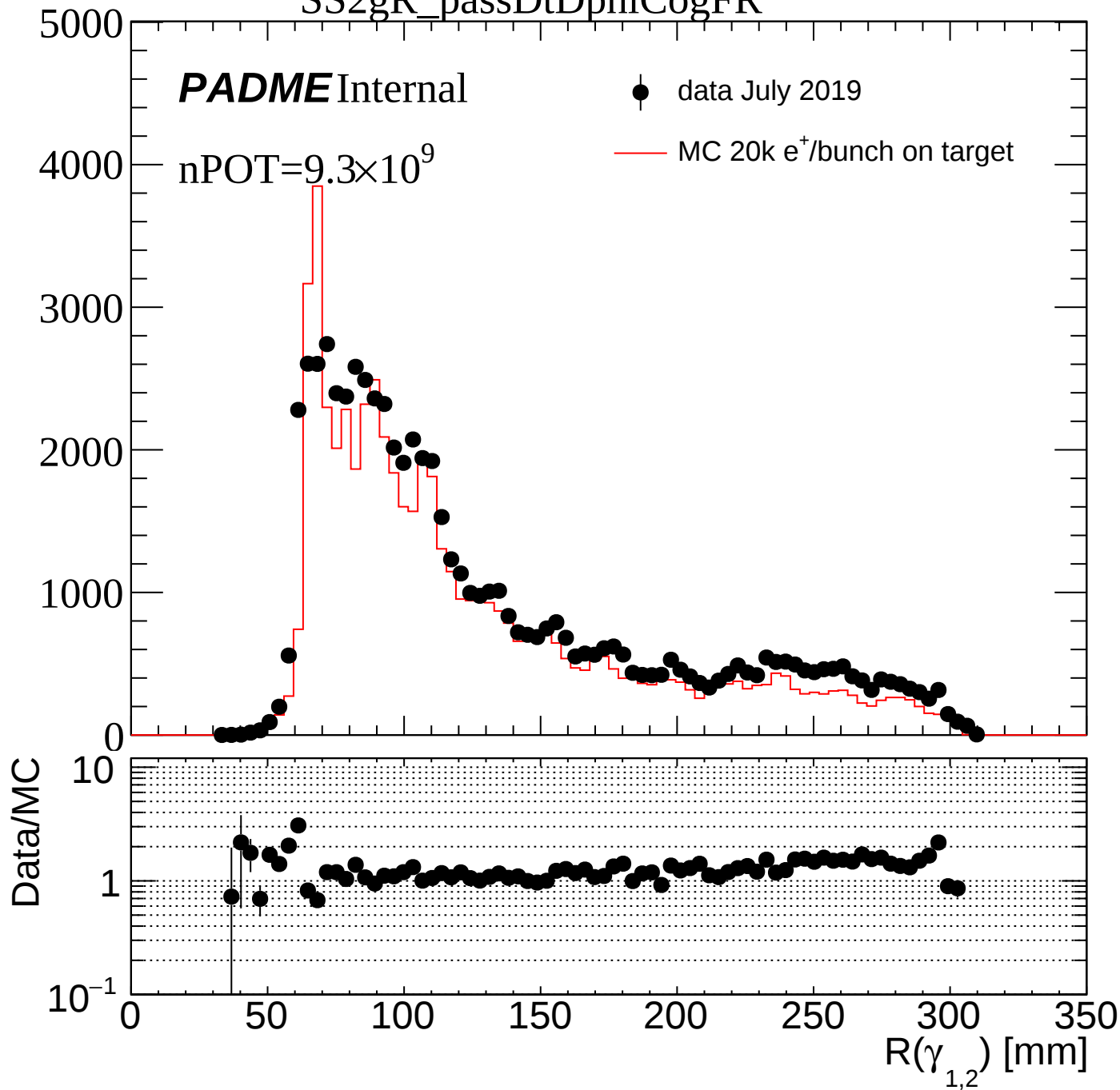
SS2gR_passDtDphi



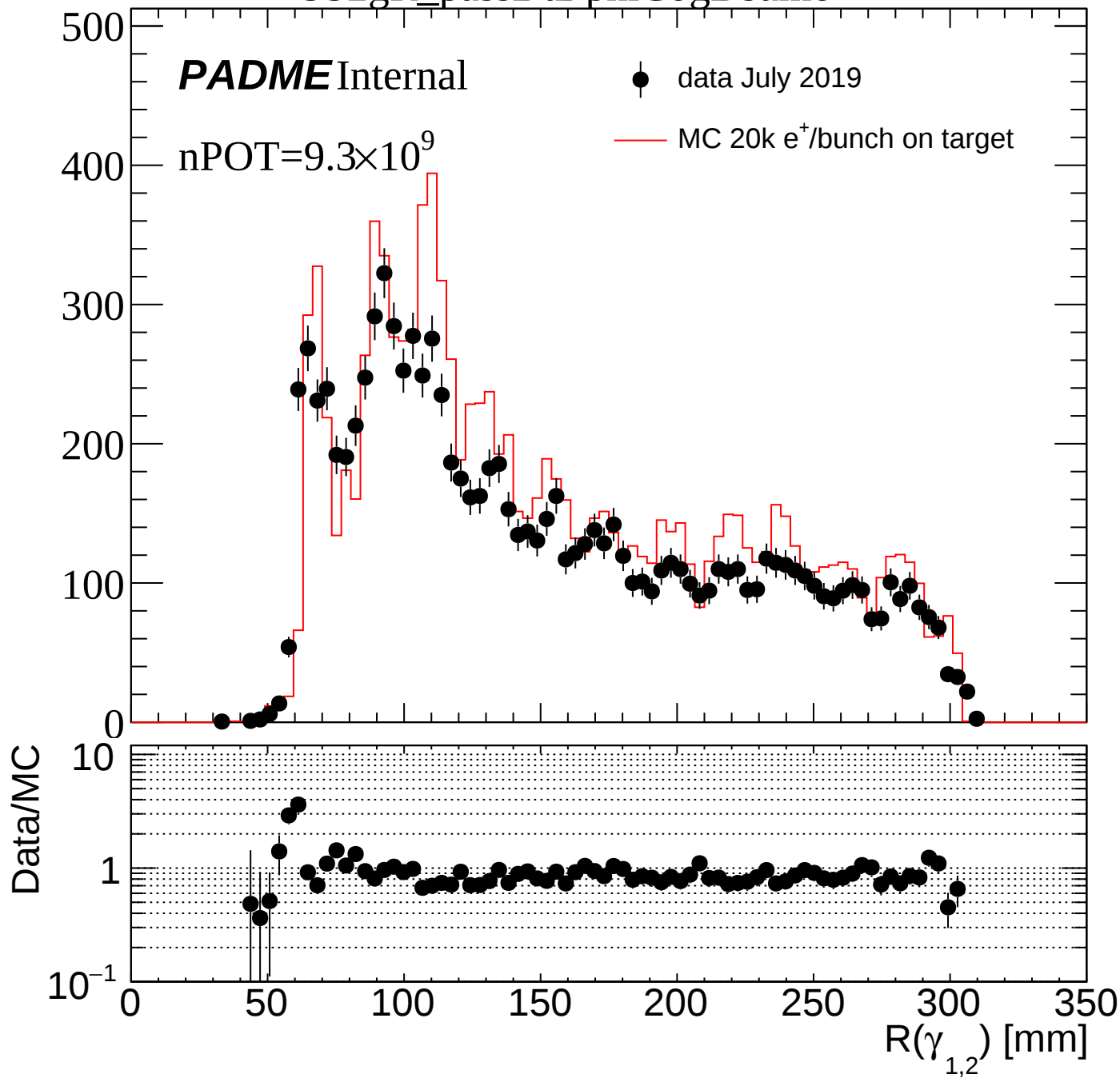
SS2gR_passDtDphiCog



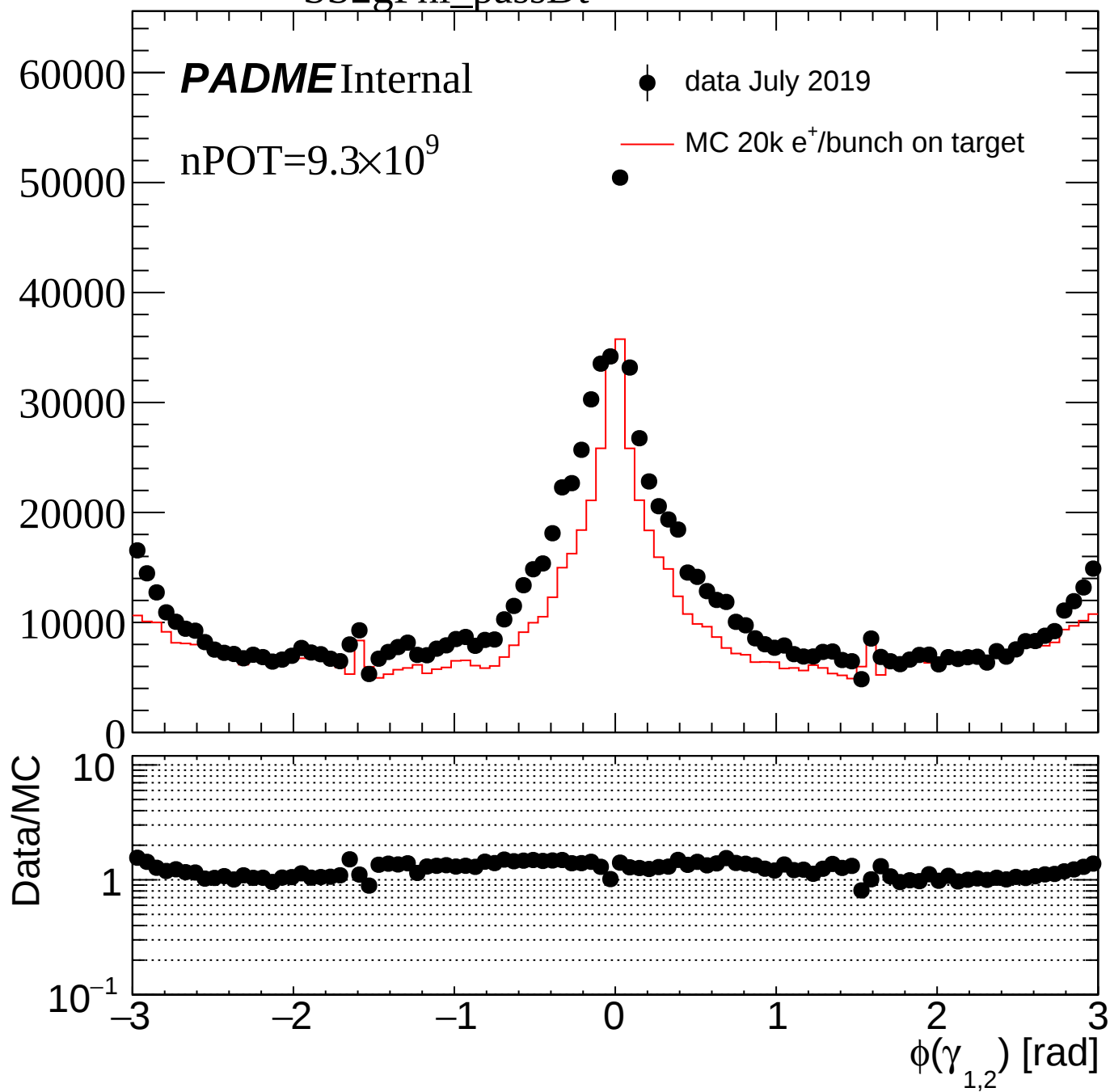
SS2gR_passDtDphiCogFR



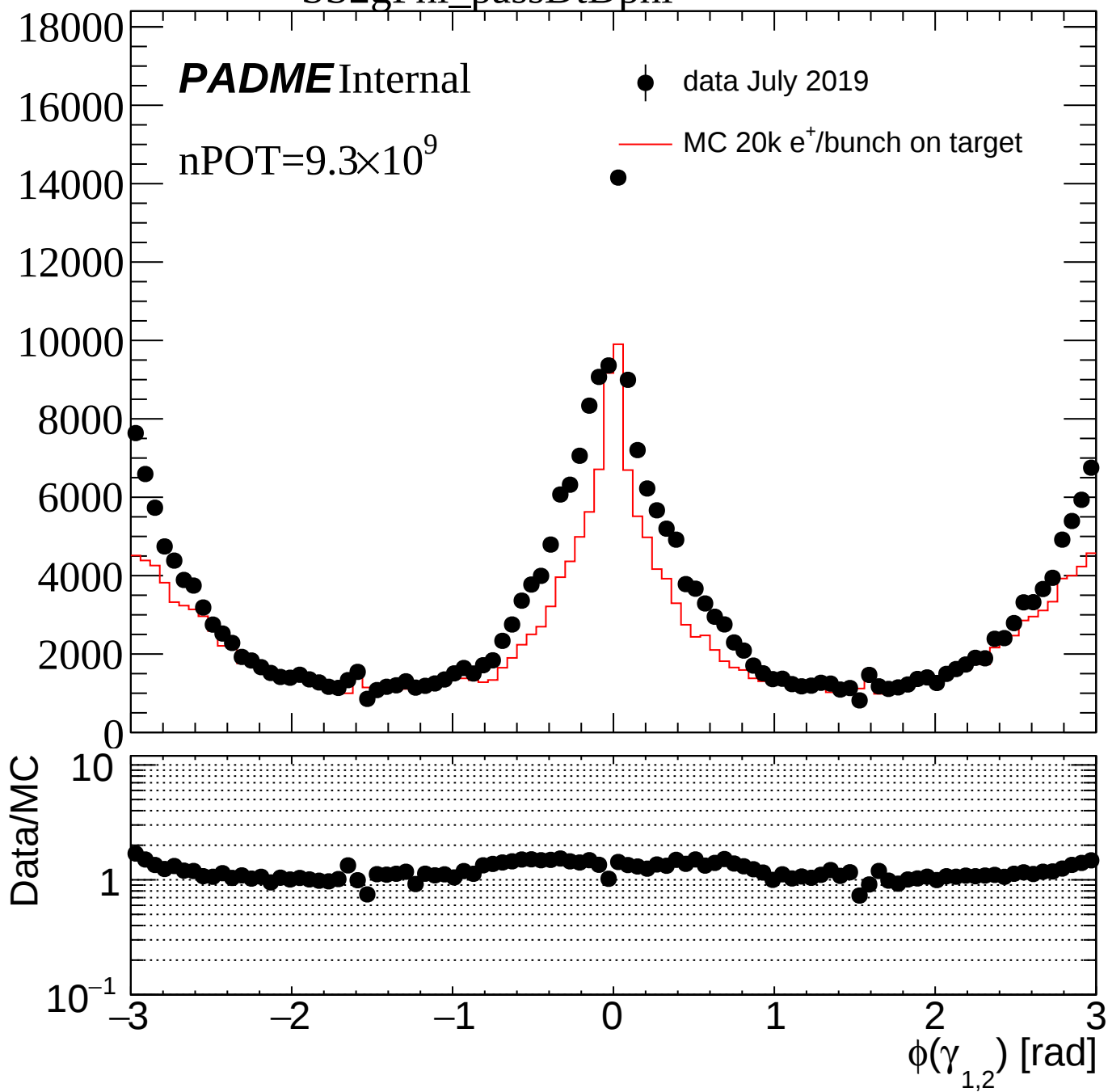
SS2gR_passDtDphiCogDsume



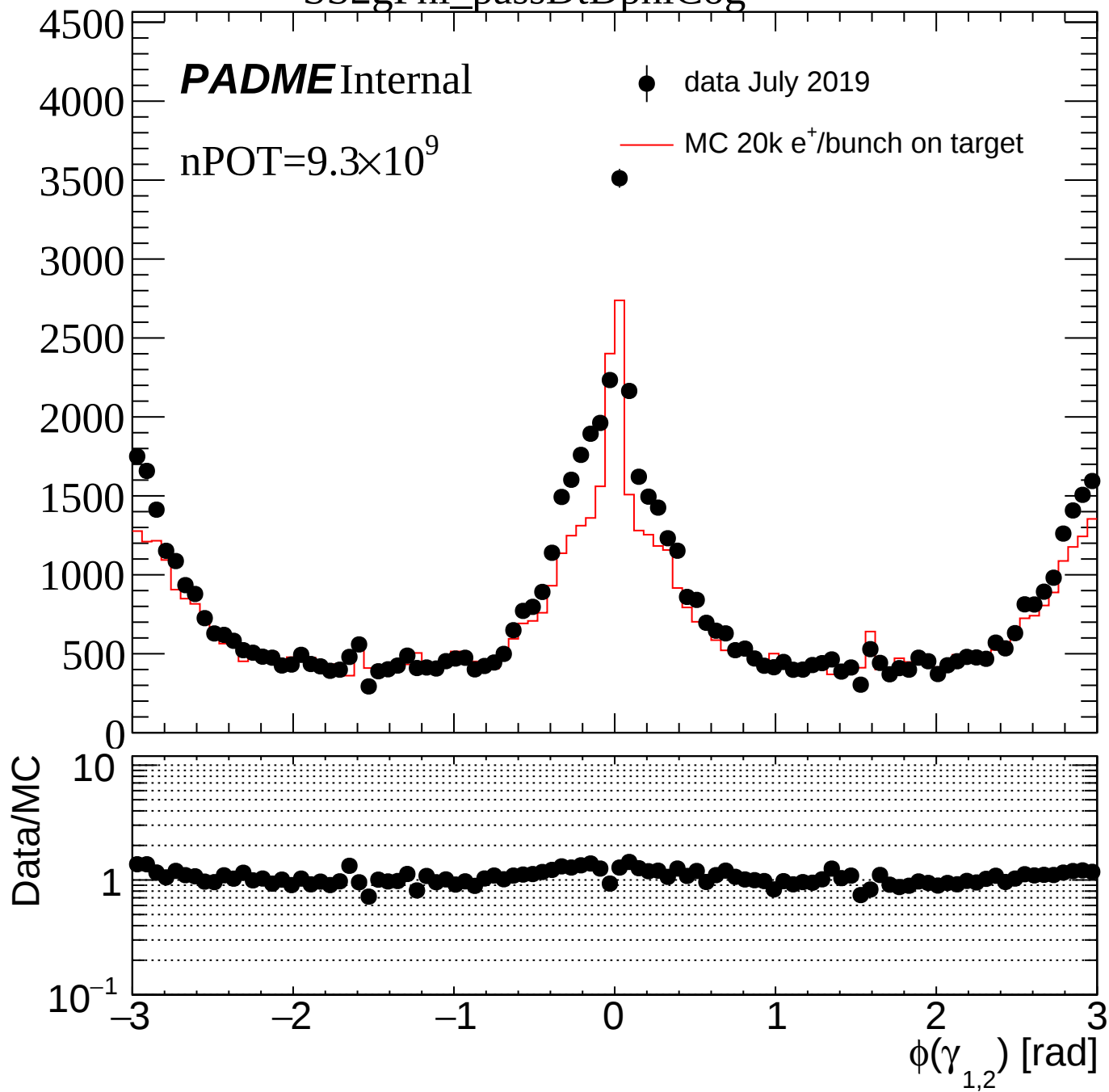
SS2gPhi_passDt



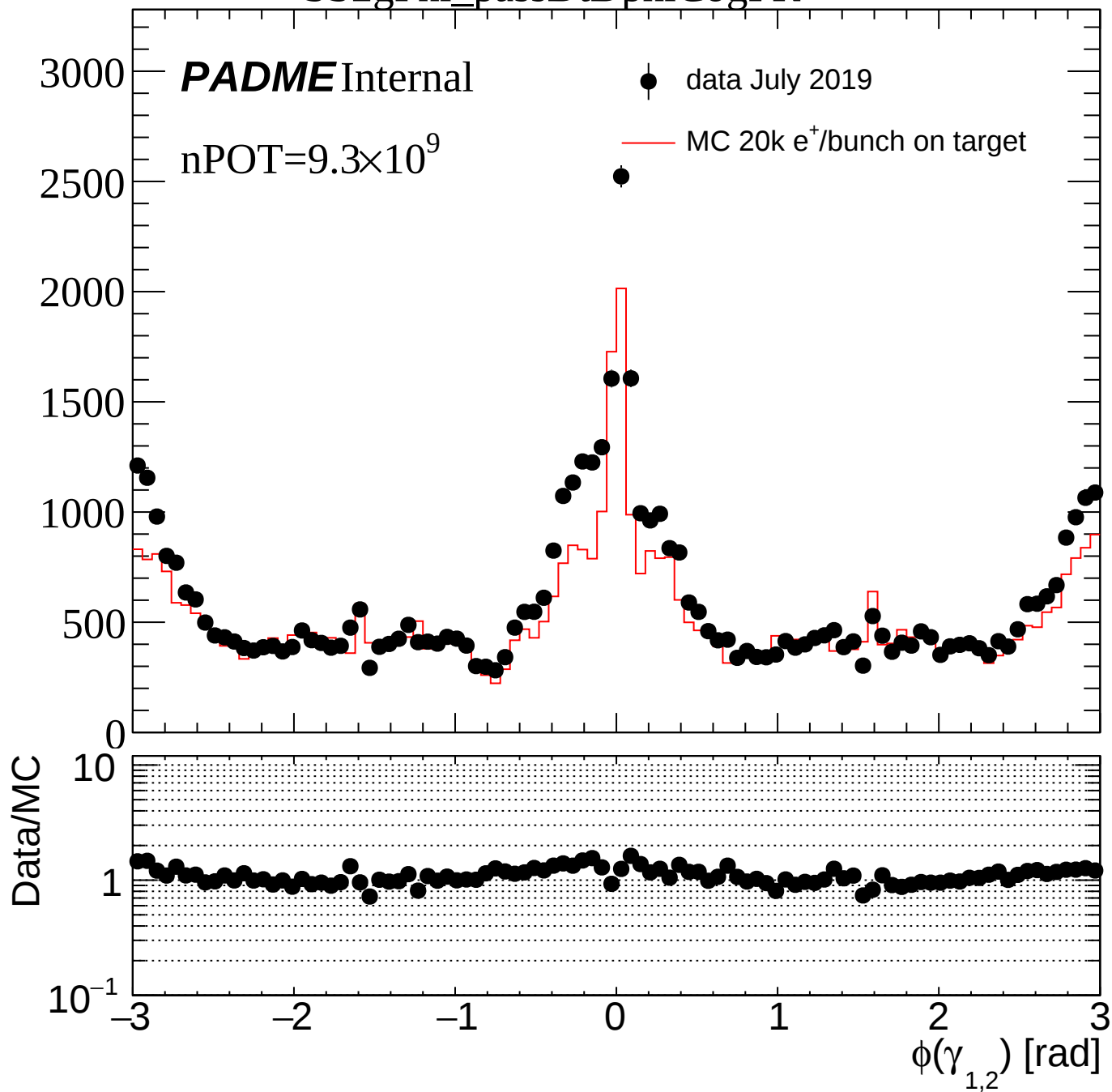
SS2gPhi_passDtDphi



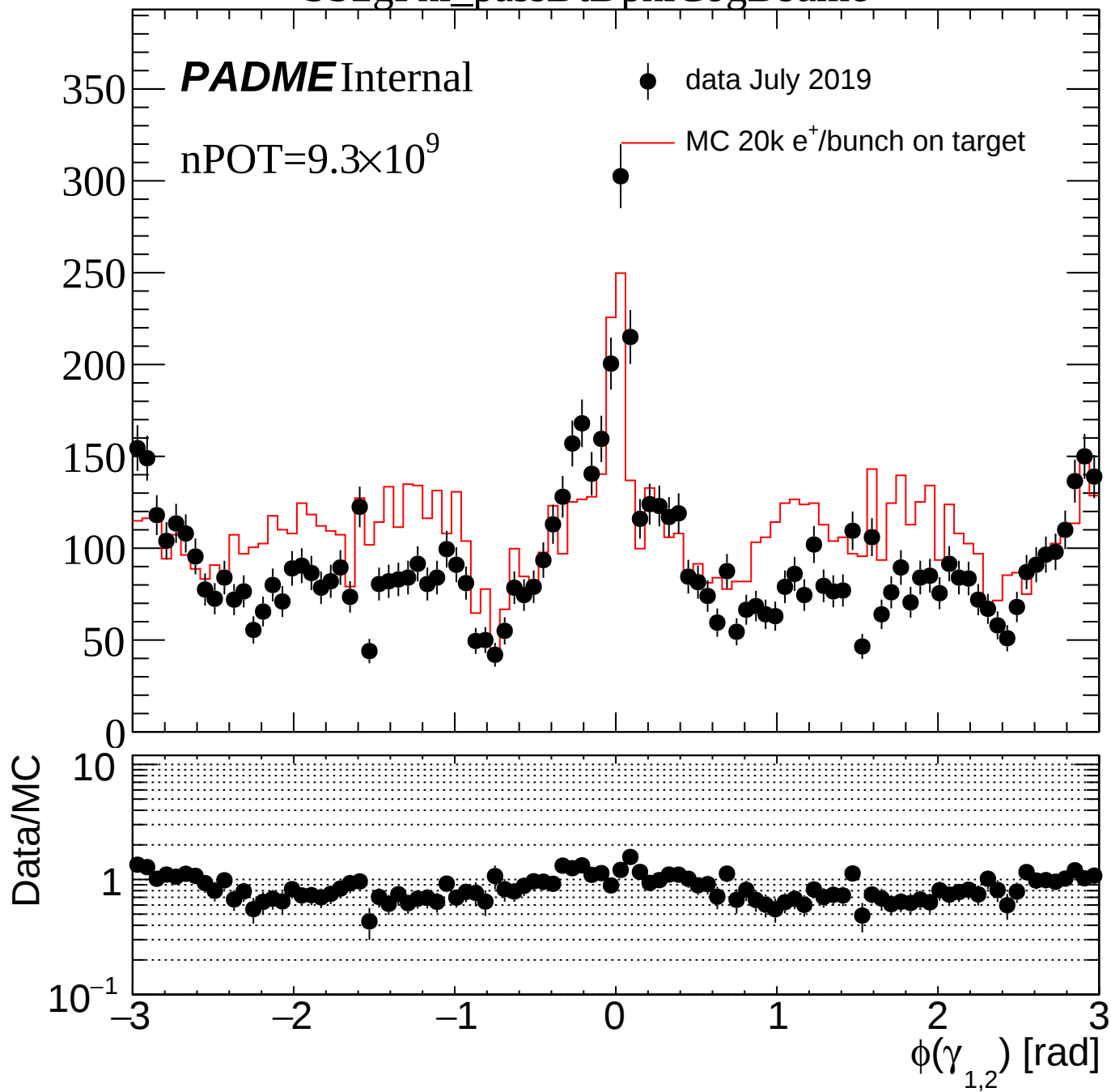
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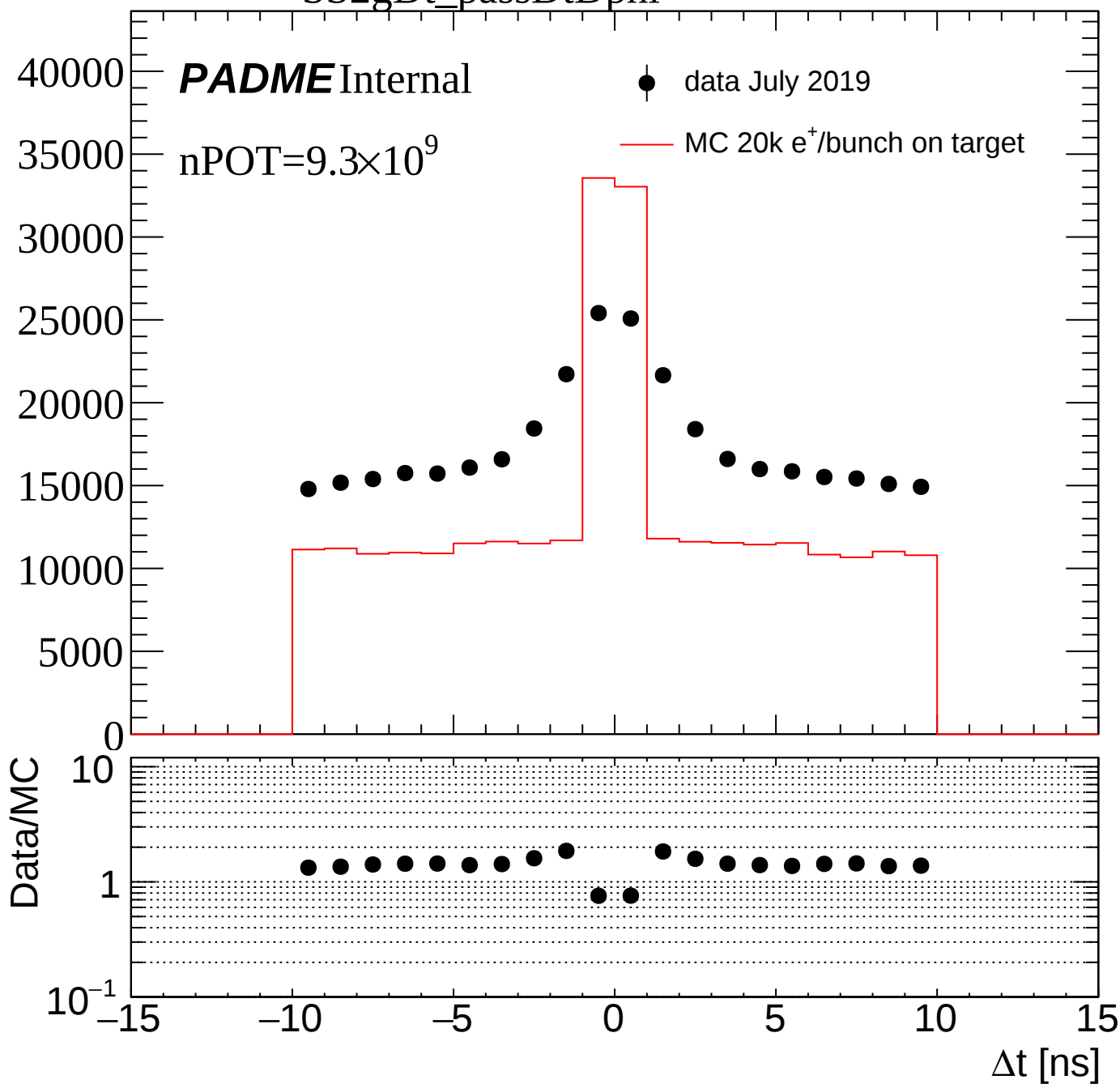
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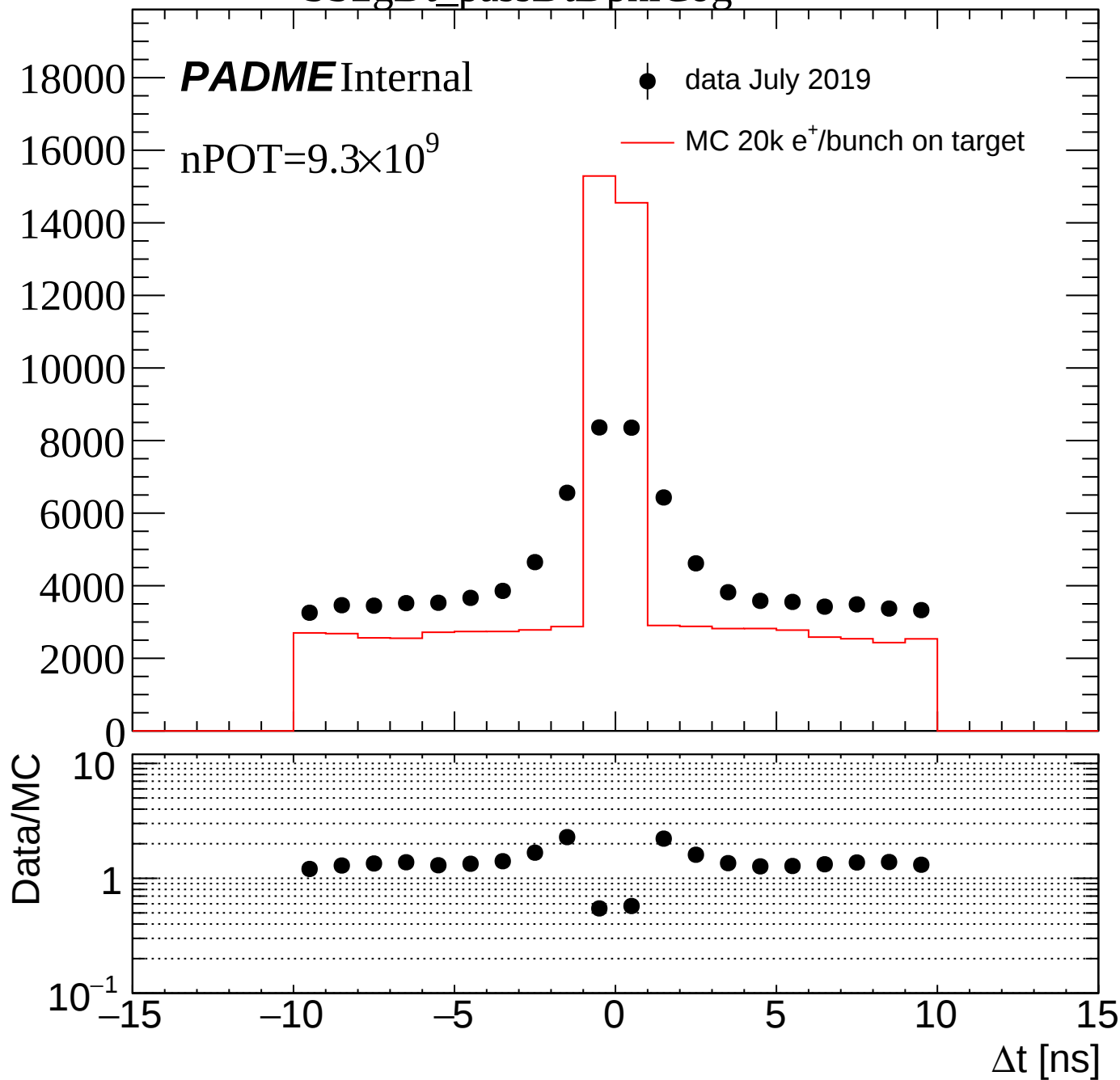
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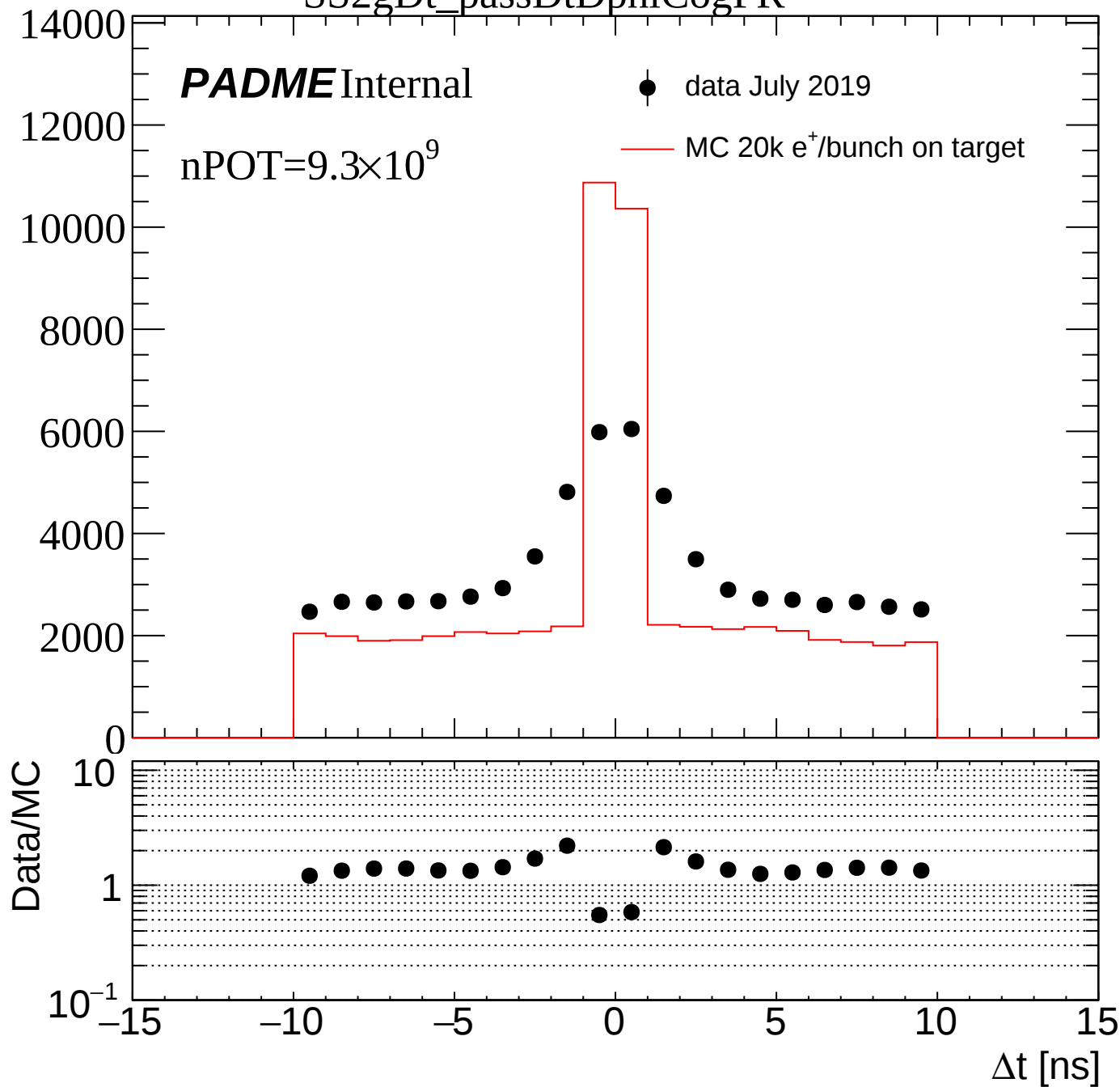
SS2gDt_passDtDphi



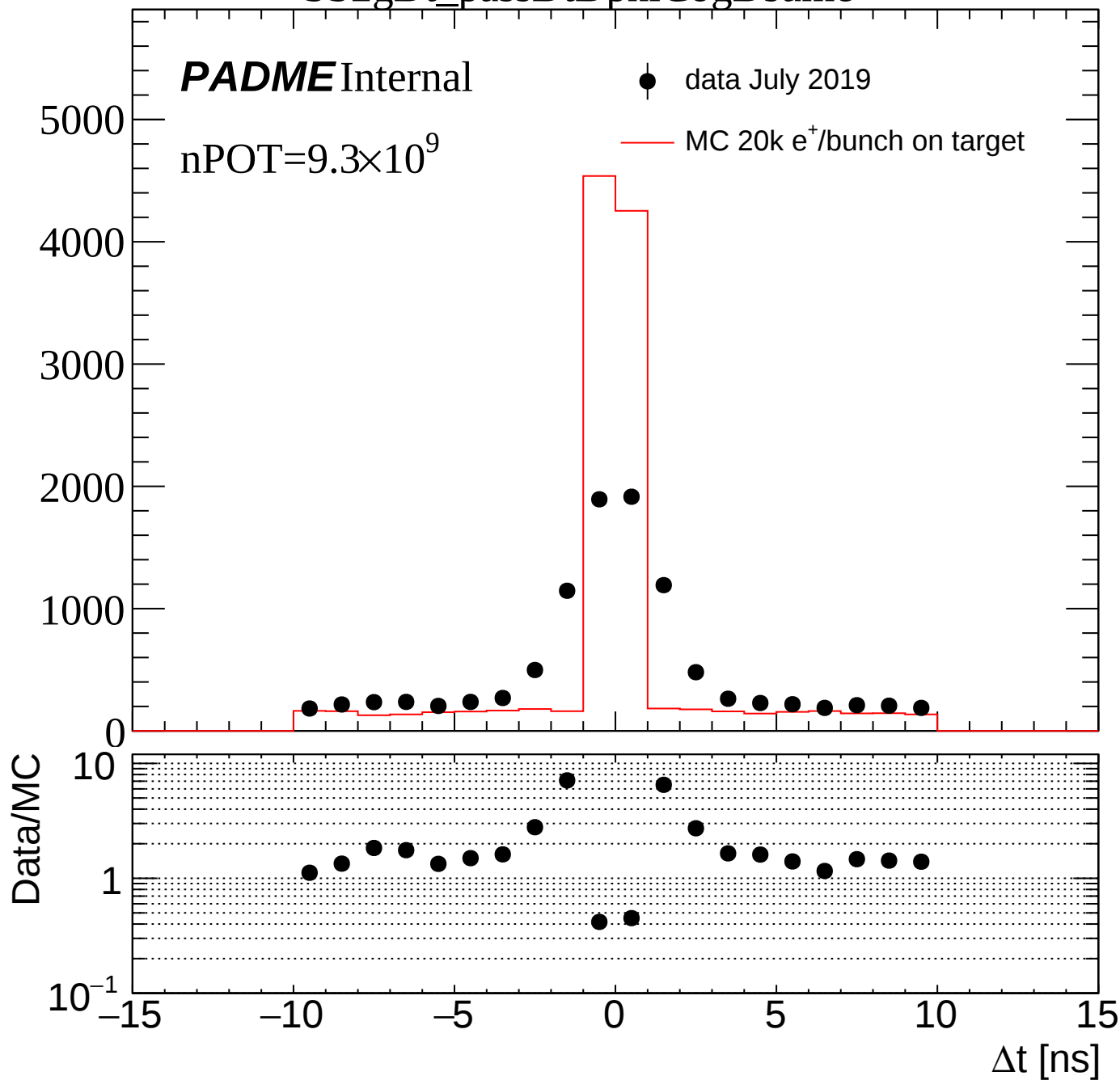
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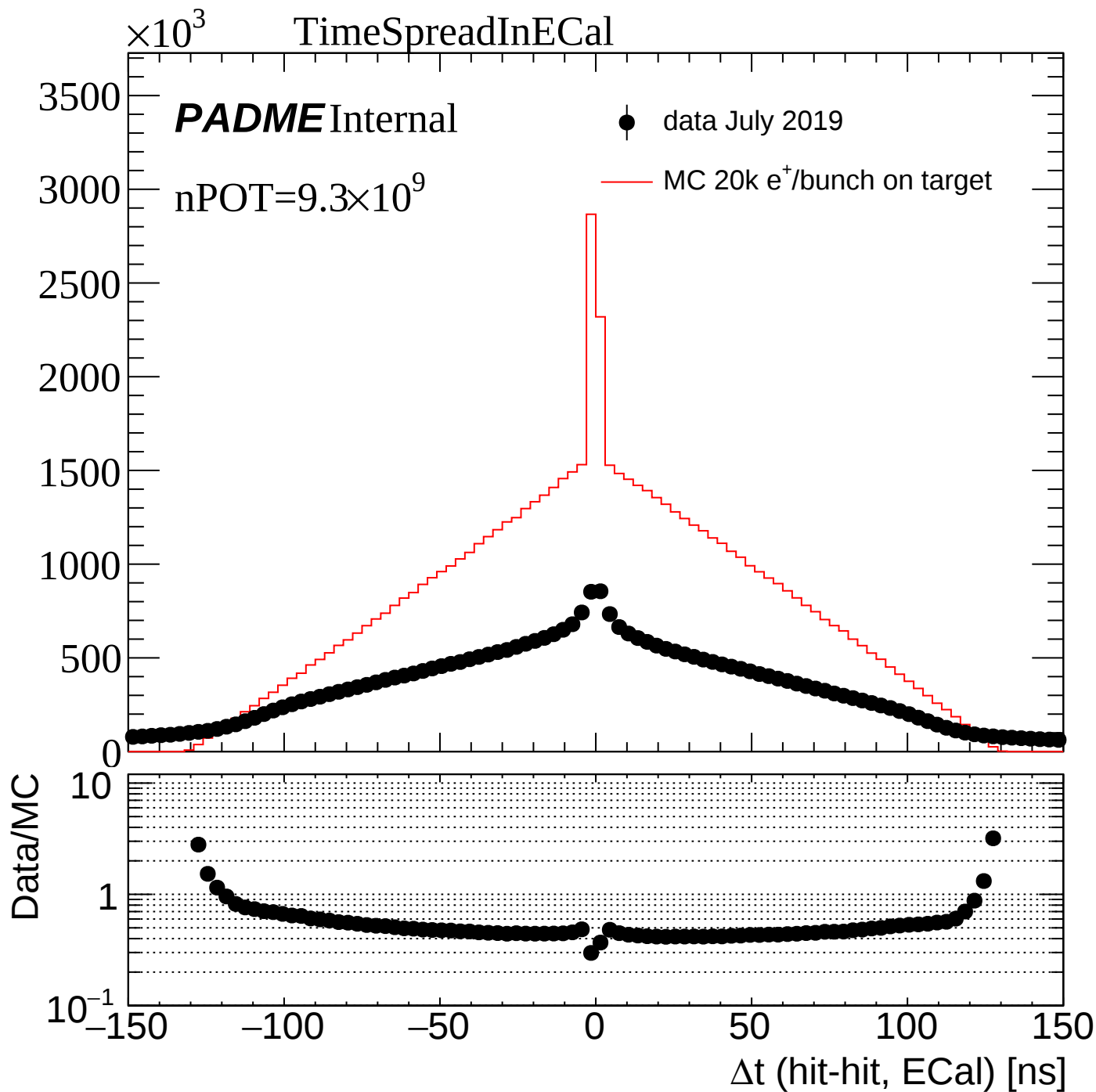


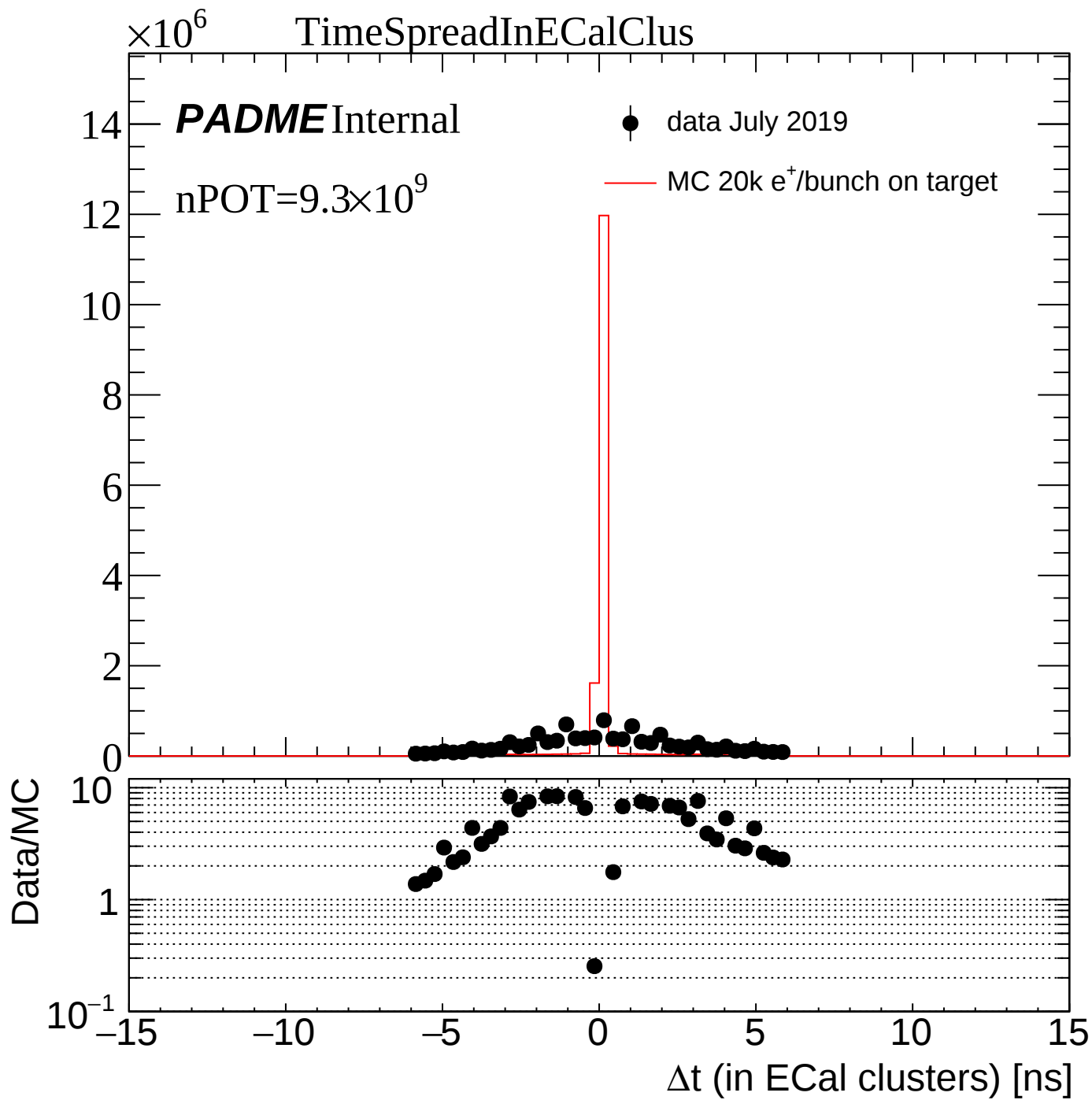
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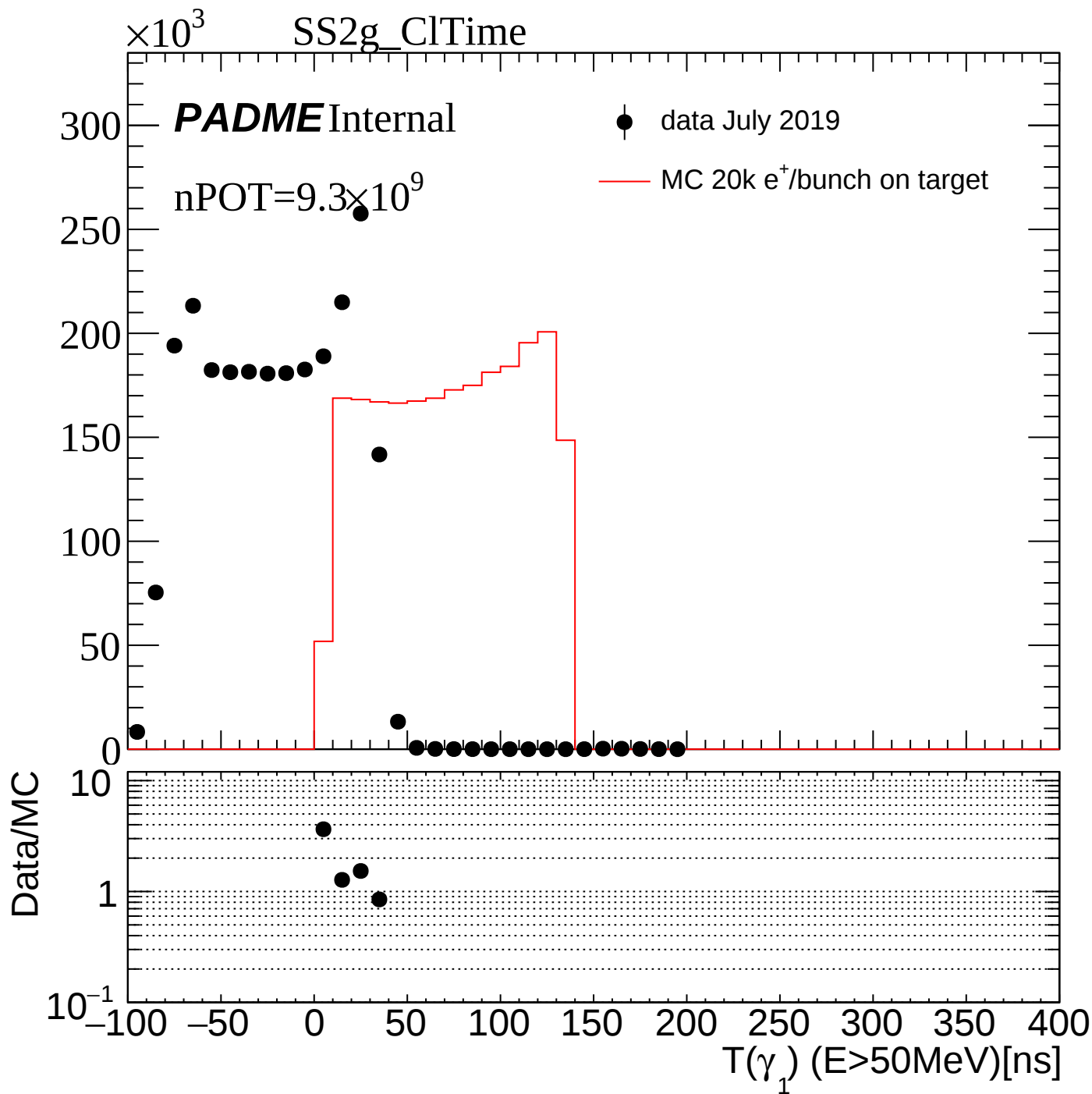


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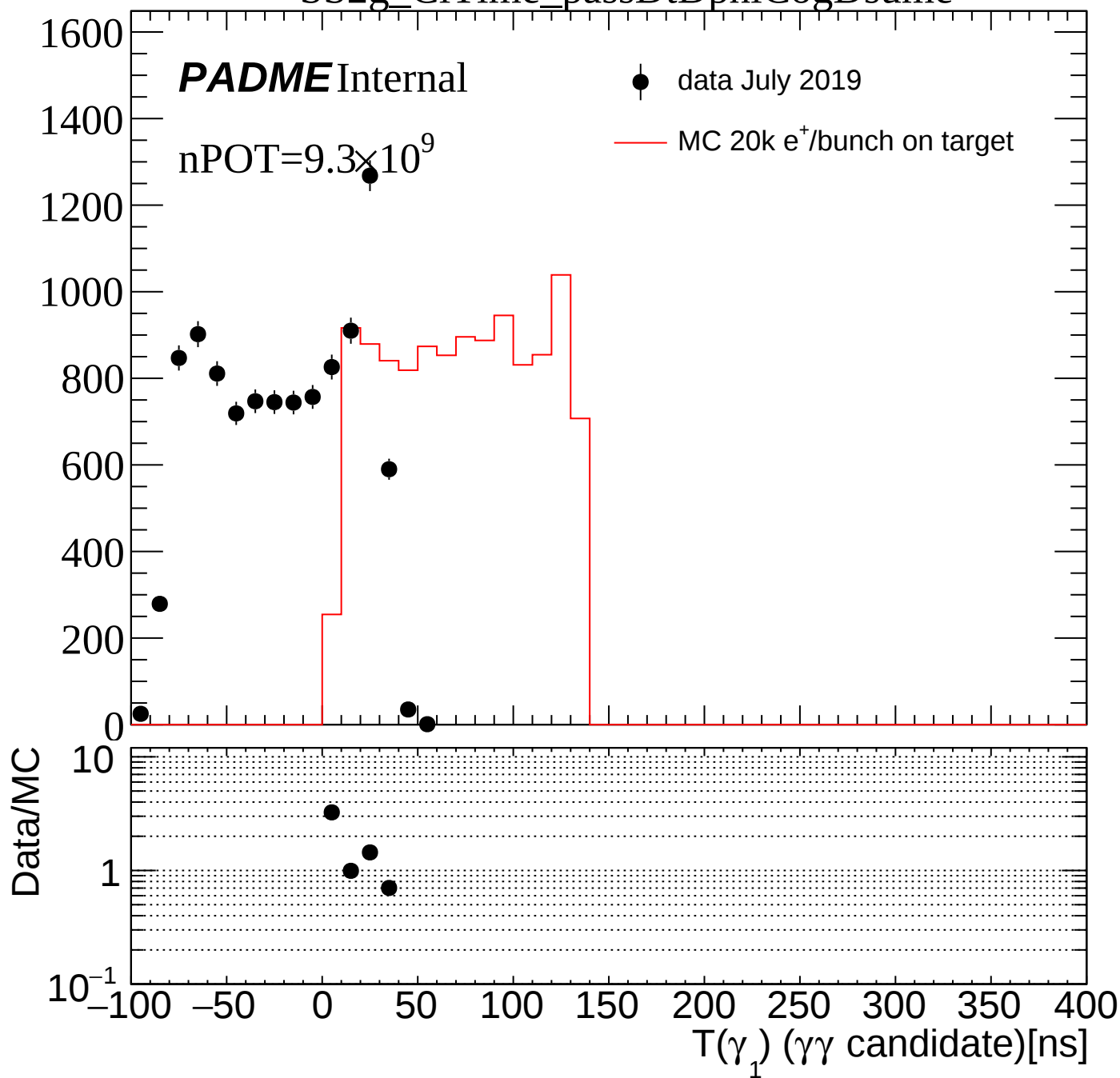




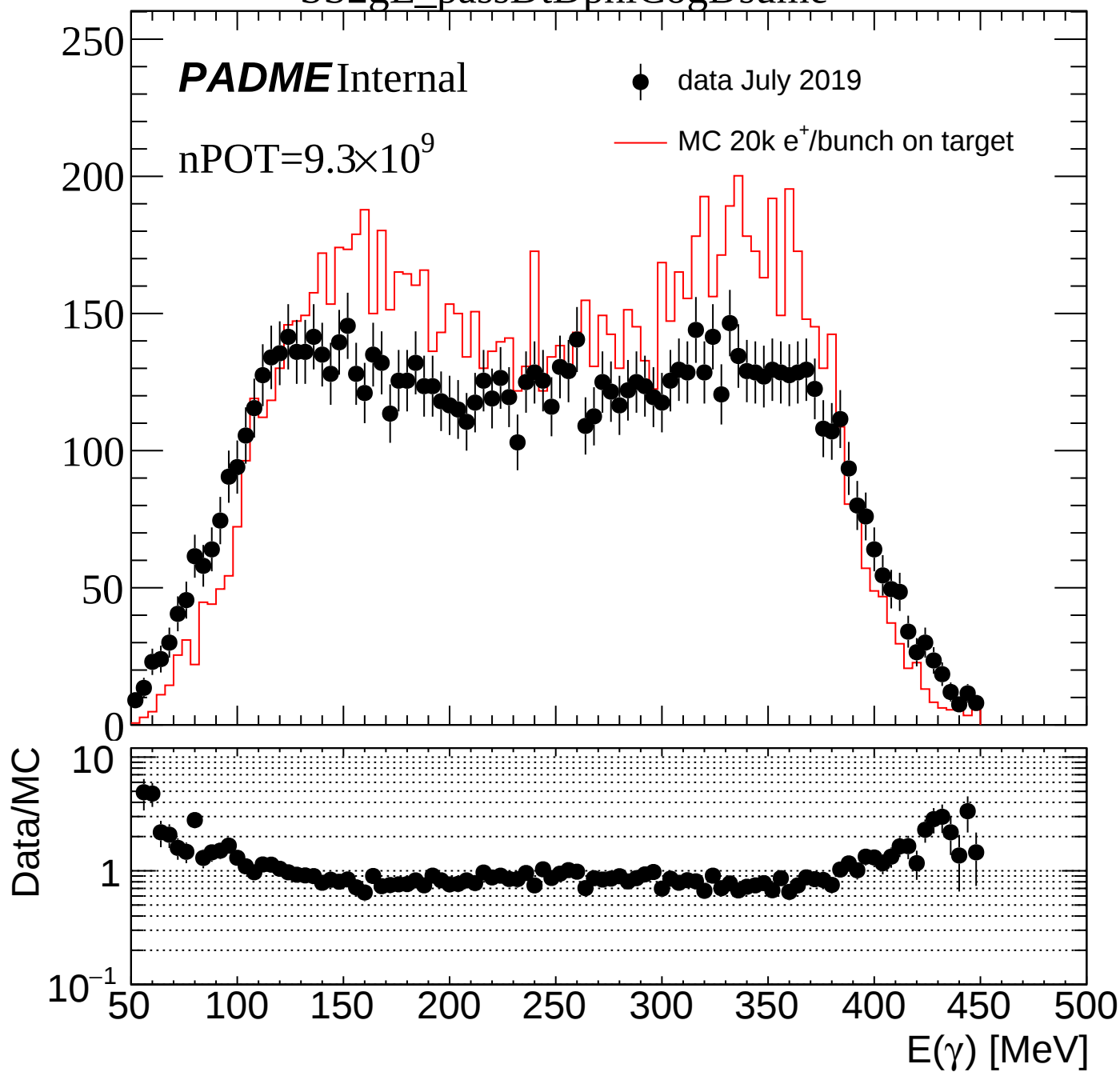




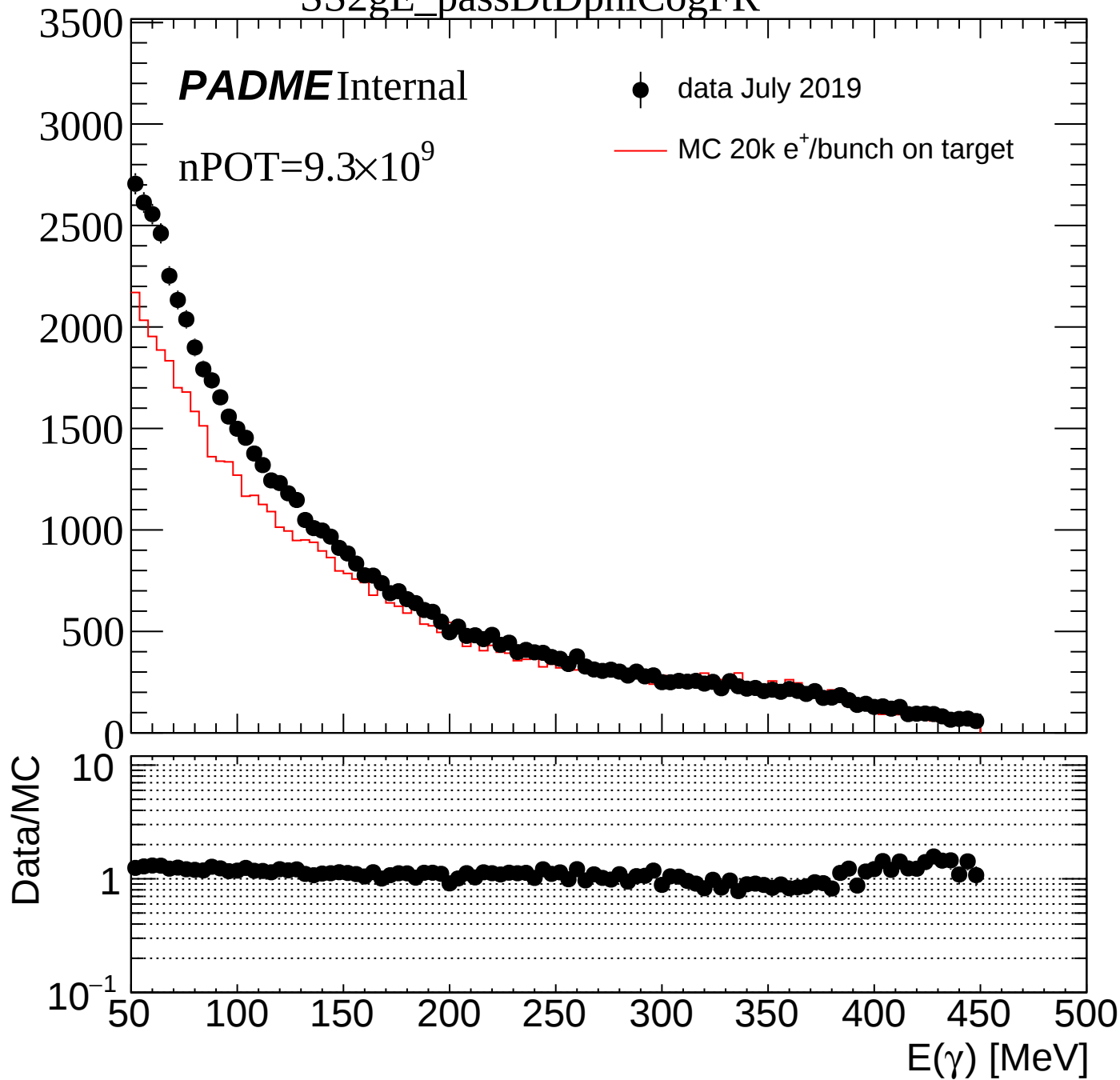
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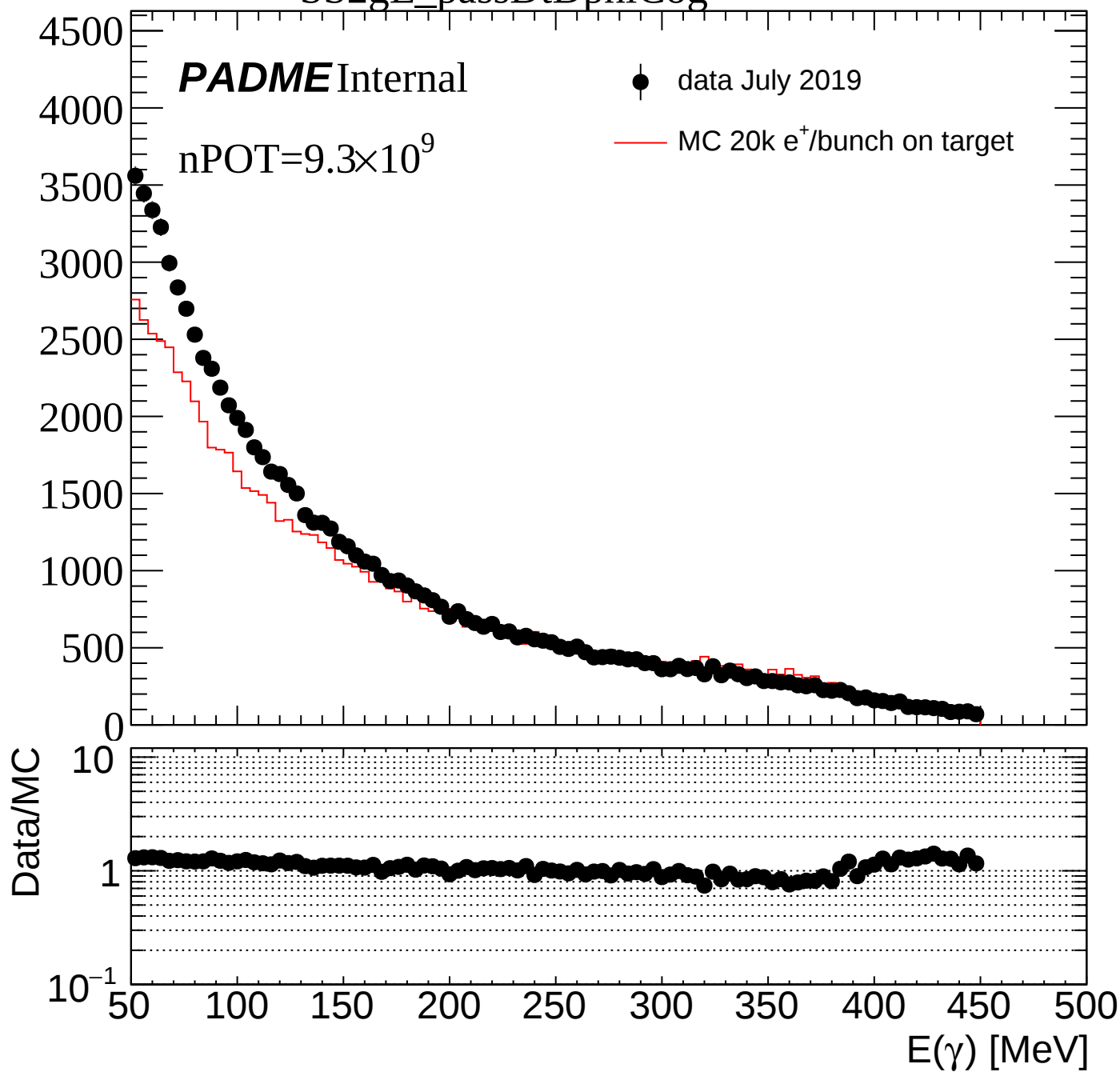
SS2gE_passDtDphiCogDsume



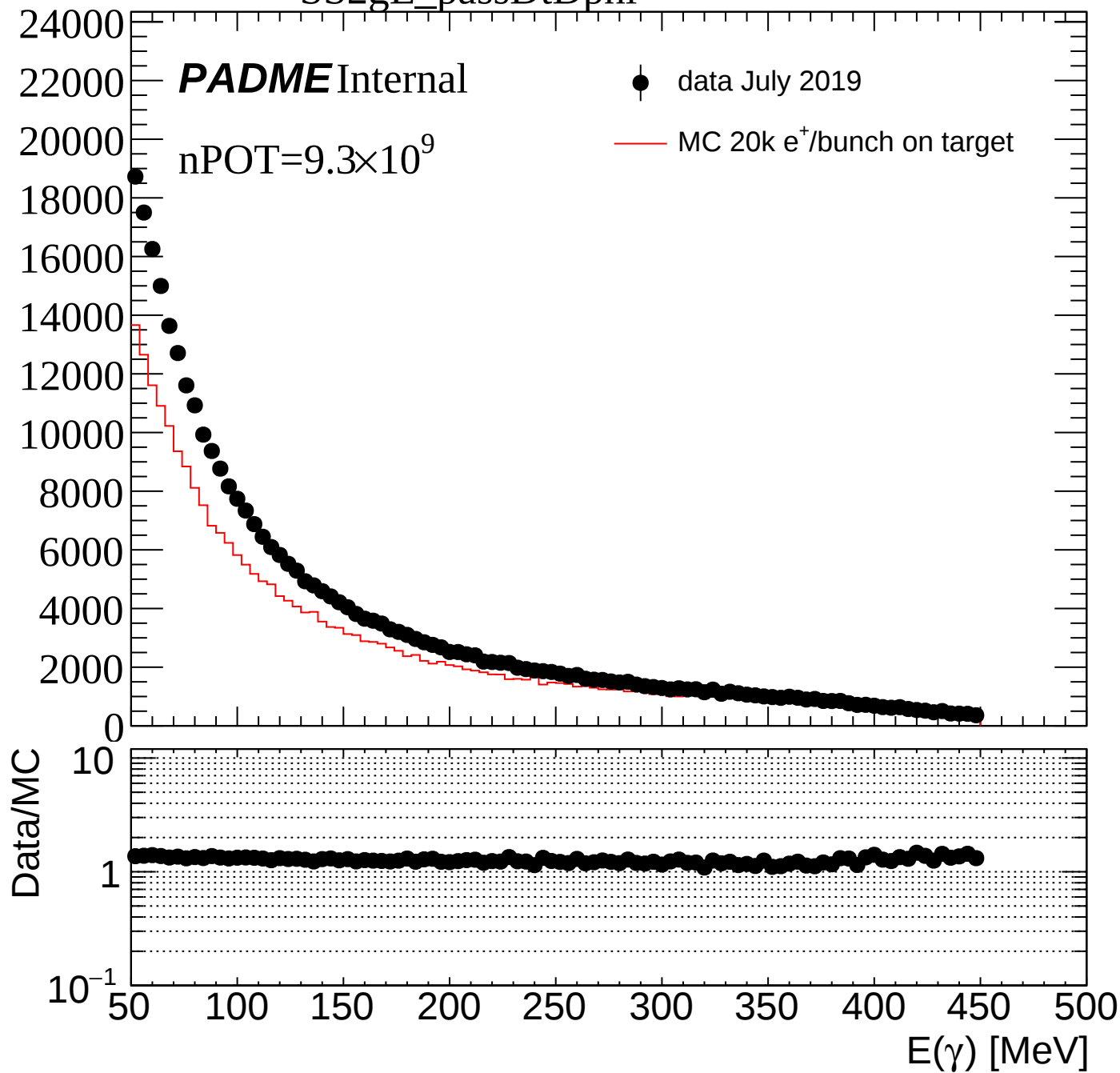
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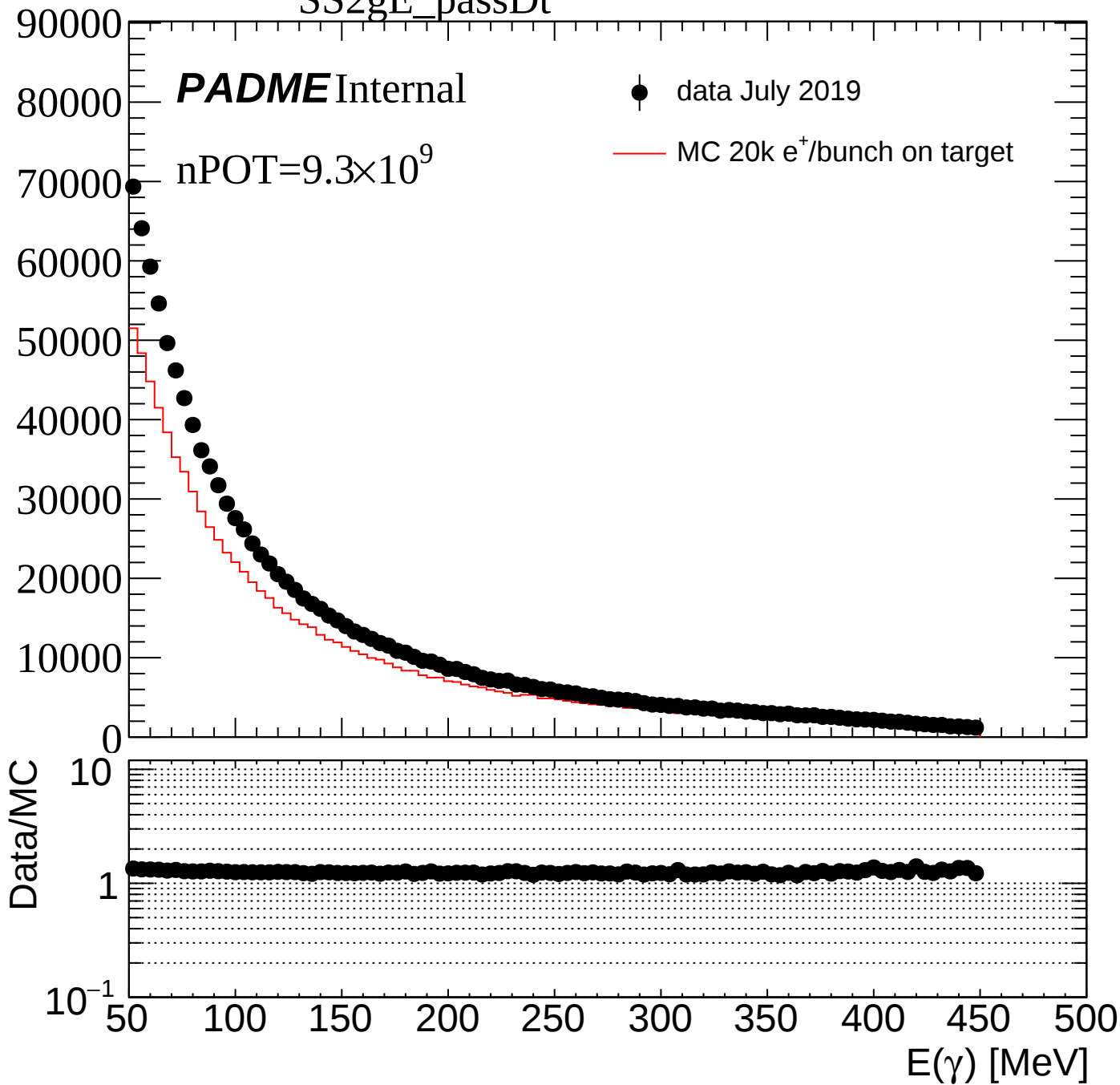
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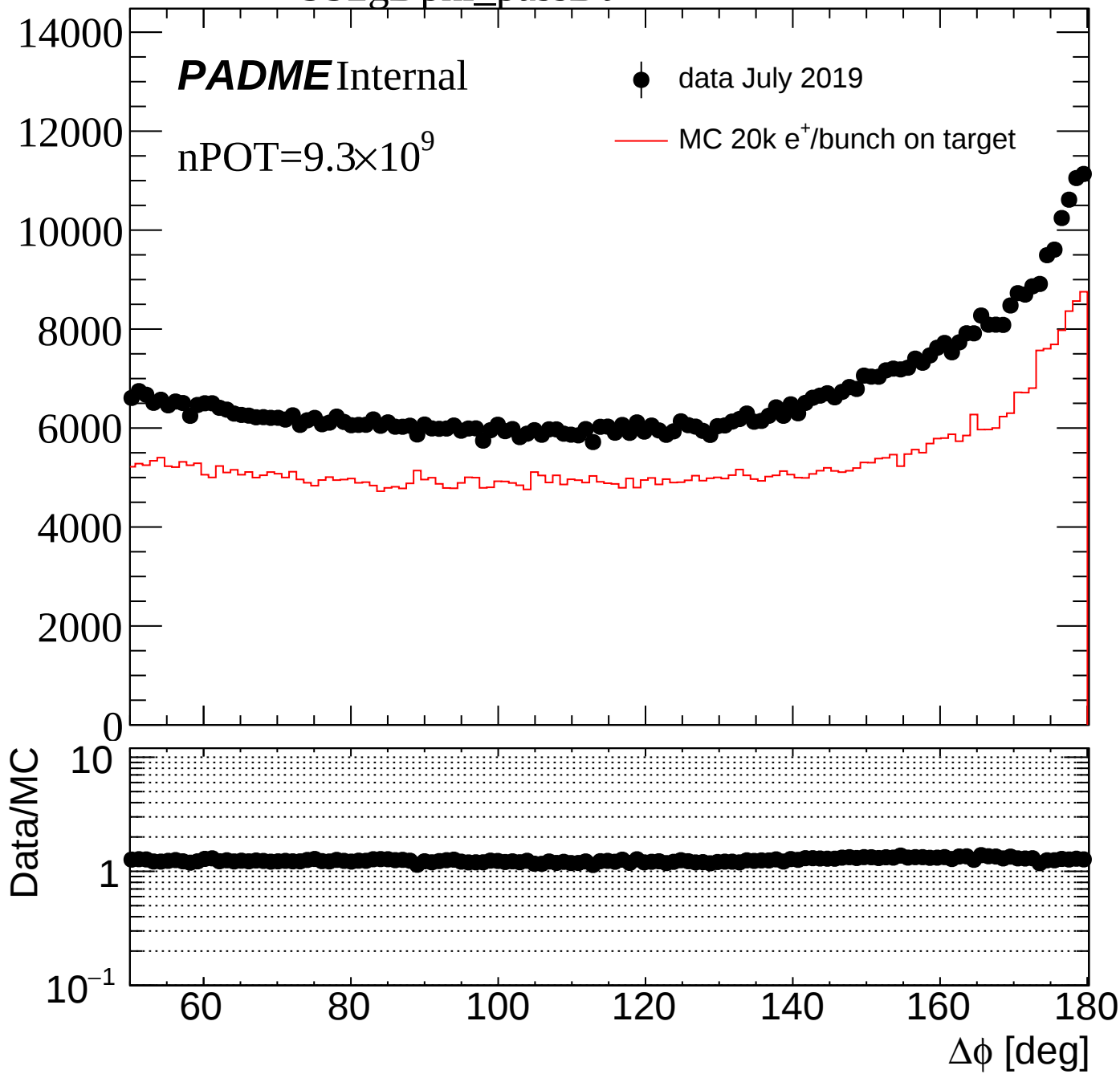
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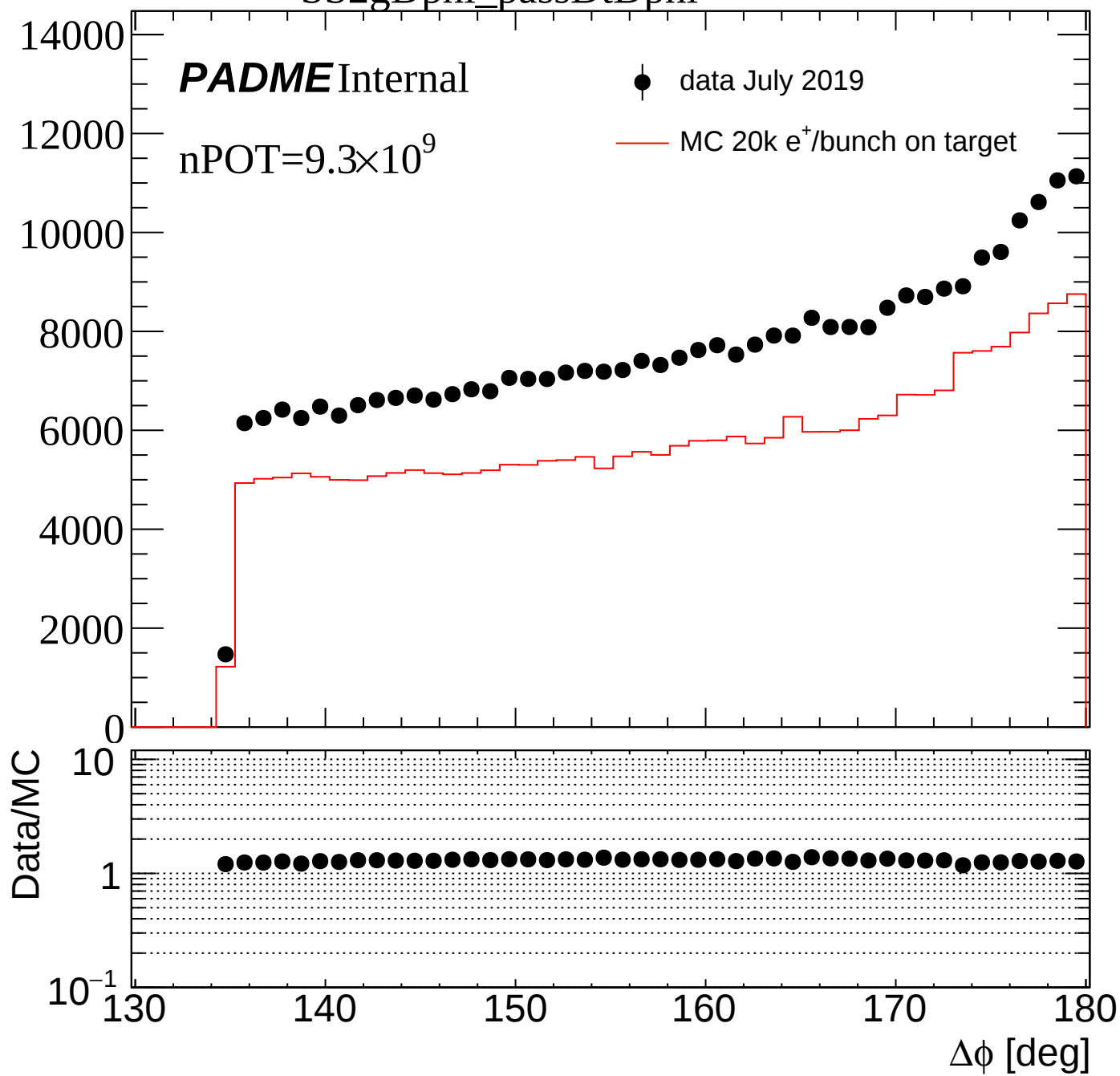
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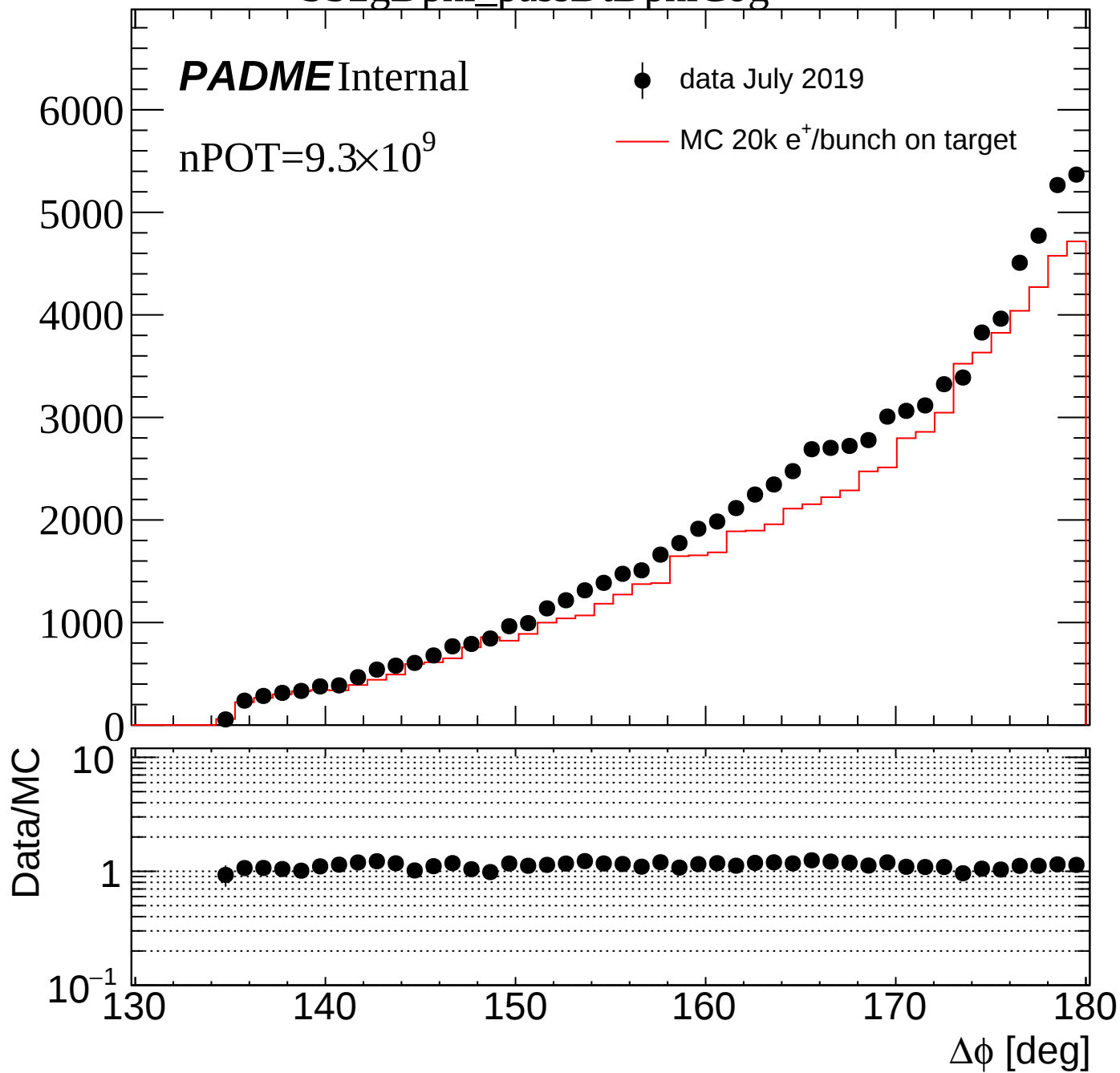
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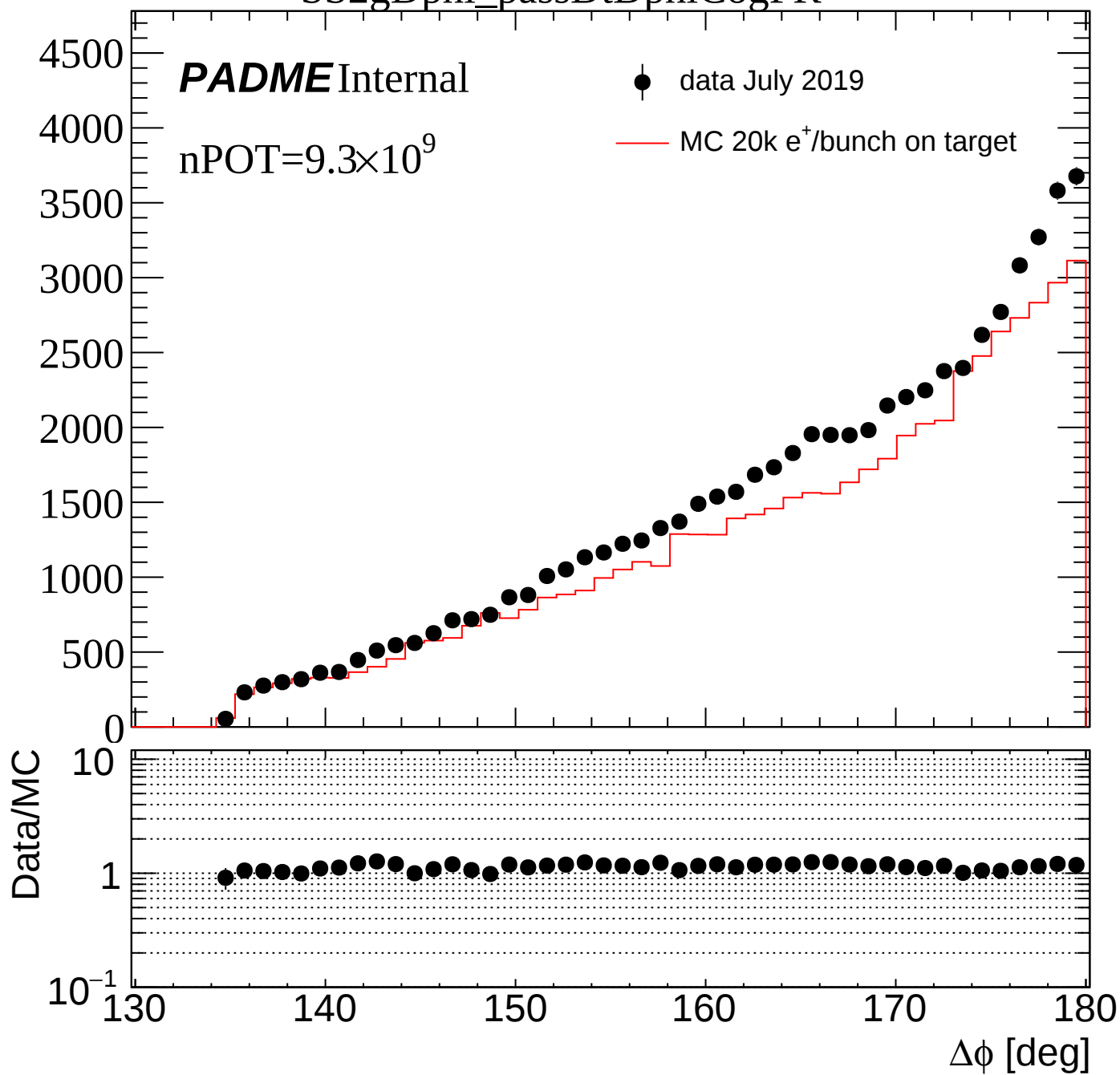
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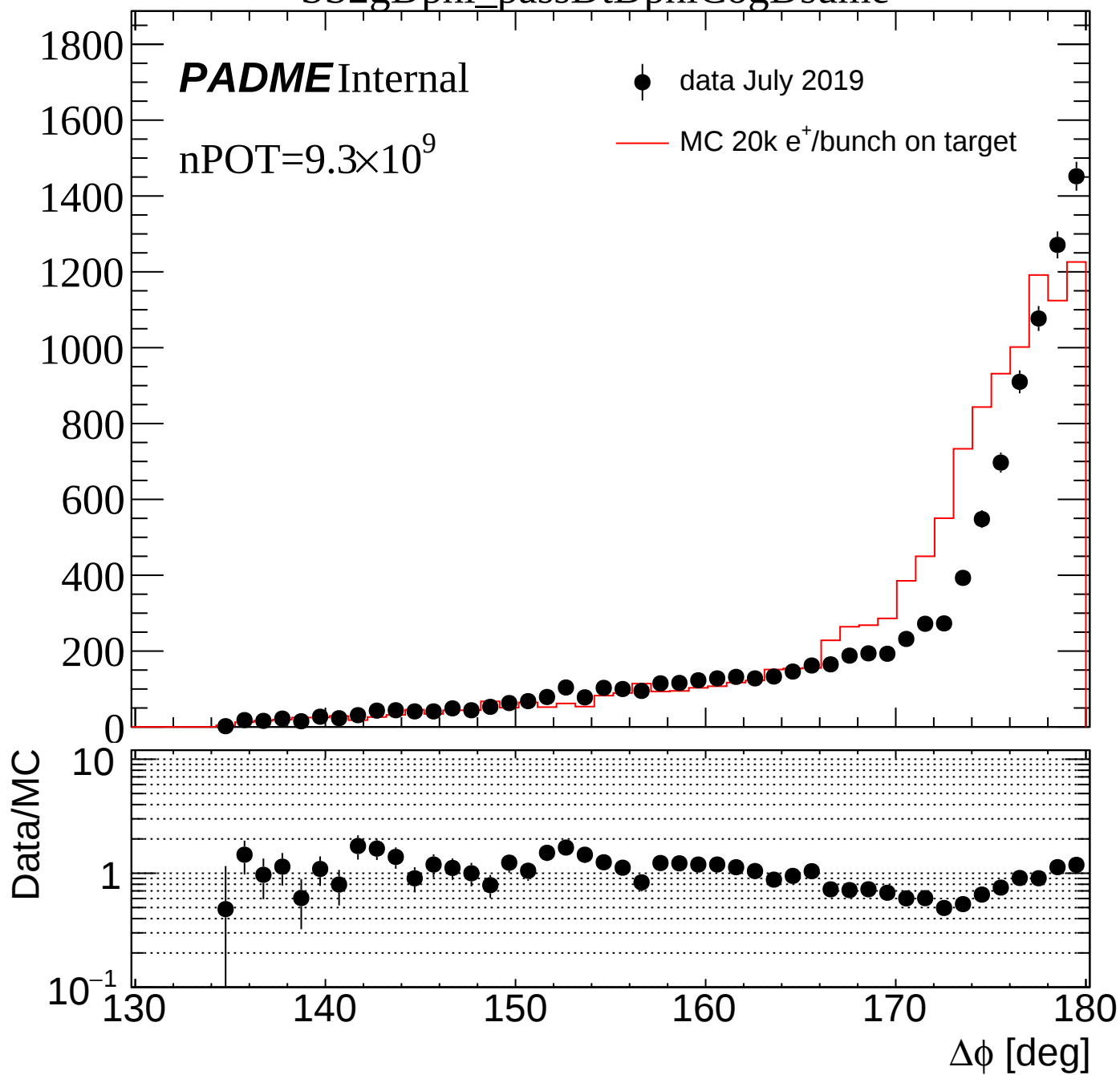
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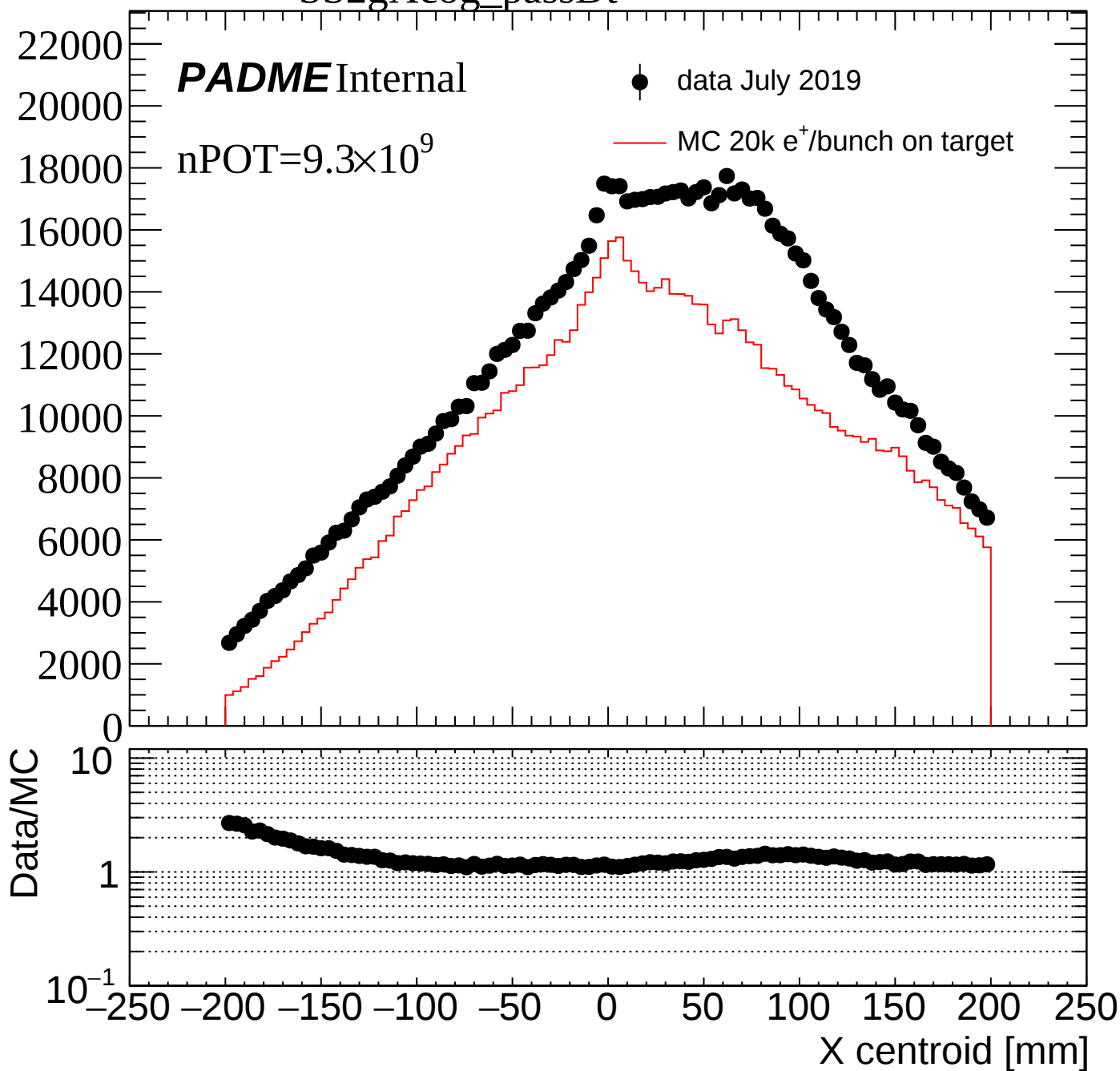
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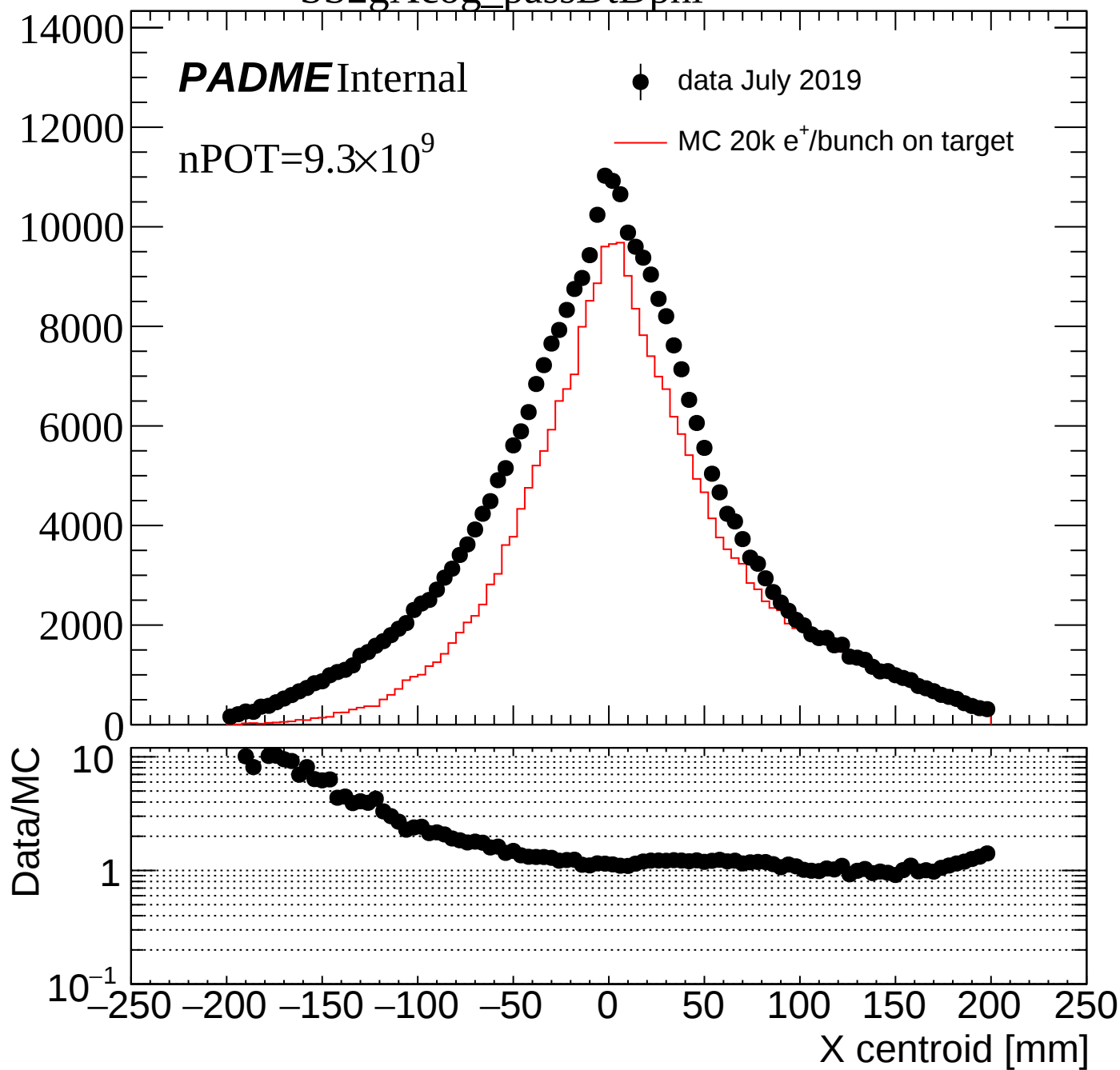
SS2gDphi_passDtDphiCogDsume



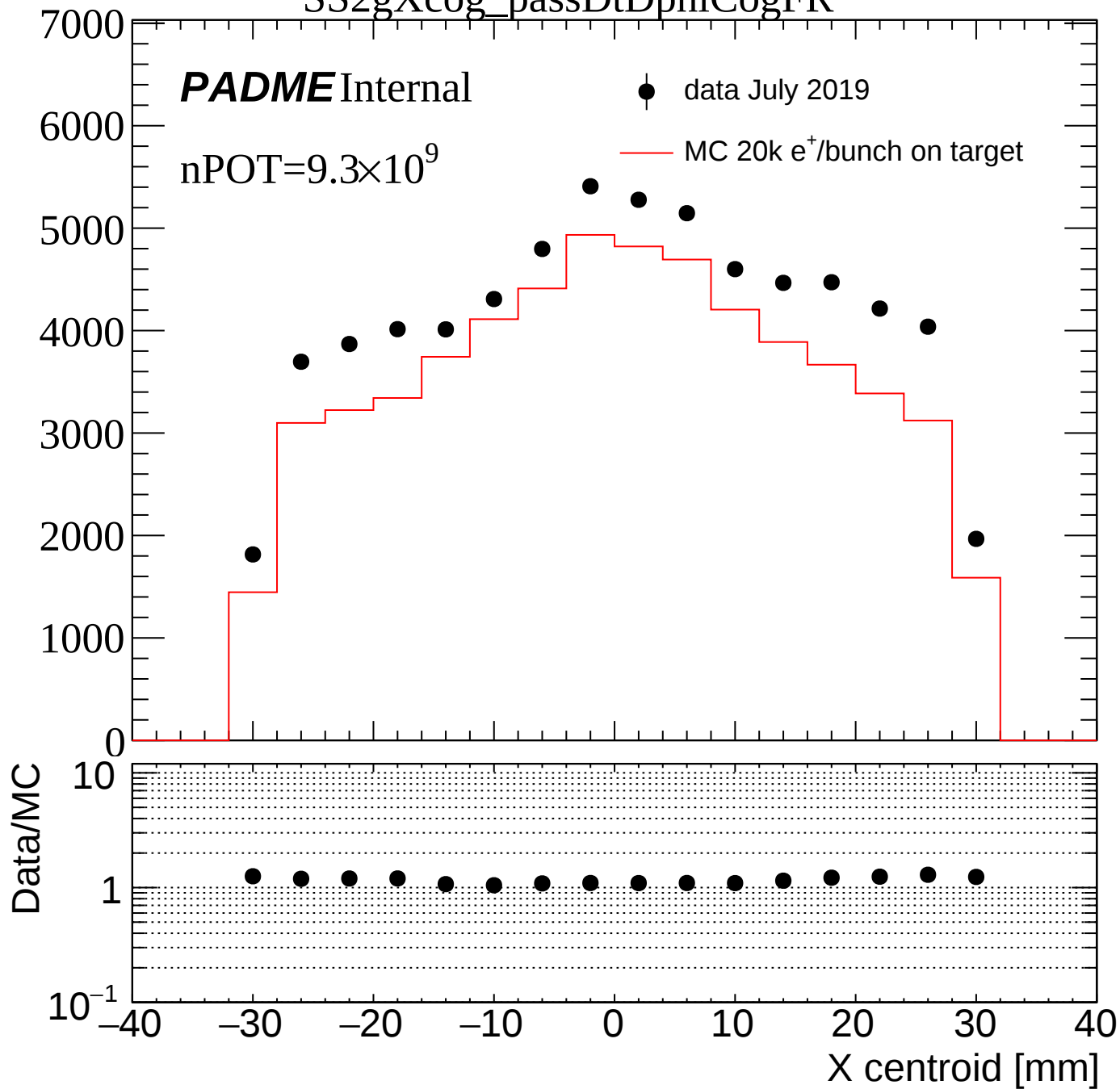
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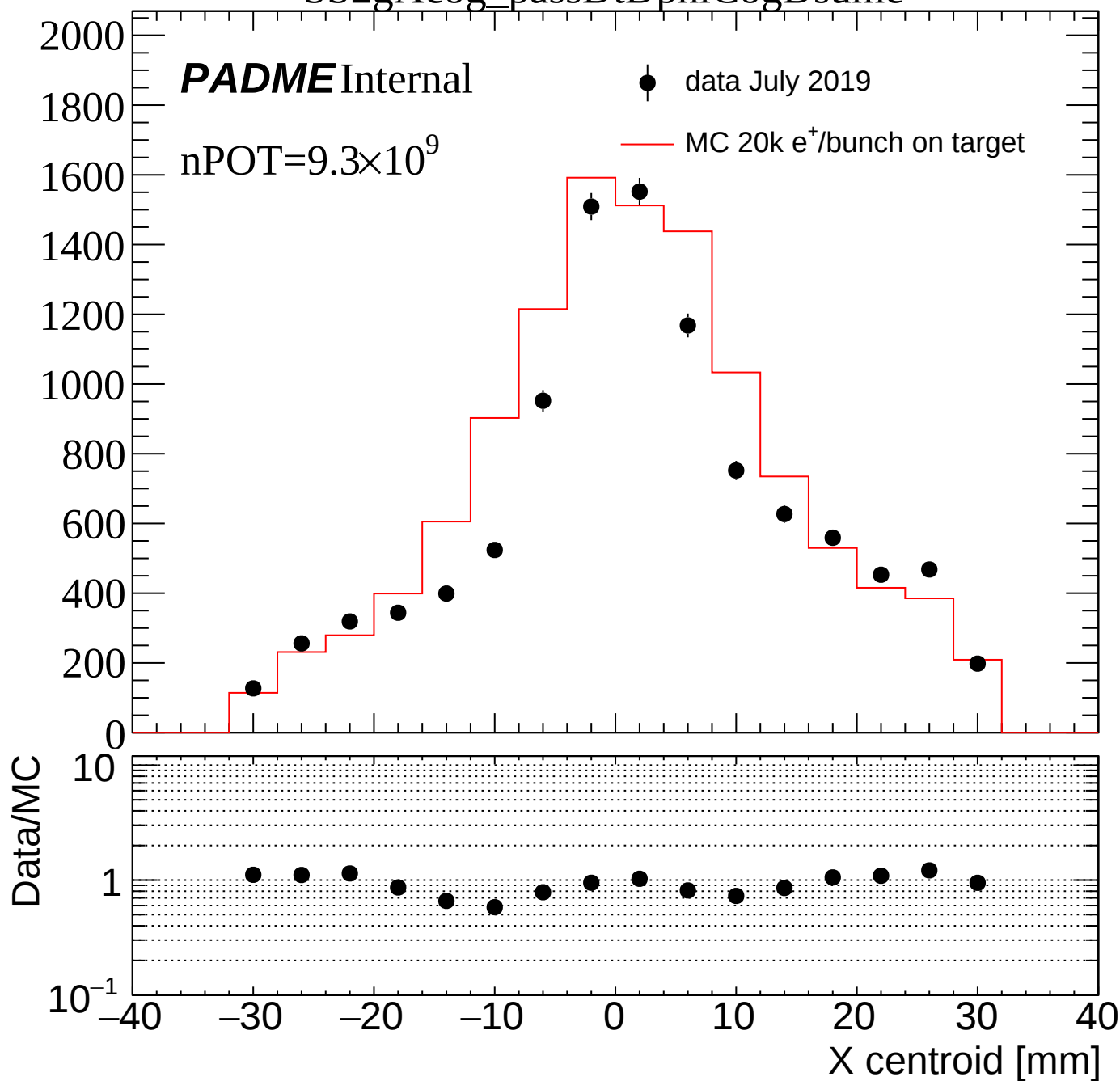
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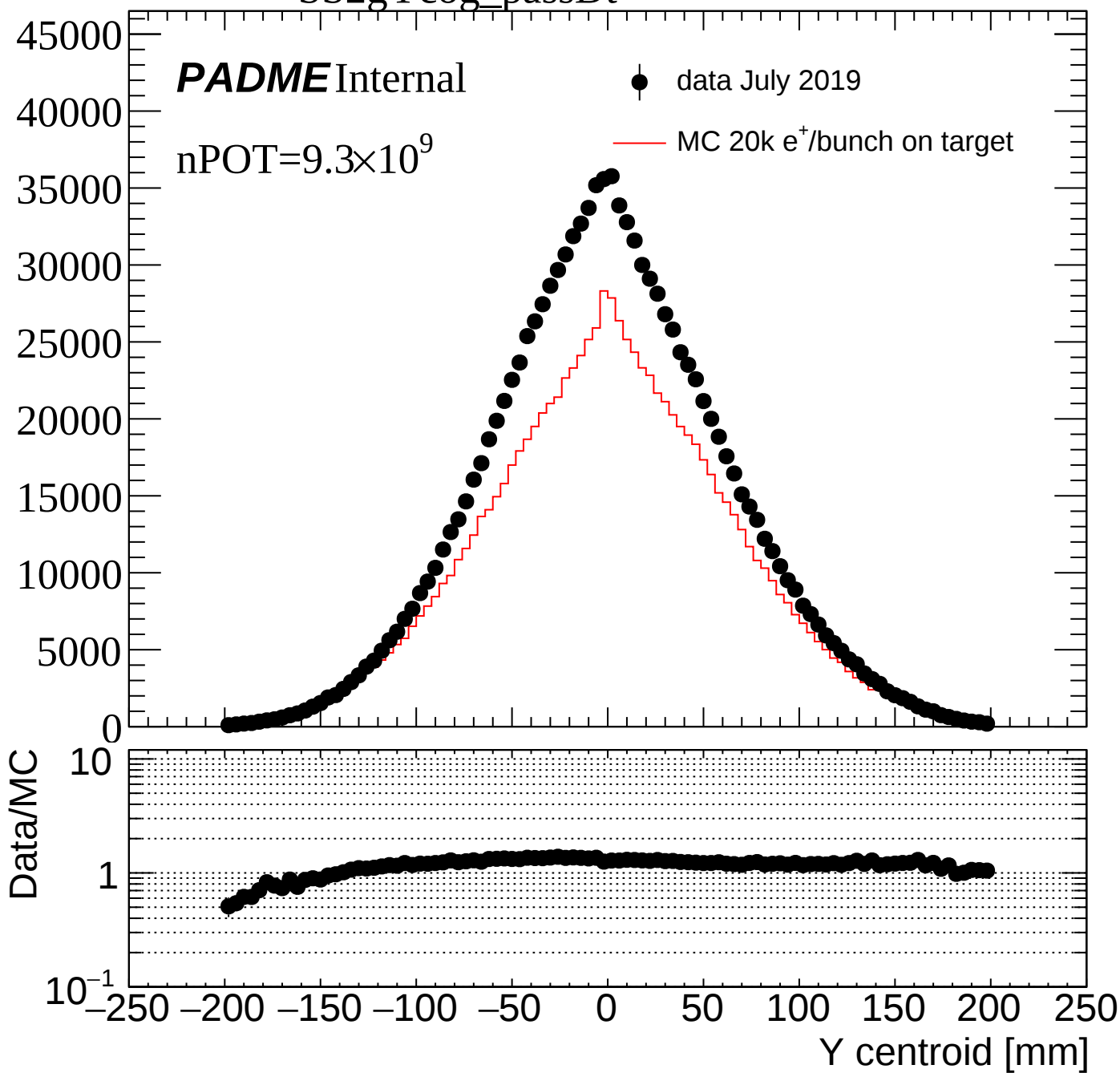
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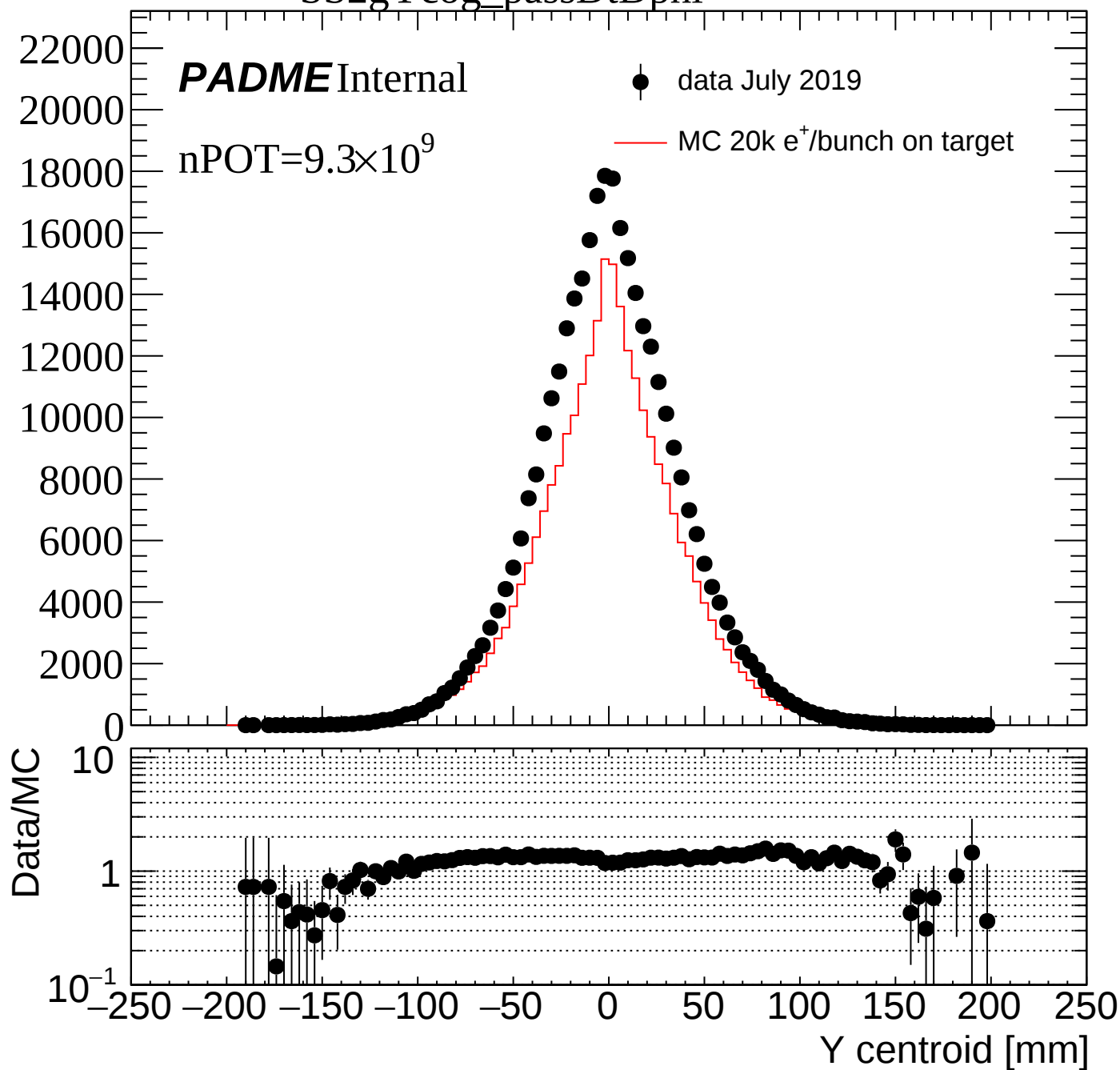
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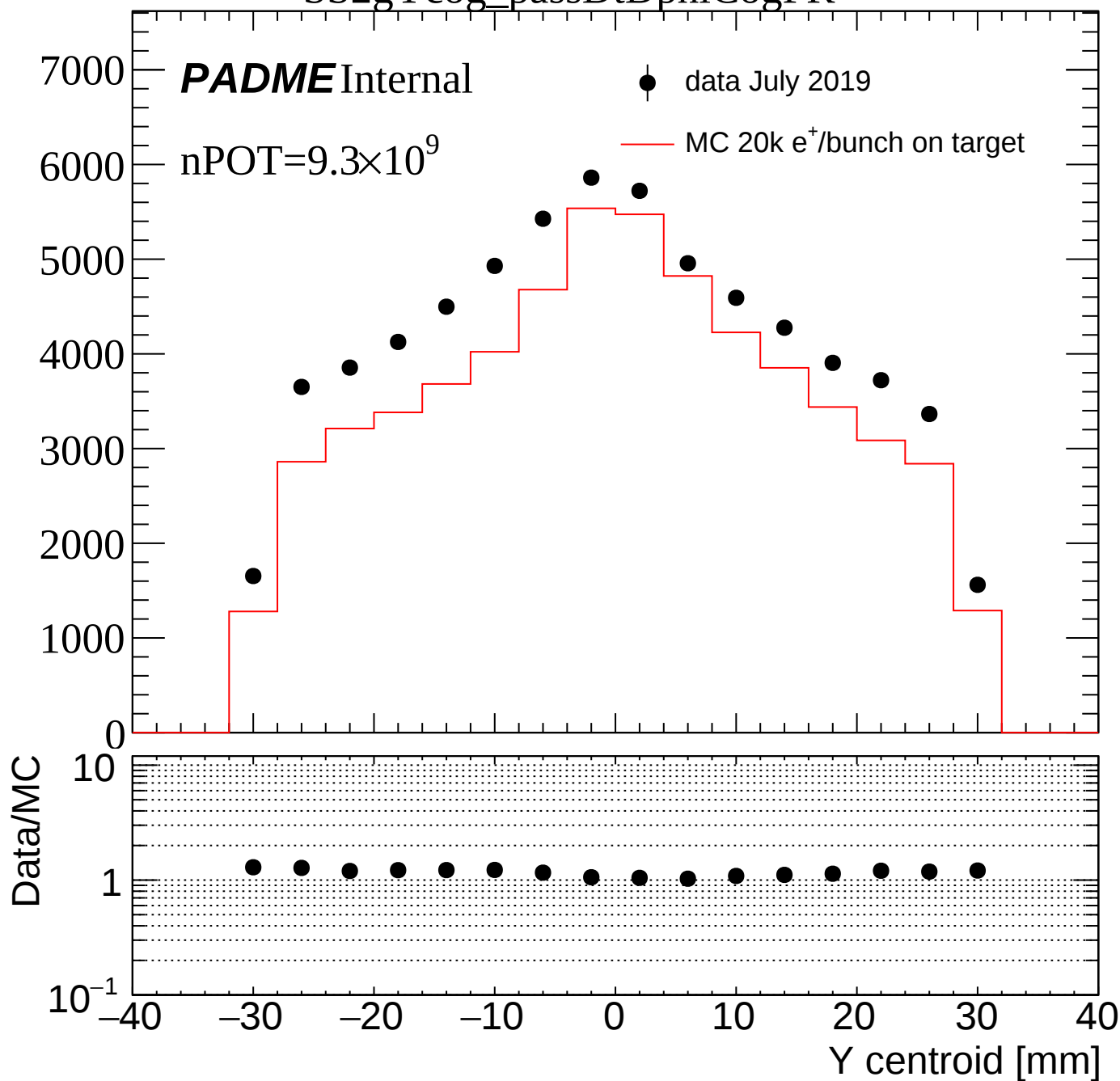
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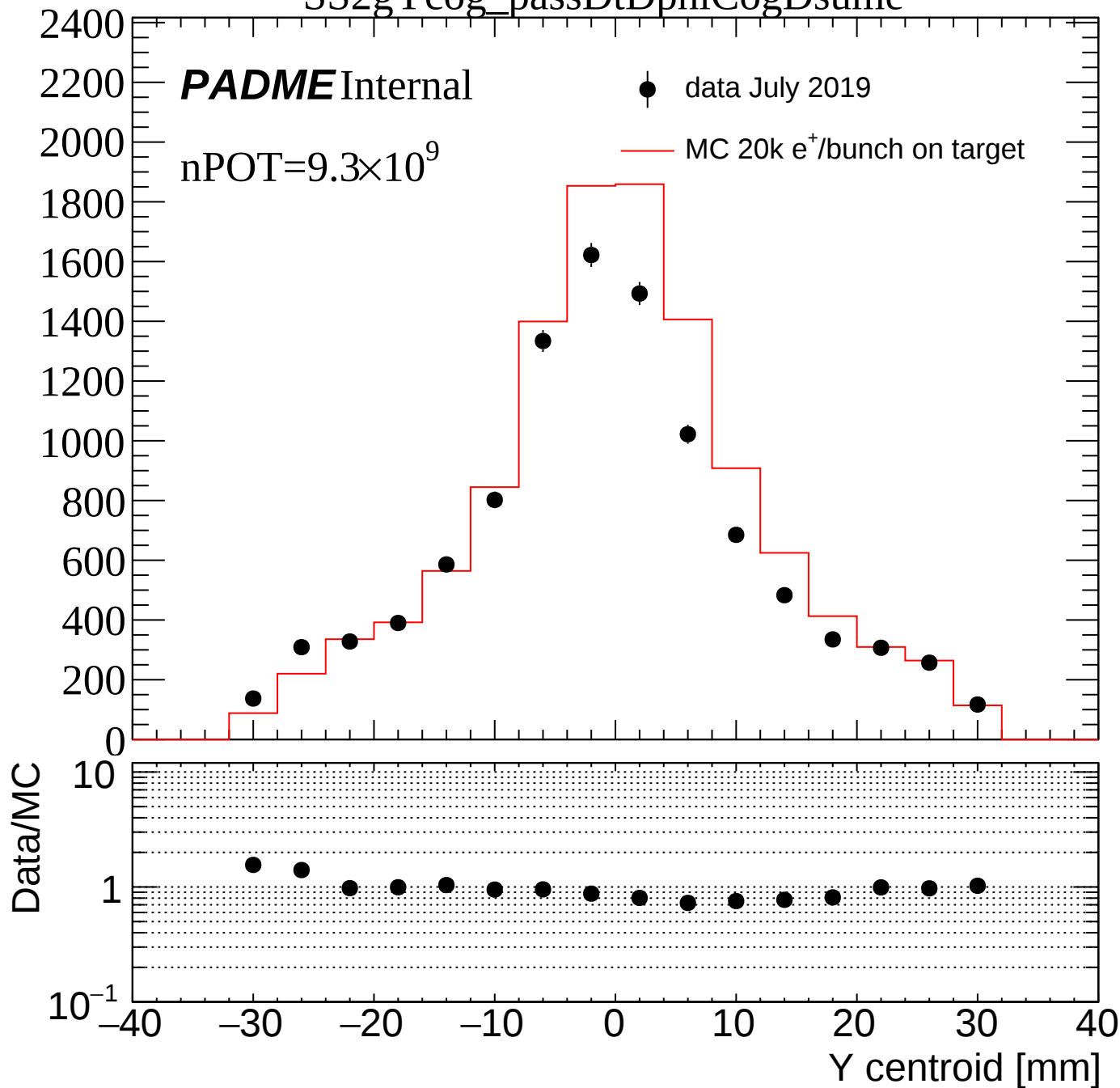
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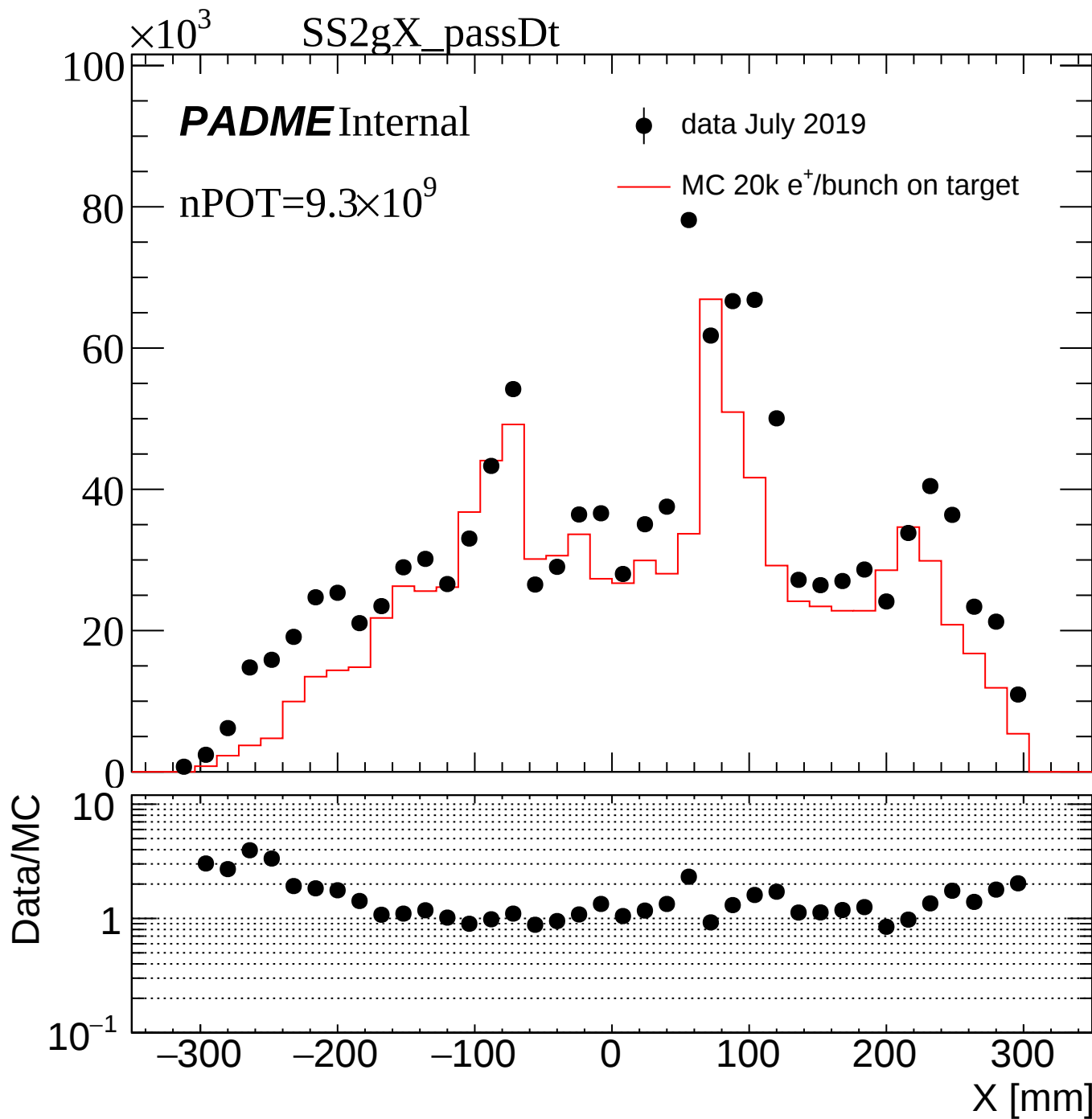


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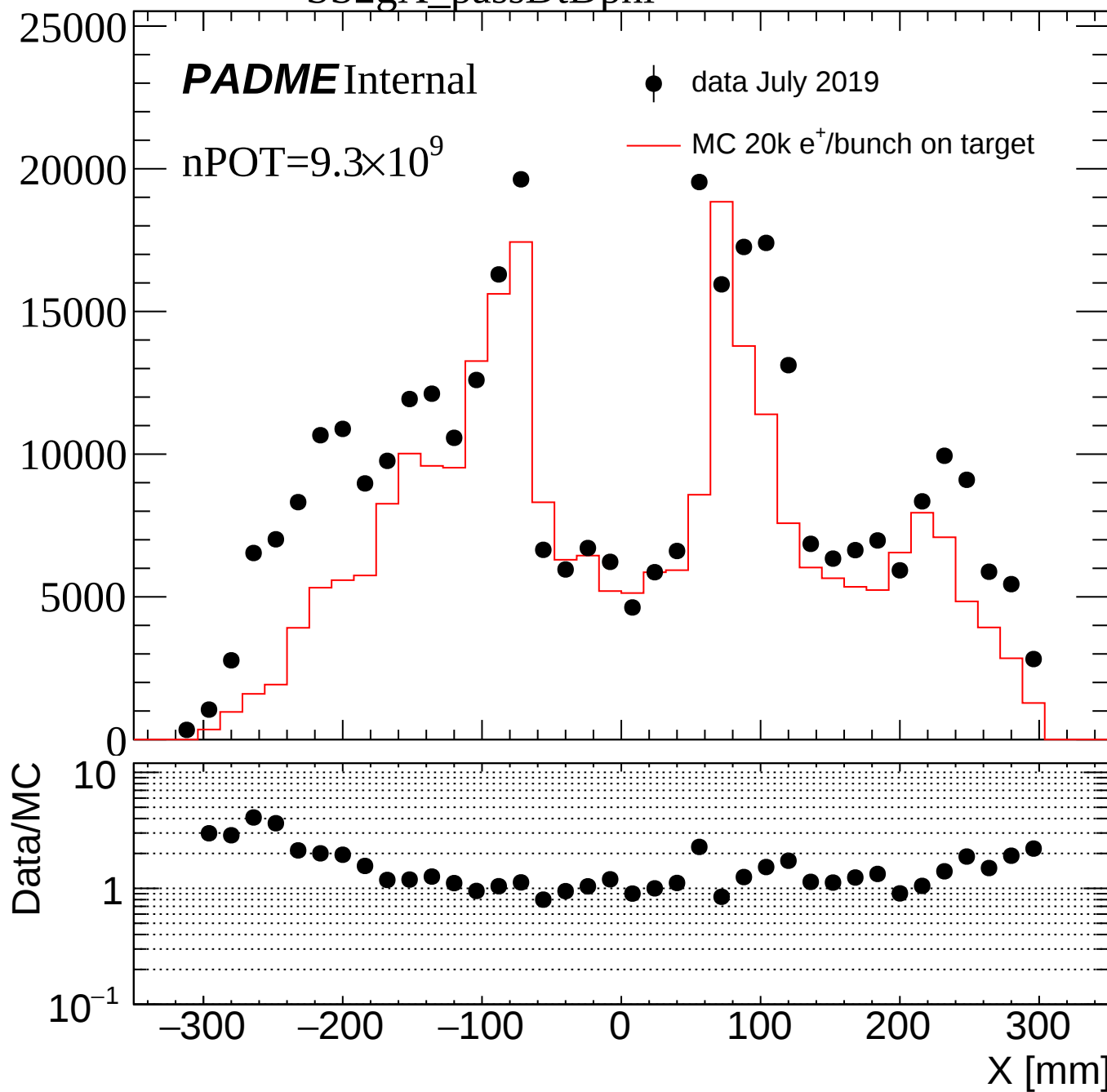


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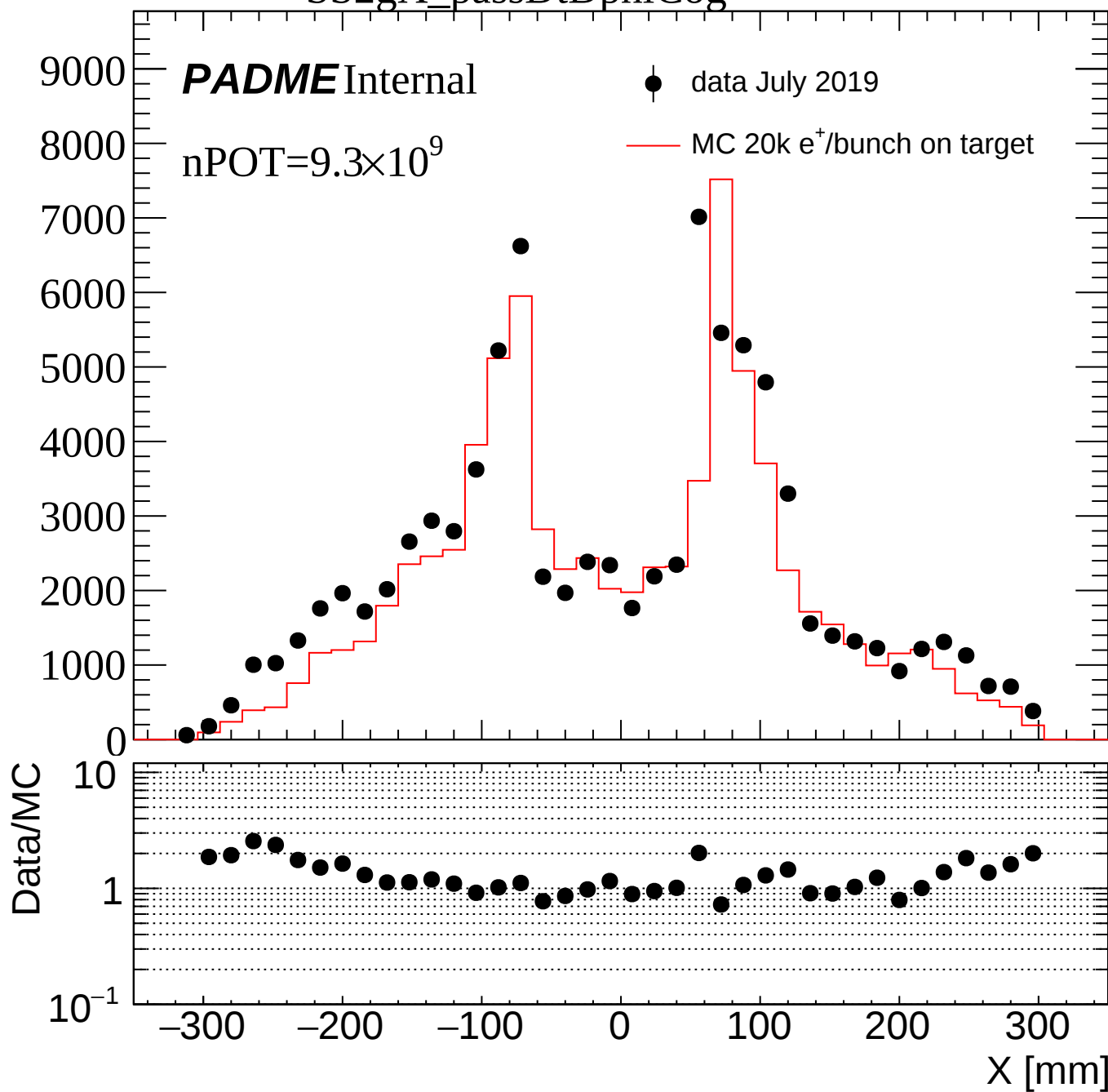




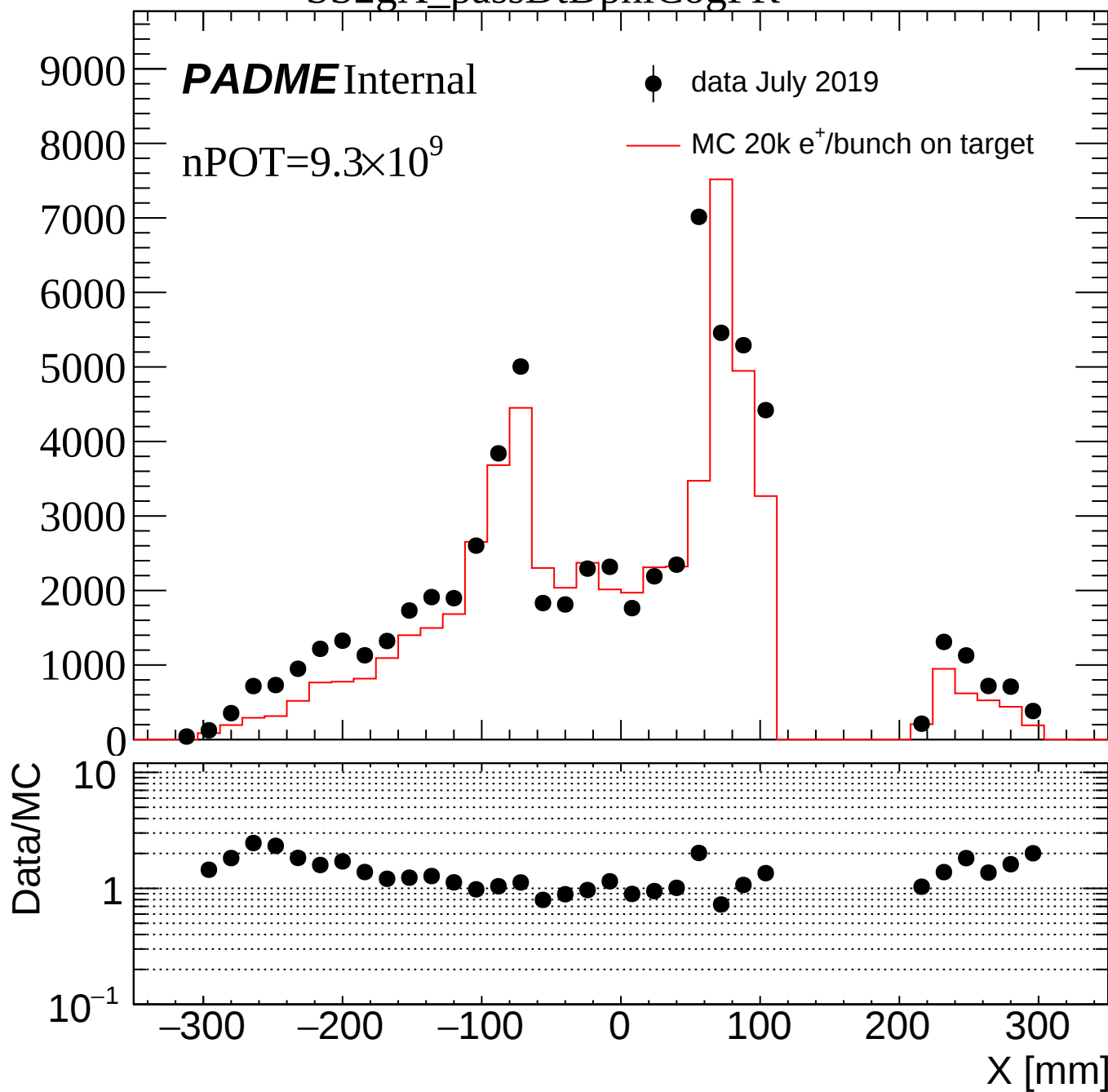
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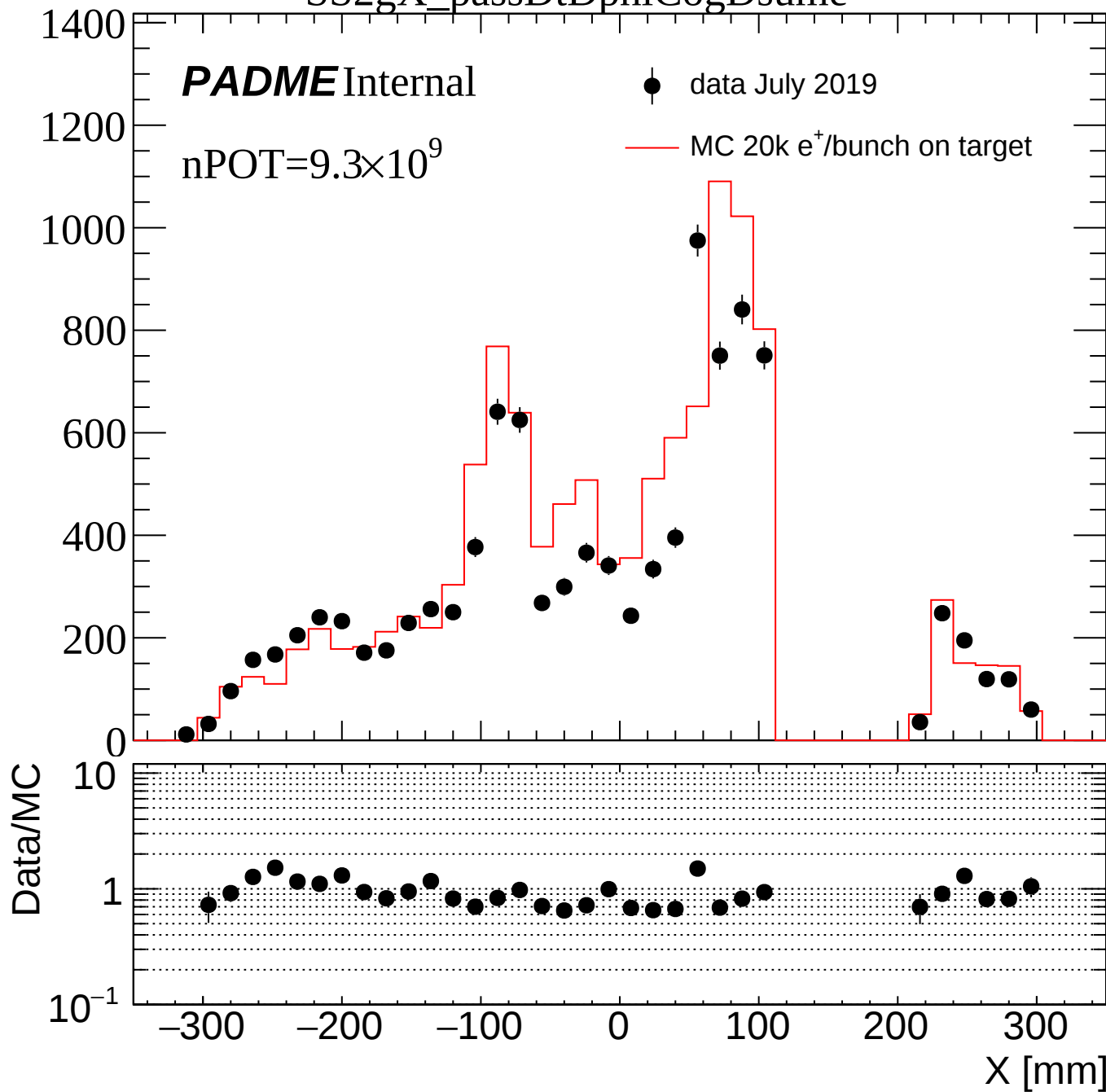
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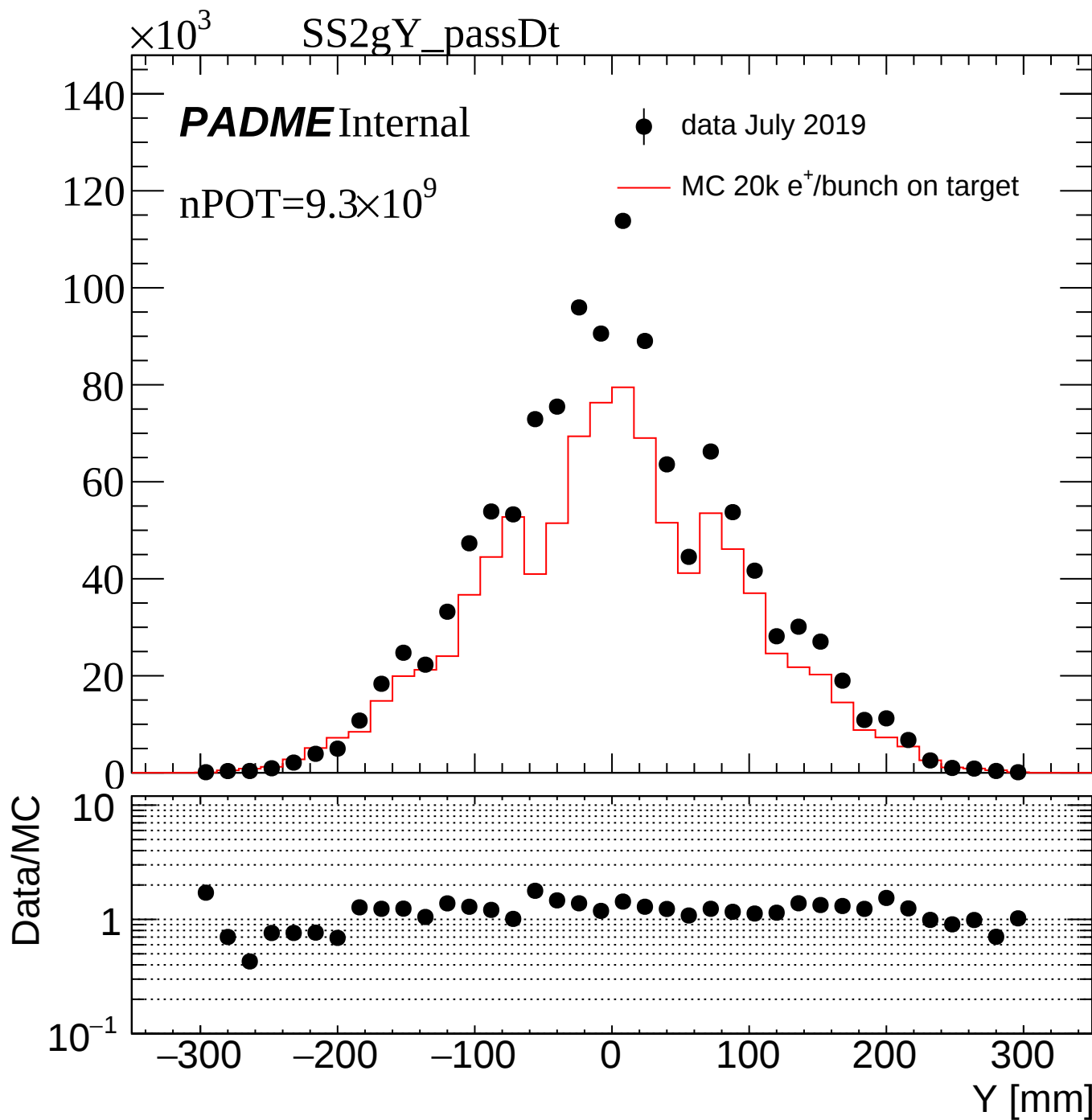


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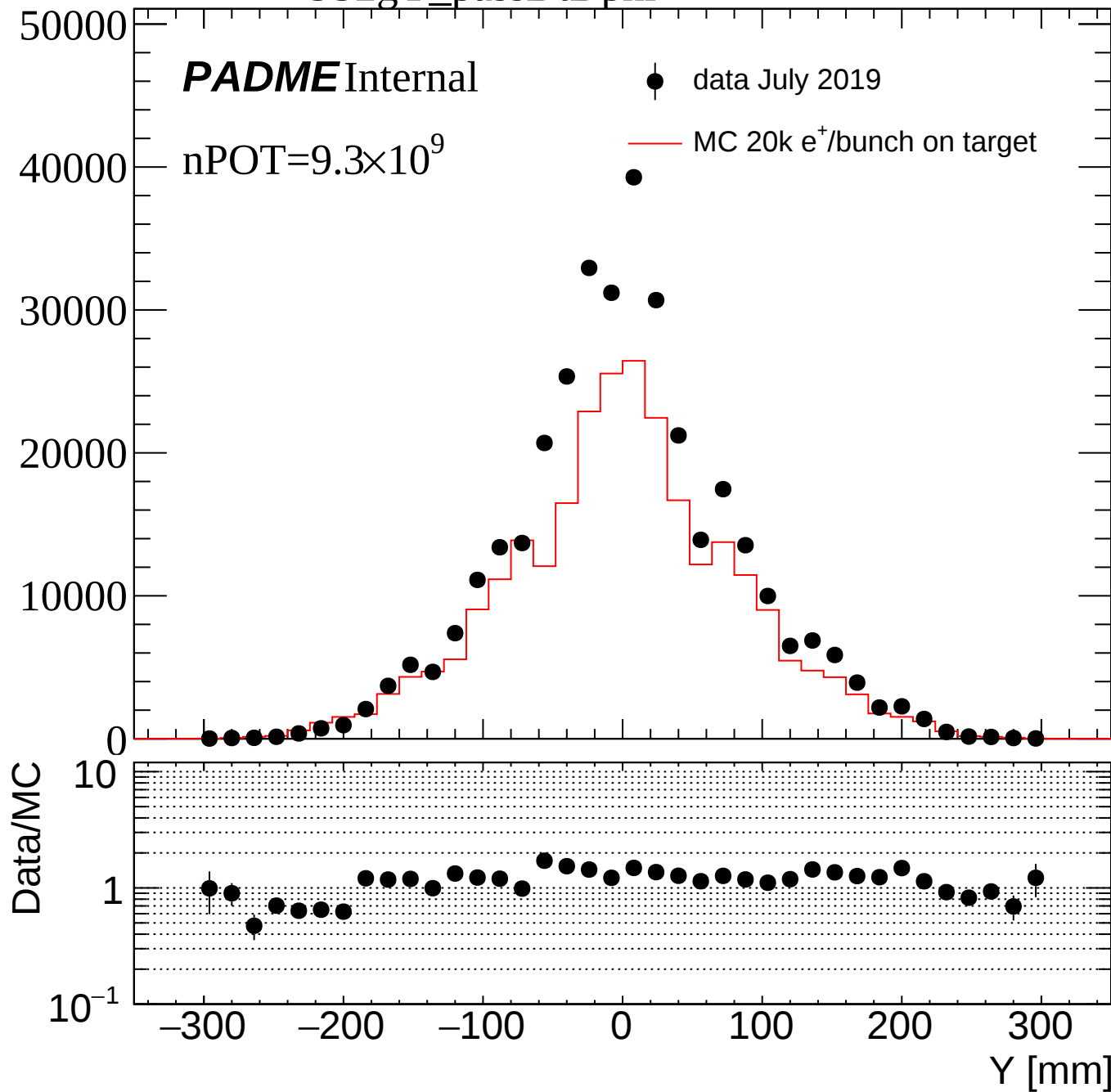


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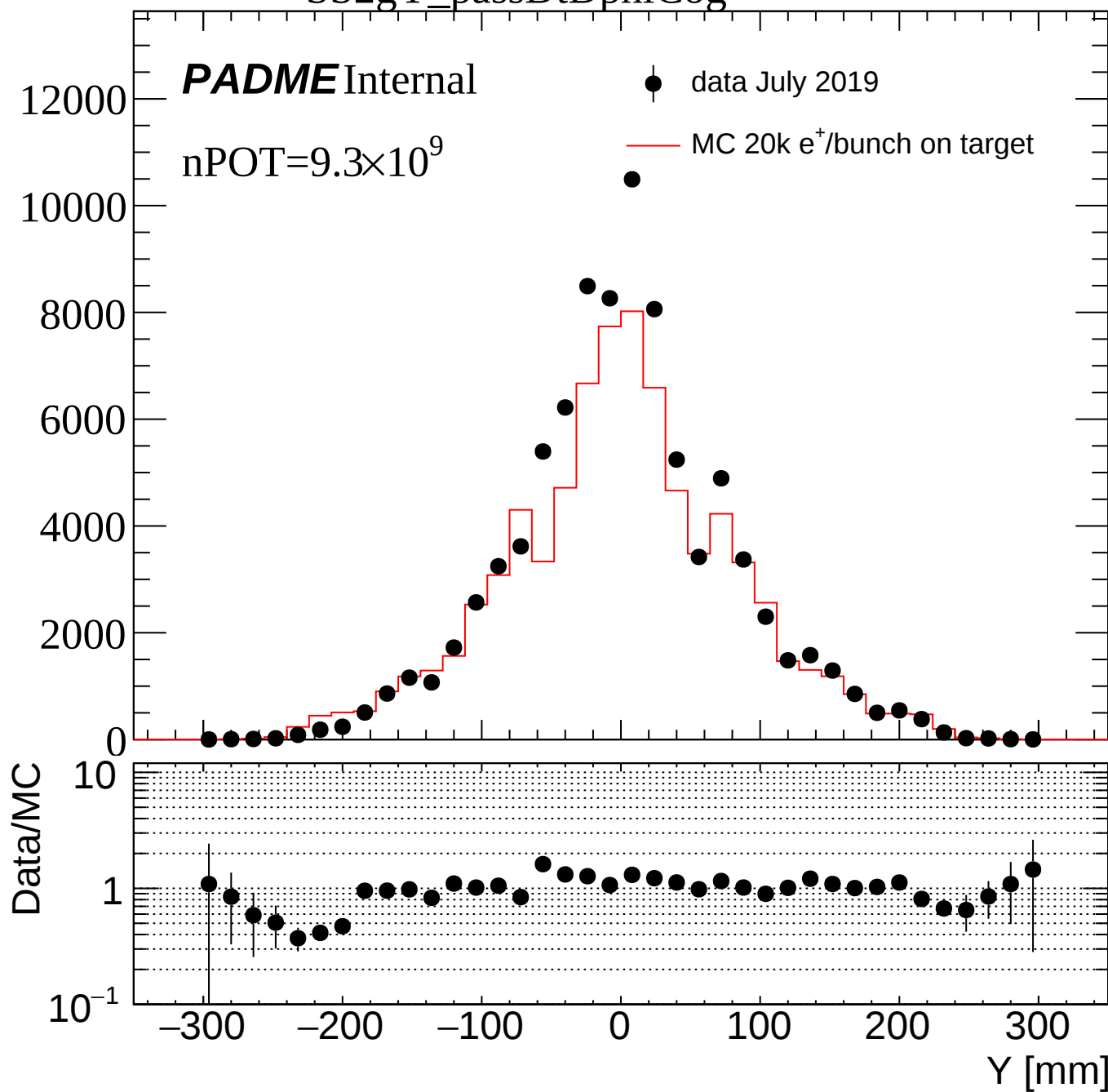




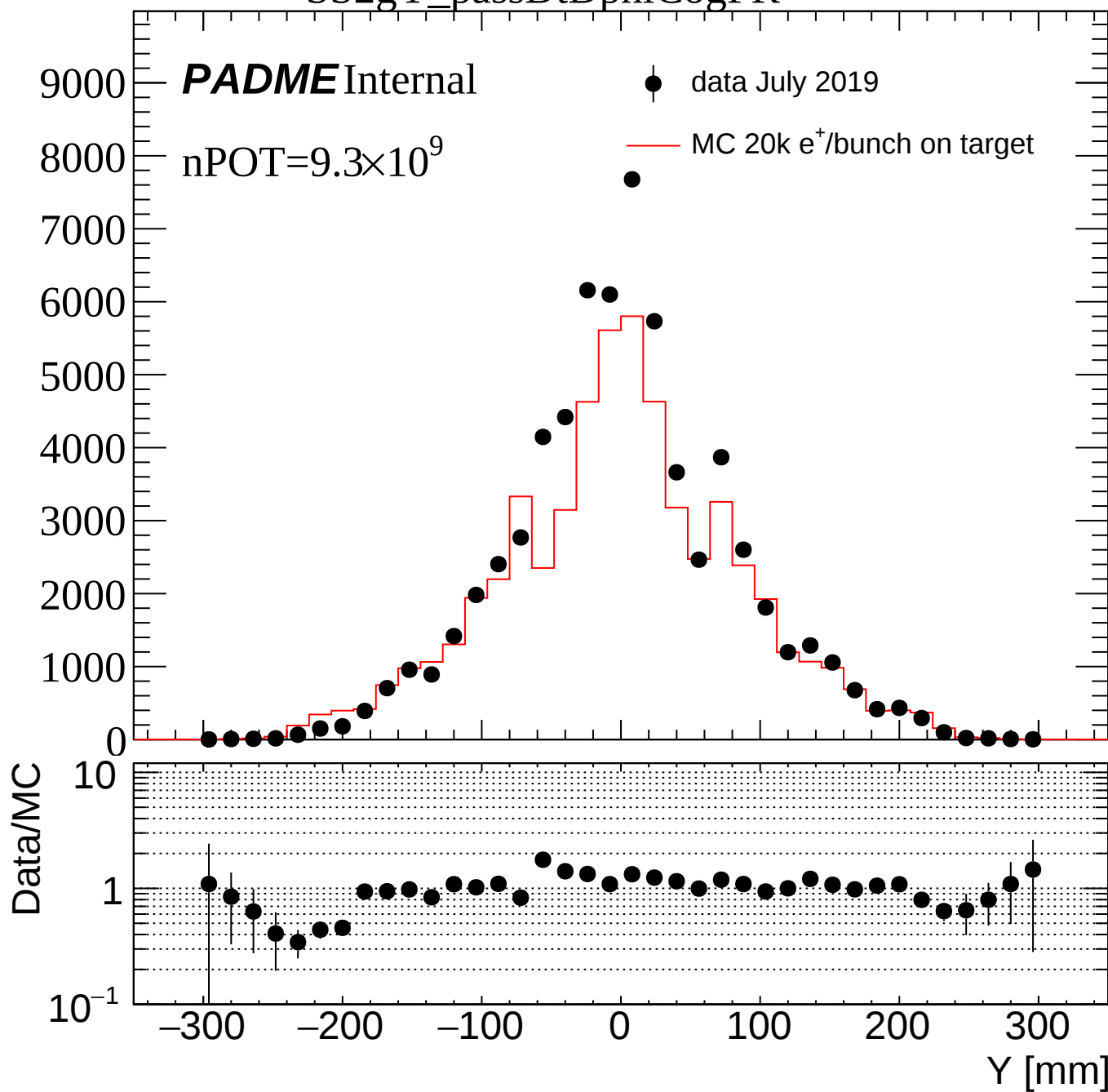
SS2gY_passDtDphi



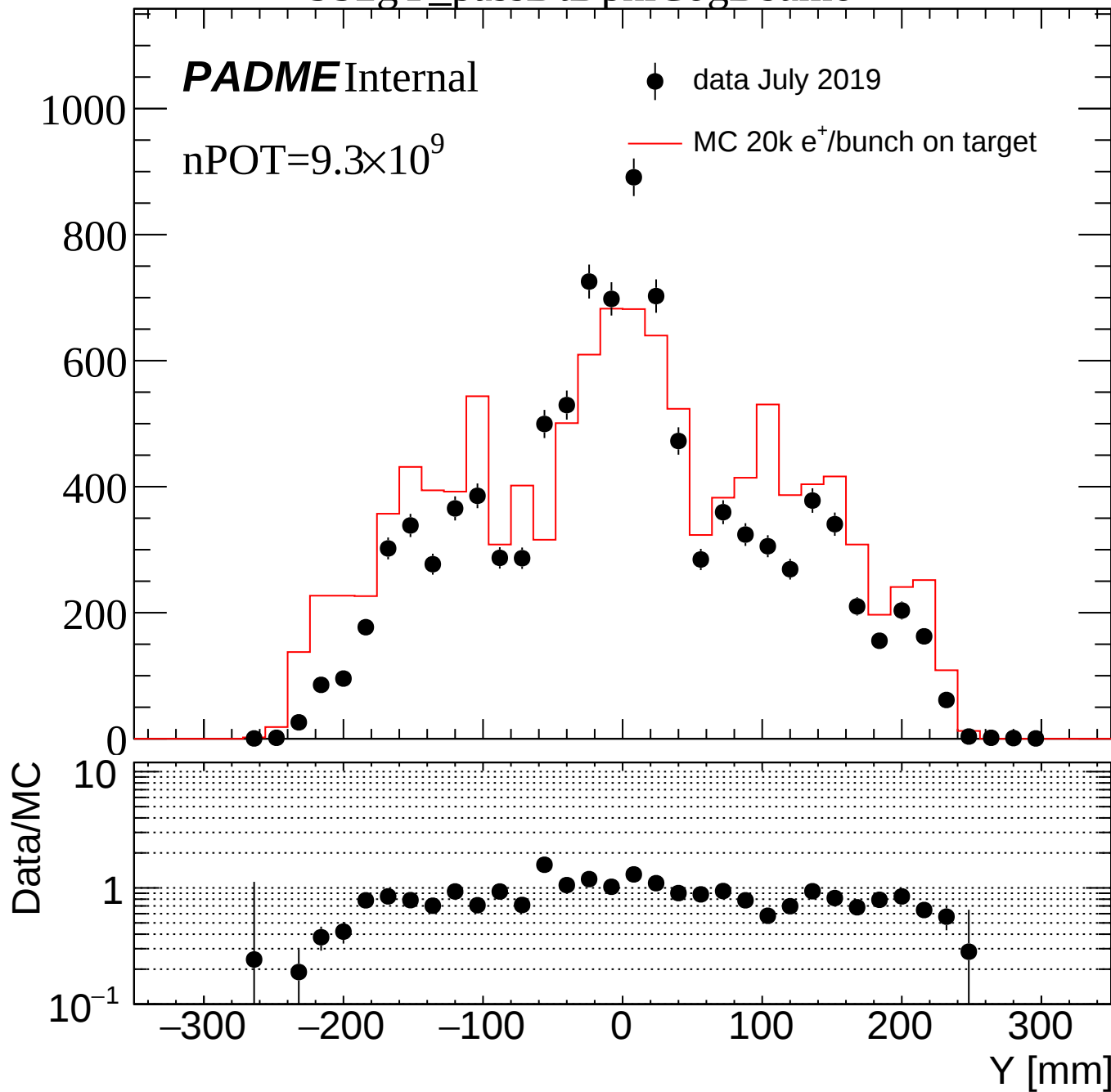
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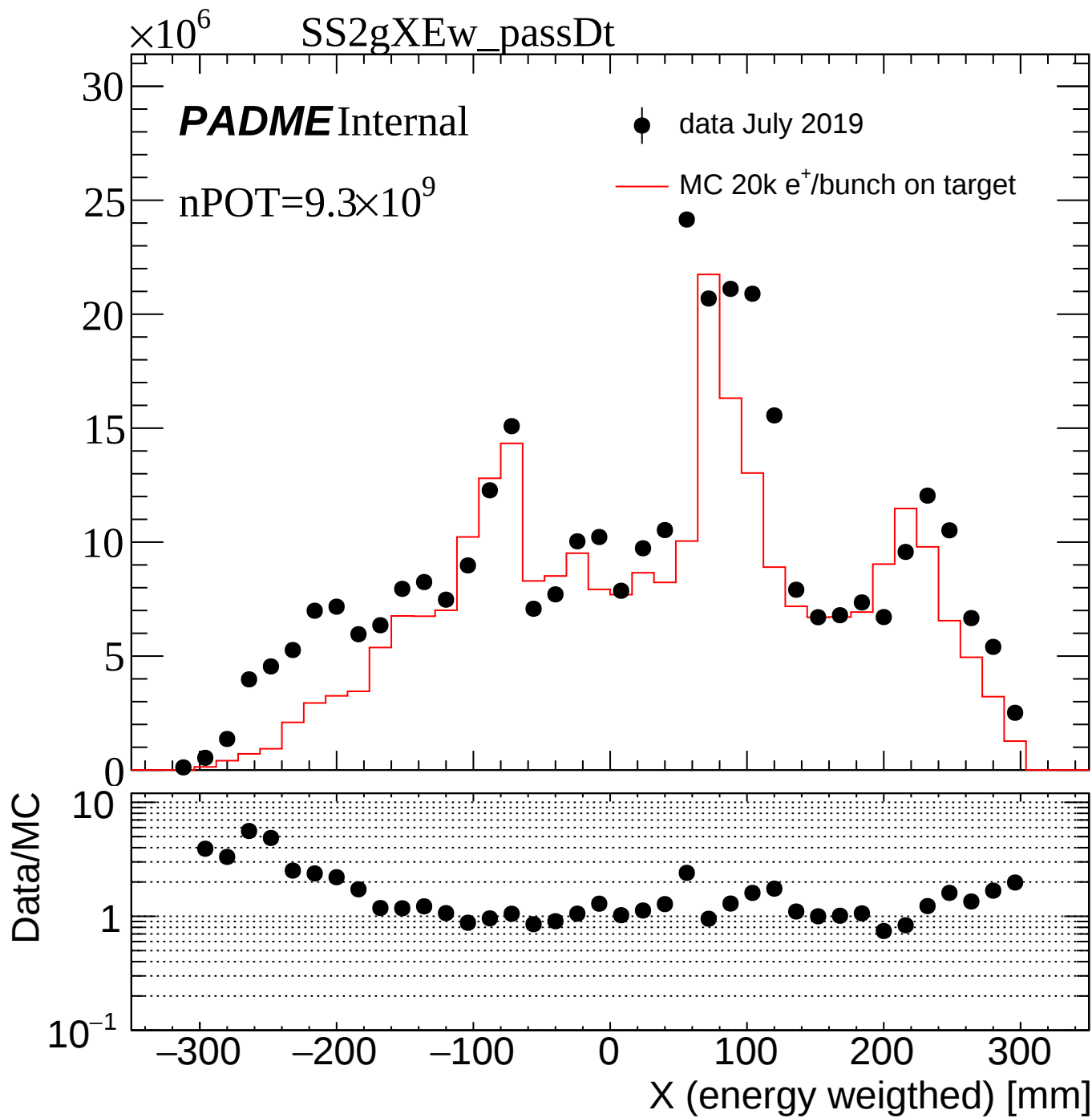


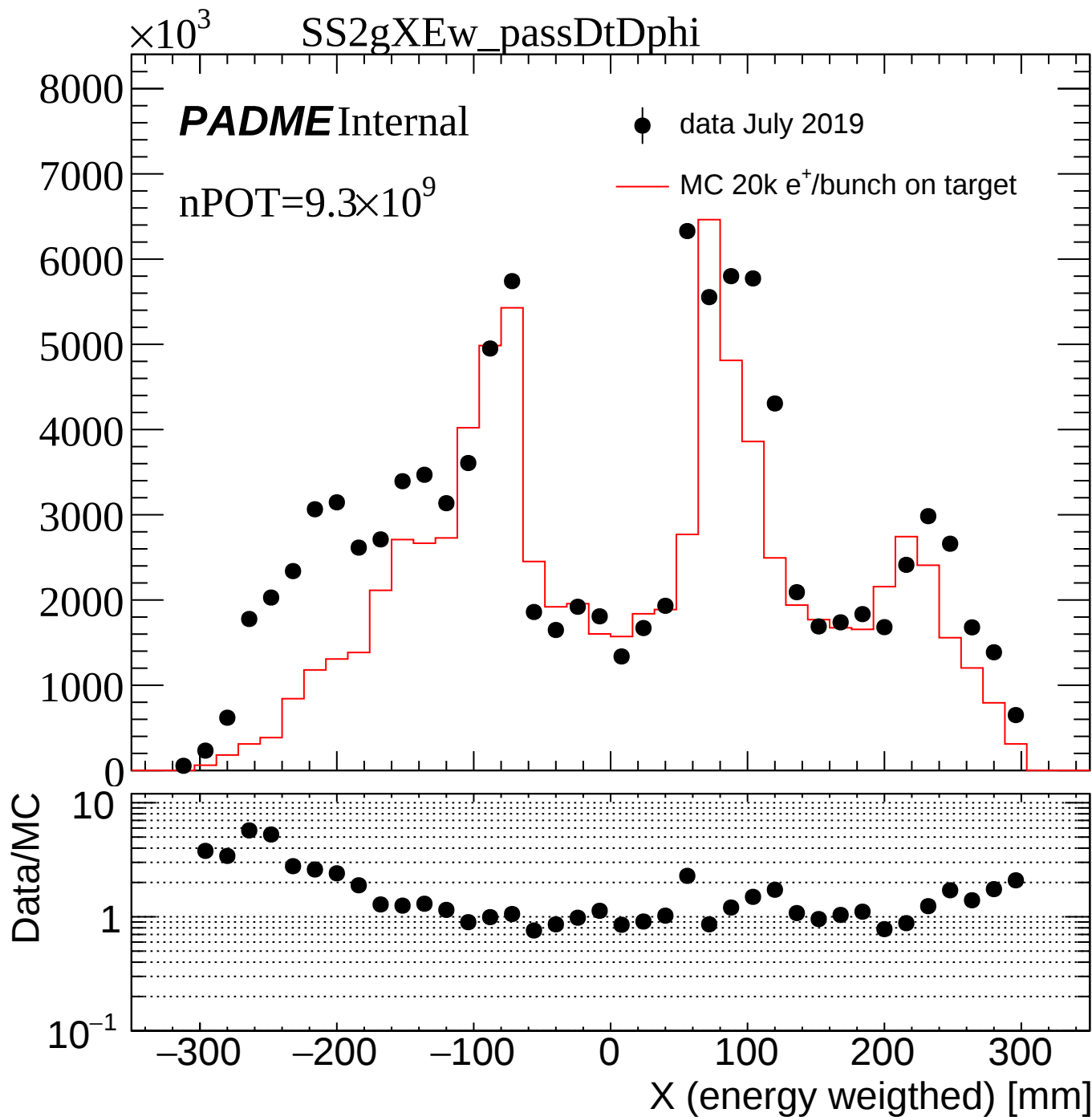
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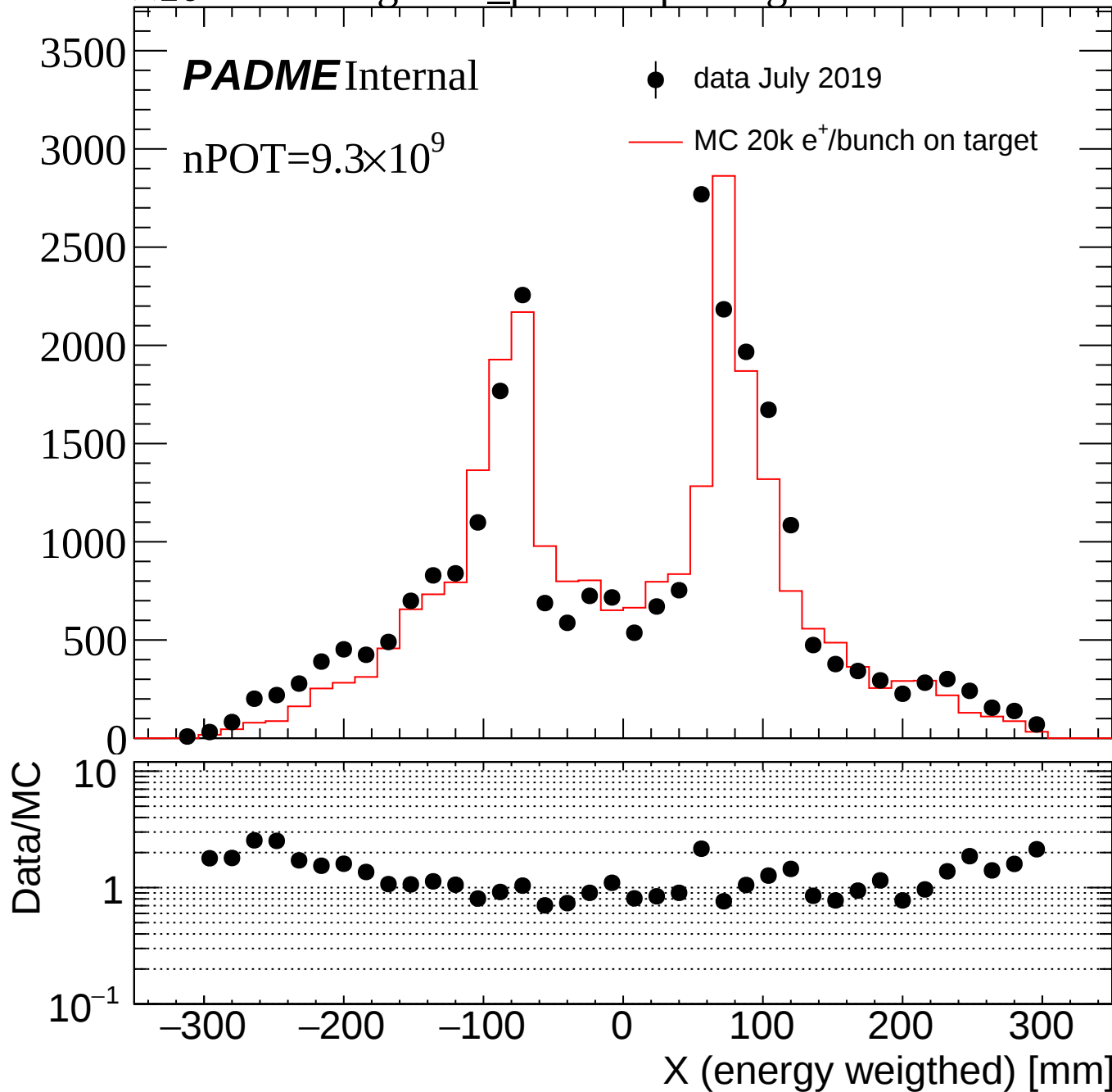
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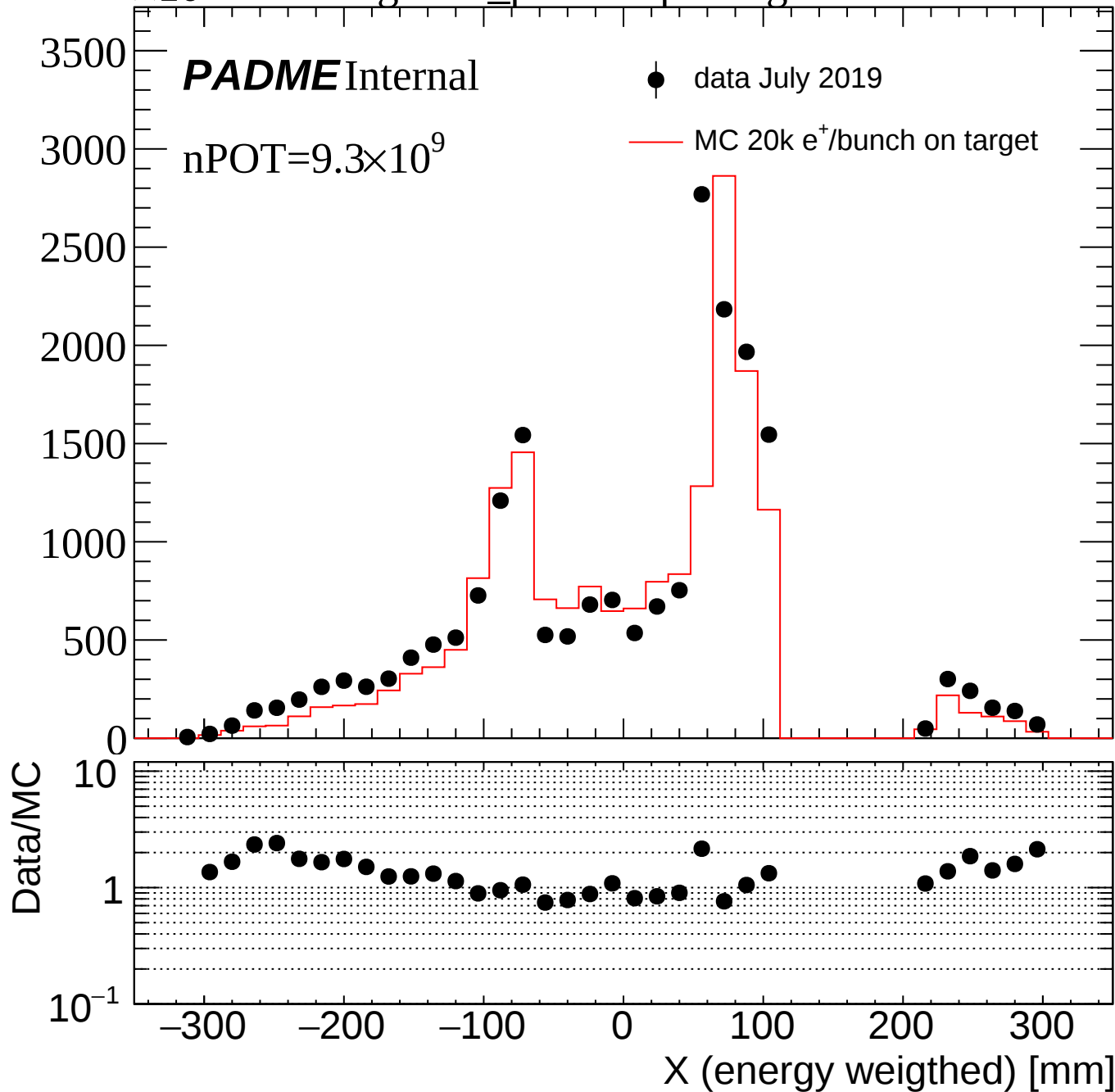




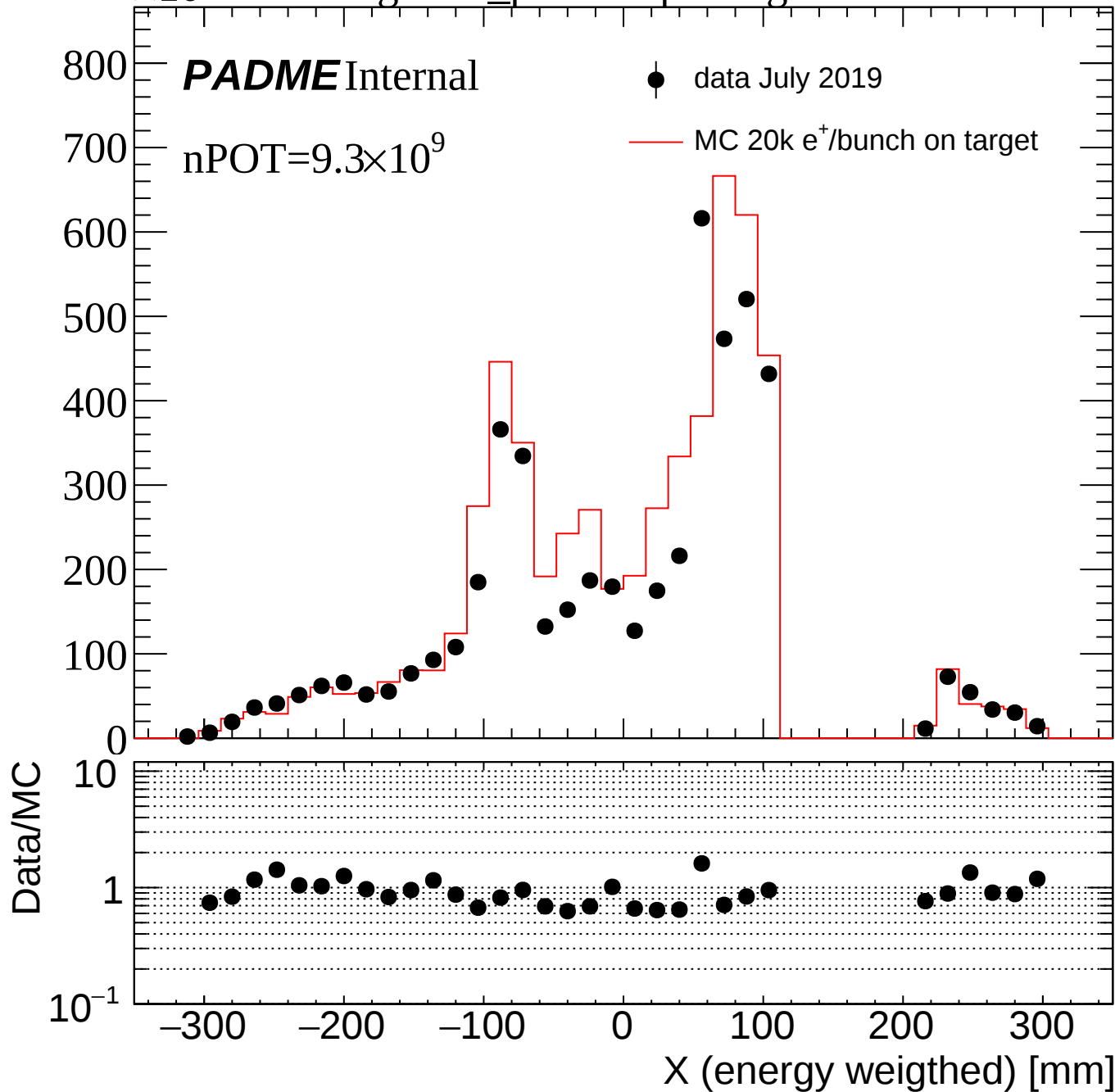
$\times 10^3$ SS2gXEw_passDtDphiCog

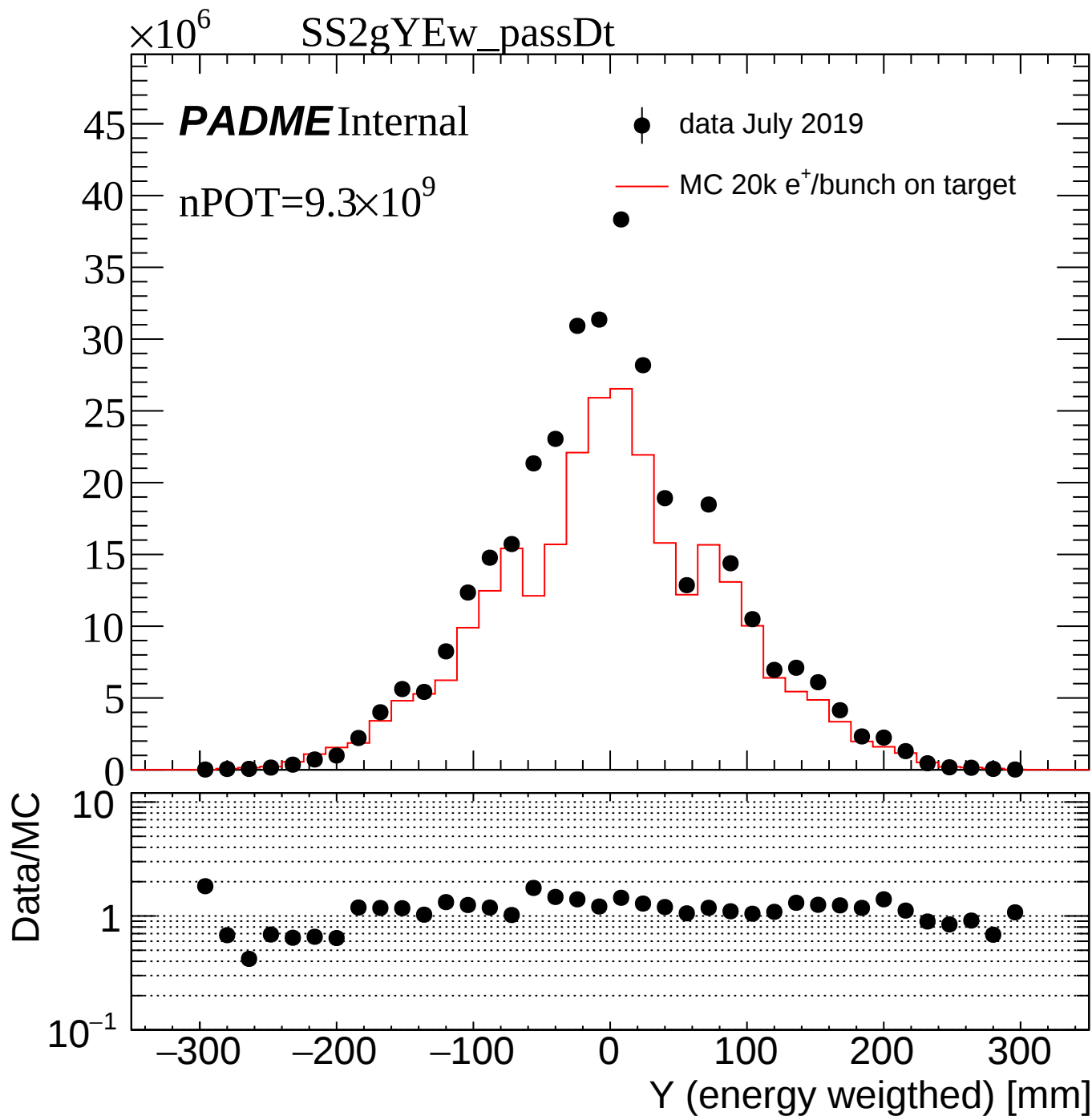


SS2gXEw_passDtDphiCogFR



SS2gXEw_passDtDphiCogDsume





SS2gYEw_passDtDphi

PADME Internal

nPOT=9.3×10⁹

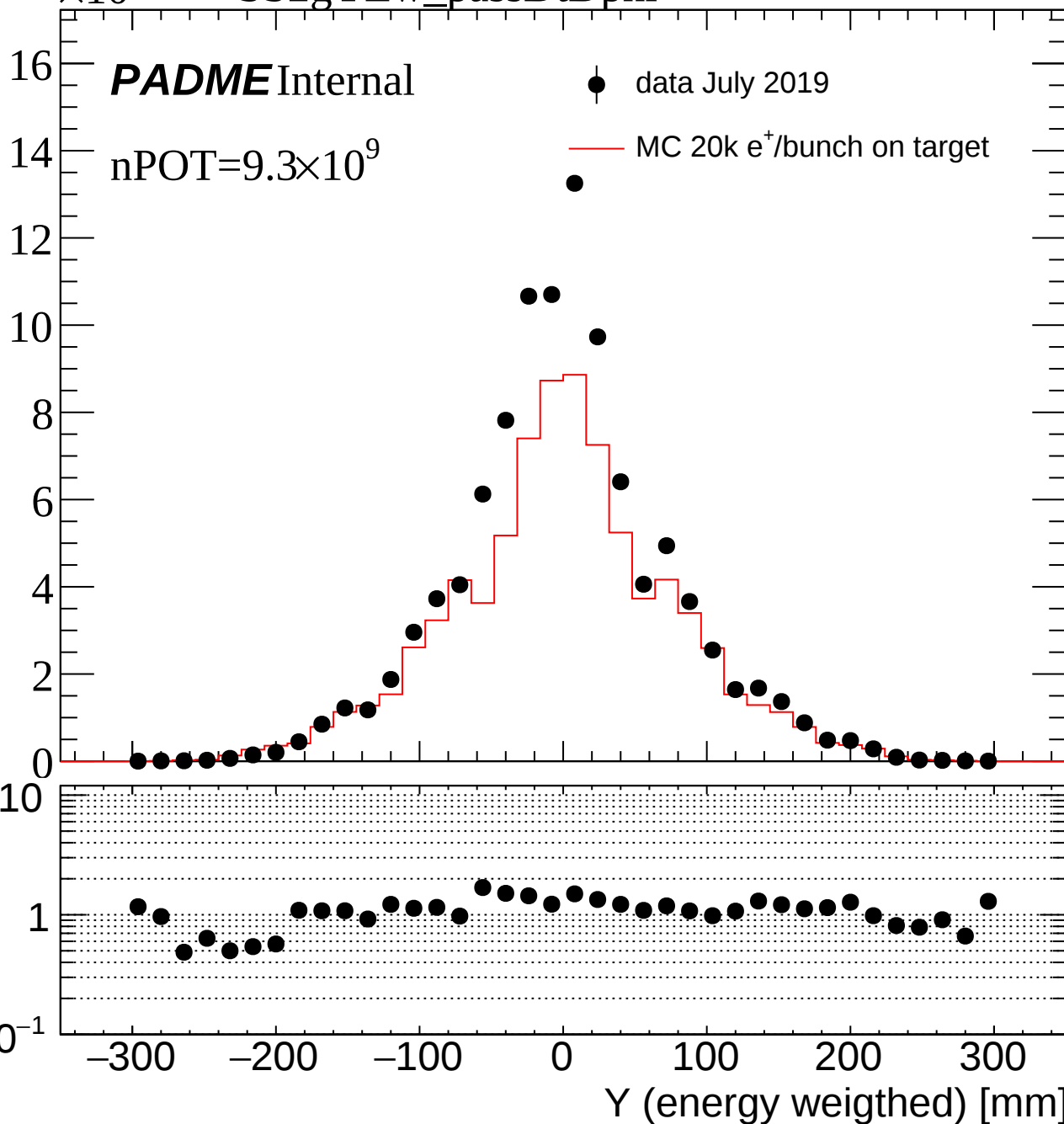
● data July 2019

— MC 20k e⁺/bunch on target

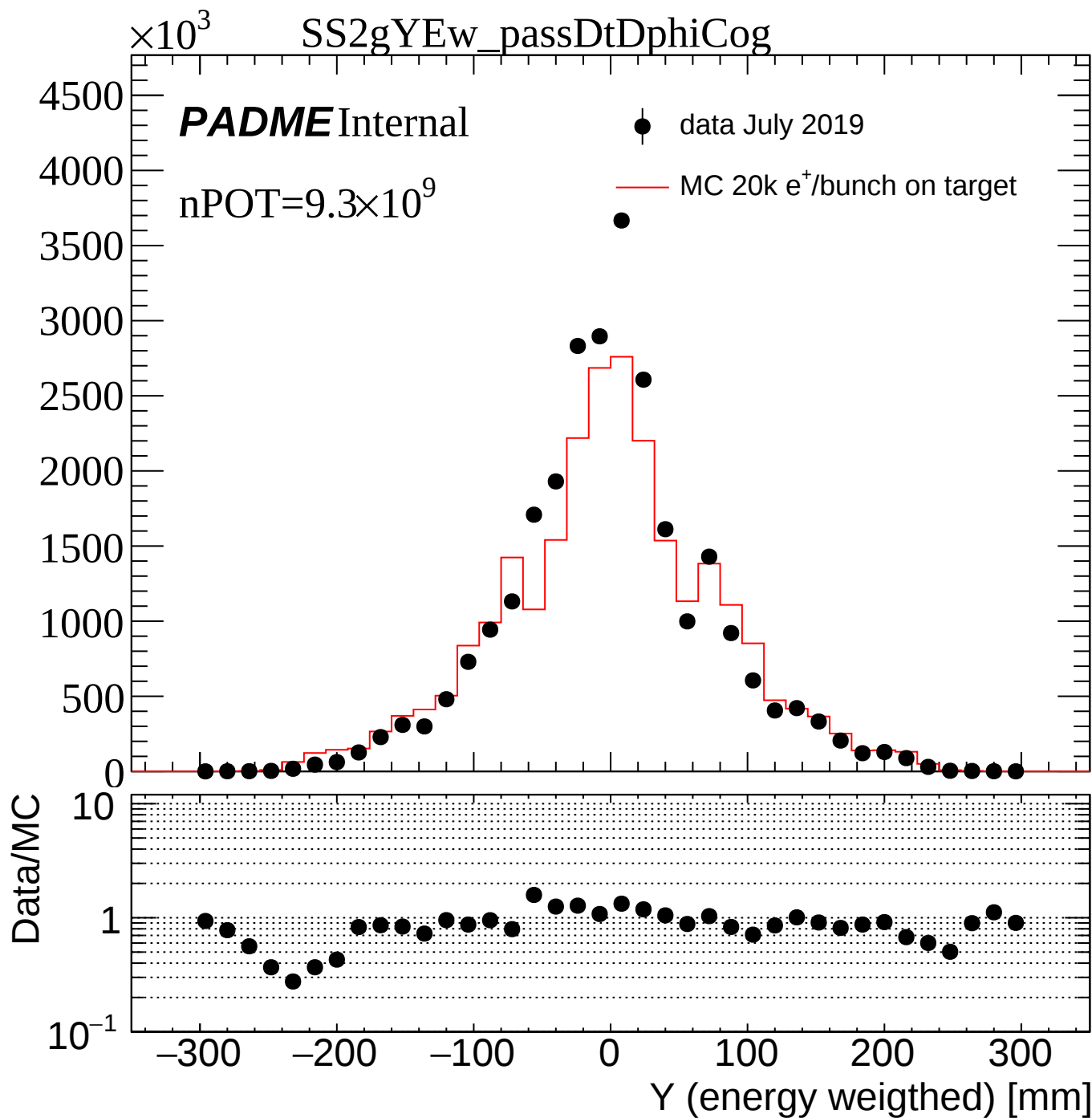
Data/MC

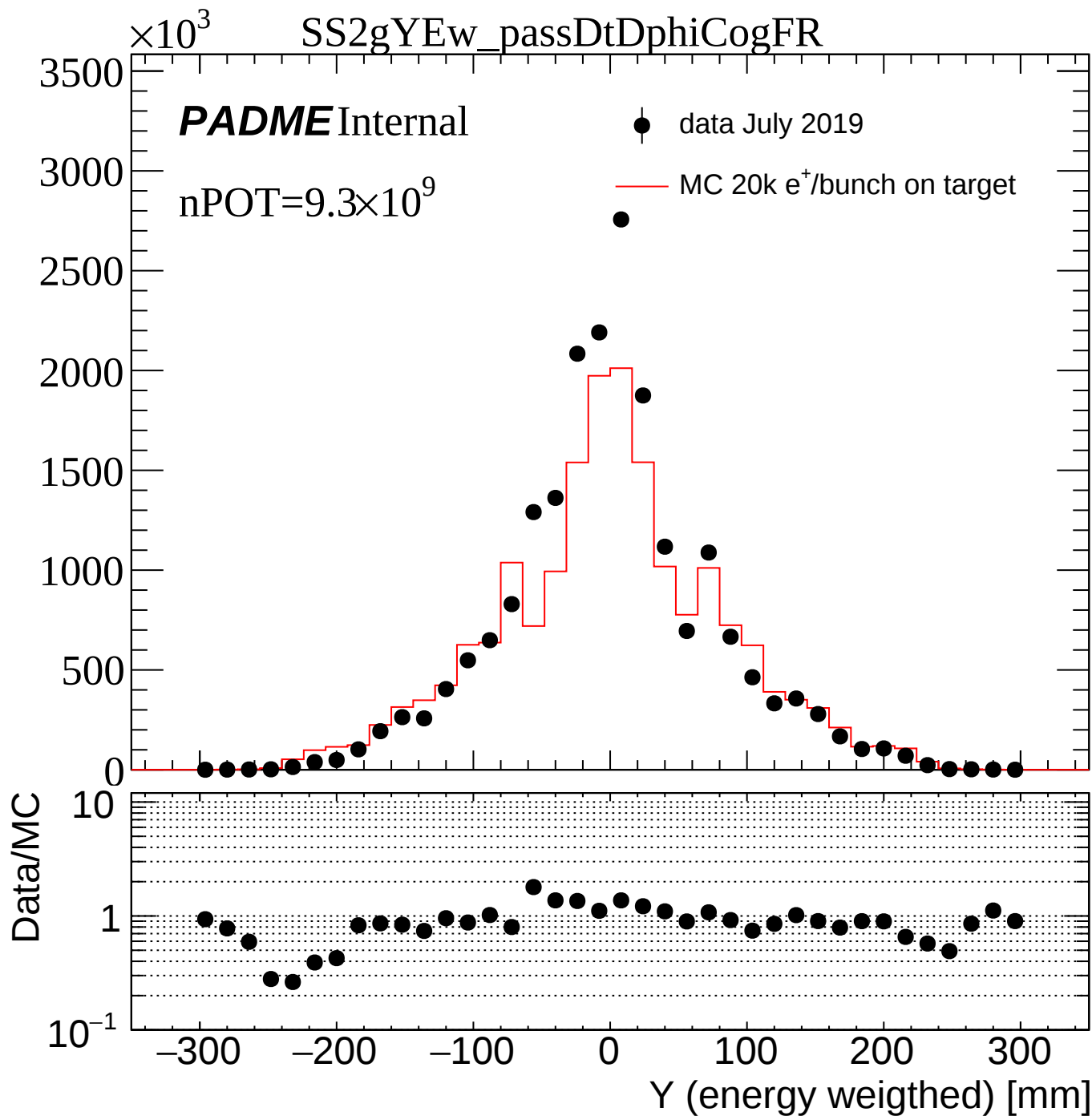
10
1
10⁻¹

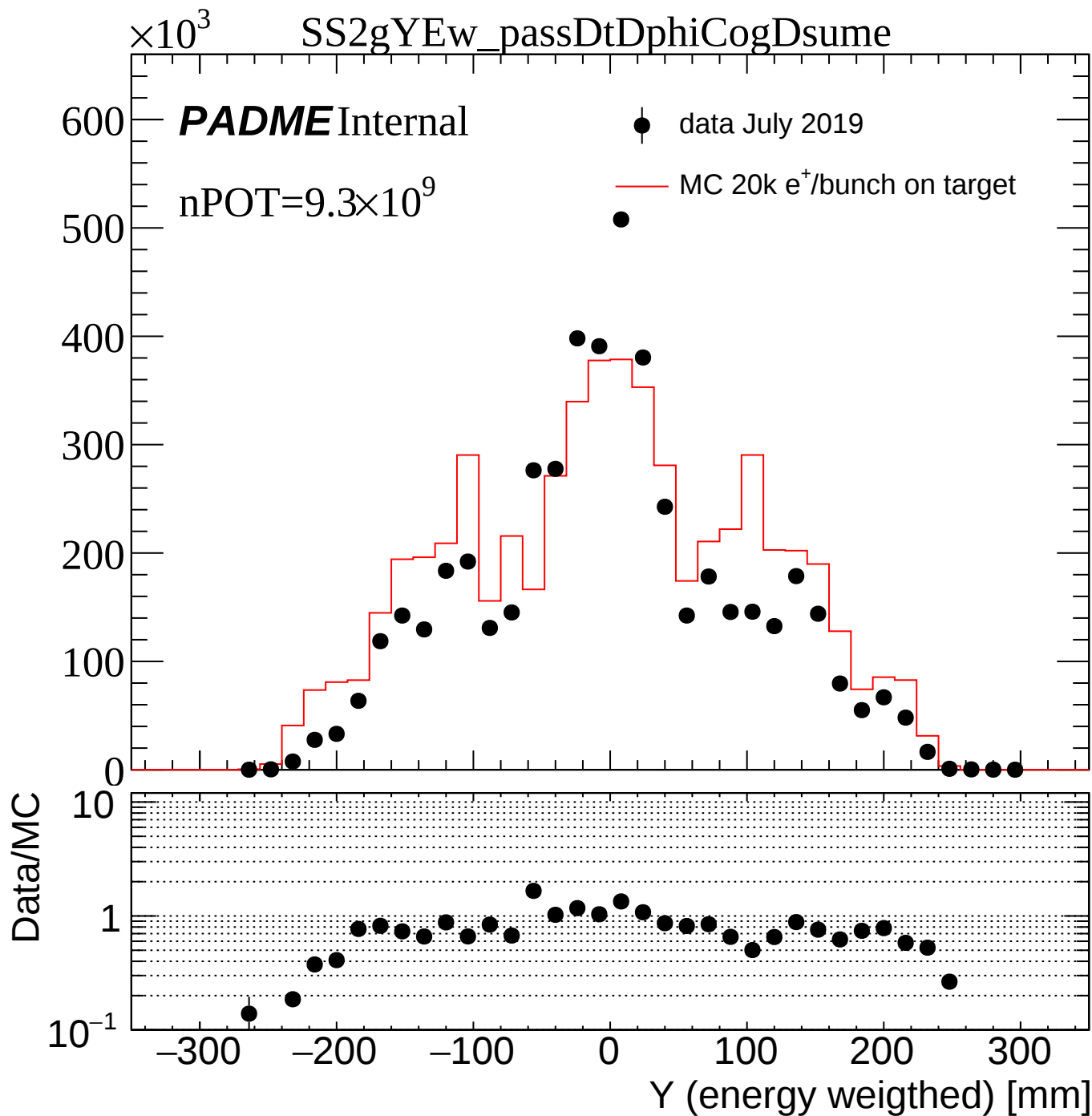
Y (energy weighed) [mm]



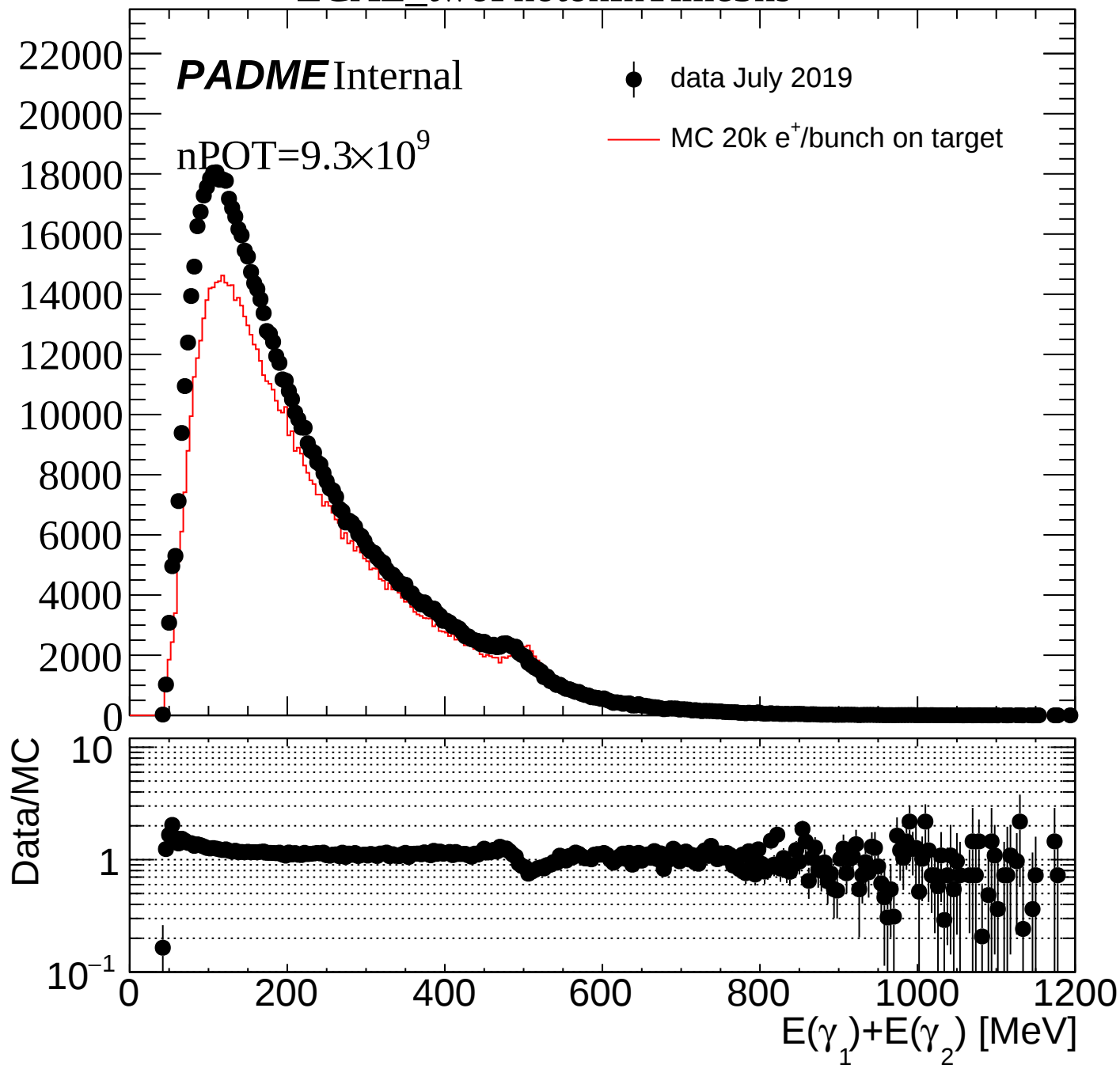
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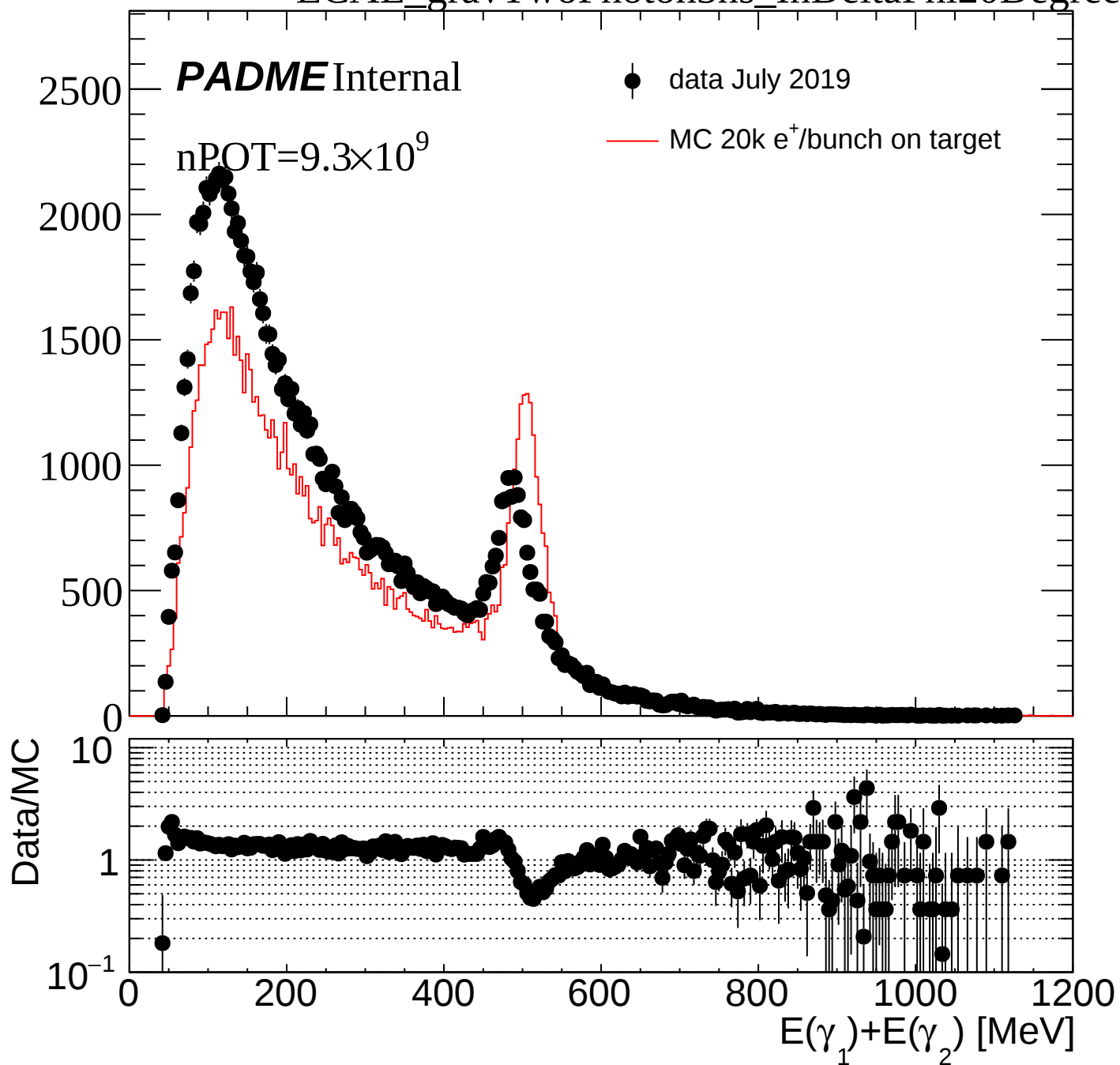


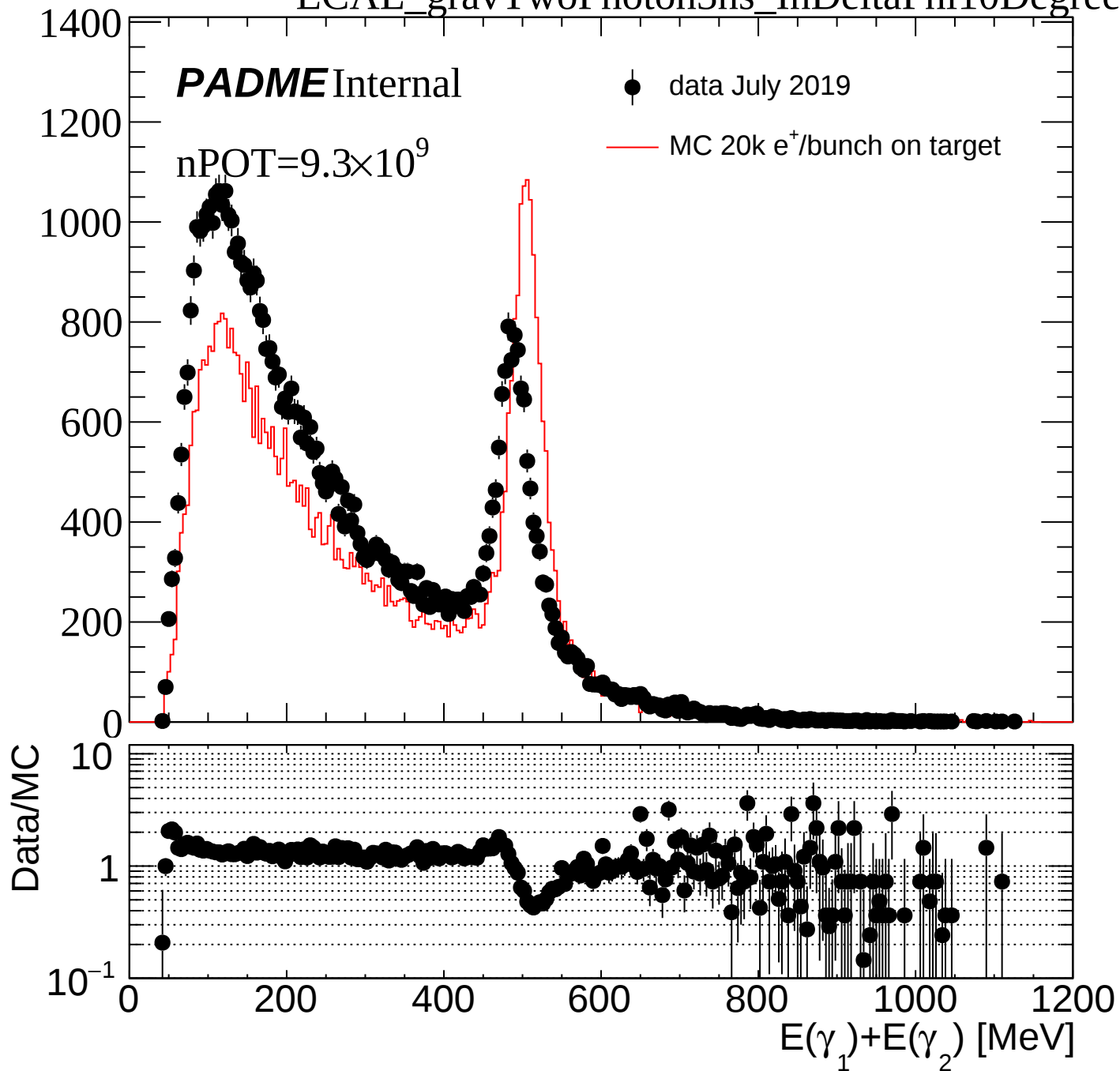




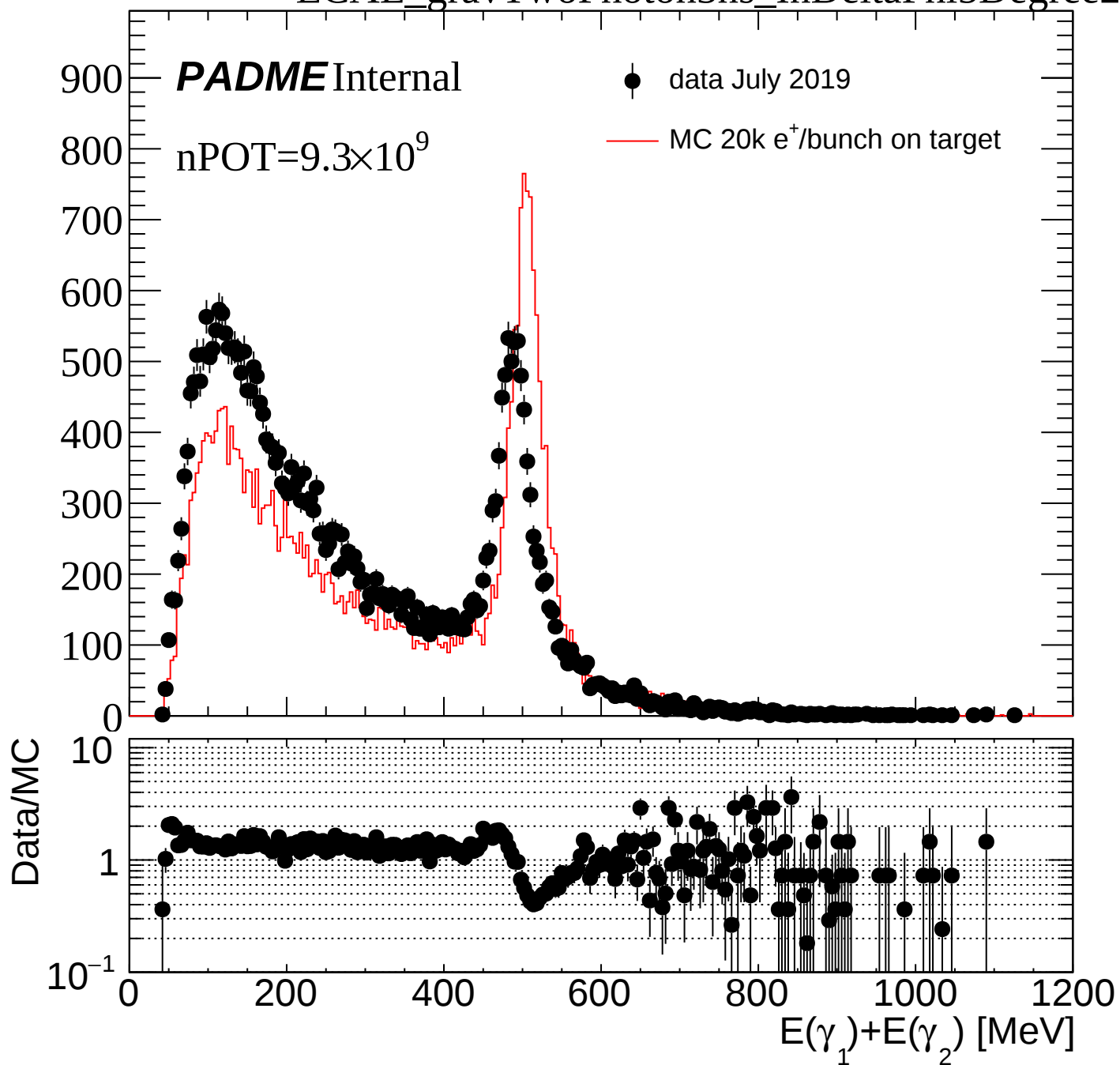
ECAL_twoPhotonInTime3ns

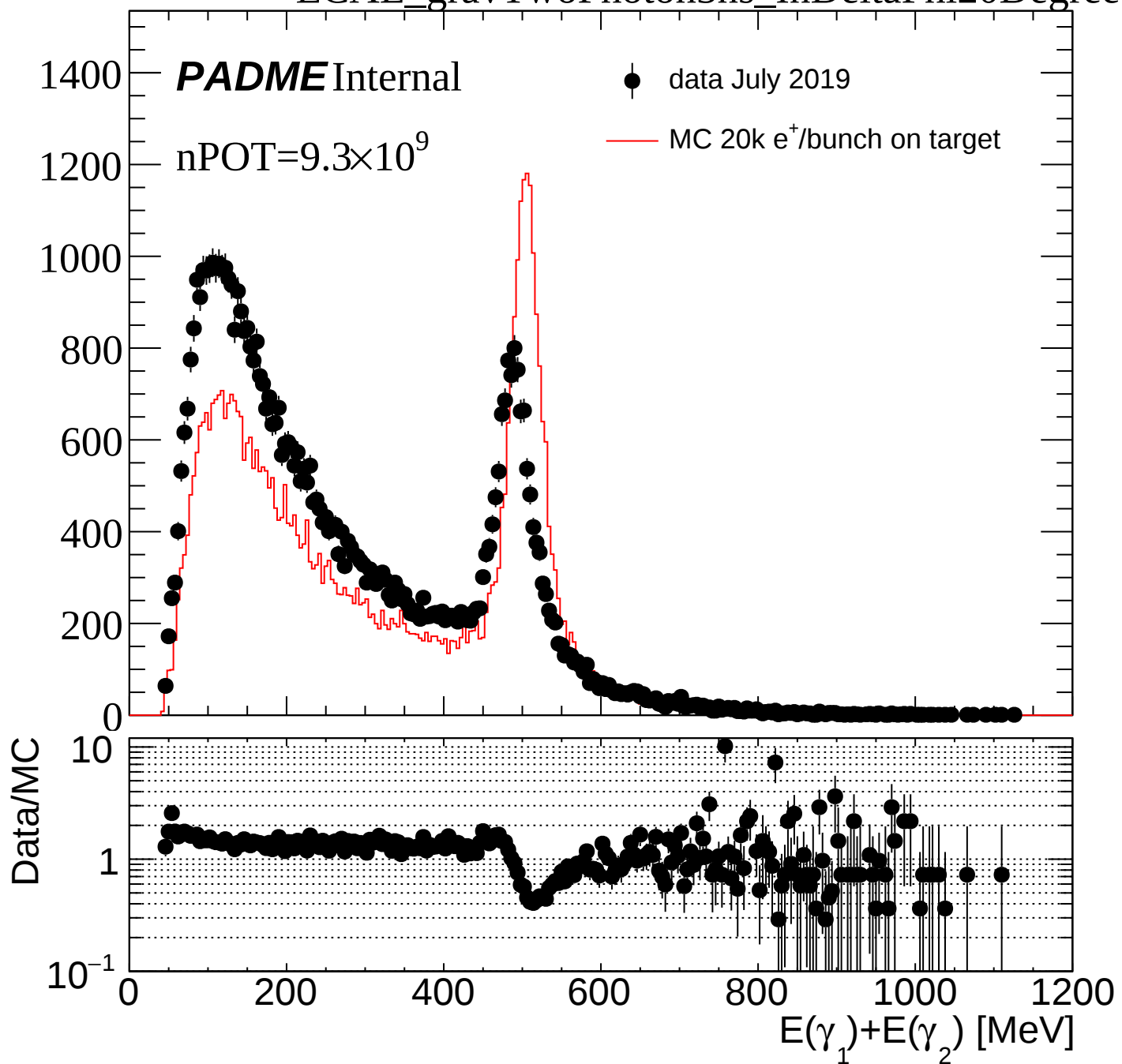


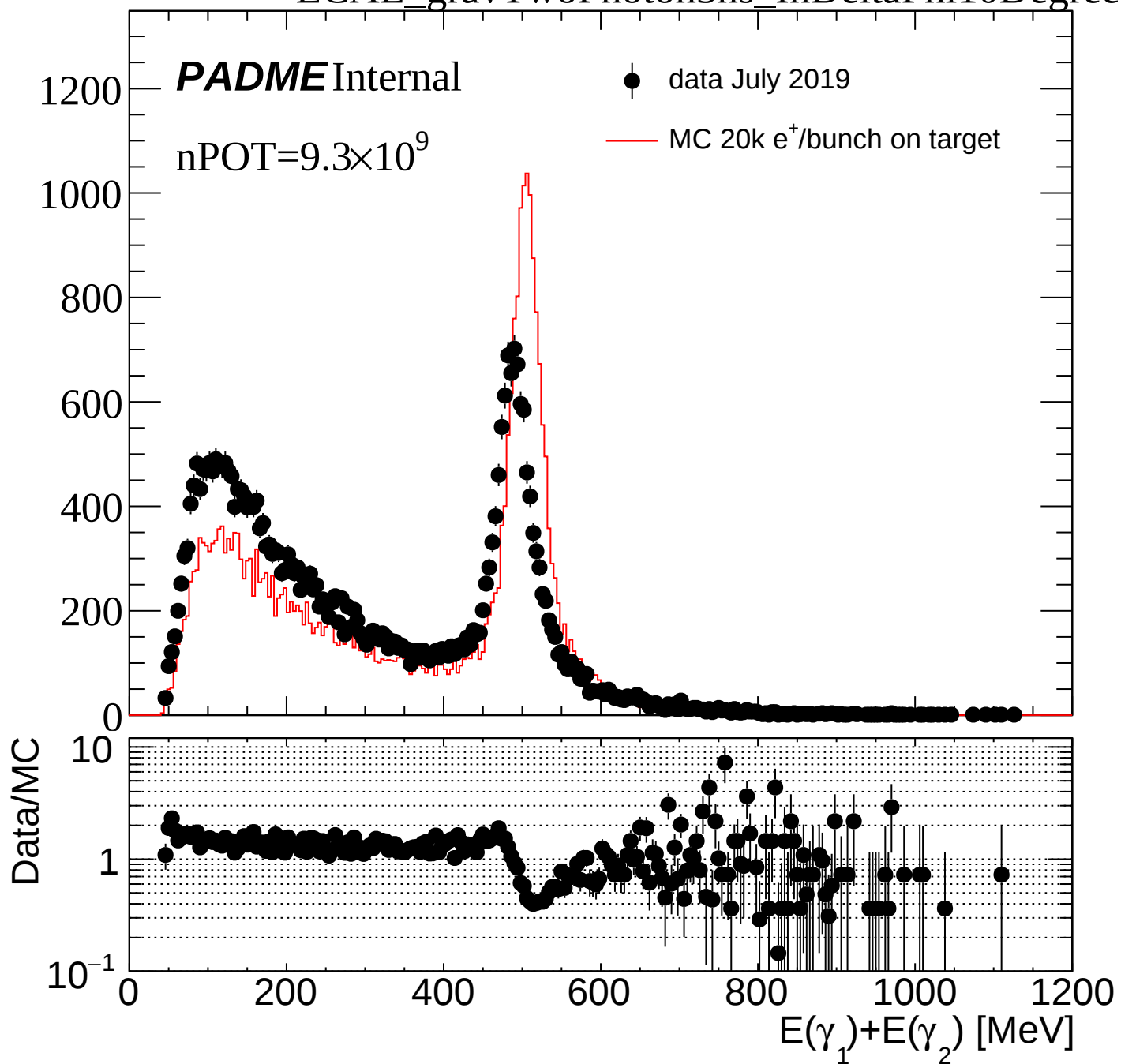


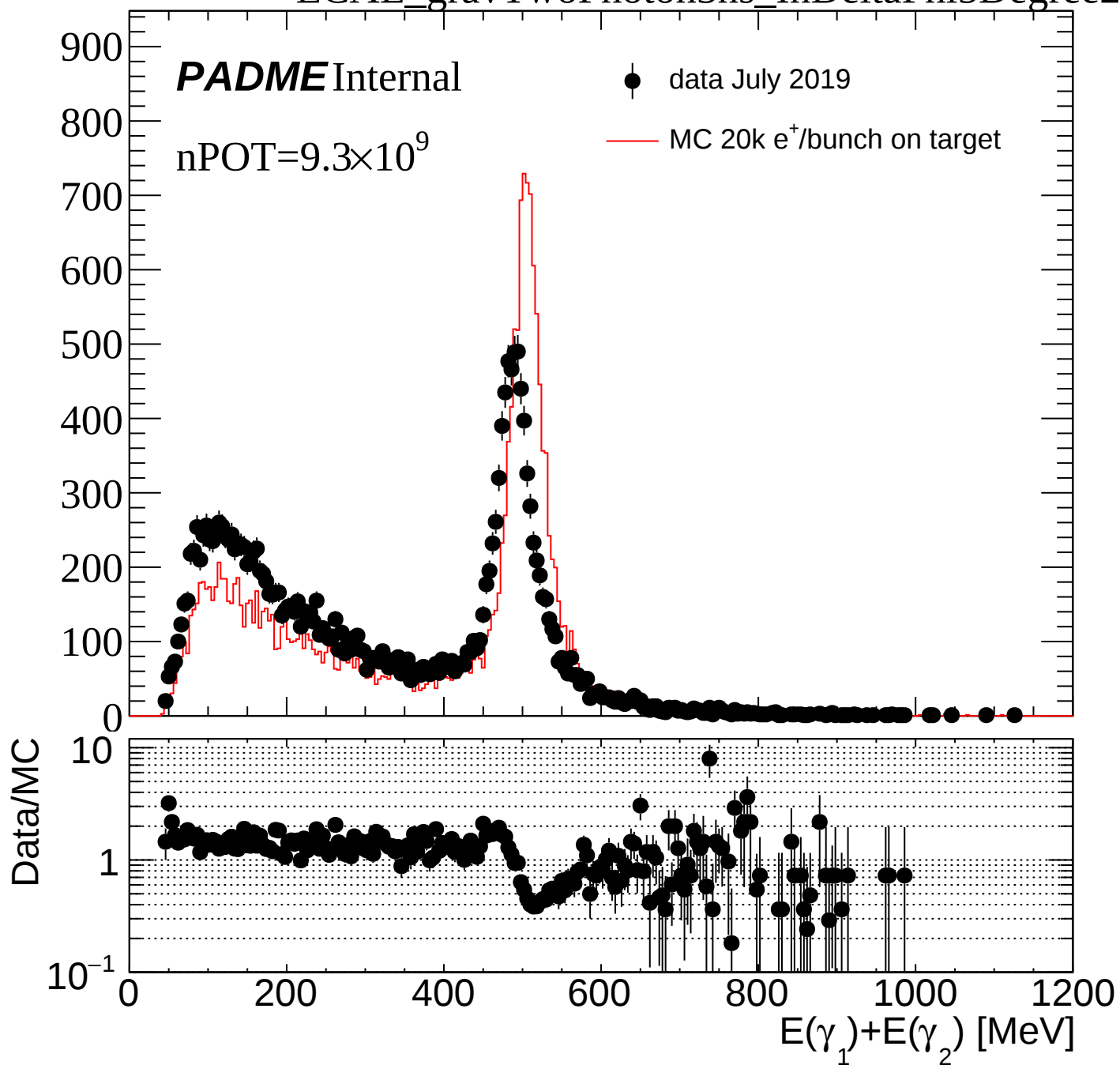


ECAL_gravTwoPhoton3ns_InDeltaPhi5Degree2M

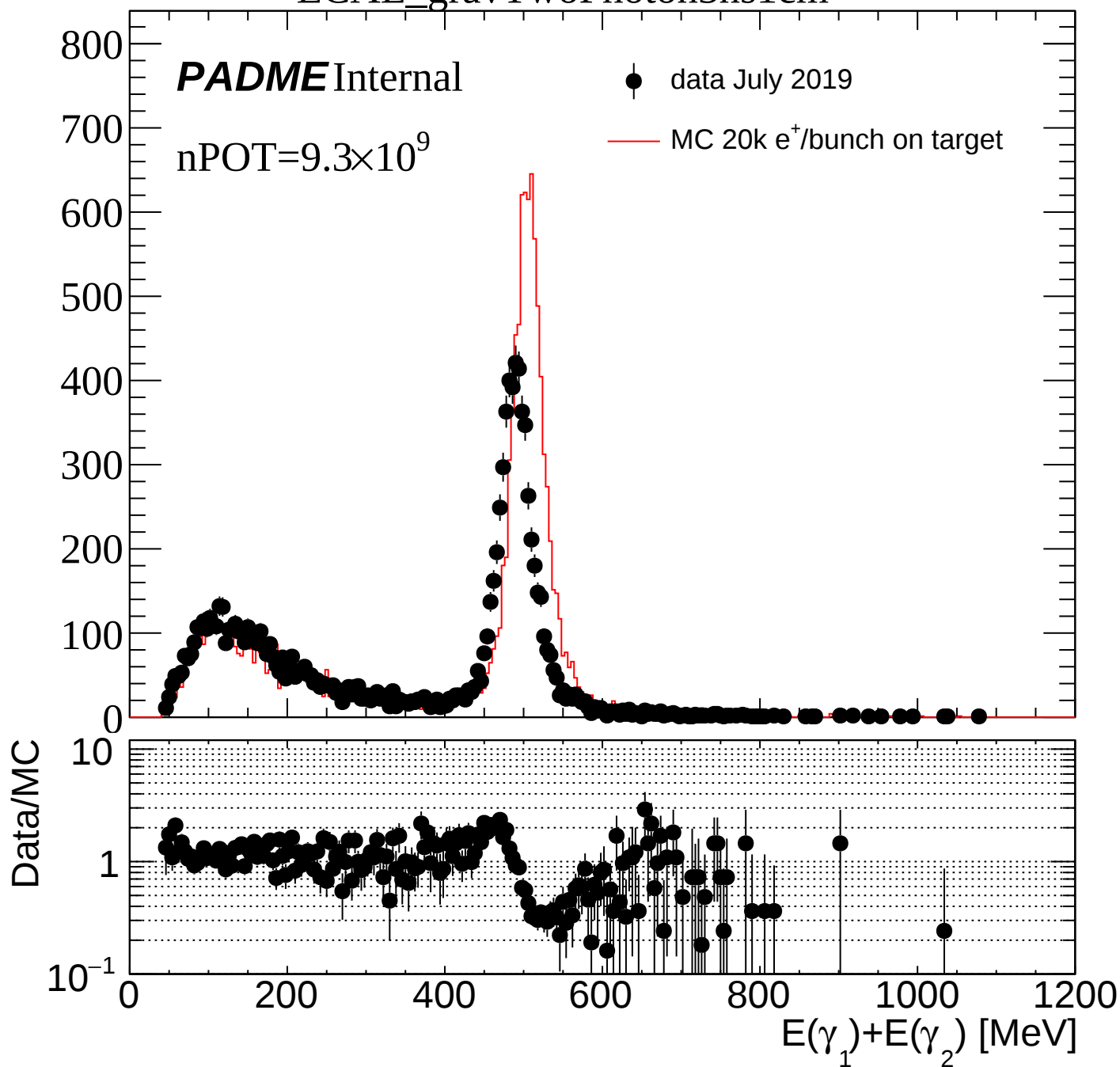




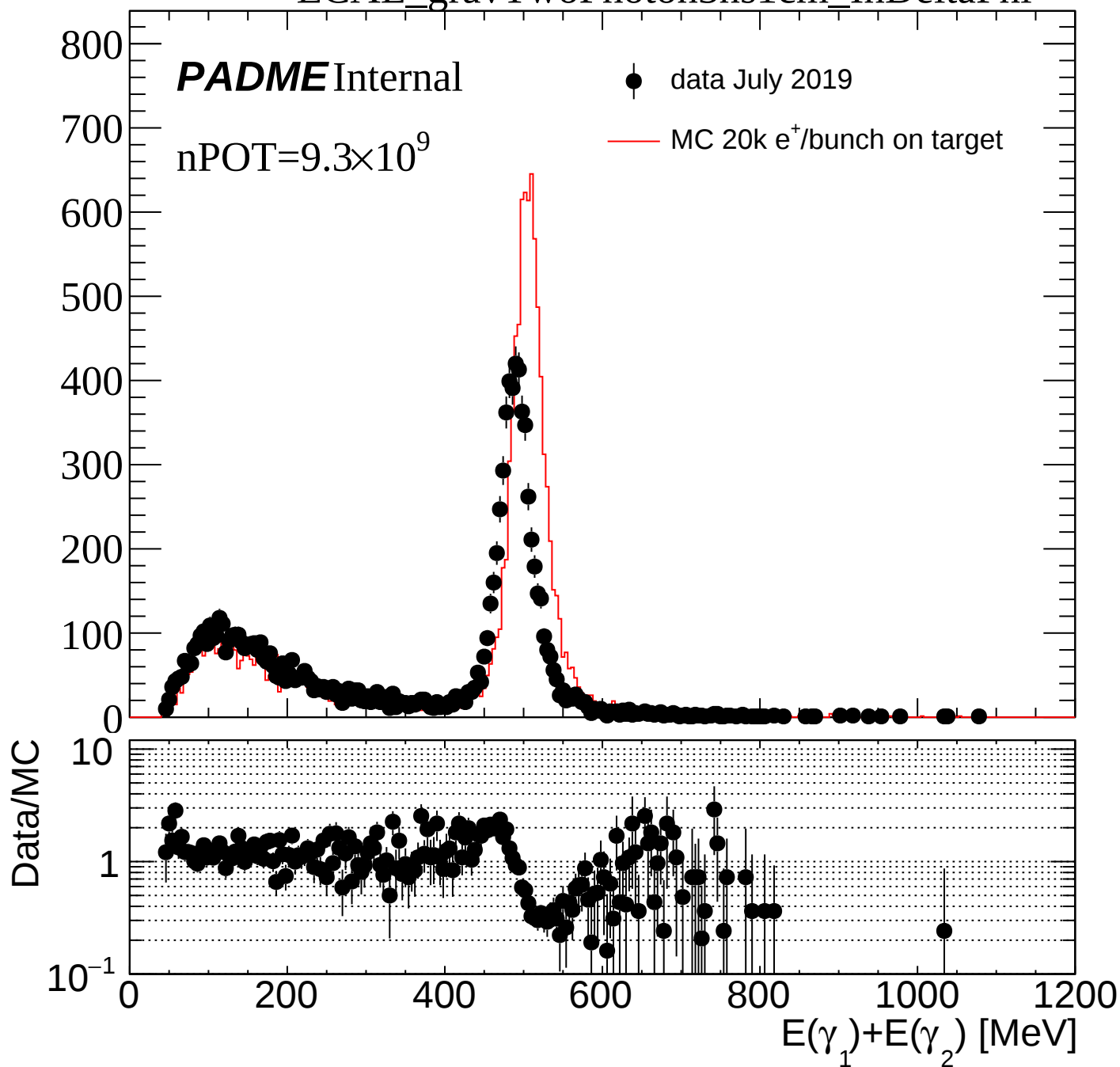




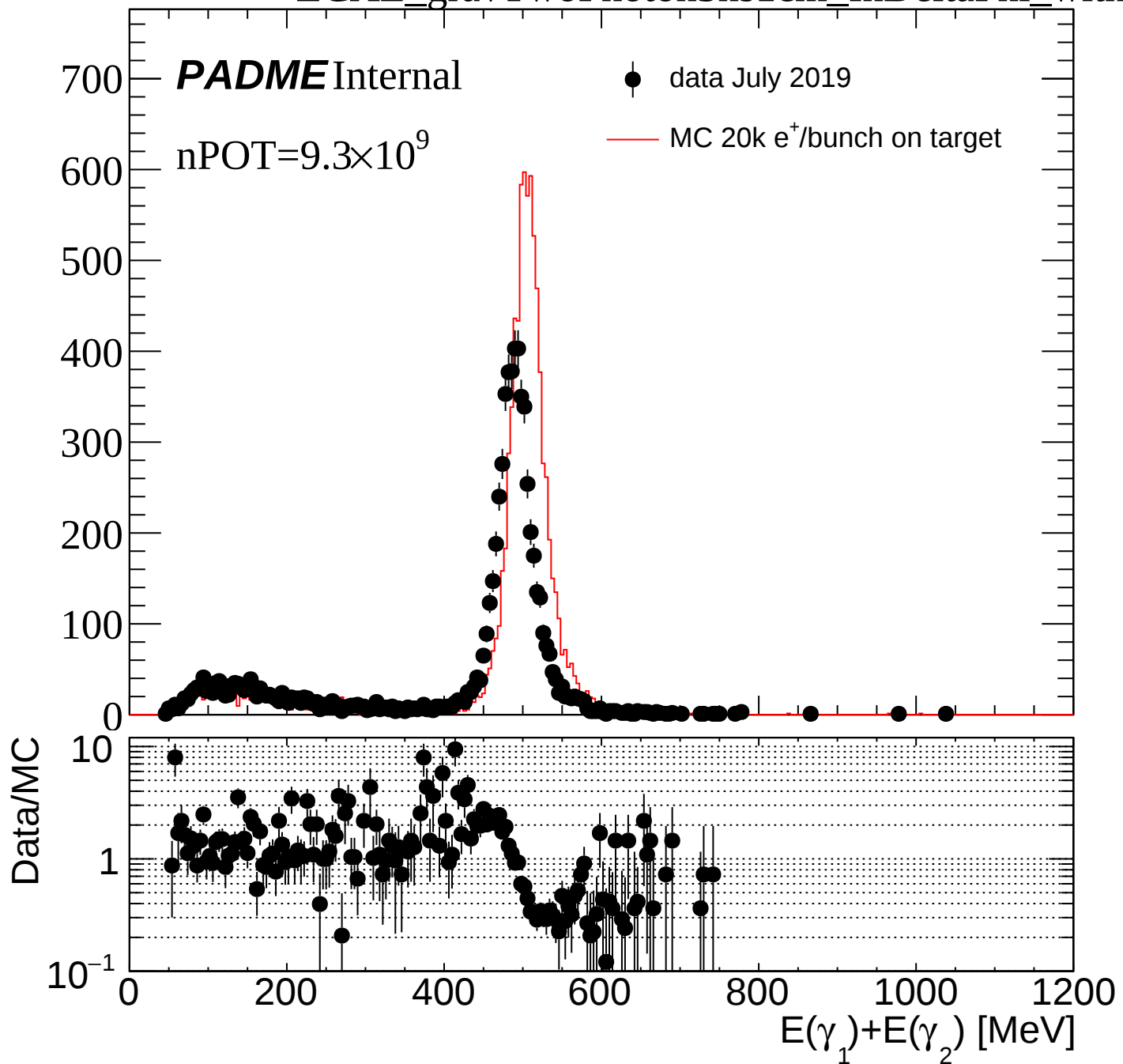
ECAL_gravTwoPhoton3ns1cm



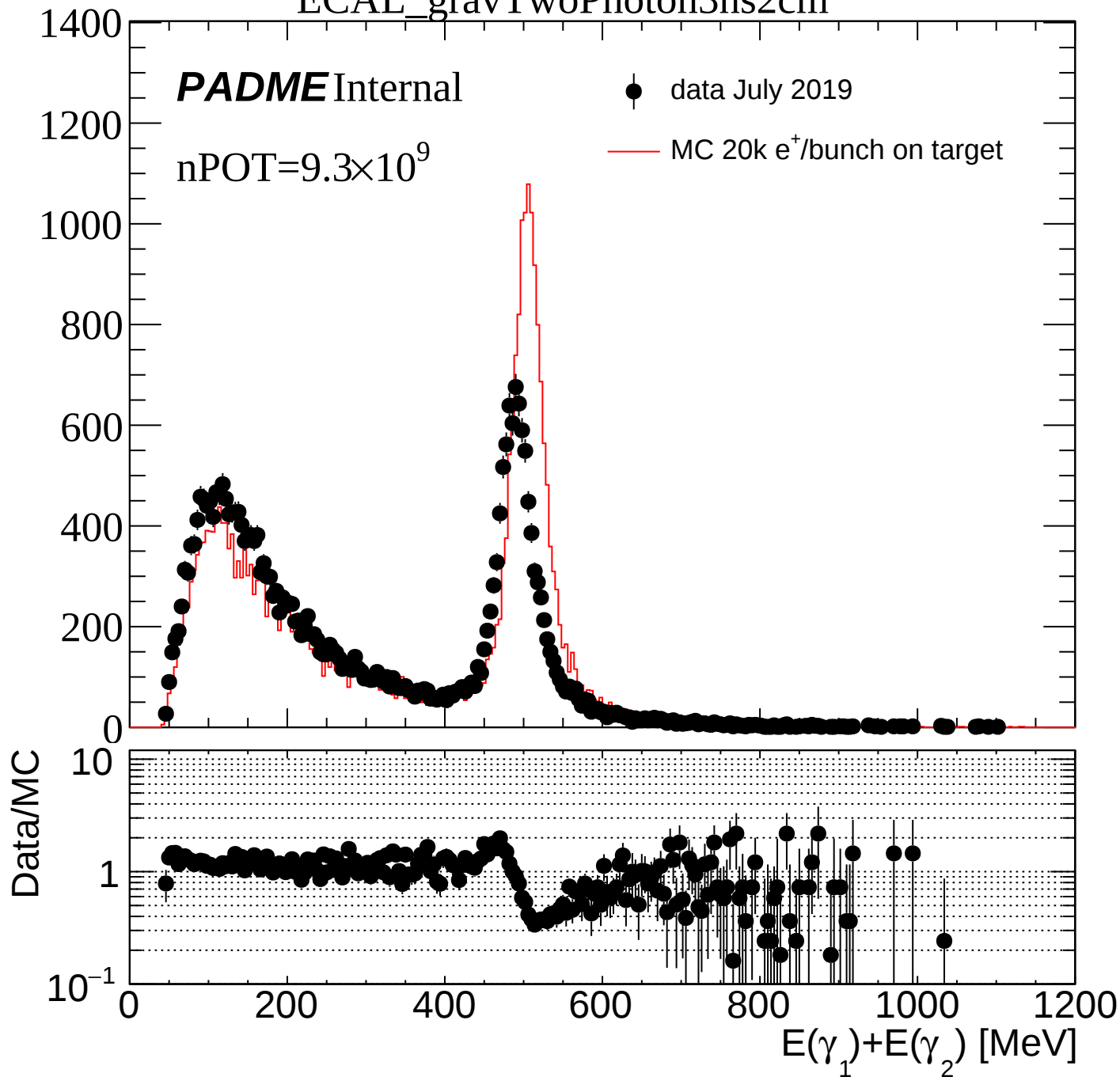
ECAL_gravTwoPhoton3ns1cm_InDeltaPhi



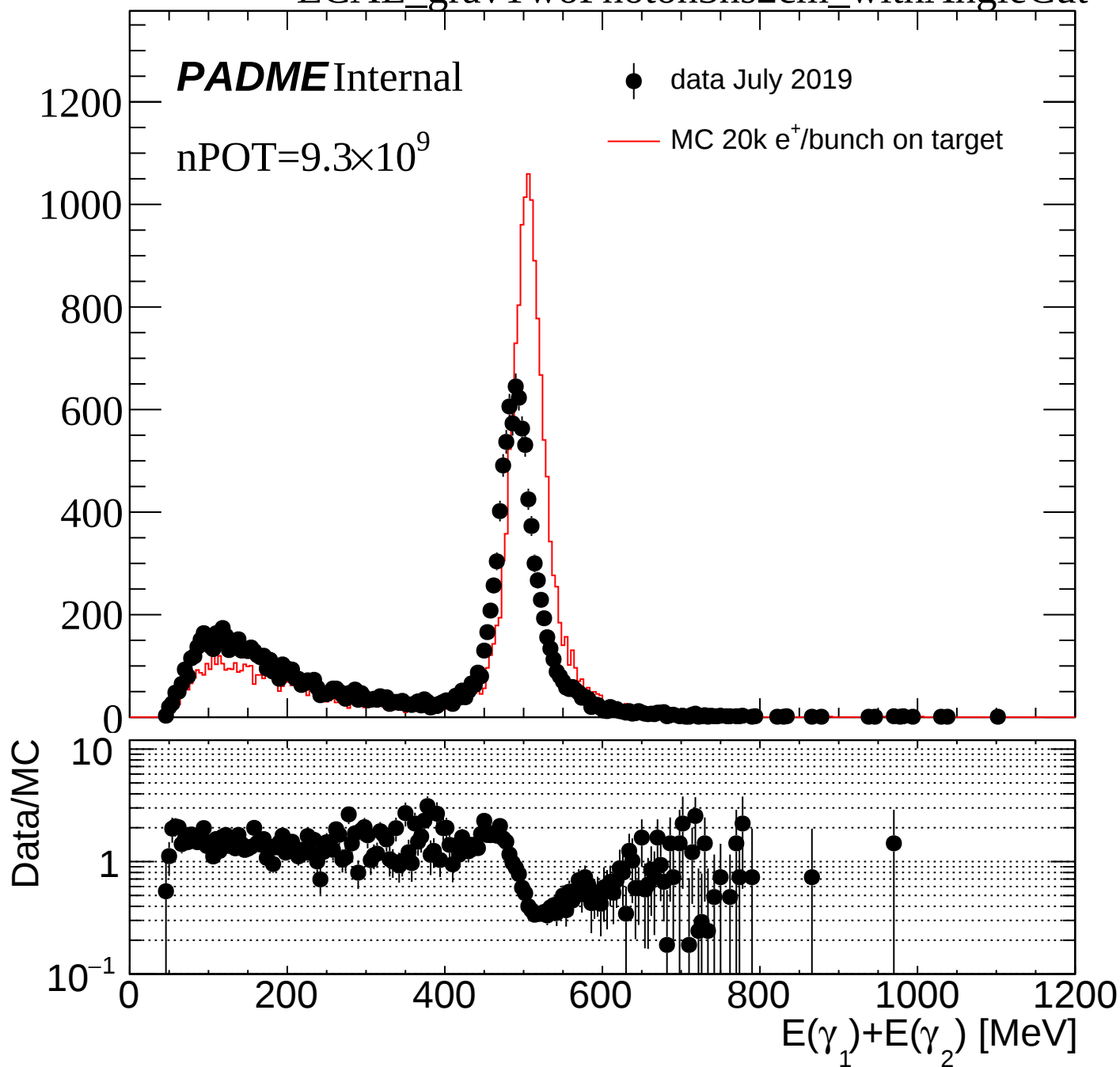
ECAL_gravTwoPhoton3ns1cm_InDeltaPhi_with



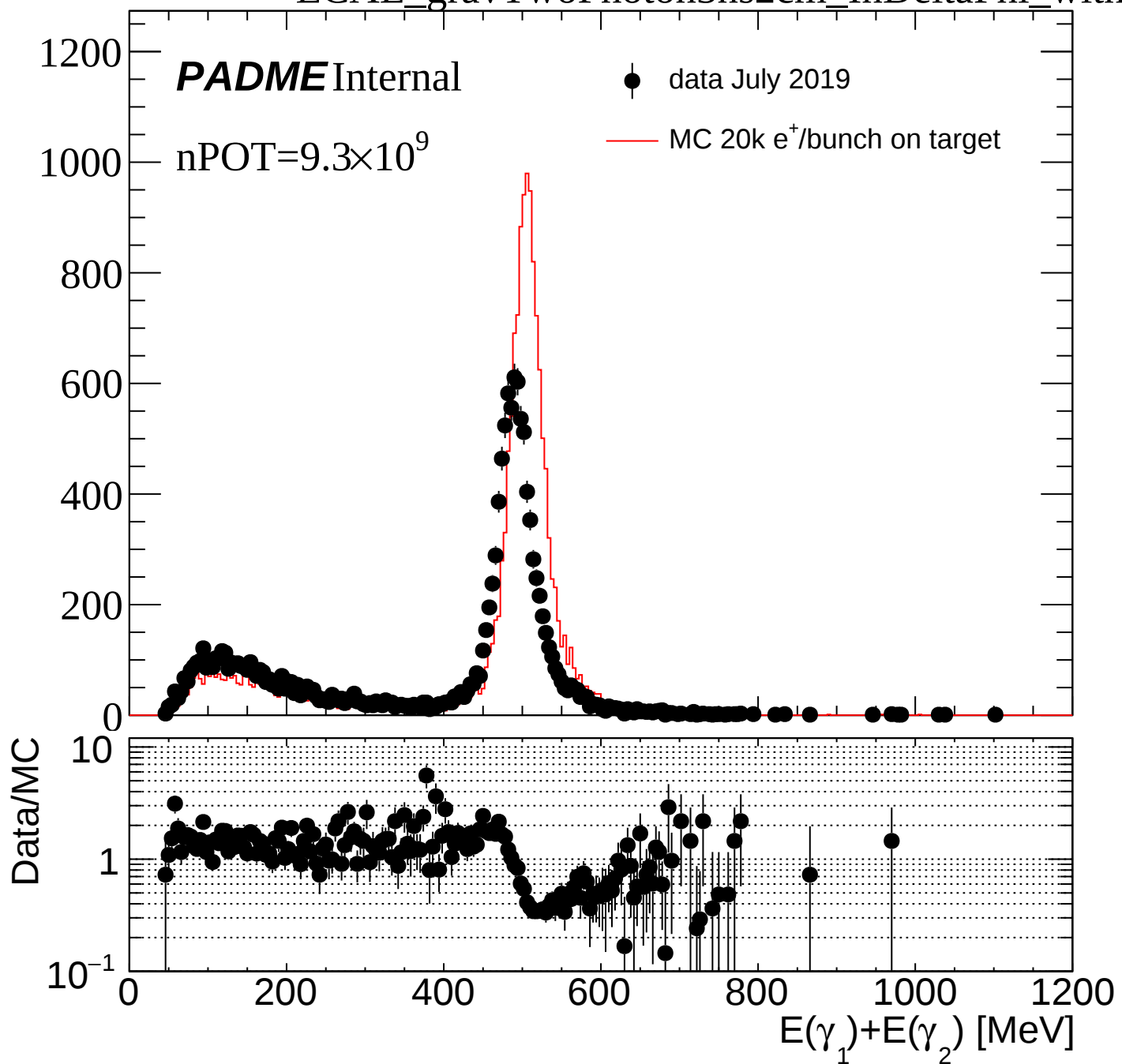
ECAL_gravTwoPhoton3ns2cm



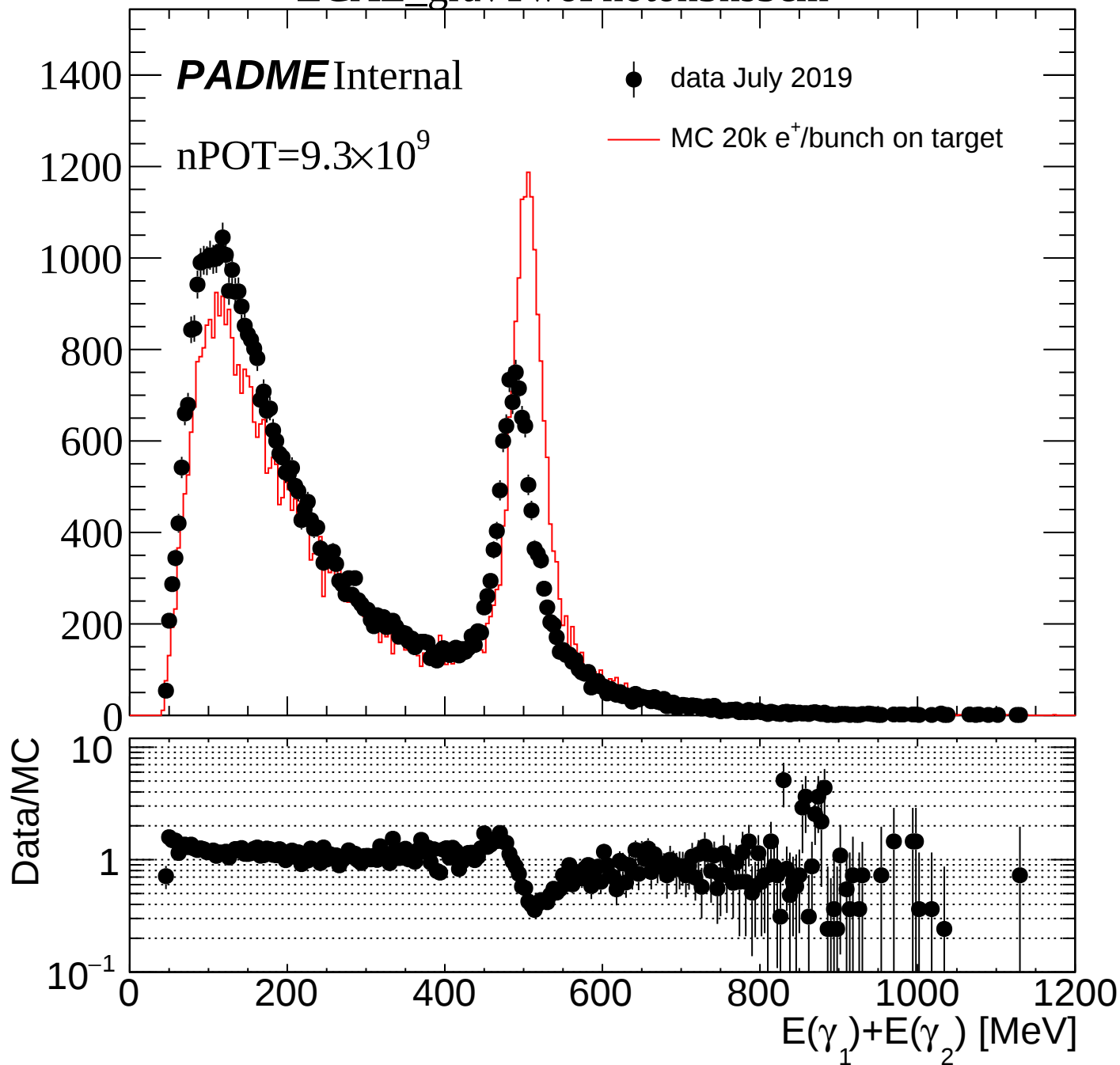
ECAL_gravTwoPhoton3ns2cm_withAngleCut



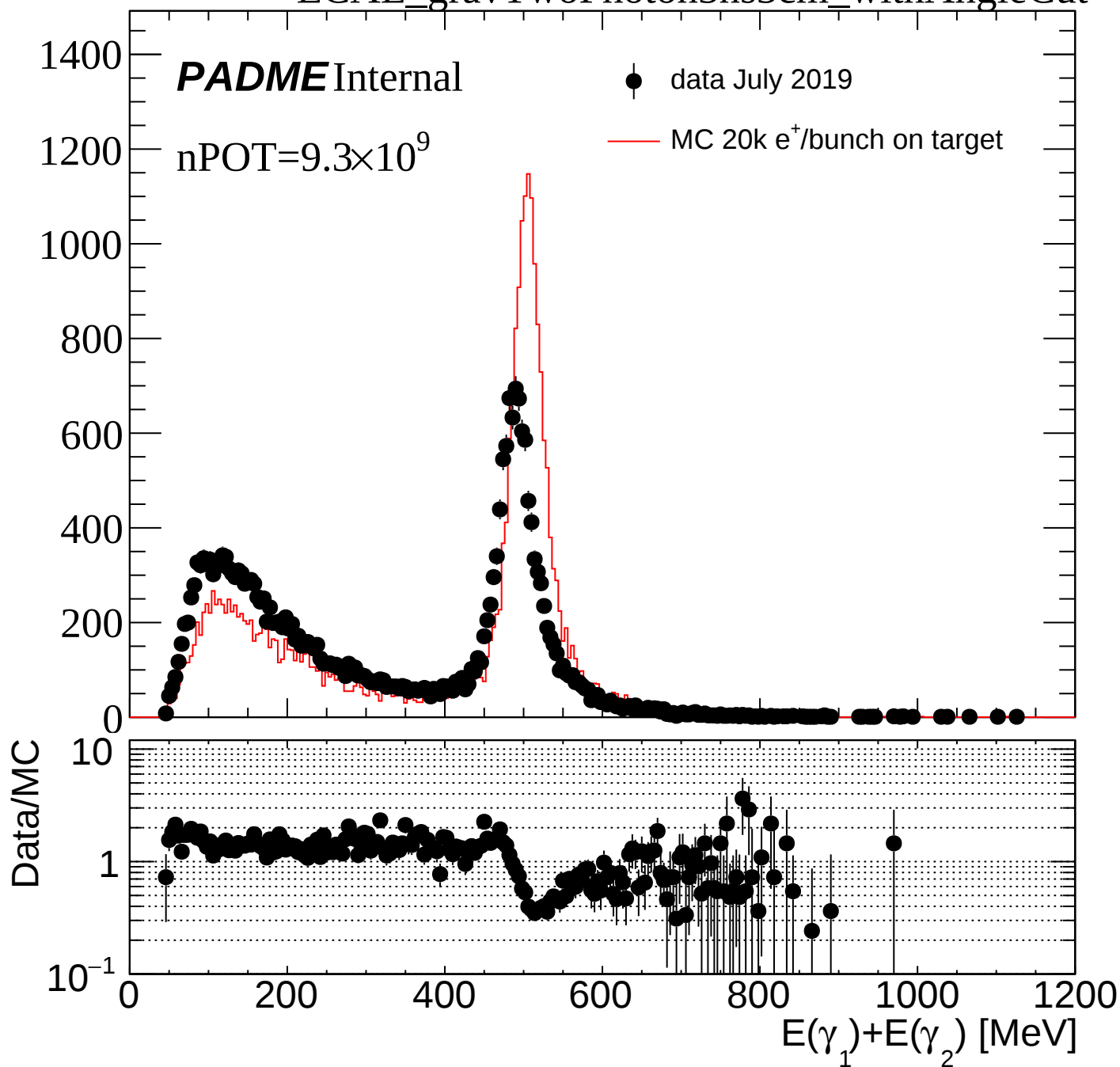
ECAL_gravTwoPhoton3ns2cm_InDeltaPhi_with



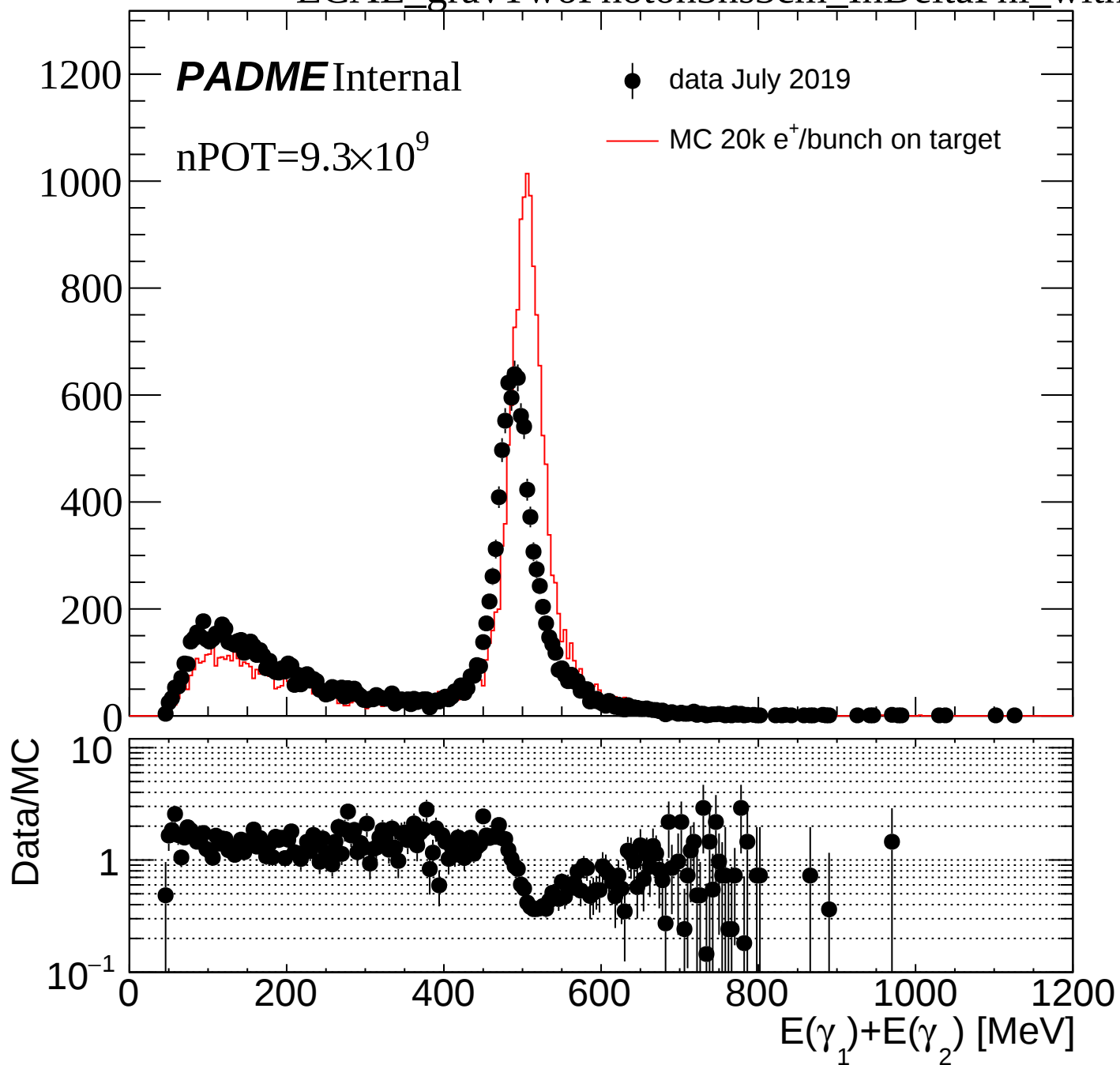
ECAL_gravTwoPhoton3ns3cm



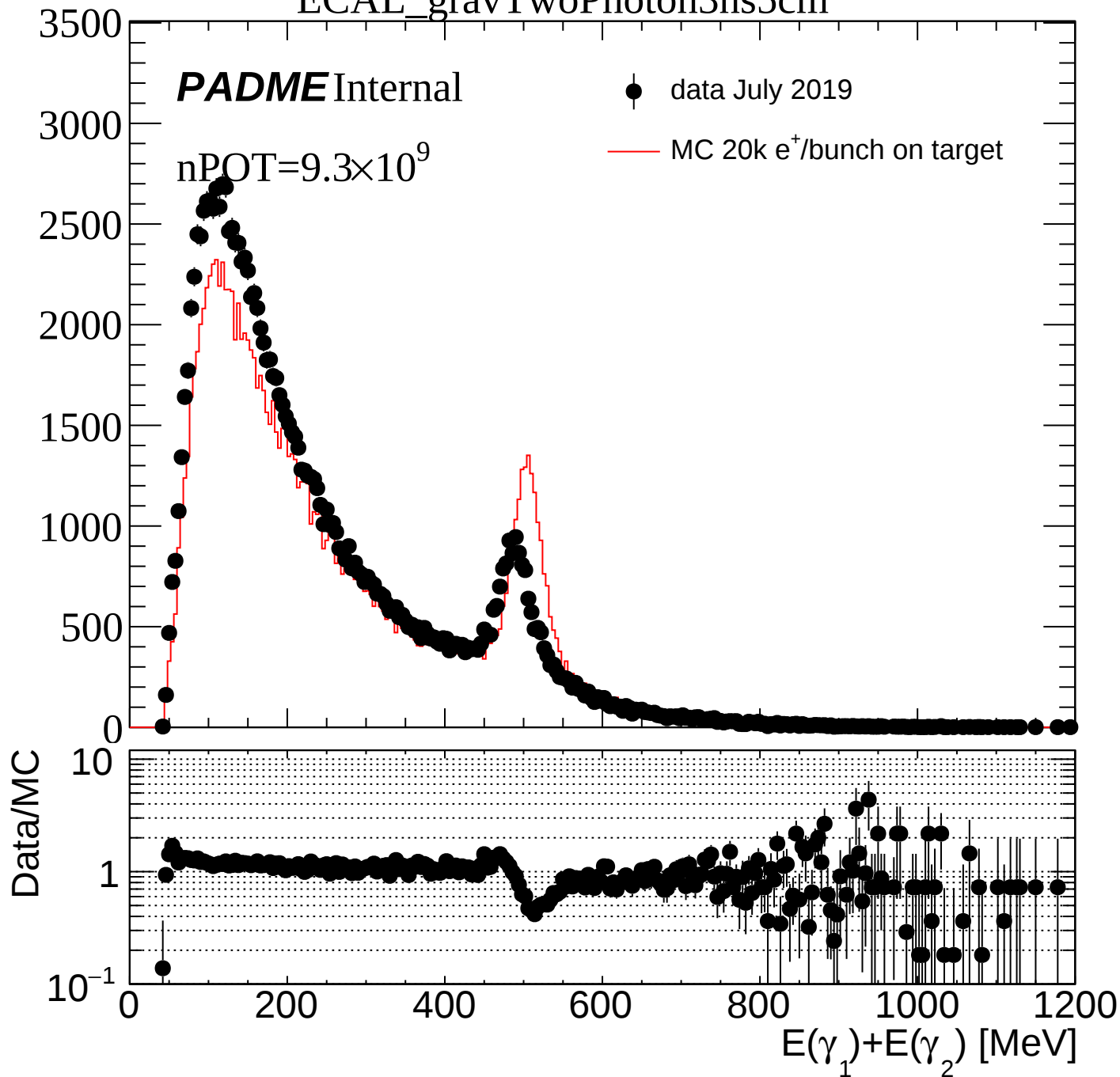
ECAL_gravTwoPhoton3ns3cm_withAngleCut



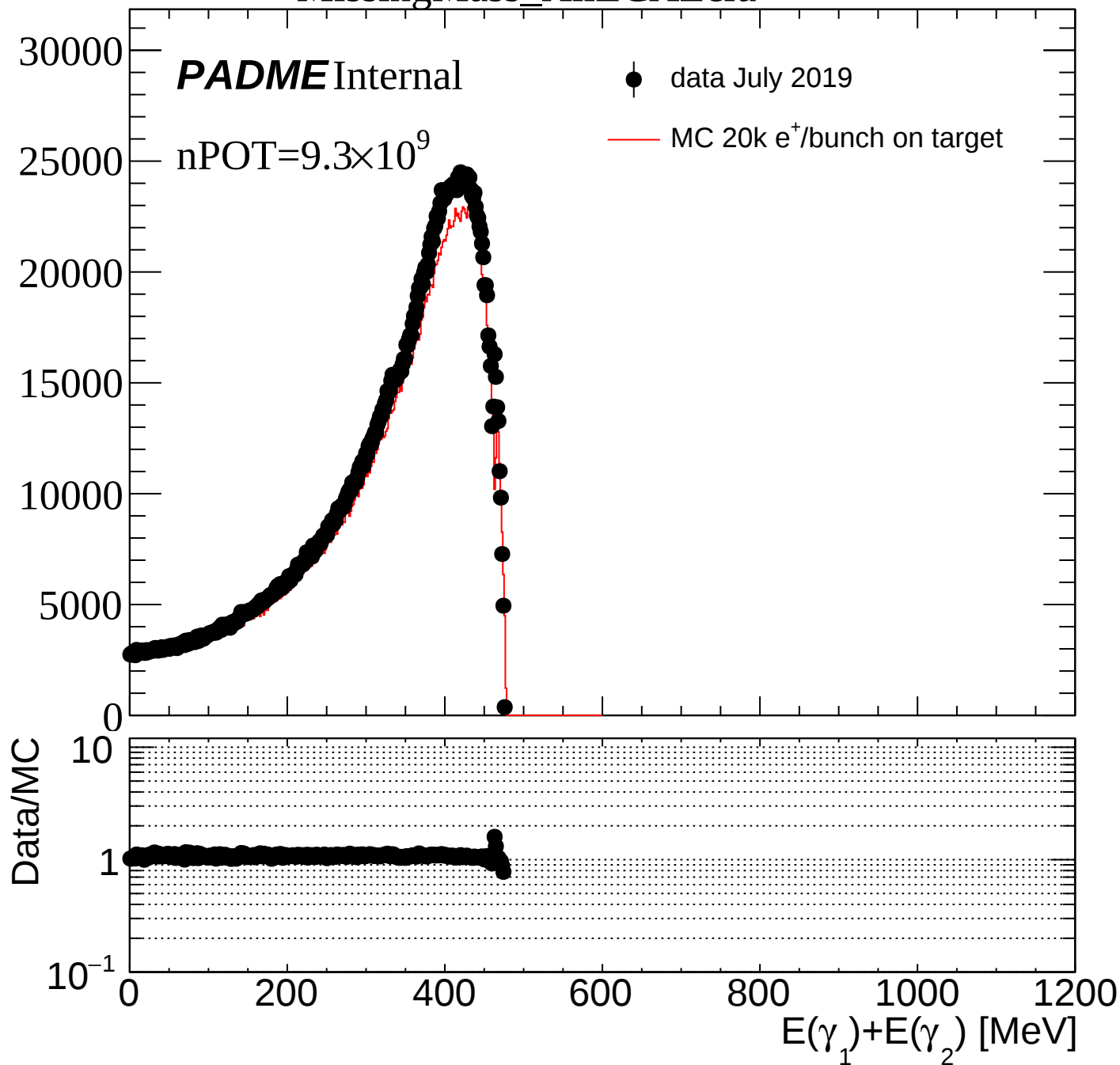
ECAL_gravTwoPhoton3ns3cm_InDeltaPhi_with



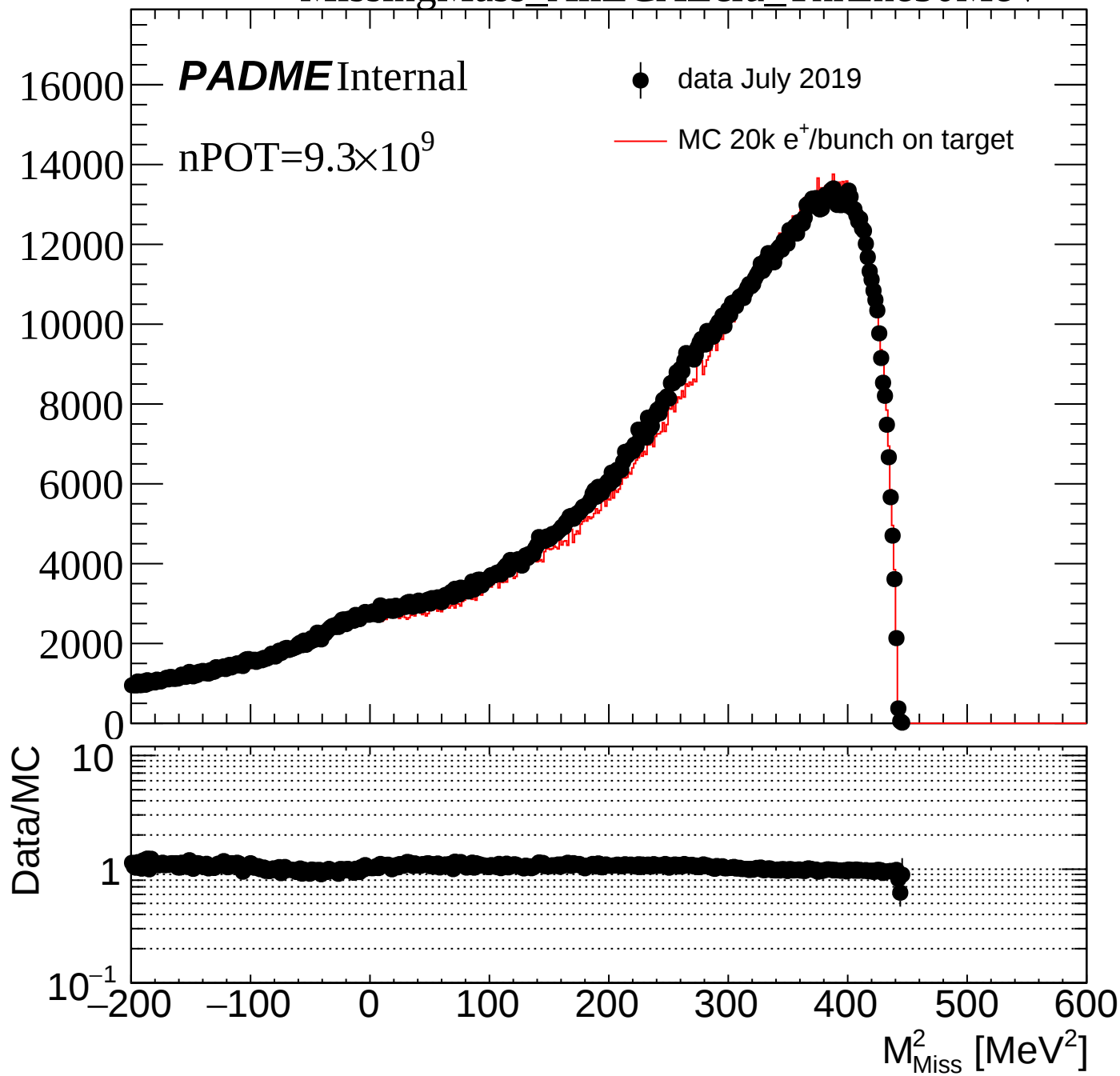
ECAL_gravTwoPhoton3ns5cm



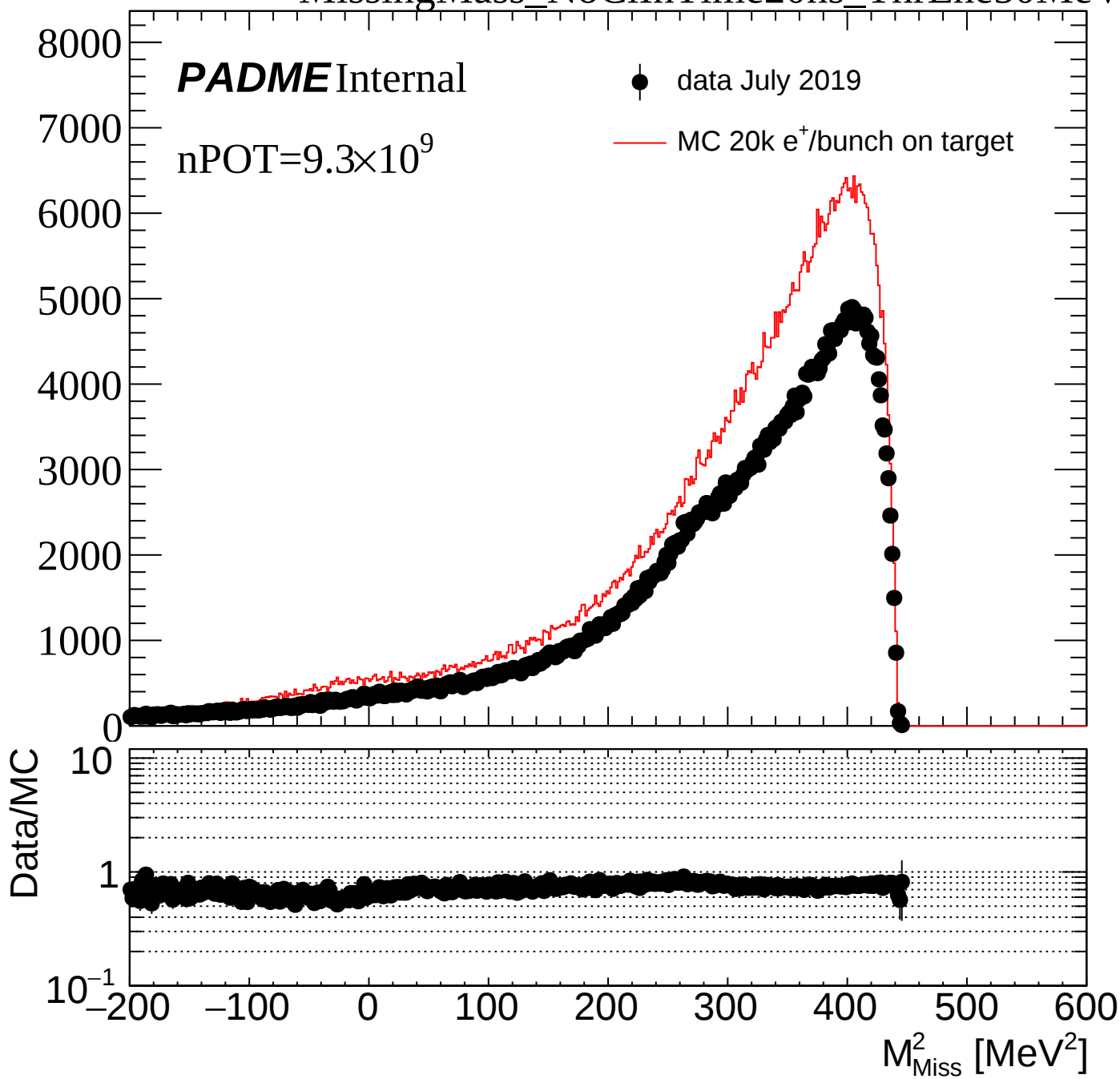
MissingMass_AllECALclu



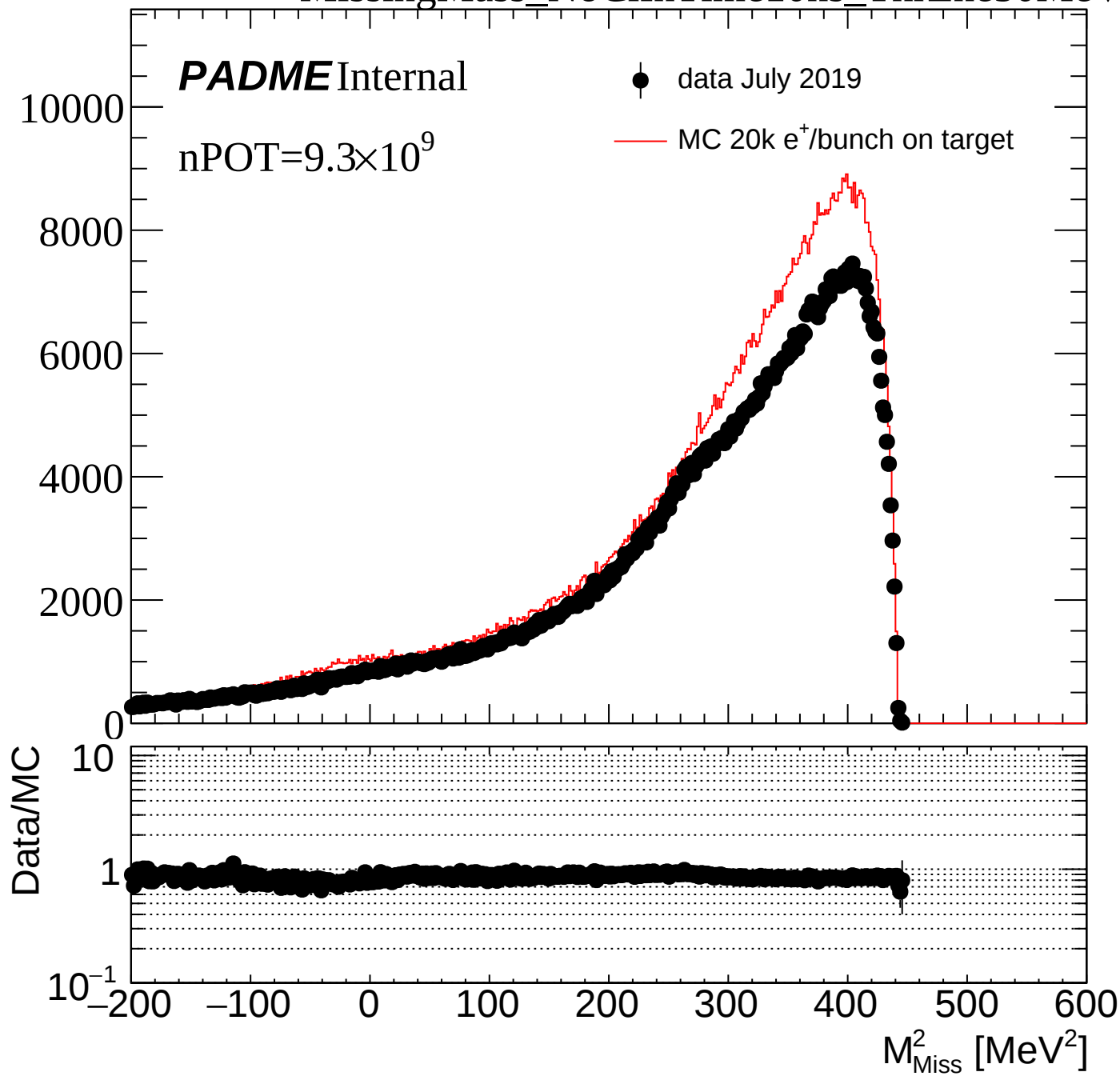
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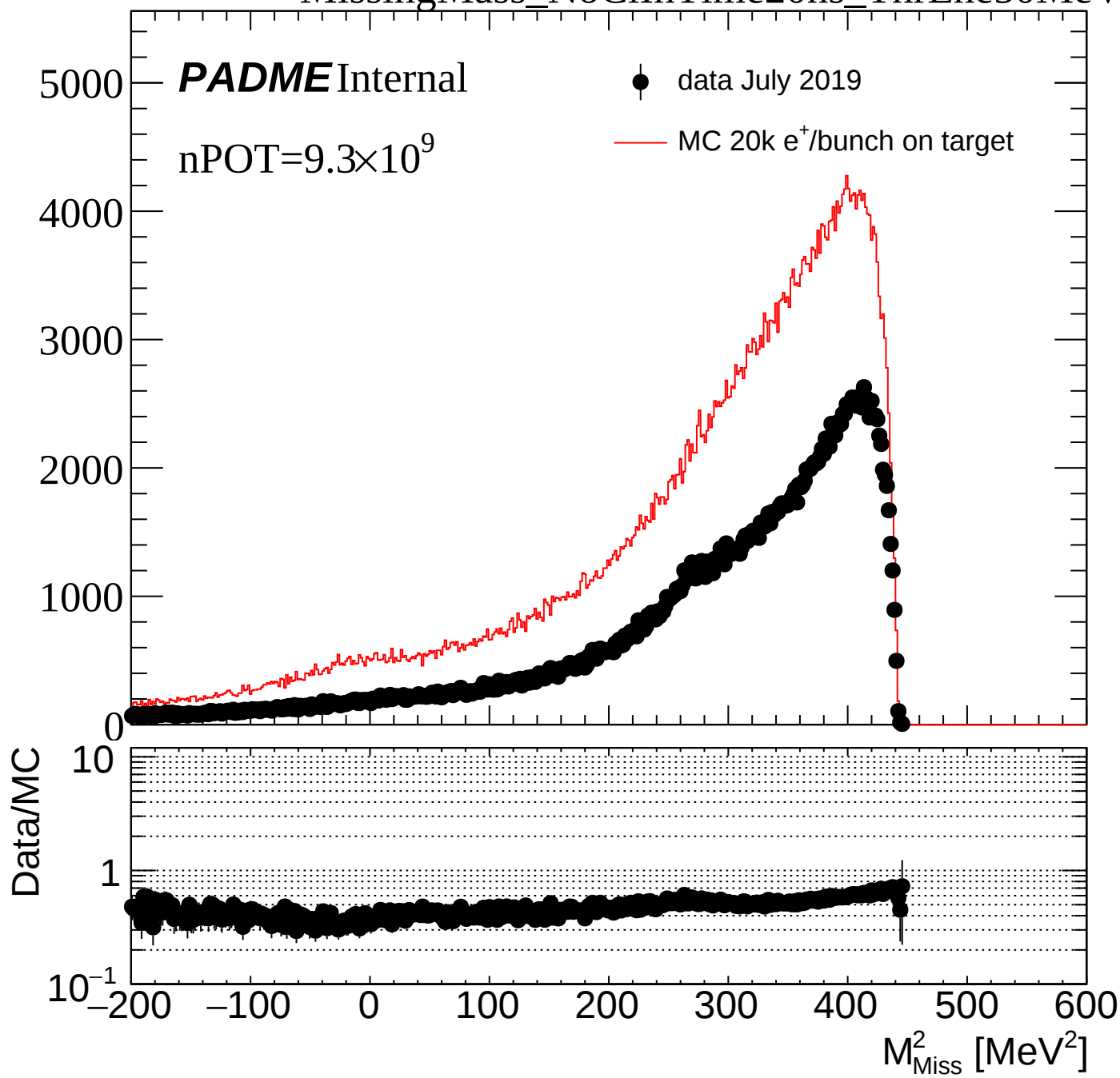


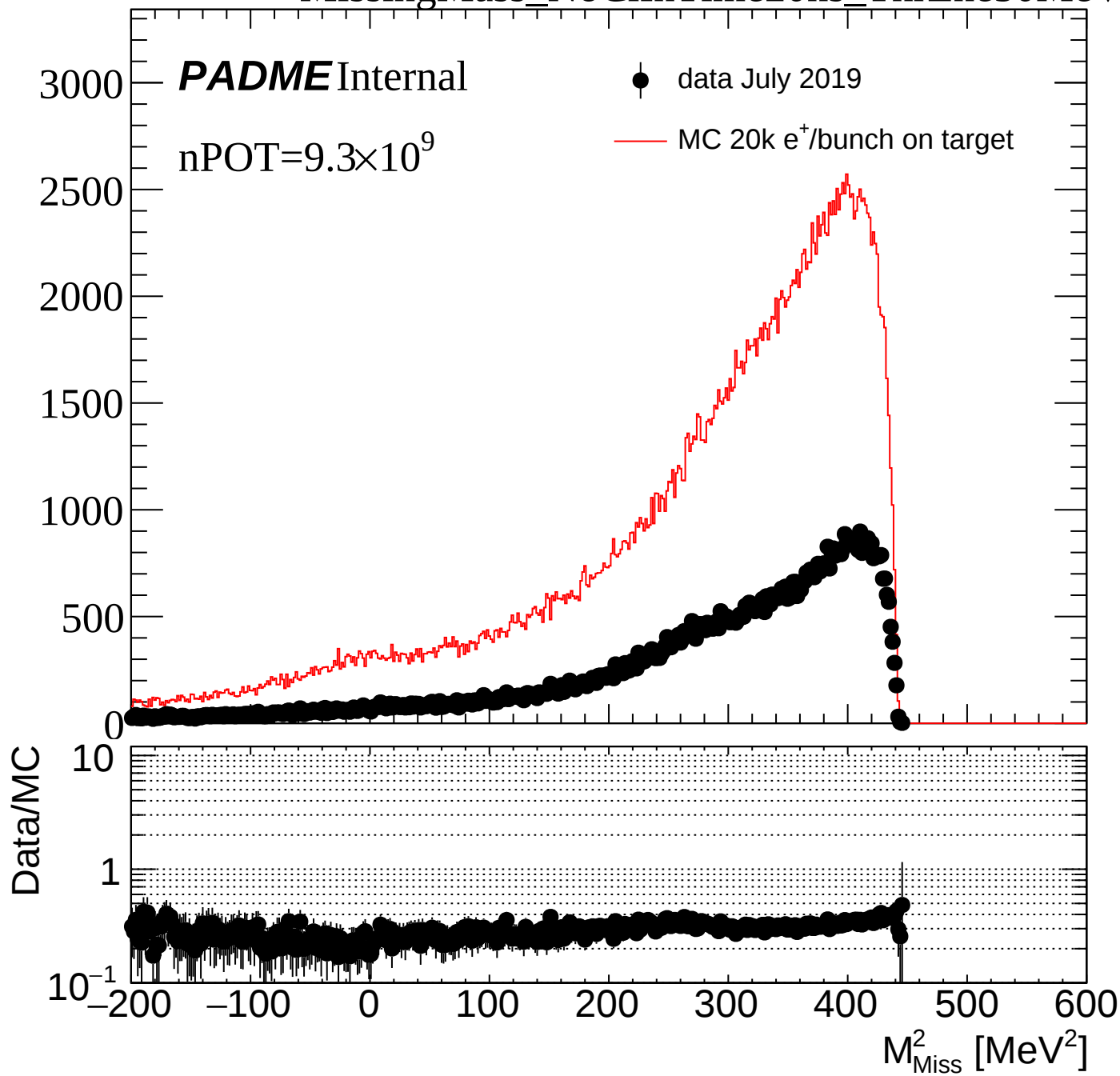
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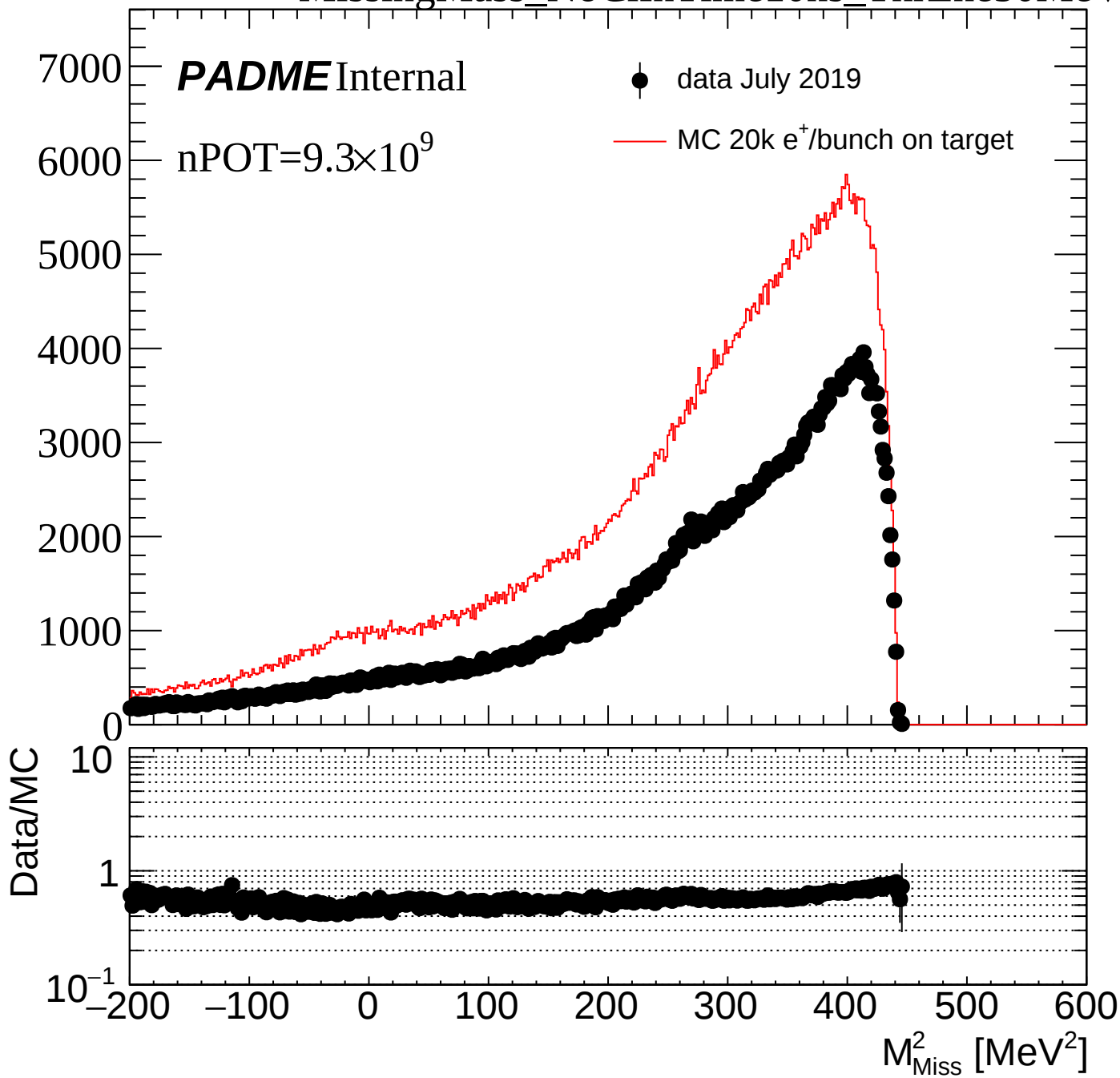


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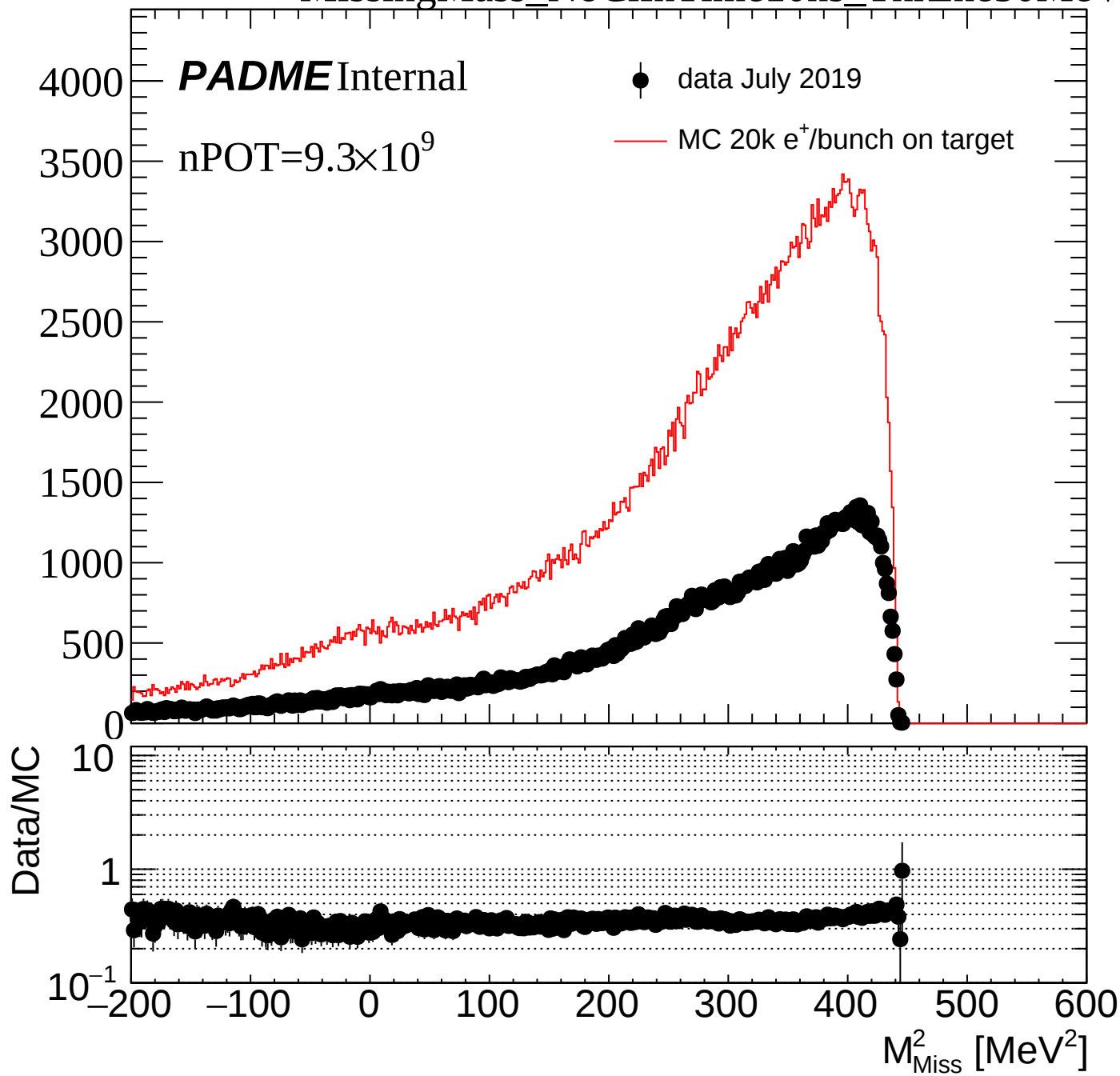




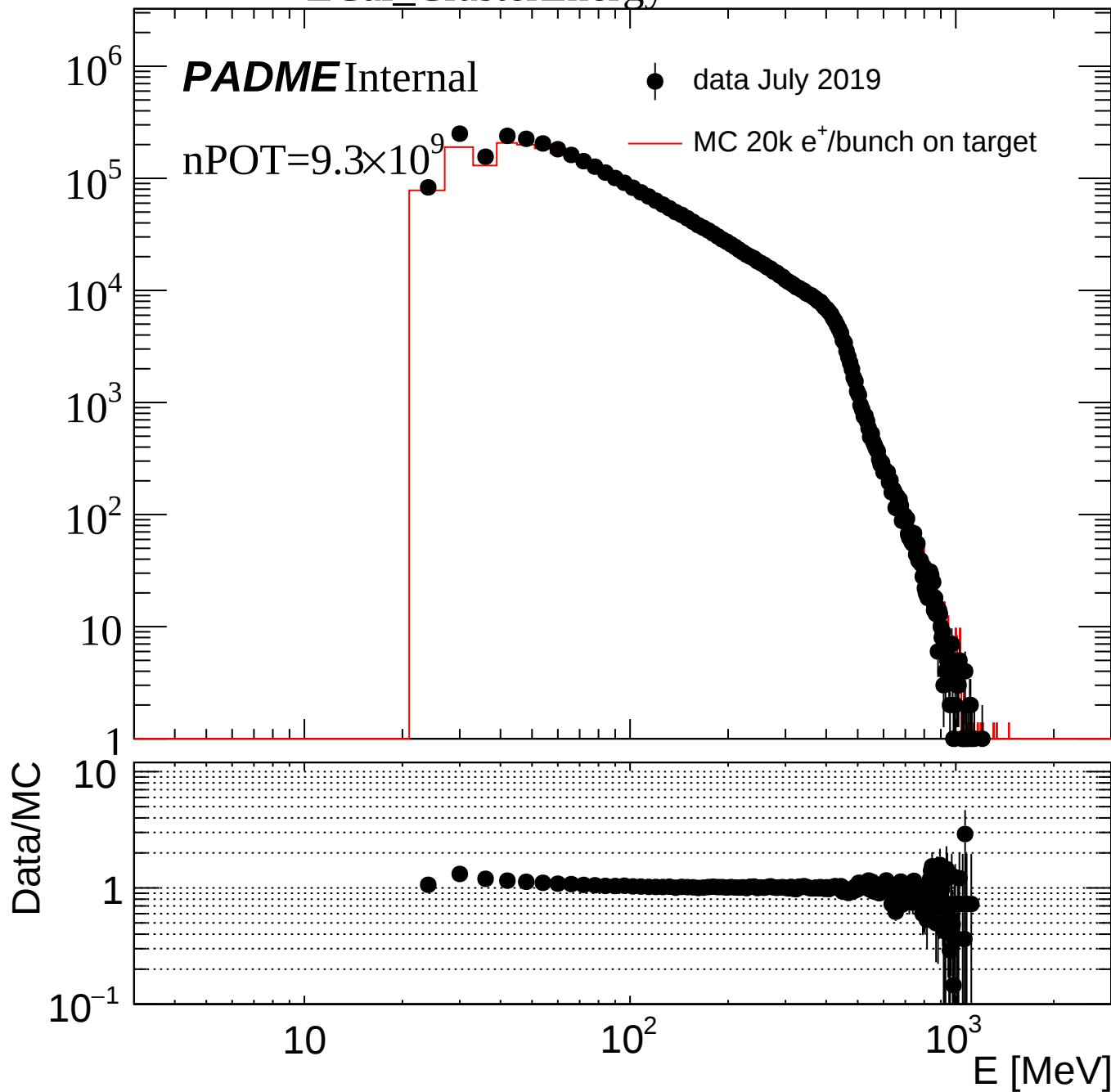




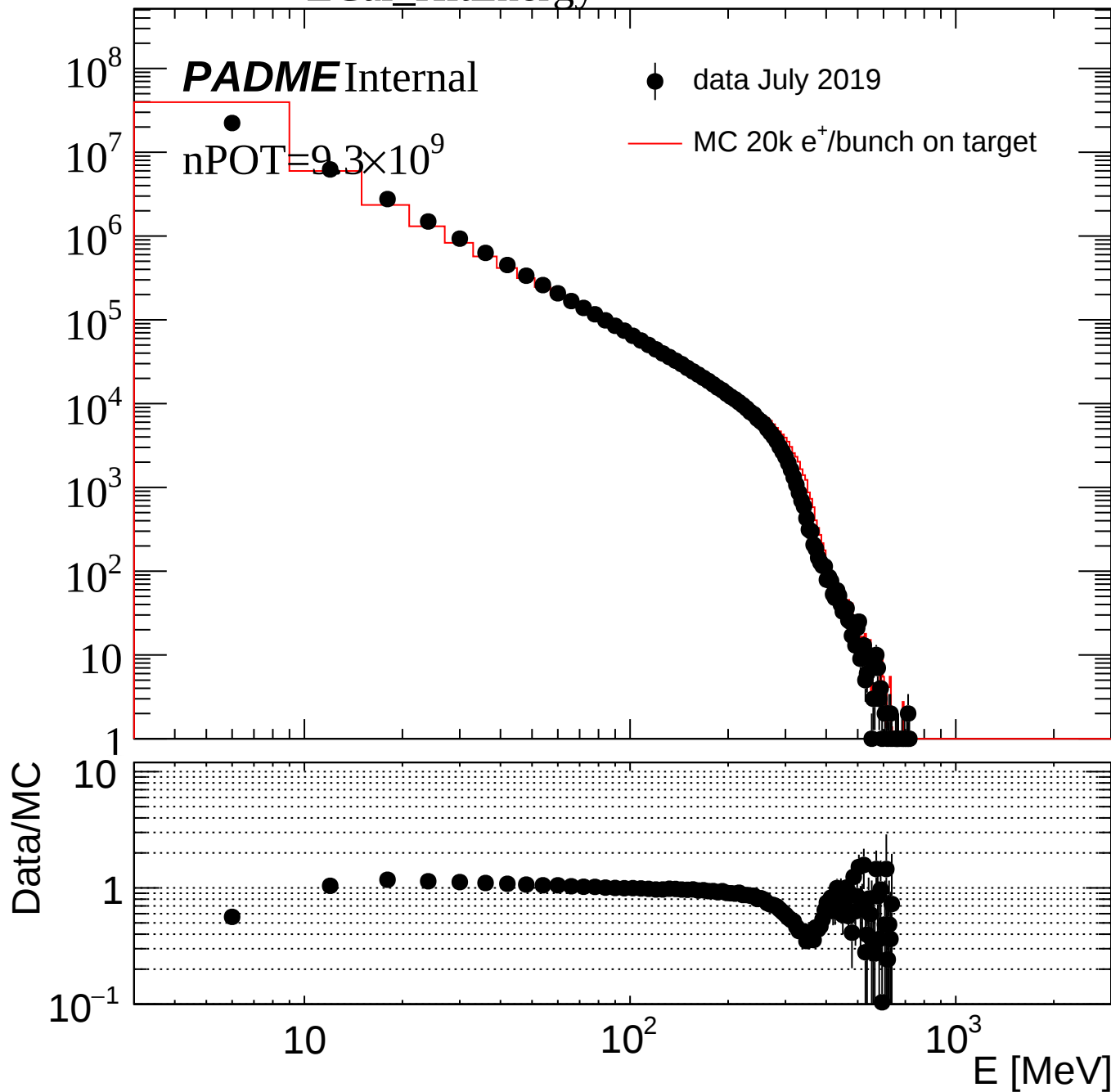
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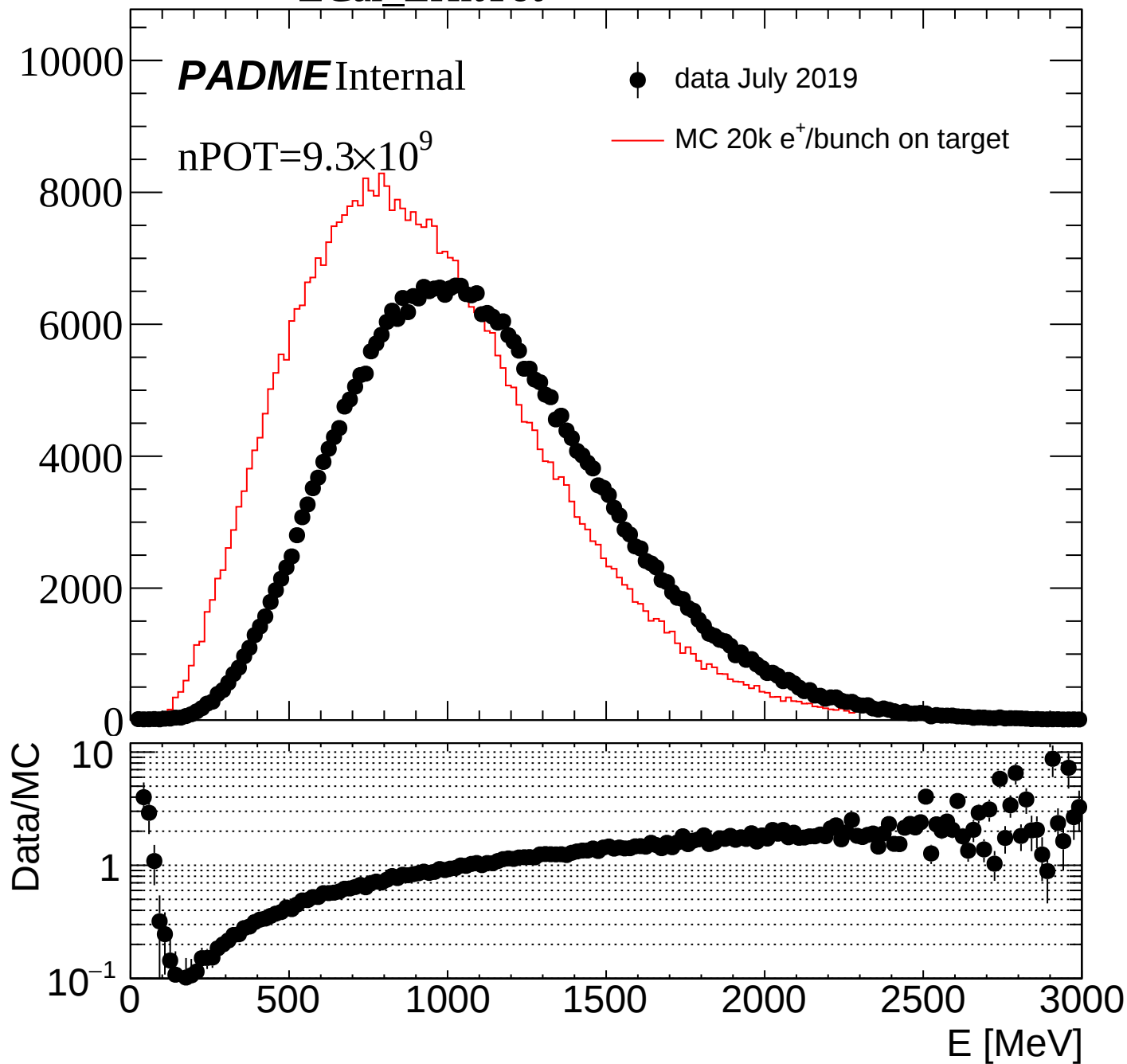
ECal_ClusterEnergy

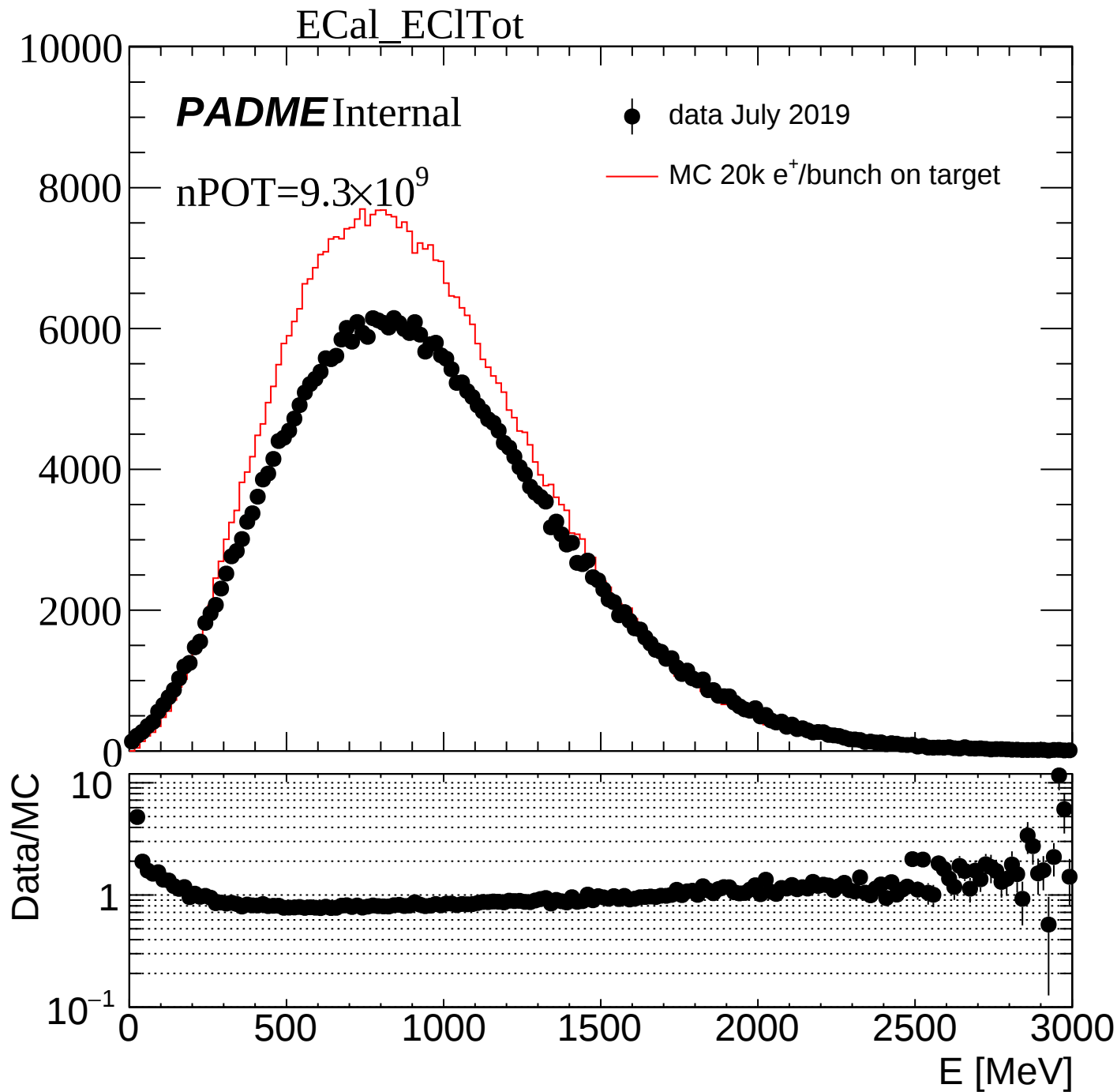


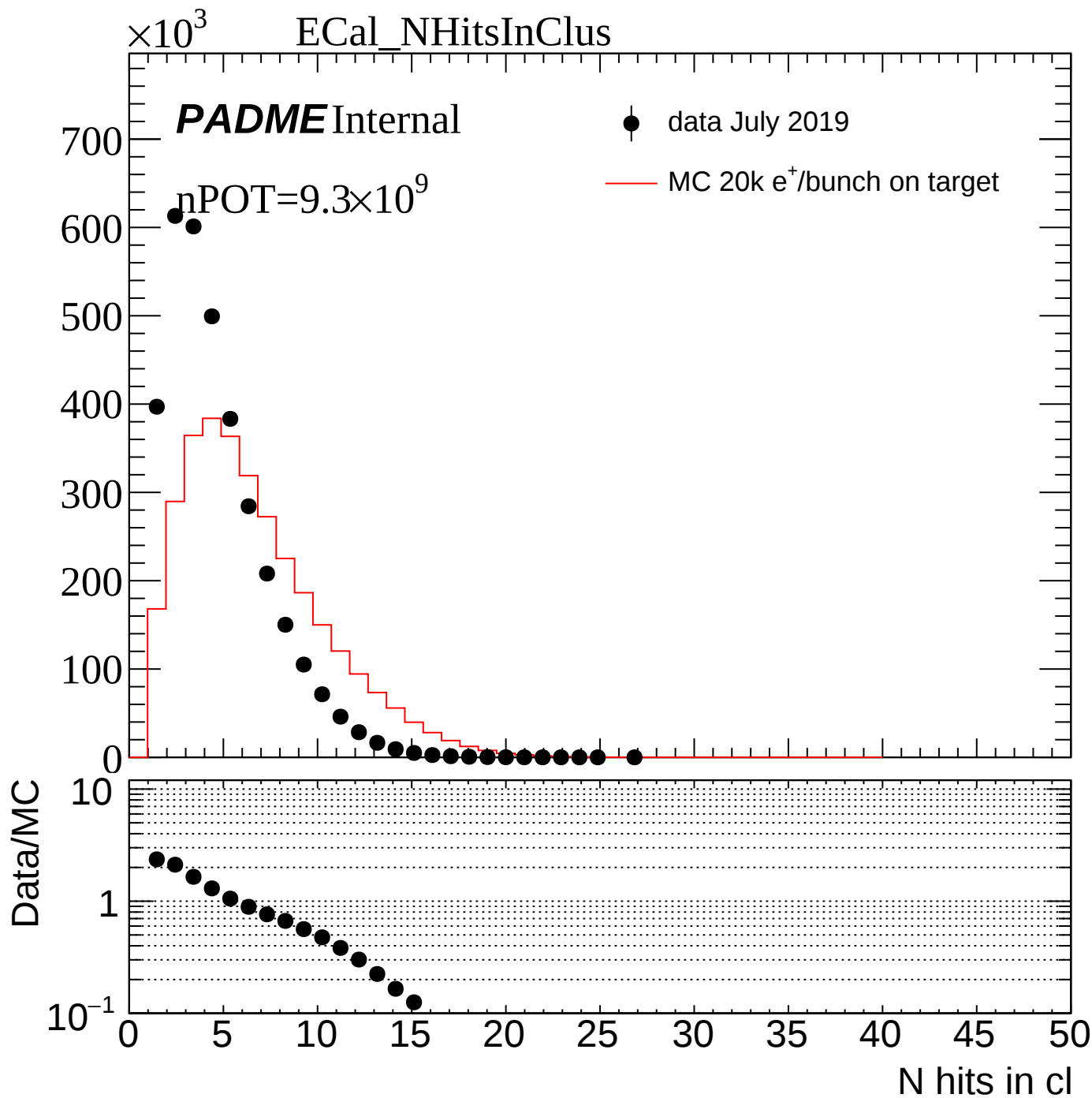
ECal_HitEnergy



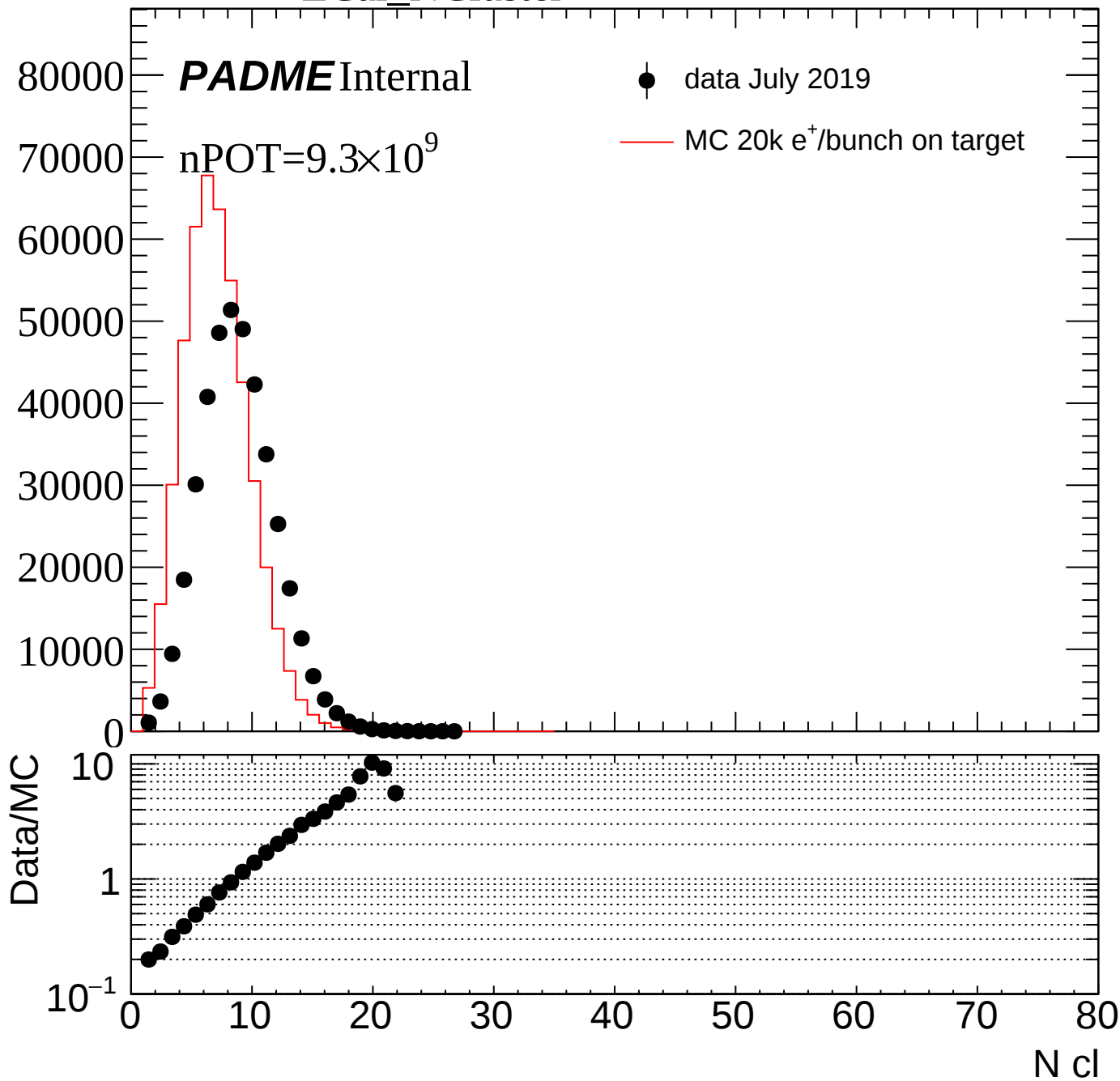
ECal_EHitTot







ECal_NCluster



ECal_NCluster

