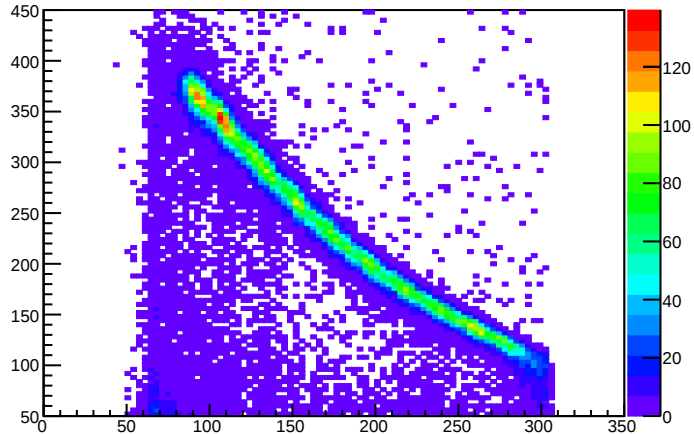
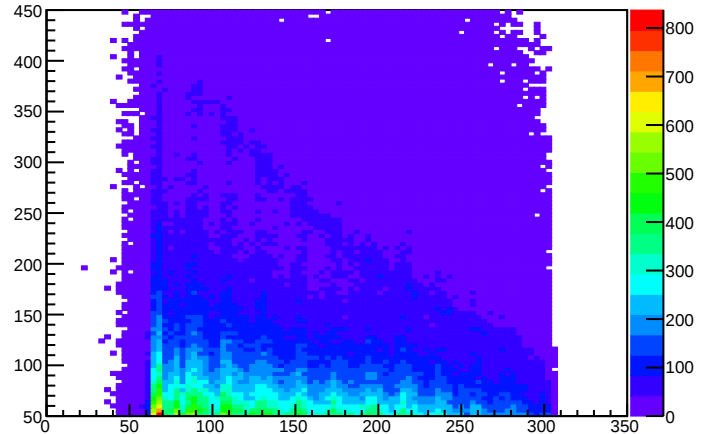


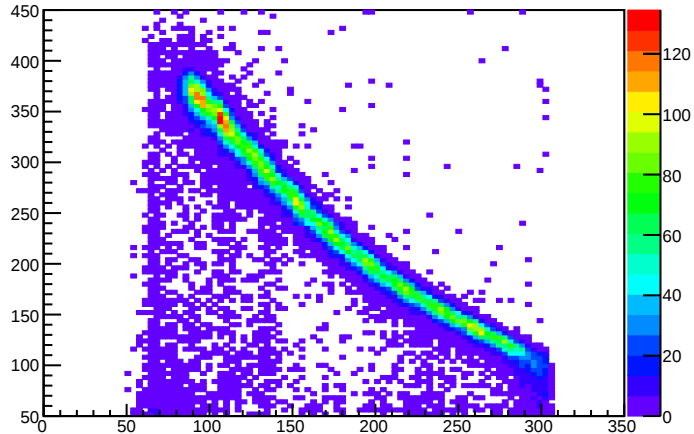
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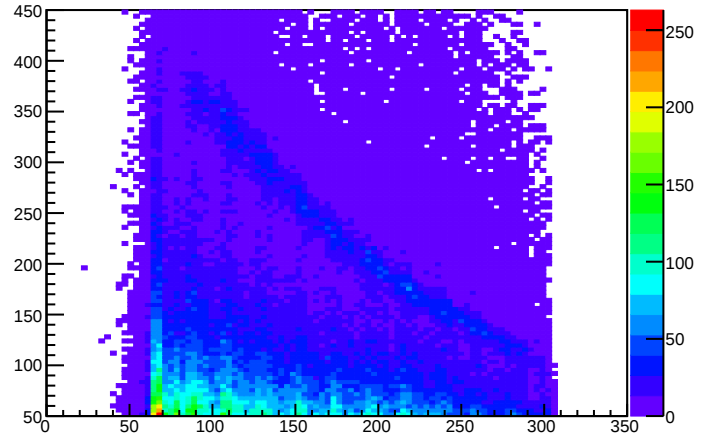
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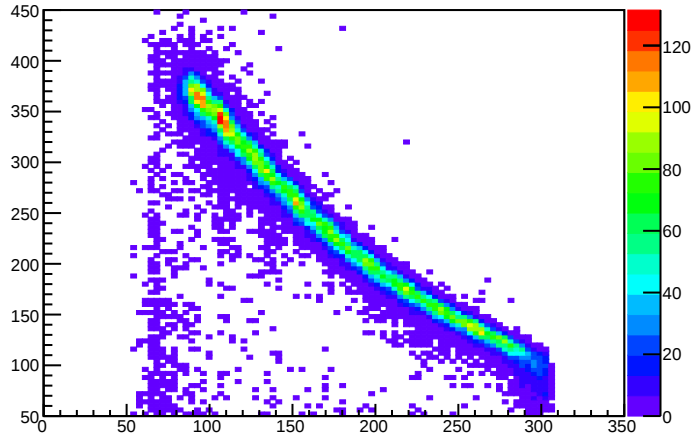
SS2gEvsR_passDtDphi



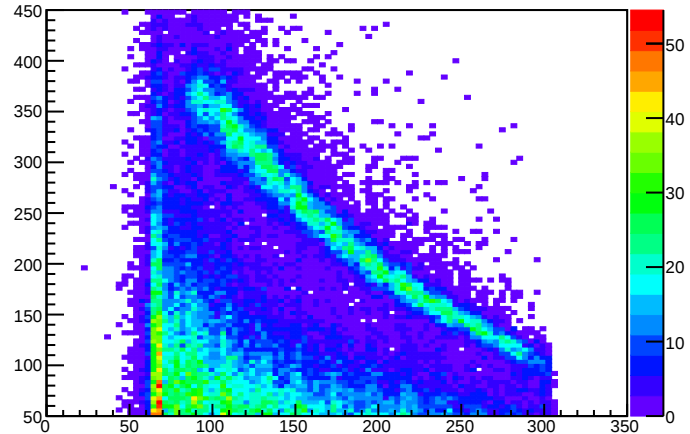
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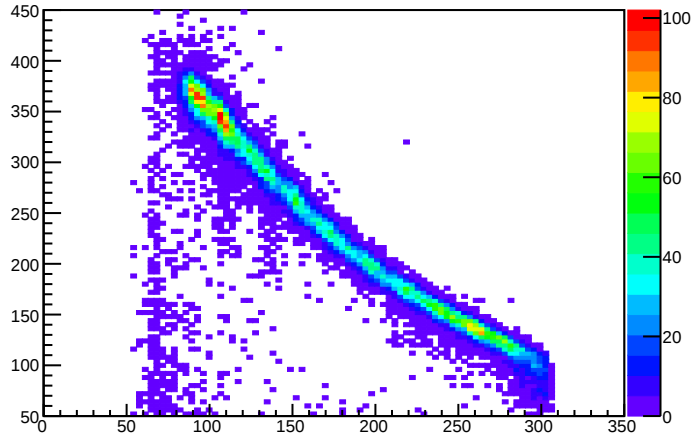
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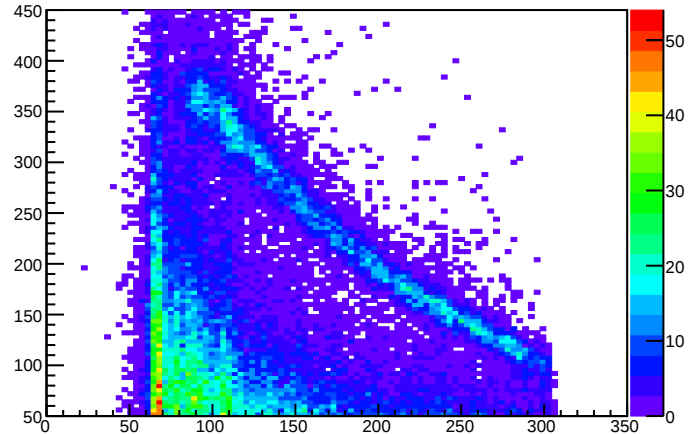
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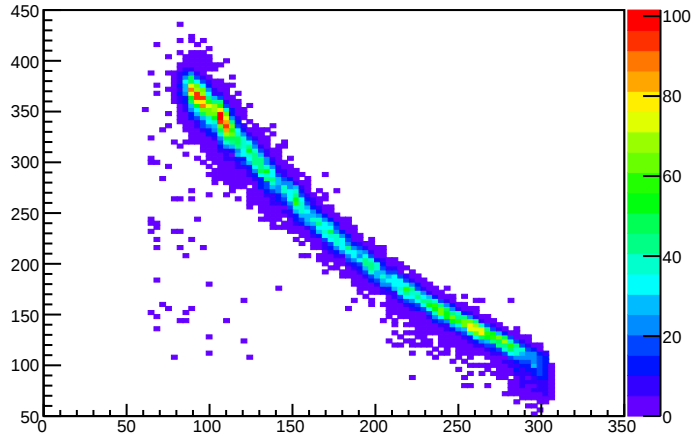
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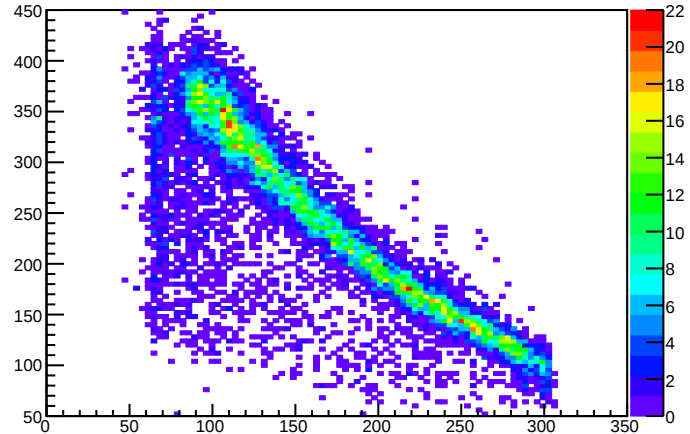
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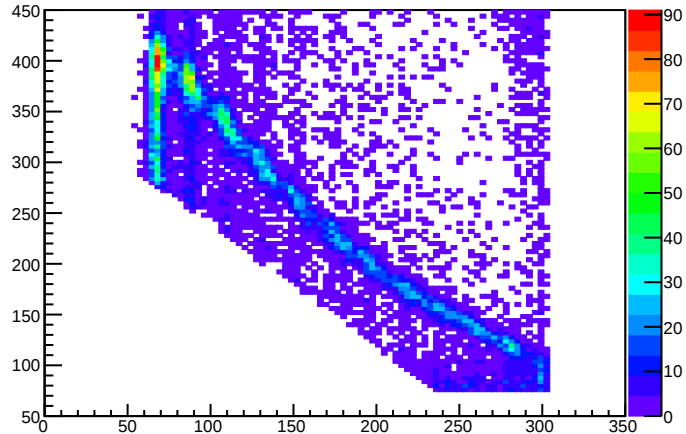
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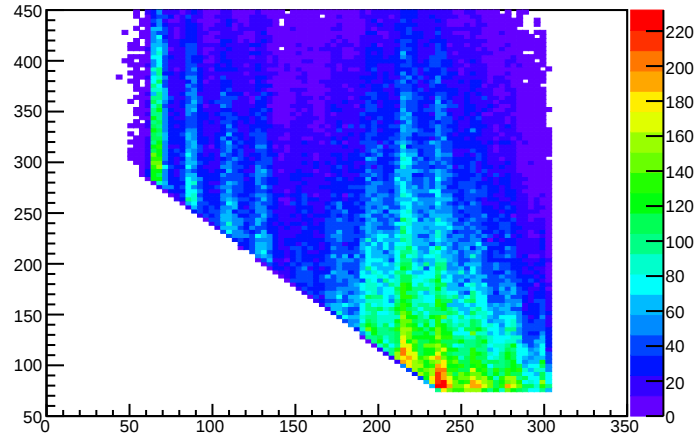
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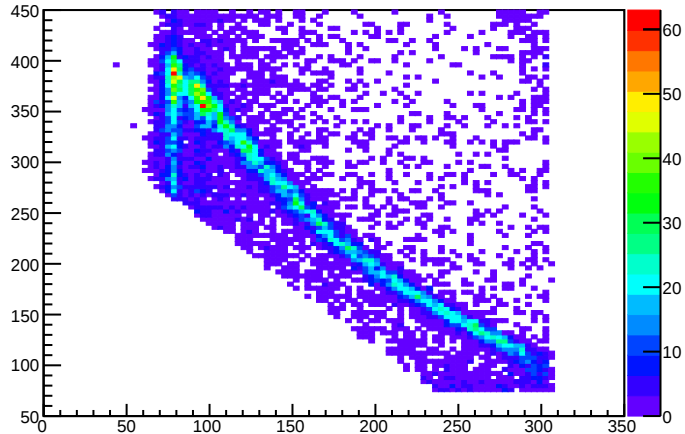
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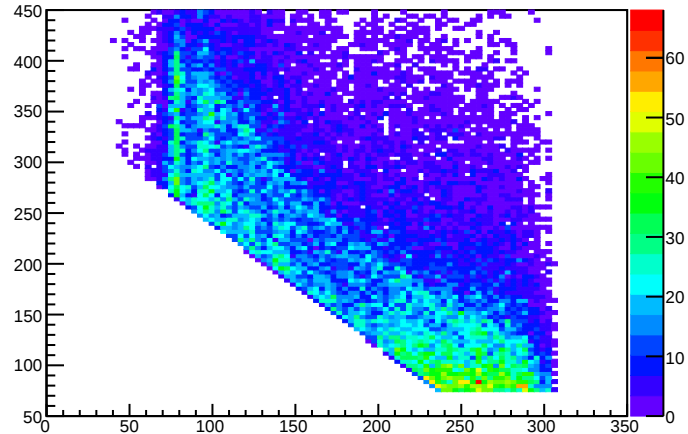
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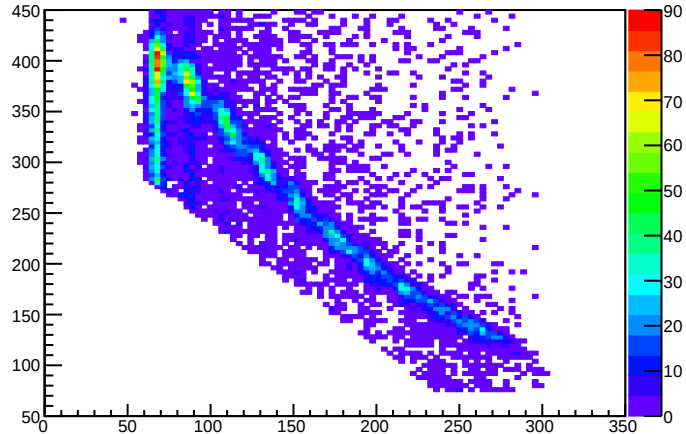
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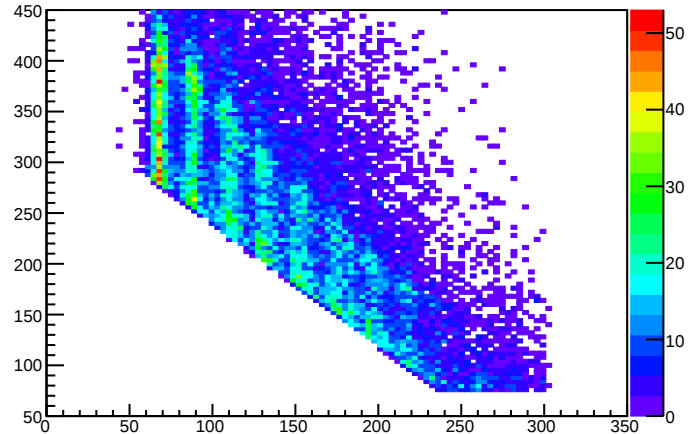
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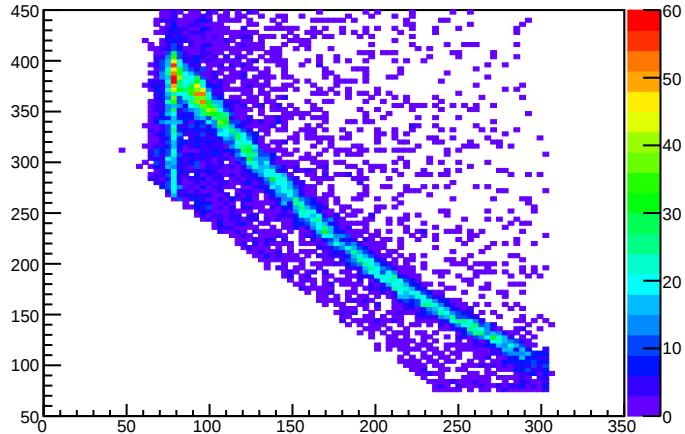
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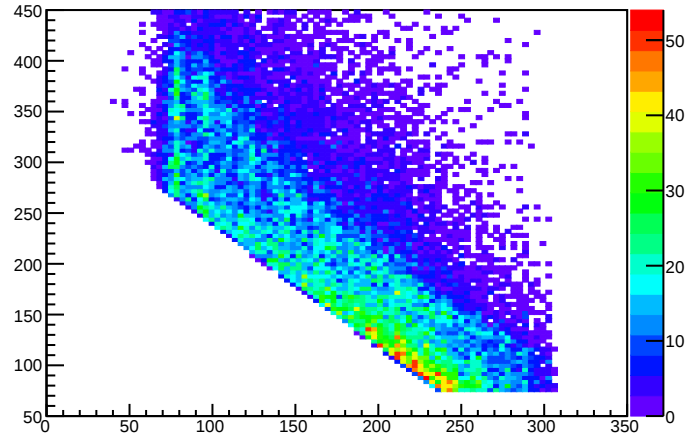
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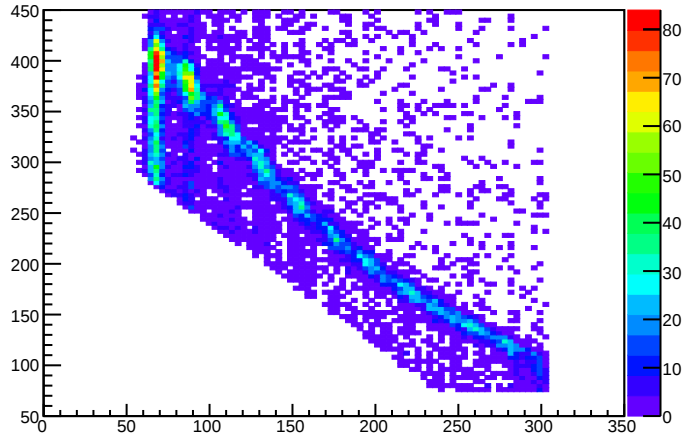
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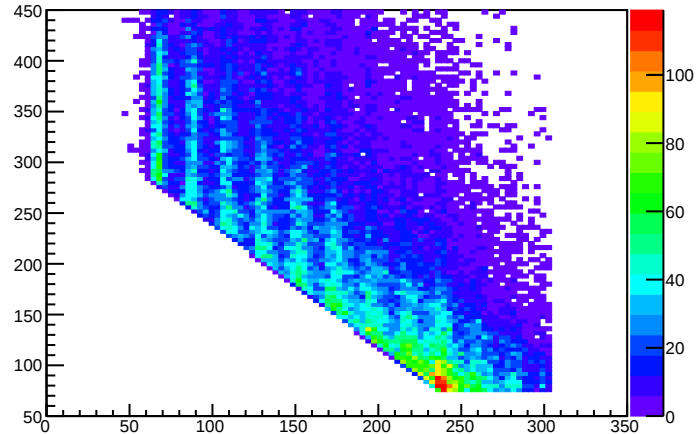
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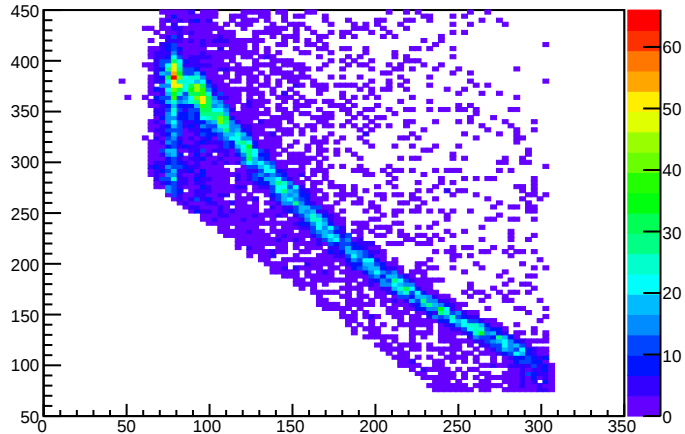
SS2gEvsR_sClu_FRphi180



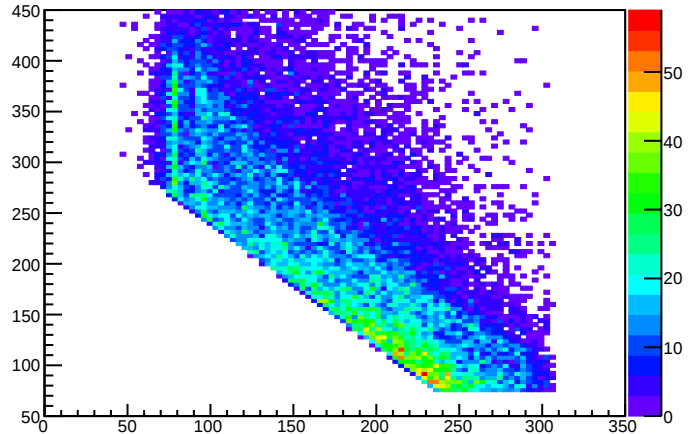
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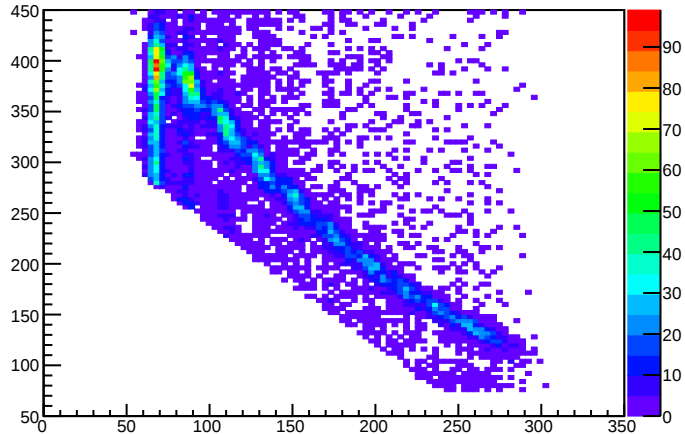
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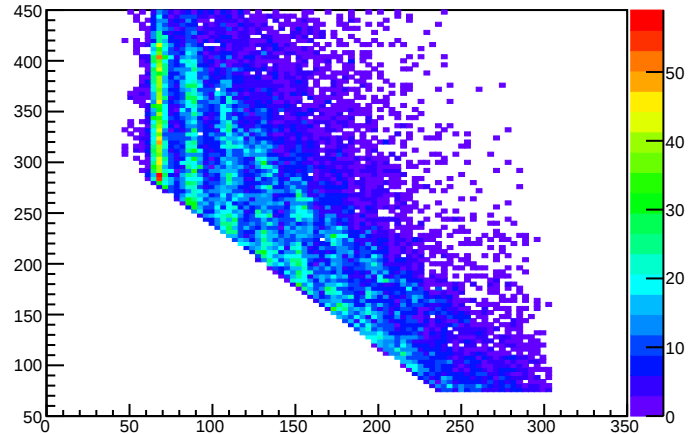
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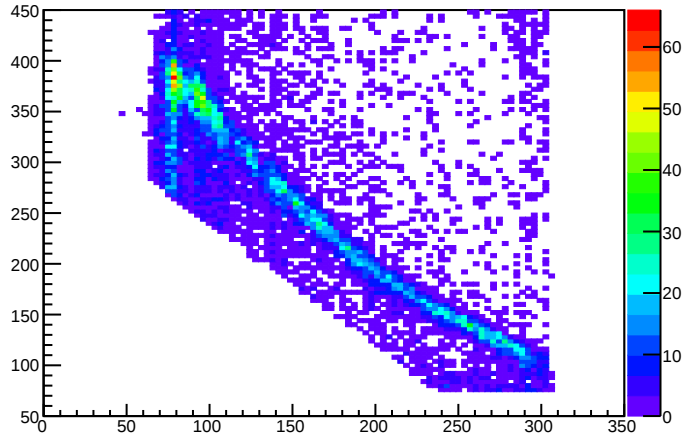
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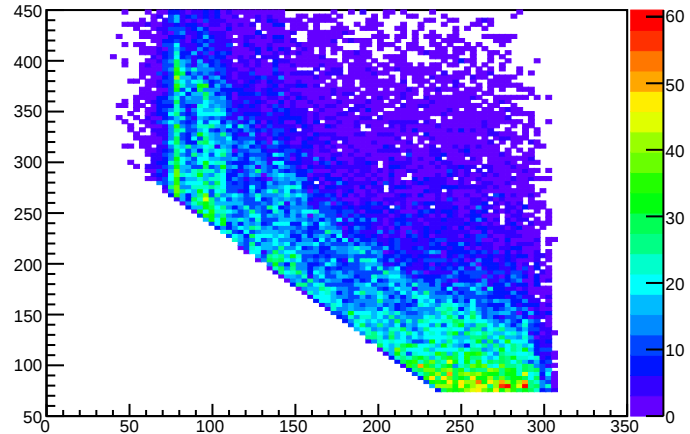
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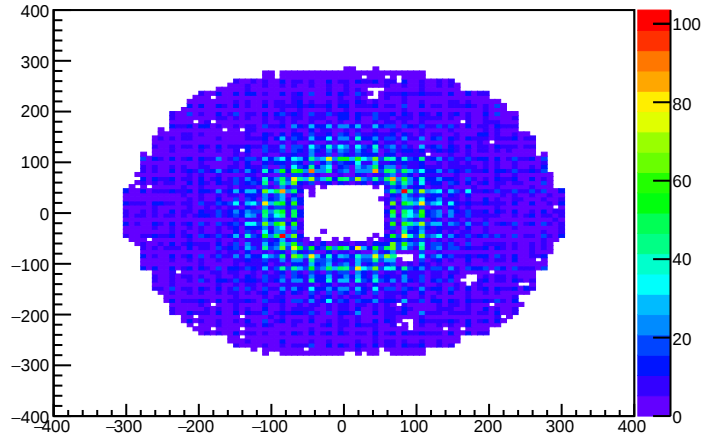
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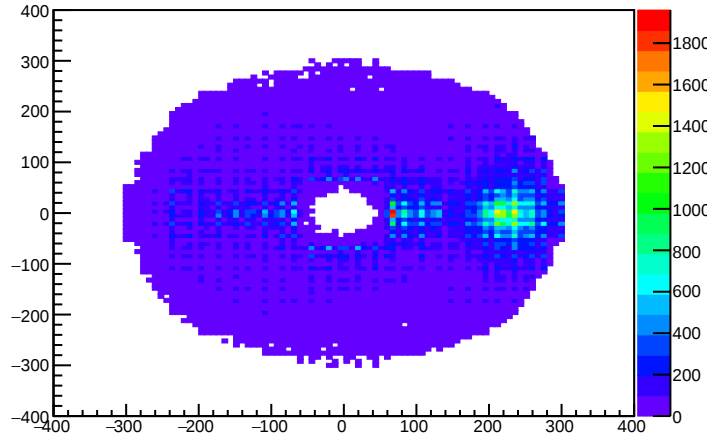
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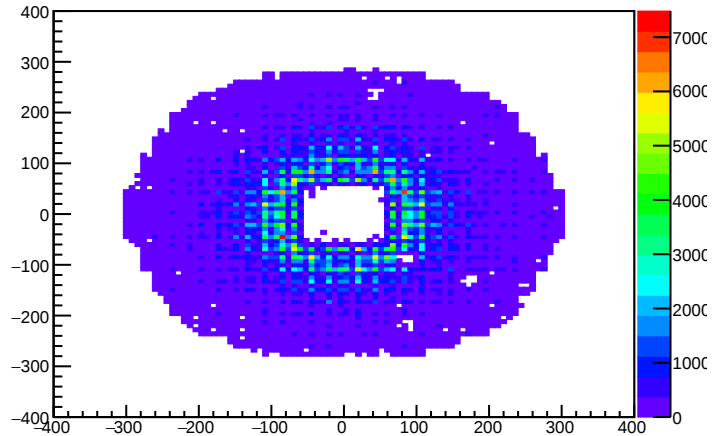
SS2gXY_inSR



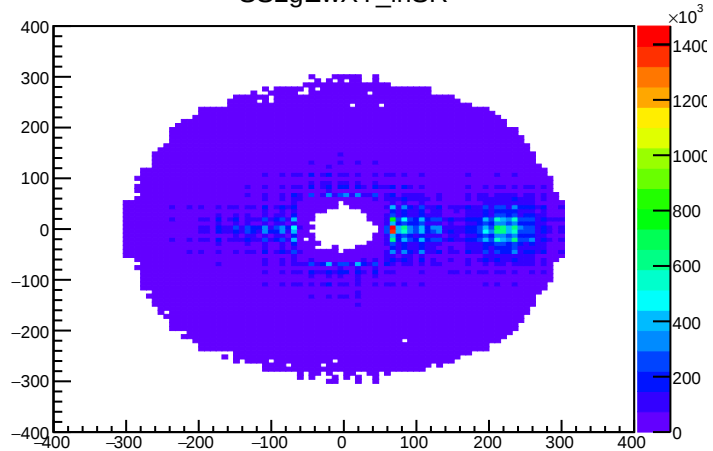
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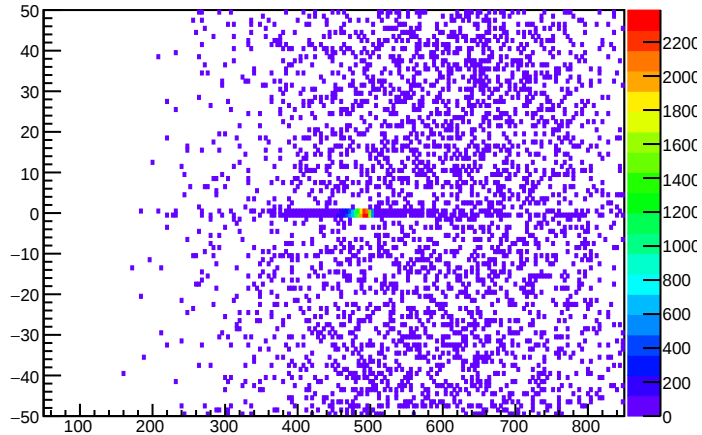
SS2gEwXY_inSR



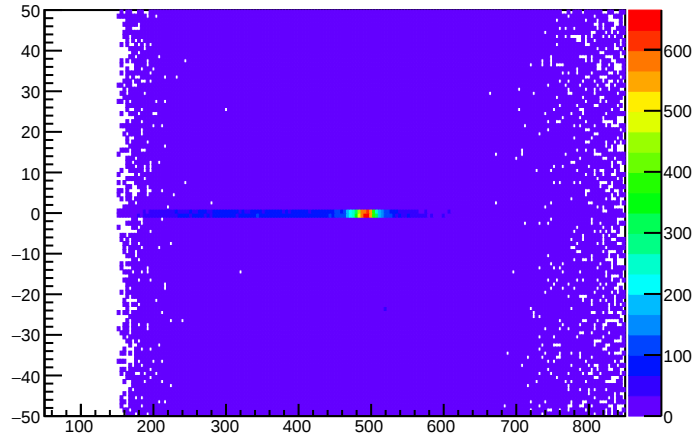
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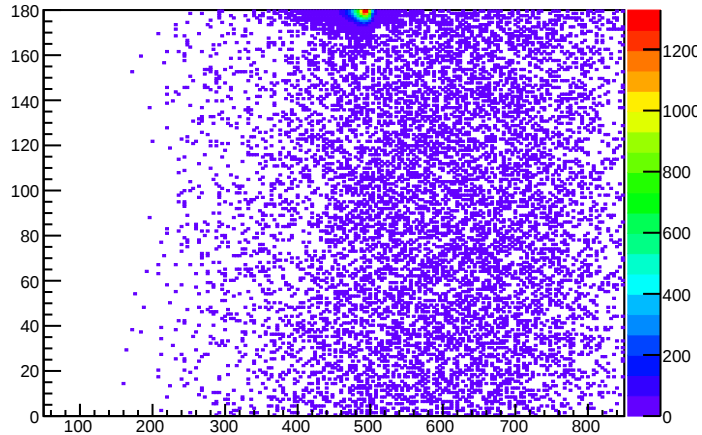
SS2gDtVsSumE_inSR



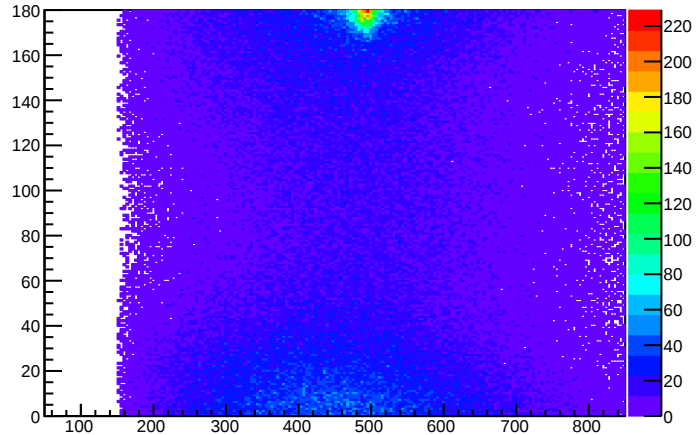
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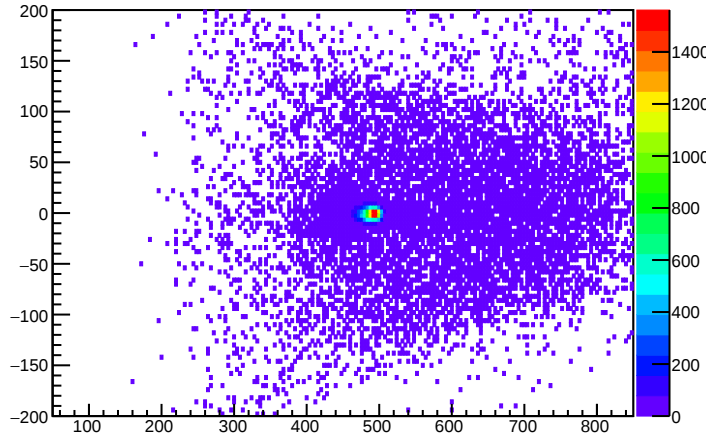
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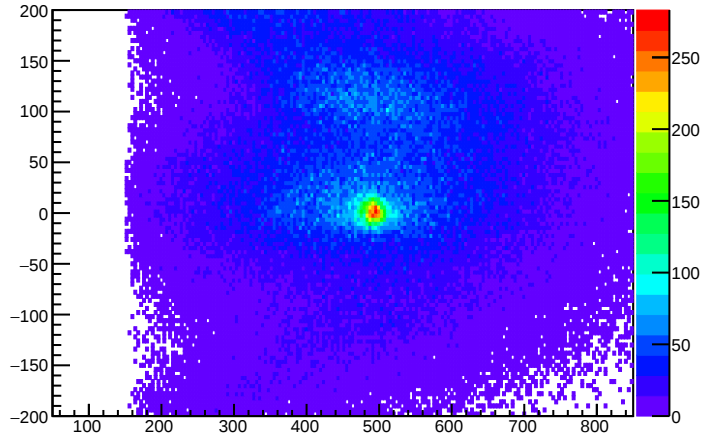
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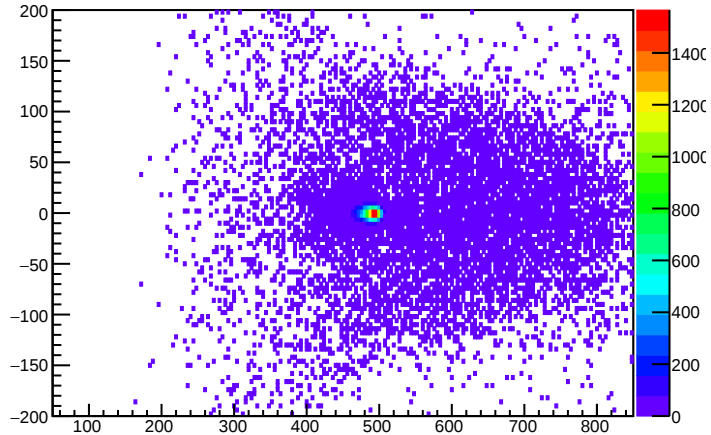
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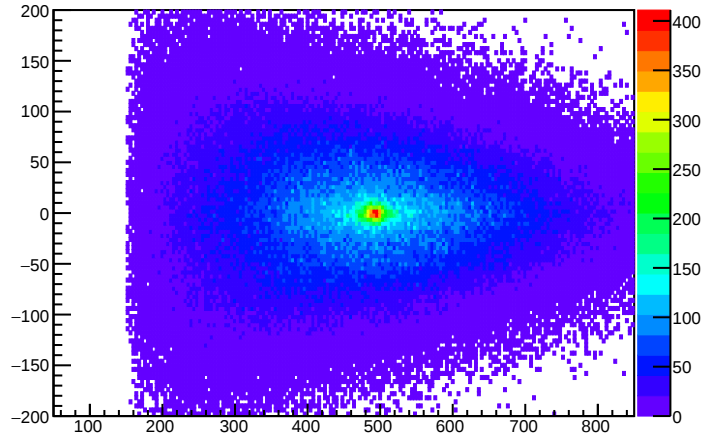
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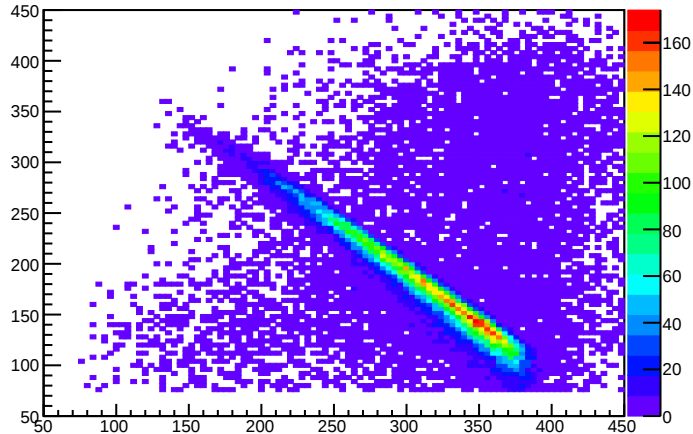
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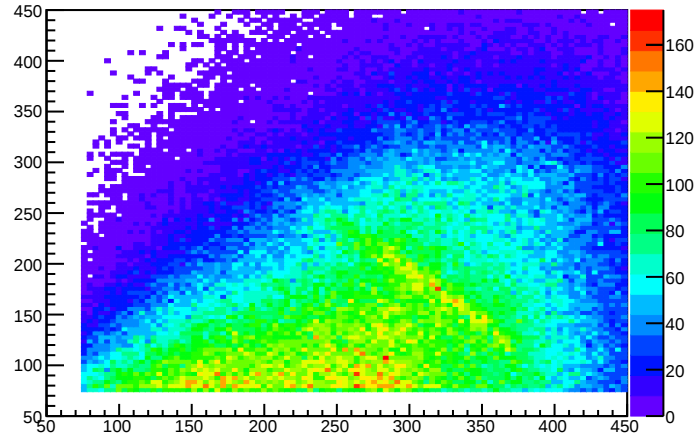
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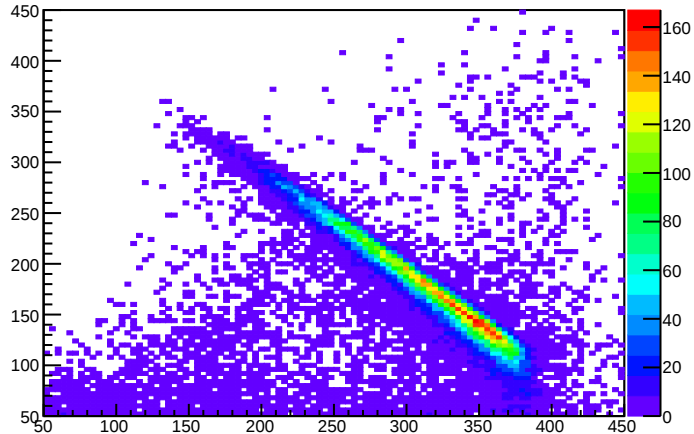
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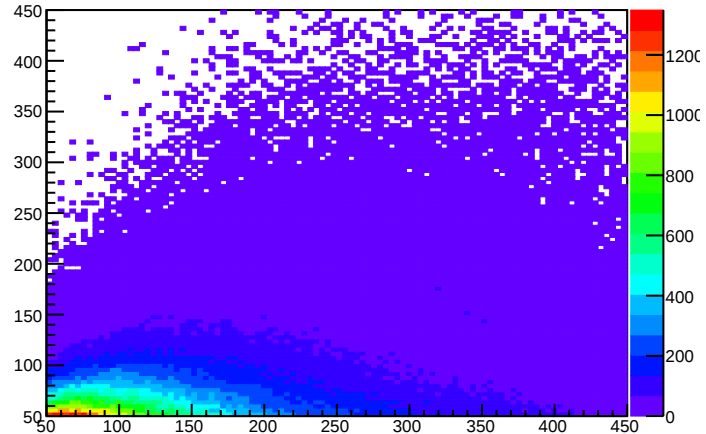
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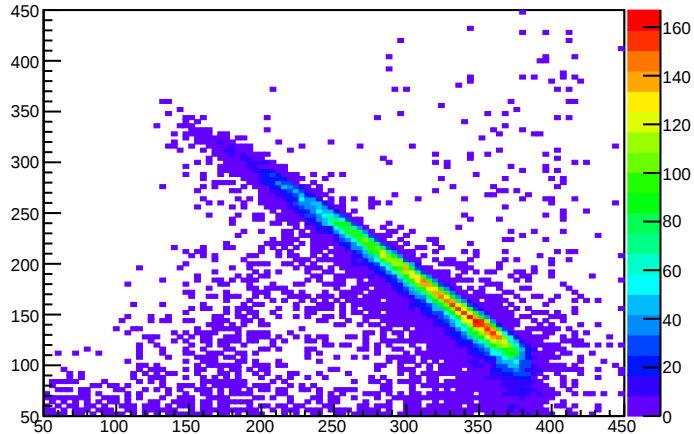
SS2gEVsE_passDt



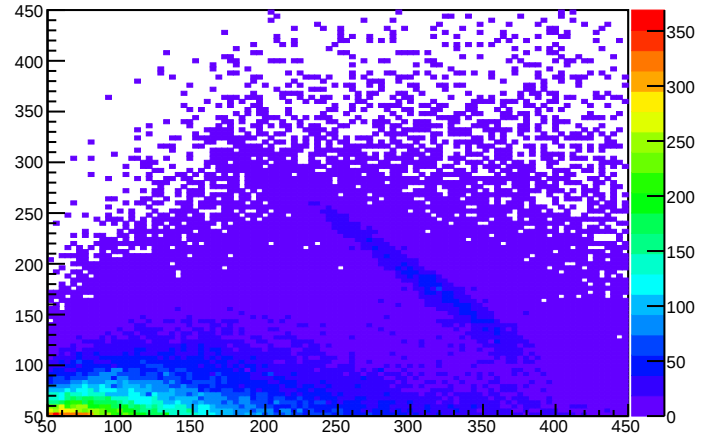
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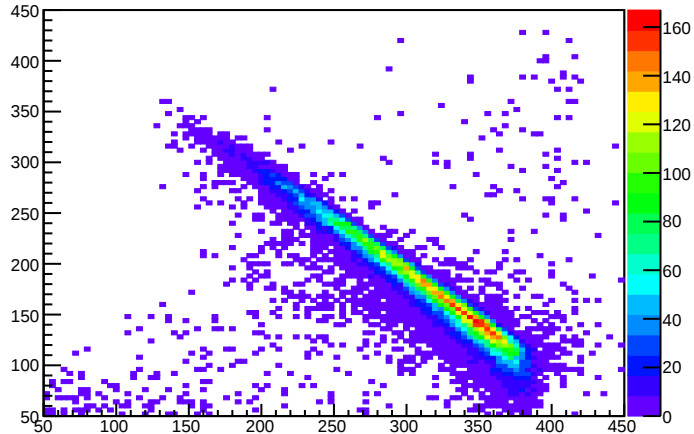
SS2gEVsE_passDtDphi



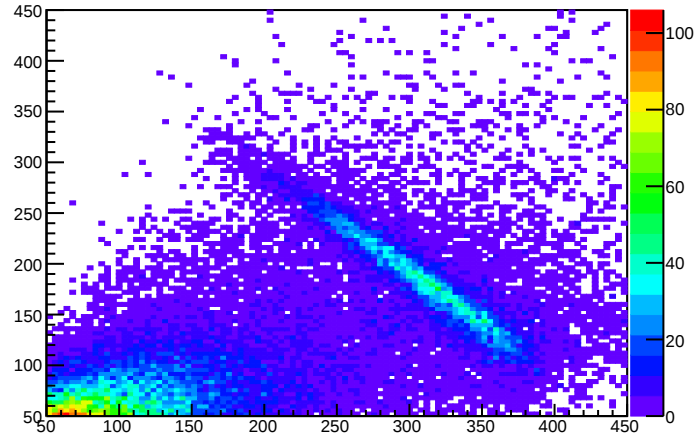
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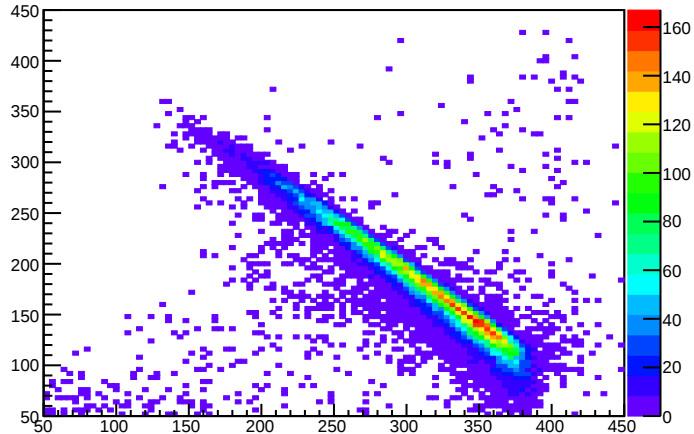
SS2gEVsE_passDtDphiCog



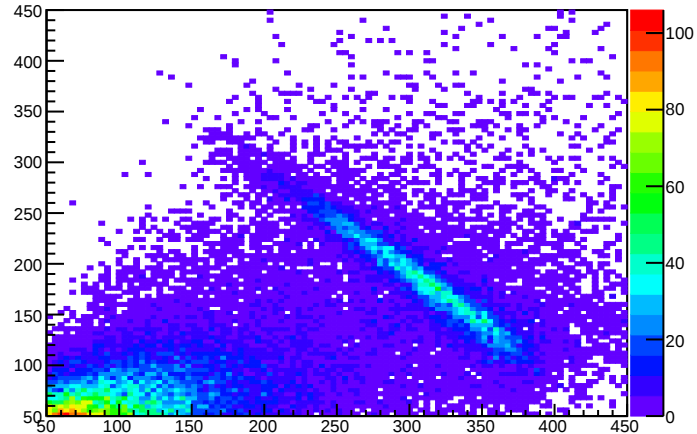
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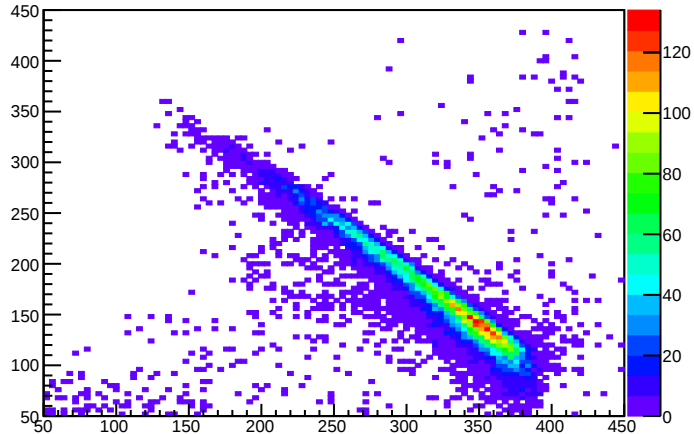
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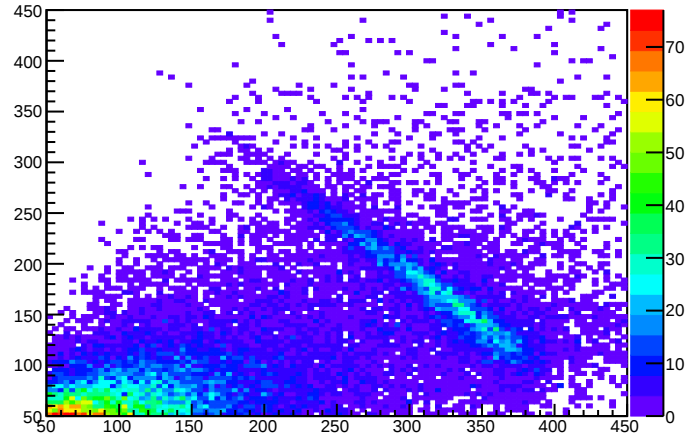
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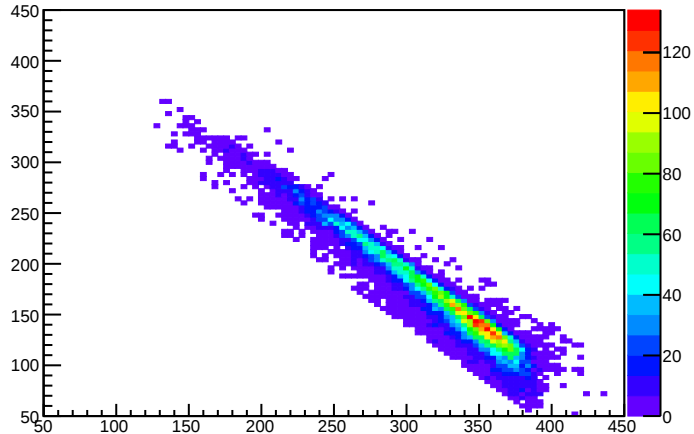
SS2gEVsE_passDtDphiCogFR



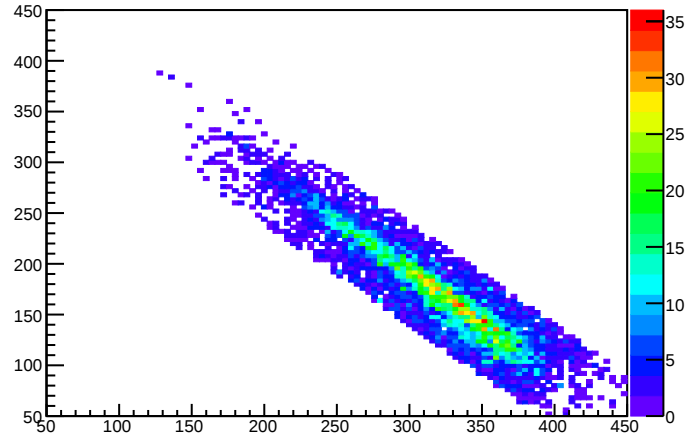
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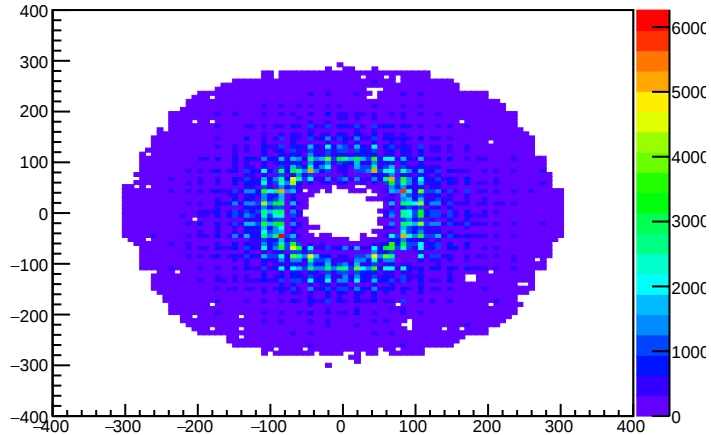
SS2gEVsE_passDtDphiCogDsume



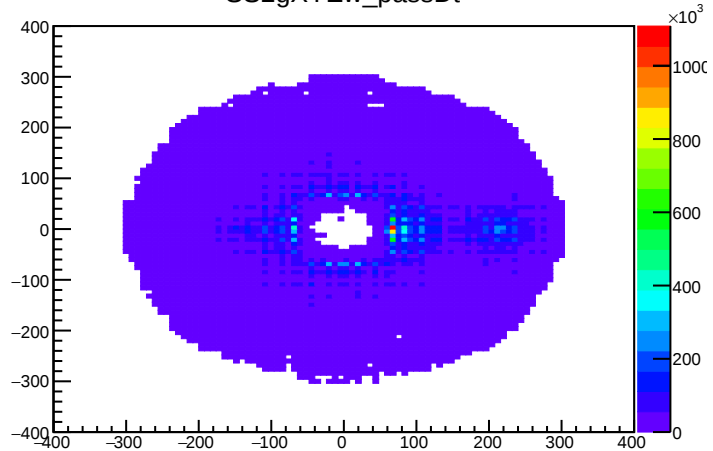
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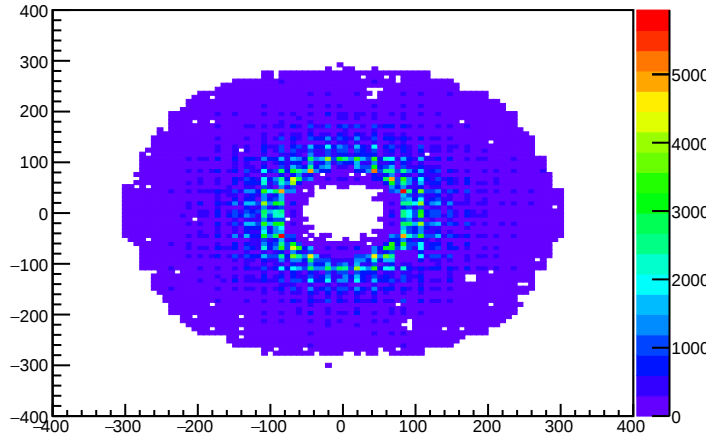
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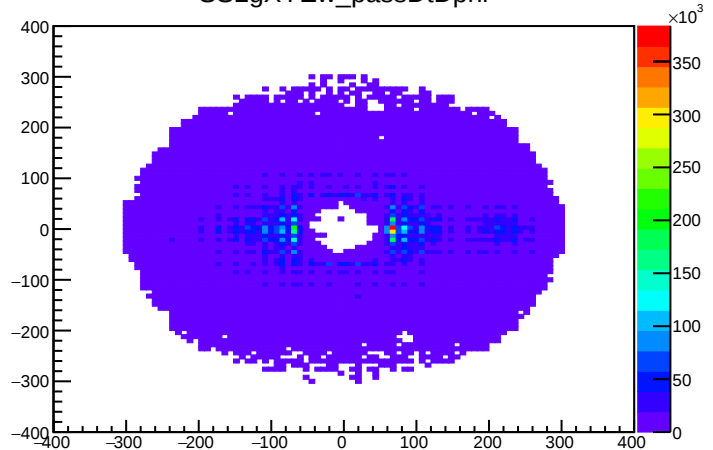
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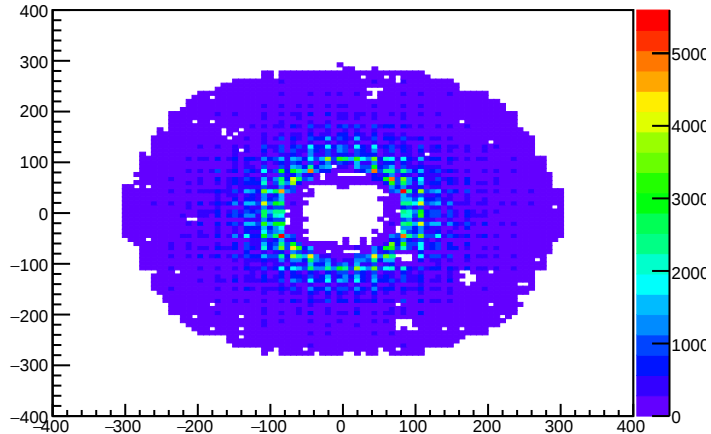
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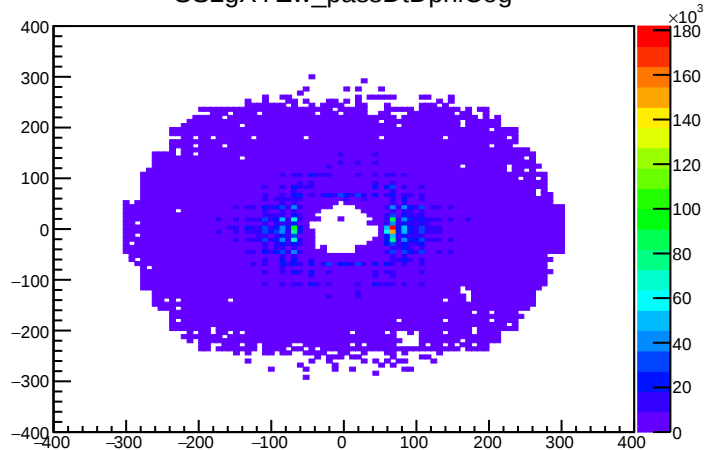
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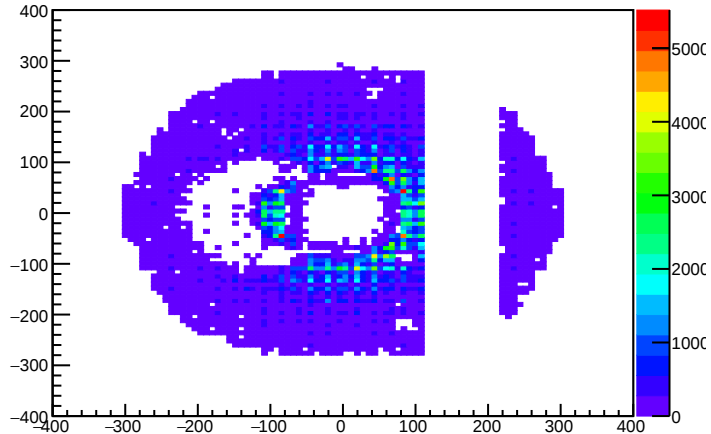
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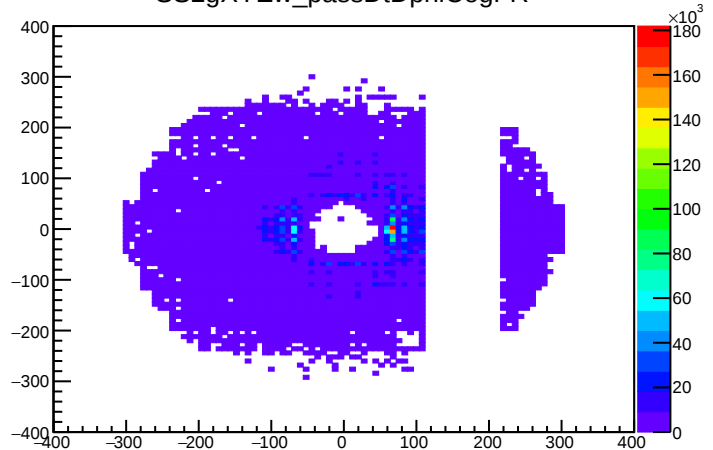
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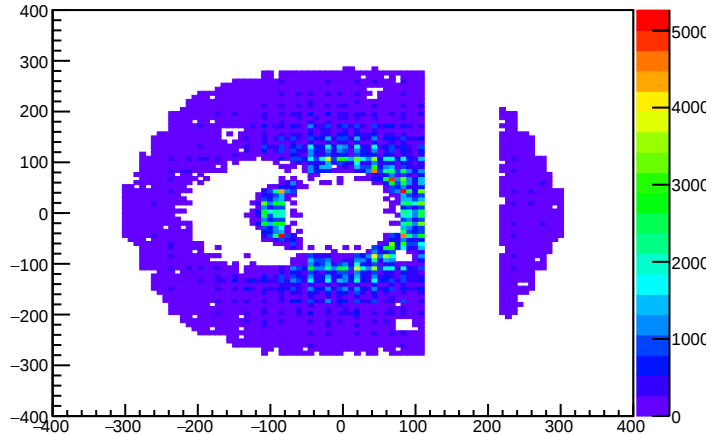
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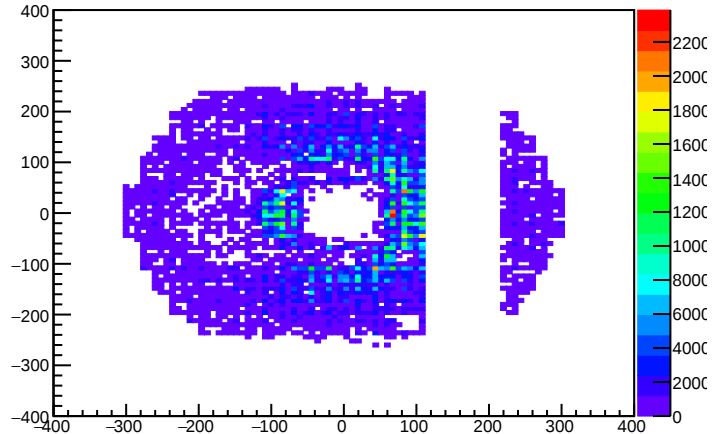
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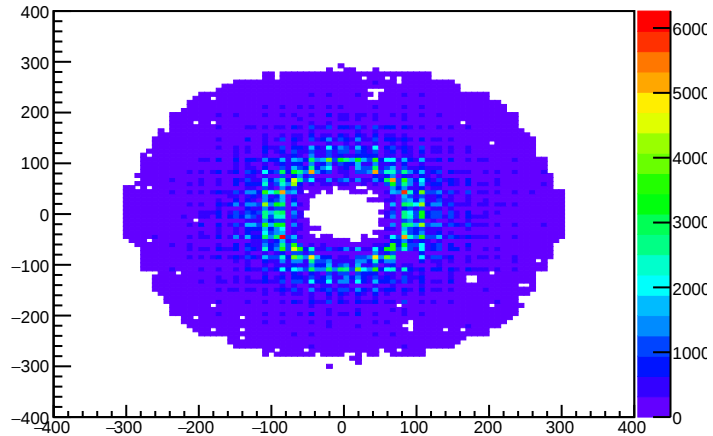
SS2gXYEw_passDtDphiCogDsume



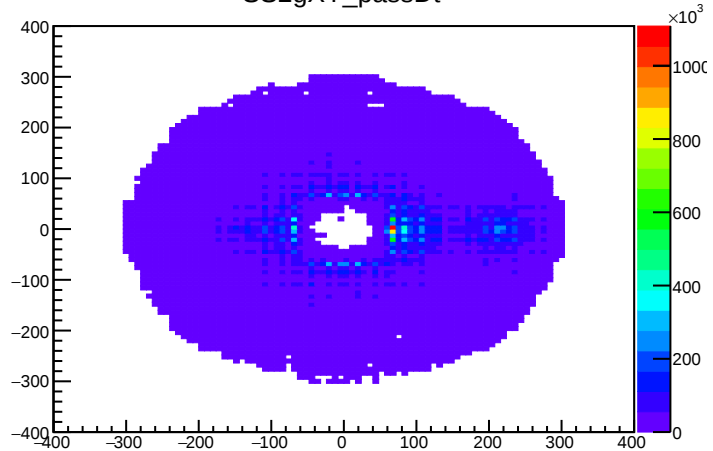
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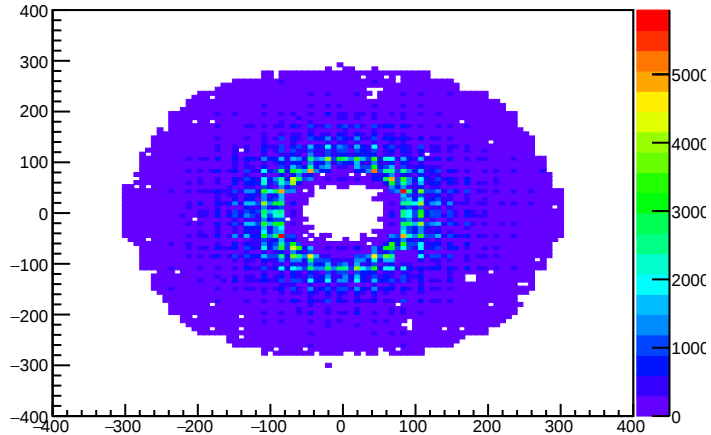
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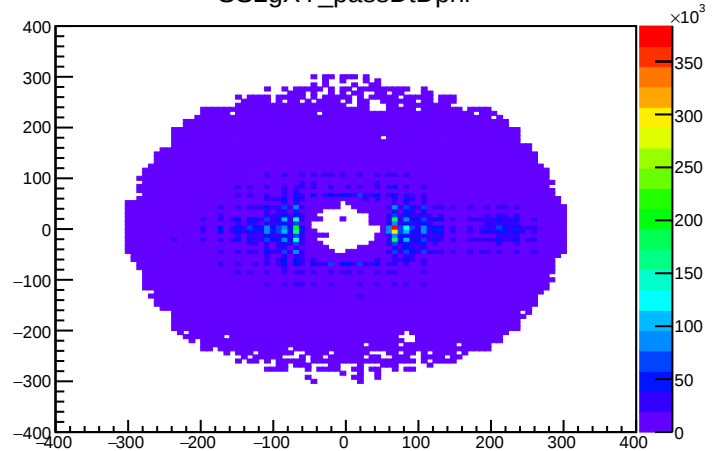
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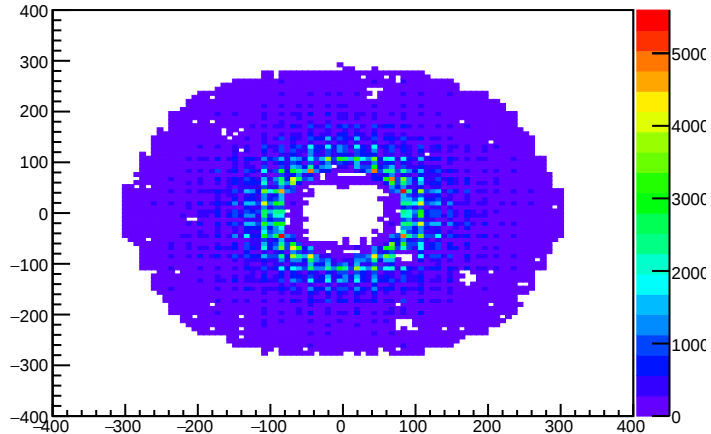
SS2gXY_passDtDphi



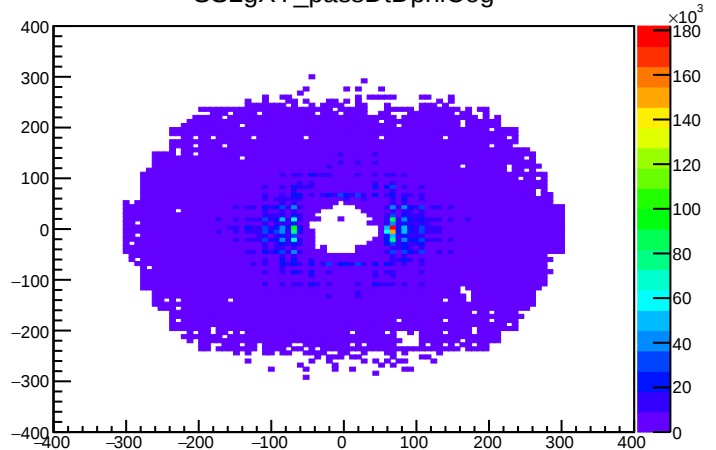
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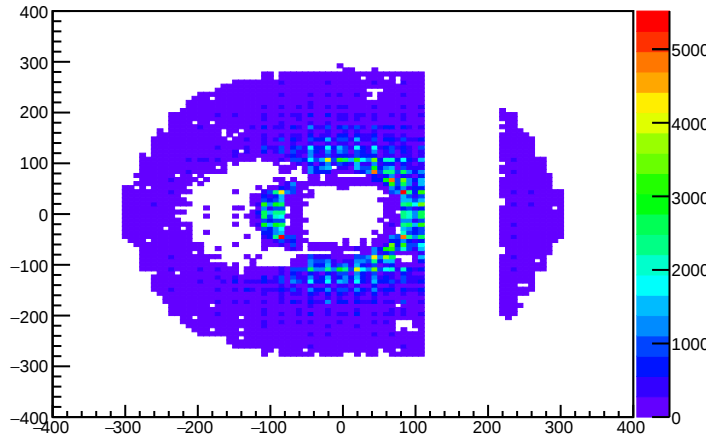
SS2gXY_passDtDphiCog



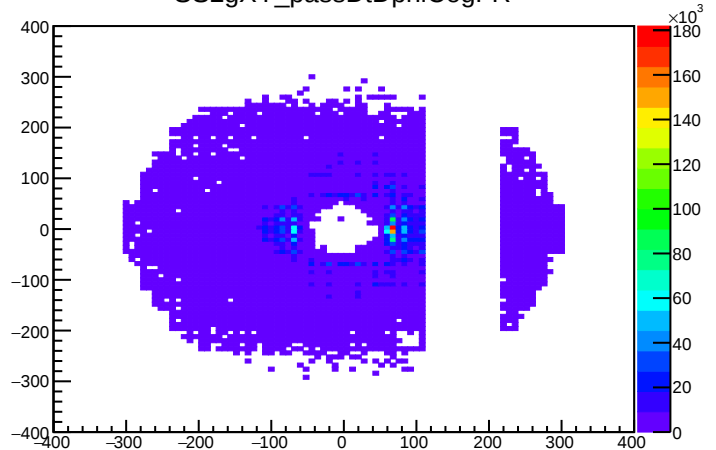
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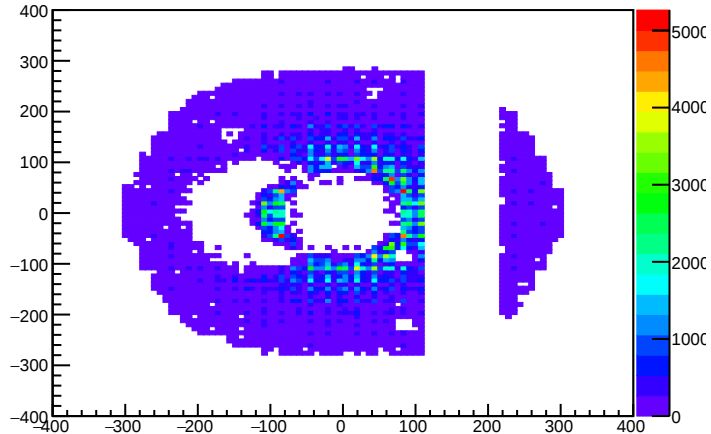
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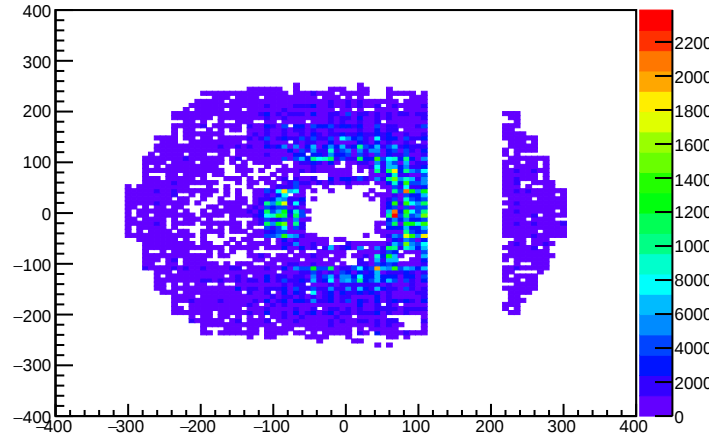
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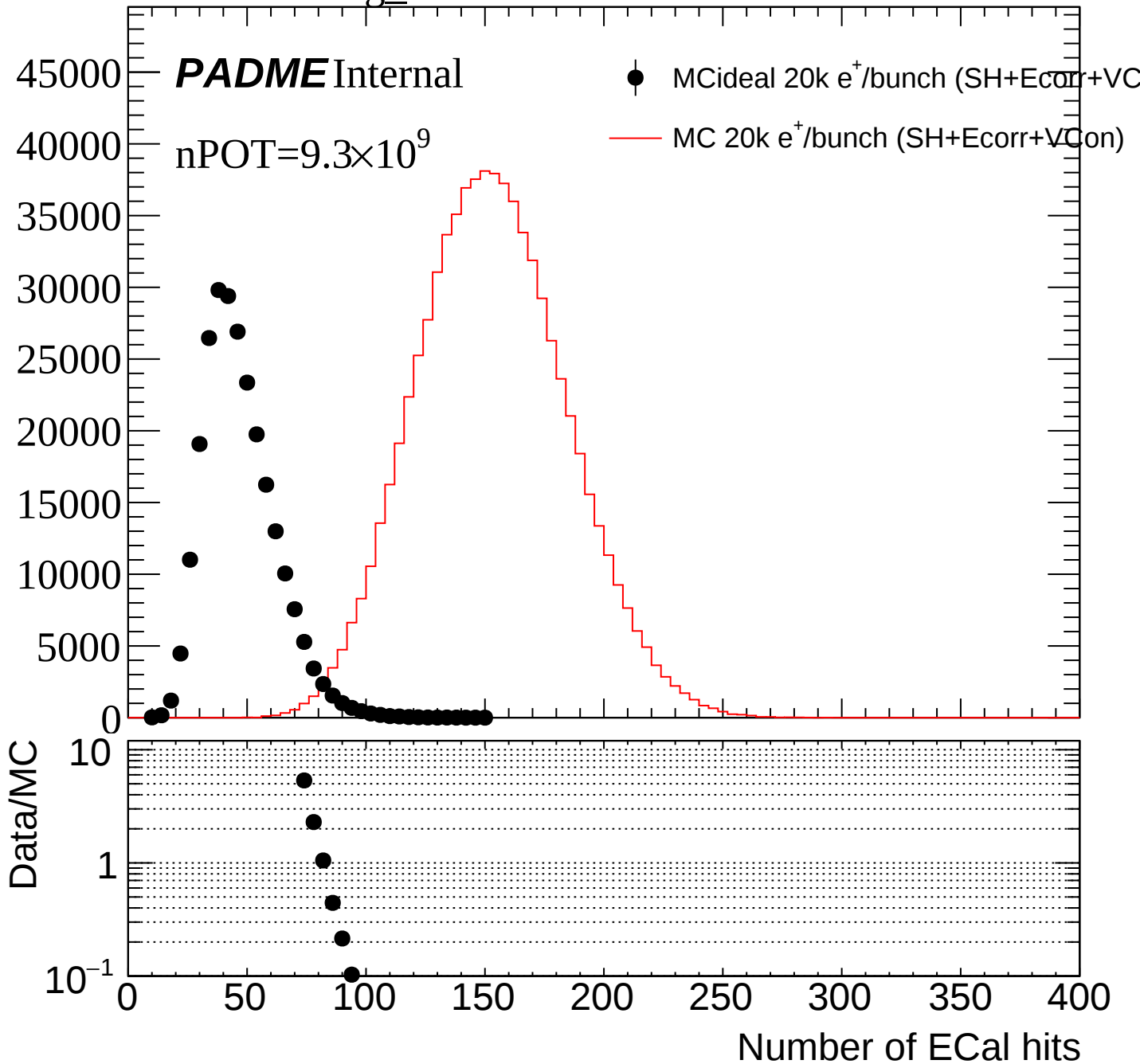
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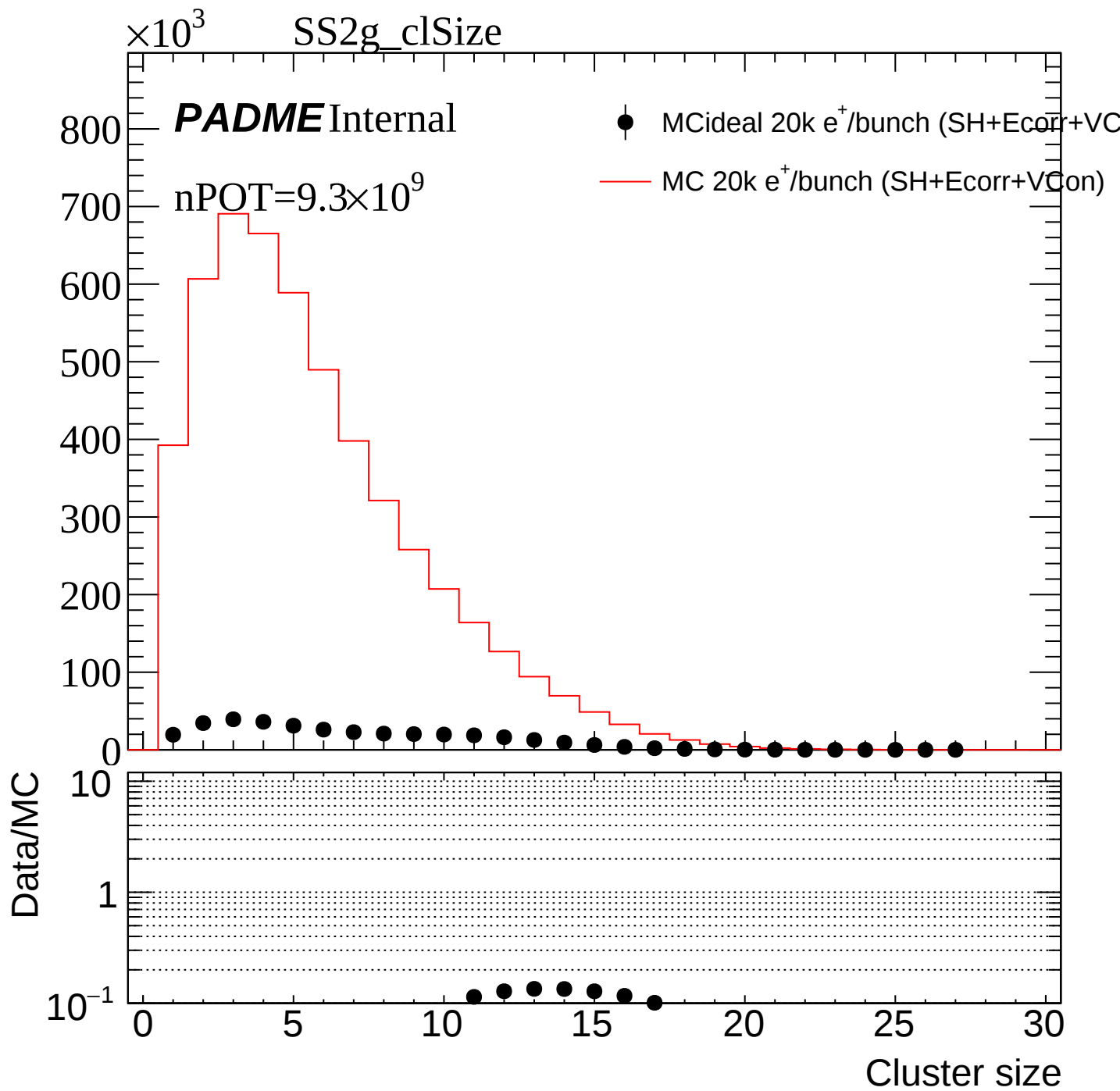


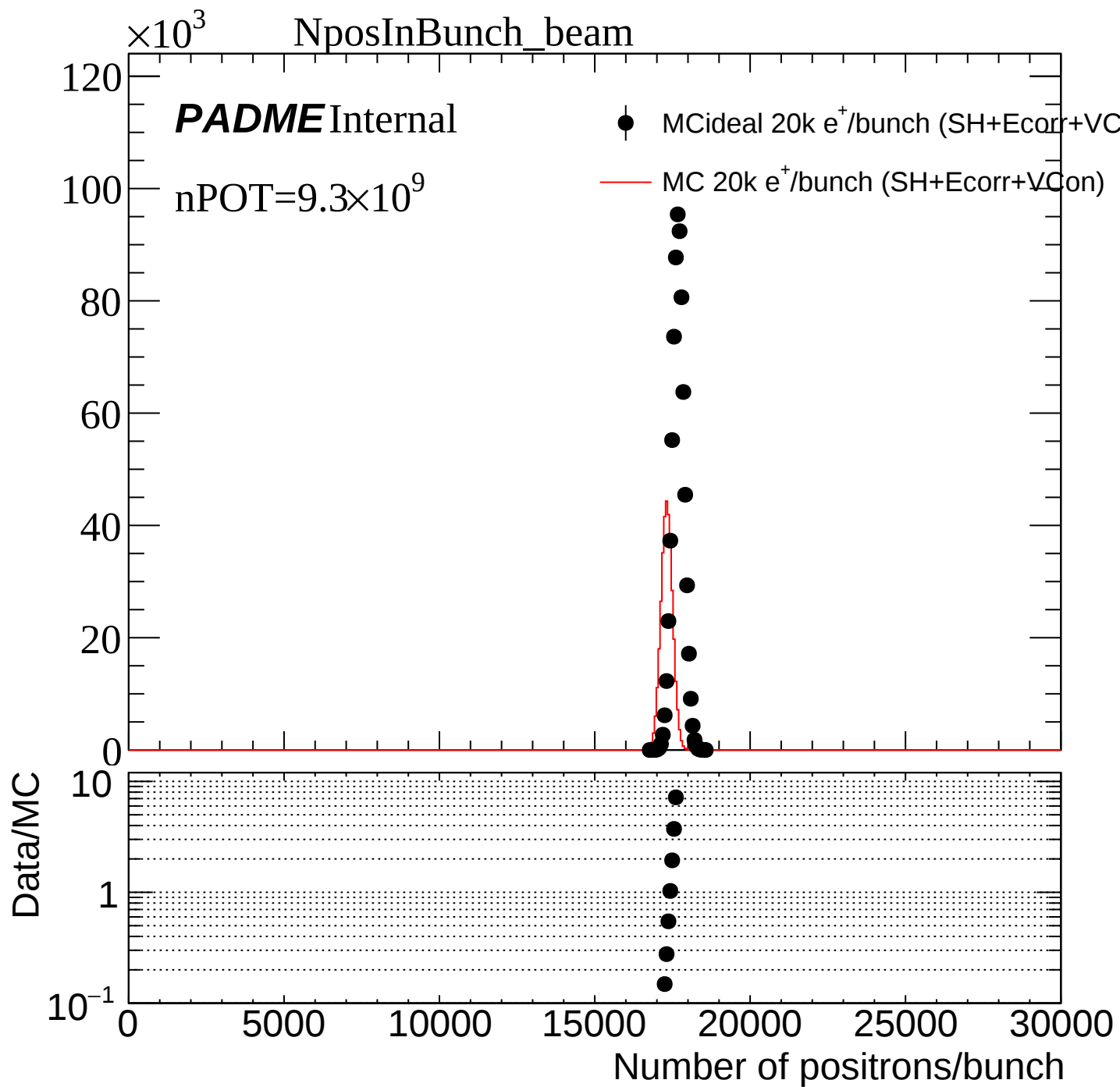
SS2gXY_passDtDphiCogDsume



SS2g_nhits







NposInBunch_beam_passDtDphiCogDsume

PADME Internal

nPOT=9.3×10⁹

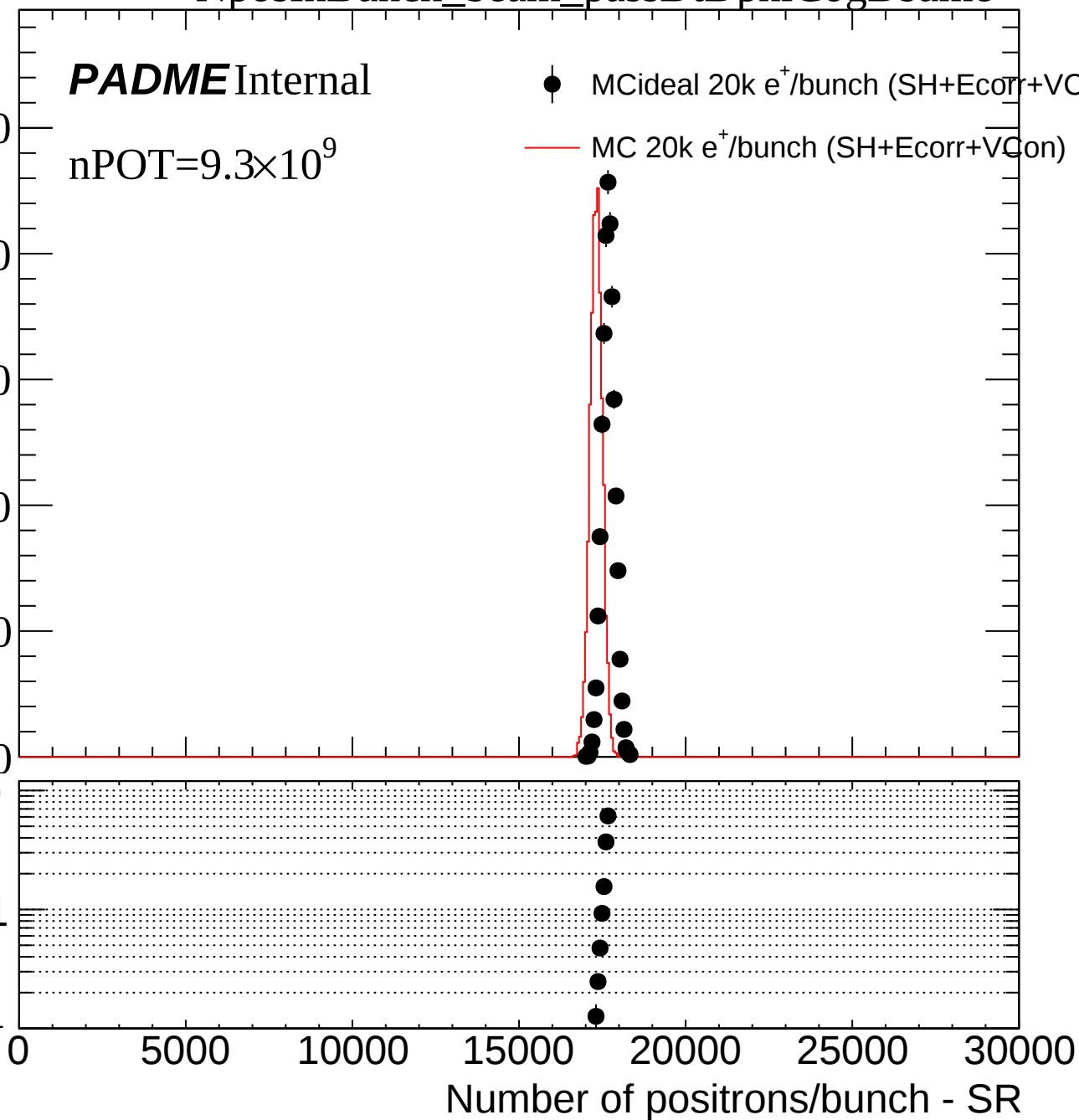
● MCideal 20k e⁺/bunch (SH+Ecorr+VC)

— MC 20k e⁺/bunch (SH+Ecorr+VCon)

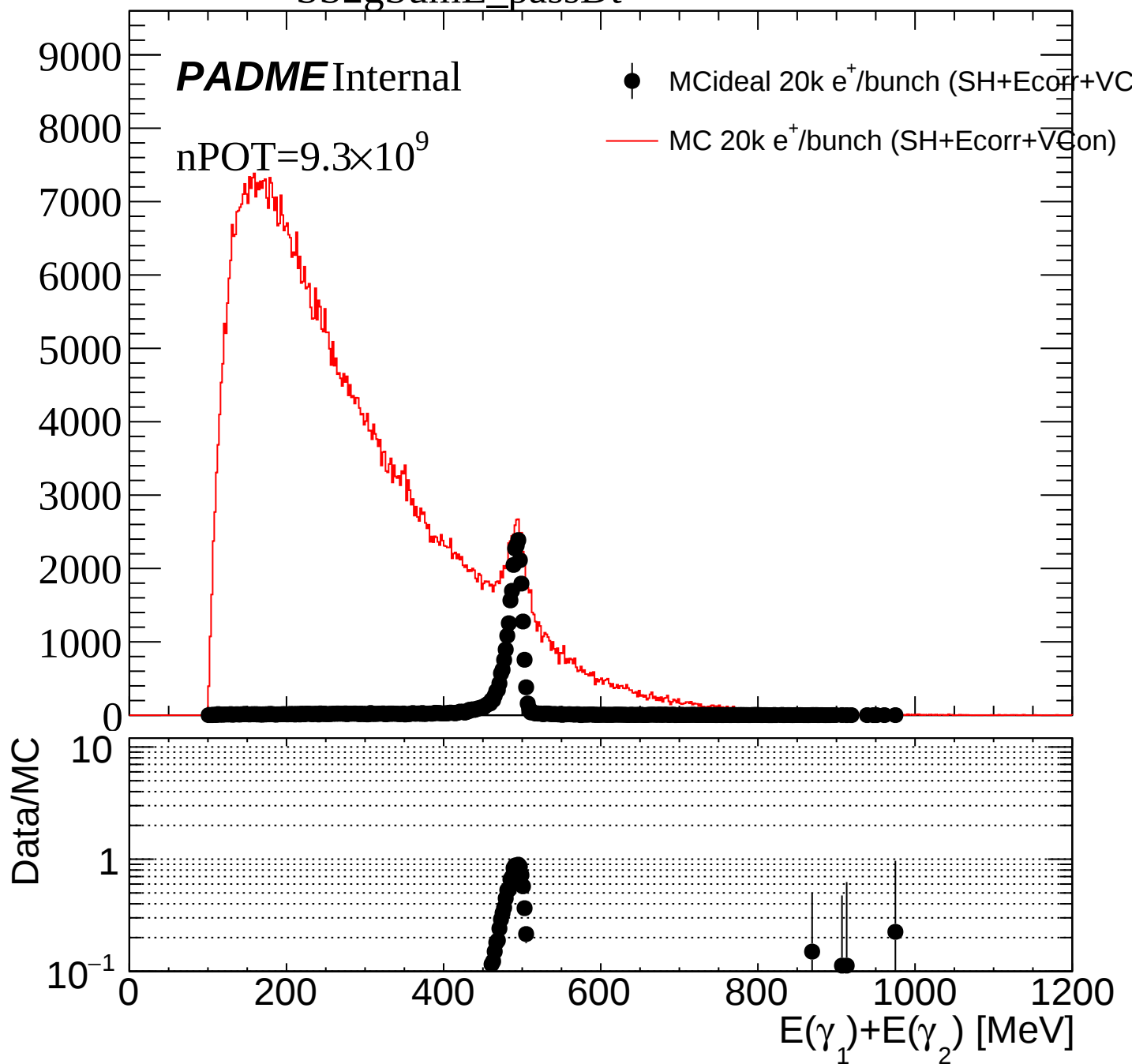
Data/MC

2500
2000
1500
1000
500
0
10
1
10⁻¹

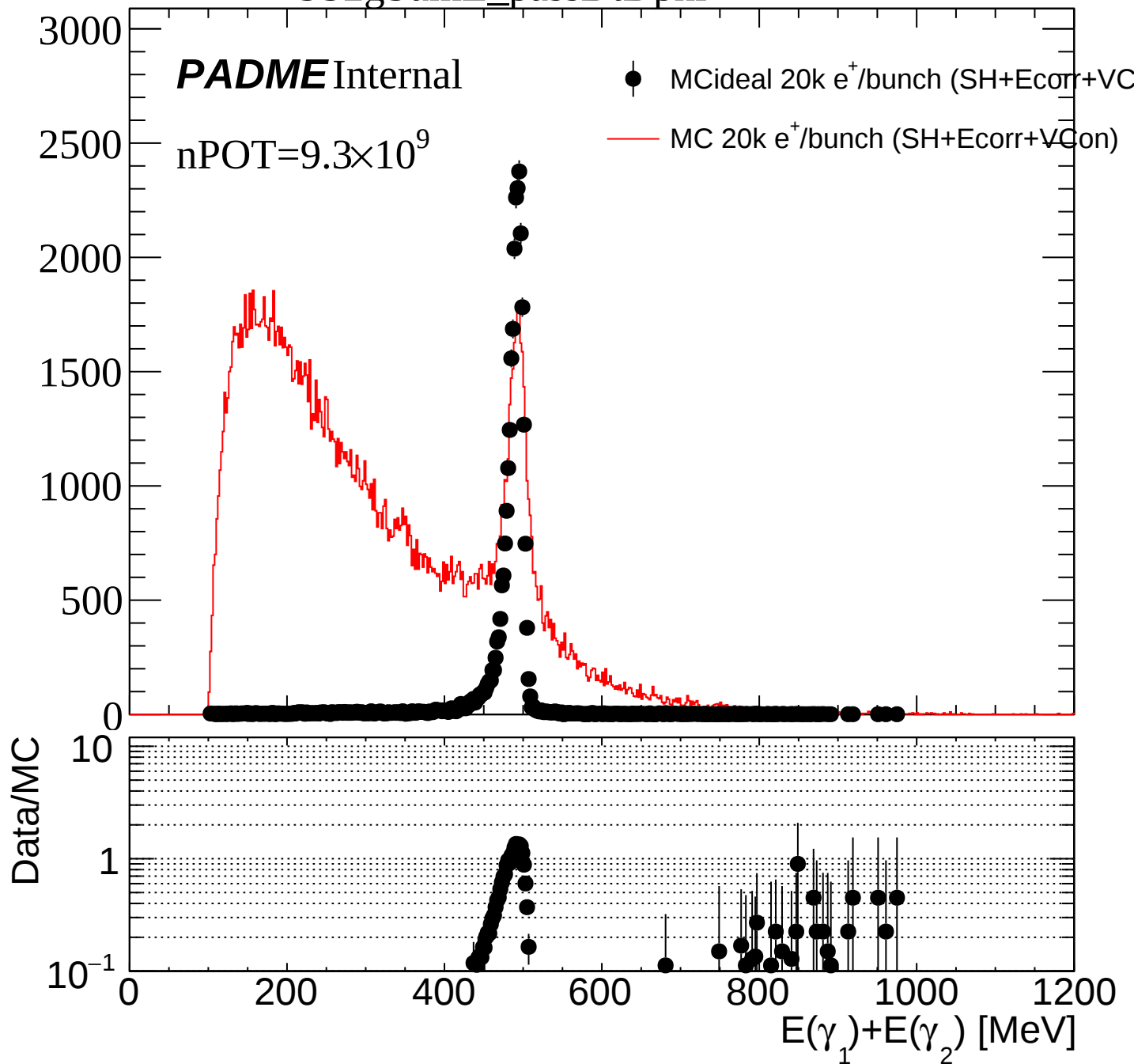
Number of positrons/bunch - SR



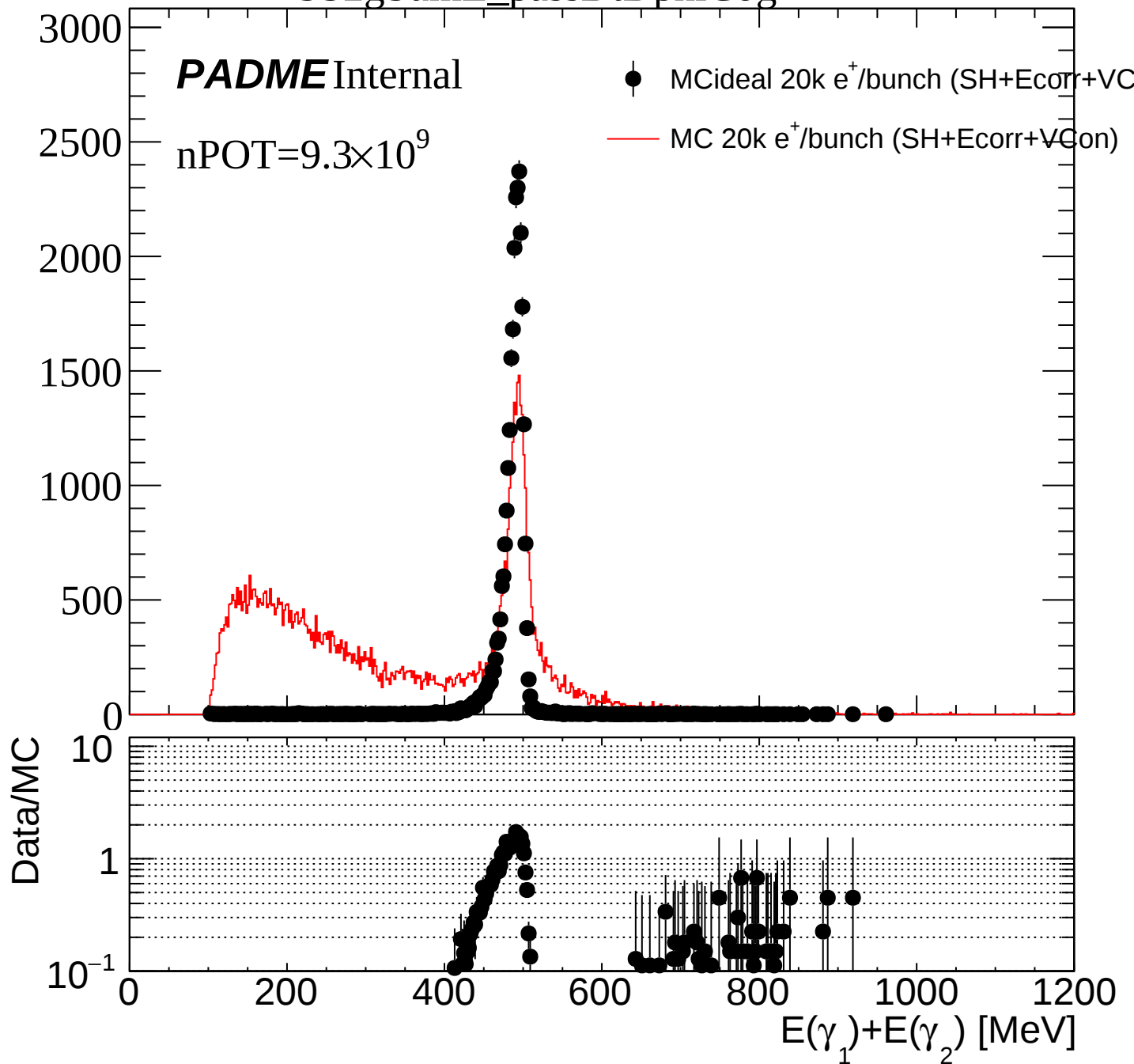
SS2gSumE_passDt



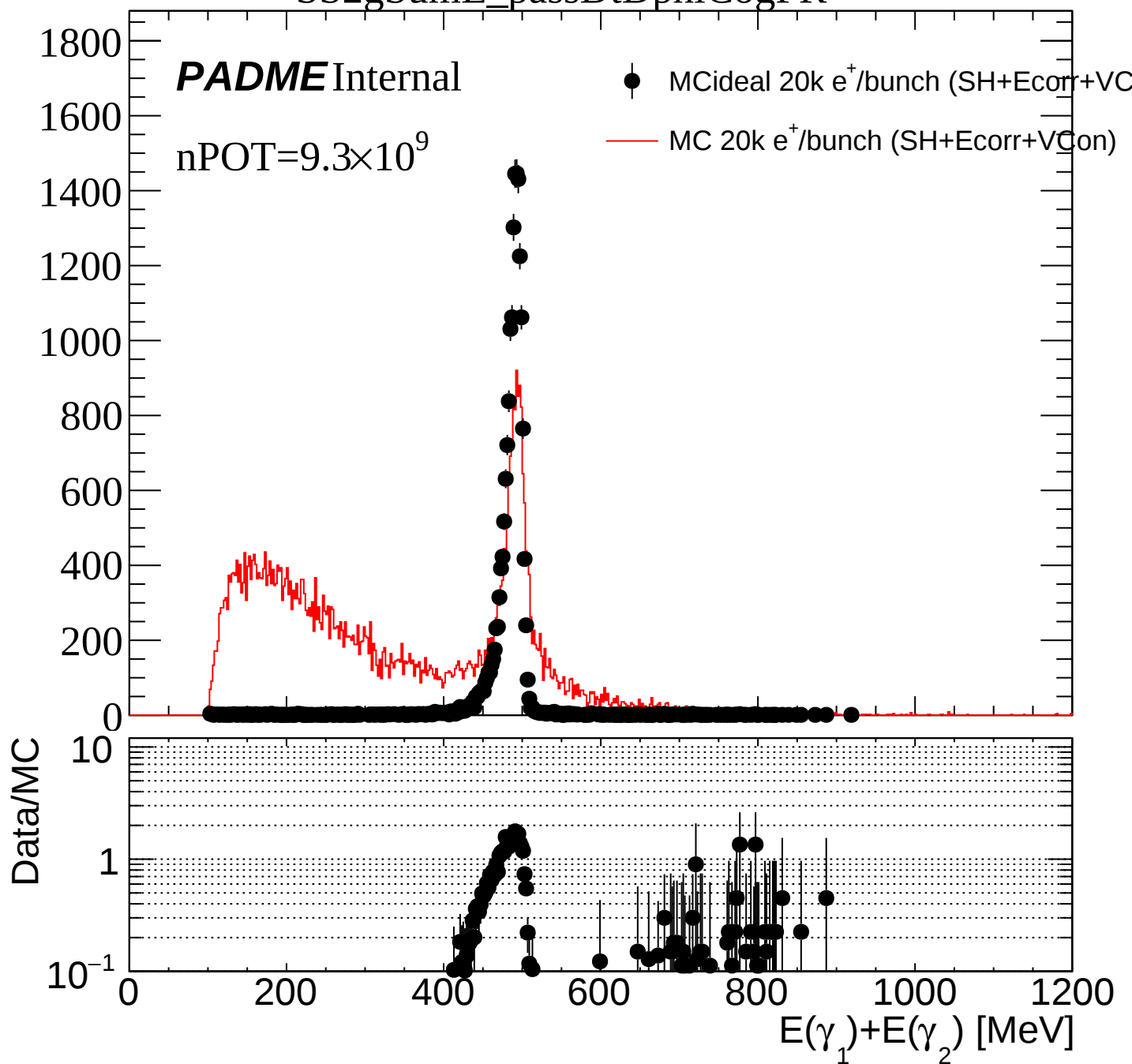
SS2gSumE_passDtDphi



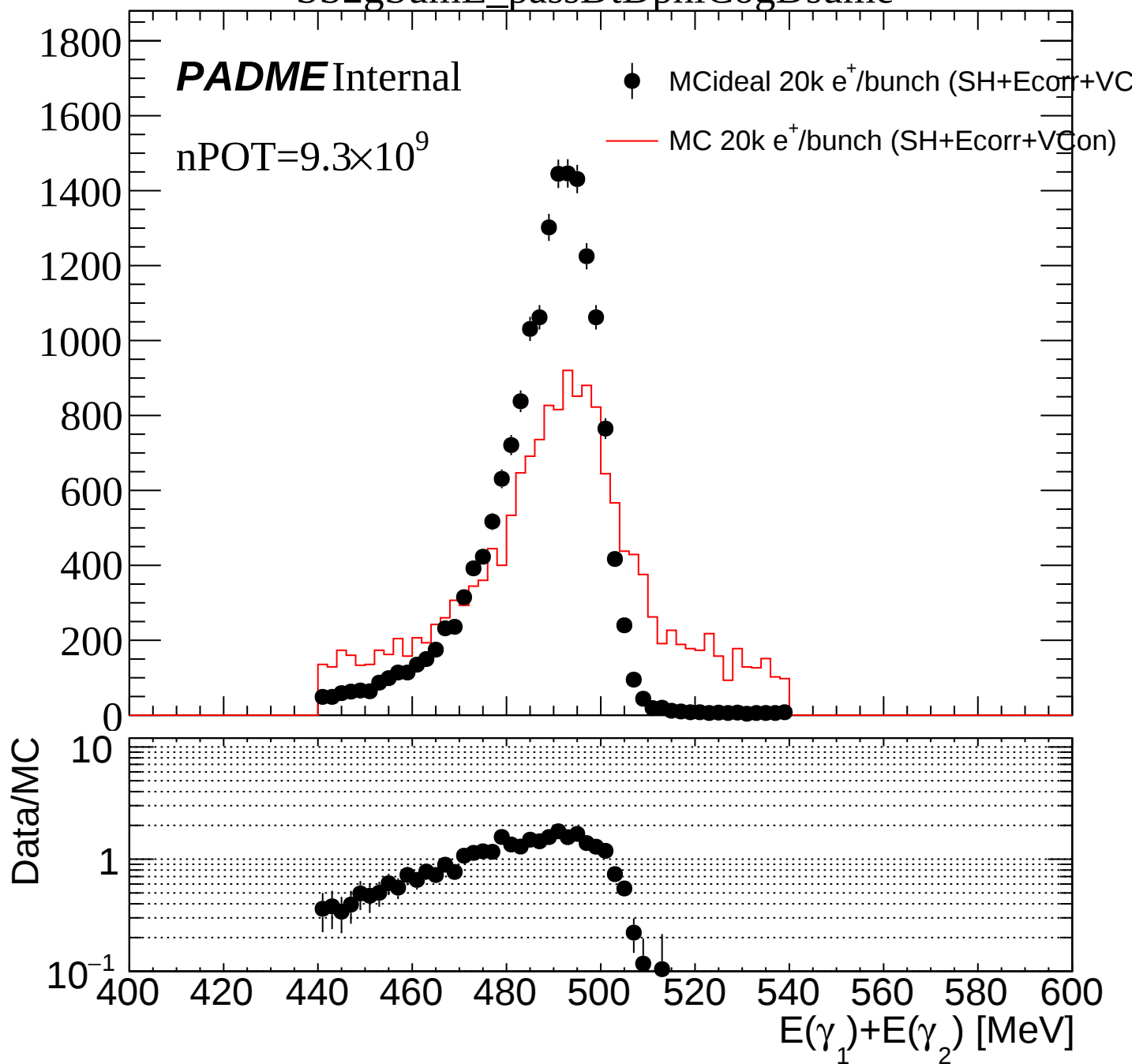
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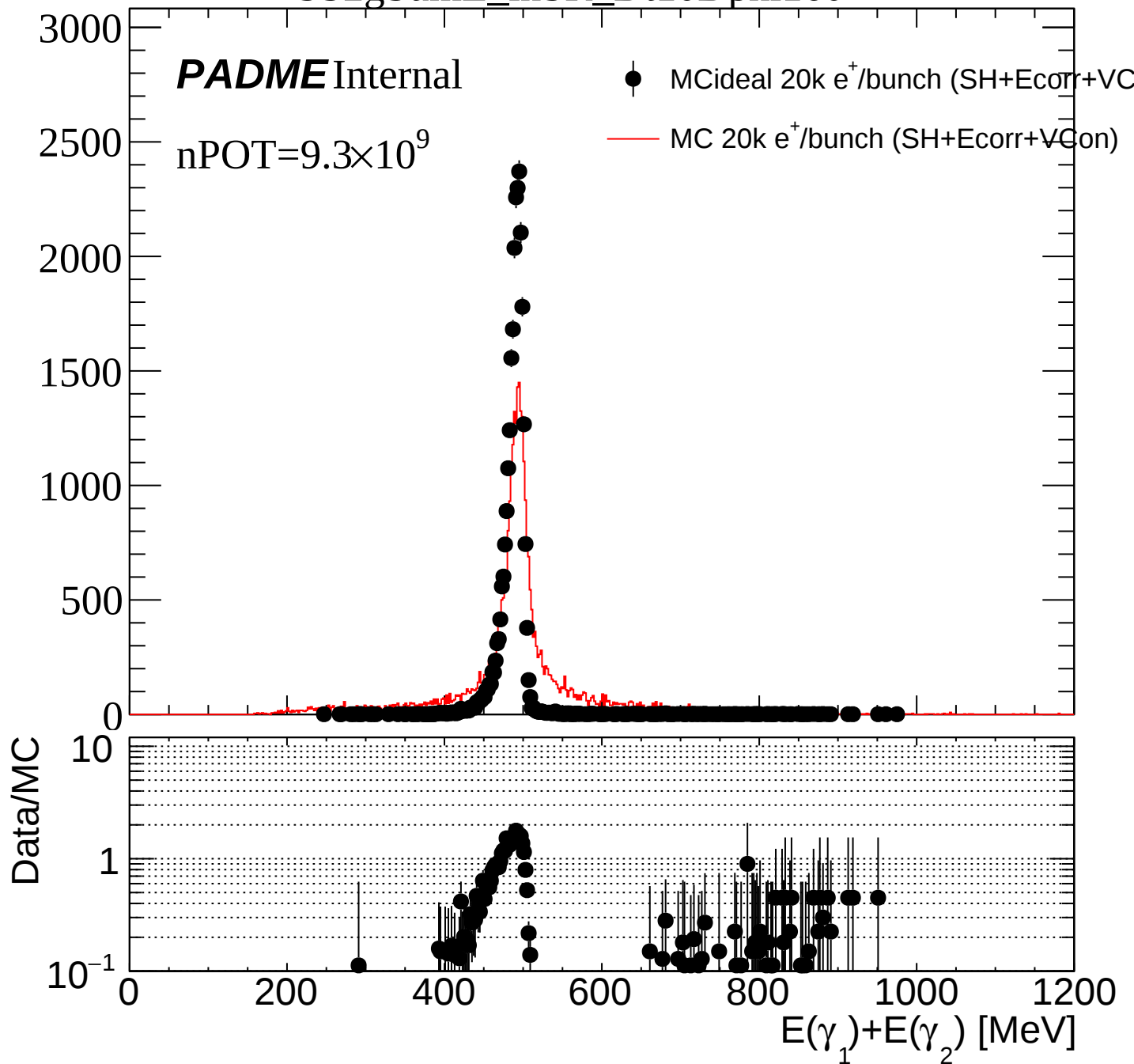
SS2gSumE_passDtDphiCogFR



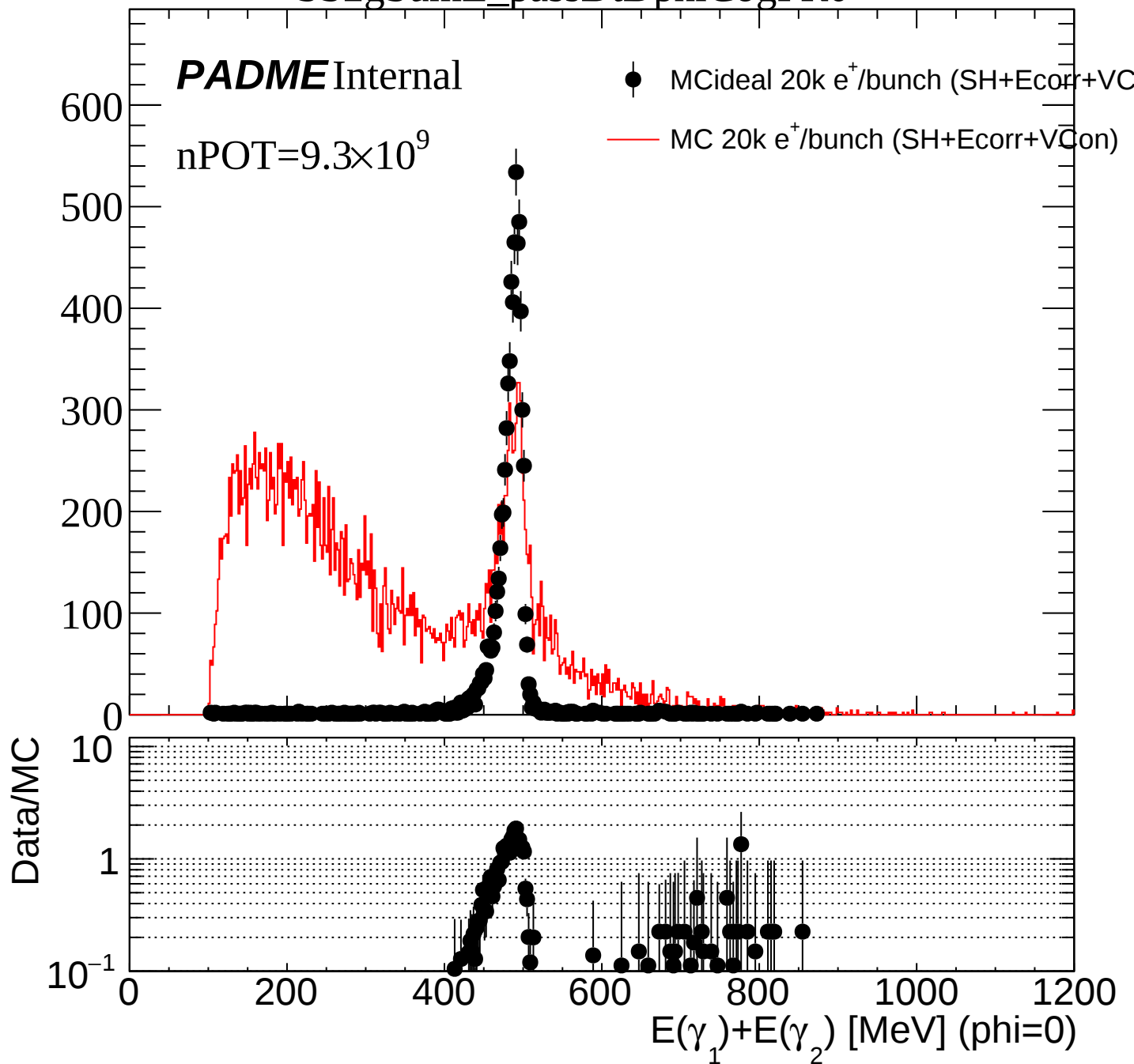
SS2gSumE_passDtDphiCogDsume



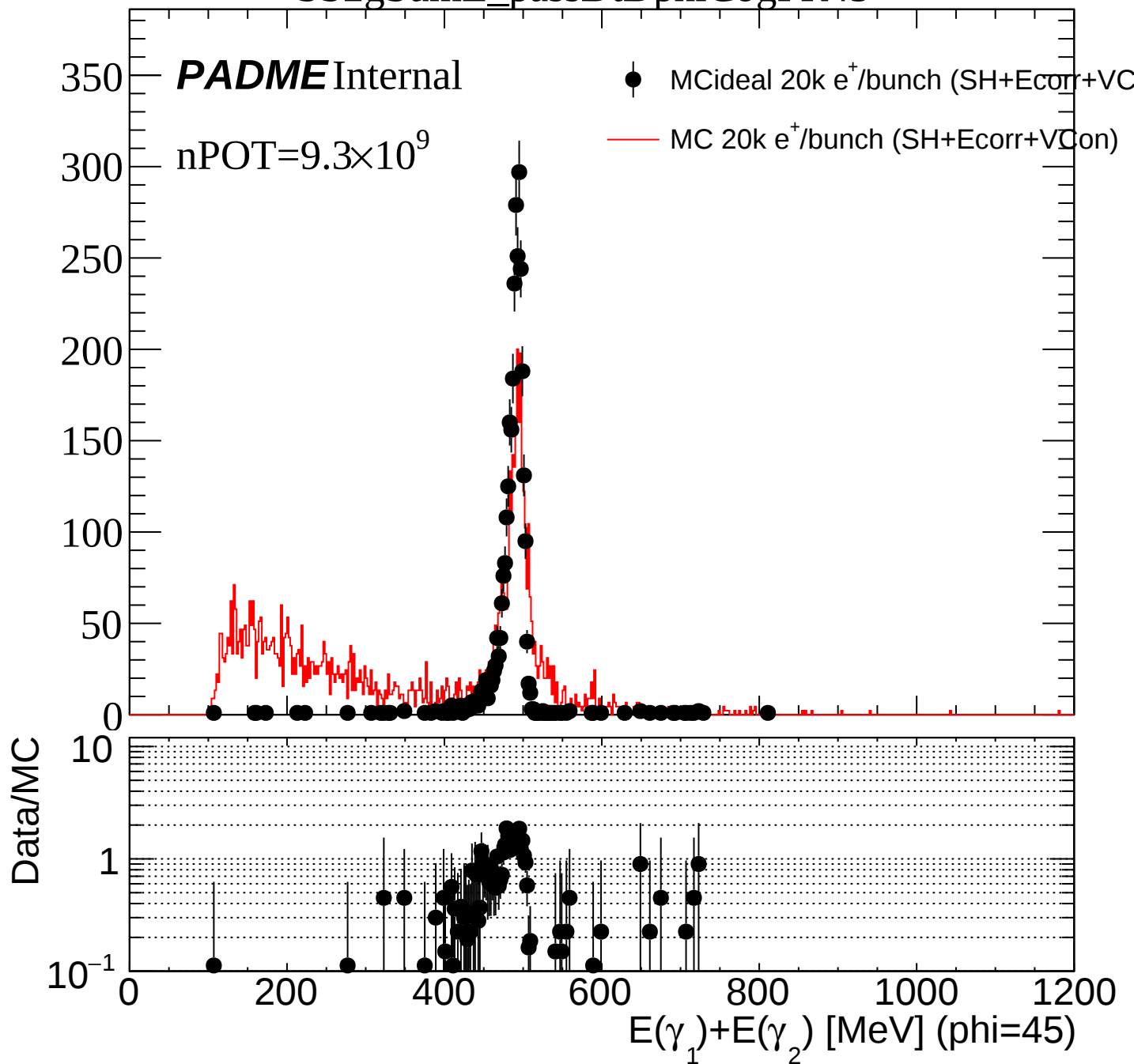
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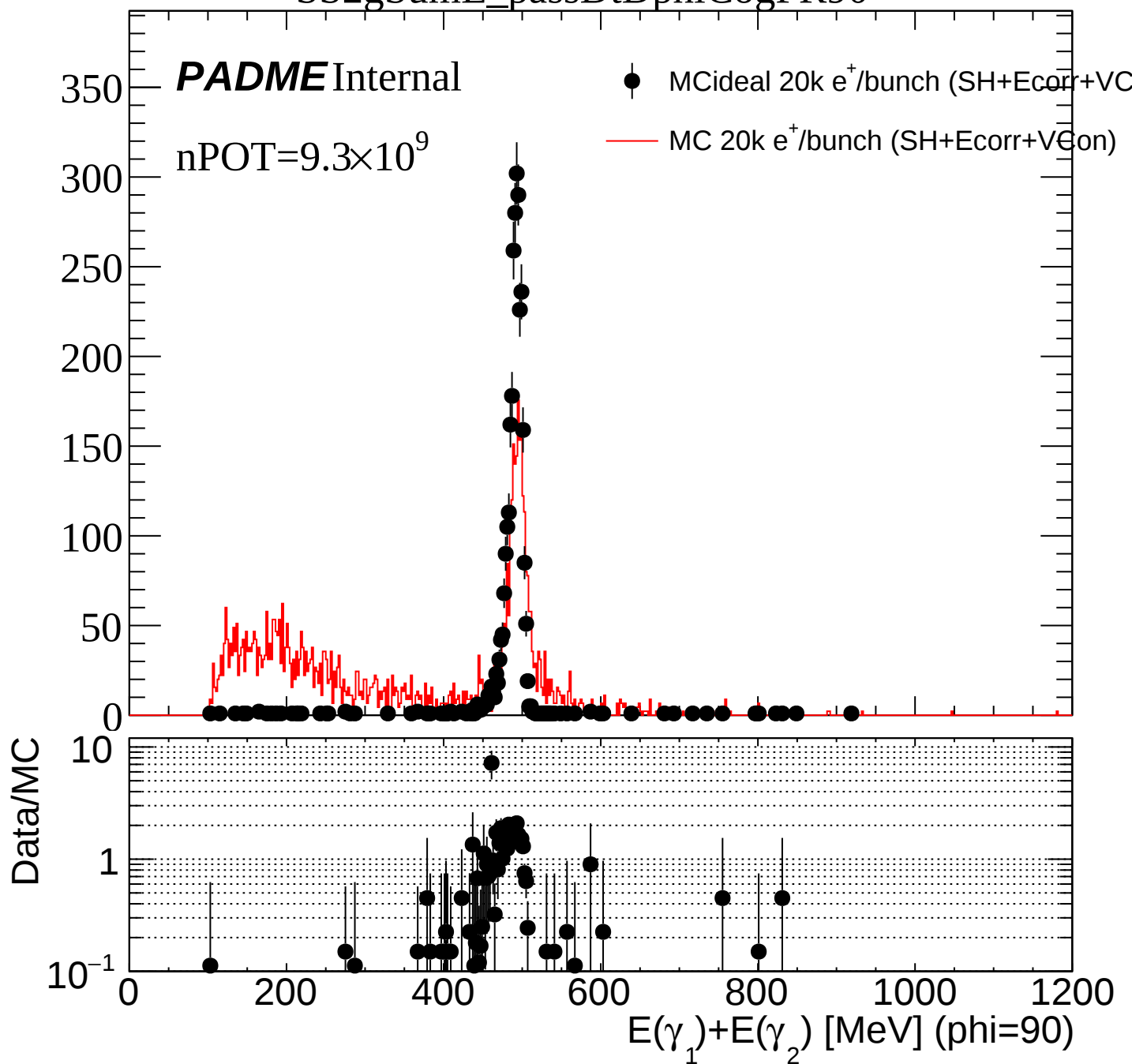
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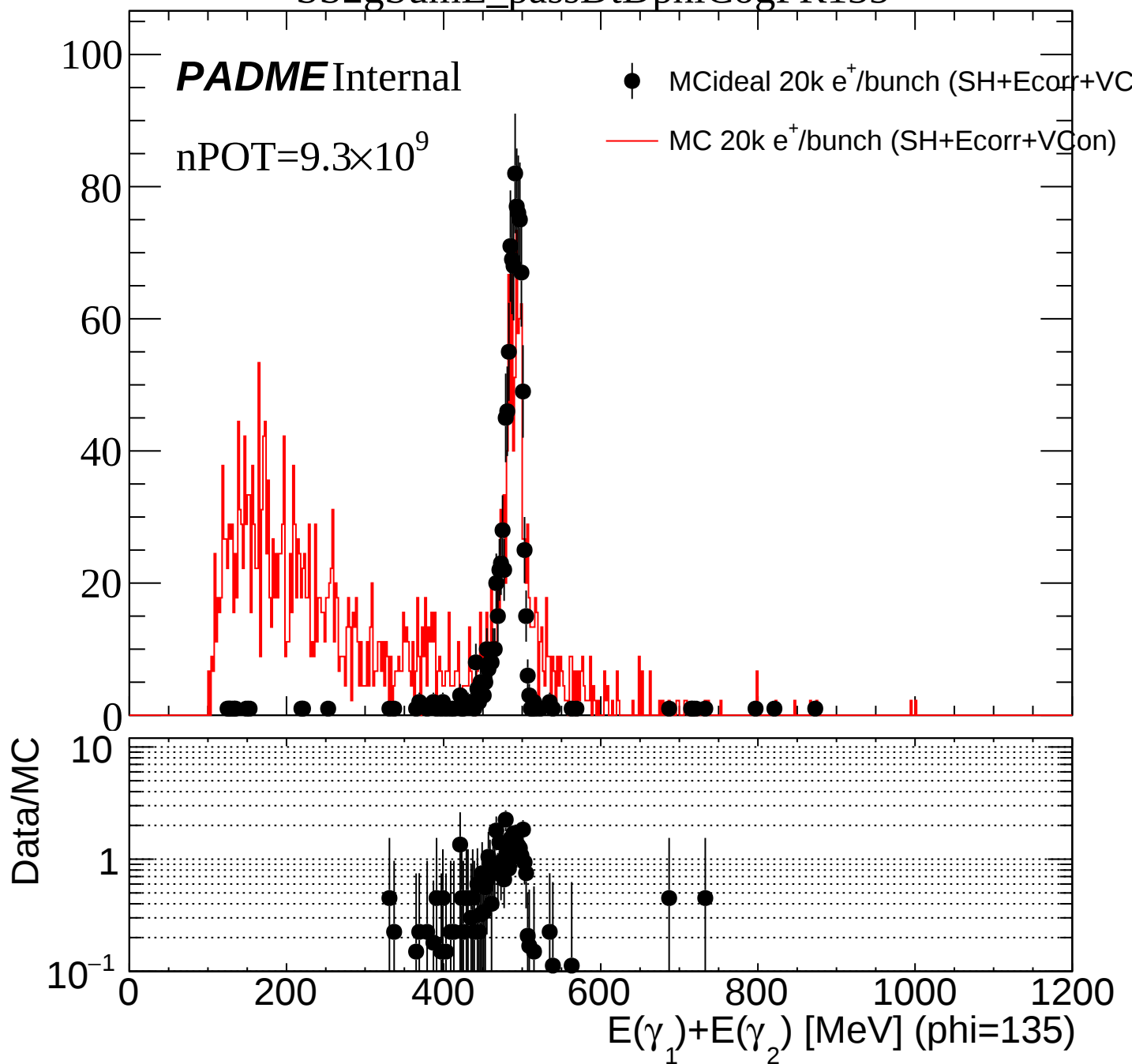
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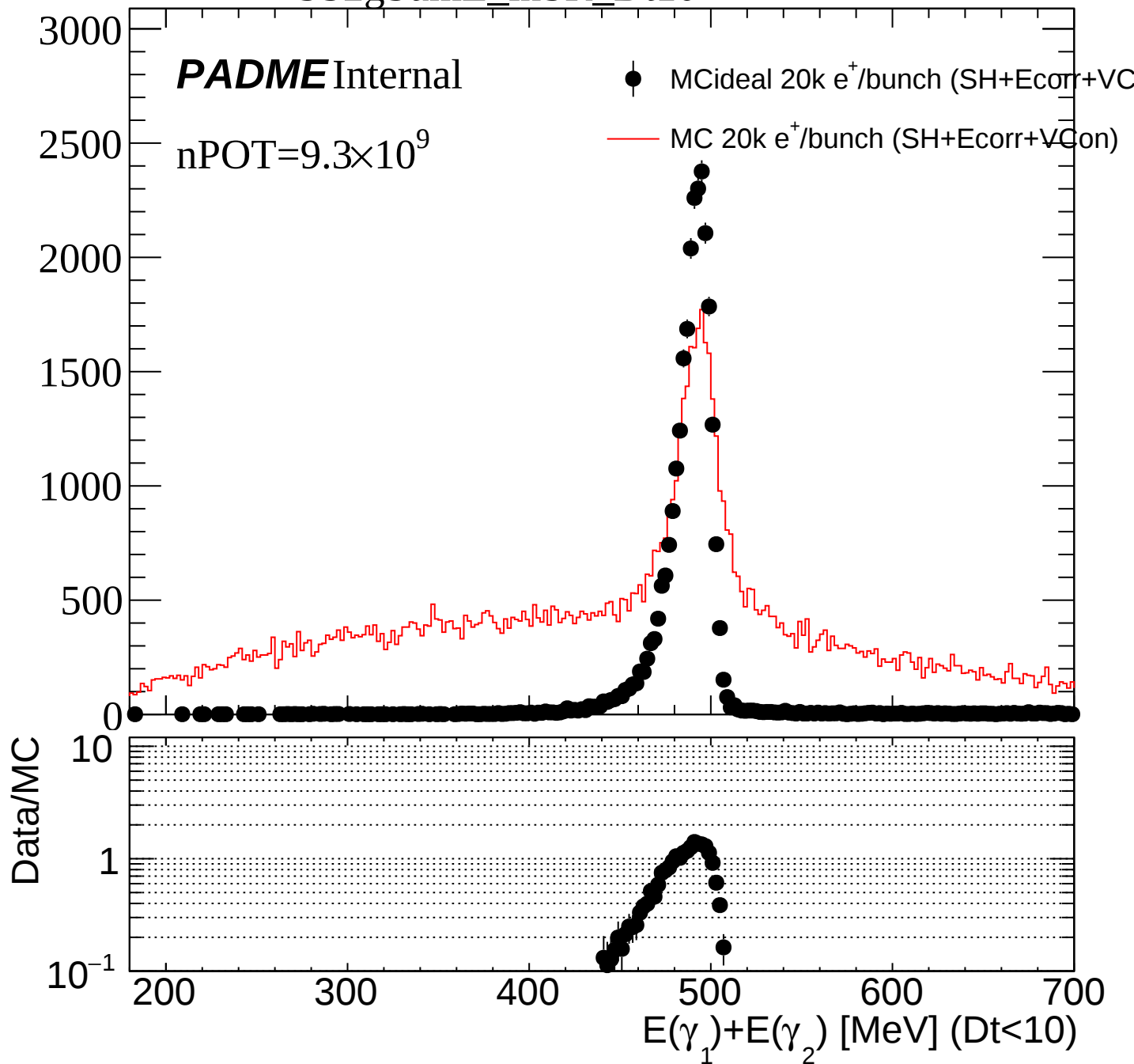
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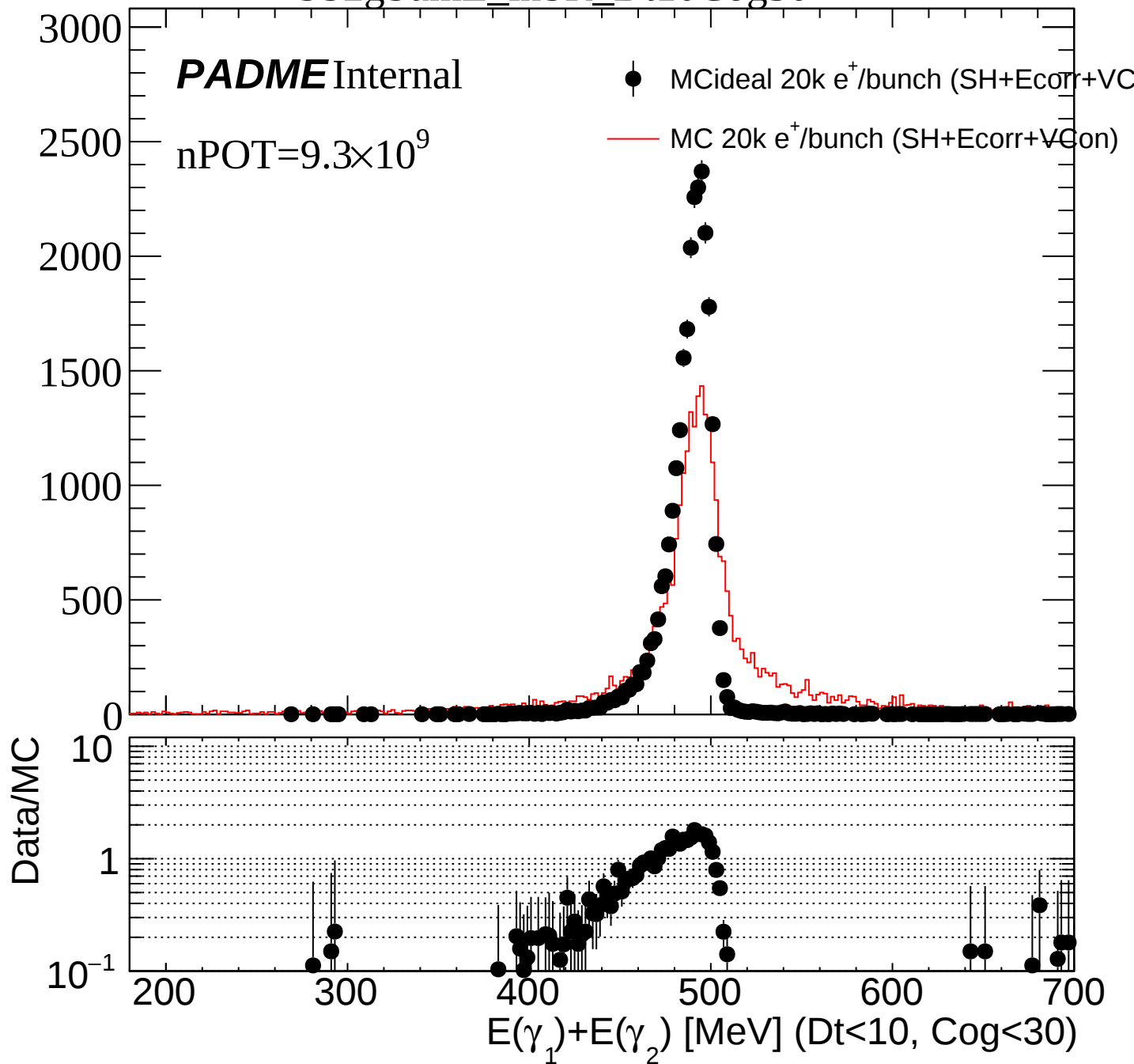
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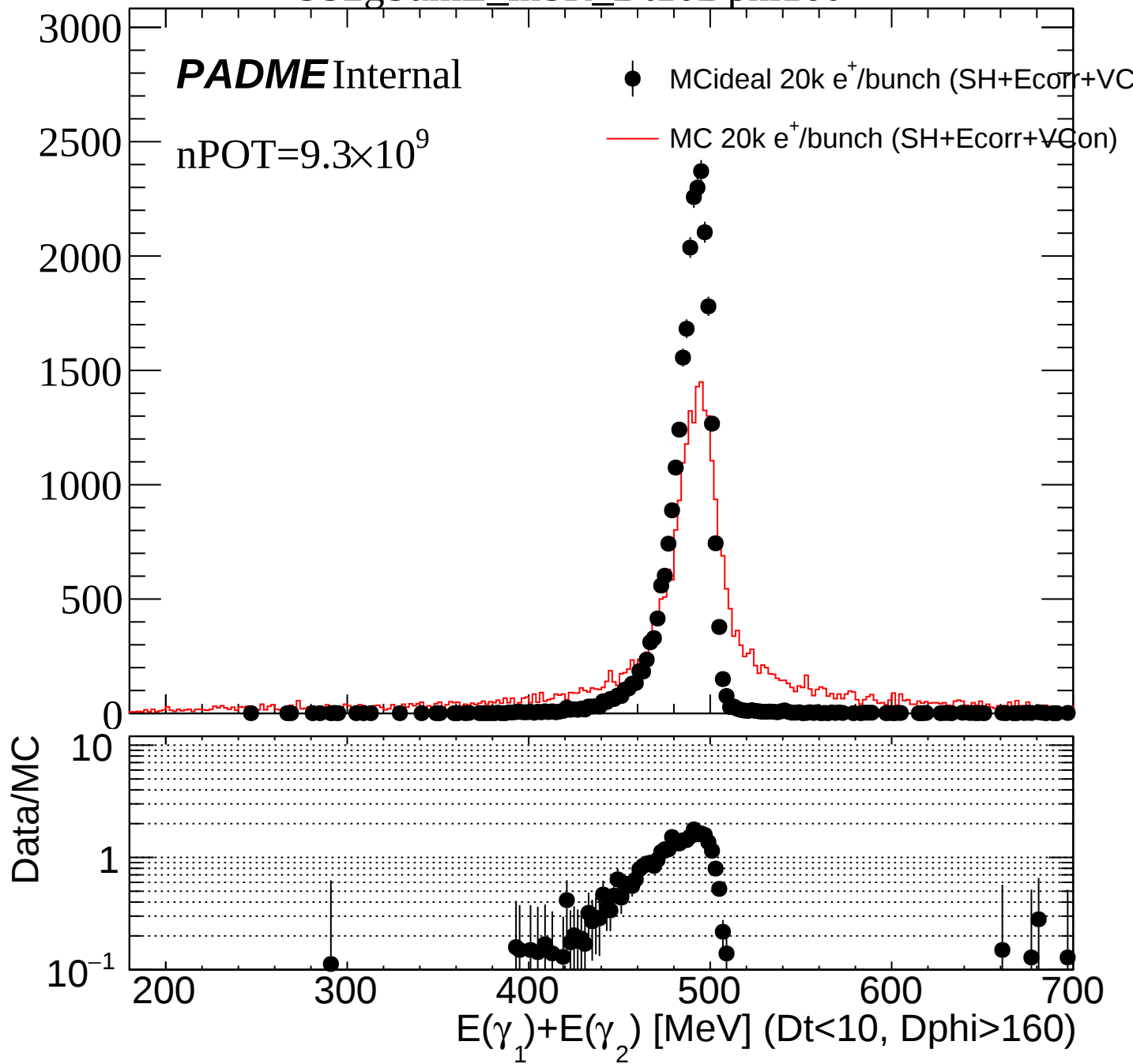
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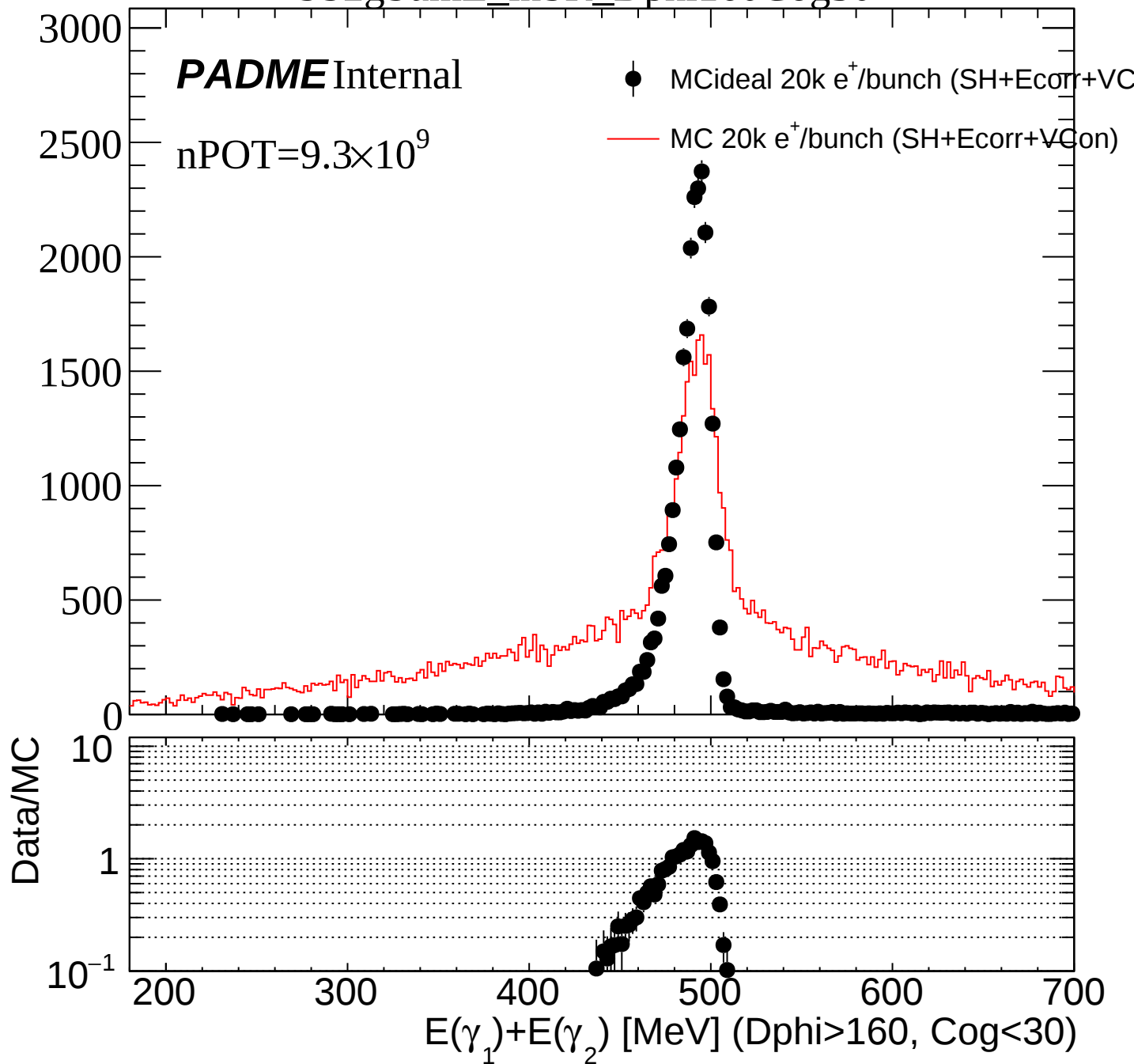
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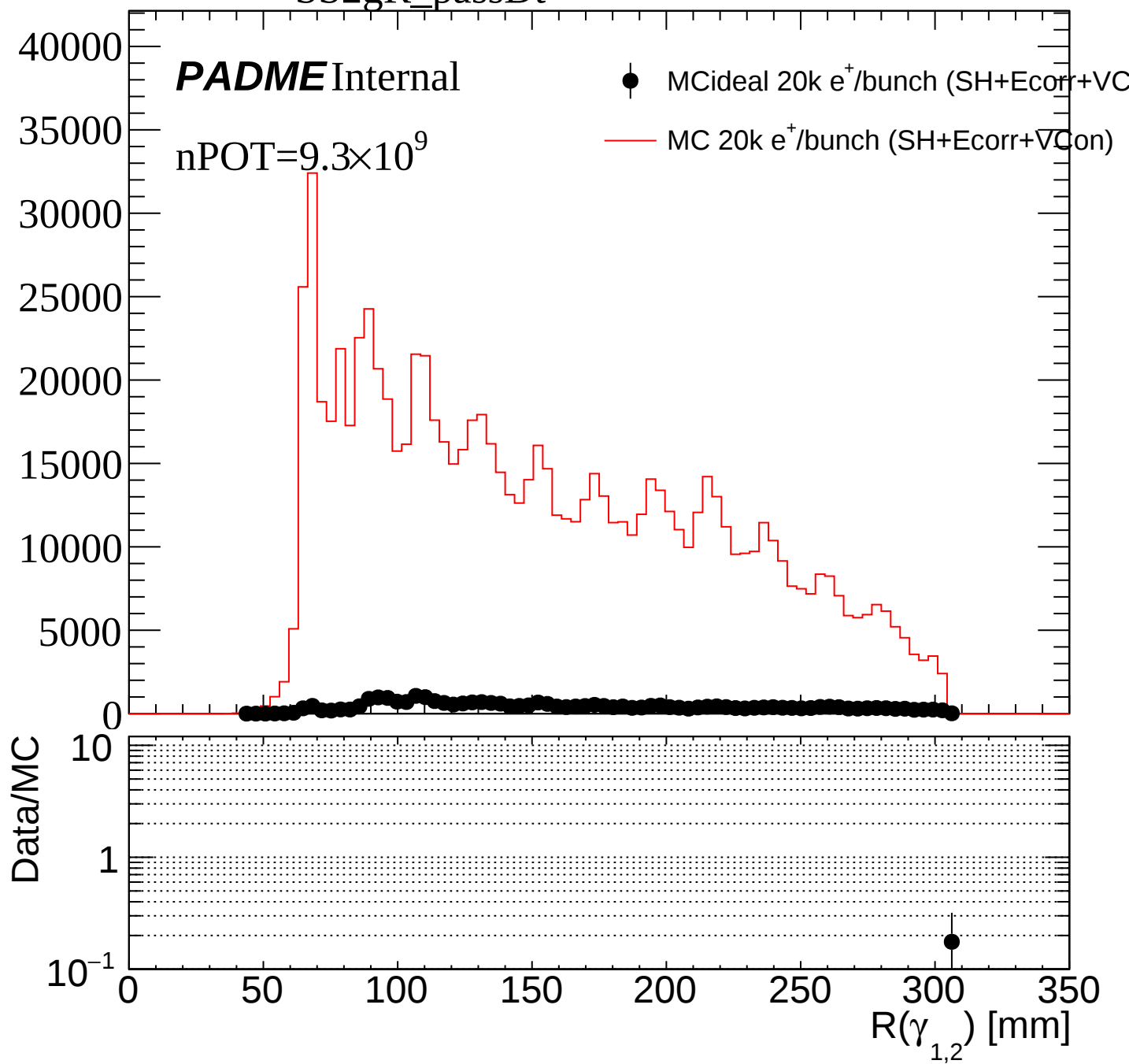
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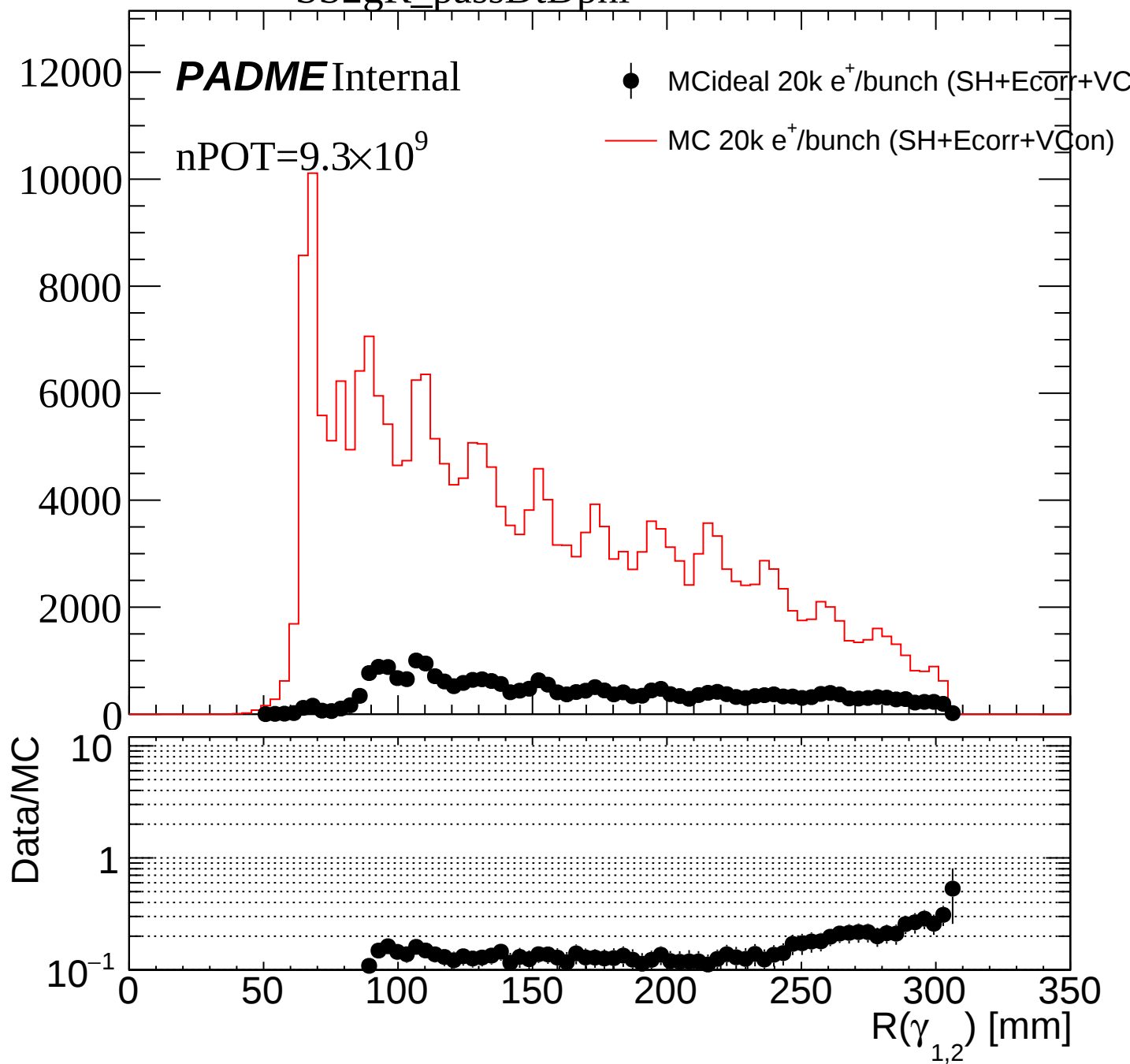
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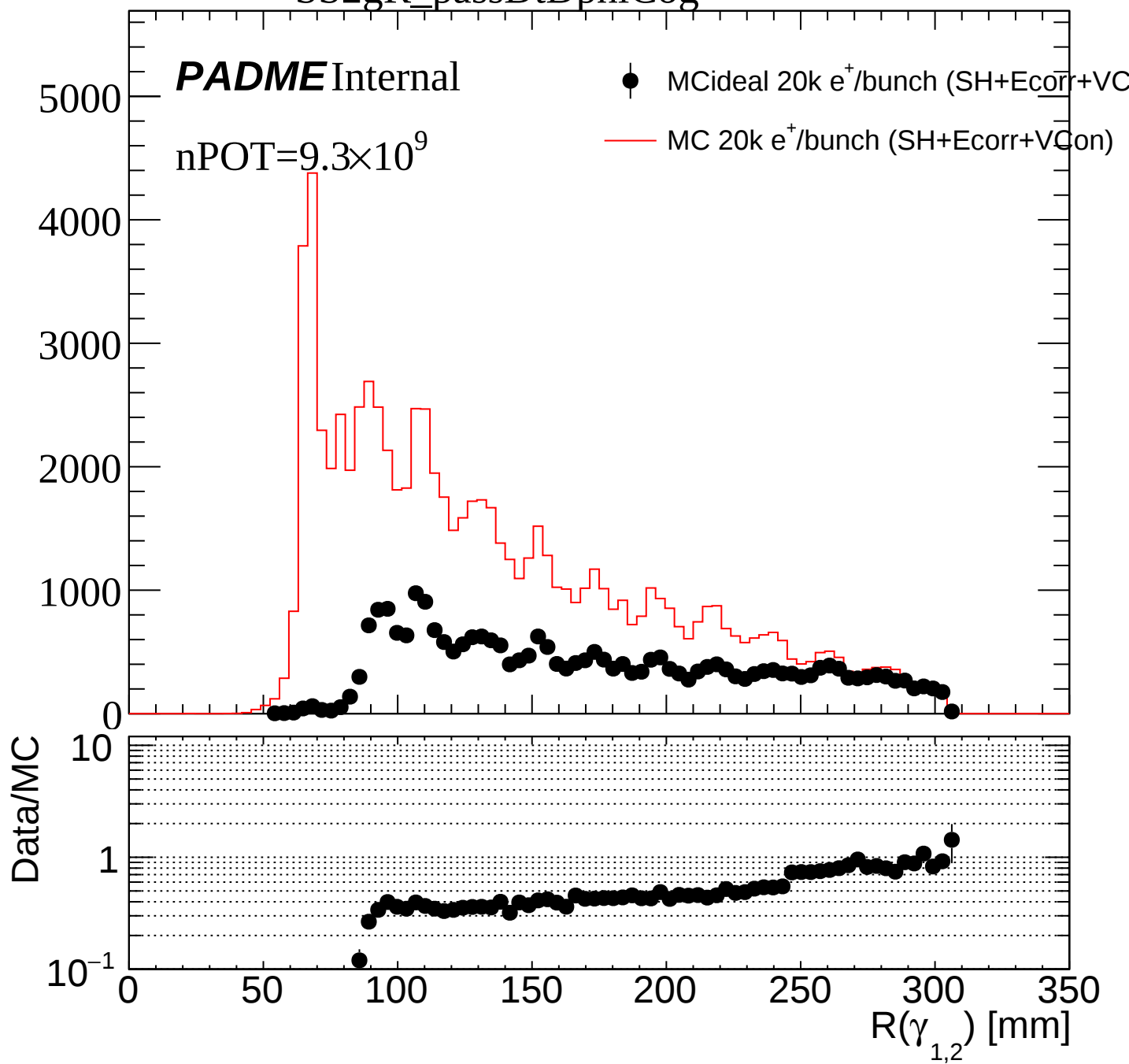
SS2gR_passDt



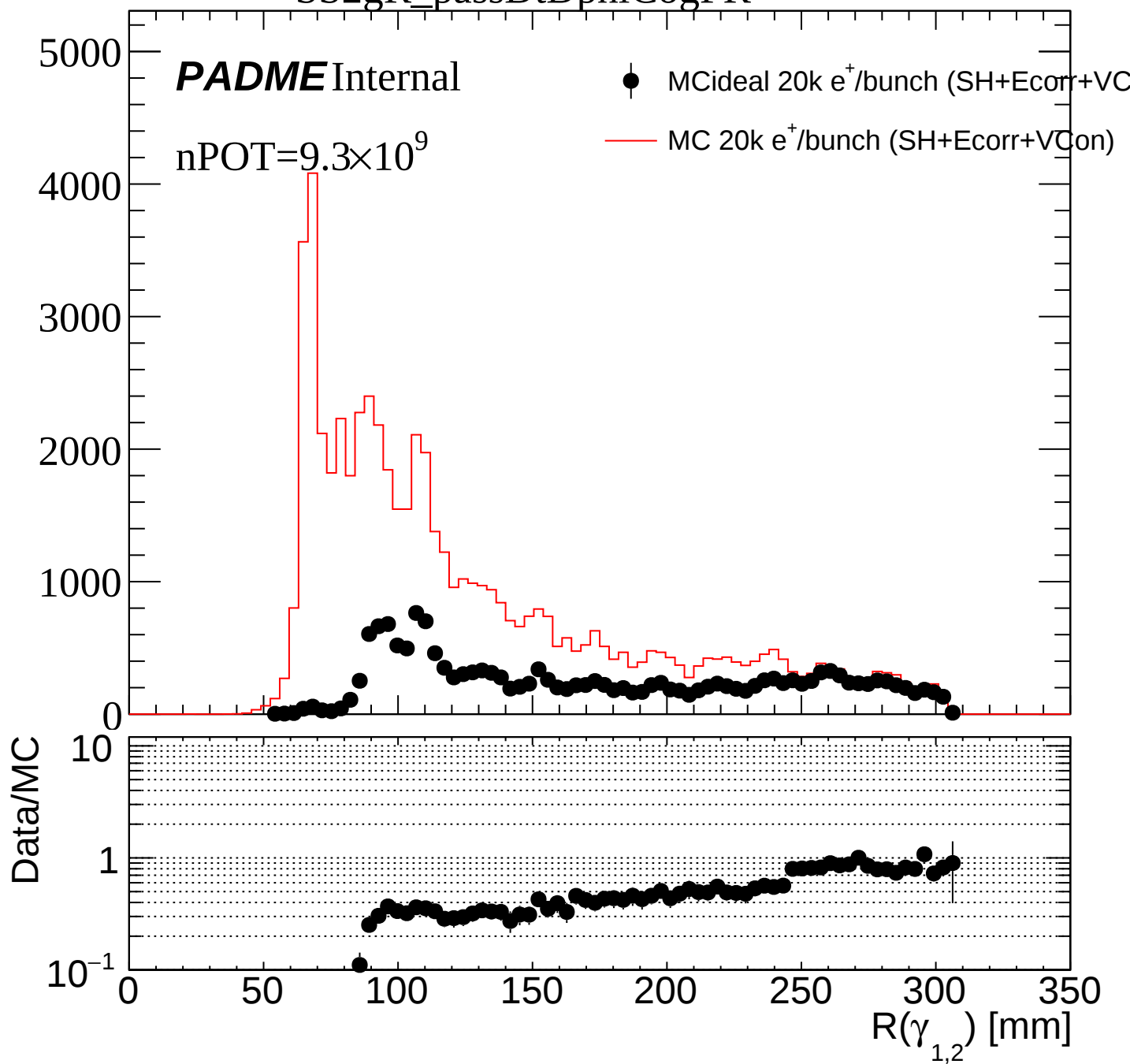
SS2gR_passDtDphi



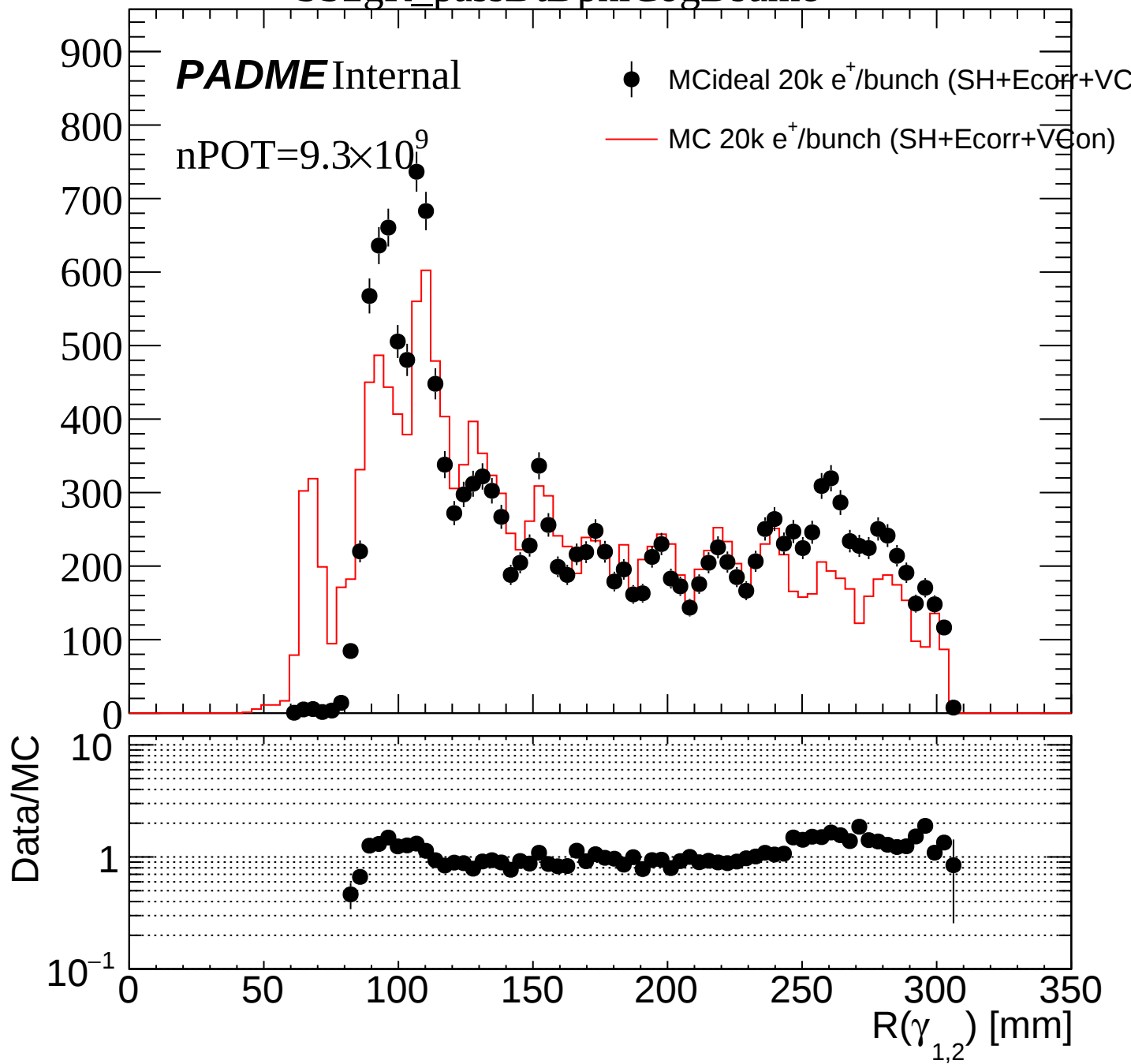
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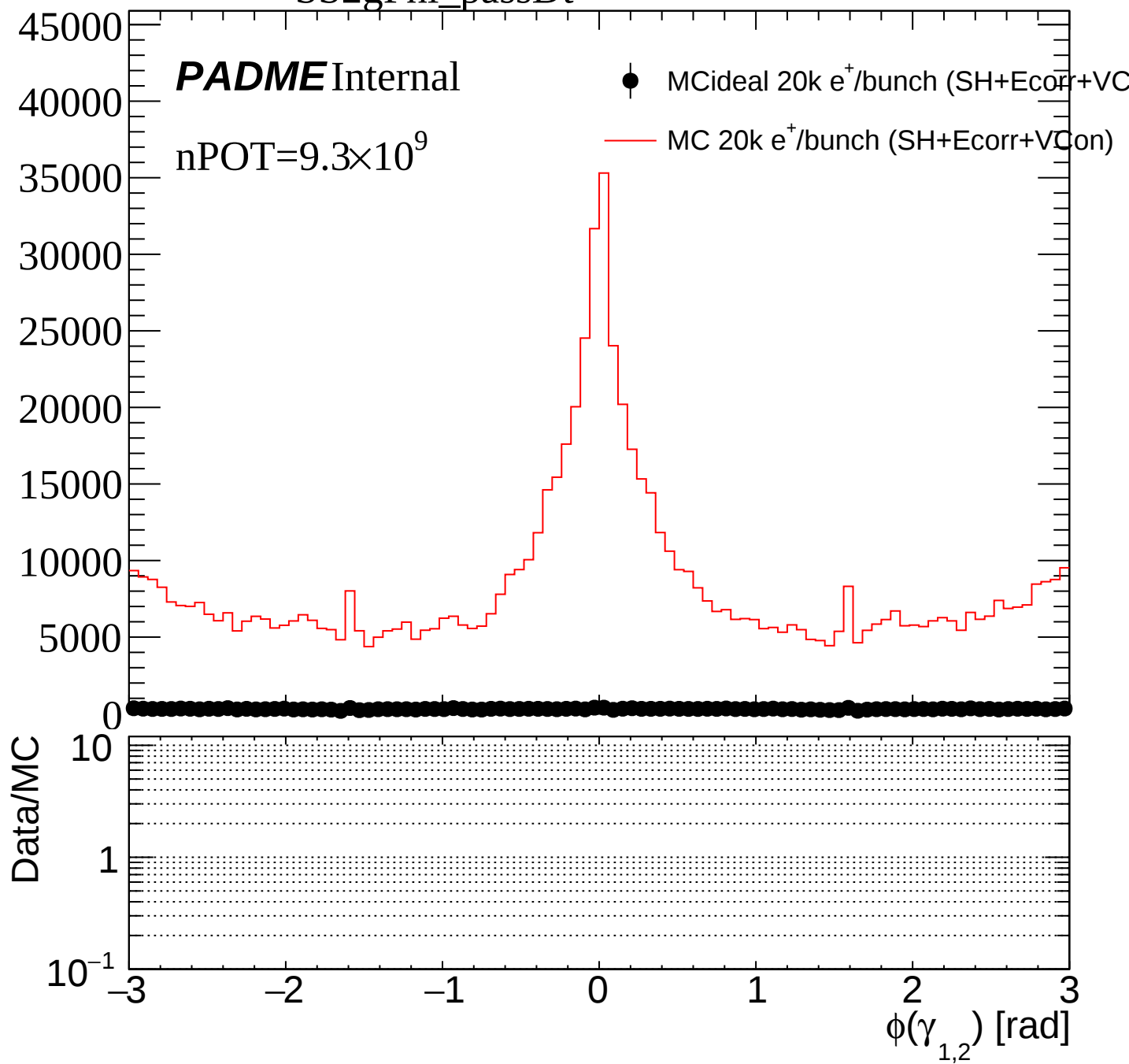
SS2gR_passDtDphiCogFR



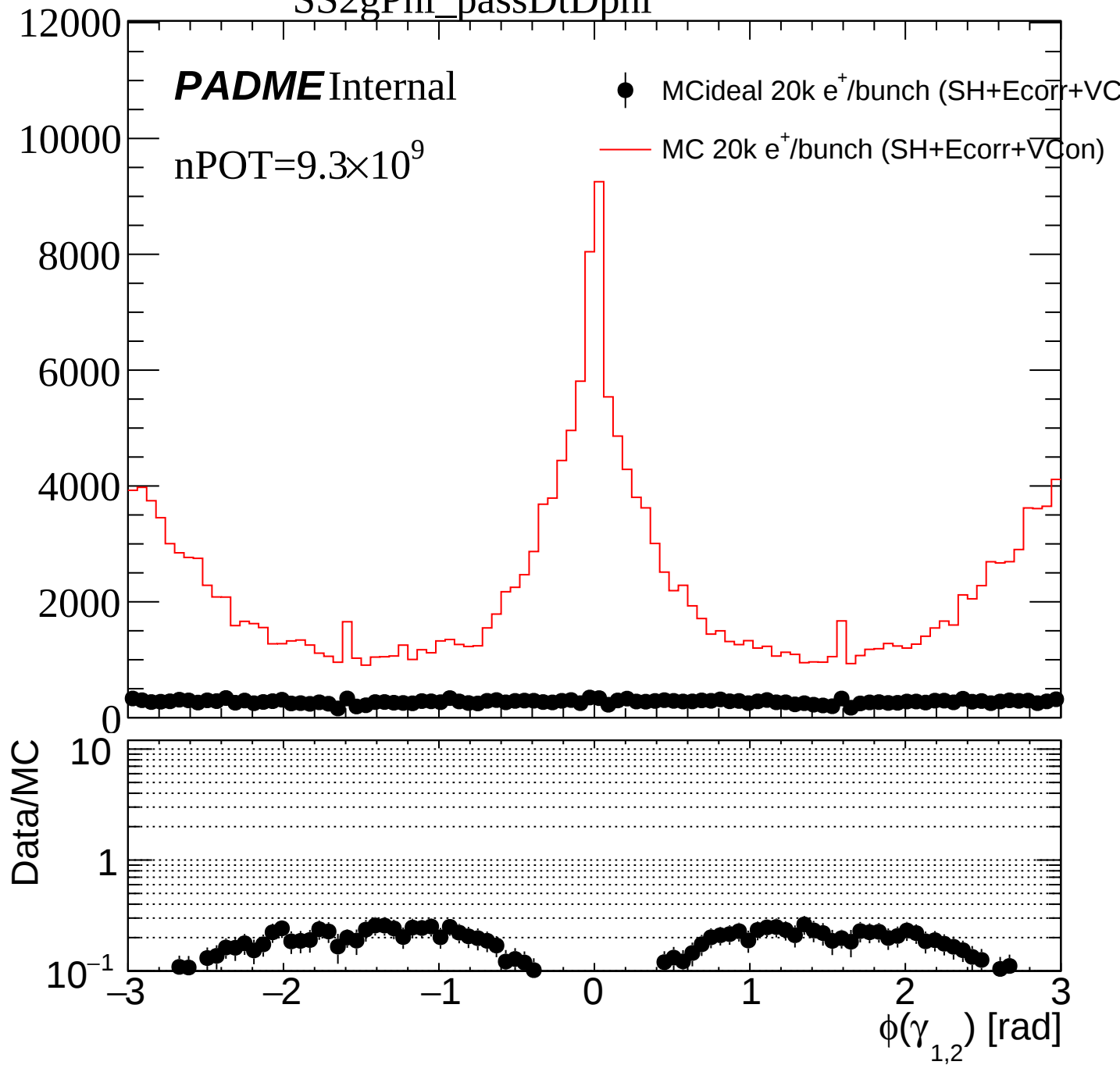
SS2gR_passDtDphiCogDsume



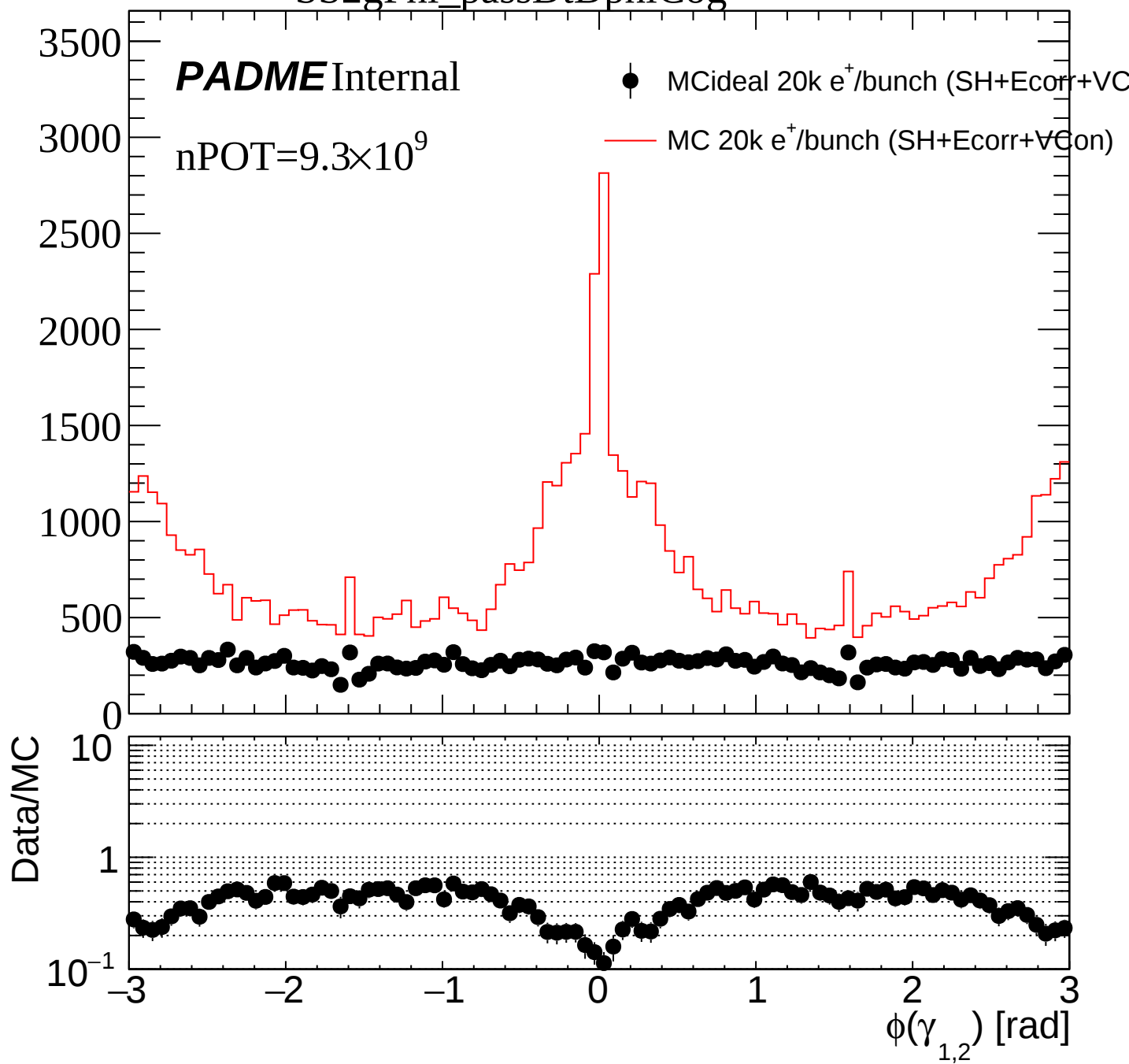
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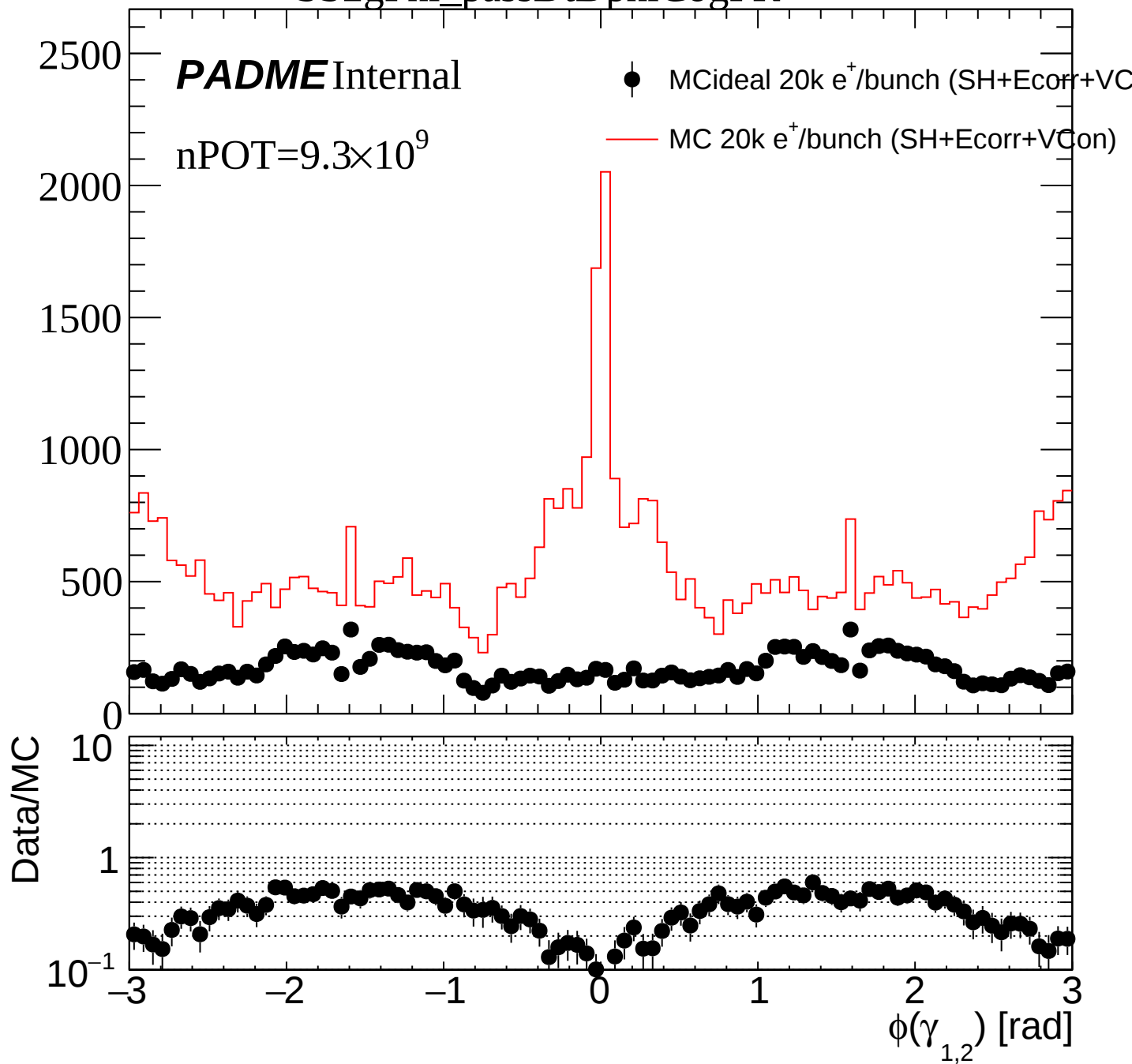
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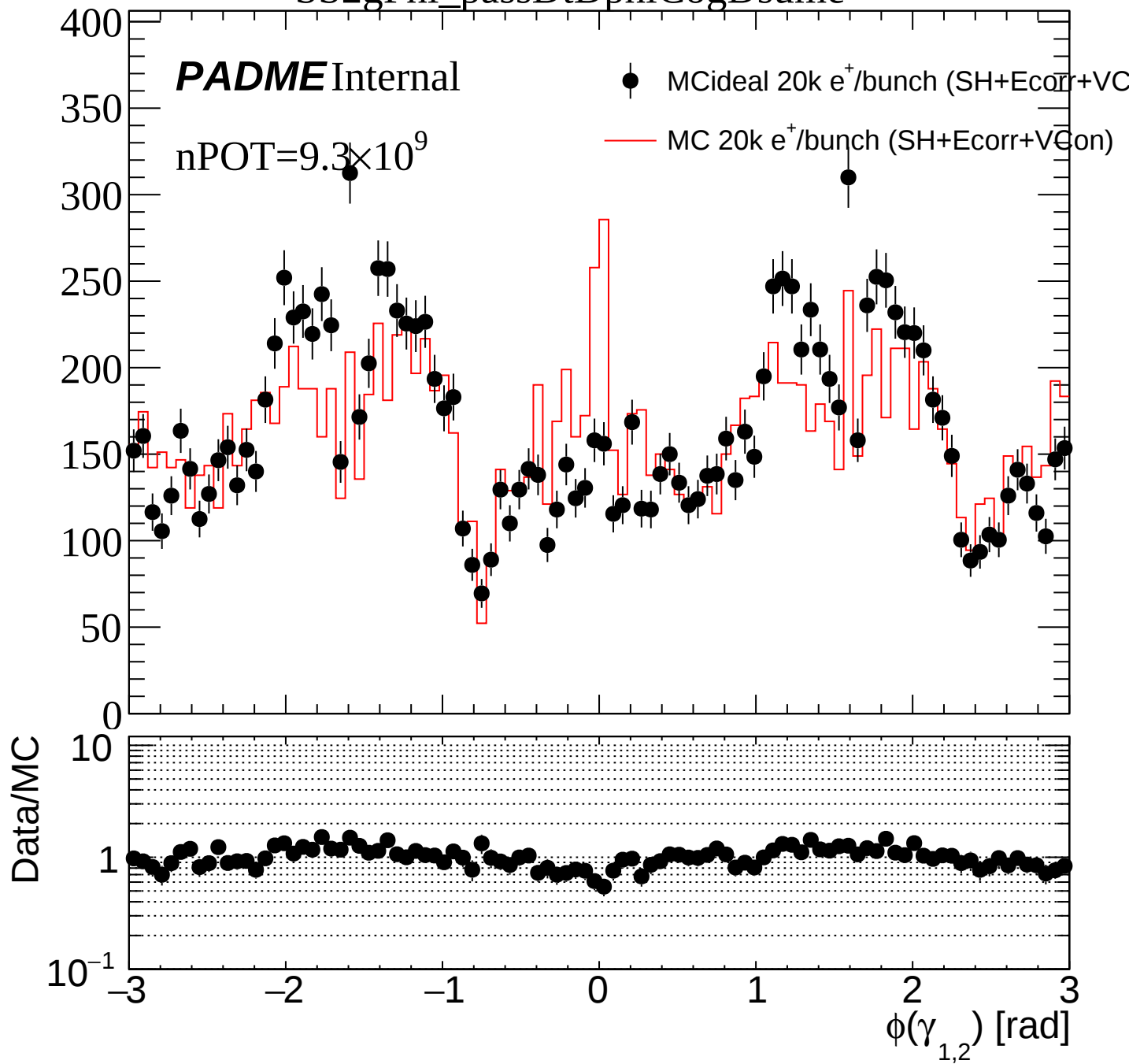
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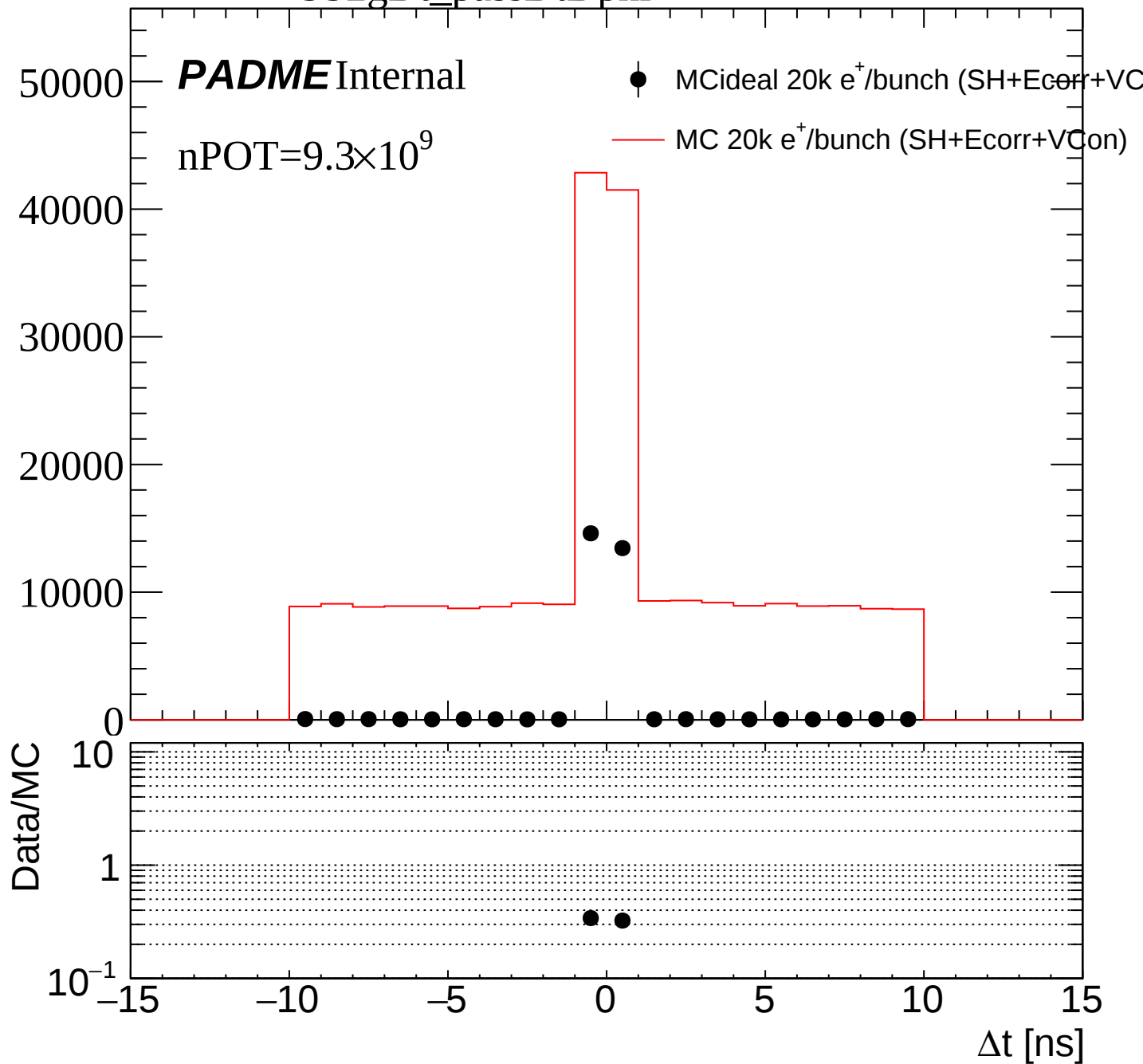
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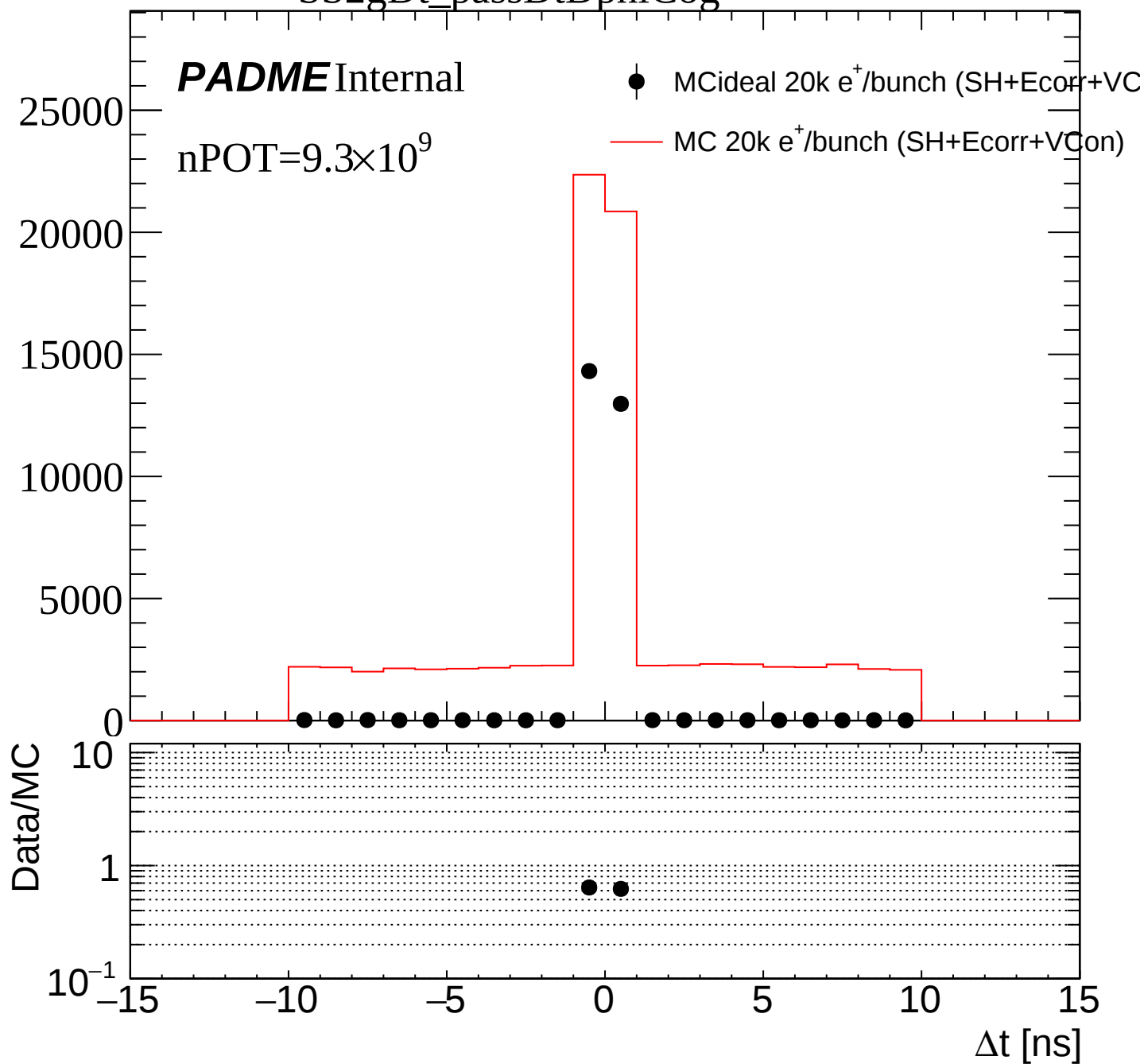
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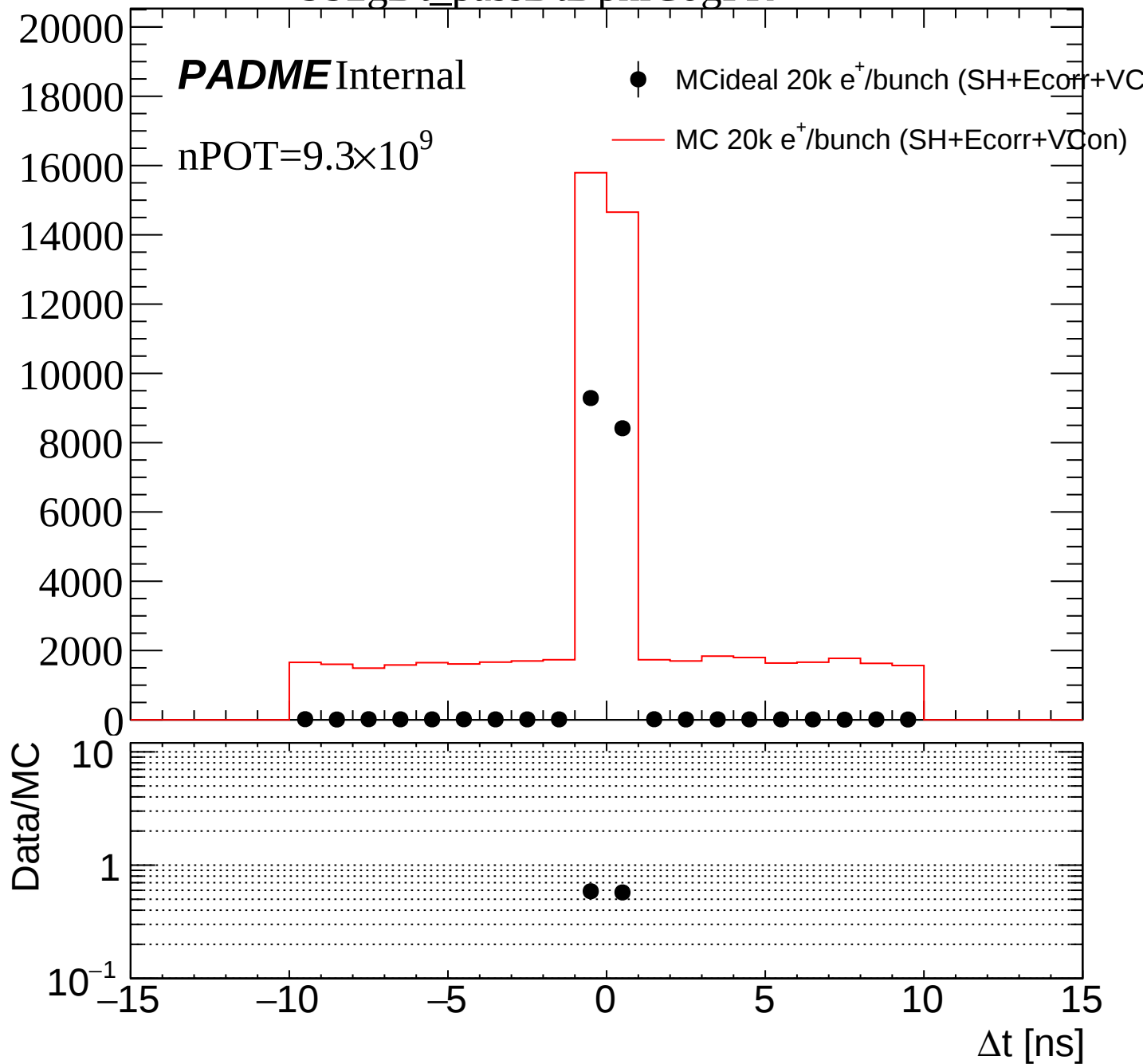
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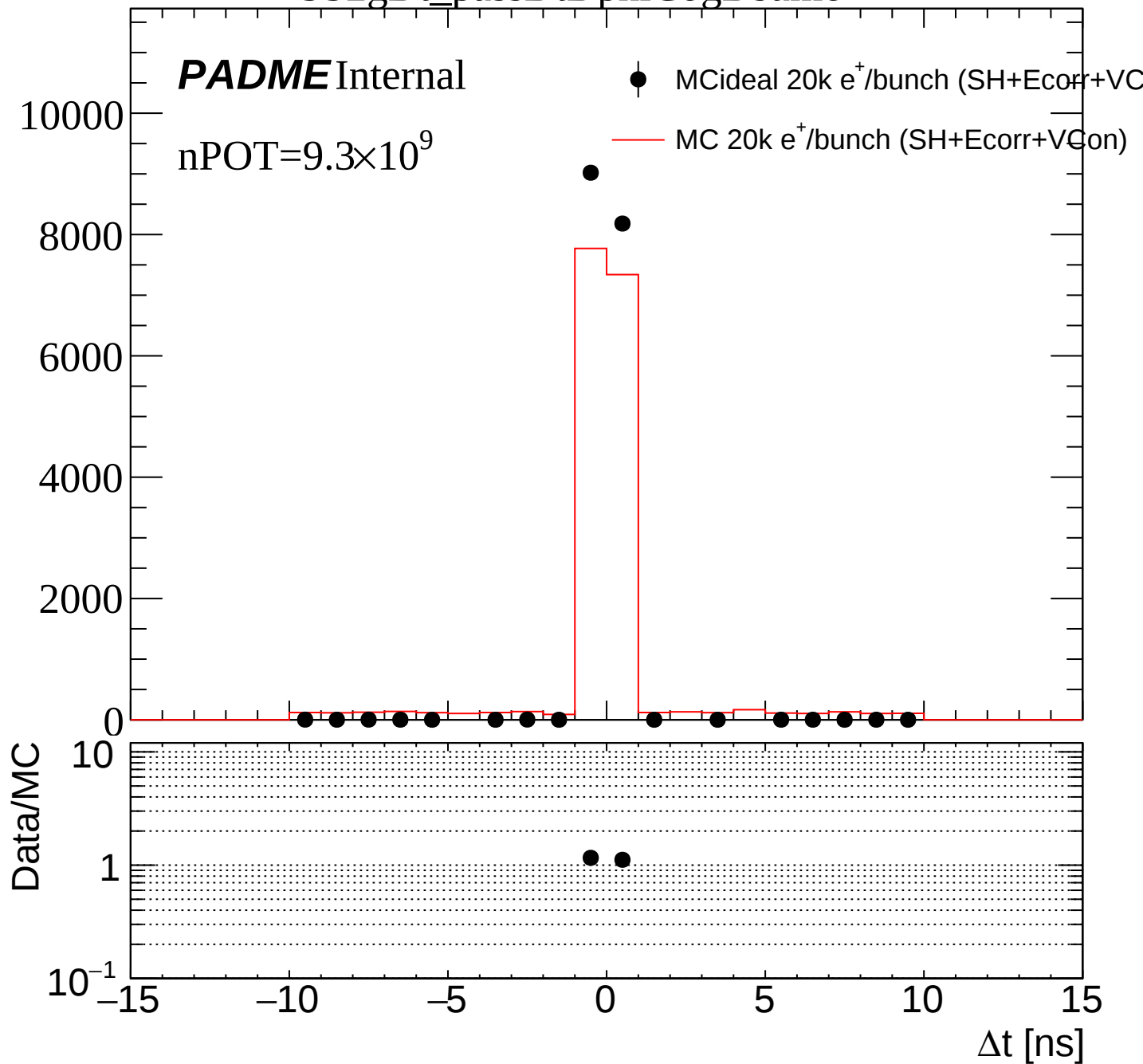
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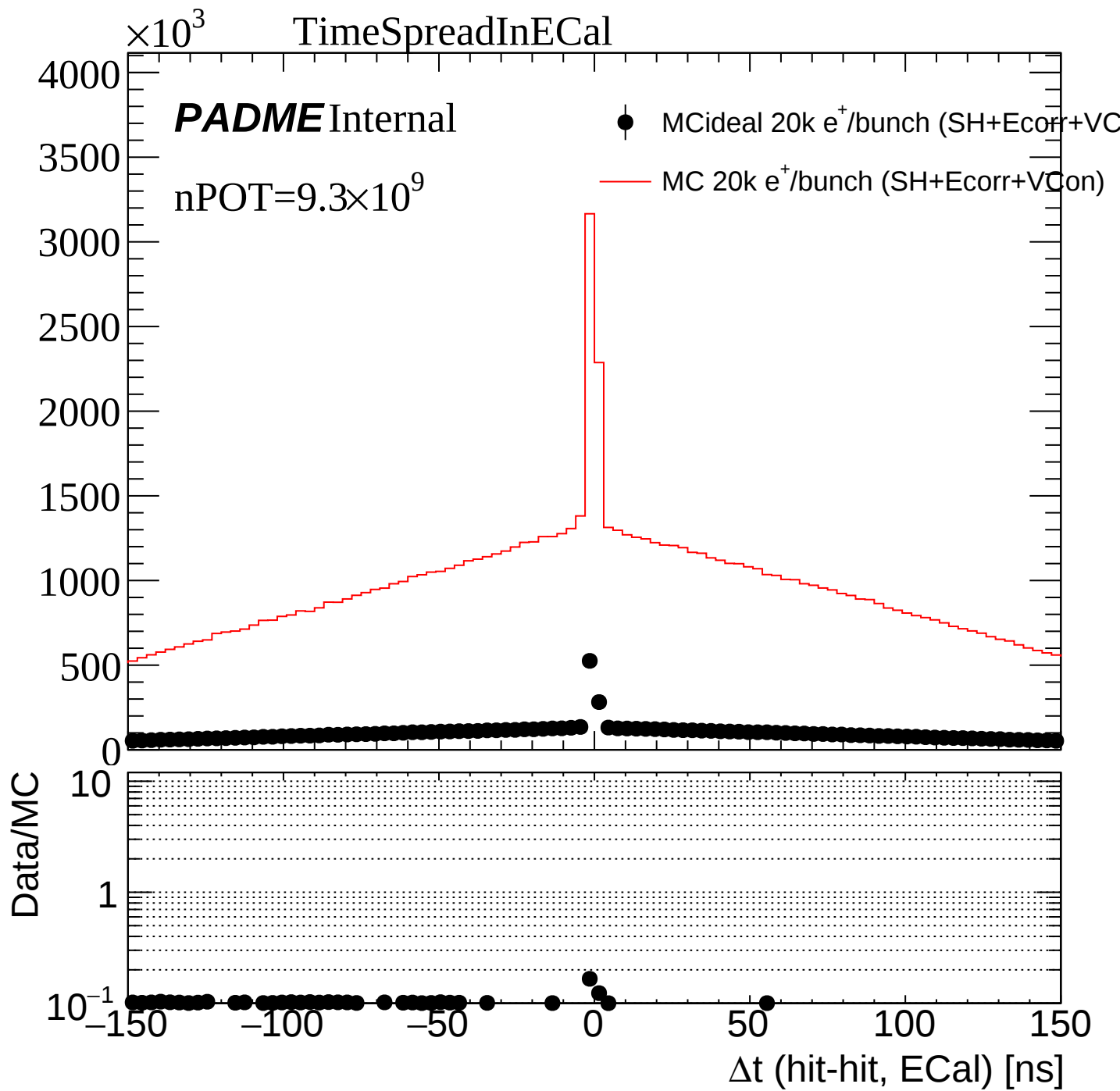


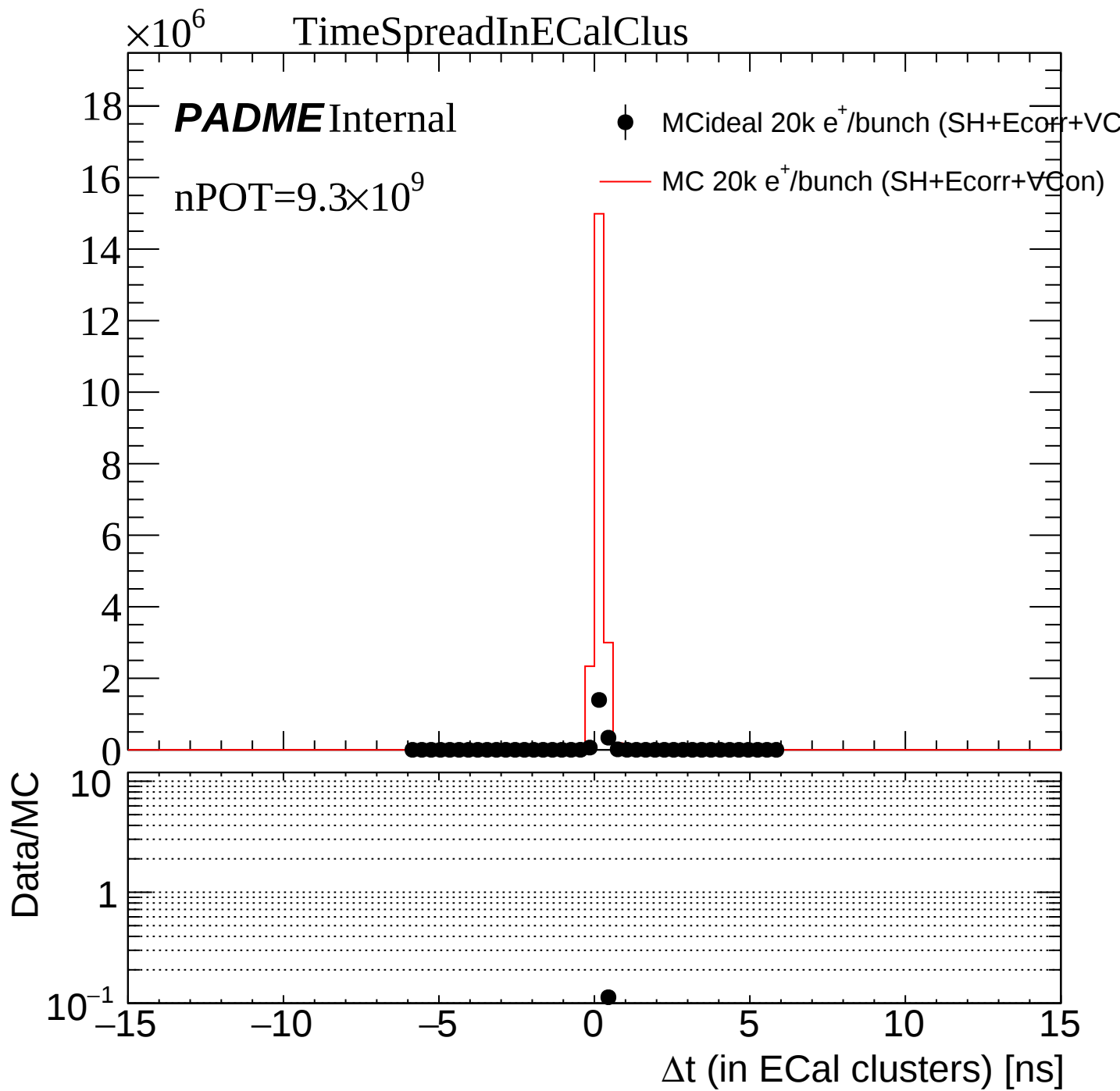
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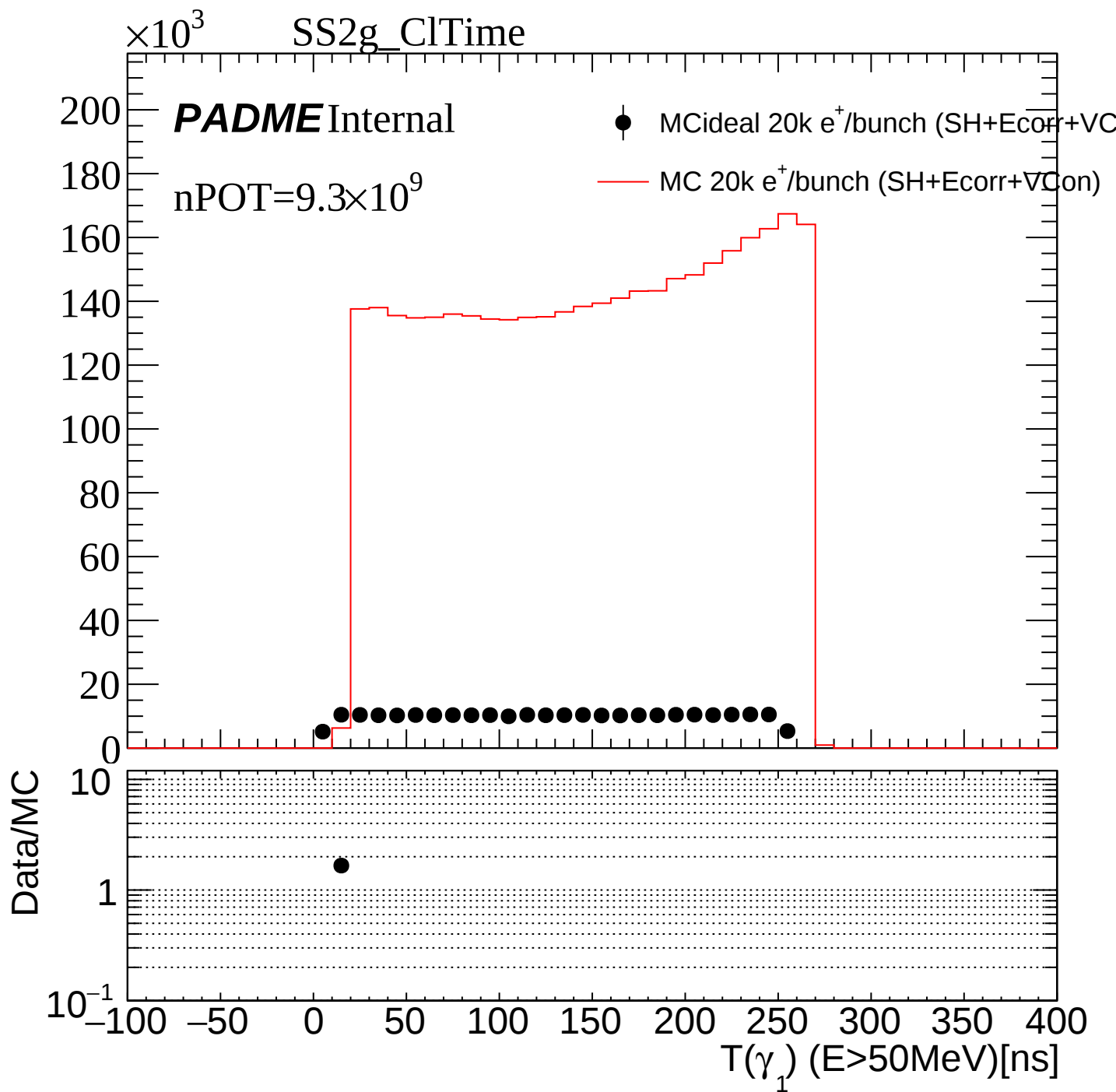


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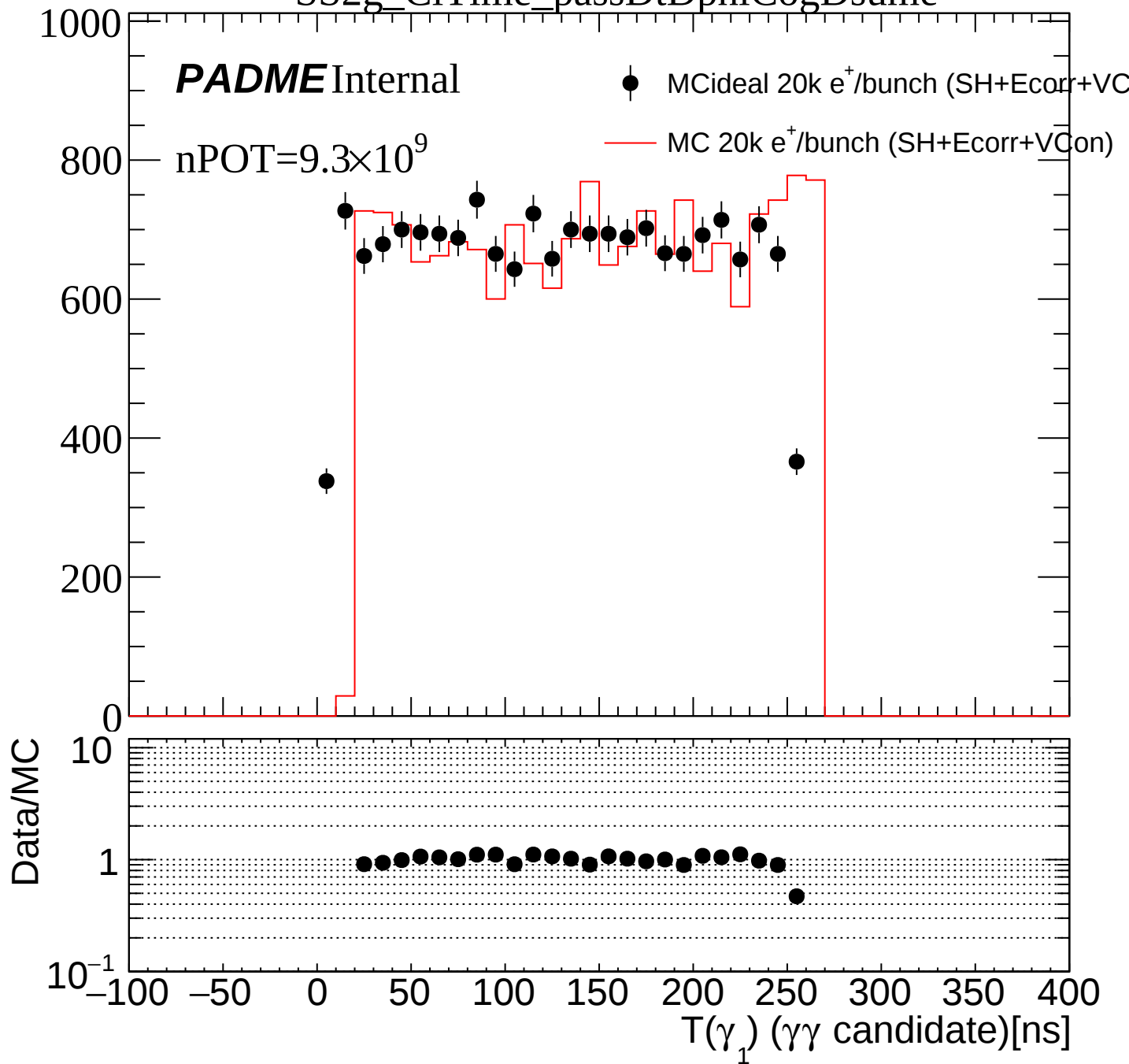




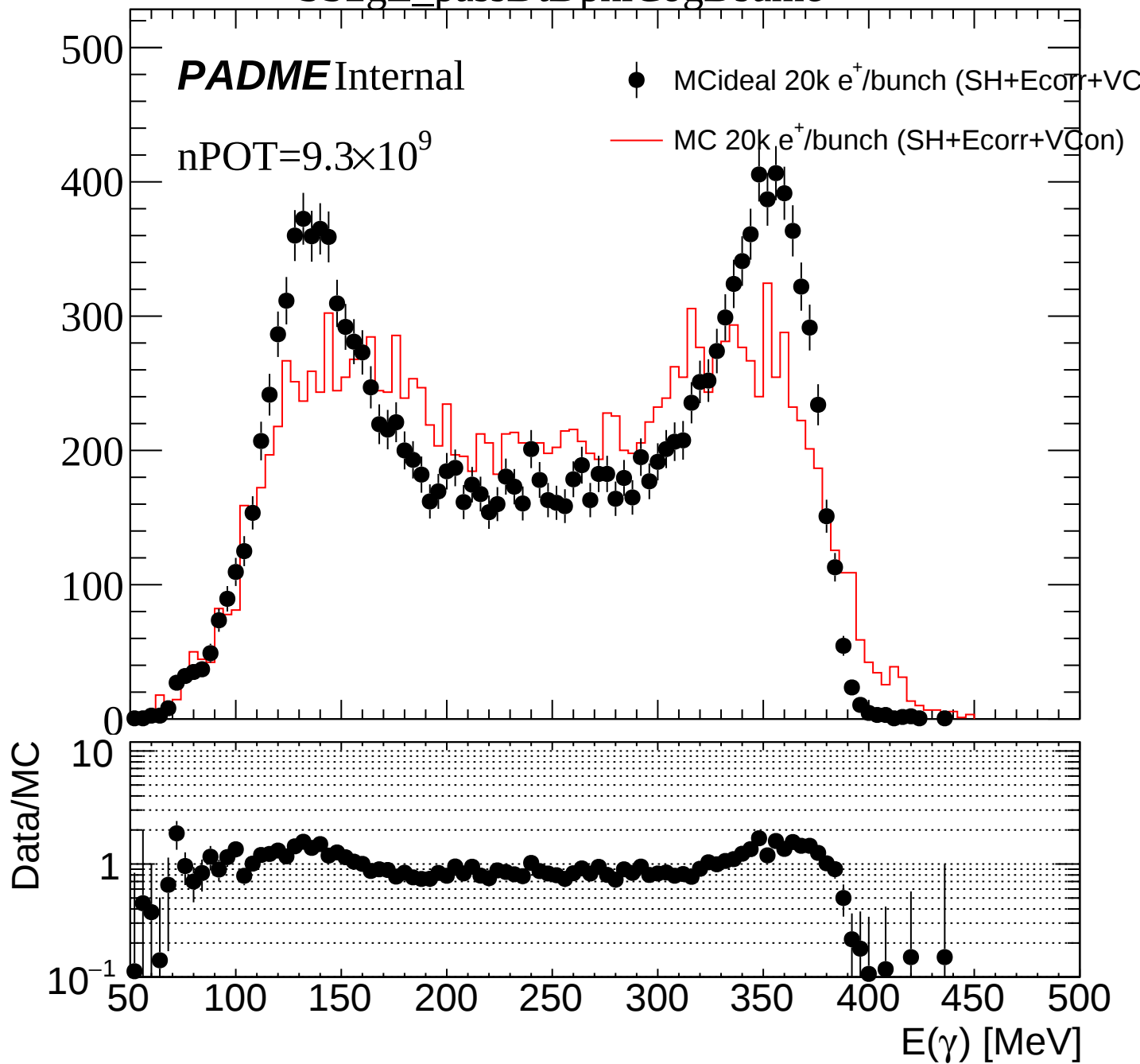




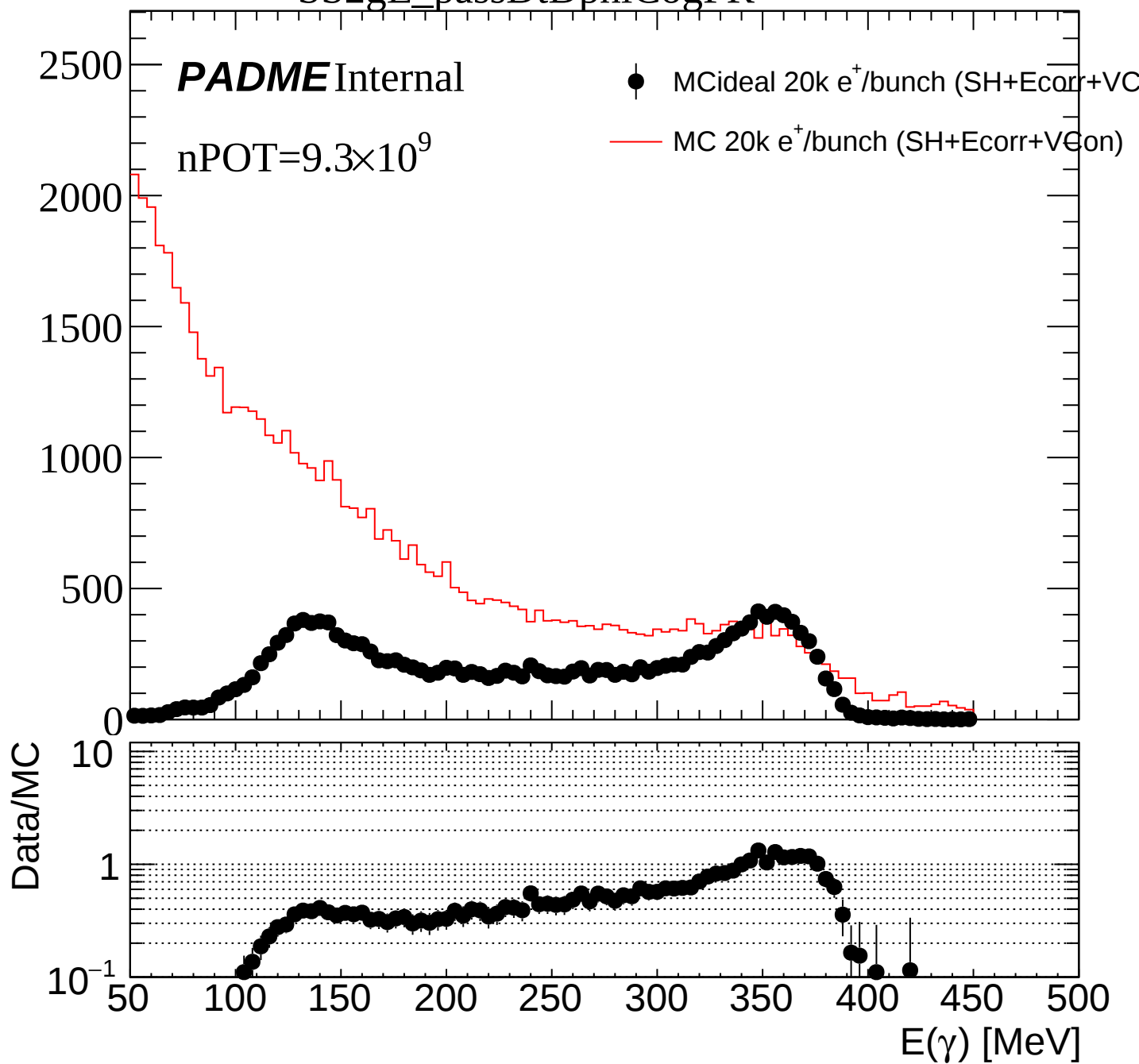
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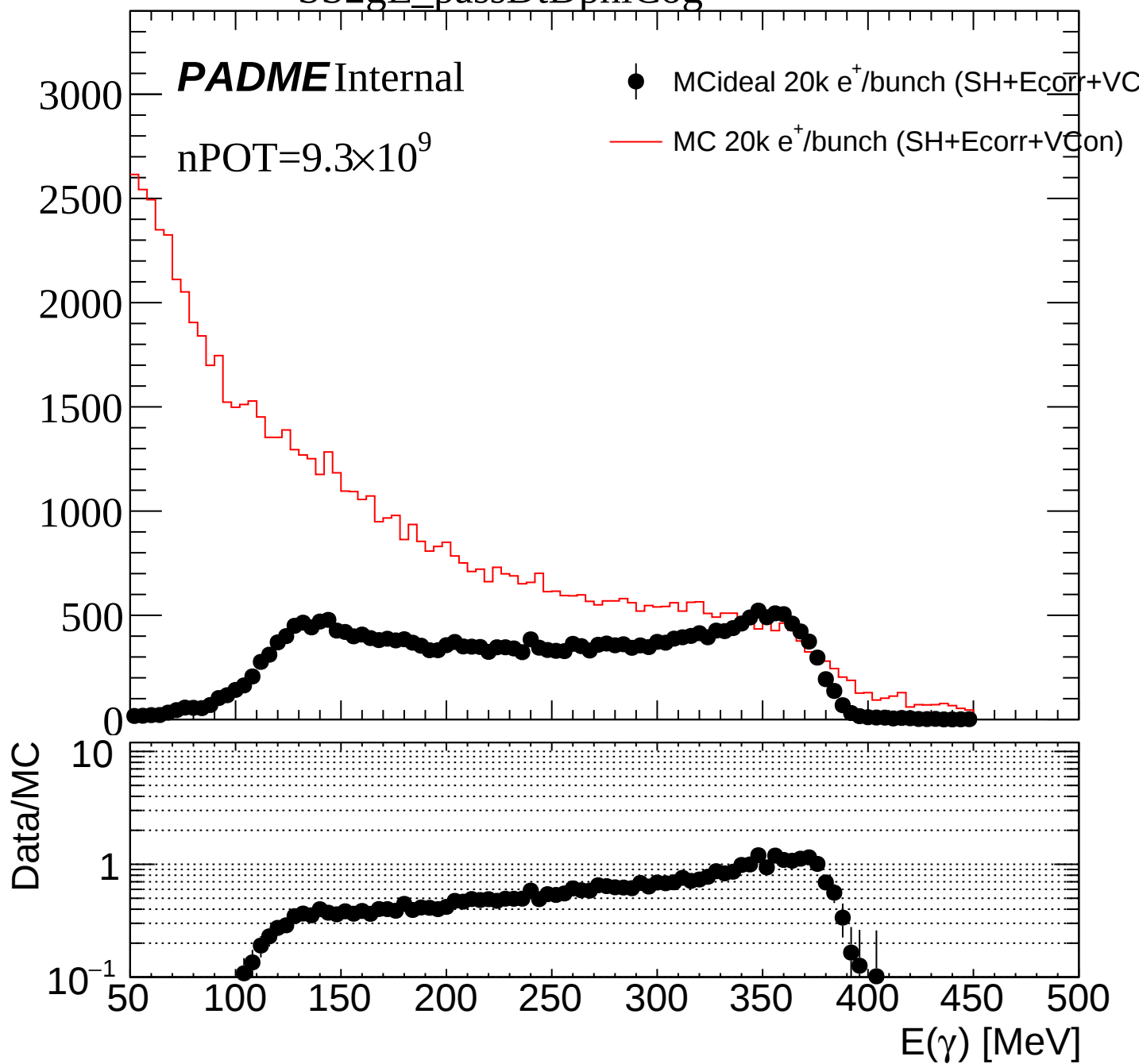
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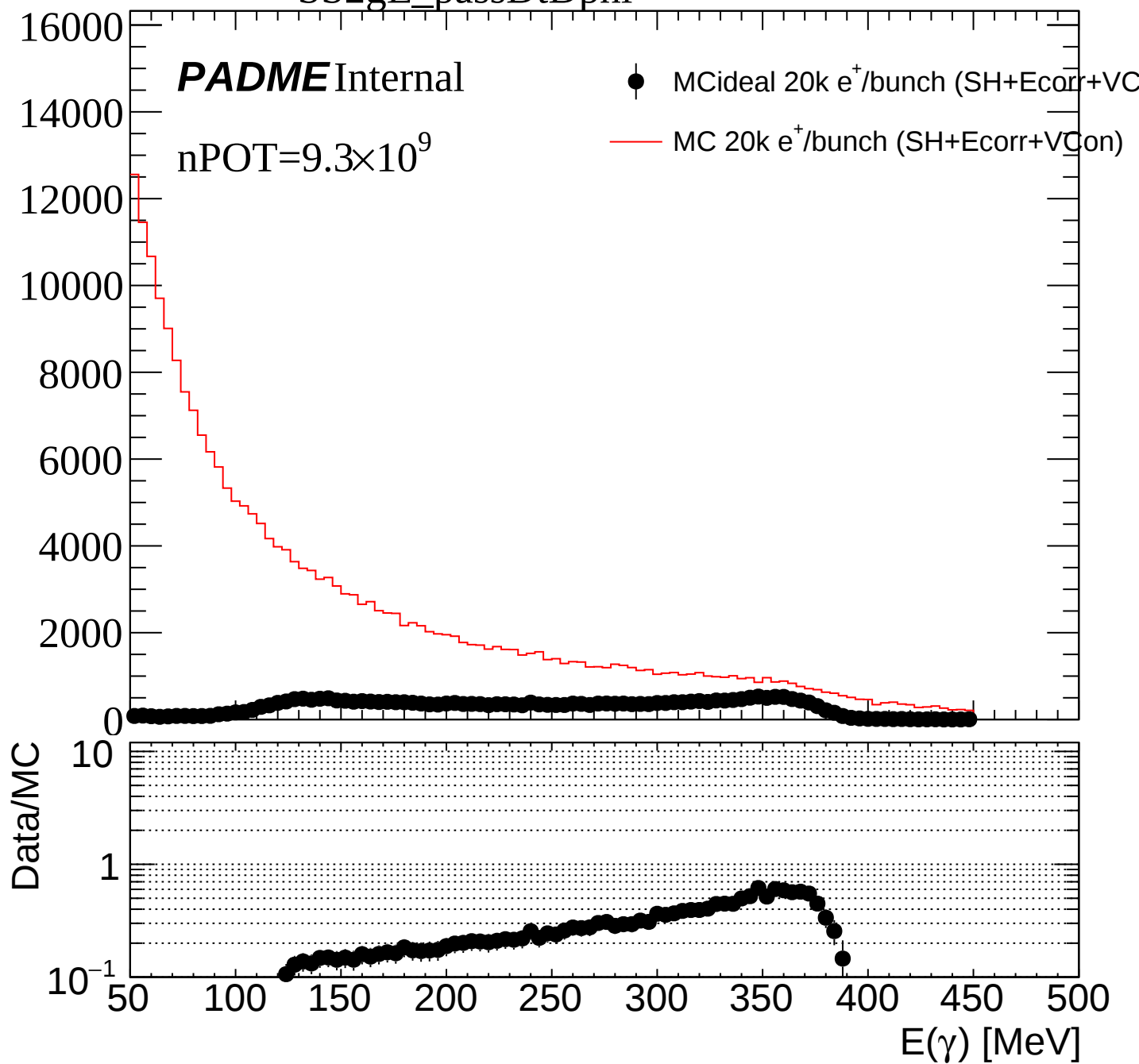
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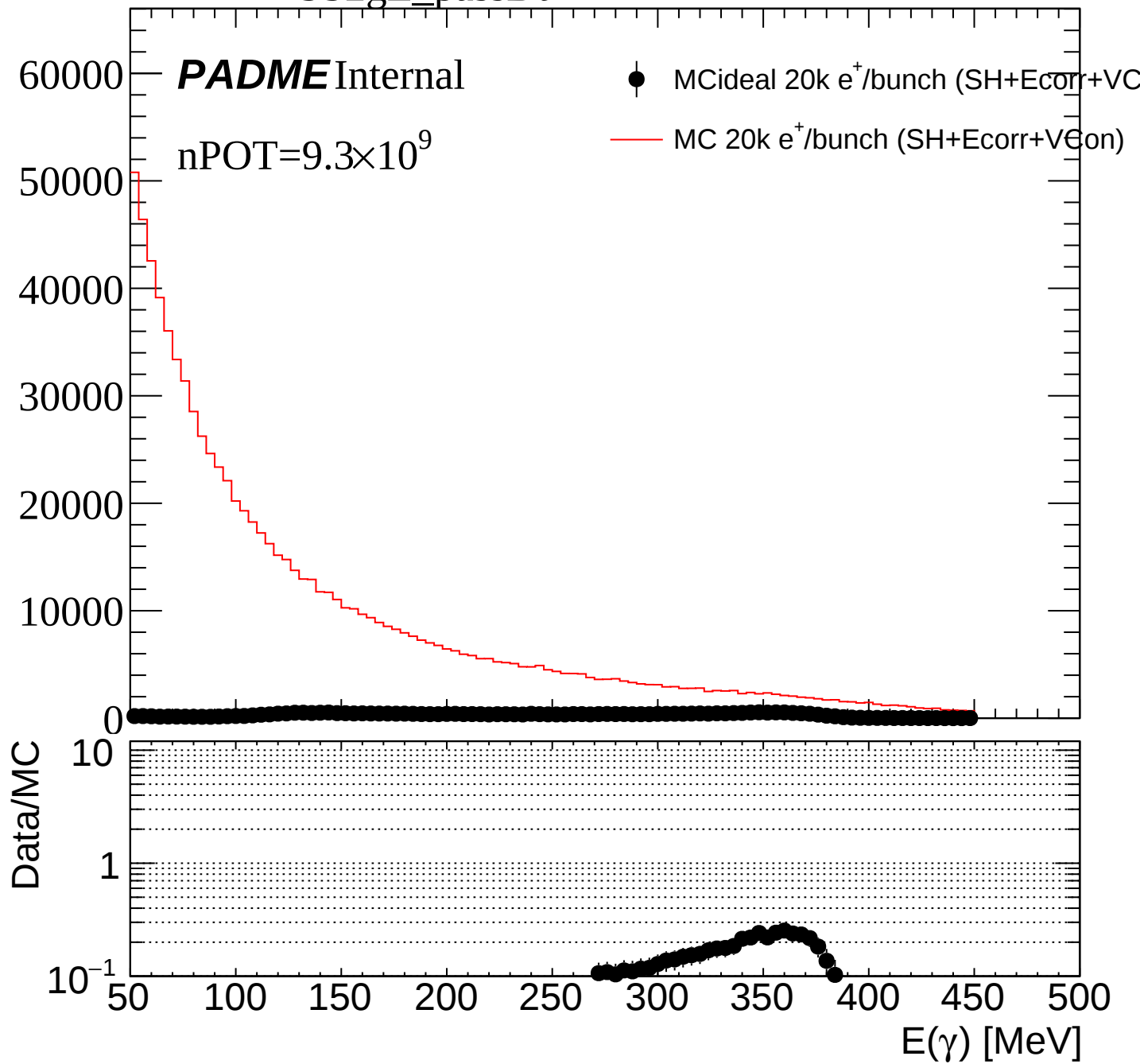
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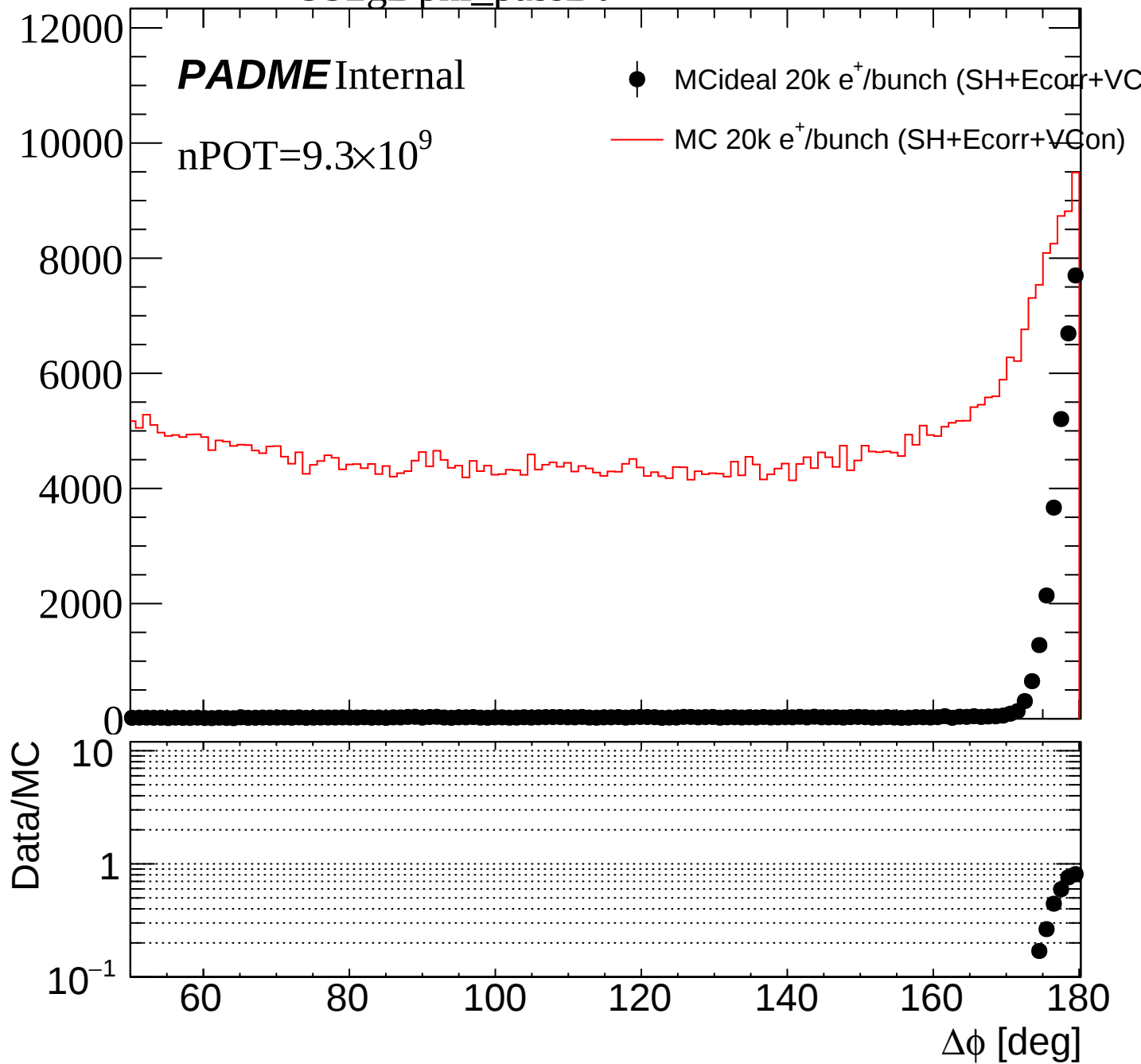
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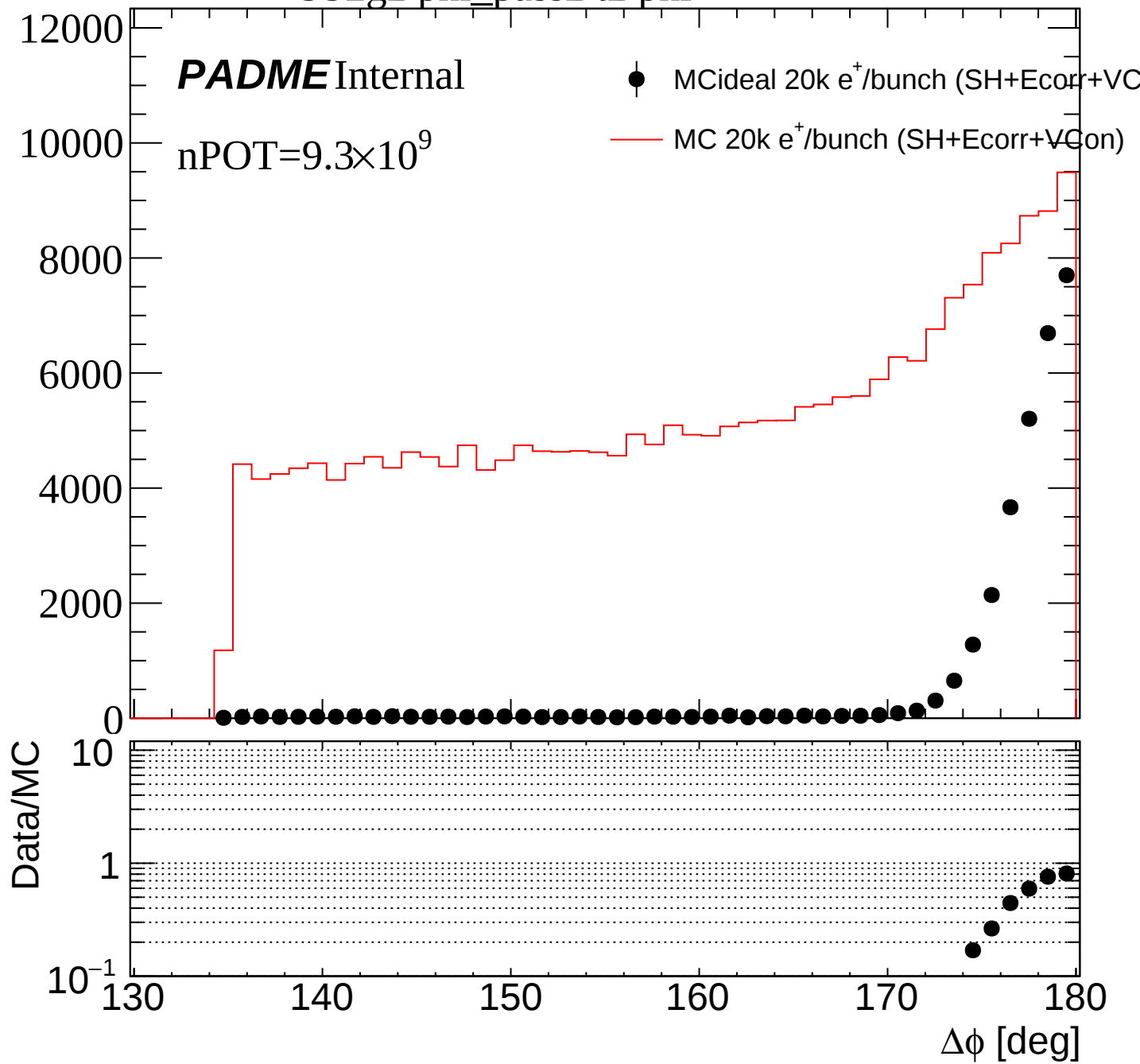
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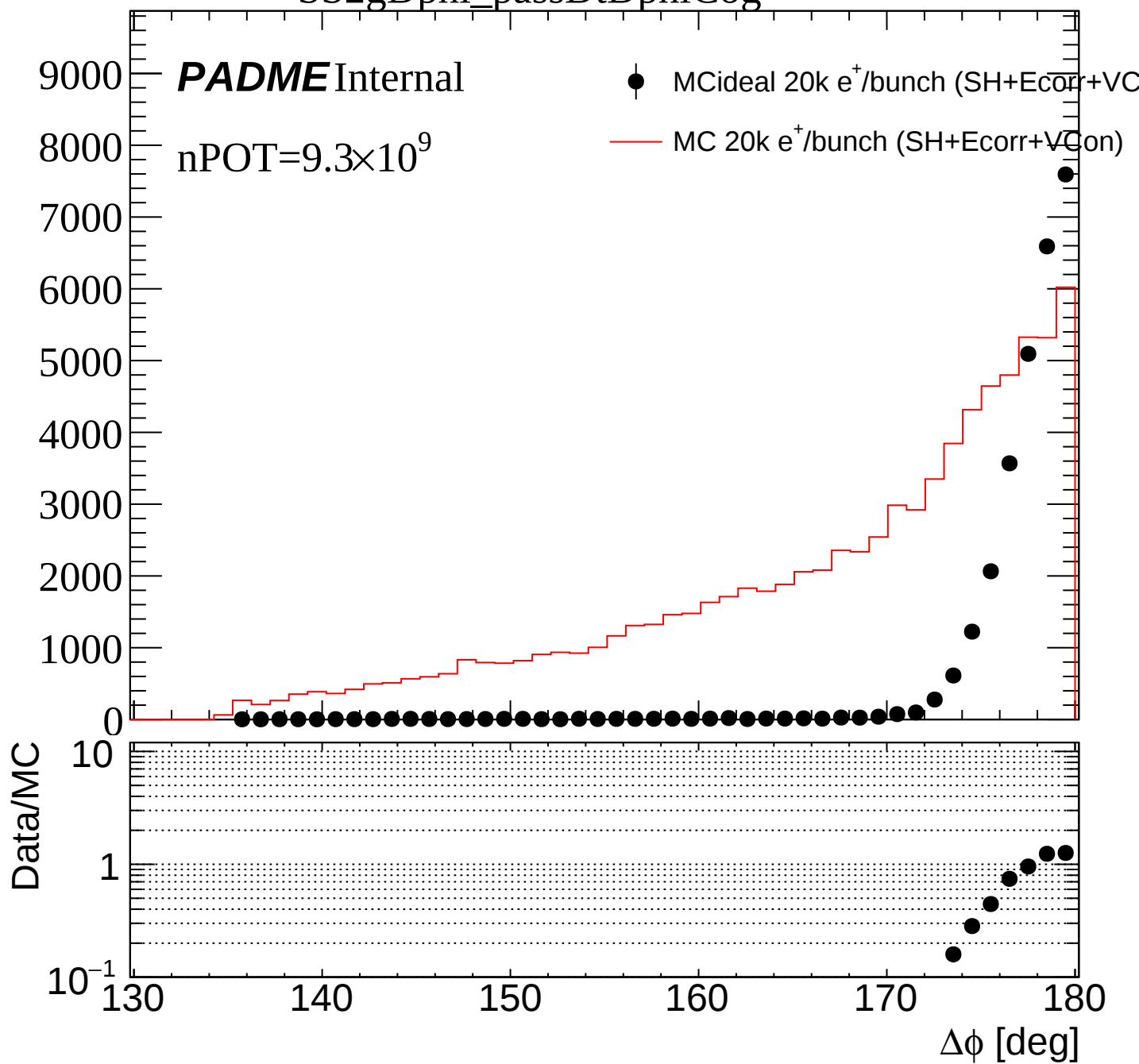
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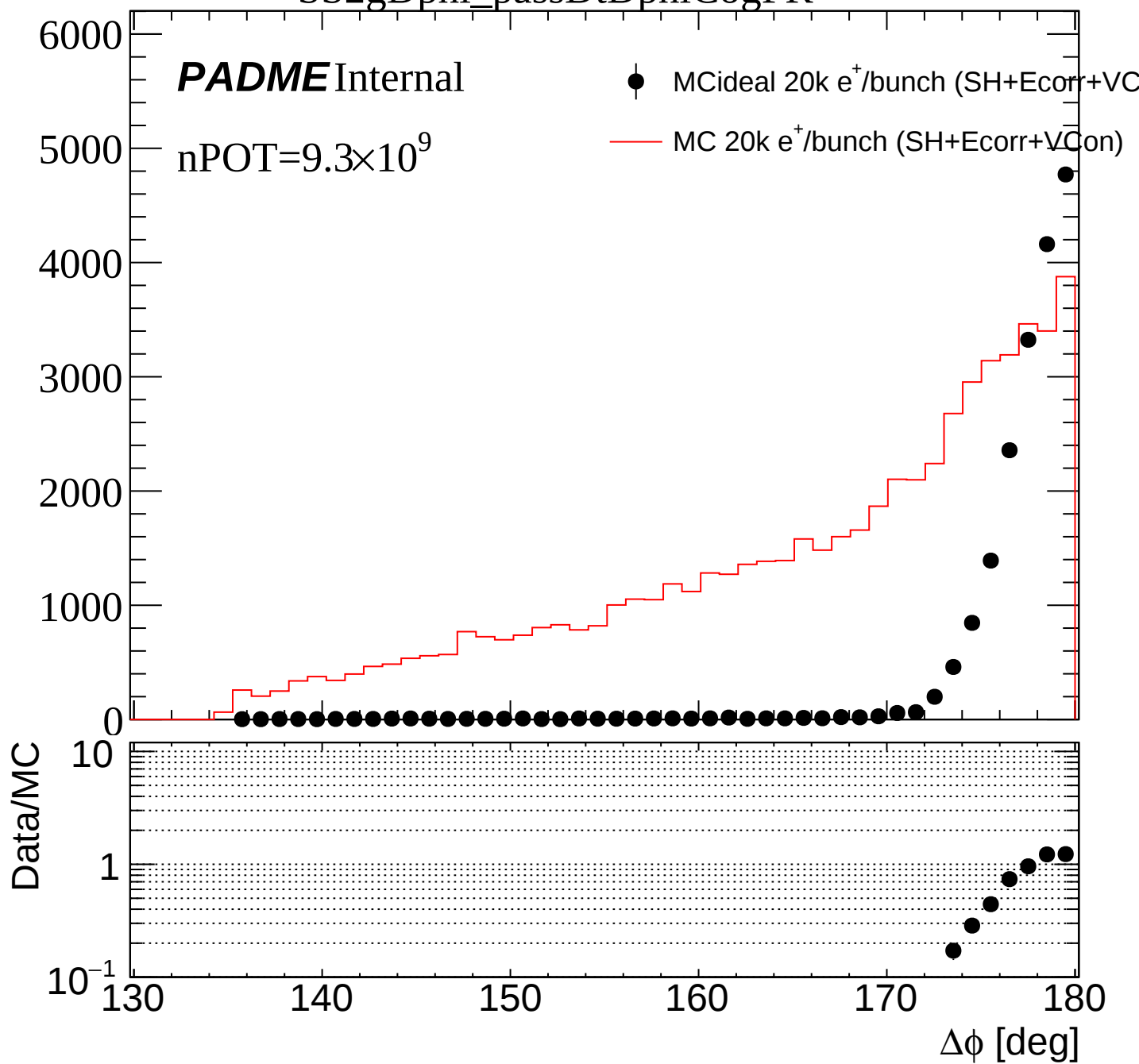
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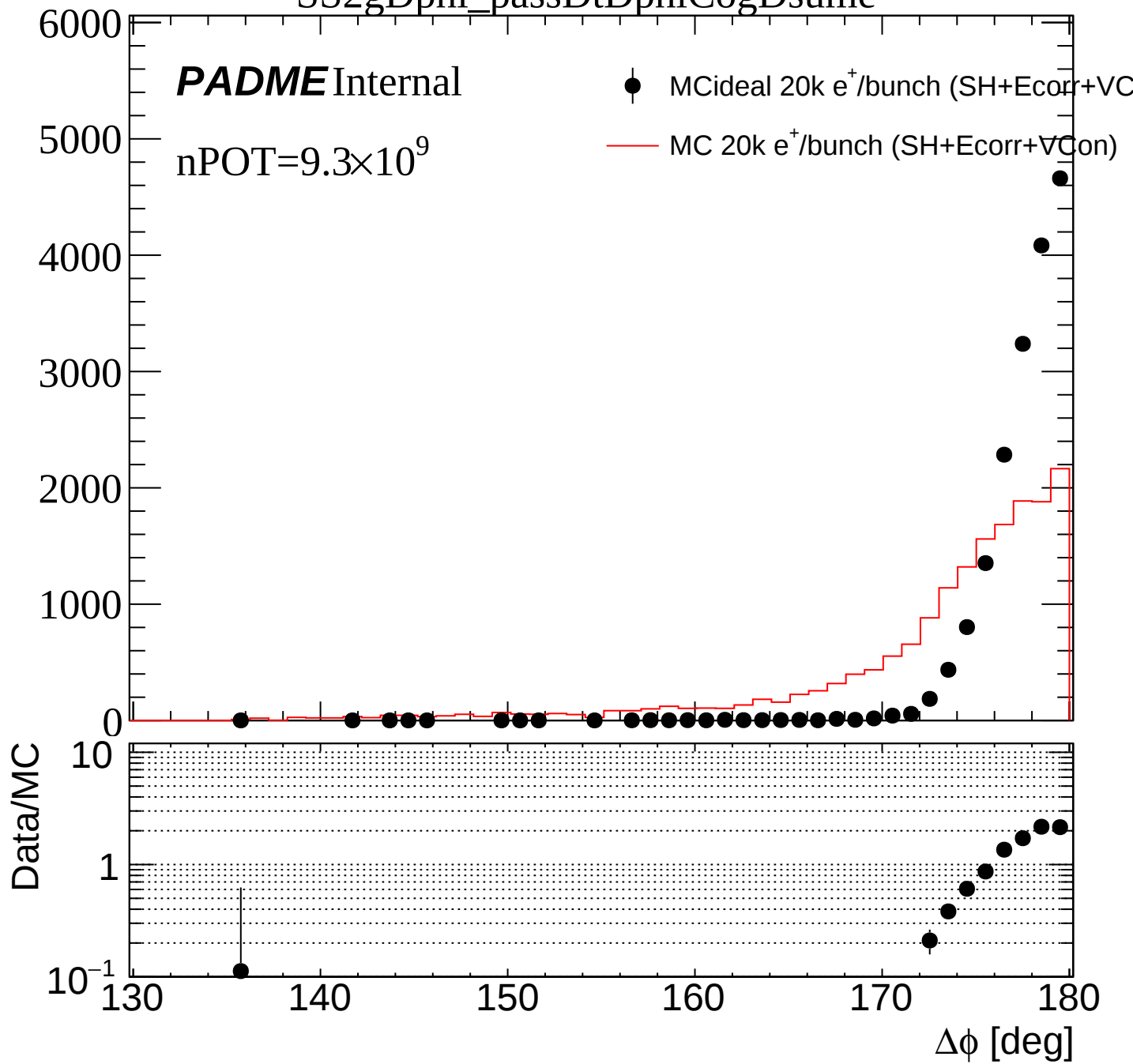
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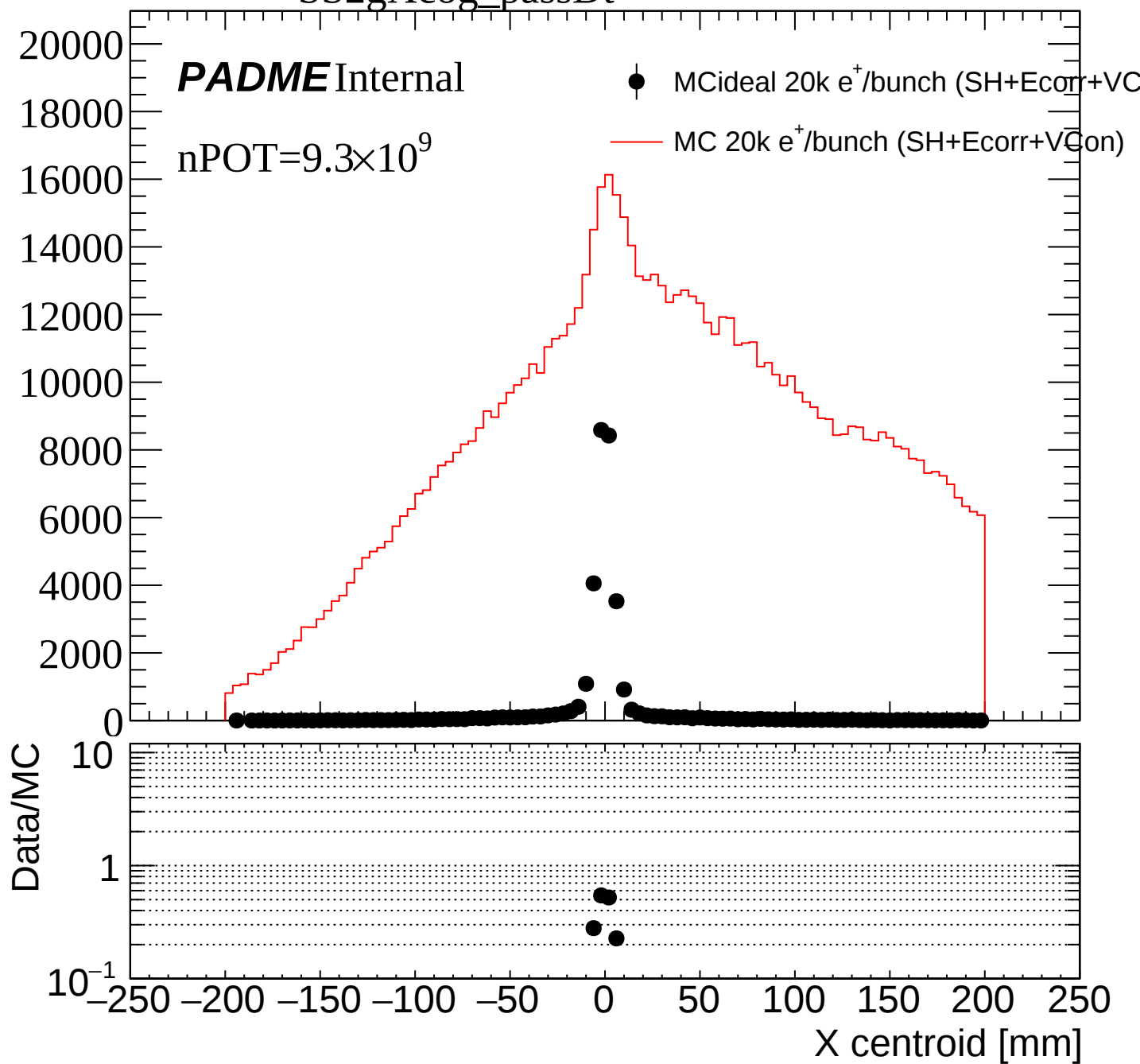
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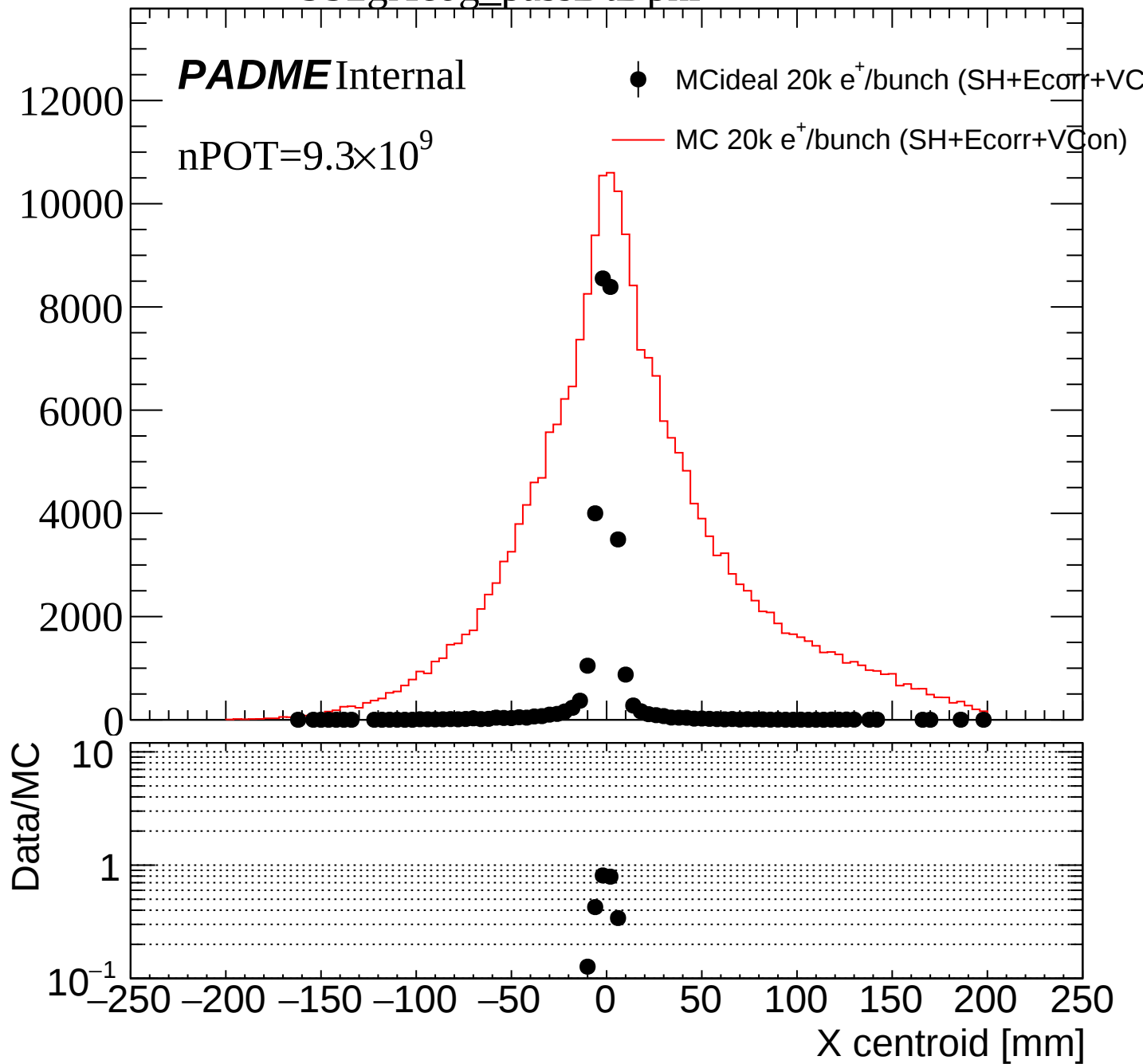
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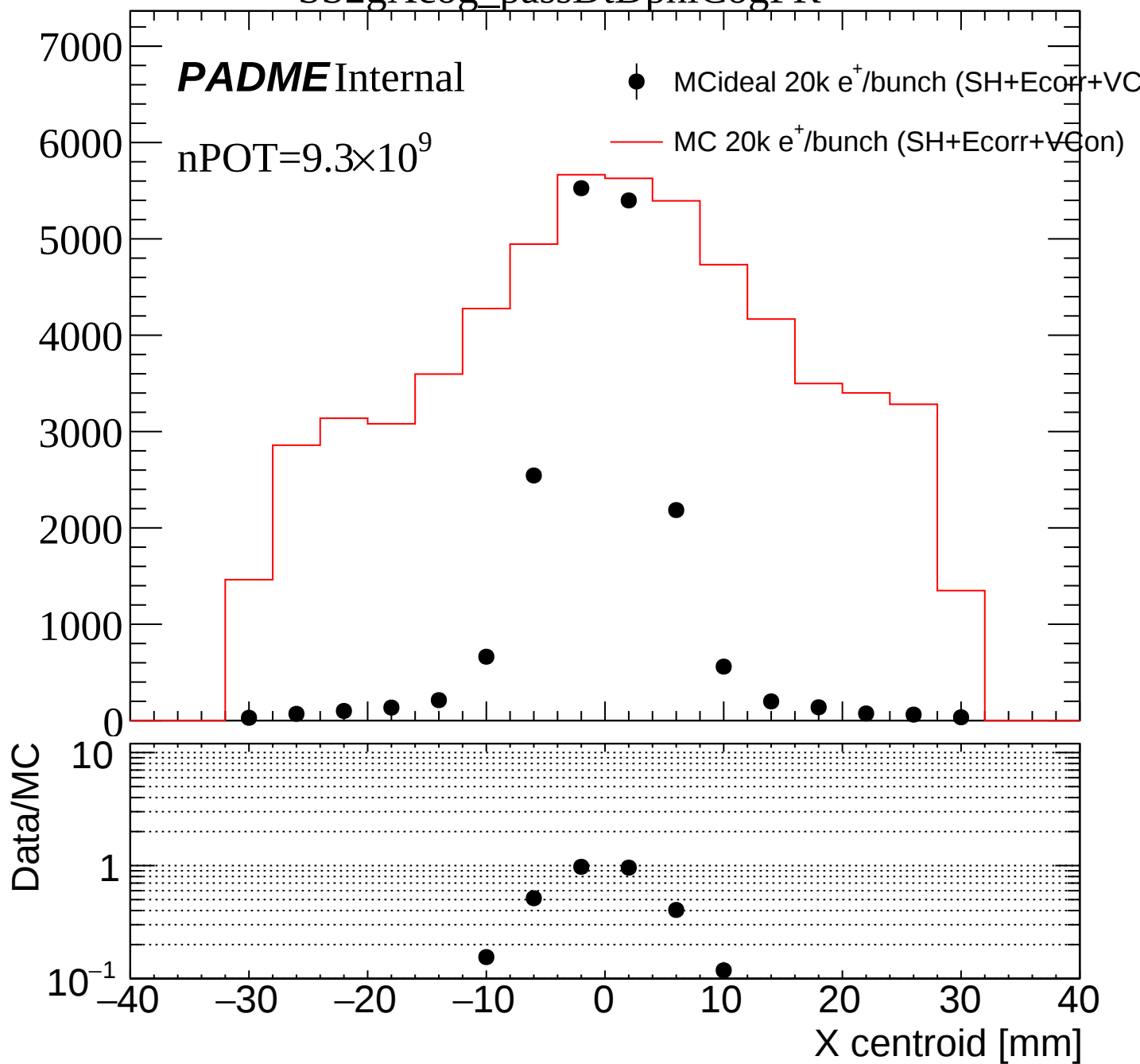
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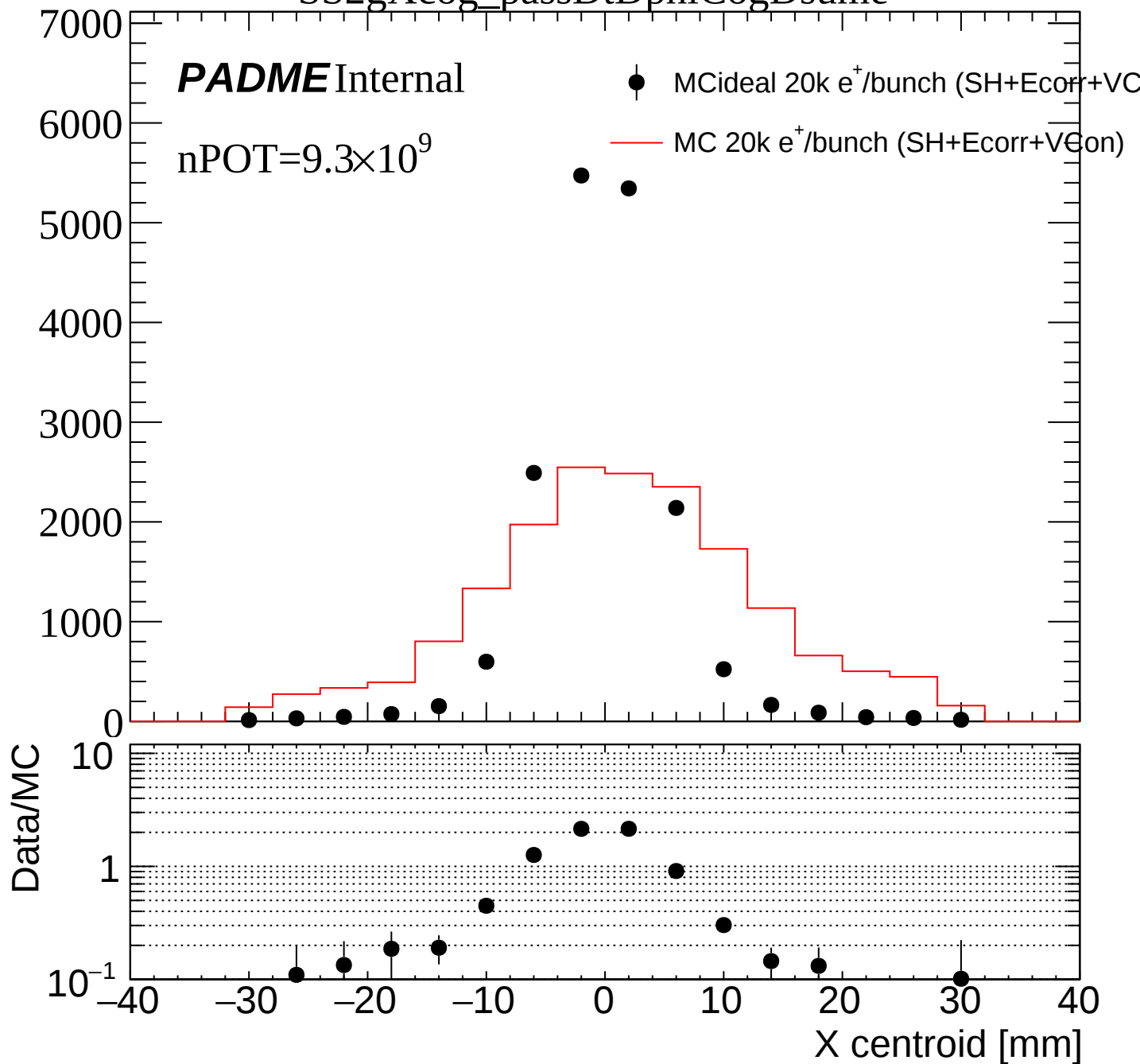
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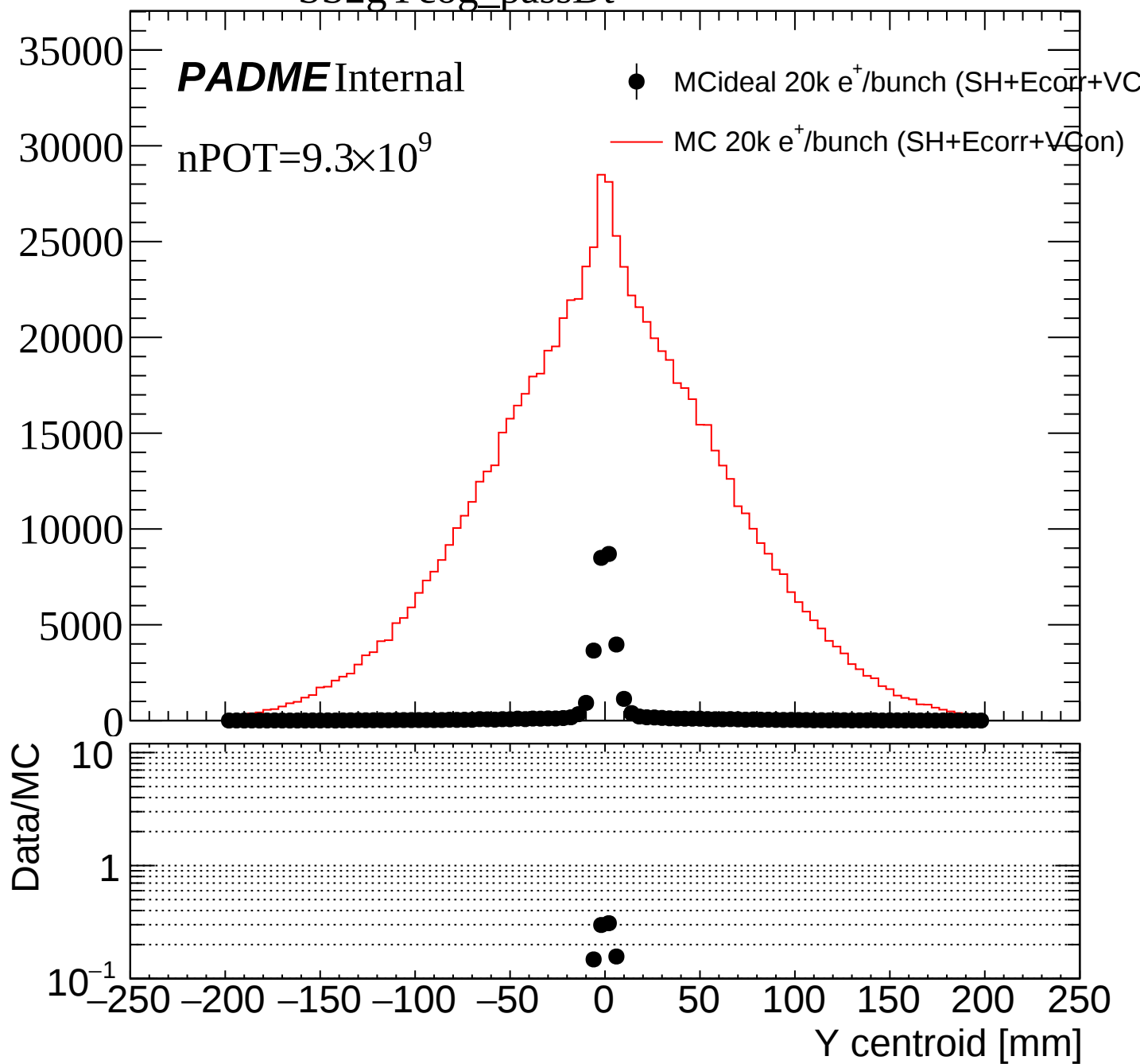
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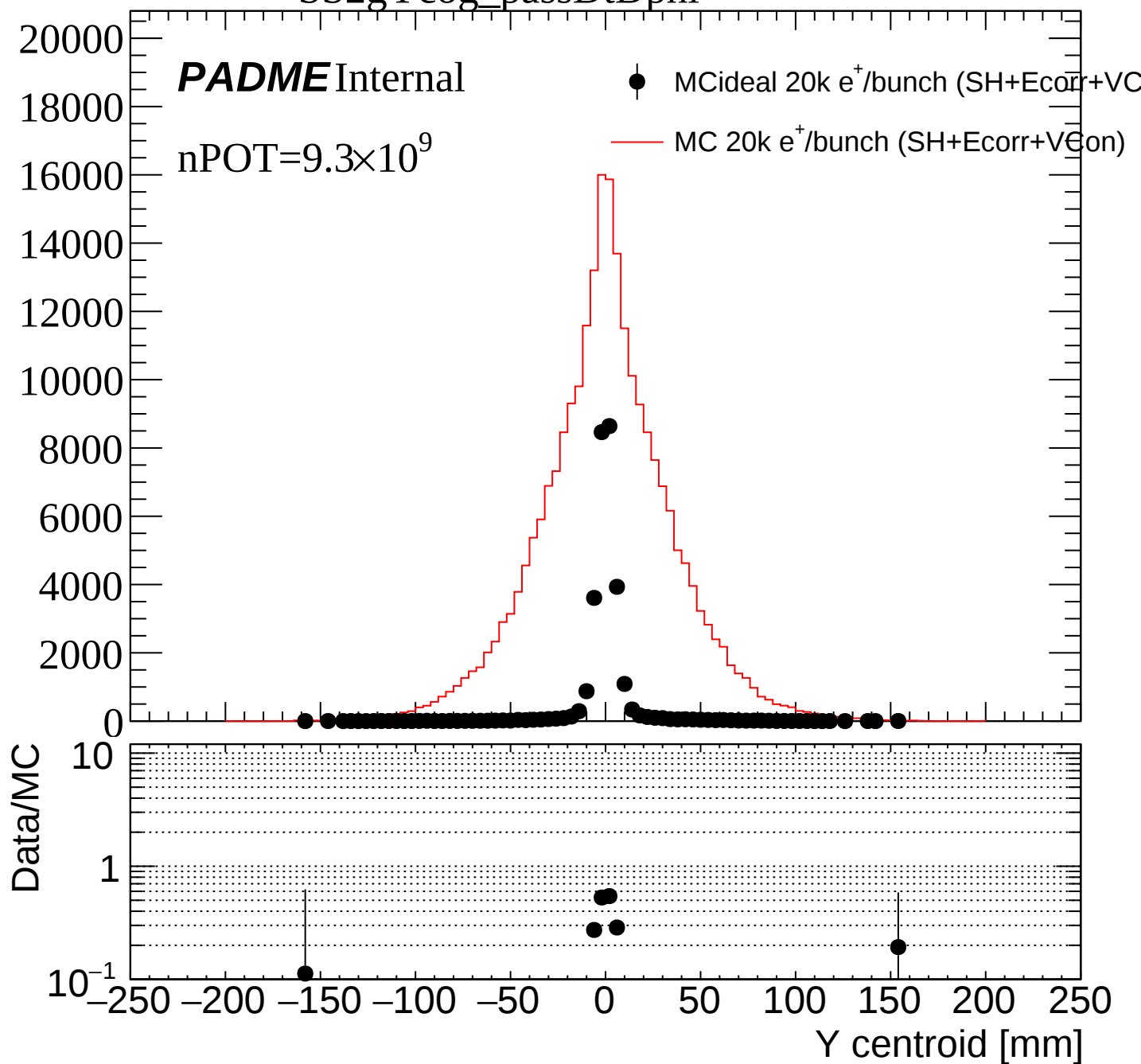
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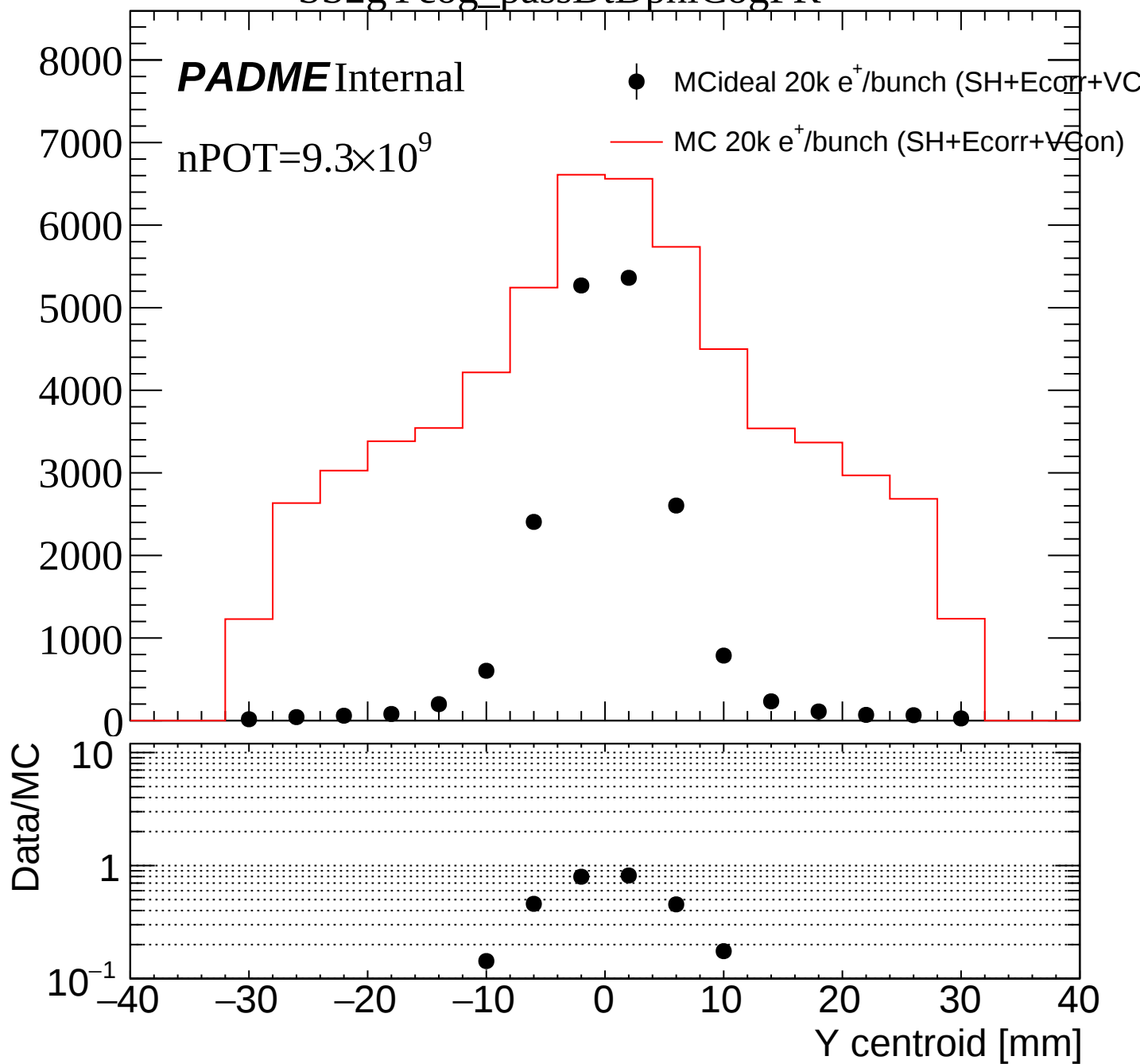
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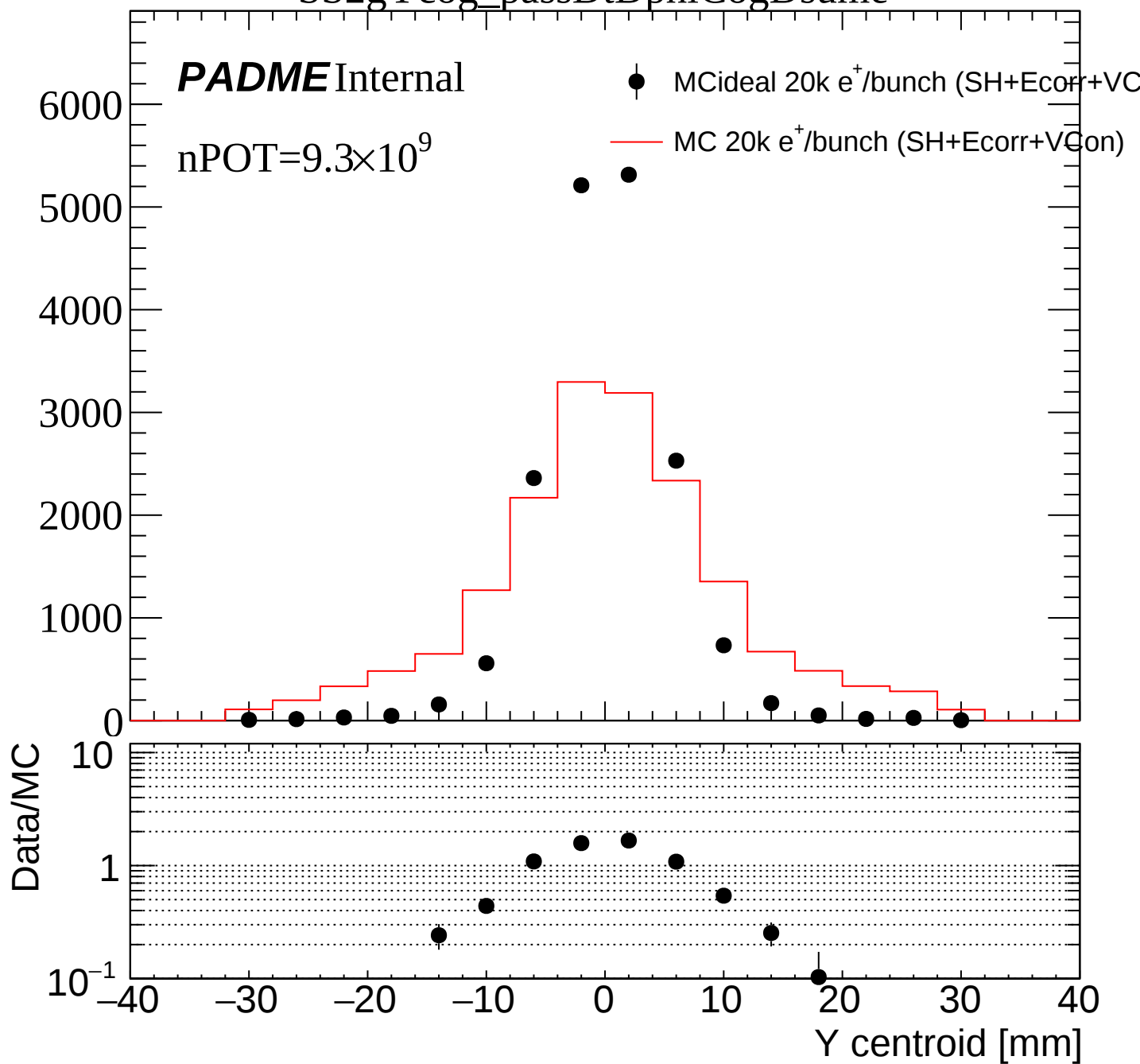
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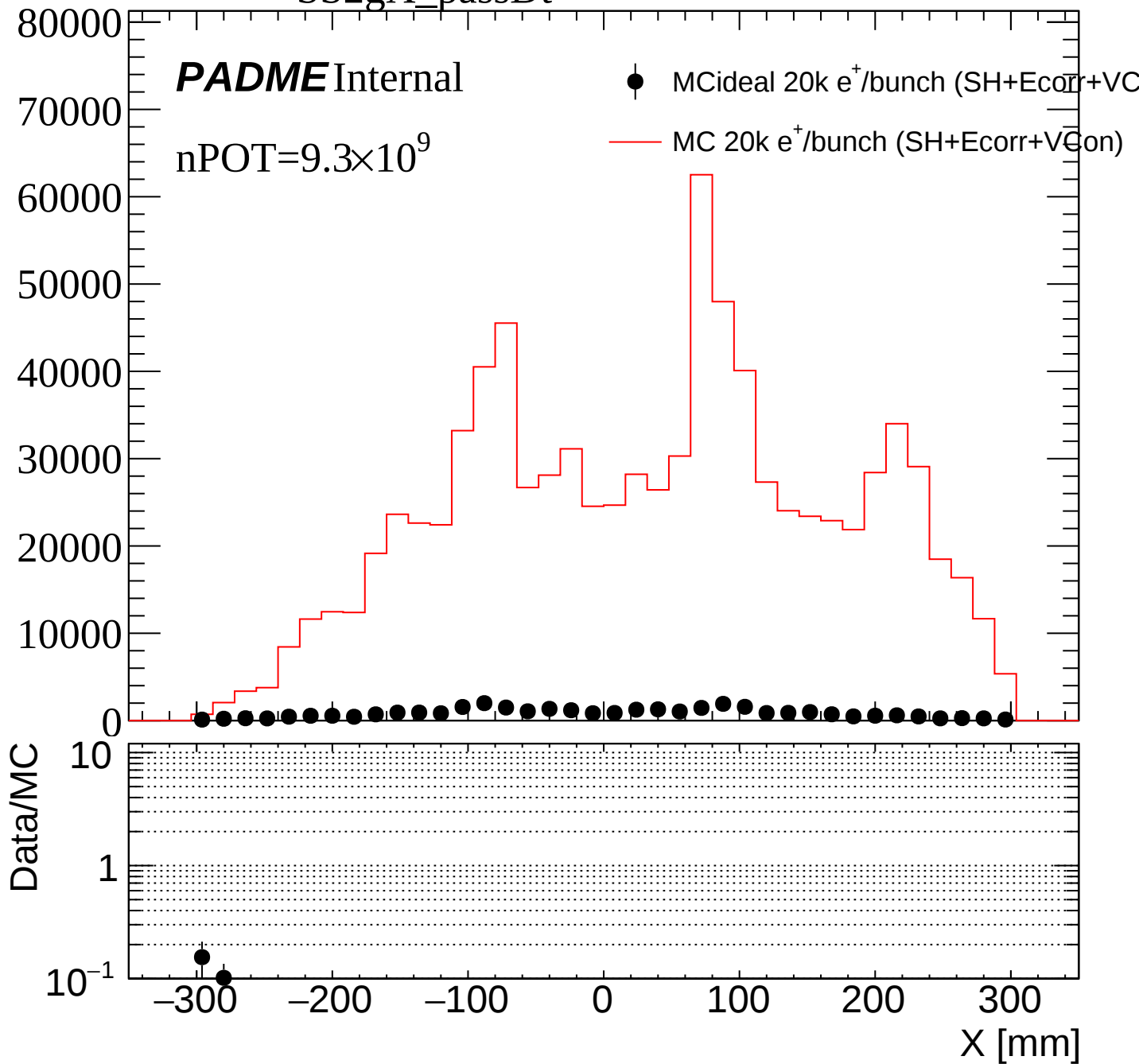
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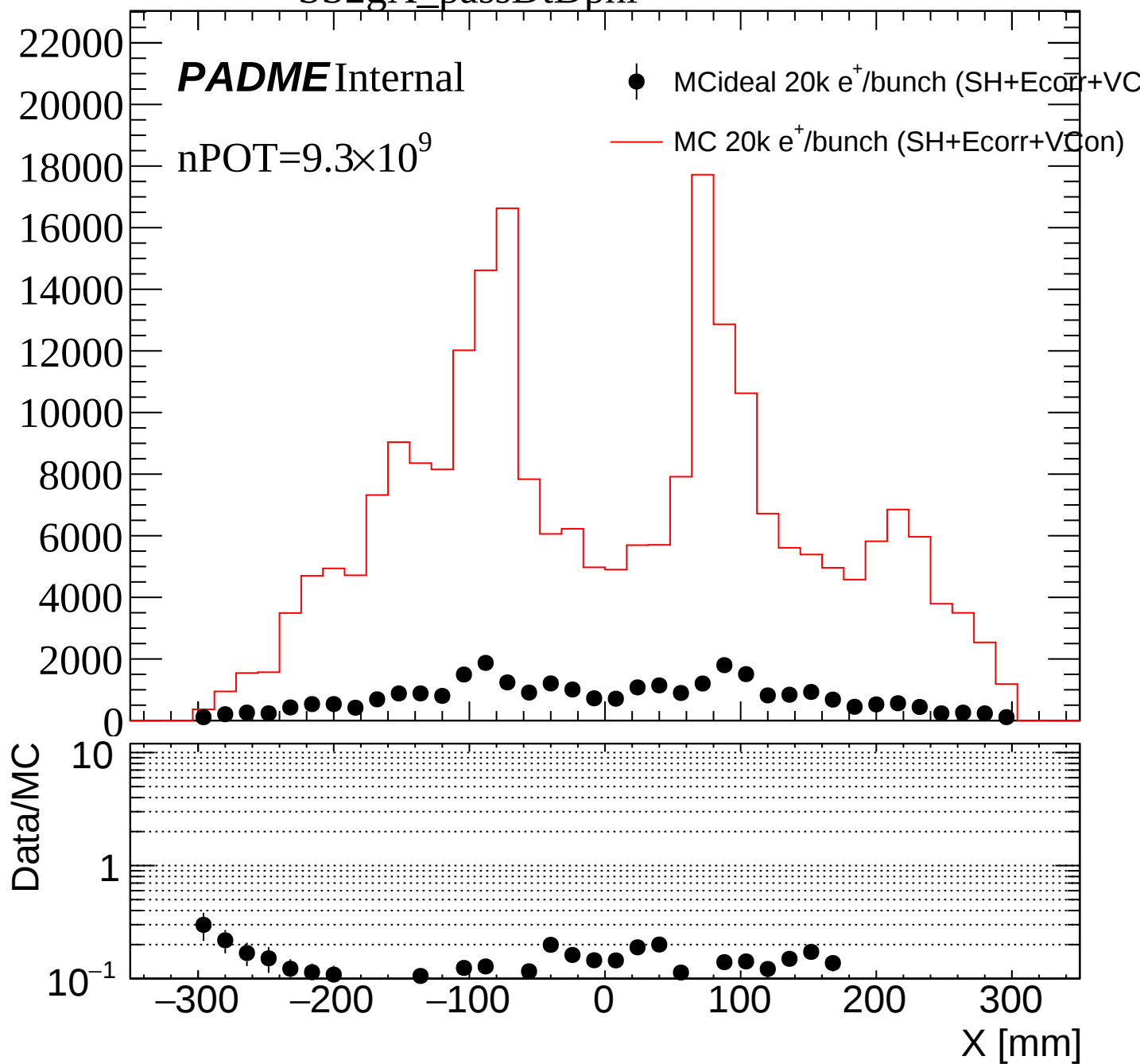
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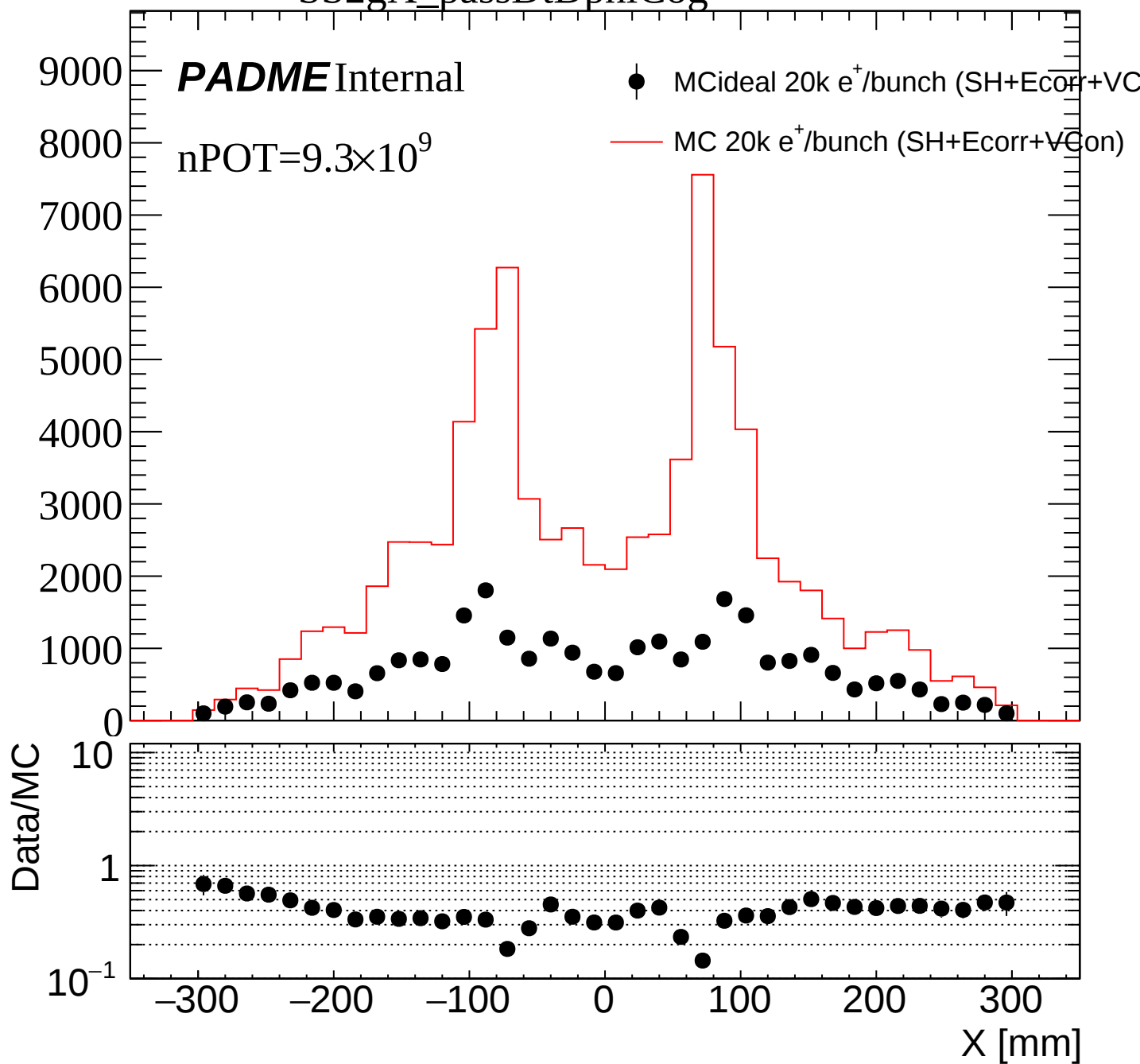
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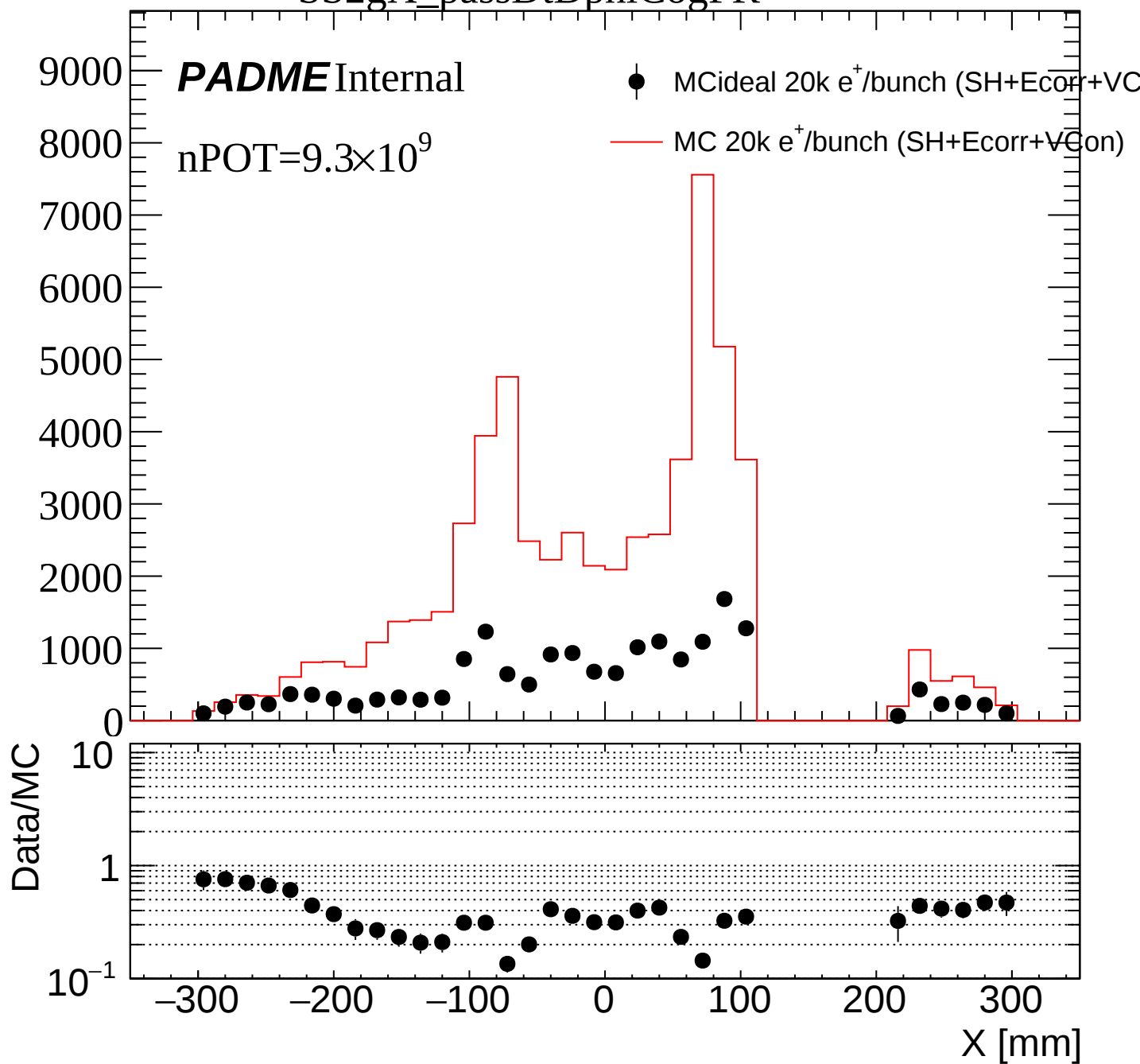
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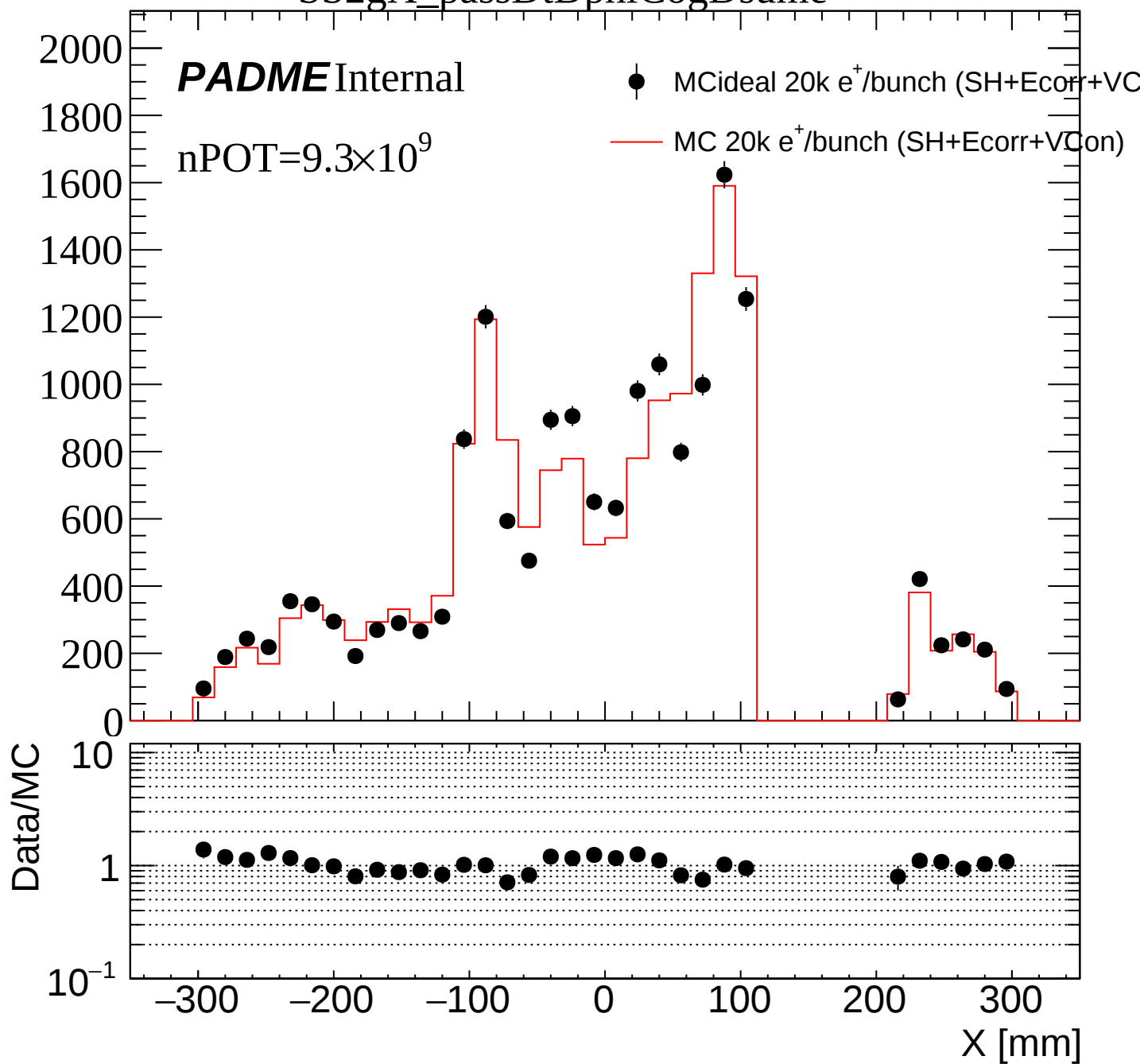
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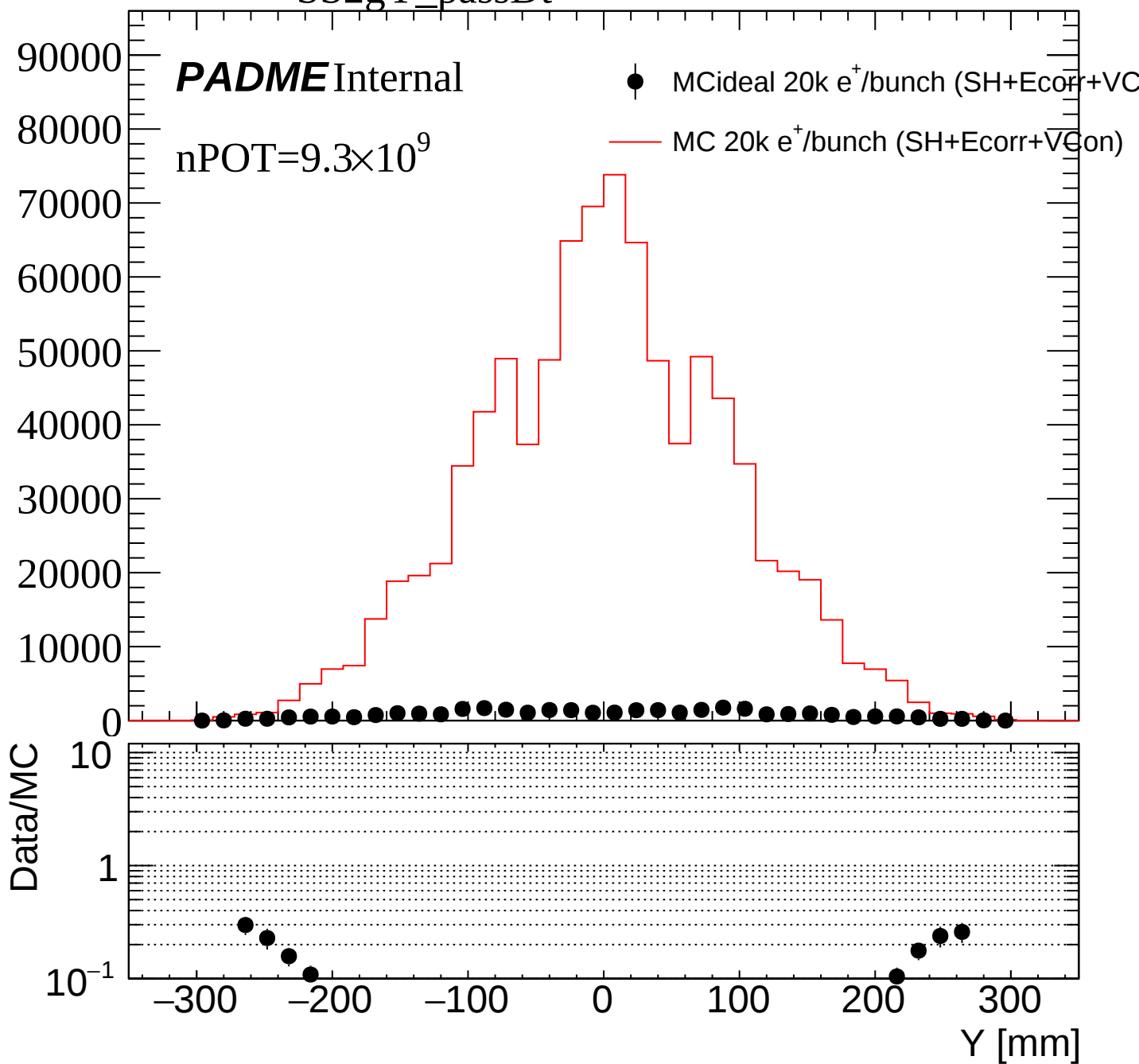
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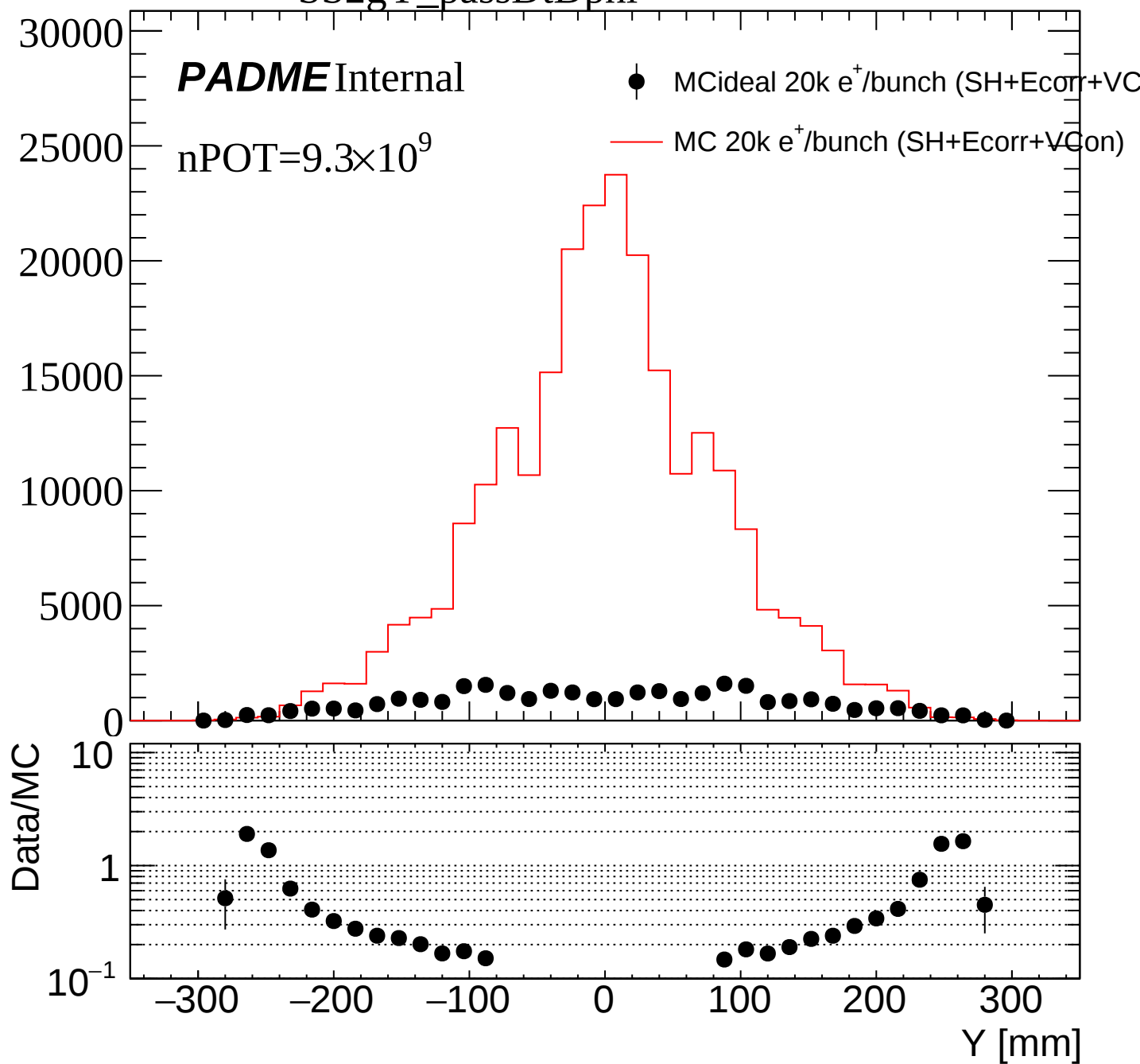
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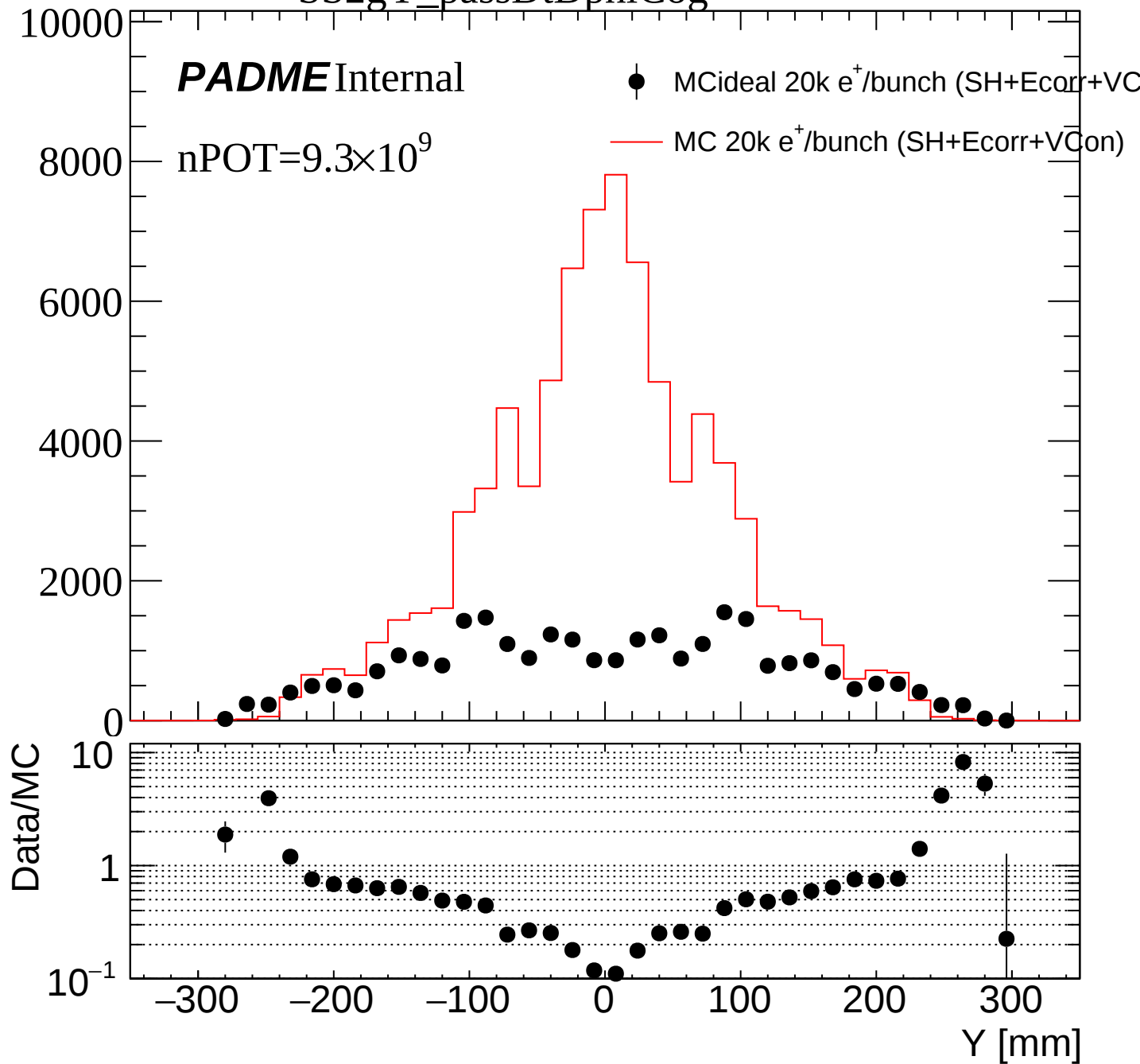
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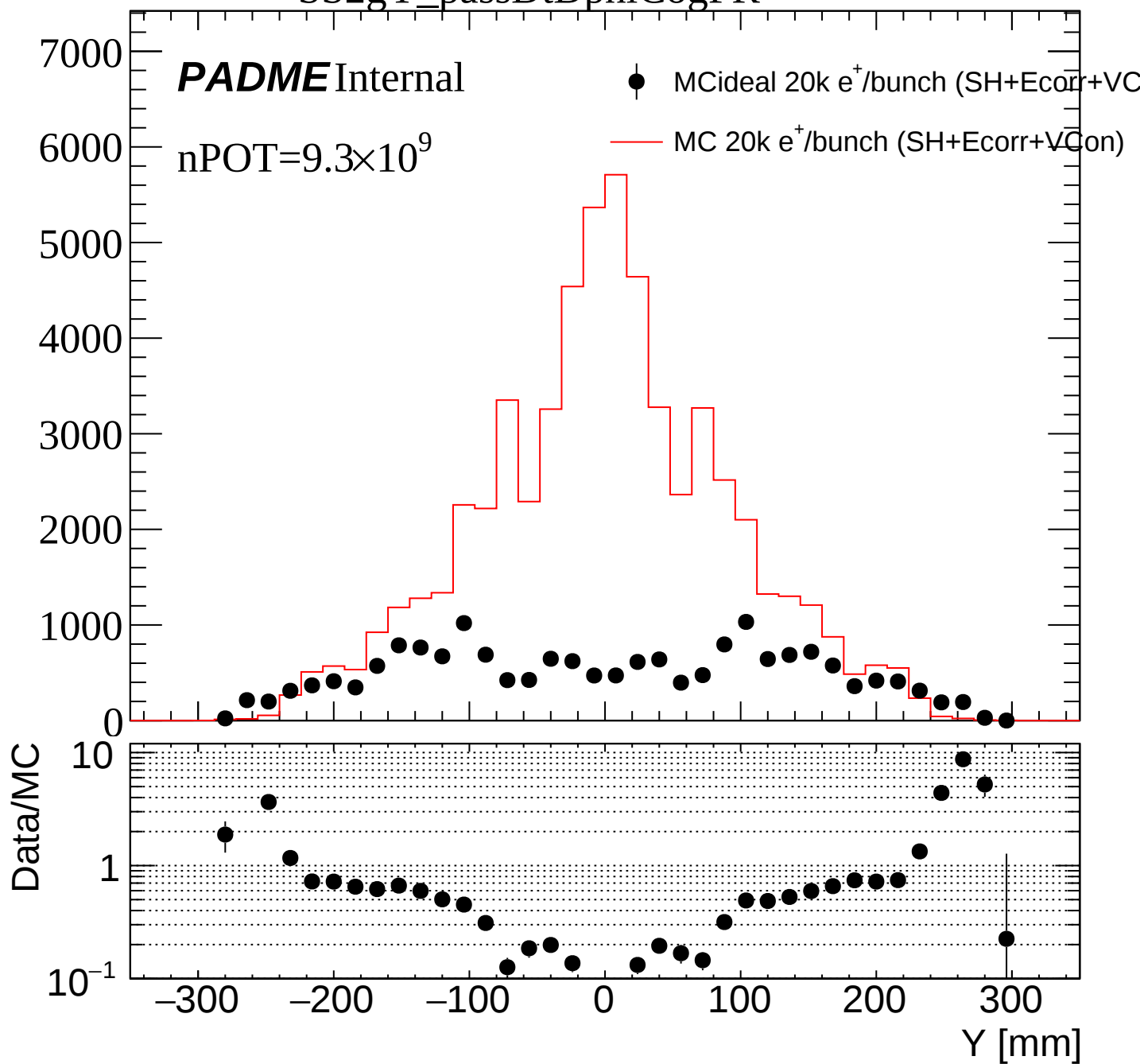
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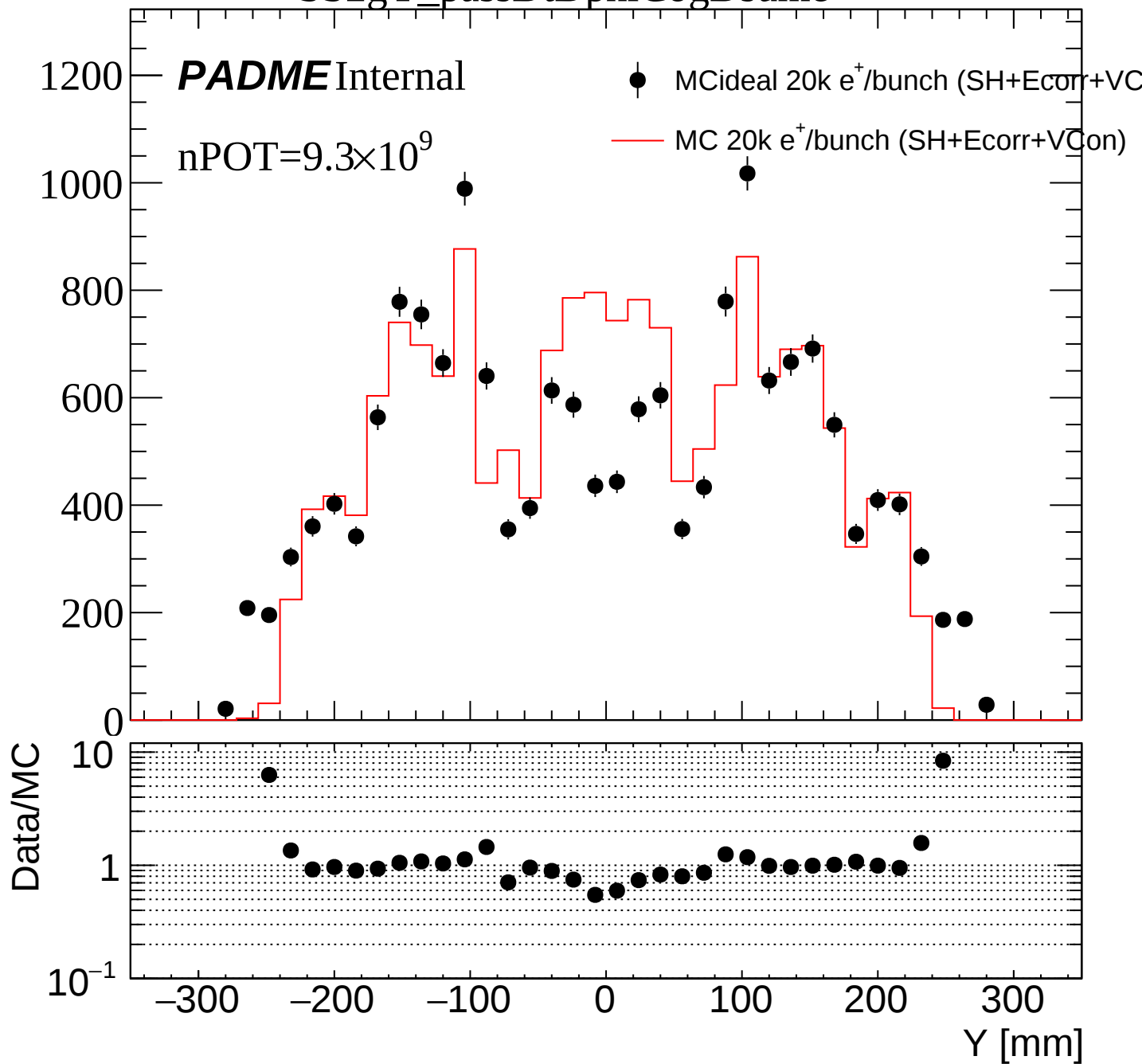
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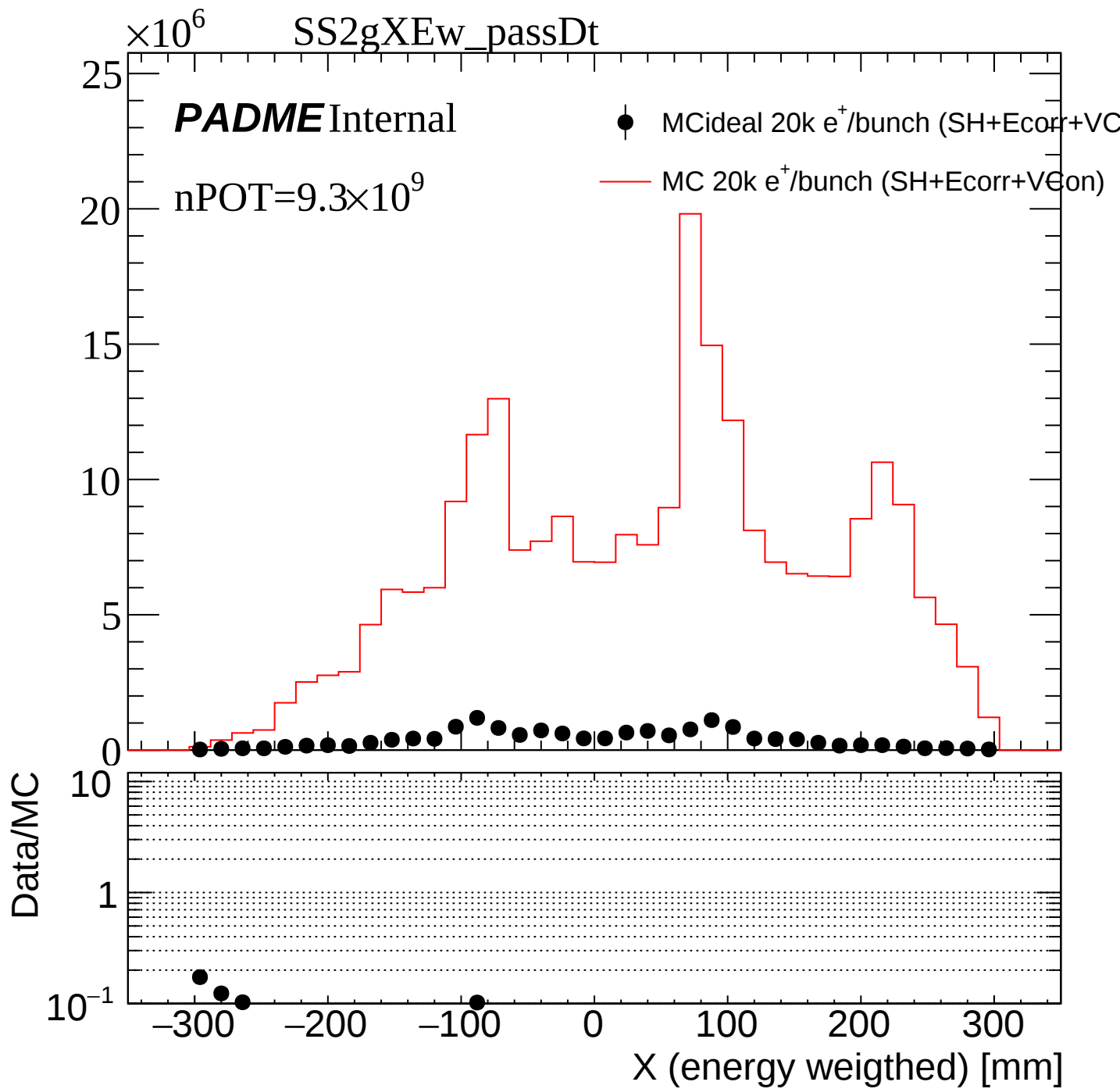


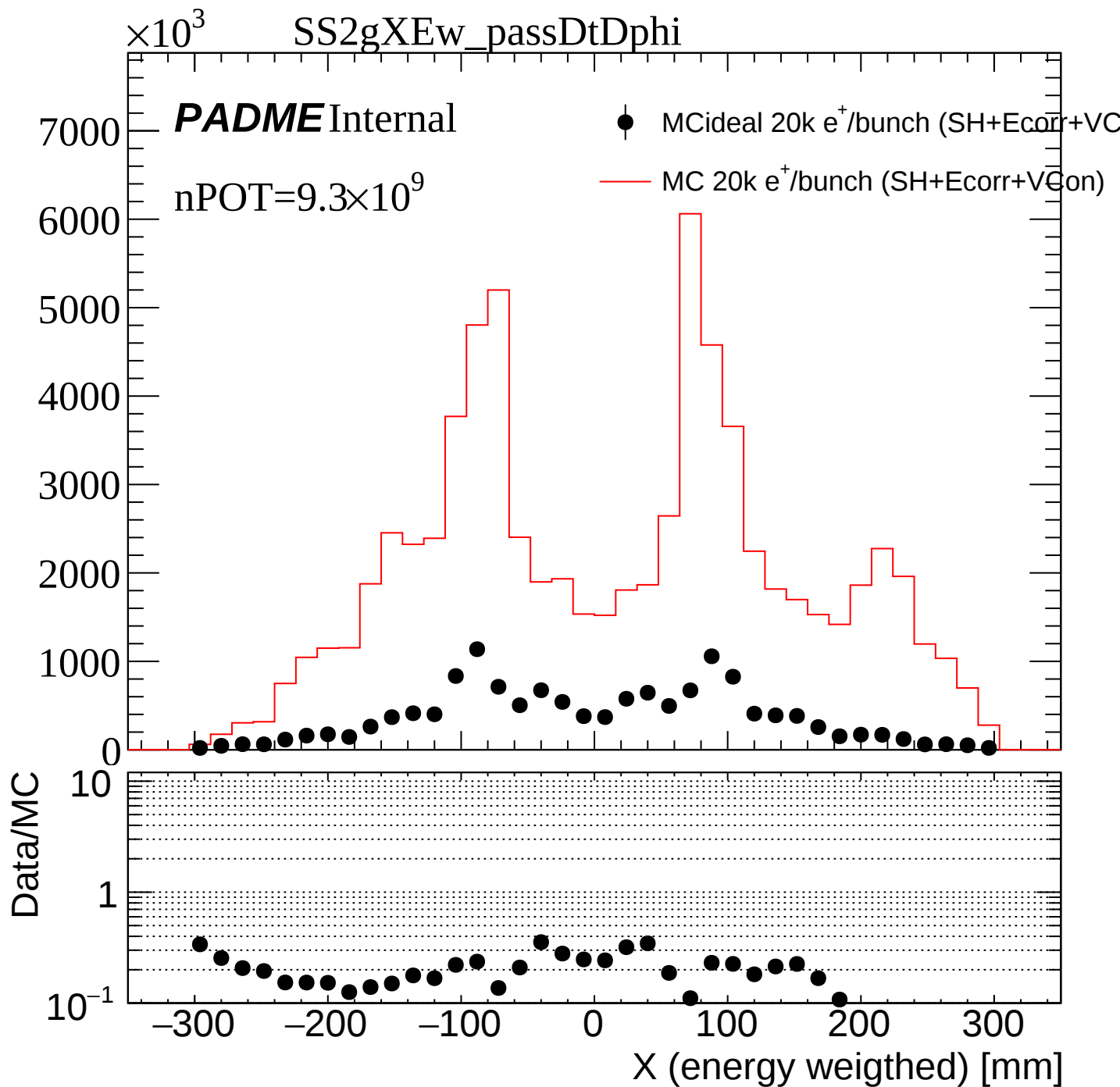
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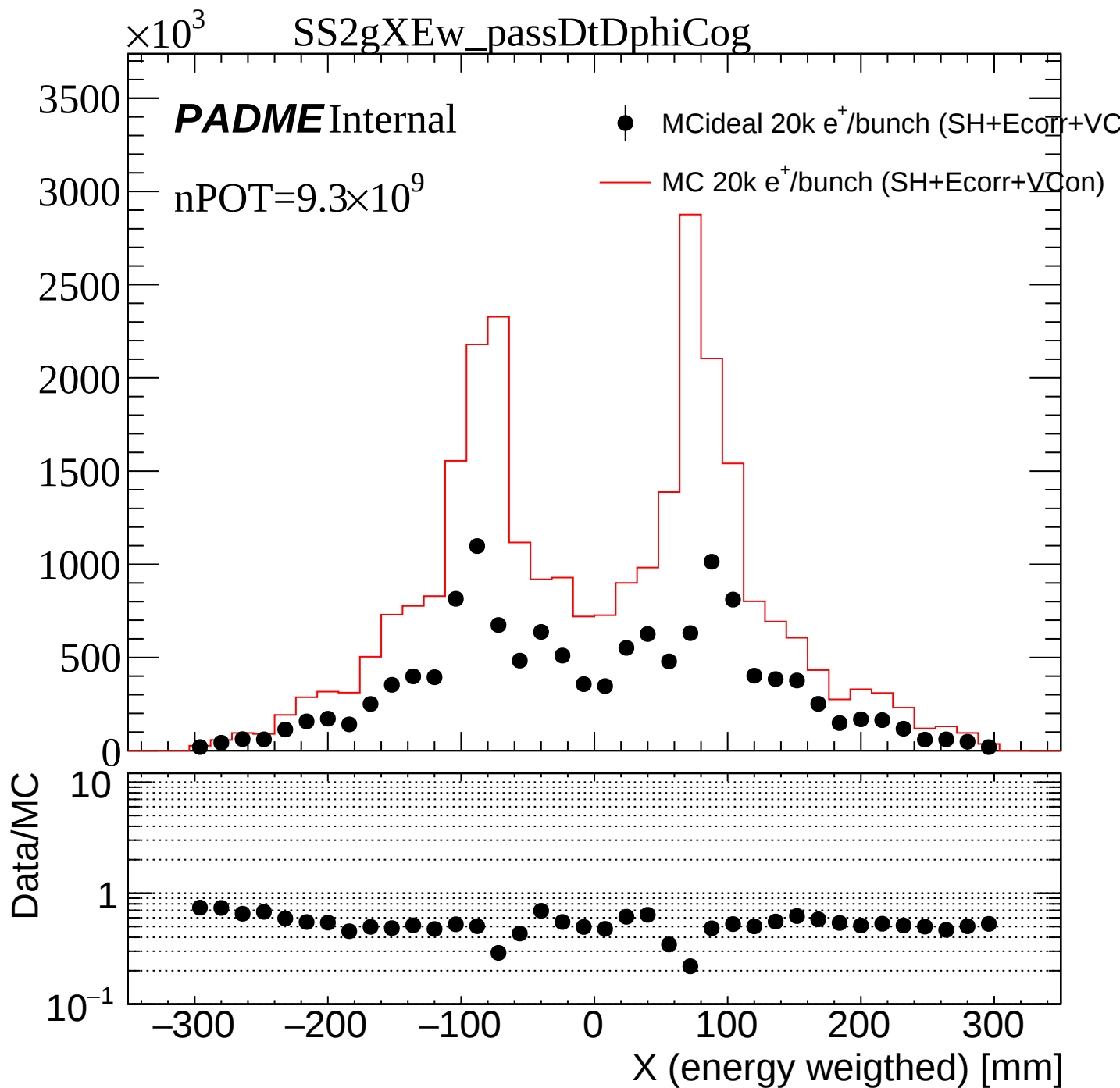


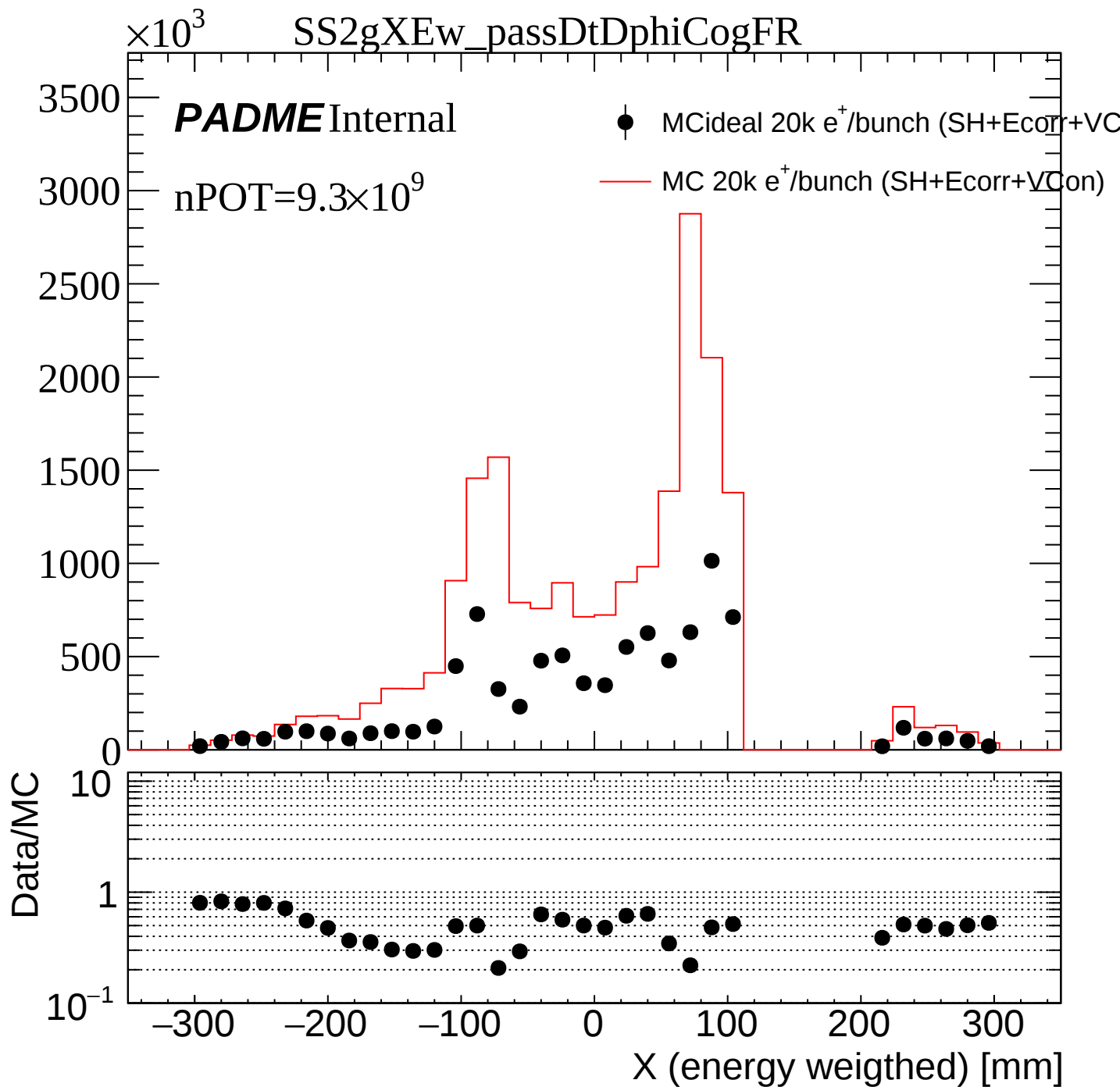
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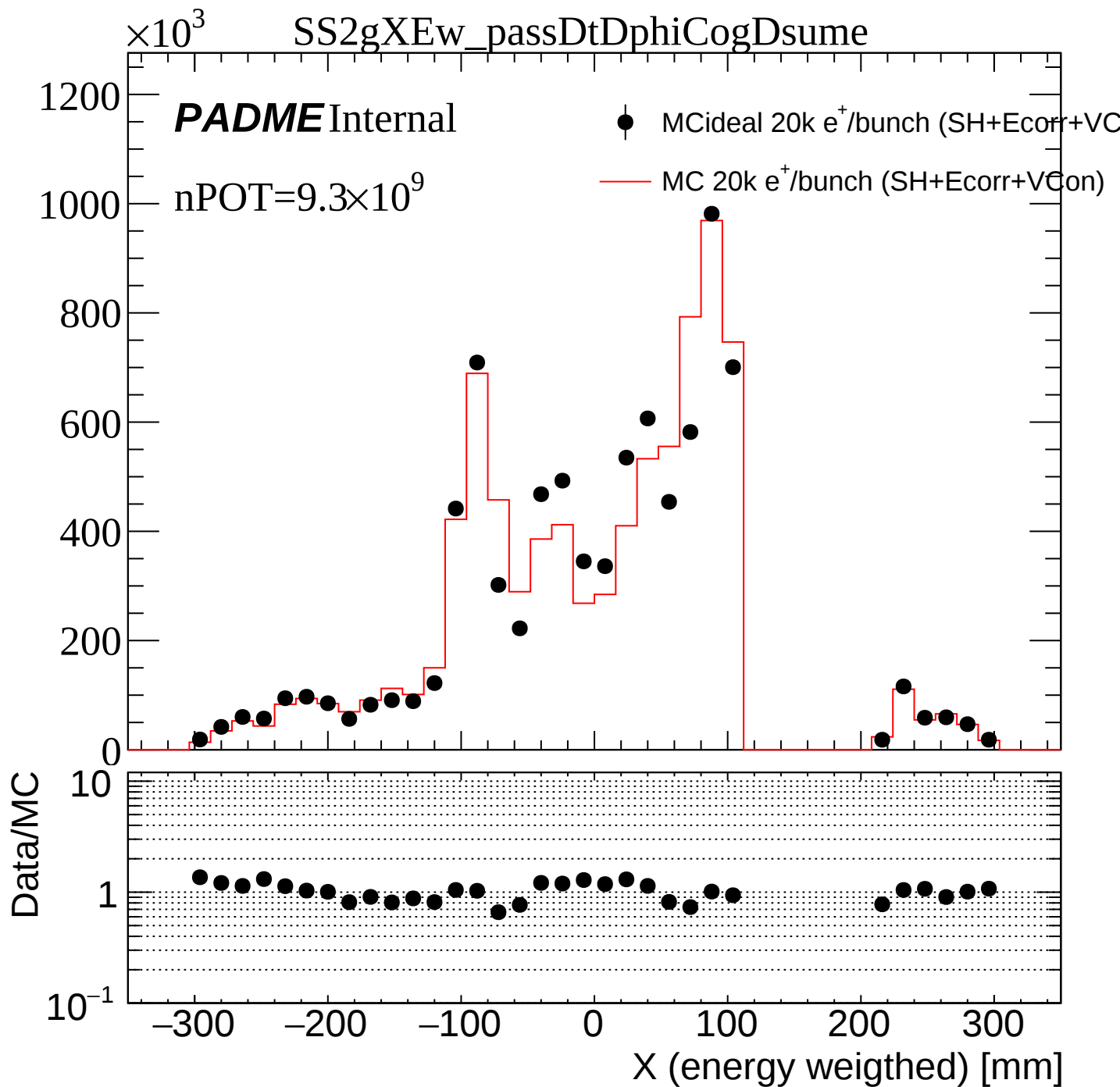


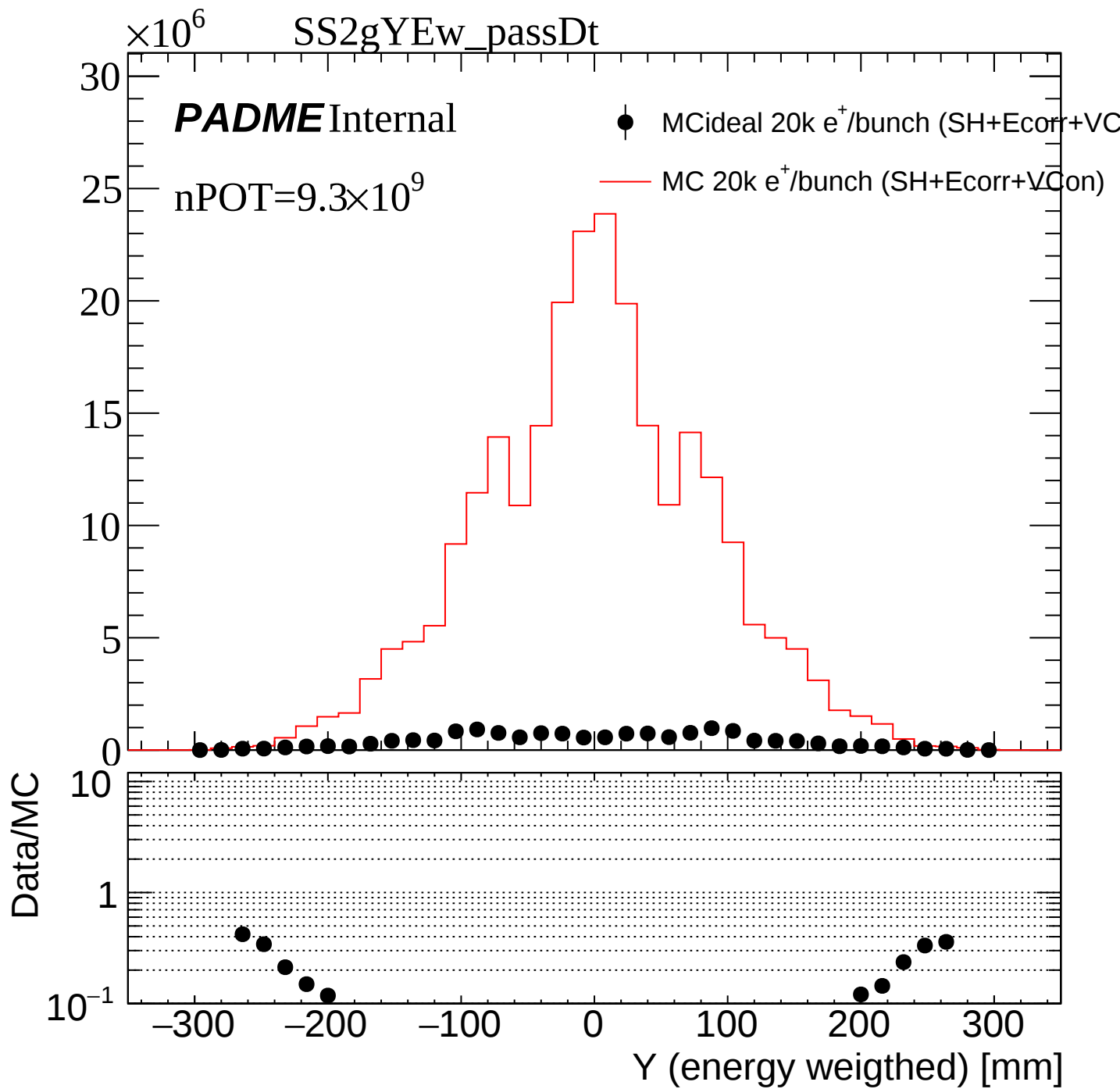


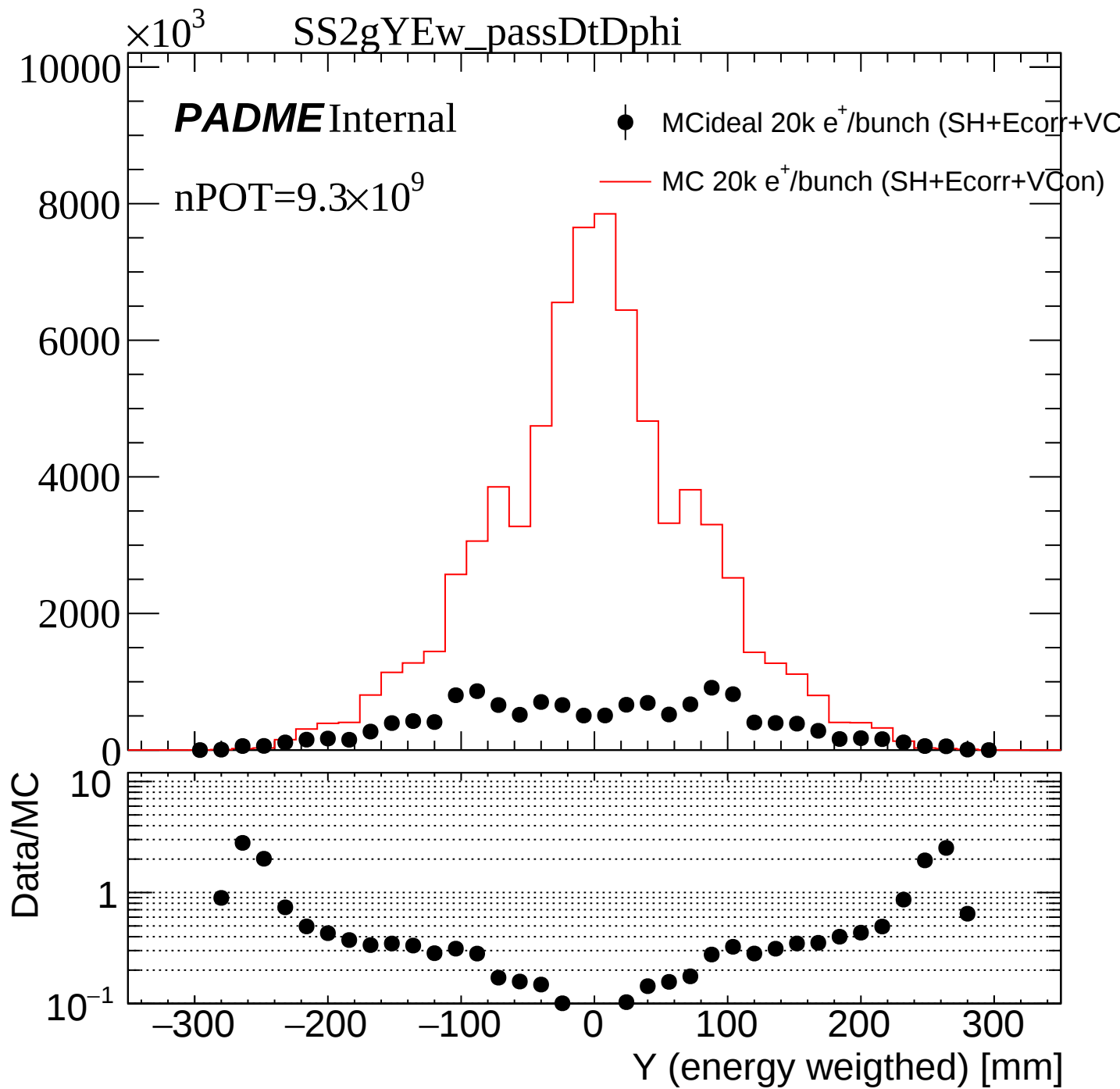












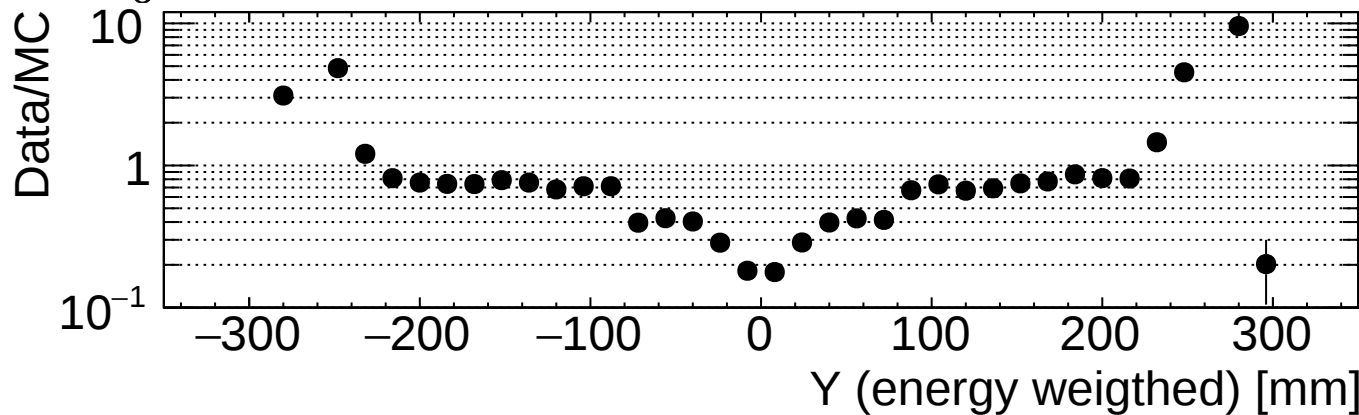
$\times 10^3$ SS2gYEw_passDtDphiCog

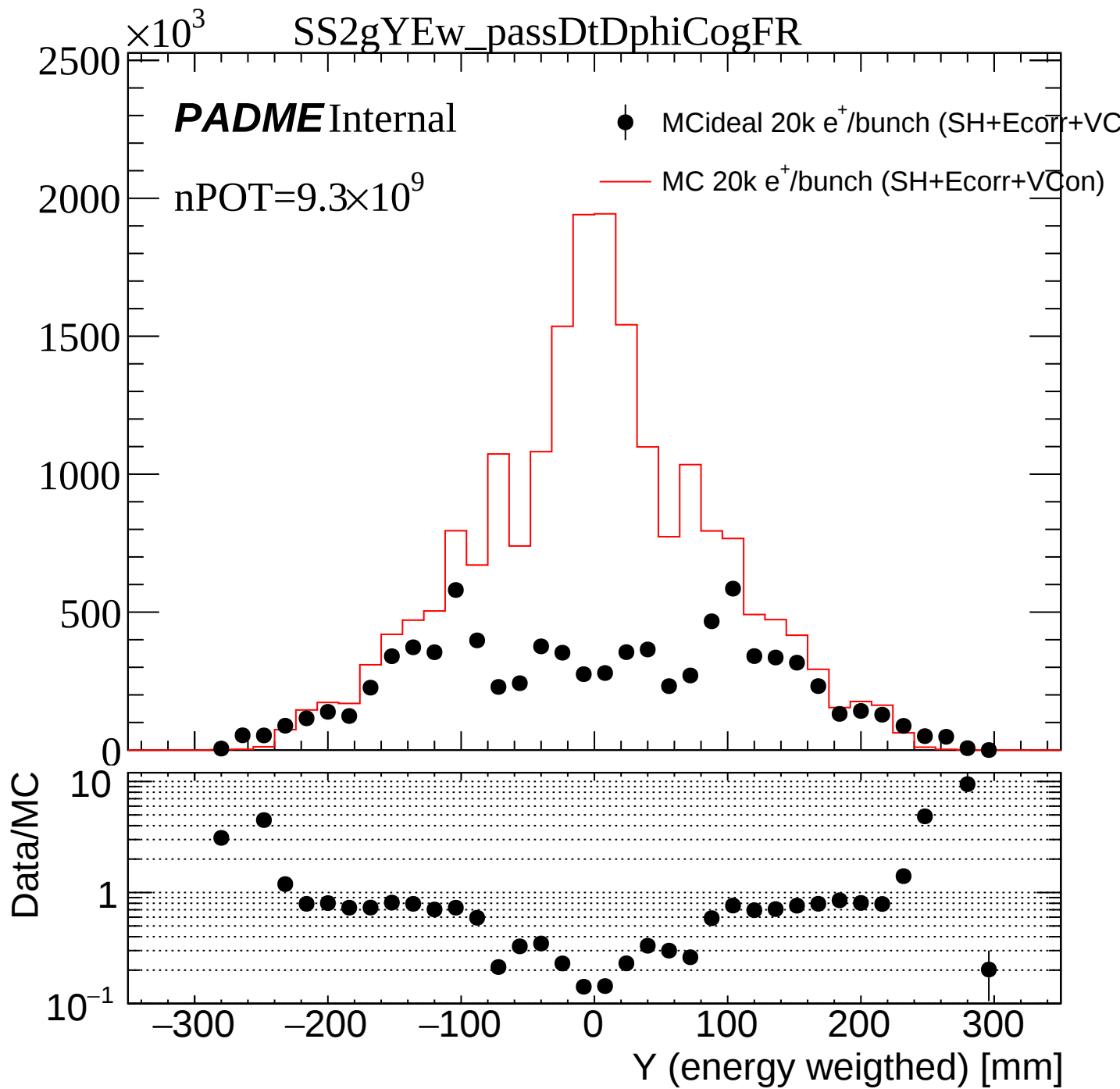
PADME Internal

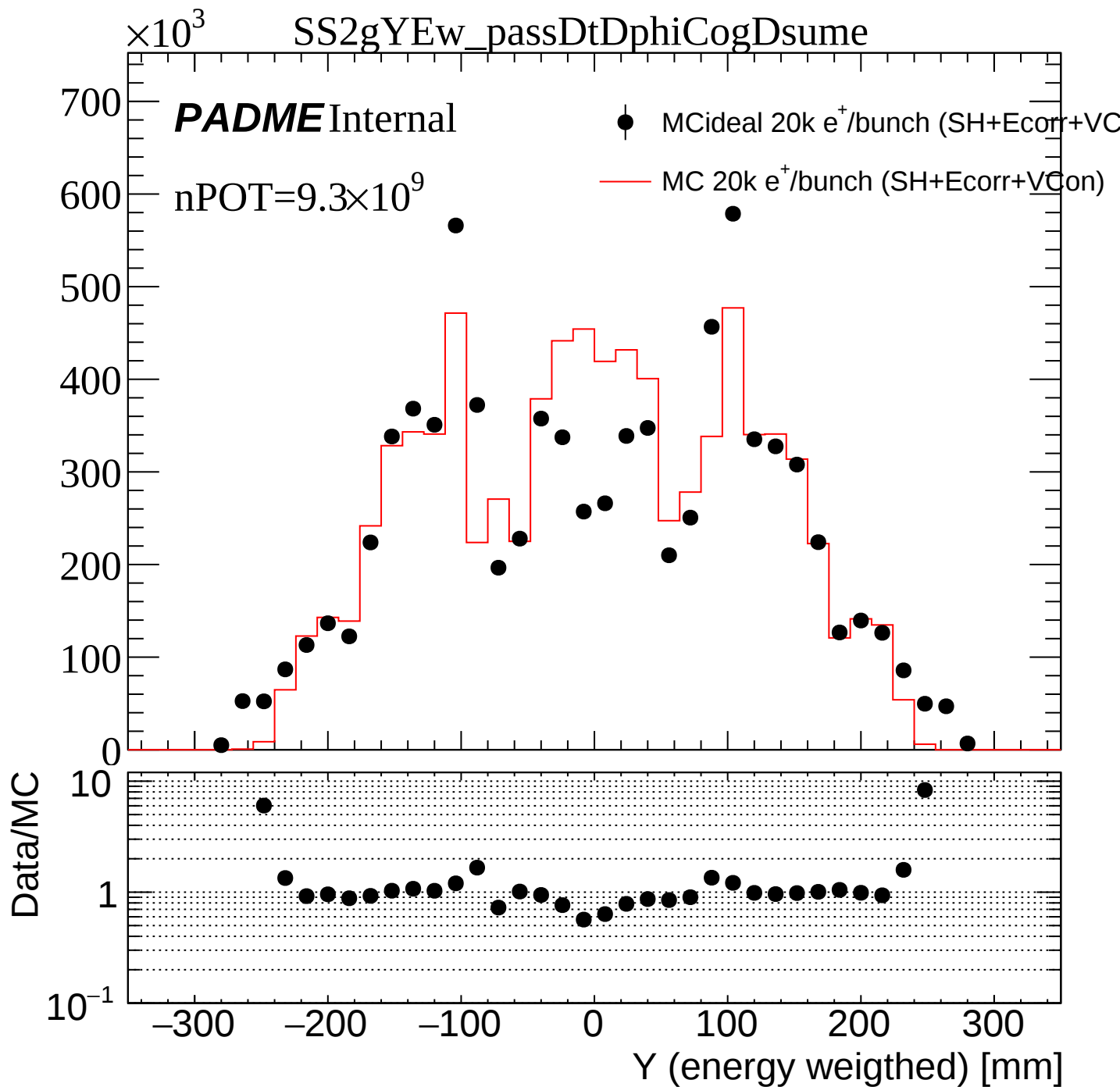
nPOT= 9.3×10^9

● MCideal 20k e⁺/bunch (SH+Ecorr+VC)

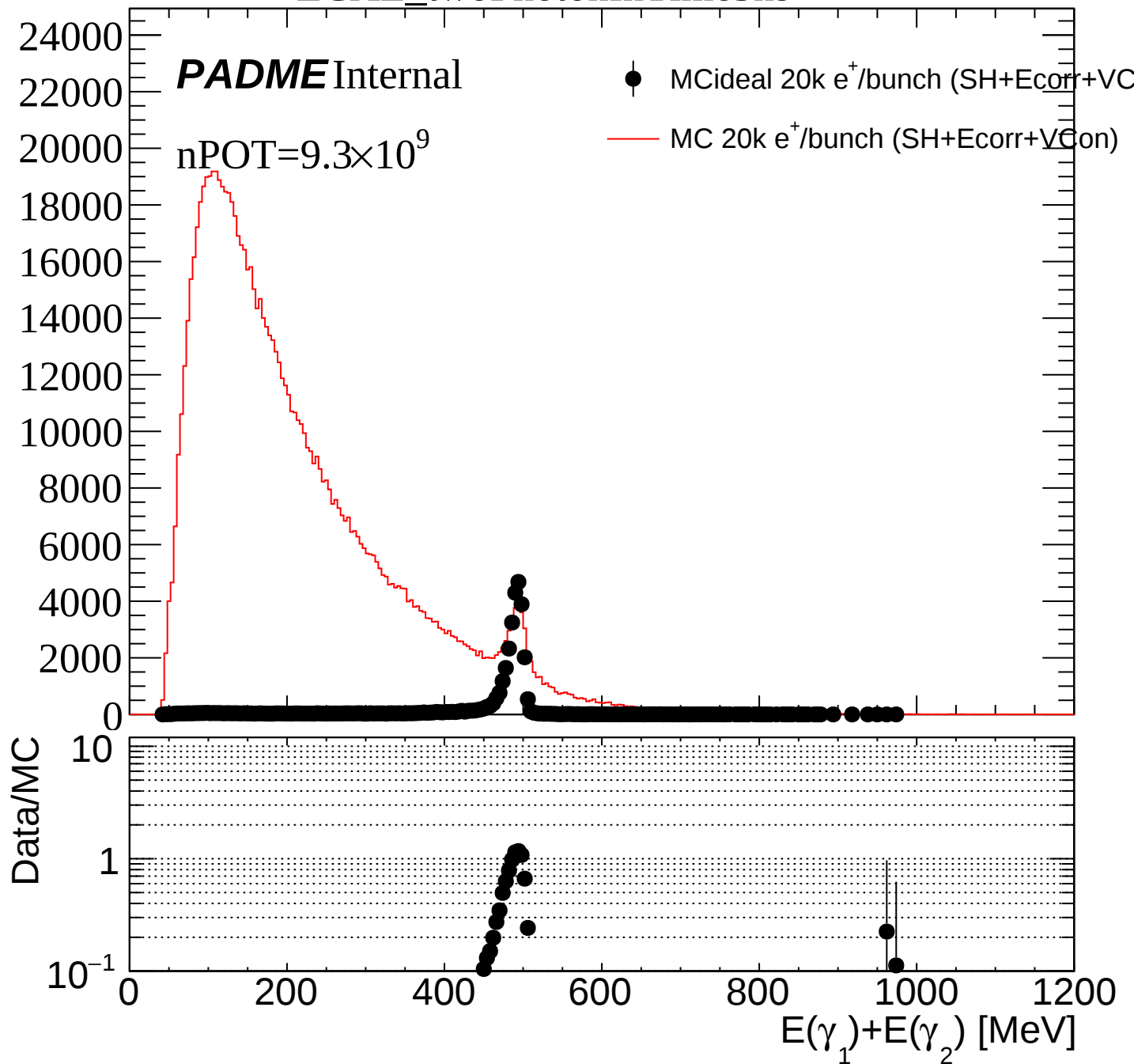
— MC 20k e⁺/bunch (SH+Ecorr+VCon)



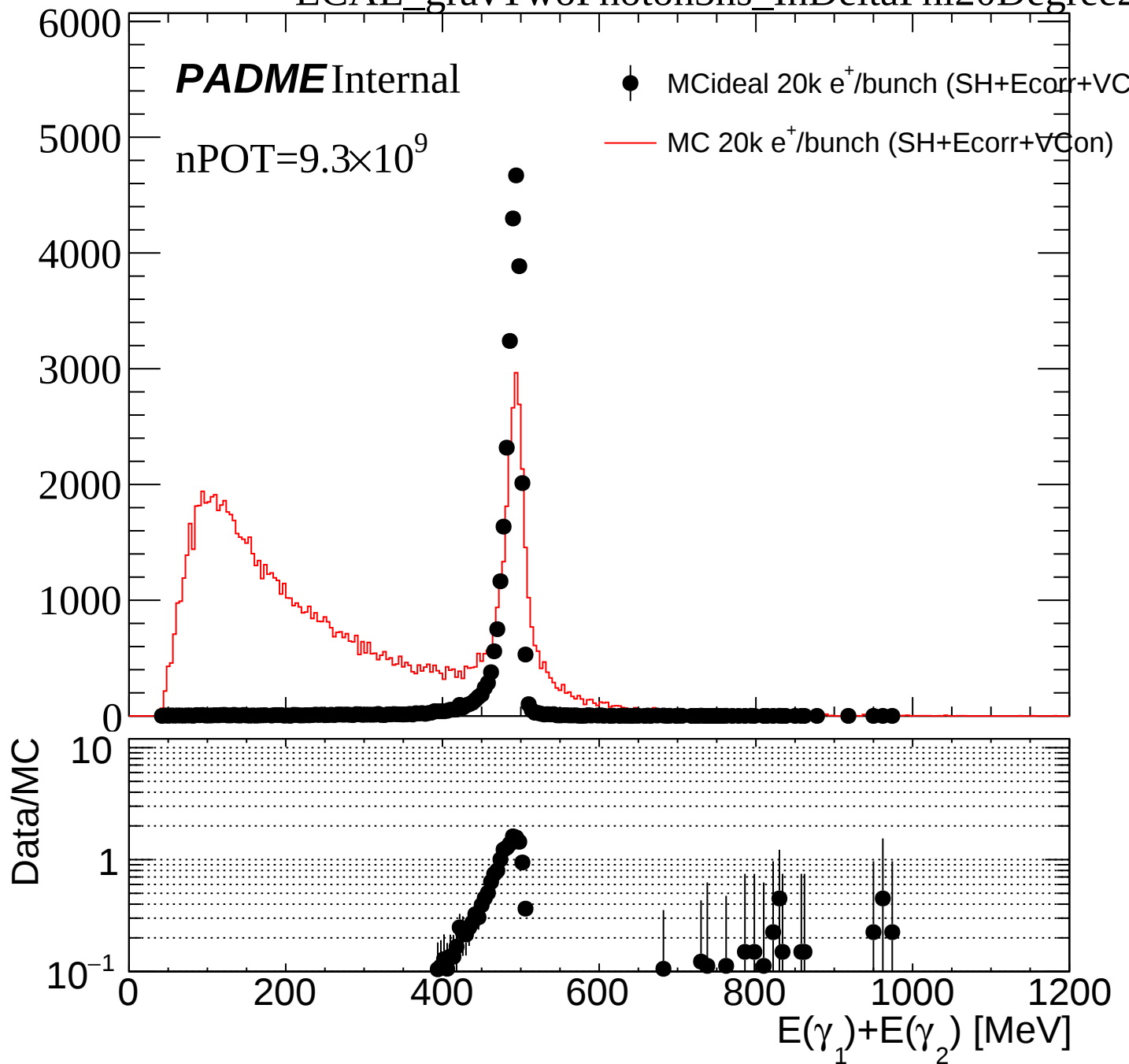




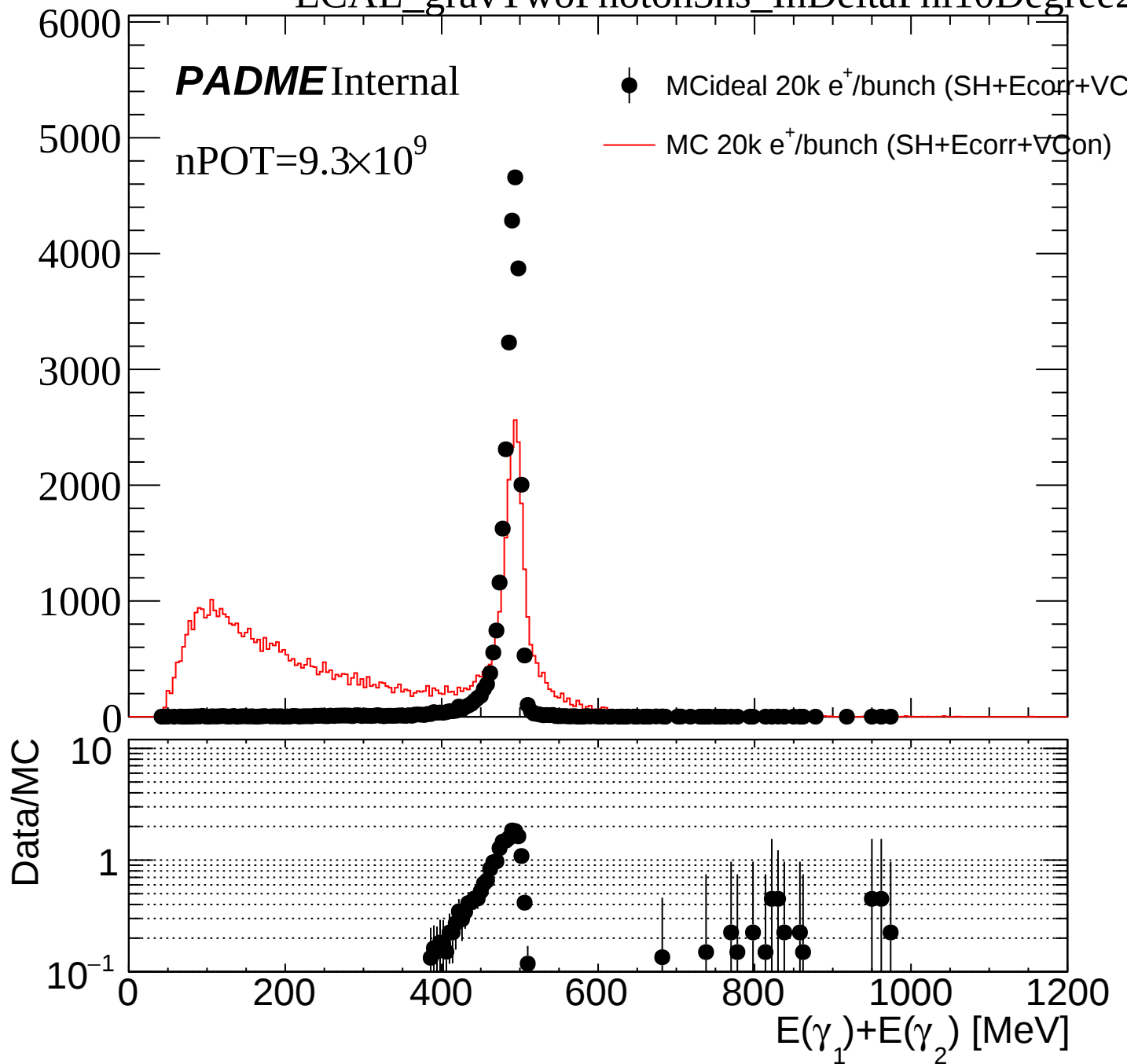
ECAL_twoPhotonInTime3ns



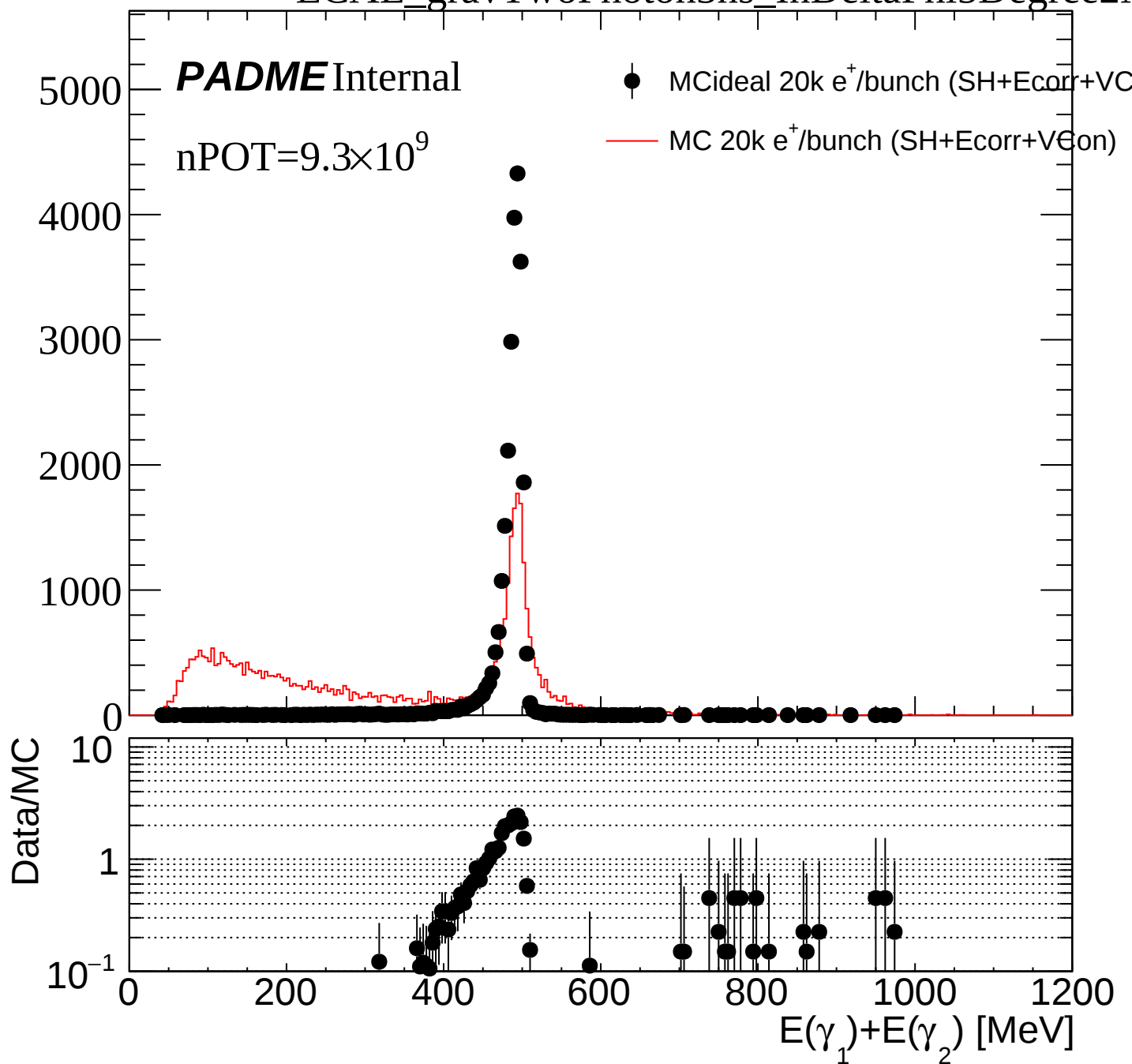
ECAL_gravTwoPhoton3ns_InDeltaPhi20Degree2



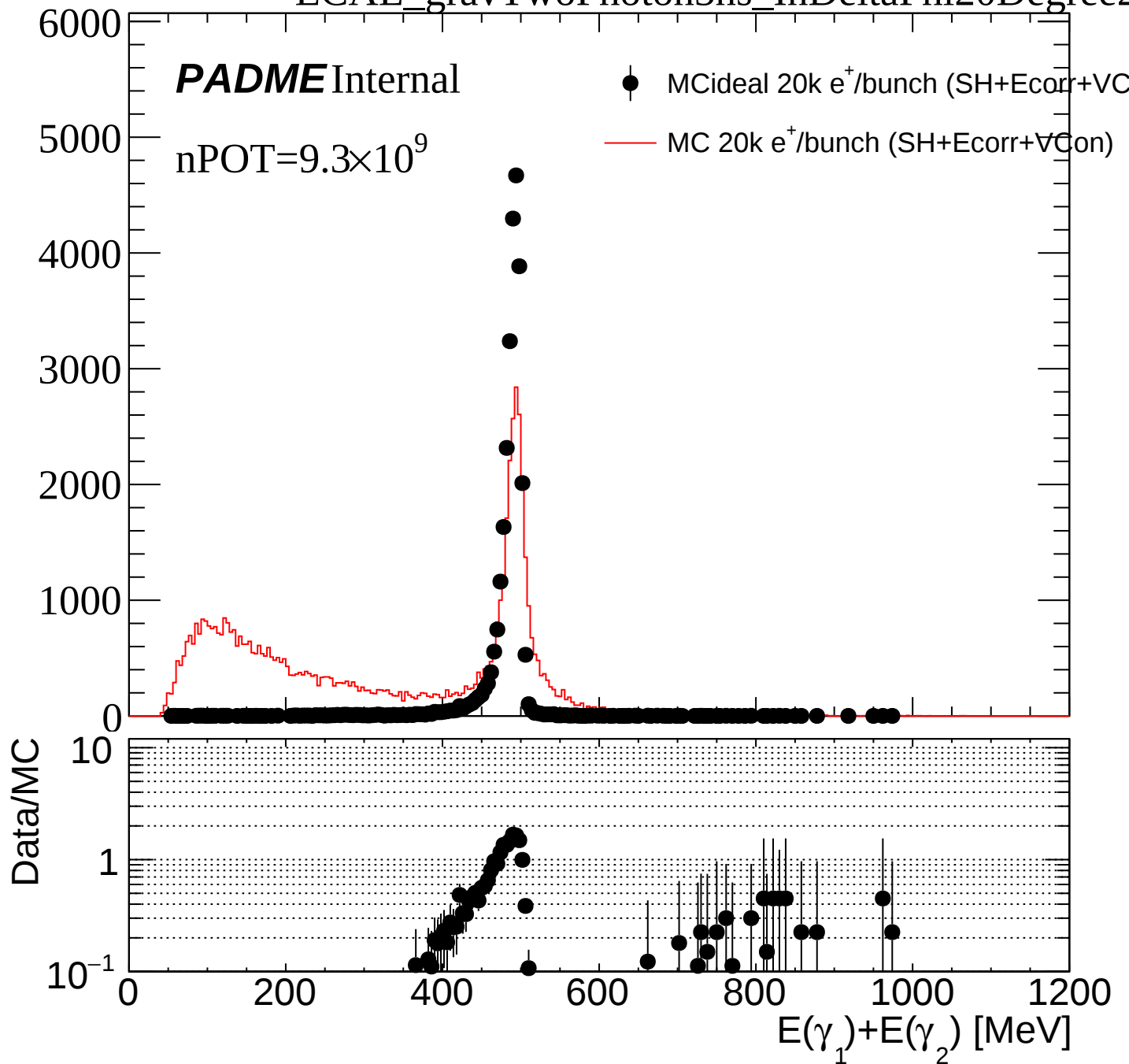
ECAL_gravTwoPhoton3ns_InDeltaPhi10Degree2



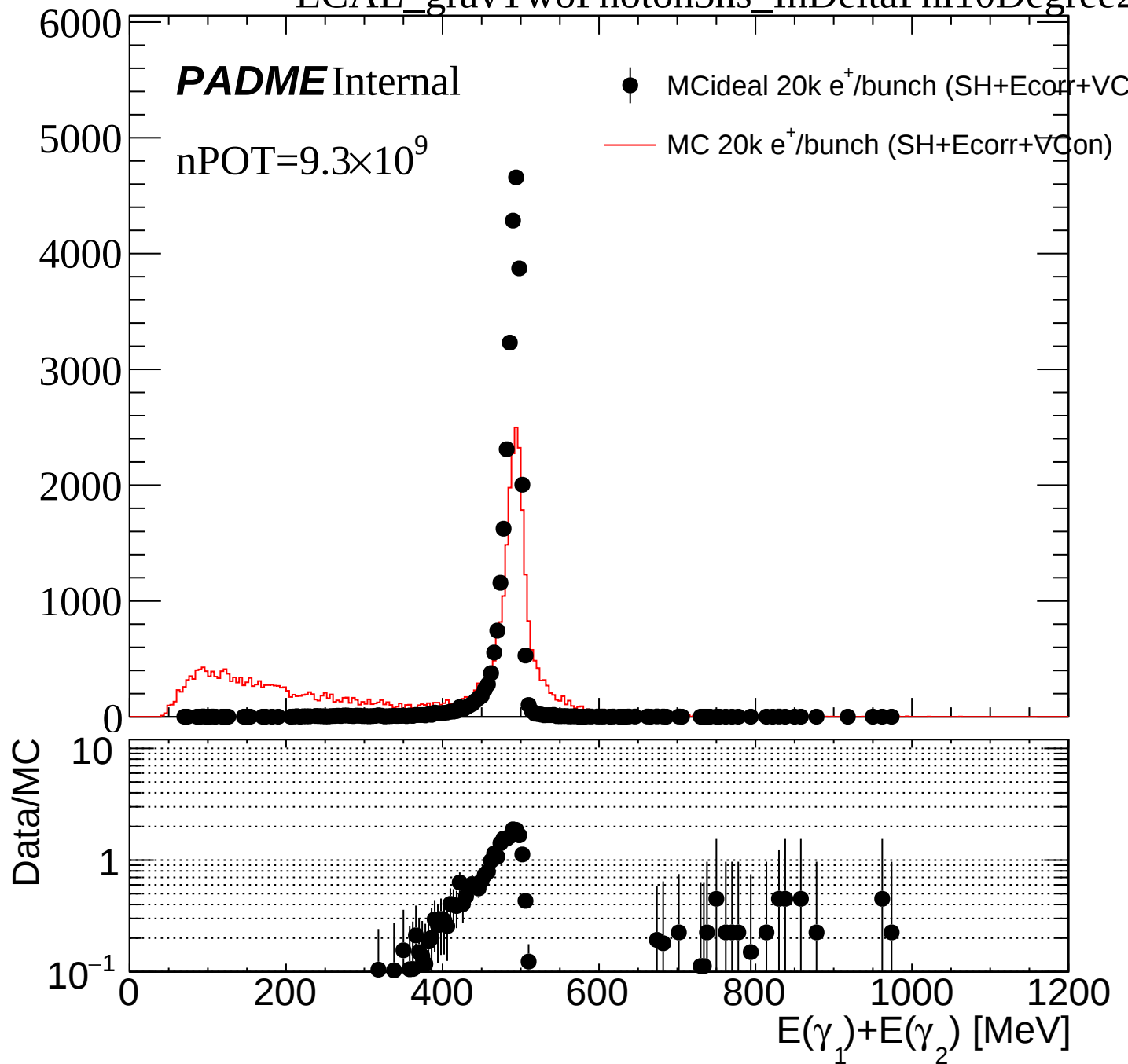
ECAL_gravTwoPhoton3ns_InDeltaPhi5Degree2M



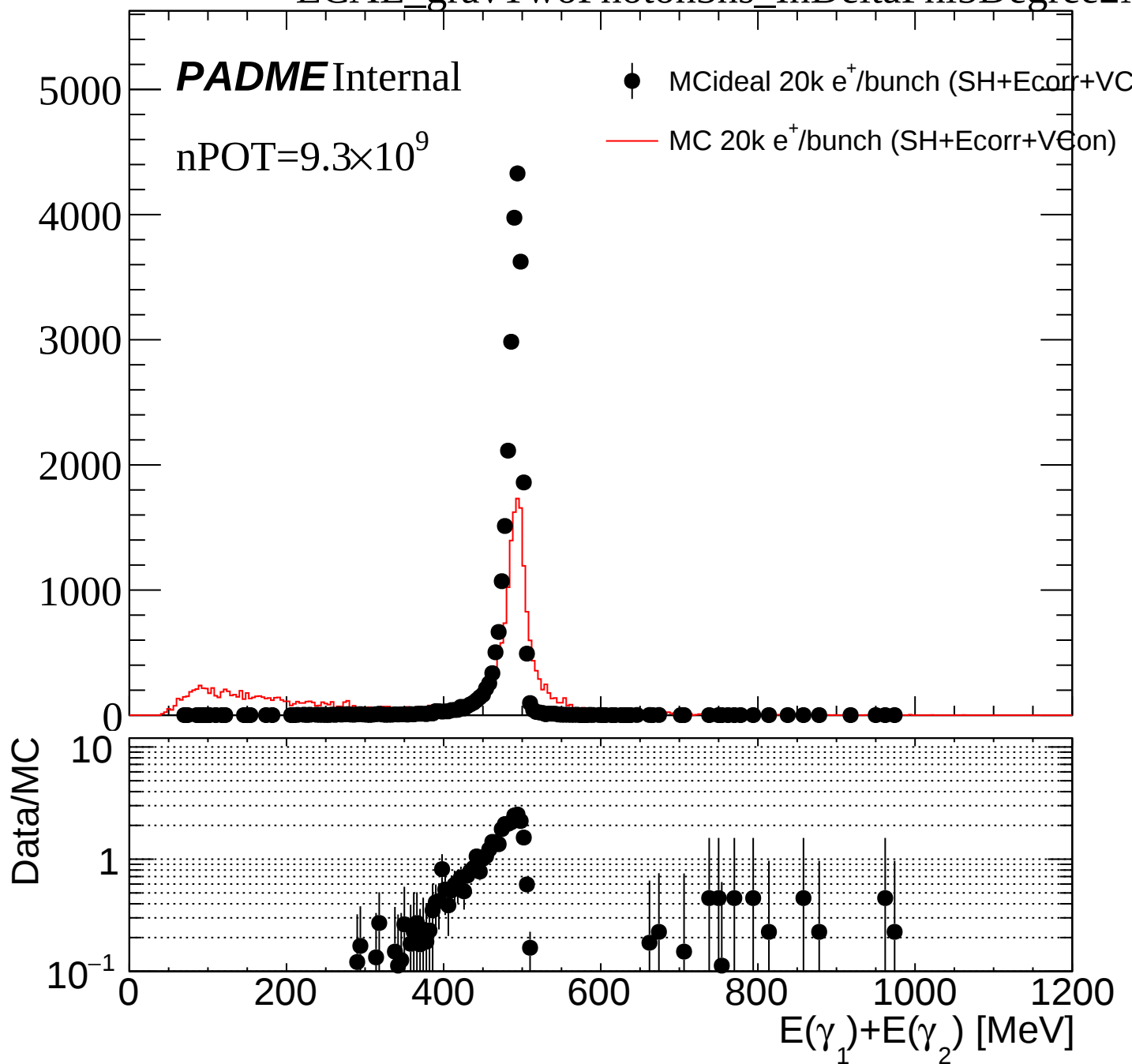
ECAL_gravTwoPhoton3ns_InDeltaPhi20Degree2



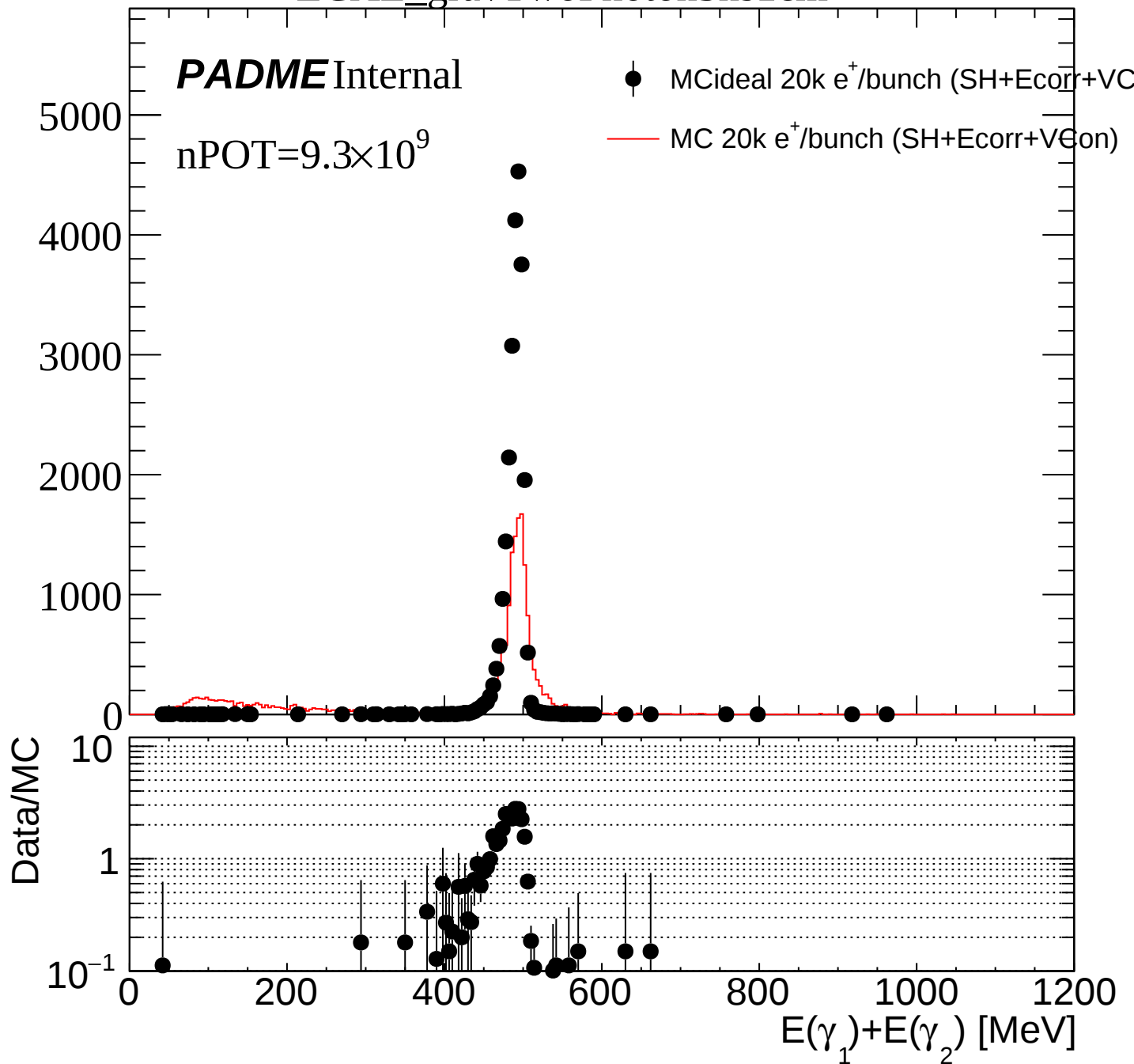
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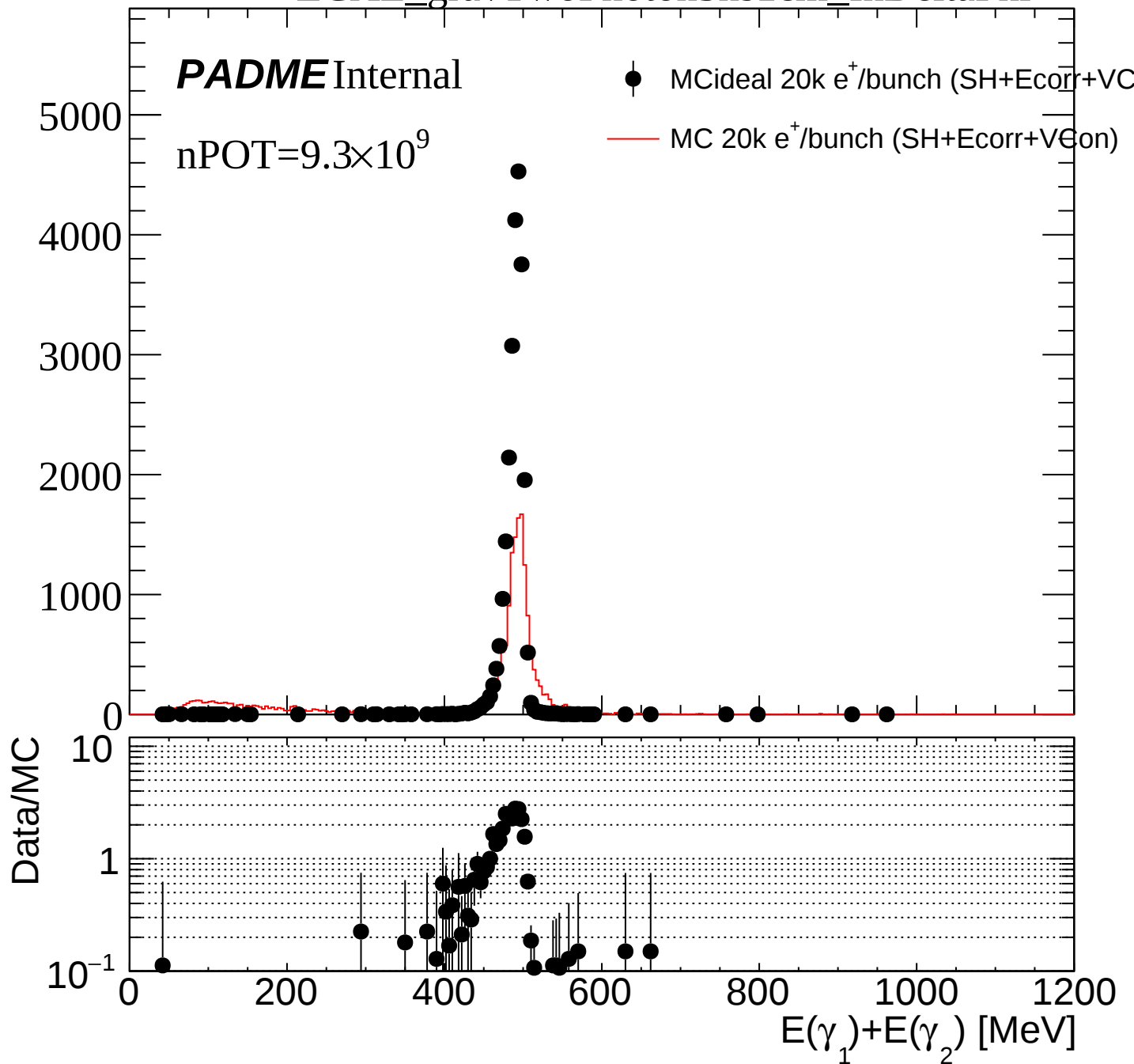
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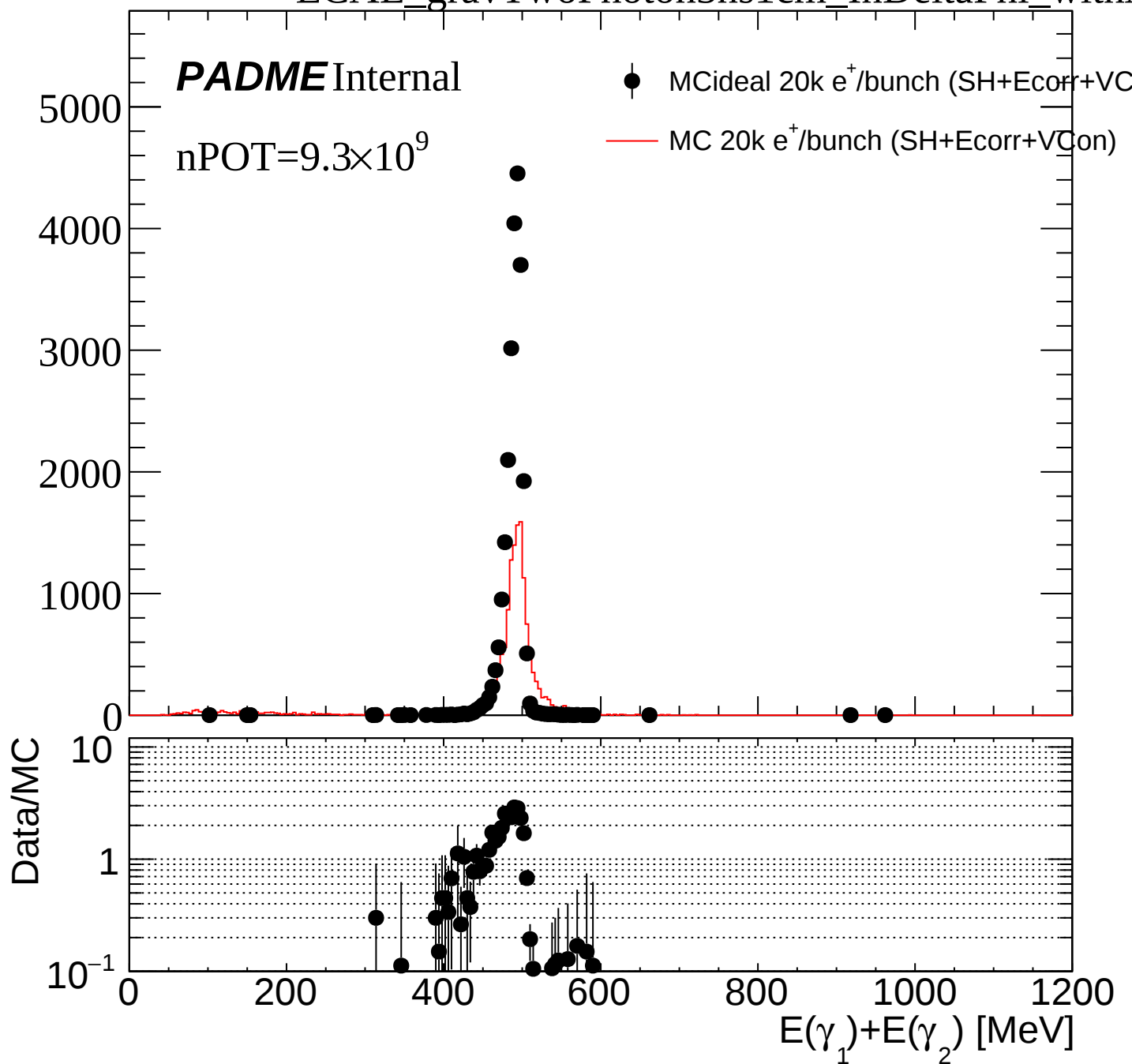


ECAL_gravTwoPhoton3ns1cm

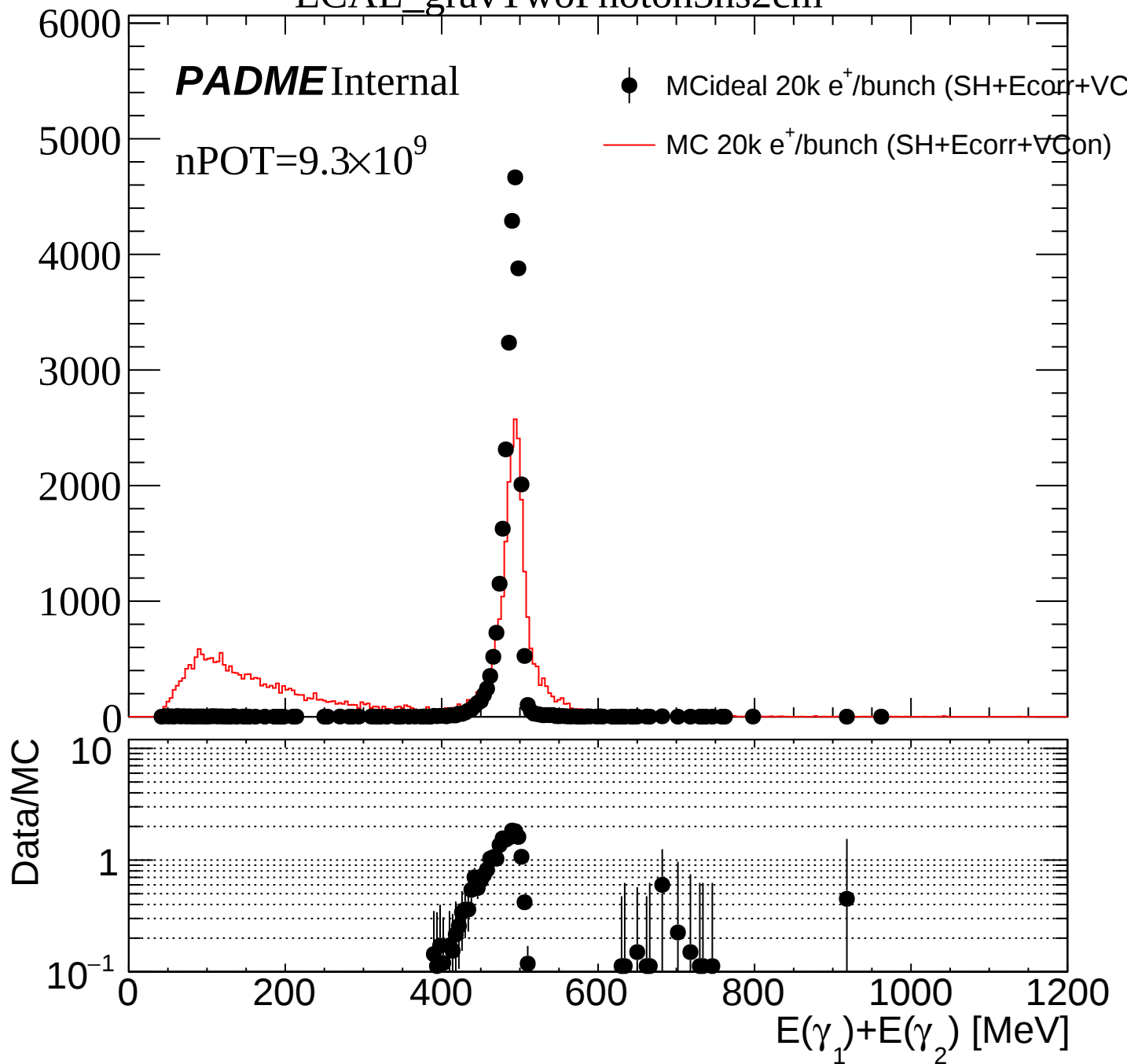


ECAL_gravTwoPhoton3ns1cm_InDeltaPhi

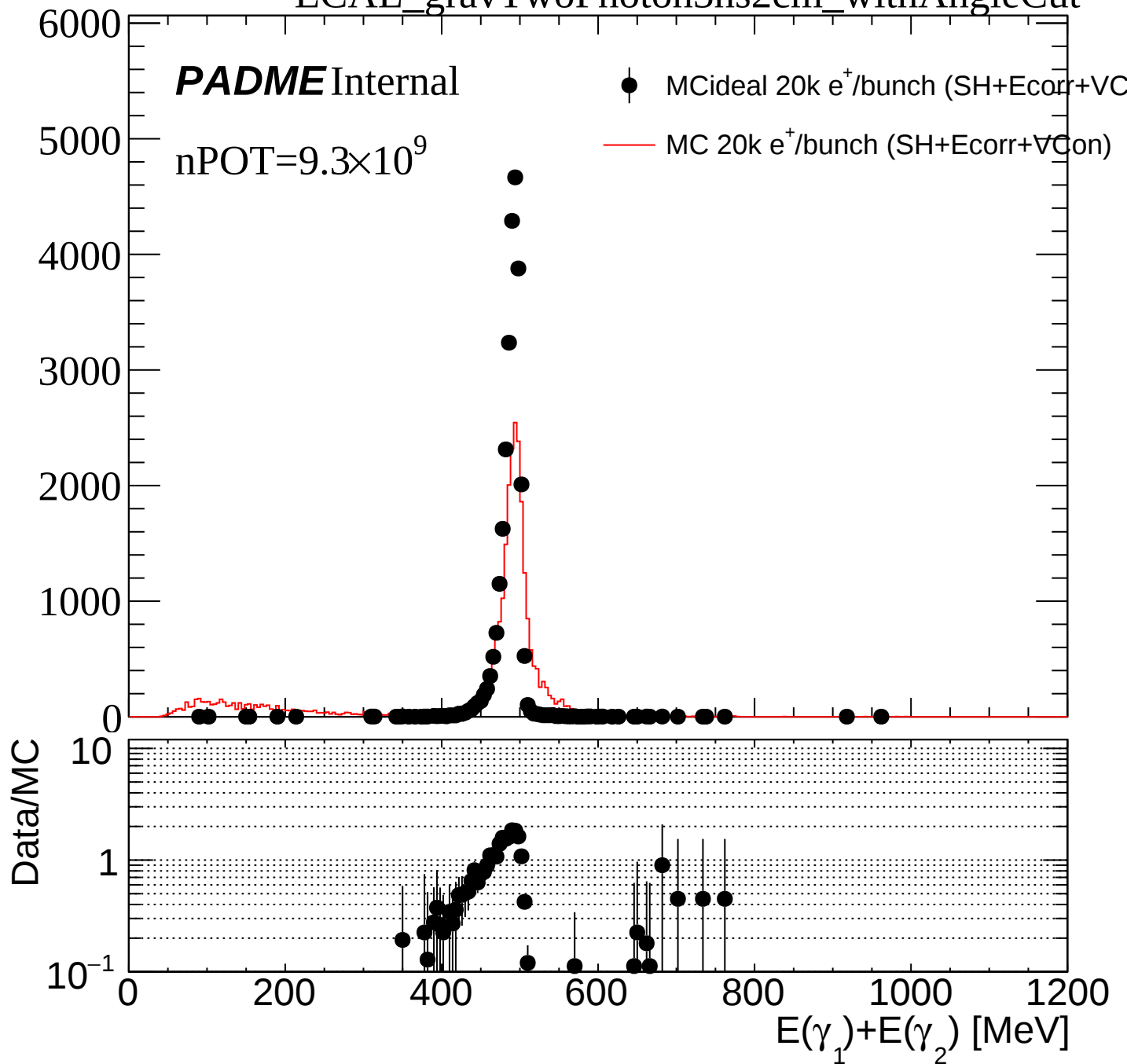




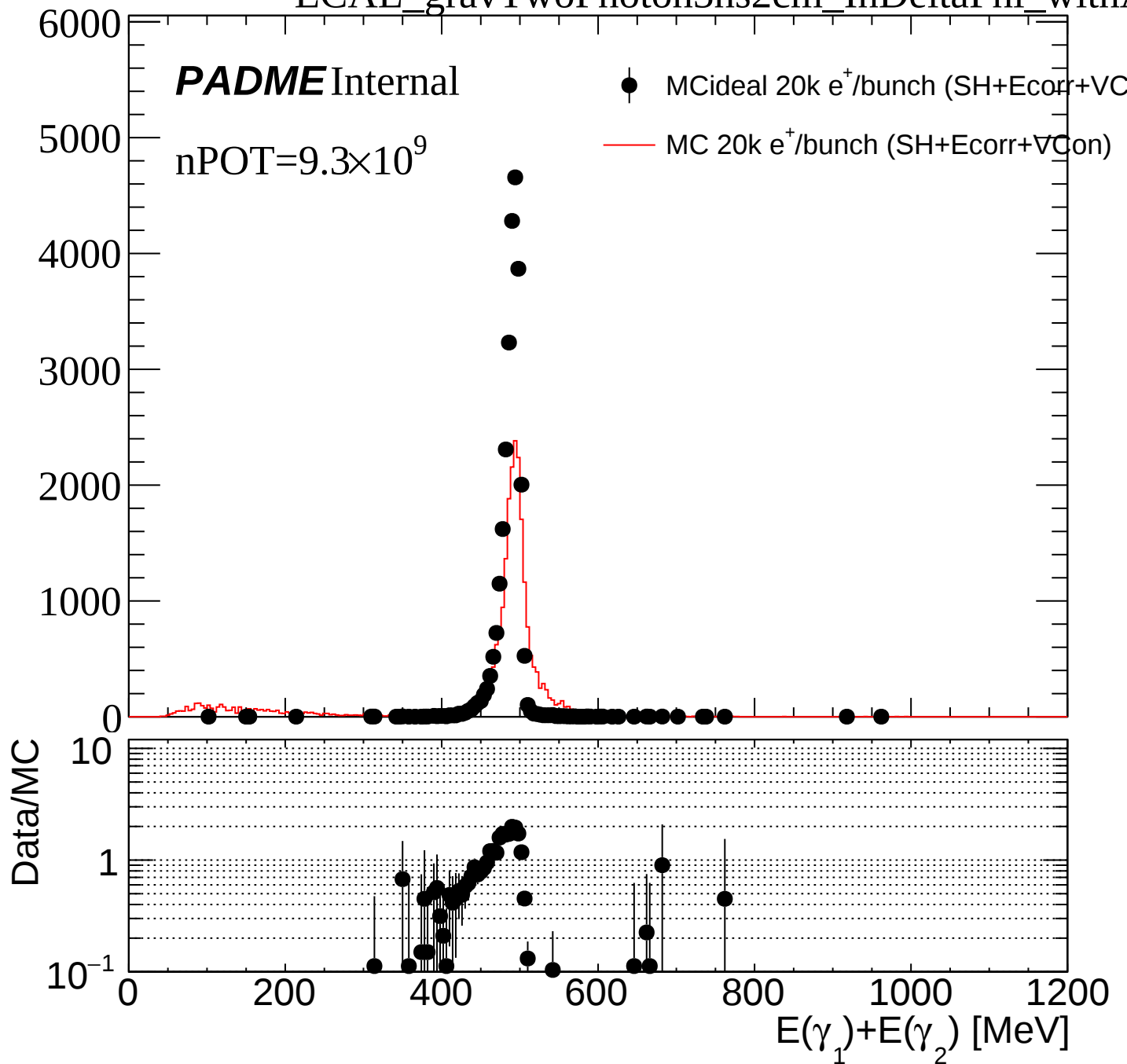
ECAL_gravTwoPhoton3ns2cm



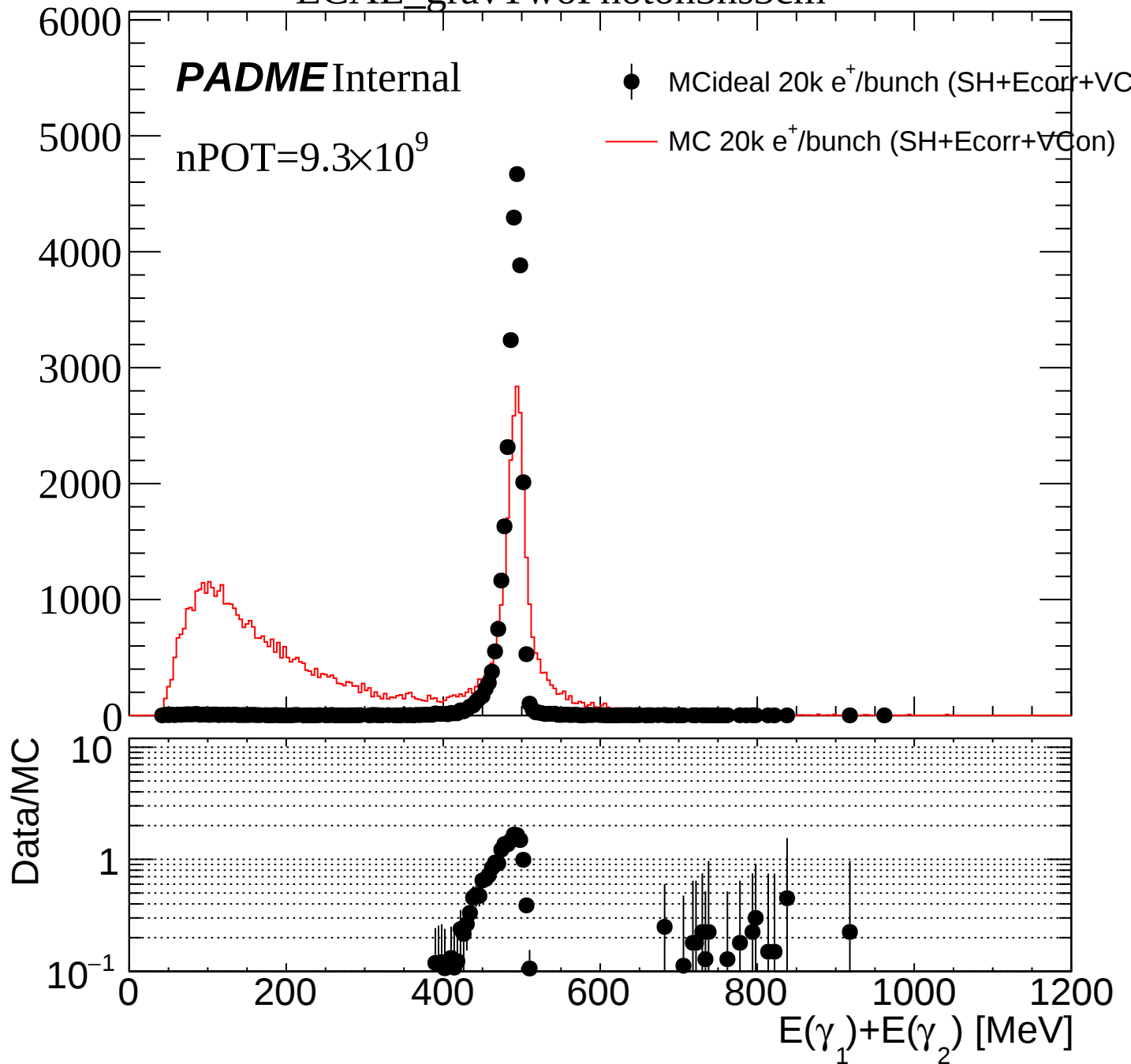
ECAL_gravTwoPhoton3ns2cm_withAngleCut



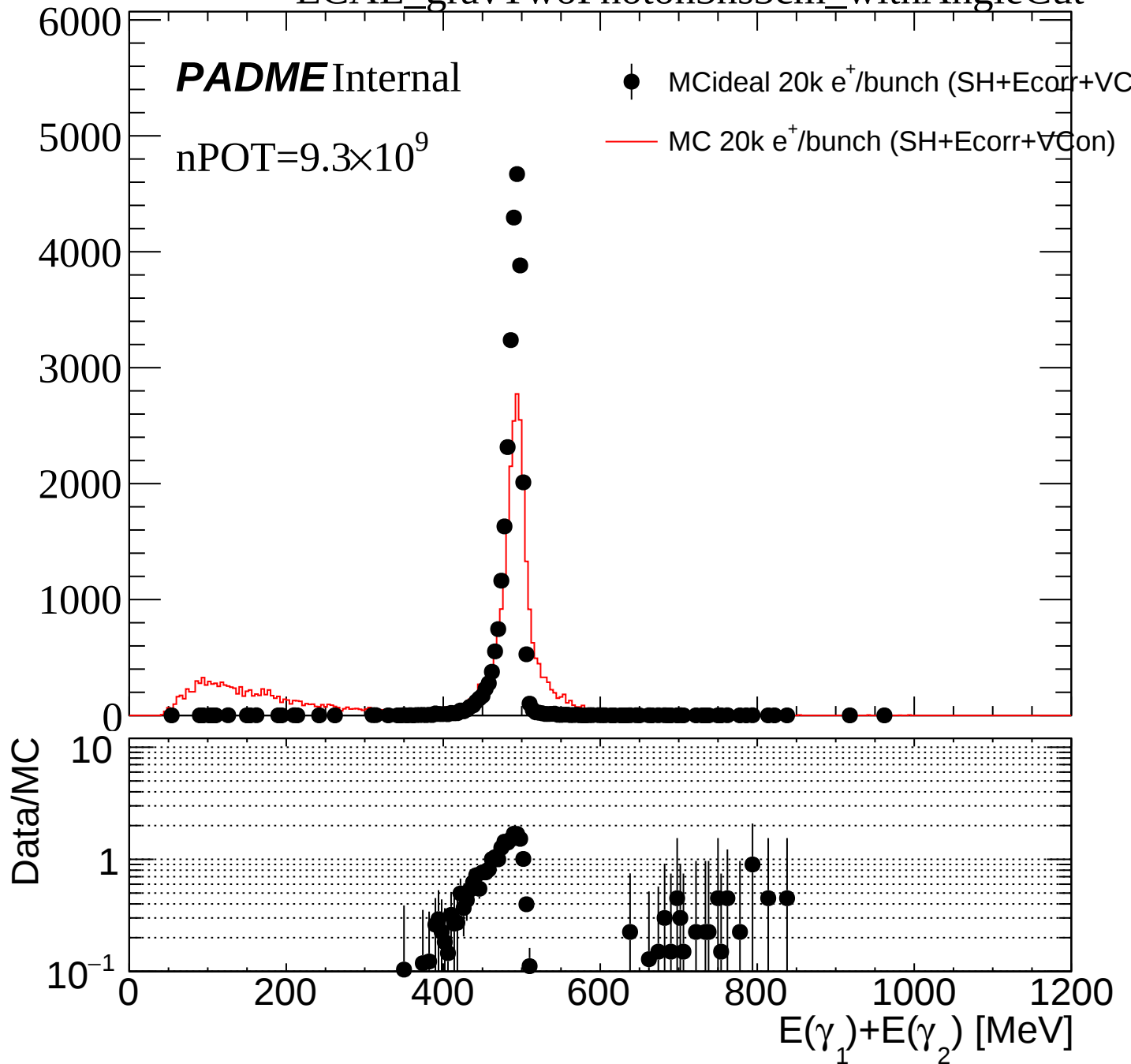
ECAL_gravTwoPhoton3ns2cm_InDeltaPhi_with



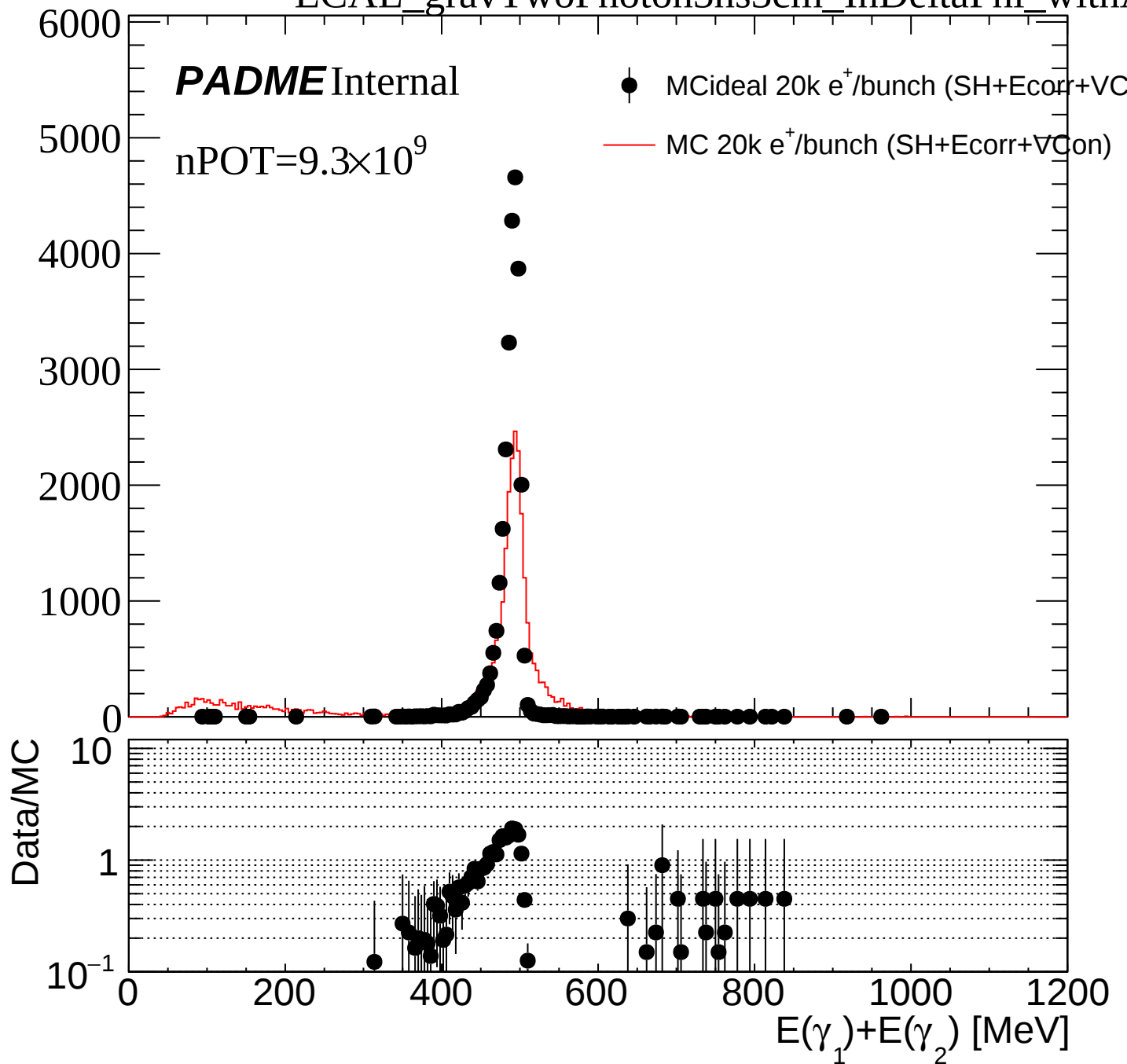
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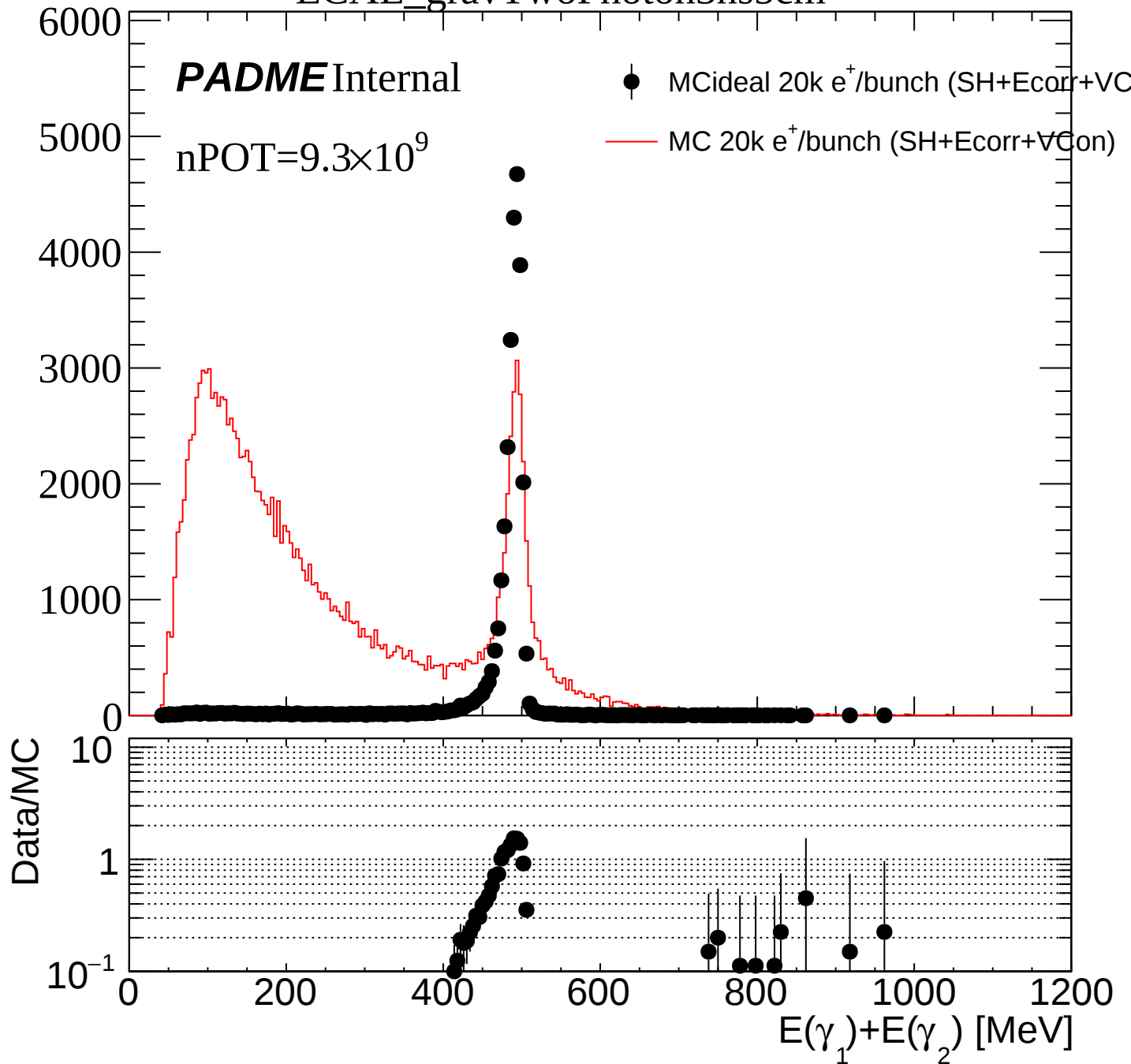
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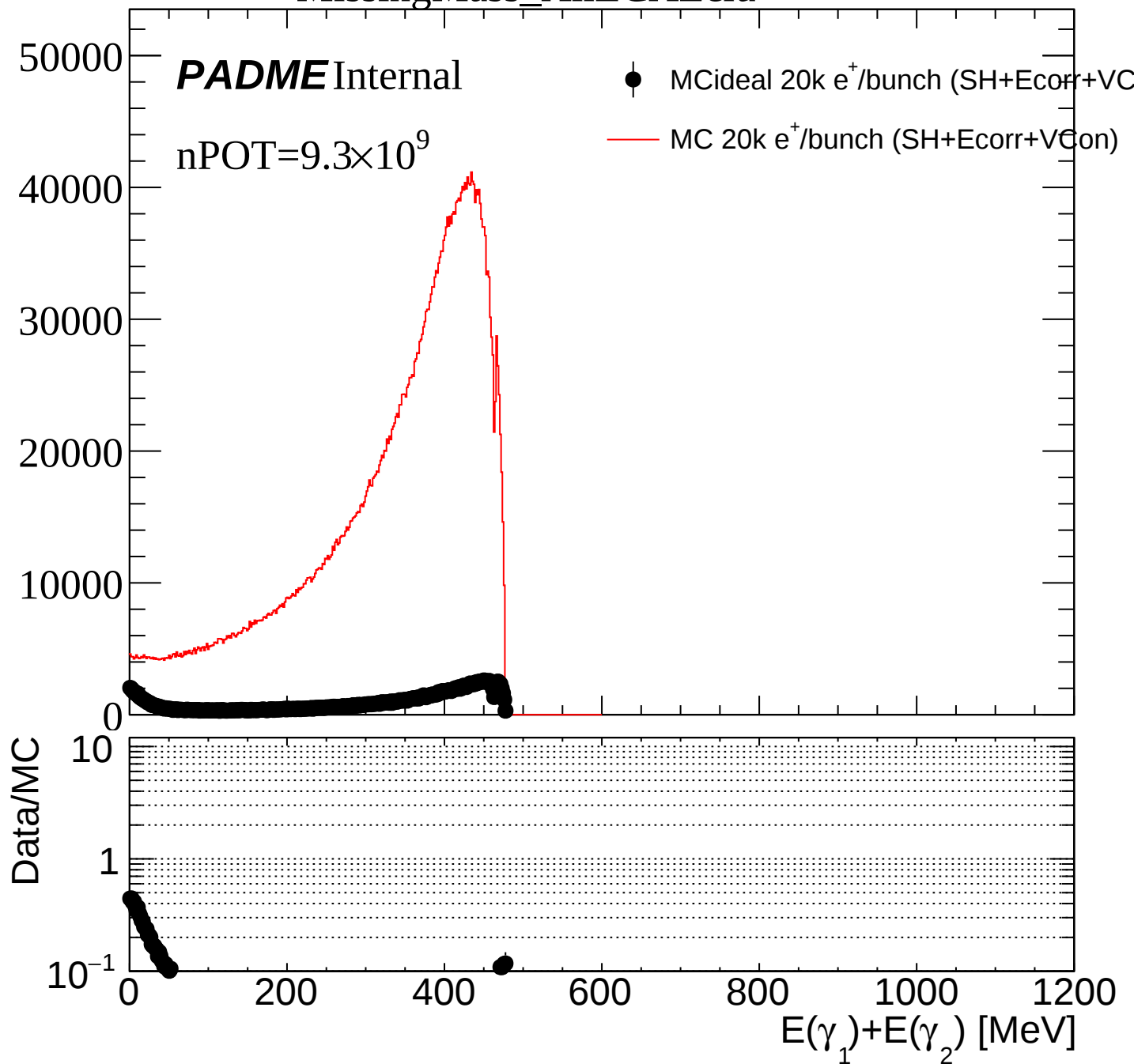
ECAL_gravTwoPhoton3ns3cm_InDeltaPhi_with



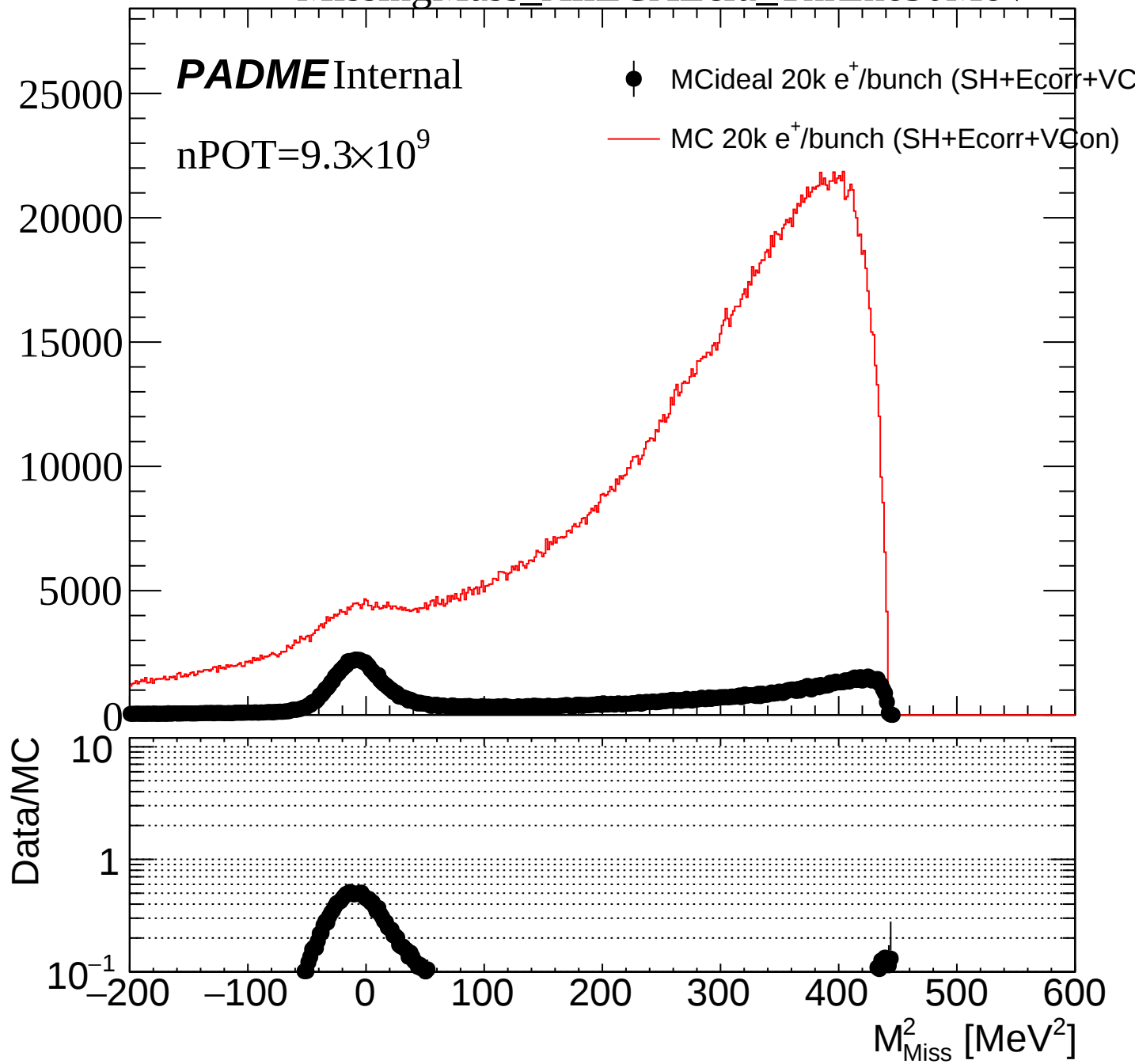
ECAL_gravTwoPhoton3ns5cm



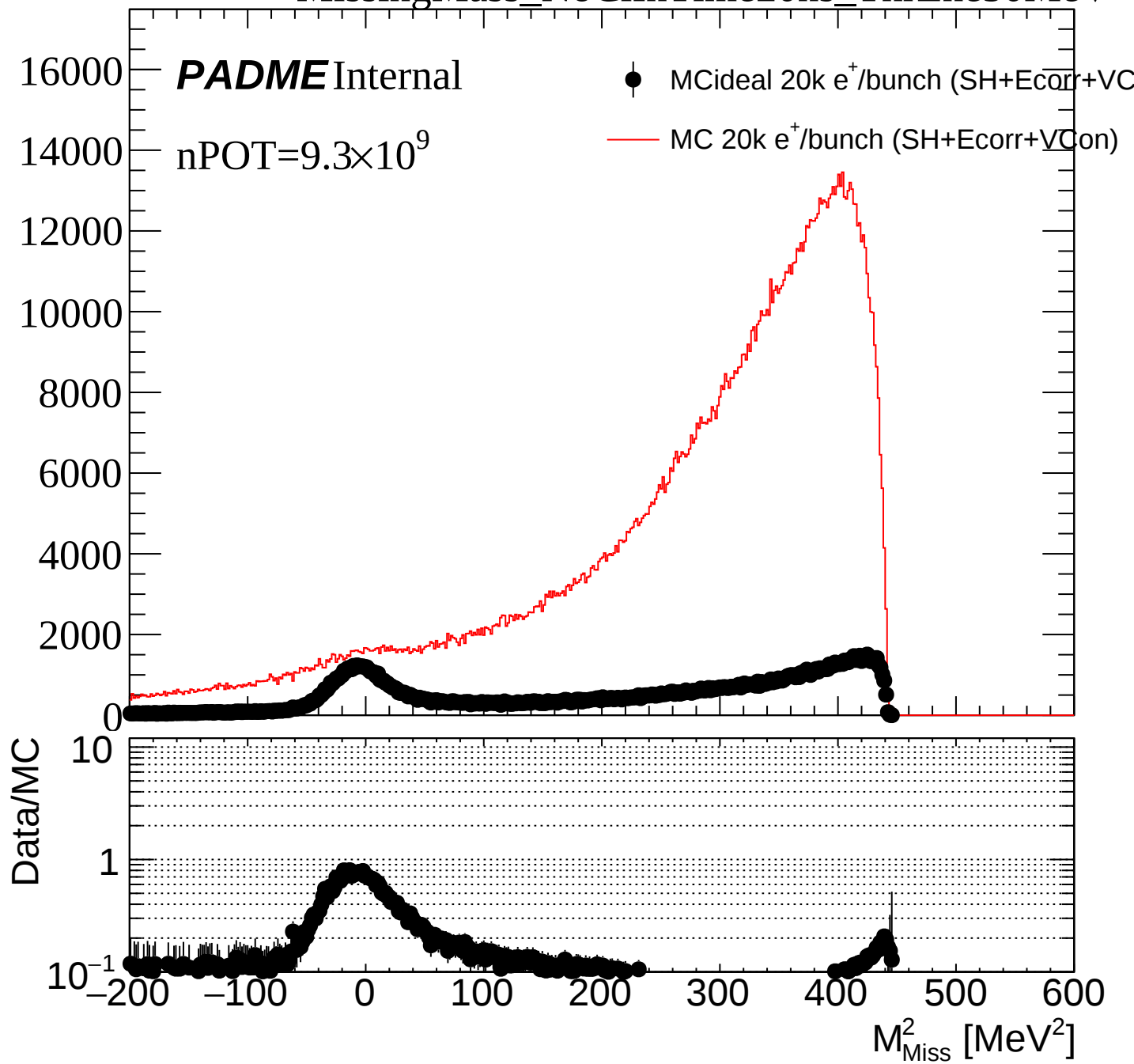
MissingMass_AllECALclu



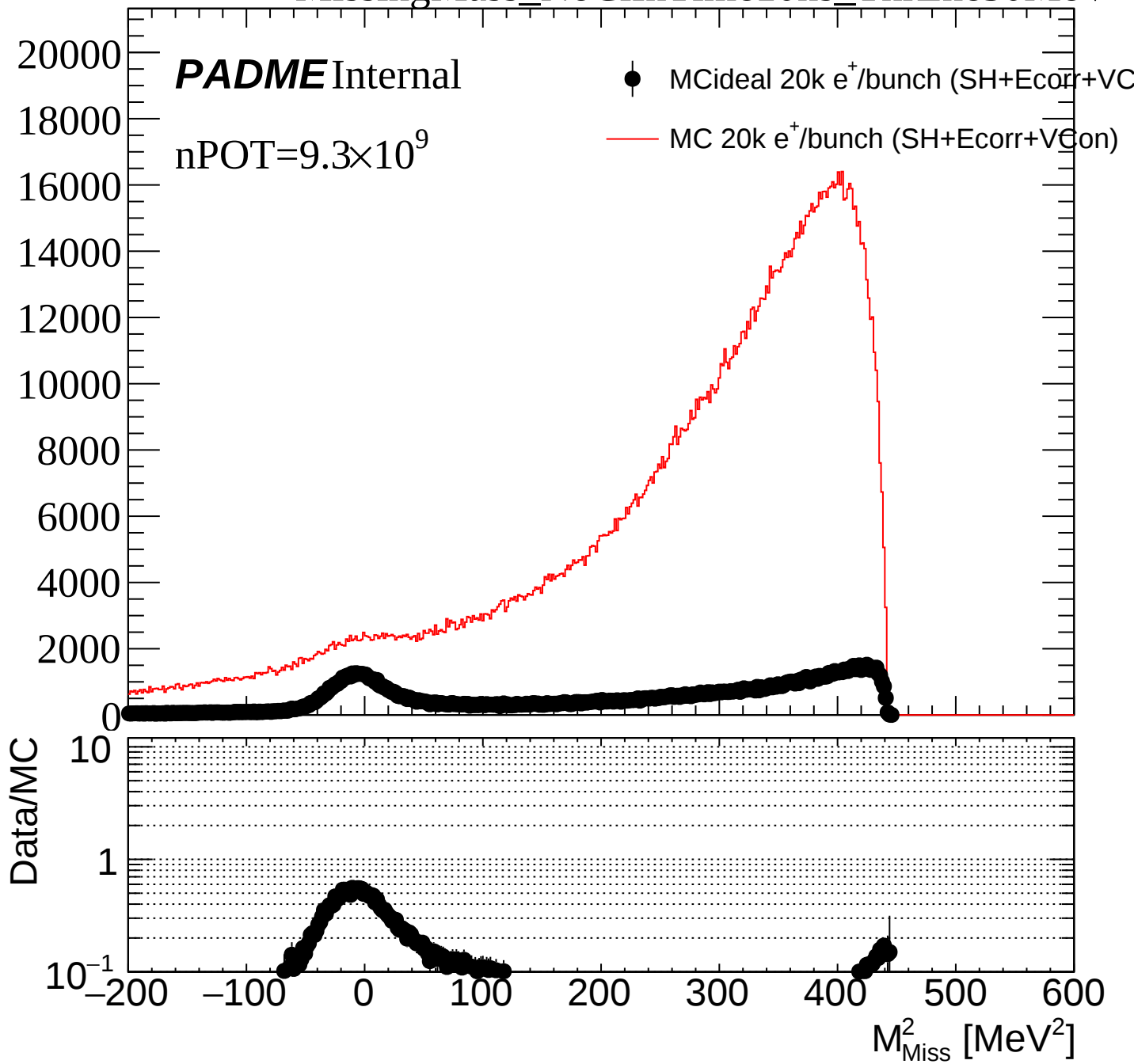
MissingMass_AllECALclu_ThrEne50MeV

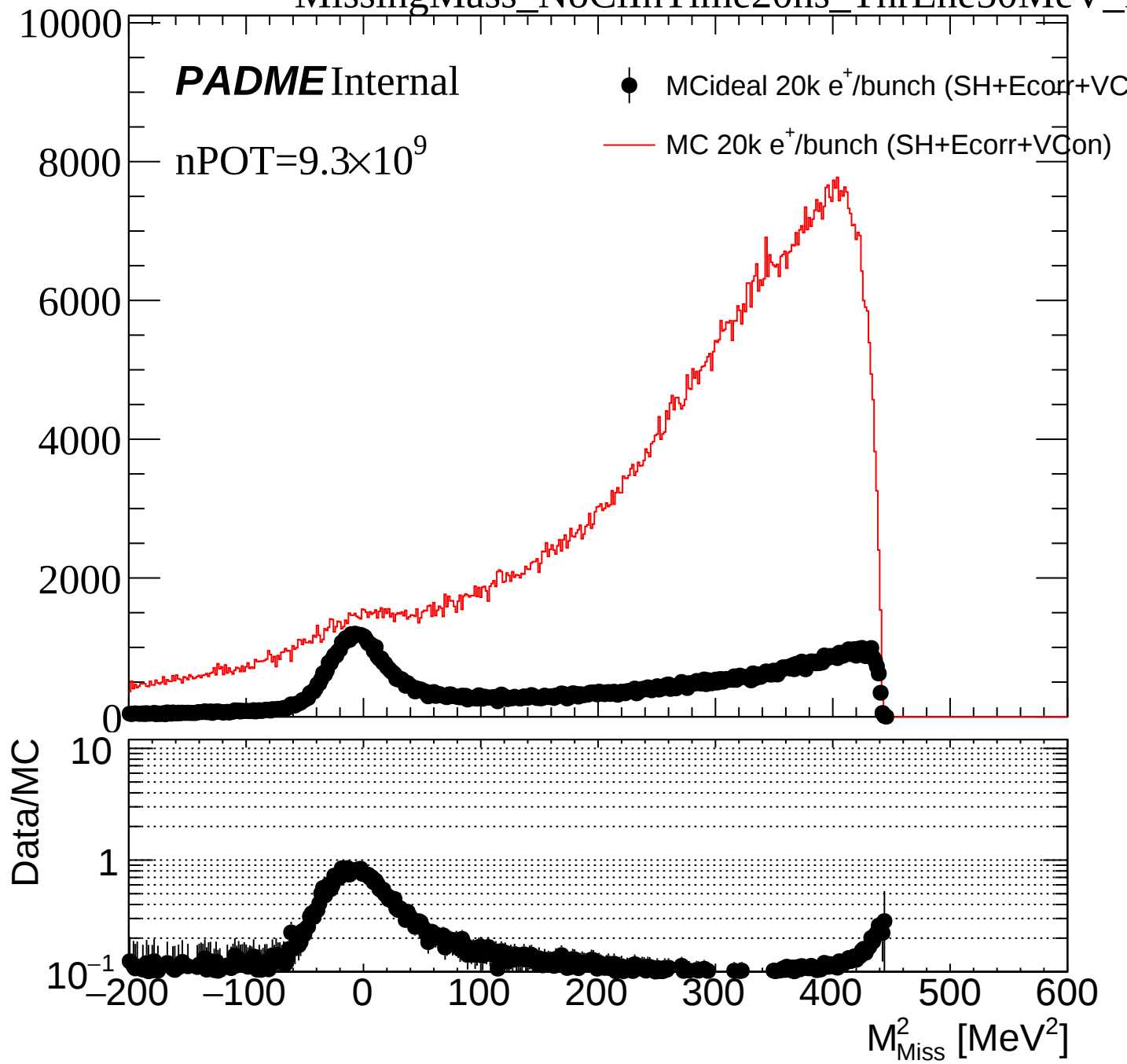


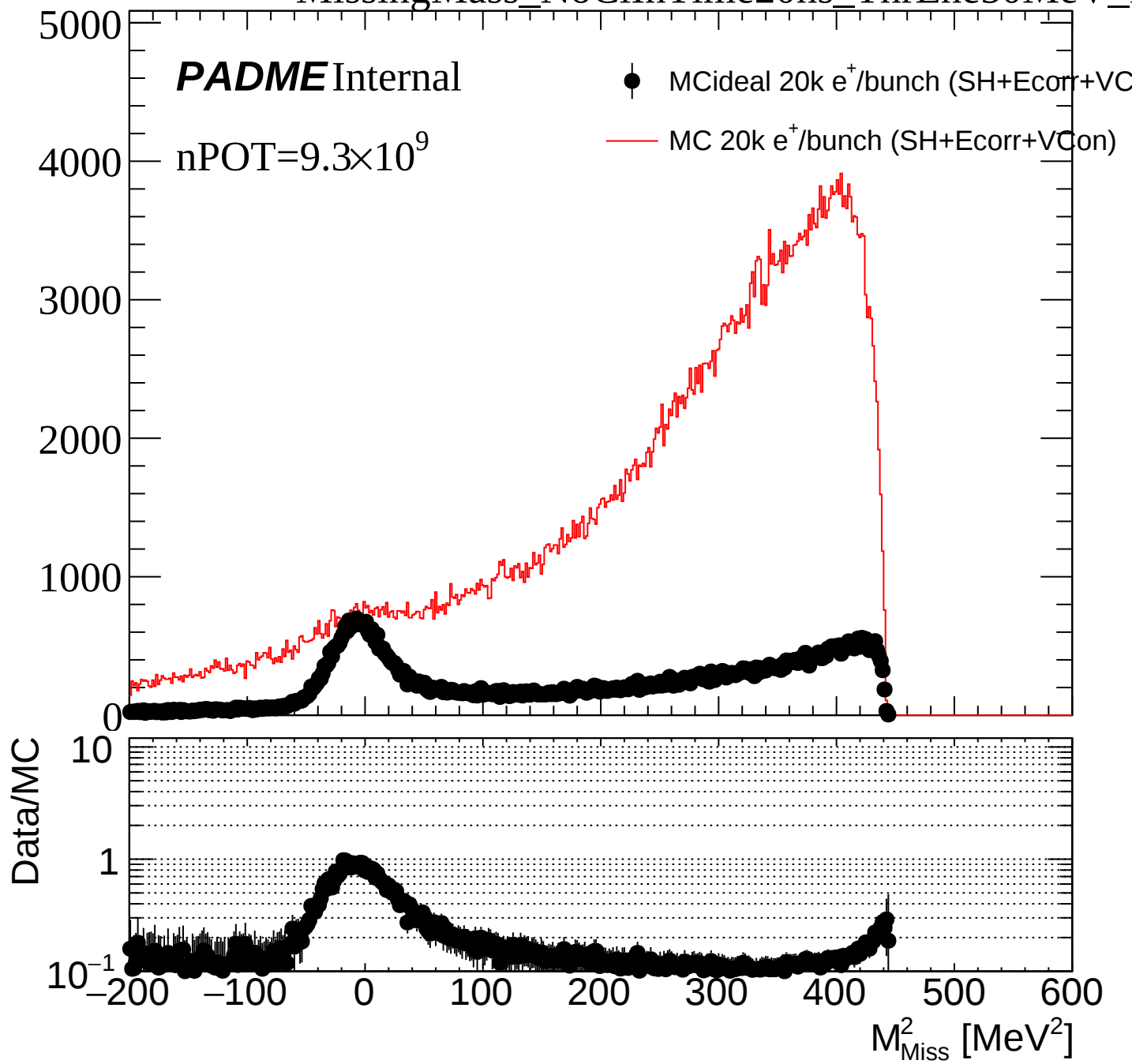
MissingMass_NoClInTime20ns_ThrEne50MeV

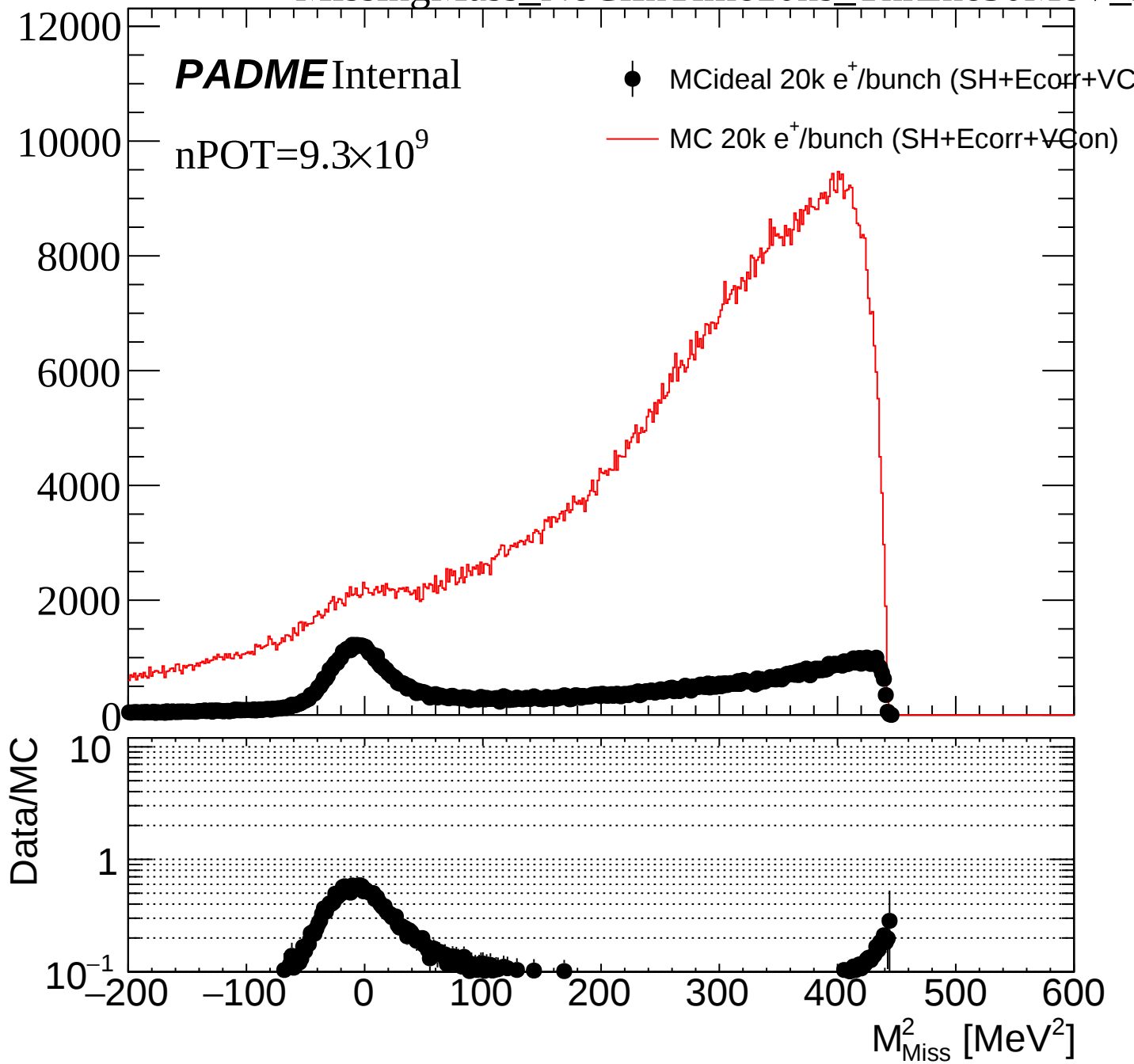


MissingMass_NoClInTime10ns_ThrEne50MeV

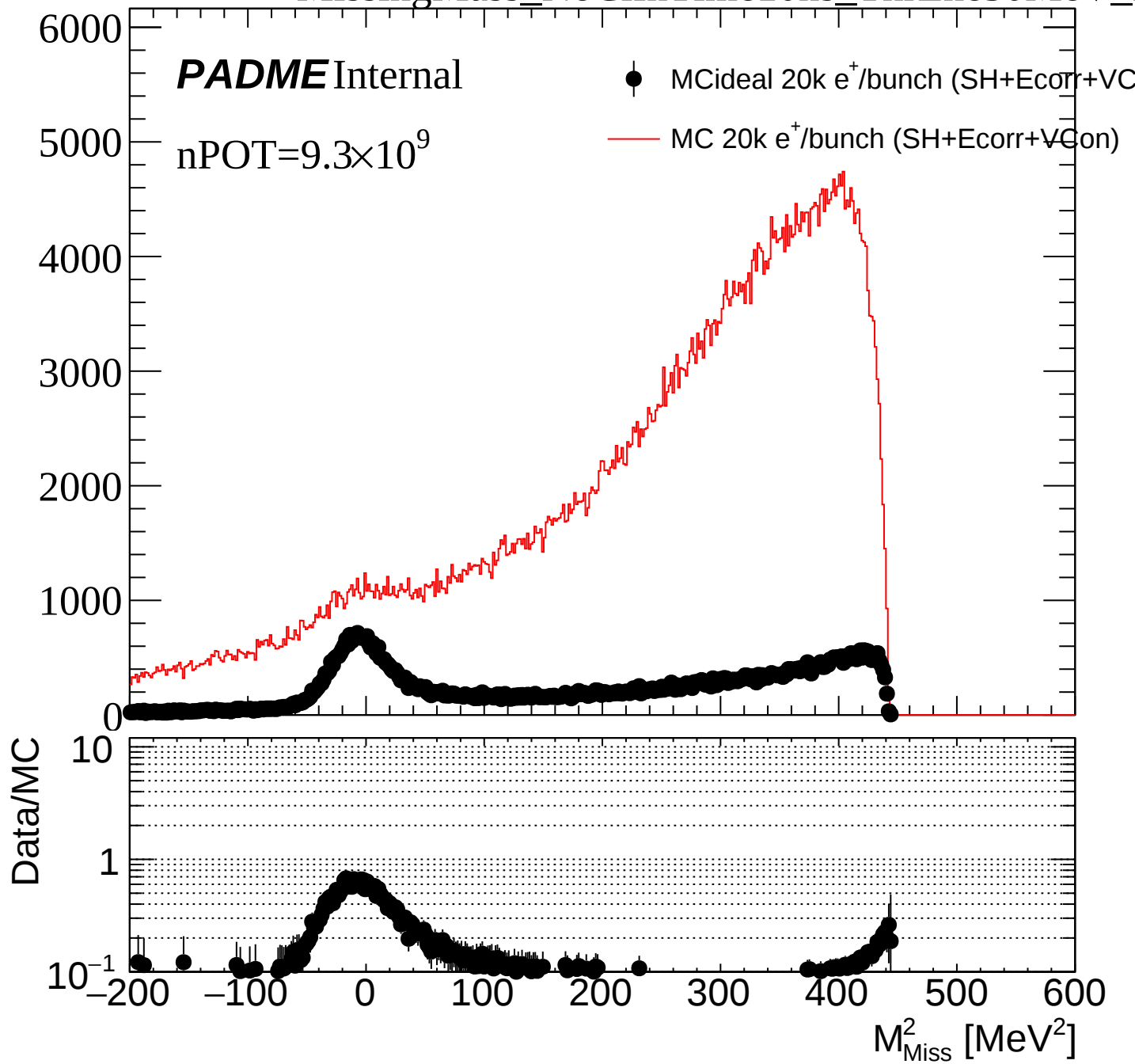




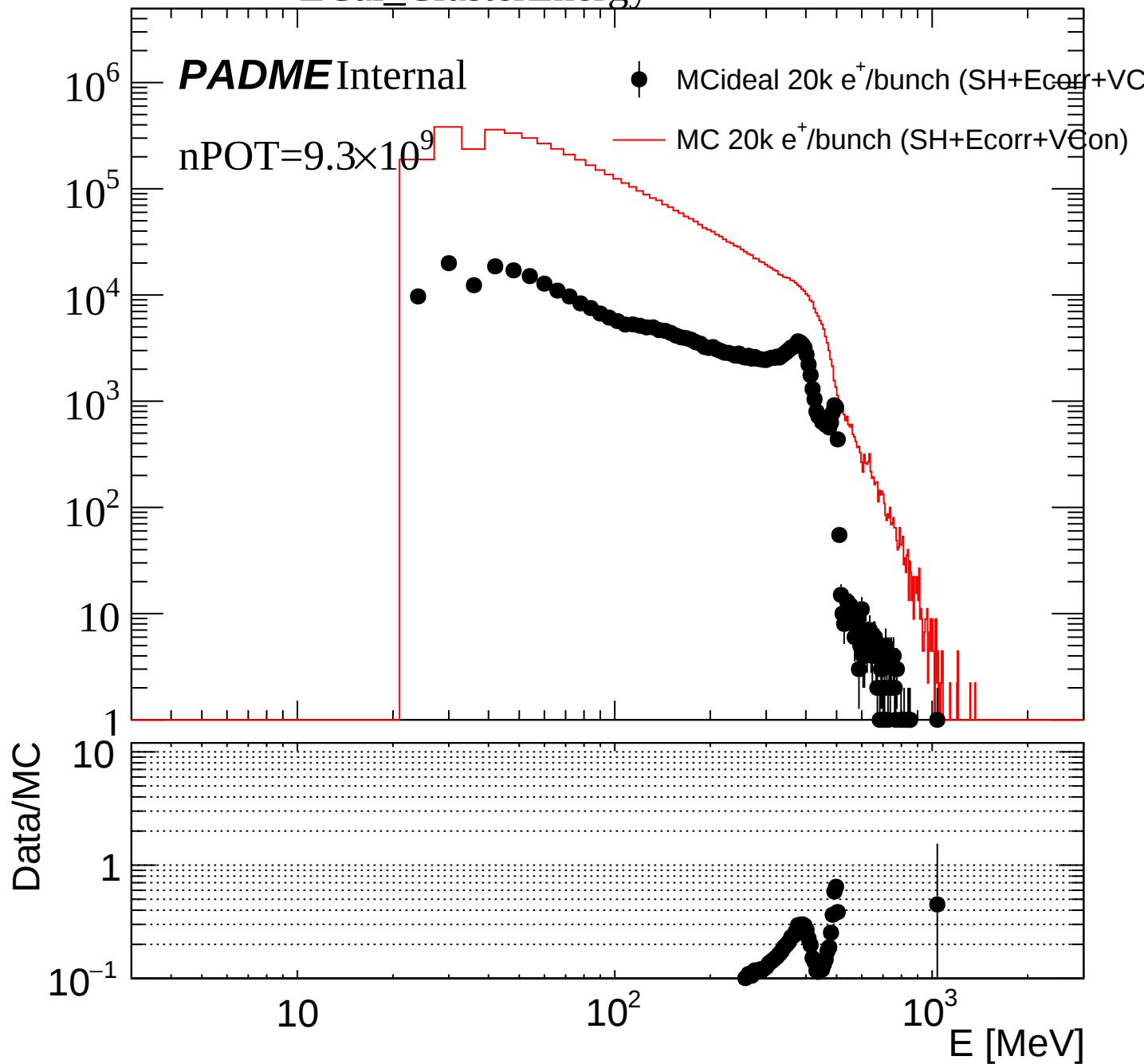


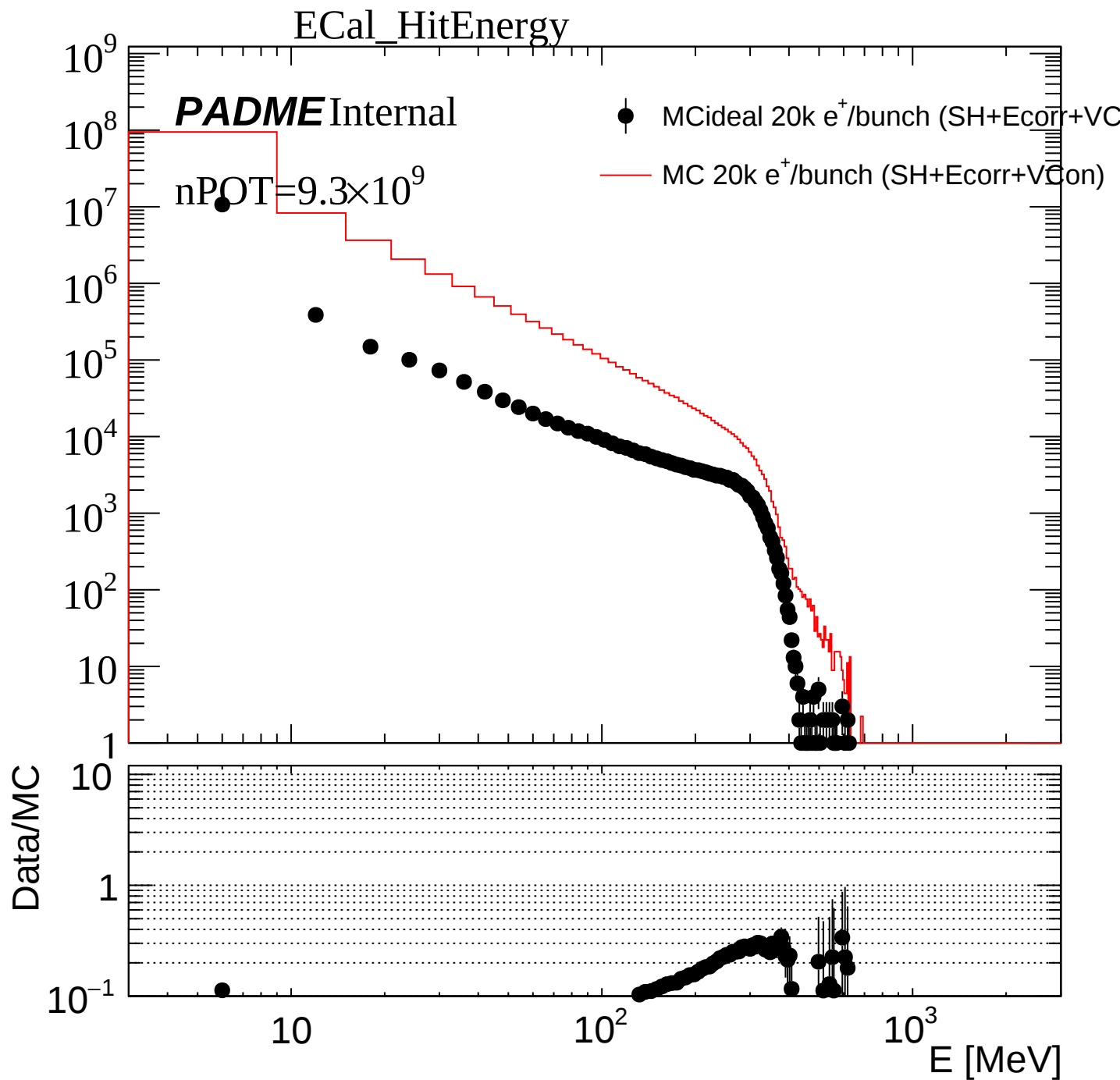


MissingMass_NoClInTime10ns_ThrEne50MeV_

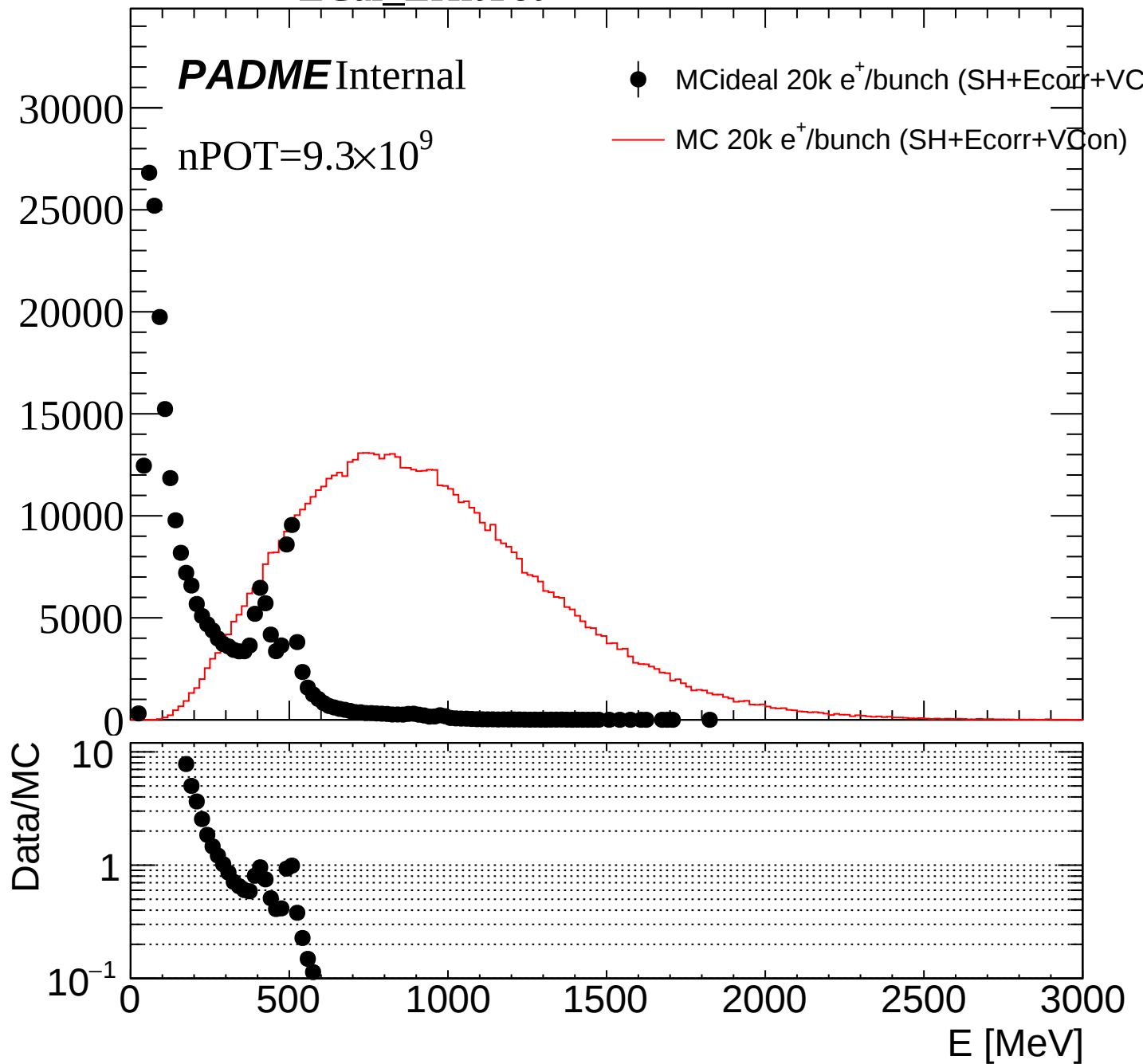


ECal_ClusterEnergy





ECal_EHitTot



ECal_EClTot

