

W^+/W^- ratio analysis

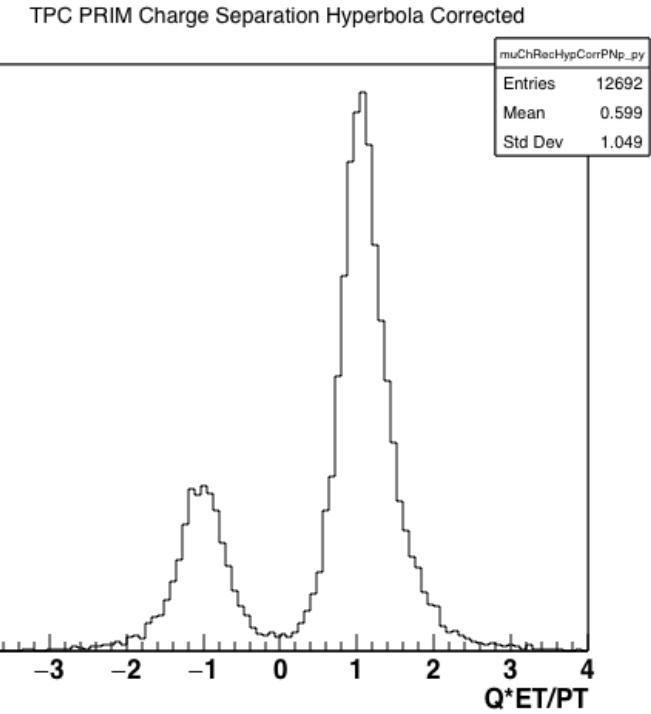
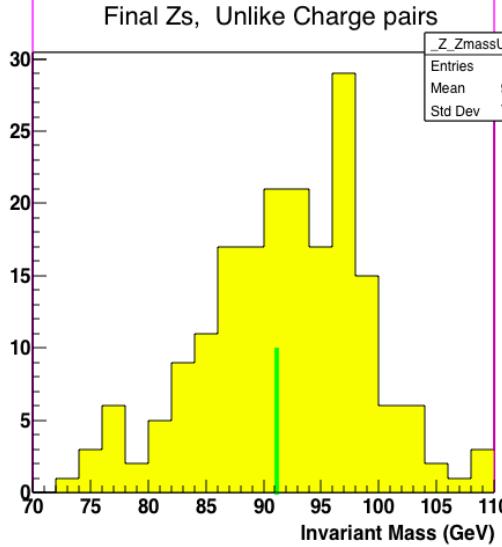
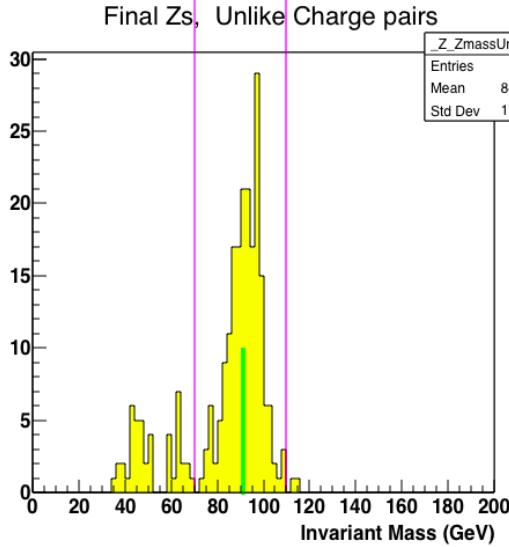
Run 17

Jae D. Nam

Temple Univ.

P20ic

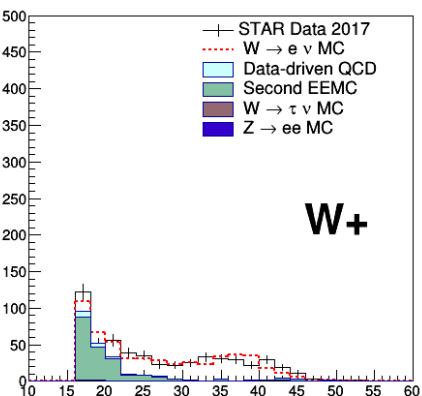
- P20ic: $\int L \simeq 175 pb^{-1}$, uniformly spread.
- $\sim 2\%$ higher Z mass
- Good W charge separation



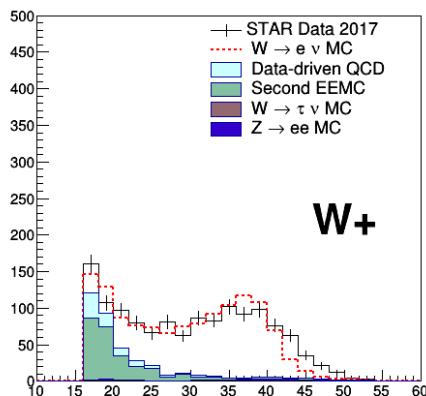
$W^+ E_T$ distribution ($\eta < 0$)

P20ic

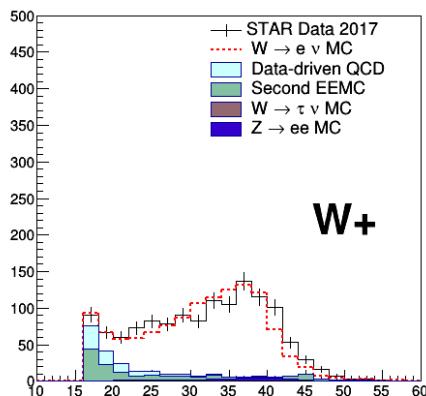
Barrel: pos_muclustpTbal_wE: Eta1 E_T (GeV)



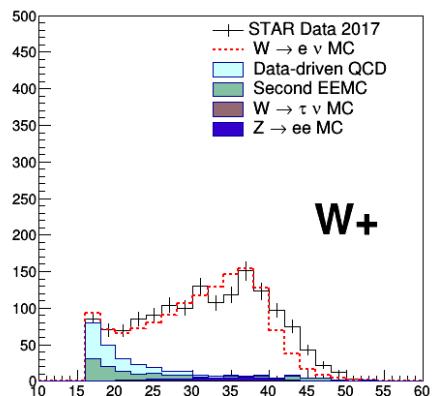
Barrel: pos_muclustpTbal_wE: Eta2 E_T (GeV)



Barrel: pos_muclustpTbal_wE: Eta3 E_T (GeV)

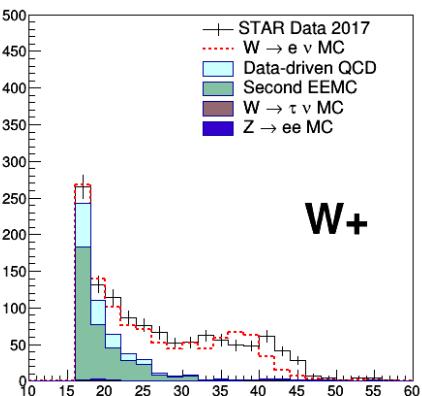


Barrel: pos_muclustpTbal_wE: Eta4 E_T (GeV)

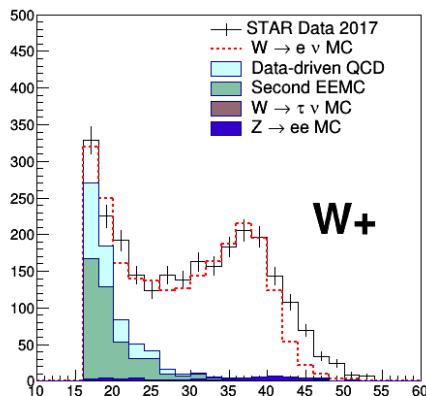


P20ia

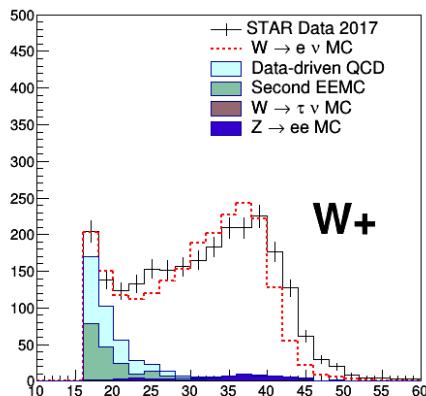
Barrel: pos_muclustpTbal_wE: Eta1 E_T (GeV)



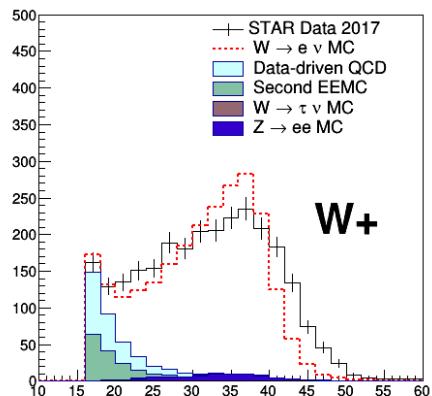
Barrel: pos_muclustpTbal_wE: Eta2 E_T (GeV)



Barrel: pos_muclustpTbal_wE: Eta3 E_T (GeV)



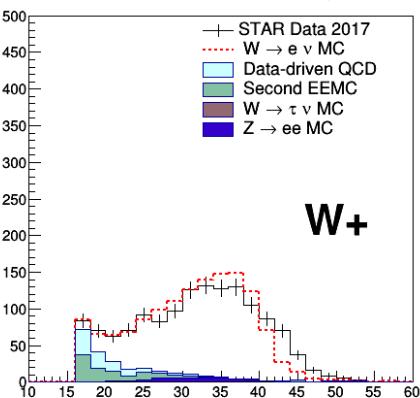
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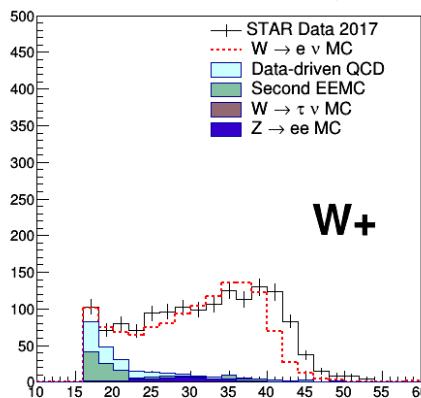
$W^+ E_T$ distribution ($\eta > 0$)

P20ic

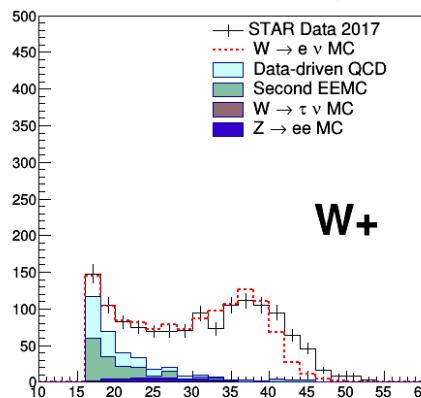
Barrel: pos_muclustpTbal_wE: Eta5 E_T (GeV)



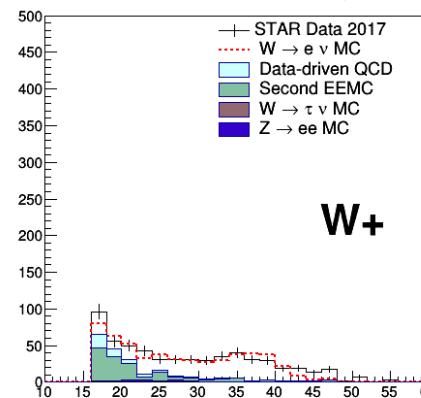
Barrel: pos_muclustpTbal_wE: Eta6 E_T (GeV)



Barrel: pos_muclustpTbal_wE: Eta7 E_T (GeV)

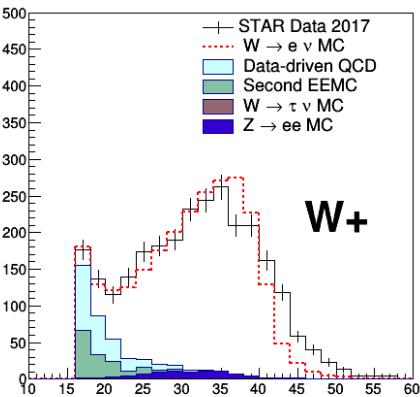


Barrel: pos_muclustpTbal_wE: Eta8 E_T (GeV)

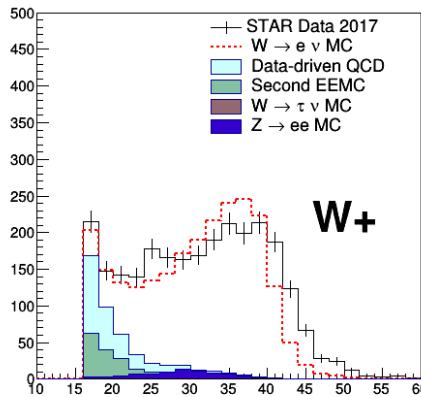


P20ia

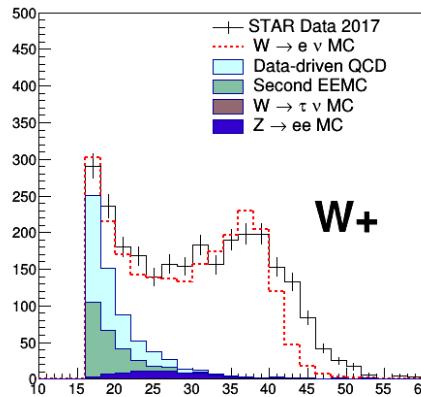
Barrel: pos_muclustpTbal_wE: Eta5 E_T (GeV)



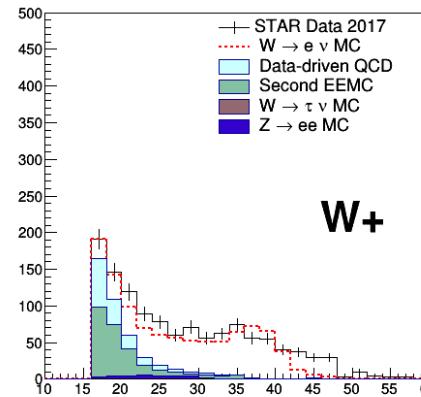
Barrel: pos_muclustpTbal_wE: Eta6 E_T (GeV)



Barrel: pos_muclustpTbal_wE: Eta7 E_T (GeV)

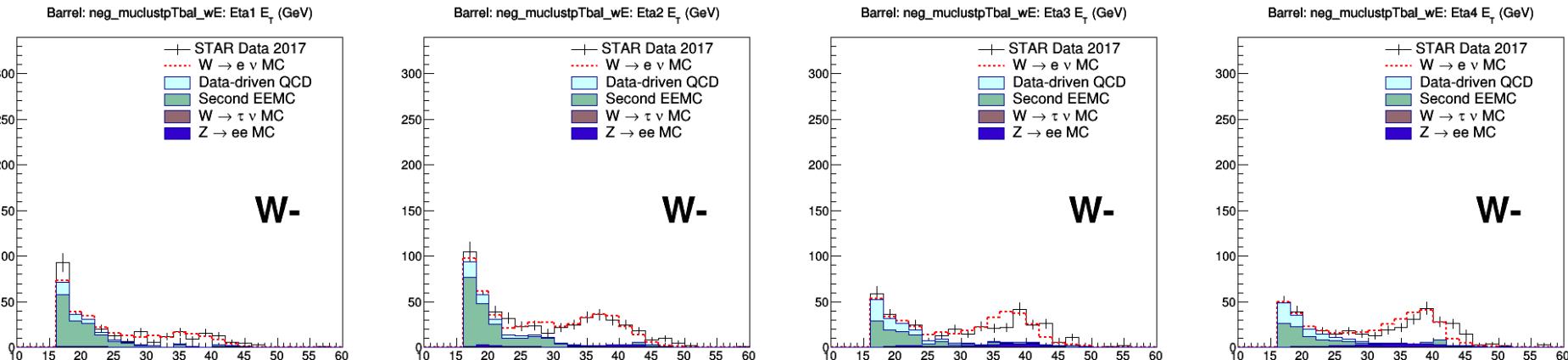


Barrel: pos_muclustpTbal_wE: Eta8 E_T (GeV)

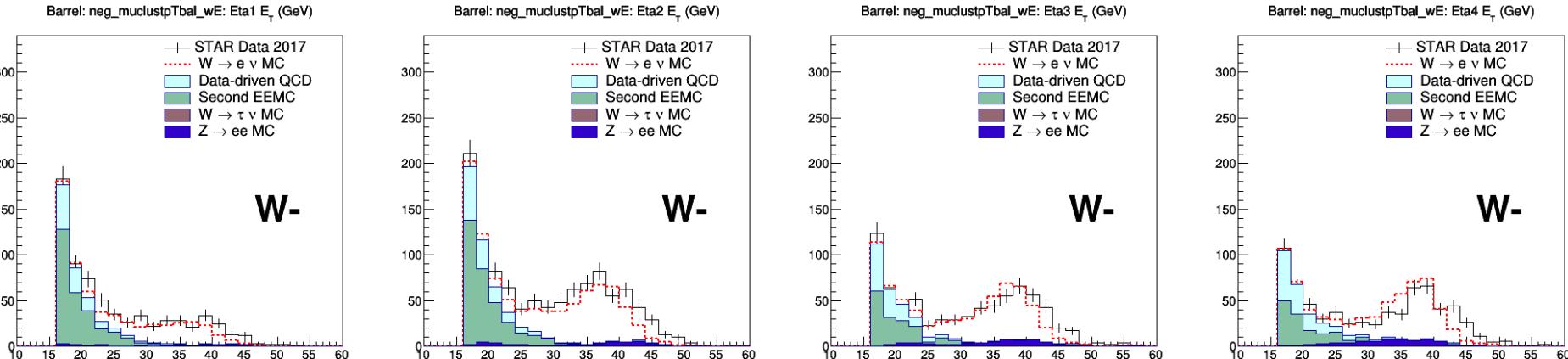


$W^- E_T$ distribution ($\eta < 0$)

P20ic



P20ia



$W^- E_T$ distribution ($\eta > 0$)

P20ic

Barrel: neg_muclustpTbal_wE: Eta5 E_T (GeV)

- STAR Data 2017
- W → e v MC
- Data-driven QCD
- Second EEMC
- W → τ v MC
- Z → ee MC

W-

Barrel: neg_muclustpTbal_wE: Eta6 E_T (GeV)

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- W → e v MC
- Data-driven QCD
- Second EEMC
- W → τ v MC
- Z → ee MC

W-

Barrel: neg_muclustpTbal_wE: Eta7 E_T (GeV)

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- W → e v MC
- Data-driven QCD
- Second EEMC
- W → τ v MC
- Z → ee MC

W-

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W-

P20ia

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W-

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Barrel: neg_muclustpTbal_wE: Eta8 E_T (GeV)

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W-

P20ic vs P20ia

