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# Recent Progress

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October 17, 2023

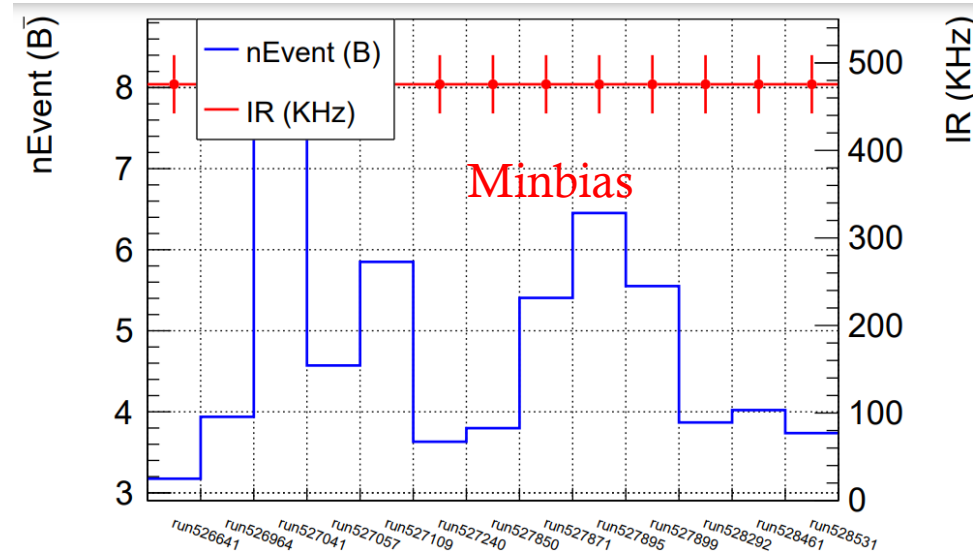
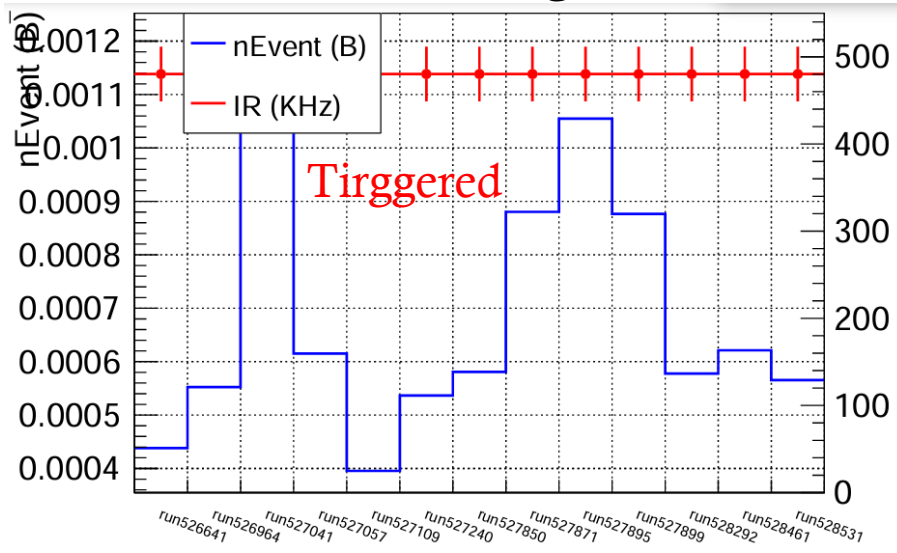
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# Analysis Cuts

- Run Period: LHC22o\_pass4
- Cuts for skimmed tree creation
  - Event Cut:  $|Vtx_z| < 10cm$
  - Track Cut:
    - $|\eta| < 0.8$
    - $p_T > 0.1GeV$
    - ITS Matching

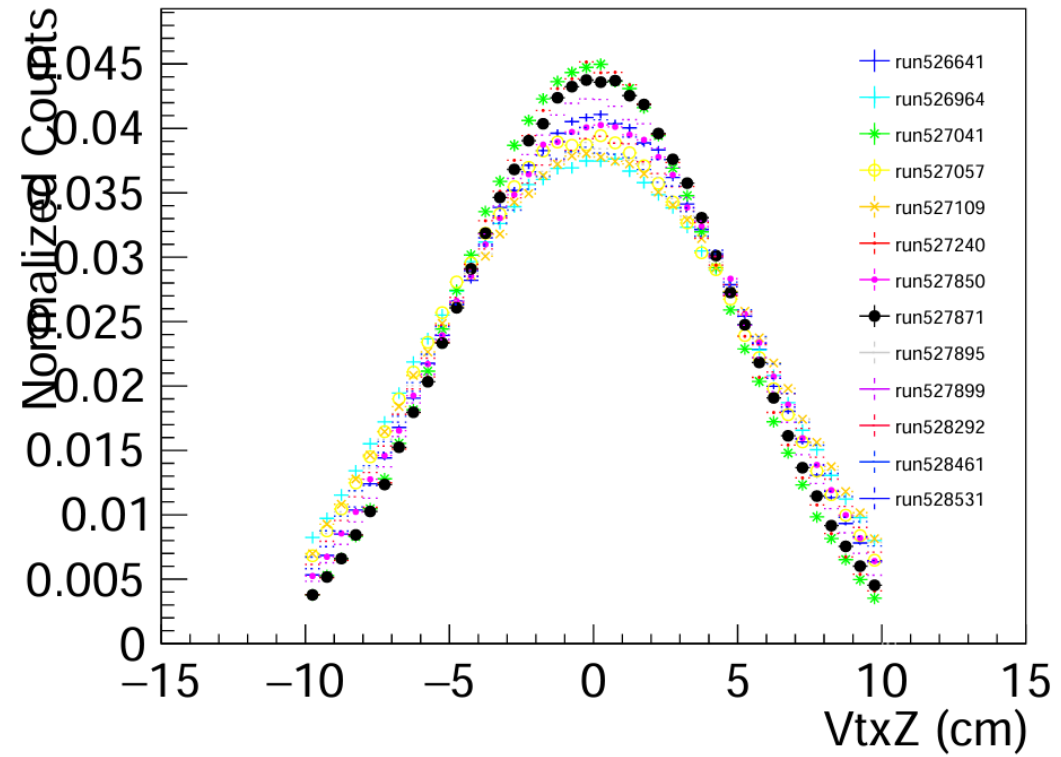
- Analysis Cut

- $TPC \chi^2 < 4$
- $2 < ITS_{ncls}$
- $90 < TPC_{ncls} < 159$
- $-3 < n\sigma_{elec} < 3$
- $n\sigma_{\pi} > 3$
- $n\sigma_{proton} > 3$

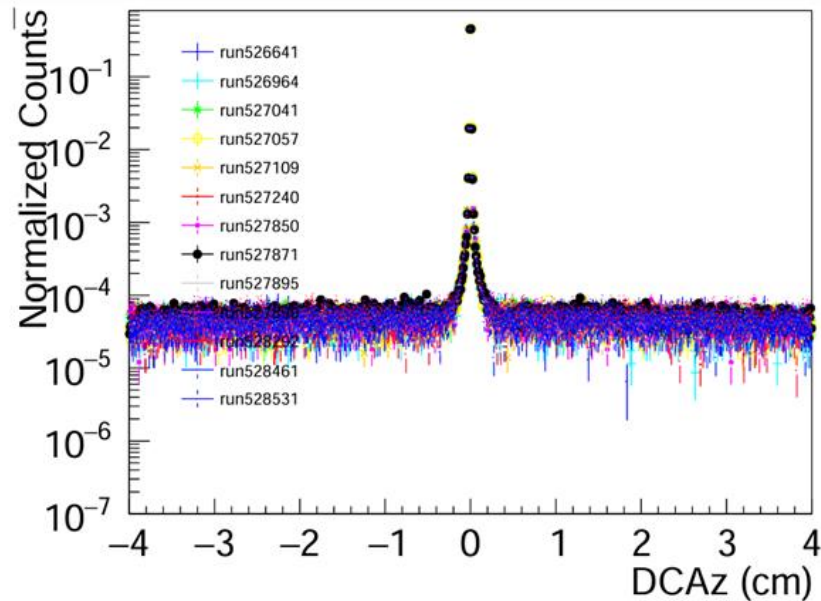
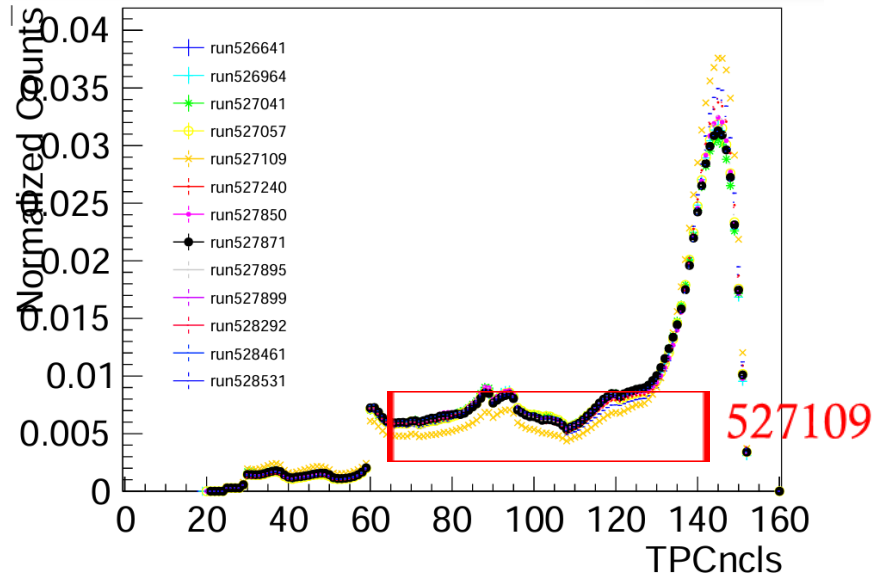
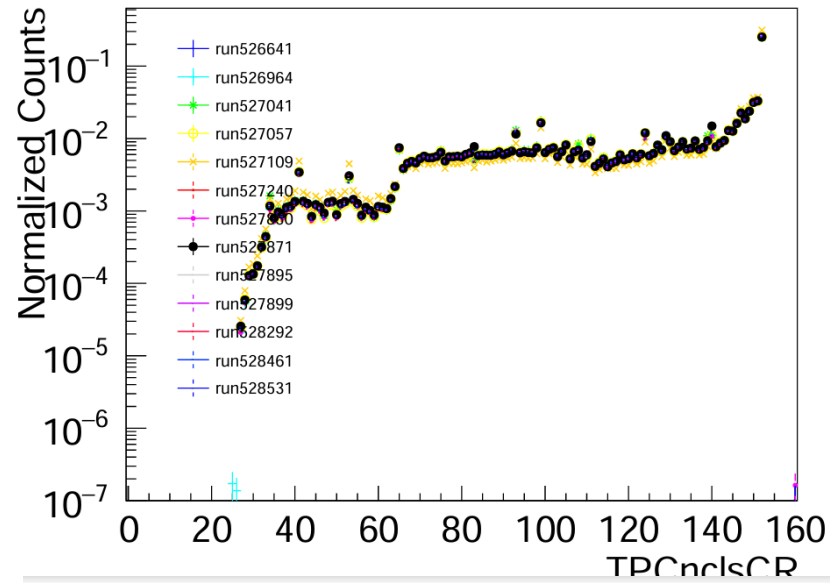
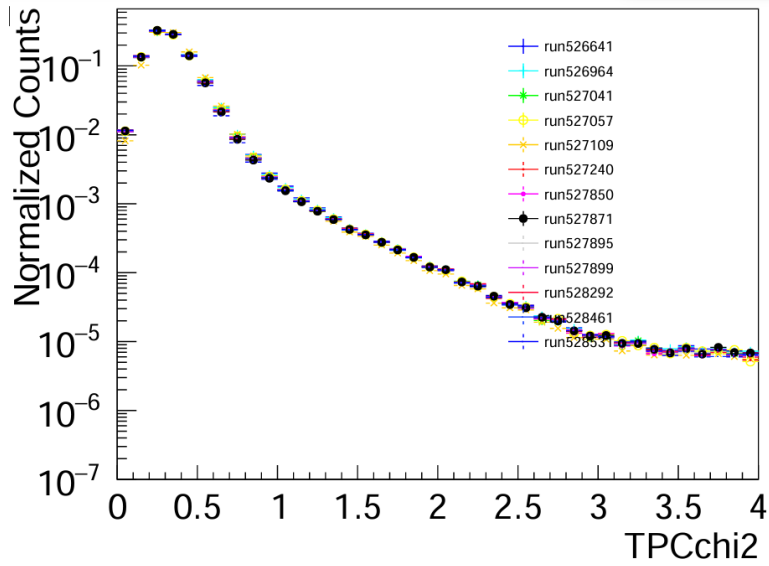


# Before Analysis Cuts

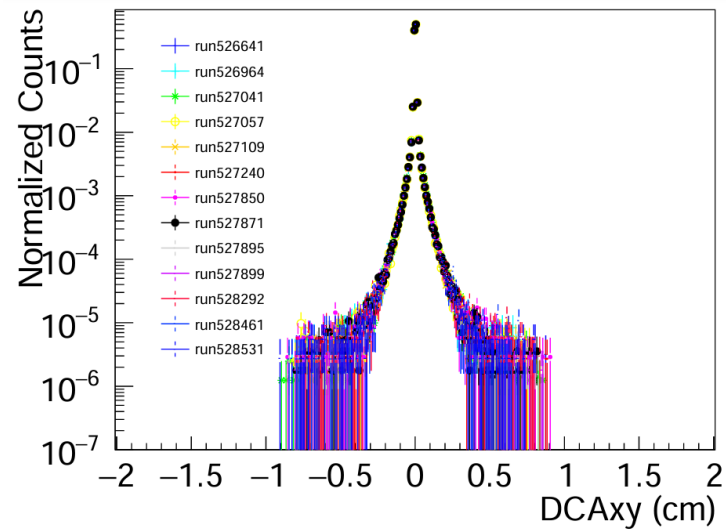
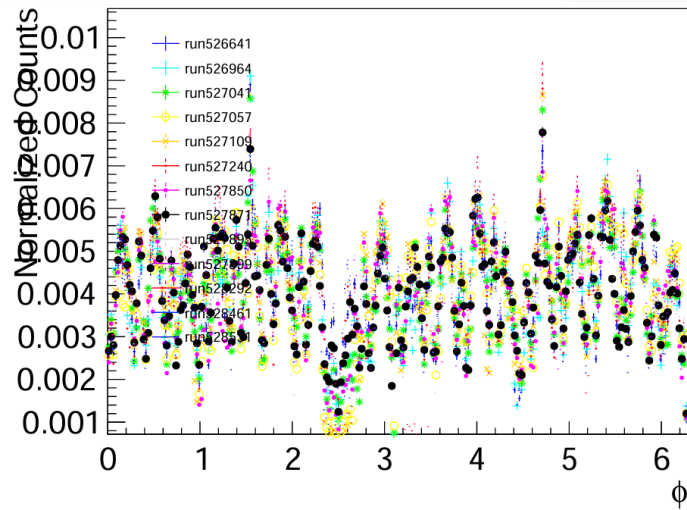
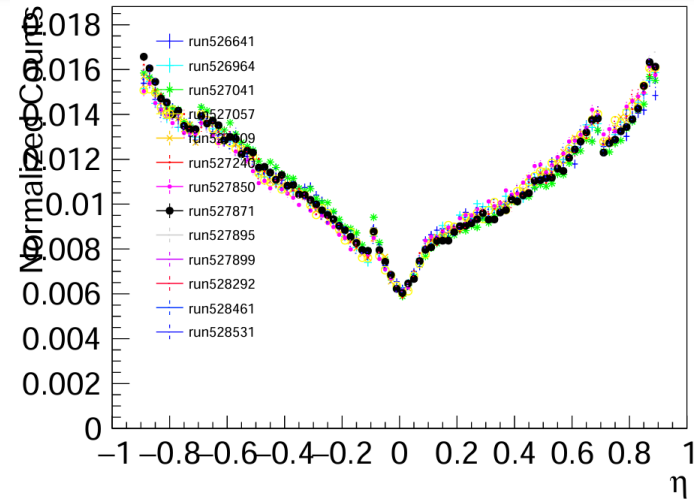
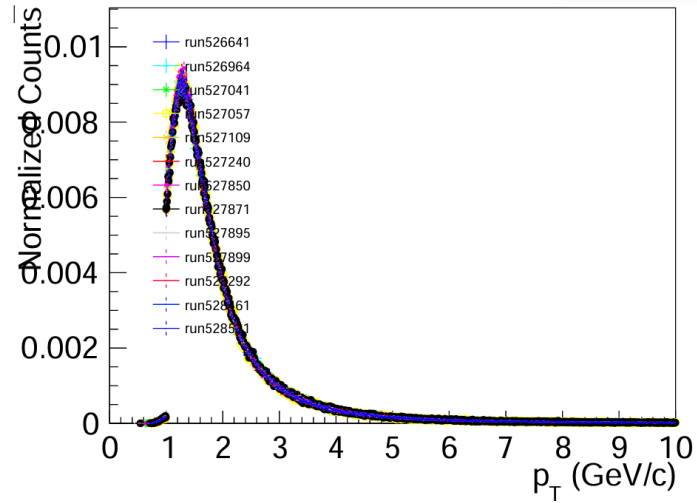
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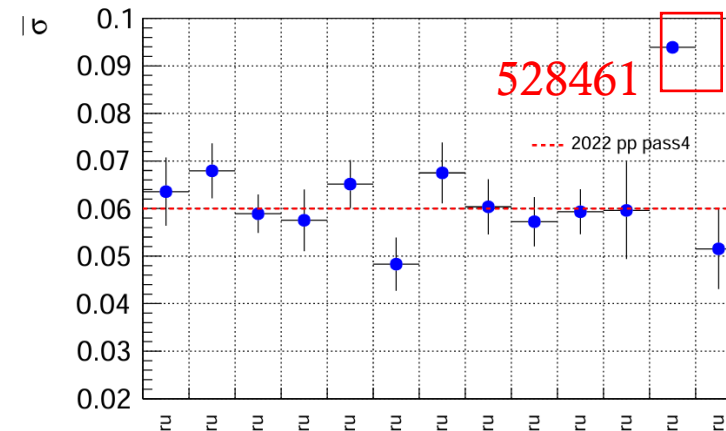
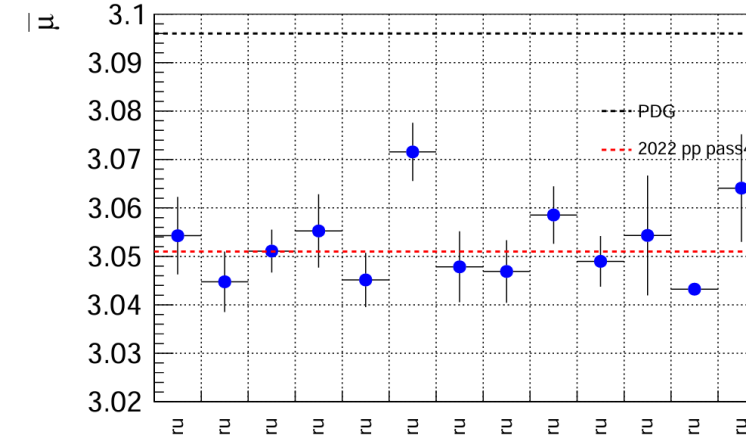
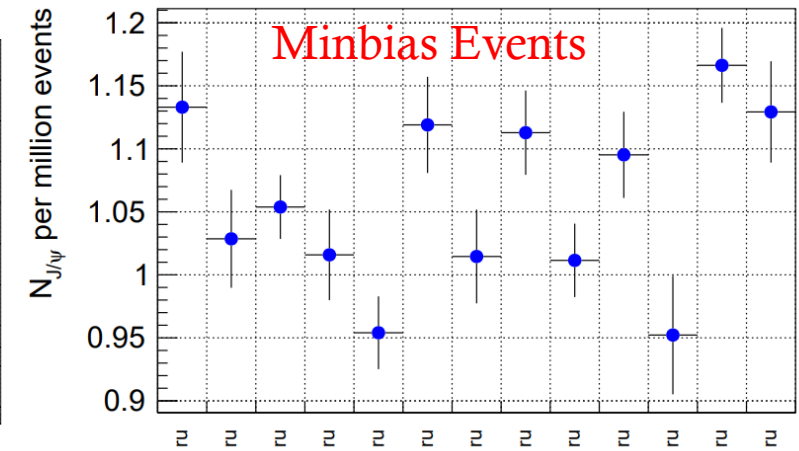
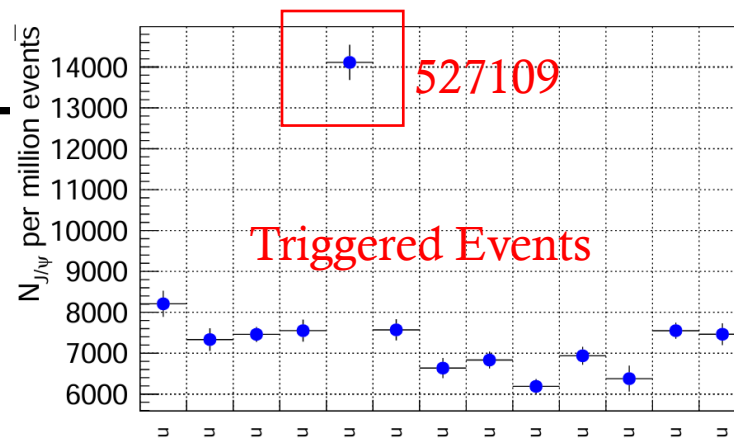
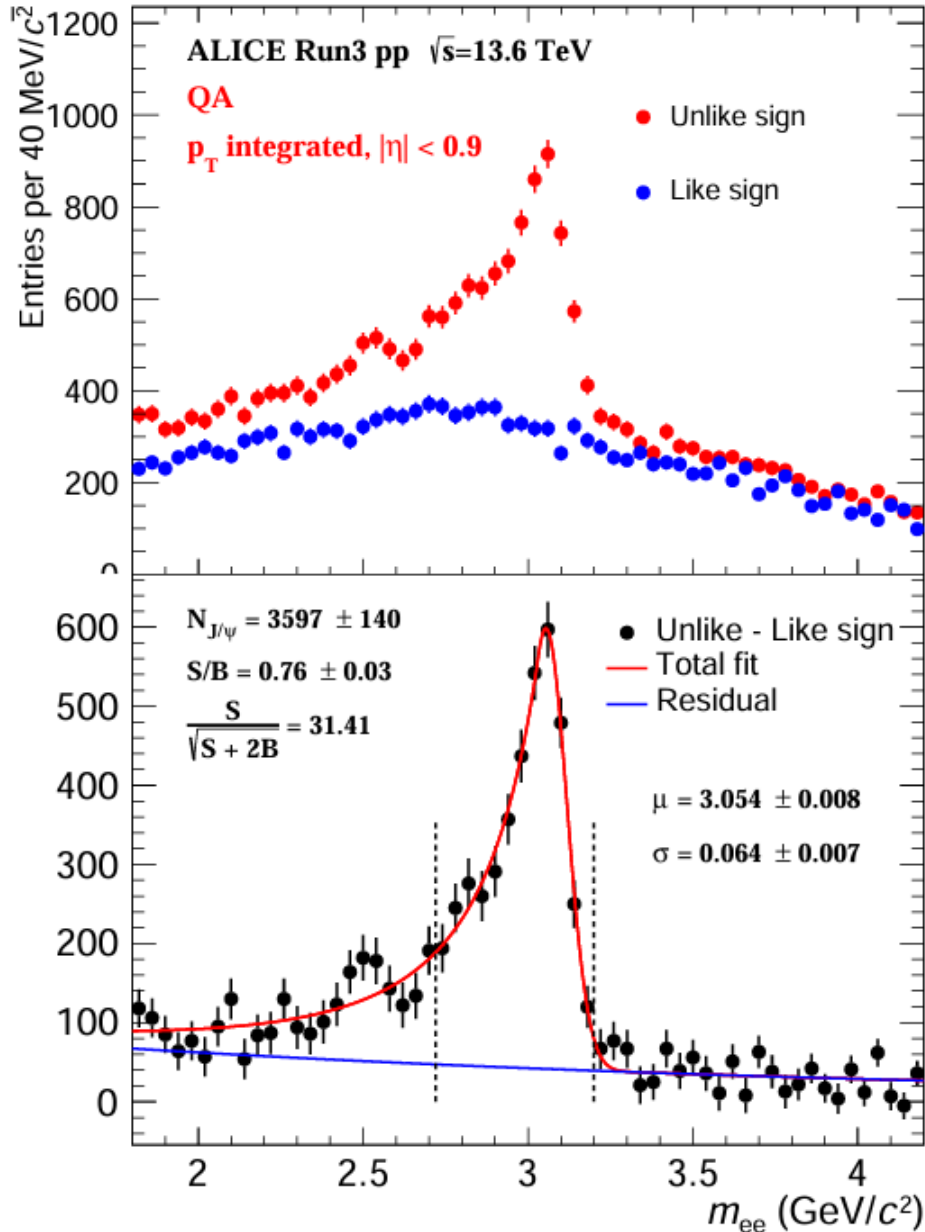
# Before Analysis Cuts



# After Analysis Cuts

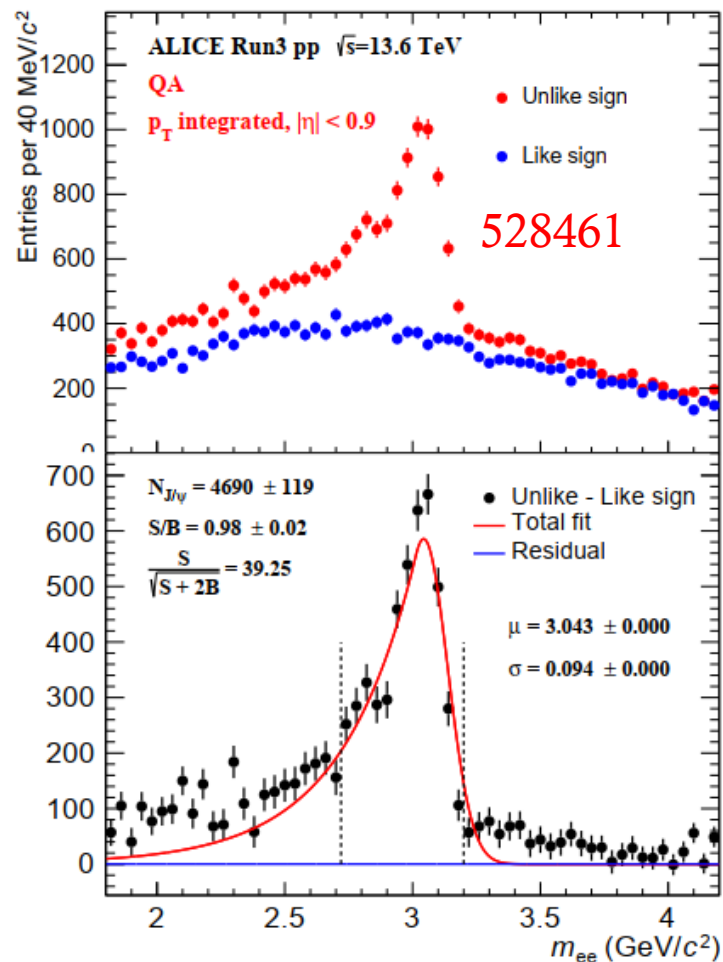
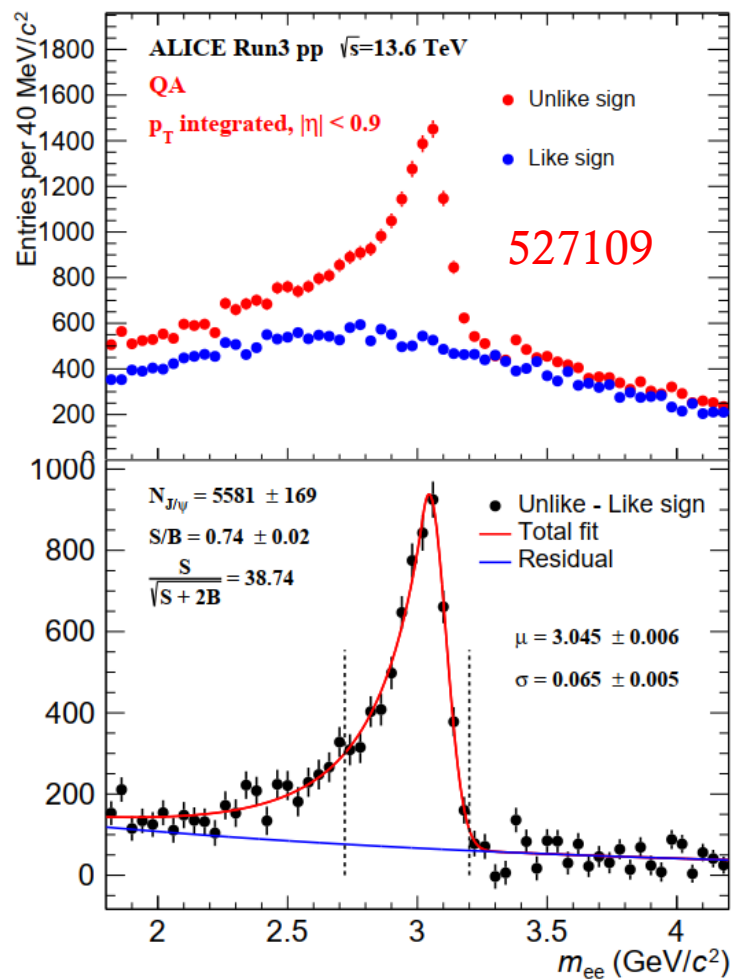


# Jpsi Reco



- 527109 and 528461 look strange.
- No other strange behavior for 528461.
- Remove 527109?

# Jpsi Reco for 527109 and 528461



- Bad fit for 528461 can explain the big  $\sigma$ .
- The fit looks good for 527109.

# Summary

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- Bad run: 527109