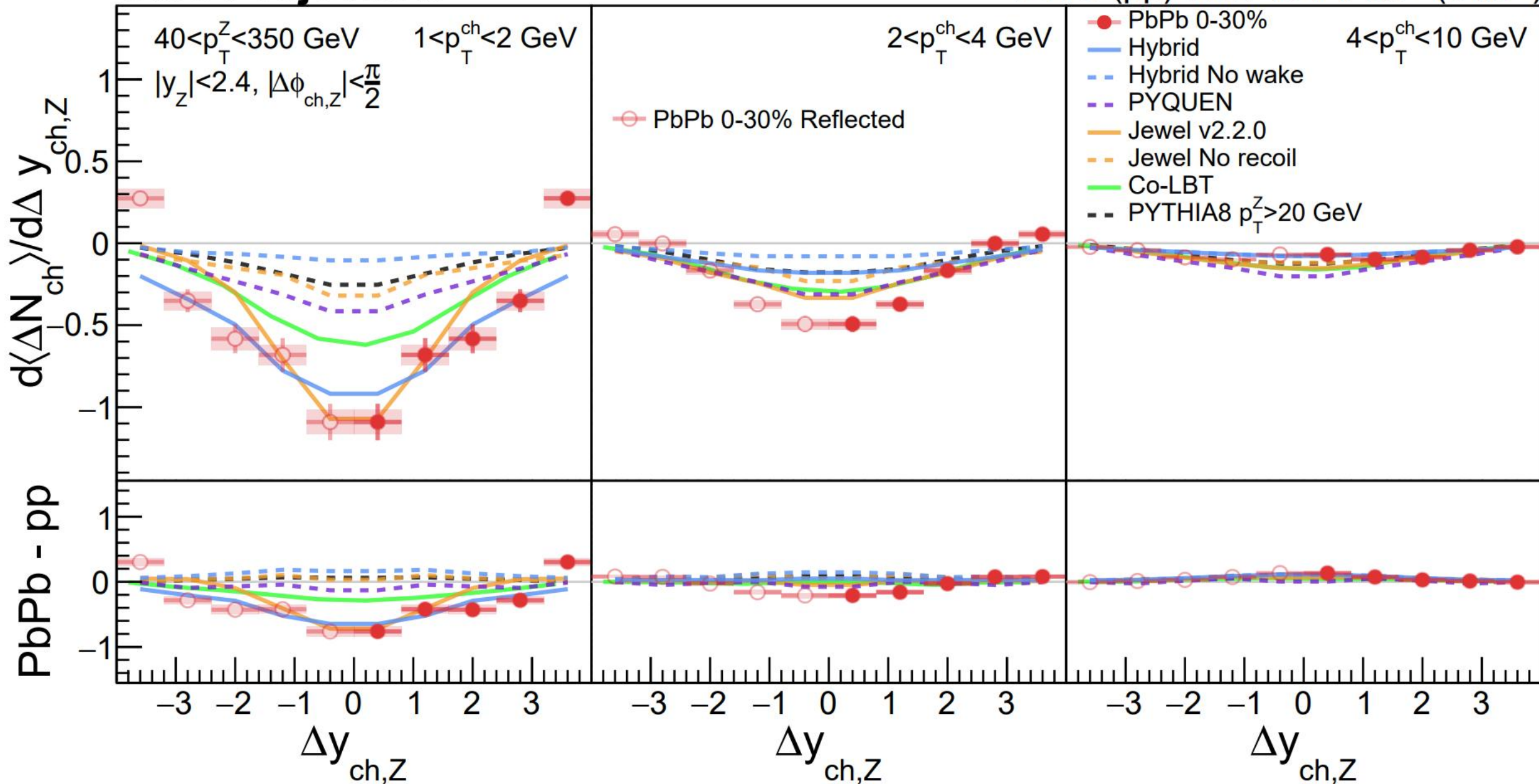


# Status

- Progress on Z-hadron projection for HI town meeting
  - Will get back to work on LE comments on Z-hadron paper
- Progress on Z-tagged EEC
- Interesting news from dijet investigation from UIC

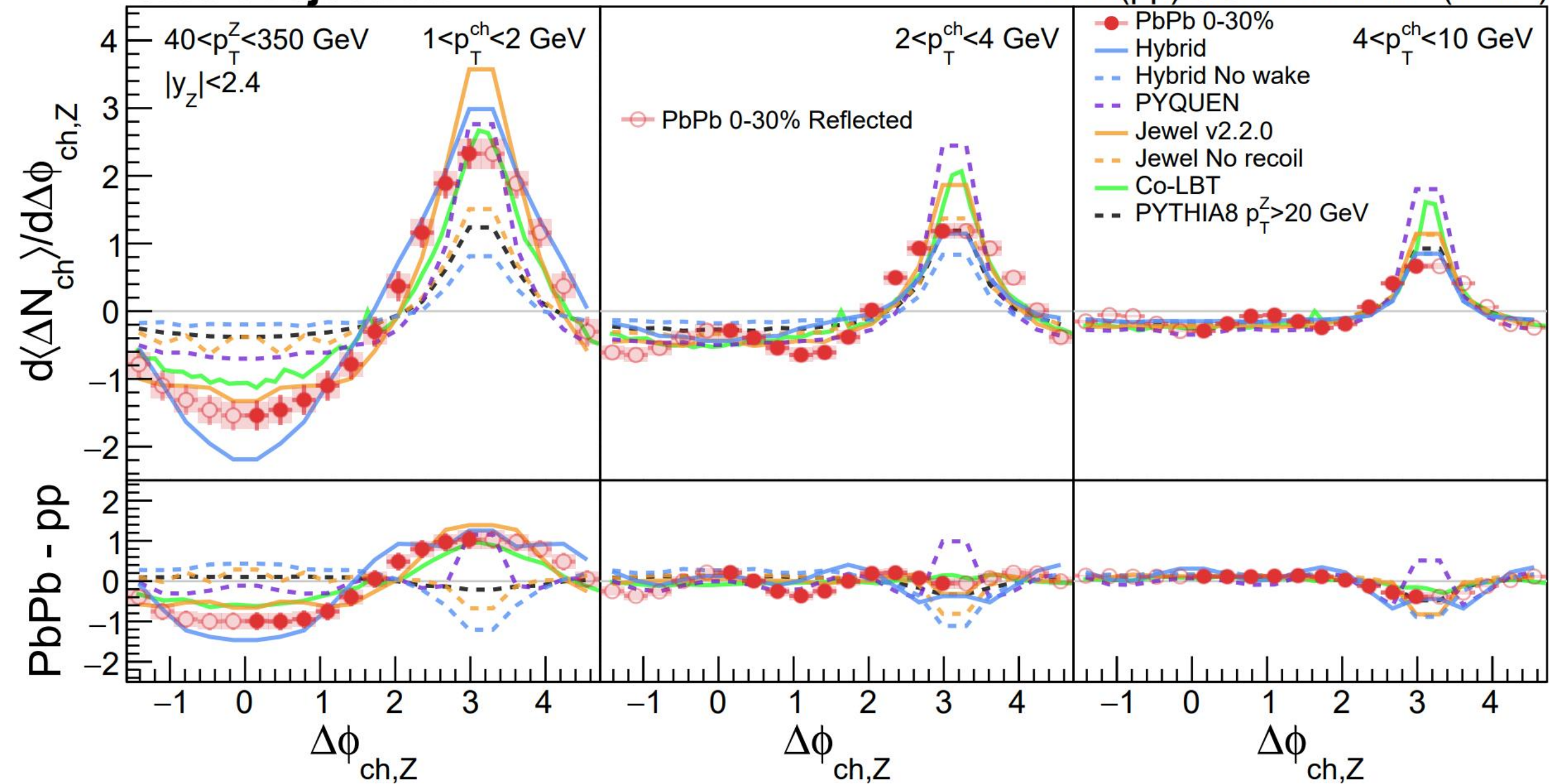
# CMS Projection

PbPb (pp) 5.02 TeV 7 nb<sup>-1</sup> (1 nb<sup>-1</sup>)



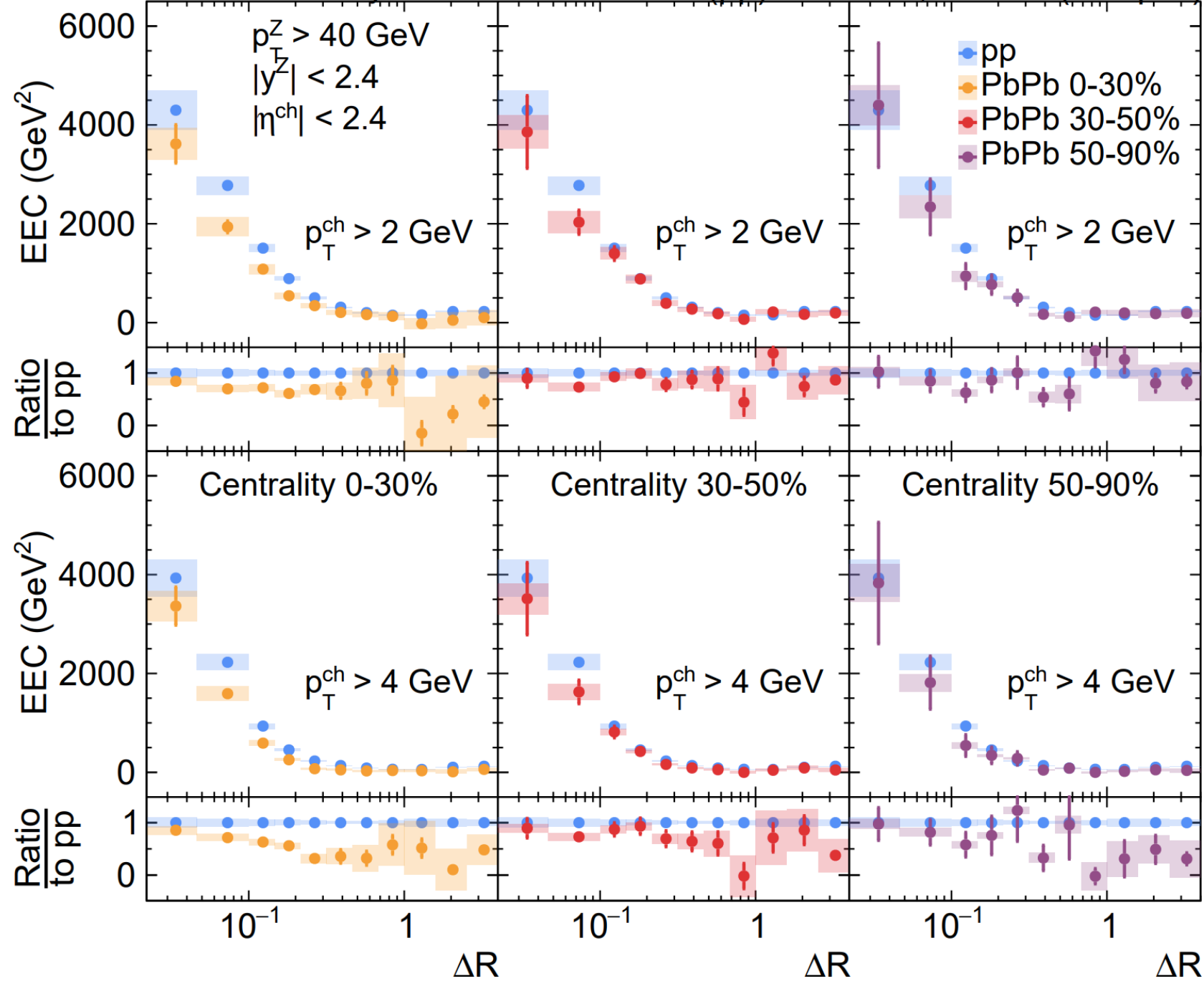
# CMS Projection

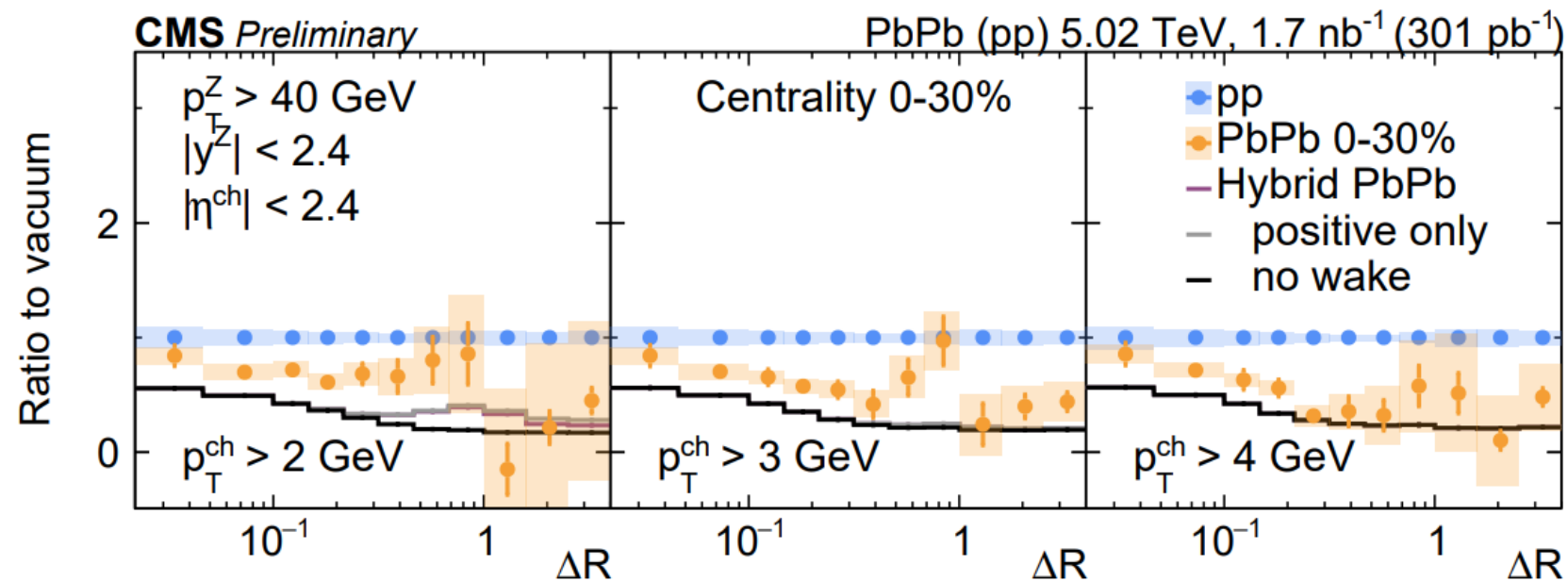
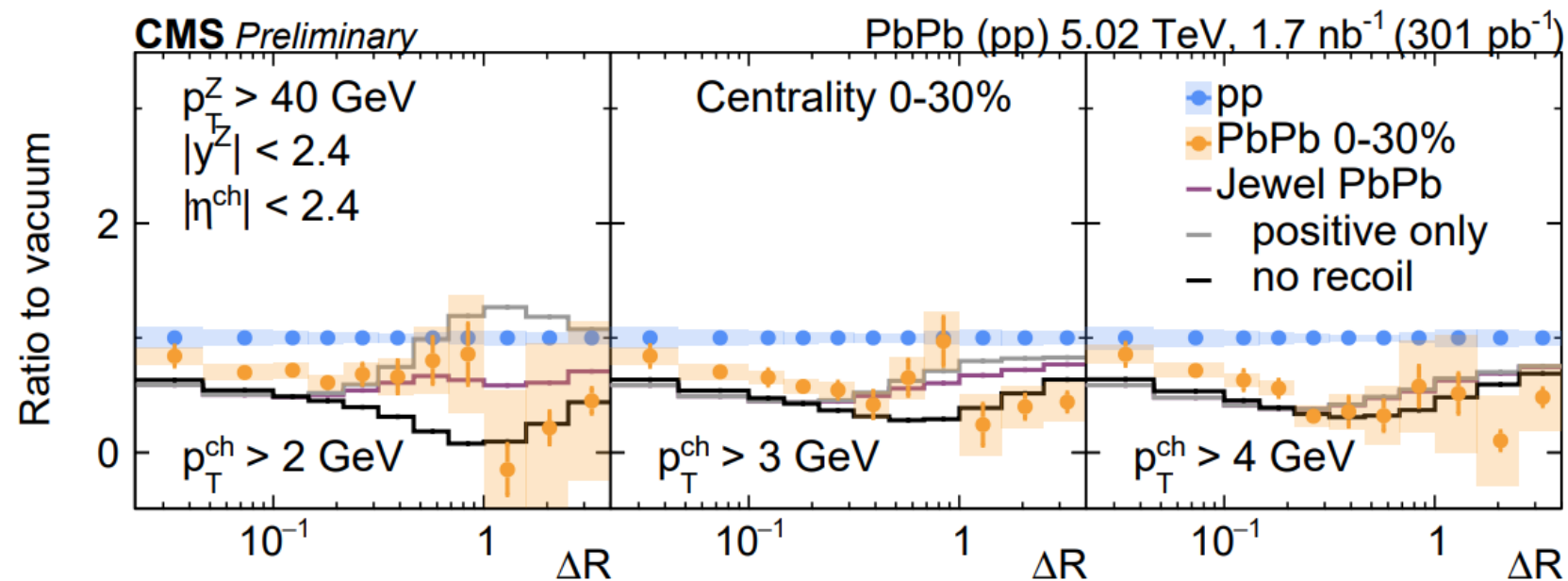
PbPb (pp) 5.02 TeV 7 nb<sup>-1</sup> (1 nb<sup>-1</sup>)



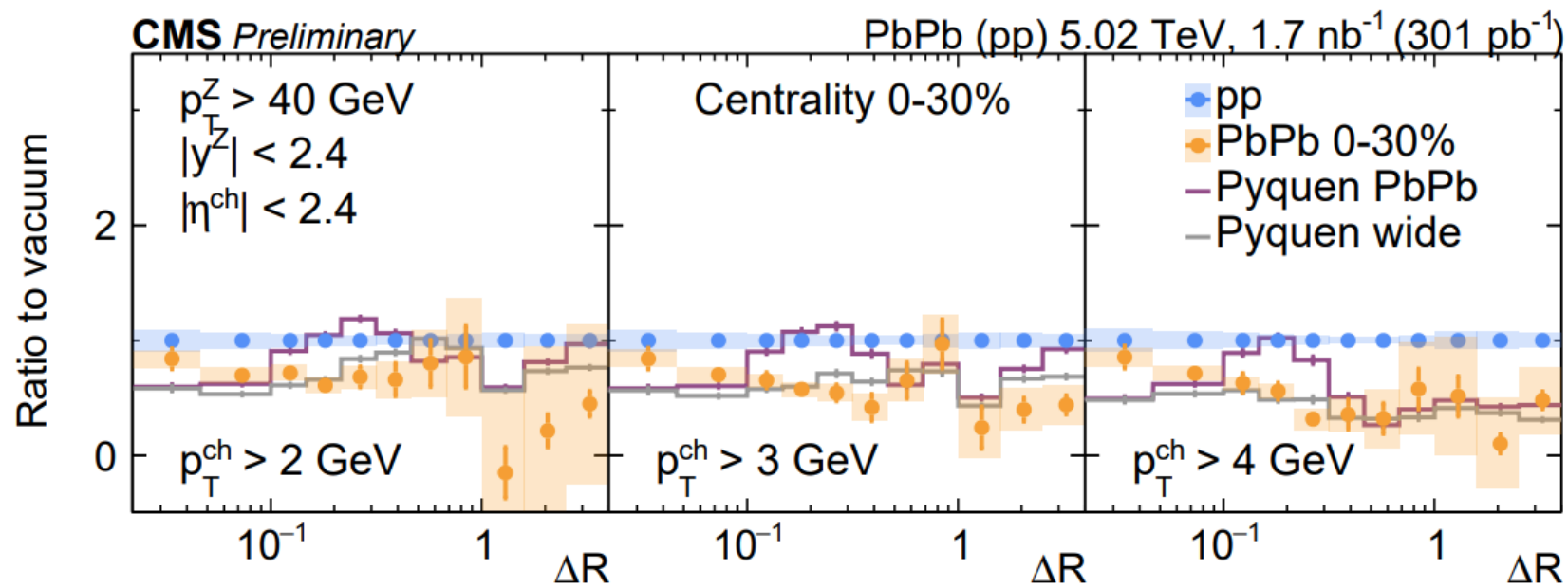
**CMS Preliminary**

**PbPb (pp) 5.02 TeV, 1.7 nb<sup>-1</sup> (301 pb<sup>-1</sup>)**

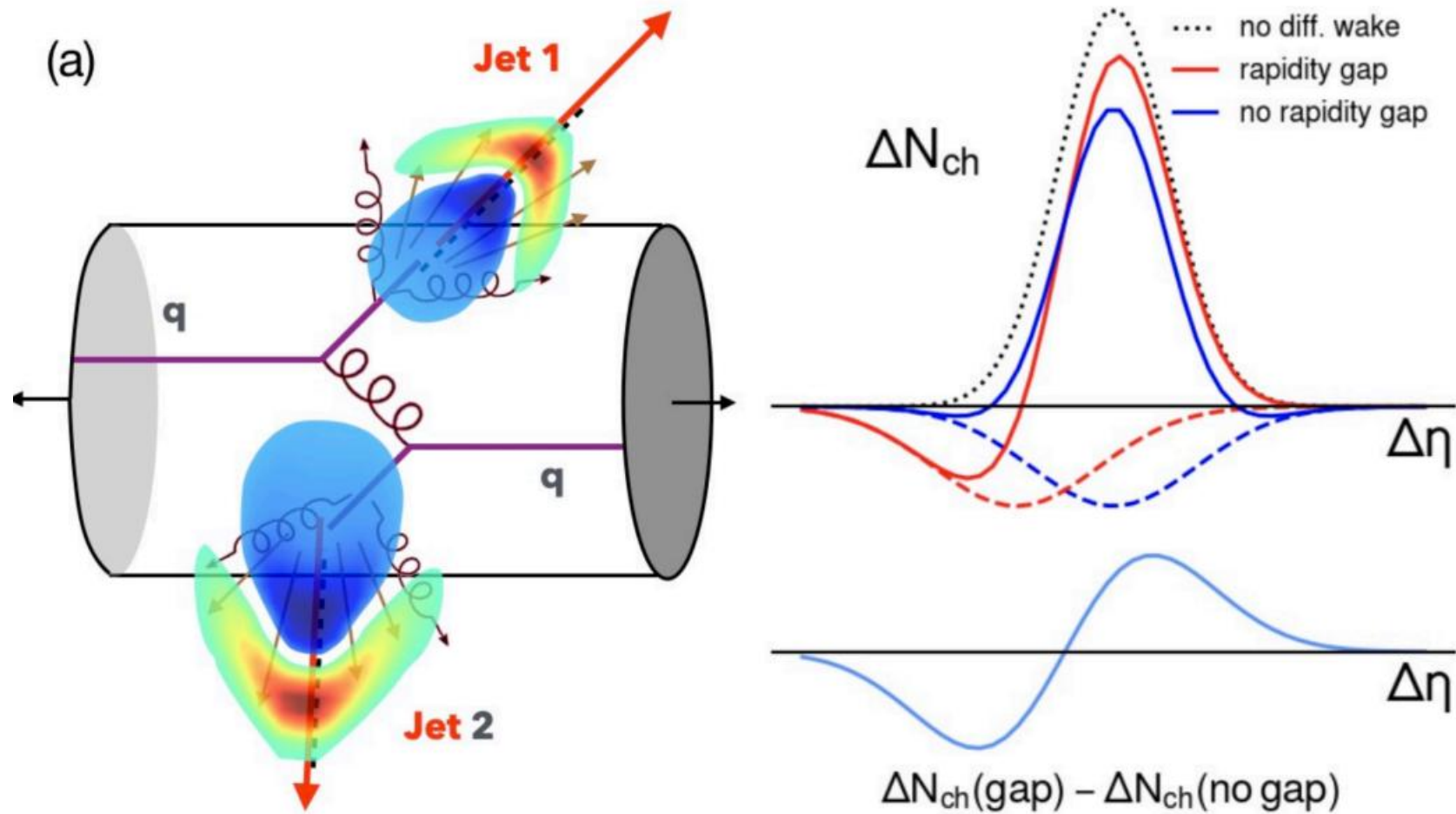






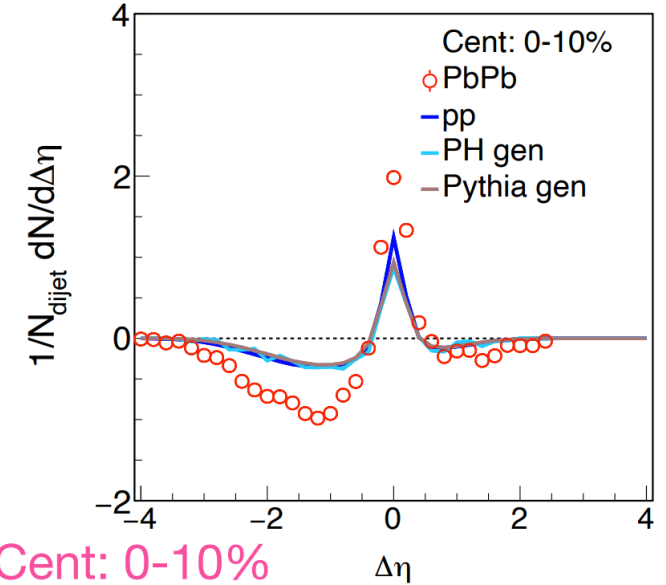
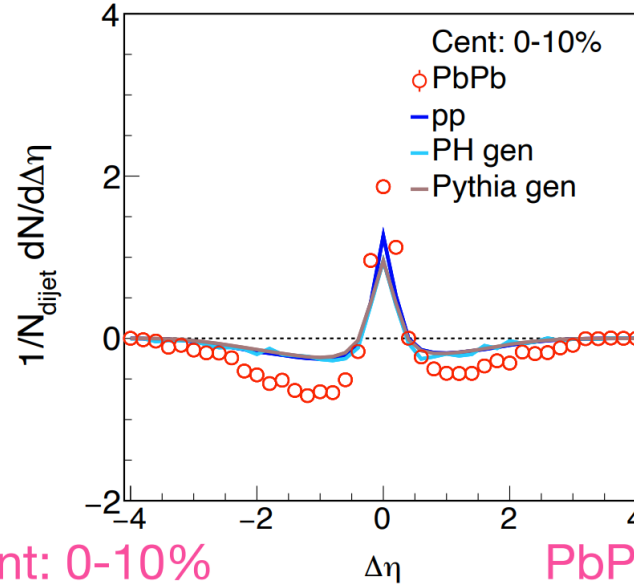
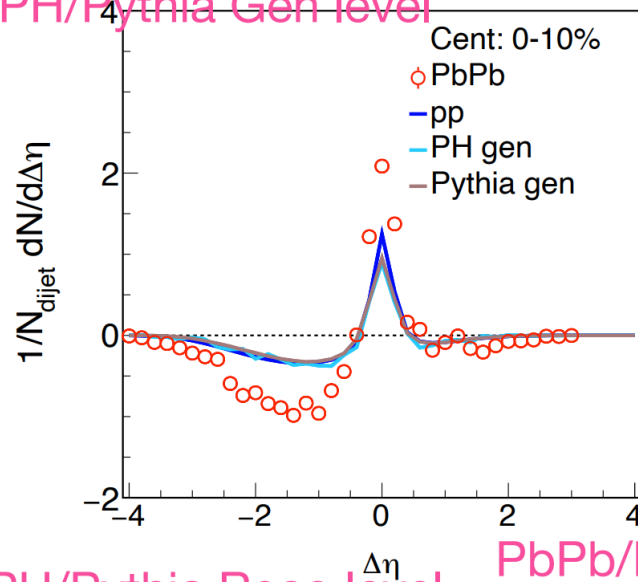


## Medium response signal in dijet

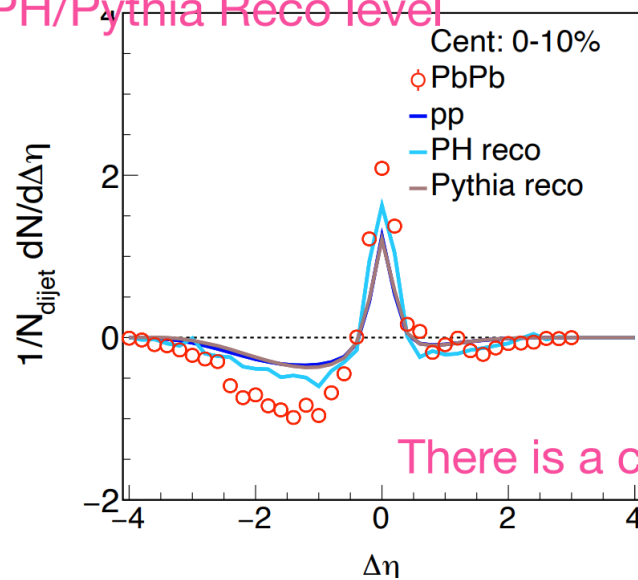


# Comparison of 1D near side $\Delta\eta$ projection of correlations

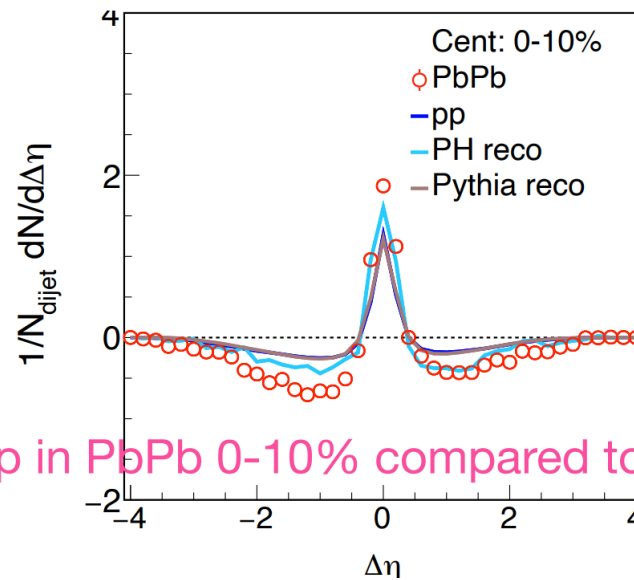
PH/Pythia Gen level



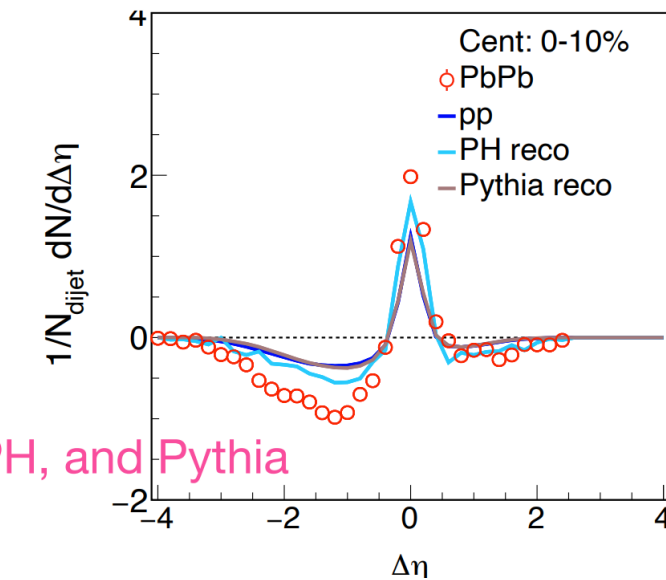
PH/Pythia Reco level



PbPb/PH Cent: 0-10%



PbPb/PH Cent: 0-10%



There is a clear dip in PbPb 0-10% compared to pp, PH, and Pythia

$|\Delta\eta(\text{Ld. jet}, \text{Sub Ld. jet})| > 1$      $\eta(\text{Ld. jet}) \cdot \eta(\text{Sub Ld. jet}) > 0$      $\eta(\text{Ld. jet}) \cdot \eta(\text{Sub Ld. jet}) < 0$

UIC group