Inclusive J/psi R_{pA} Run15 Update

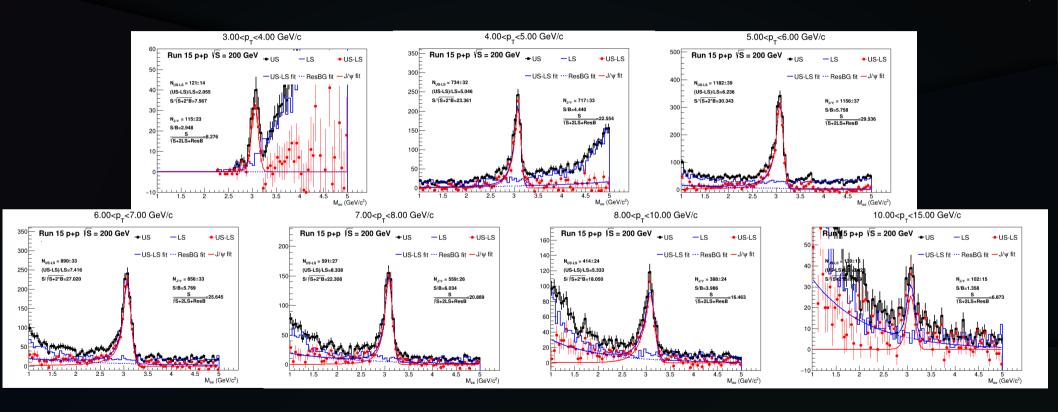
Ziyue Zhang

BHT2*BBCMB – Raw Yield with new Pico

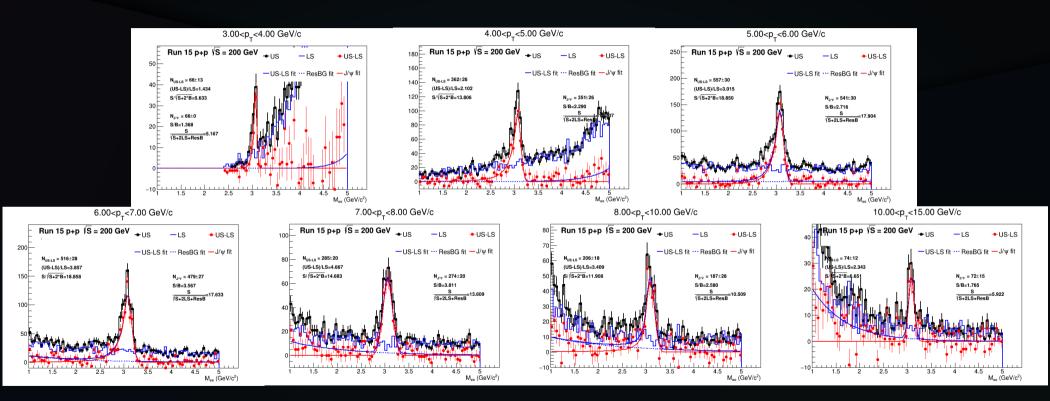
- Dataset: Run15 pp (pAu) @200GeV
- Cuts applied:
 - Event level
 - |TPCVz|<80cm
 - 0.52 < RatioFit < 1.02
 - Ranking > 0
 - Tracking
 - 20 <= nHitsFit <=50
 - 10 <= nHitsDedx <=50
 - |eta| < 1
 - $0.2 \text{ GeV/c} < p_T < 50 \text{ GeV/c}$
 - 0 < dca < 1
 - -1. < nSigmaE < 2.

- eld
 - 1 GeV/c $< p_T < 50$ GeV/c
 - 0.5/c < E/p < 2/c
 - e > 0.1 GeV
- Trigger
 - $3.5 \text{ GeV/c} < p_T < 50 \text{ GeV/c}$
 - adc0 >= 300
- Paired
 - 1 GeV/c^2 < M < 5 GeV/c^2 (range)
 - |y| < 1
 - $p_T < 15 \text{ GeV/c}$

BHT2*BBCMB - Raw Yield - pp



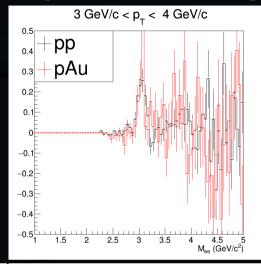
BHT2*BBCMB – Raw Yield - pAu

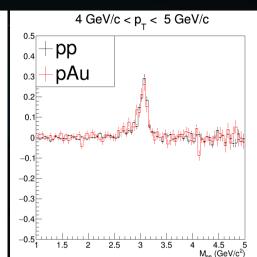


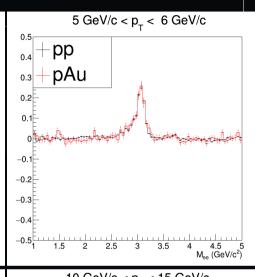
Production of updated Pico for pAu are not finished. These are plots only include the first 800 runs.

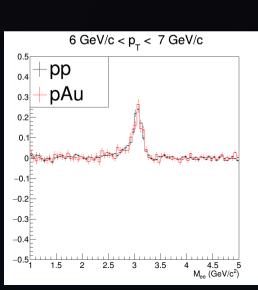
Signal Shape Compare: US-LS-Res

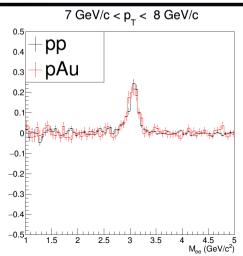
Each histogram is Scaled by: 1/Integral(2.9GeV/c^2, 3.2GeV/c^2)

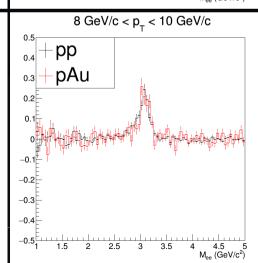


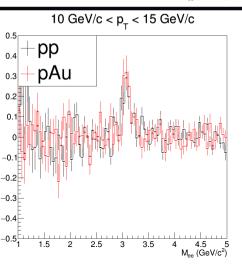






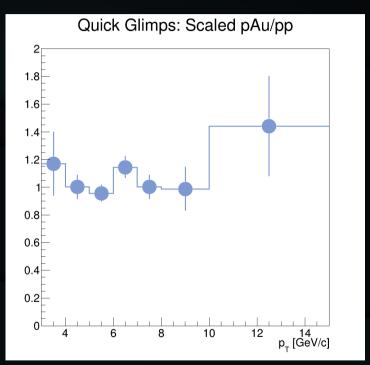






Scaled Rawyield Ratio: Glimpse of Uncertainty

 Scale factor: including factors of N_mb_eqv, trigger bias factor, and portion of files processed



Scaled Rawyield Ratio: Glimpse of Uncertainty

- Unprofessional condutct warning
 - p8: overlap view of this analysis (raw yield ratio) and di-muon (run15) preliminary result of R_{pA}
 - p9: overlap view of this analysis (raw yield ratio) and di-muon (run15) paper proposal plots of R_{pA}

