some reproduction of the results of WeiChen

Qiyan Cai

cuts from Wei Chen

Track Level Cut

- nHitFit > 15
- $\geqslant |\eta| < 1$
- dca < 3 cm</p>
- ▷ |Y_{pair}| > 0.05

- ▶ 0.2<pT<1.2</p>
- $> -4 + 4(|pT| 0.2) < n\sigma_p < 3$

pair pT

Counts Counts

150

100

50

Λ

50

0

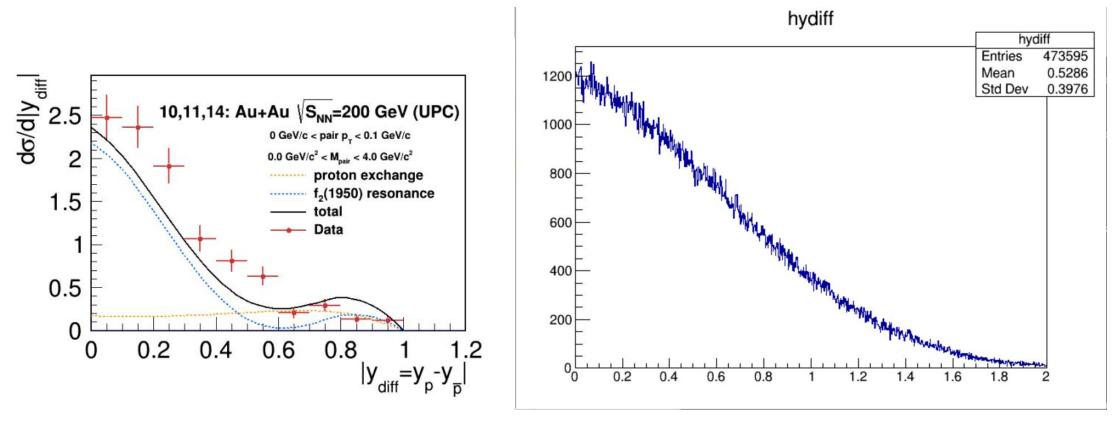
0

Counts 001000

---- Unlike Sign Au+Au $\sqrt{S_{NN}}$ =200 GeV (UPC) mpt ike Sign mpt 2500 Entries 2400413 0.3977 Mean Std Dev 0.2803 2000 1500 1000 Raw signal at low pair pT 500 00 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 pair p_T [GeV/c]

so we choose the cuts of pT of [0,0.1] GeV/C

y_{diff}



it goes to zero when the ydiff is 2.

but when I use the cuts from Wei Chen. the kstar becomes like this.

