

STAR : Centrality Bin Width Correction (CBWC)

RefMult3X ($|\eta_{\text{CM}}| < 1.6$) : COLL ($> 7.7 \text{ GeV}$)

RefMultFXT3 ($-2 < \eta_{\text{LAB}} < 0$) : FXT ($3 \sim 5 \text{ GeV}$)

→ test with Volume Fluctuation Correction (mixed event)

→ test with different centrality RefMult2 ($|\eta_{\text{CM}}| > 0.7$)

→ test with different centrality EPD ($|\eta_{\text{CM}}| > 2 \sim 5$)

HADES/ALICE : Volume Fluctuation Correction (mixed event)

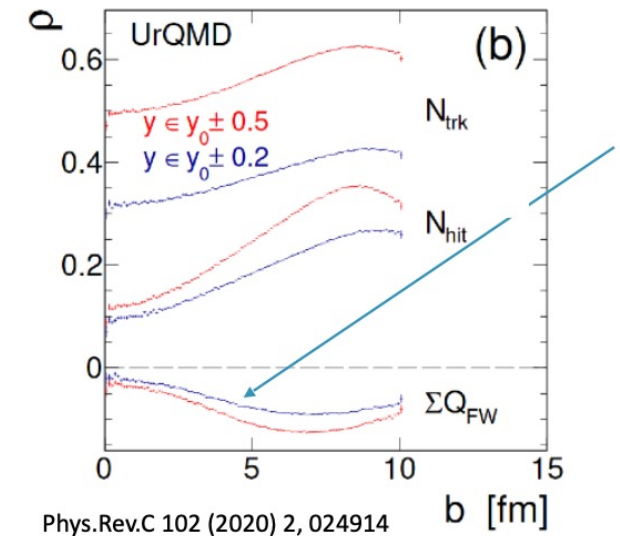
Event Class for mixing (Cent_Energy_{FW}) @ HADES

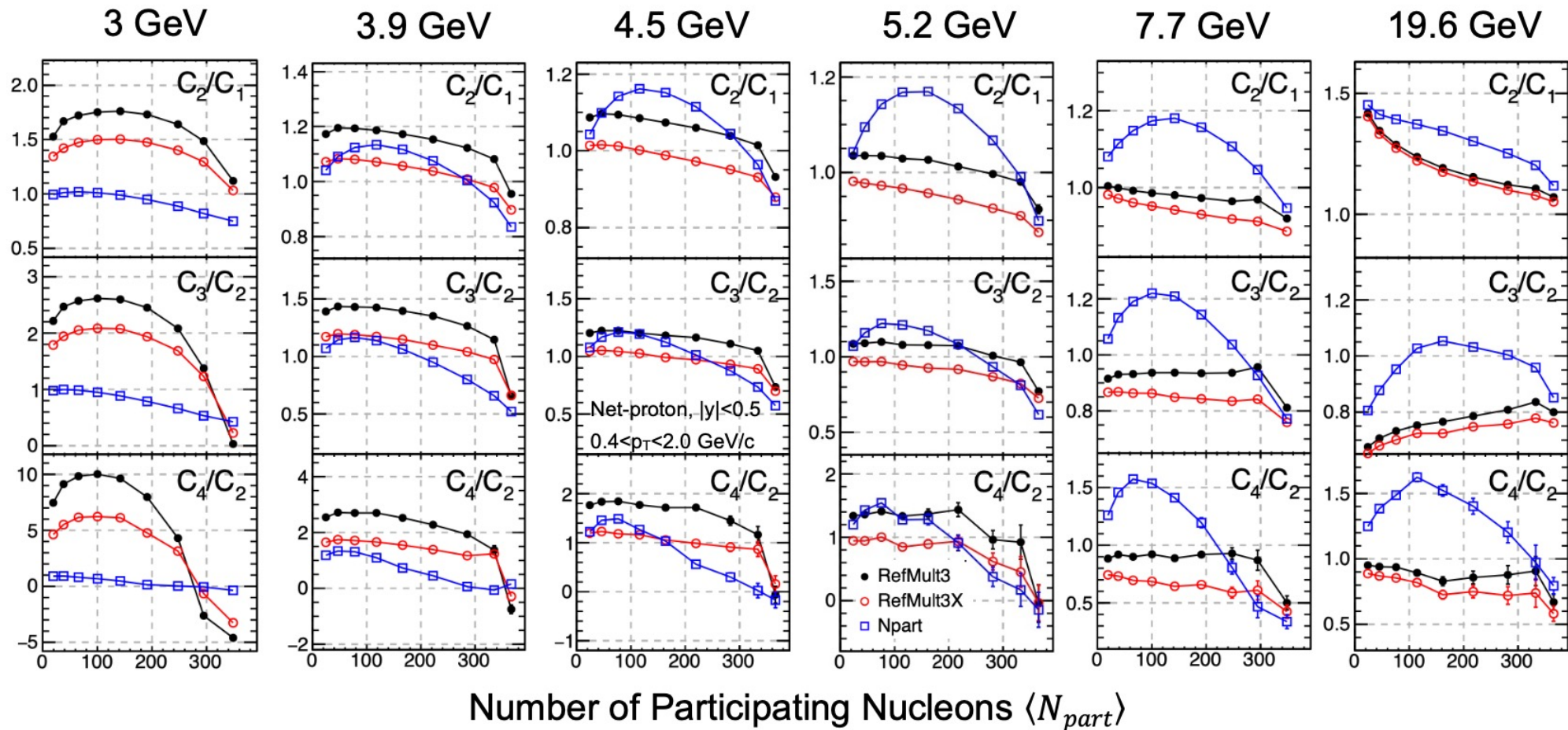
→ test with different centrality N_{HIT} or N_{TRK}

Event Class for mixing (Cent_Mul_{V0}, Z_{VTX} , $\Phi_{2,V0}$, Mul_{TPC}) @ ALICE

→ test with different centrality SPD (silicon pixel detector multiplicity) at mid-rapidity
or with half V0 acceptance (change cent. res.) and/or ZDC (spectator) centrality

- The VF effect at central event to be checked.
- Effect from non-binomial efficiency to be checked in STAR and ALICE with unfolding, mom.exp.
- Fuzzy/Identity method or purity correction.





- It looks from 3.9 GeV, results using Npart (centrality selection and CBWC) starts to be higher results using RefMult3(X).
- The reason is not understood.

