



STAR Beam Use Request

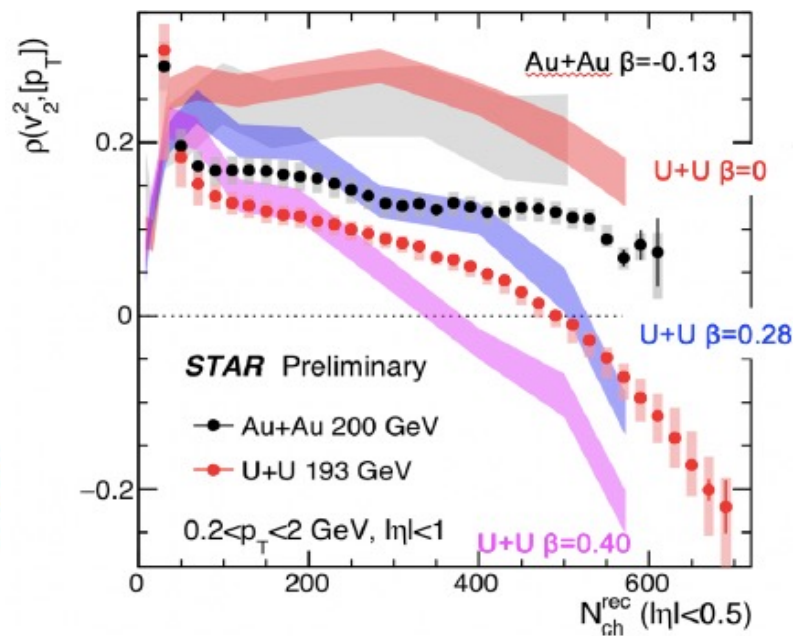
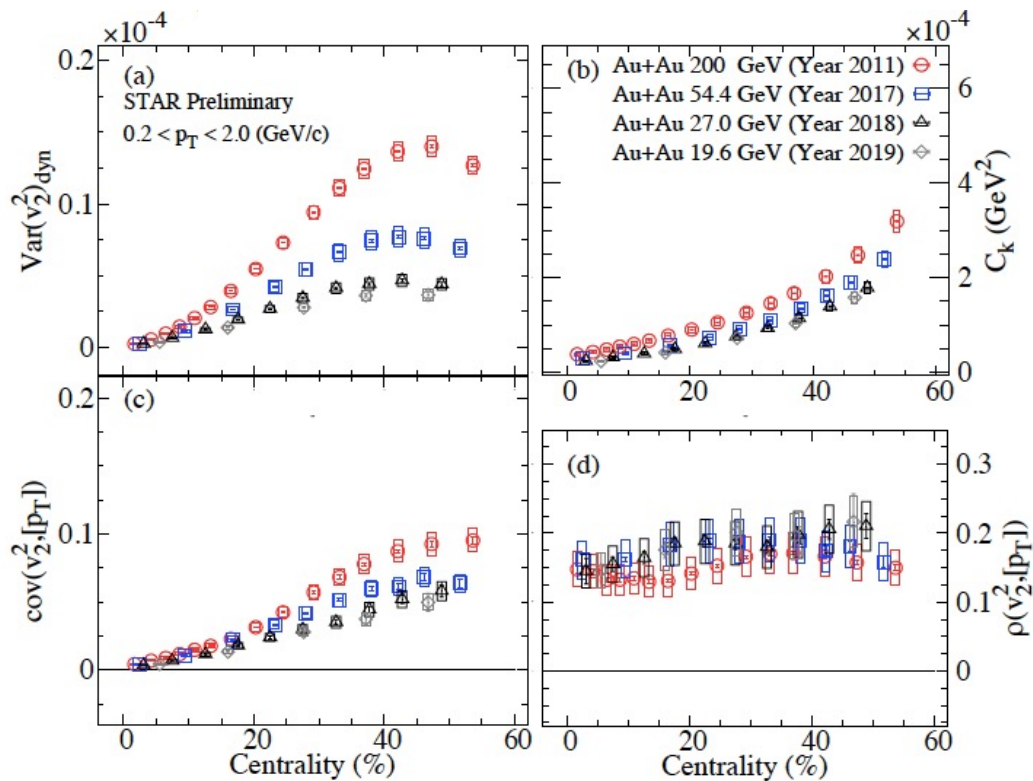
FCV Highlight

Constraints the heavy ion collisions initial state



Expand the discussion to include the v_n - p_T correlations

Jiangyong Jia,
Niseem Magdy
QM-22



Constraints the heavy ion collisions initial state

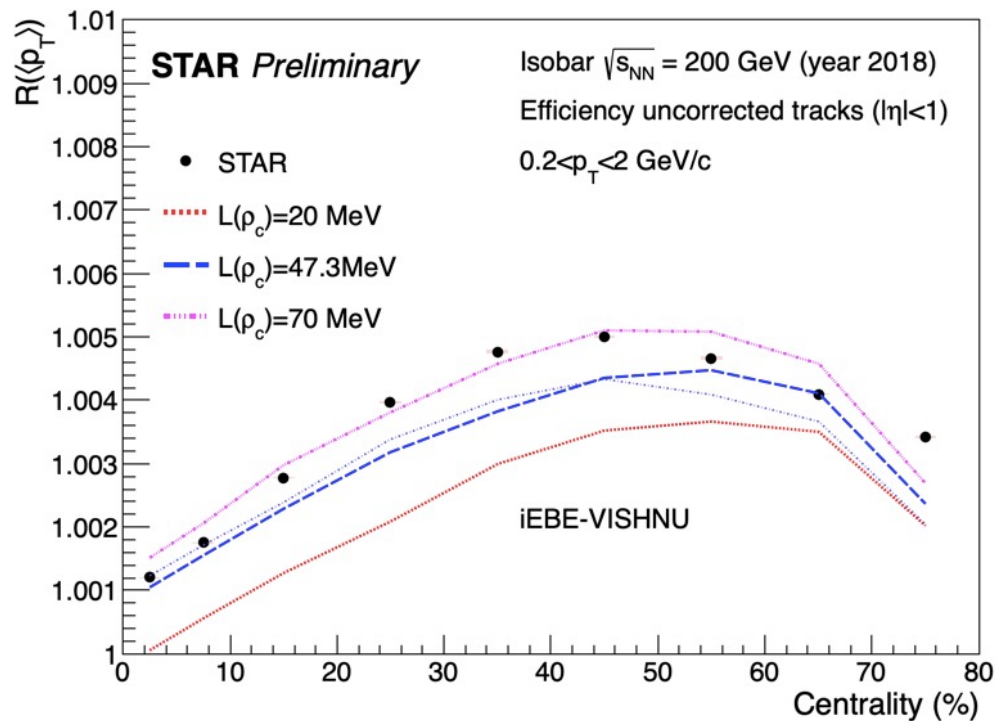
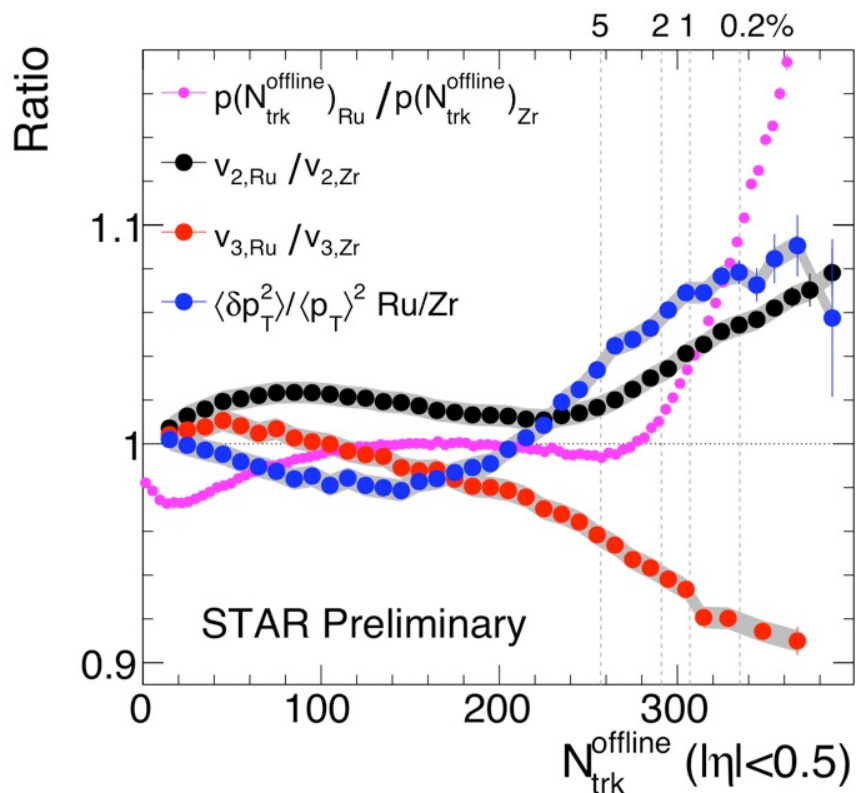


Proposal for the current BUR:

Constraints on the neutron skin thickness and nuclear deformation using isobaric collisions

Haojie Xu and Chunjian

QM-22



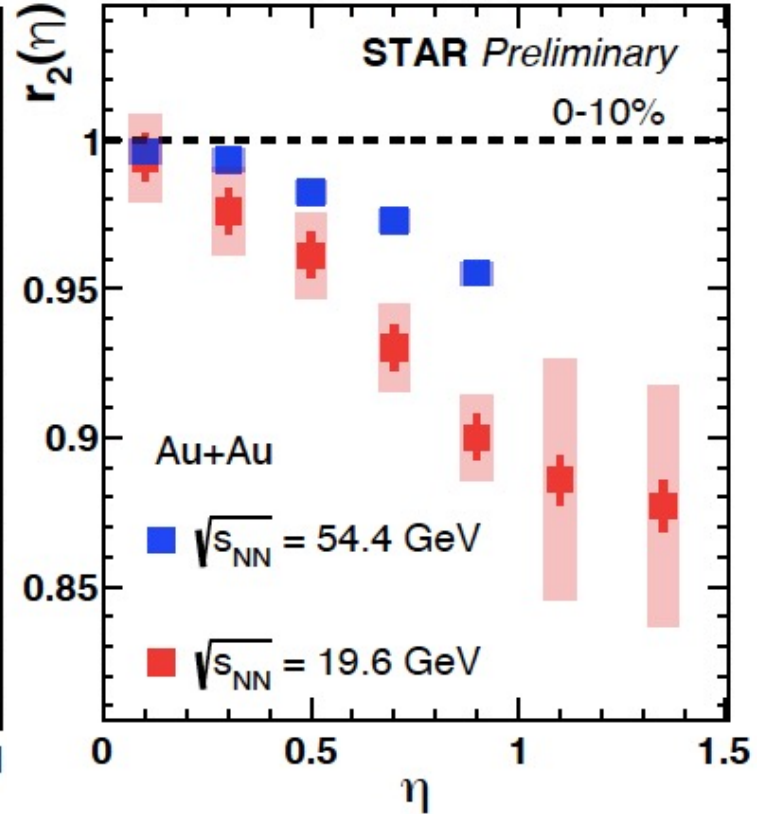
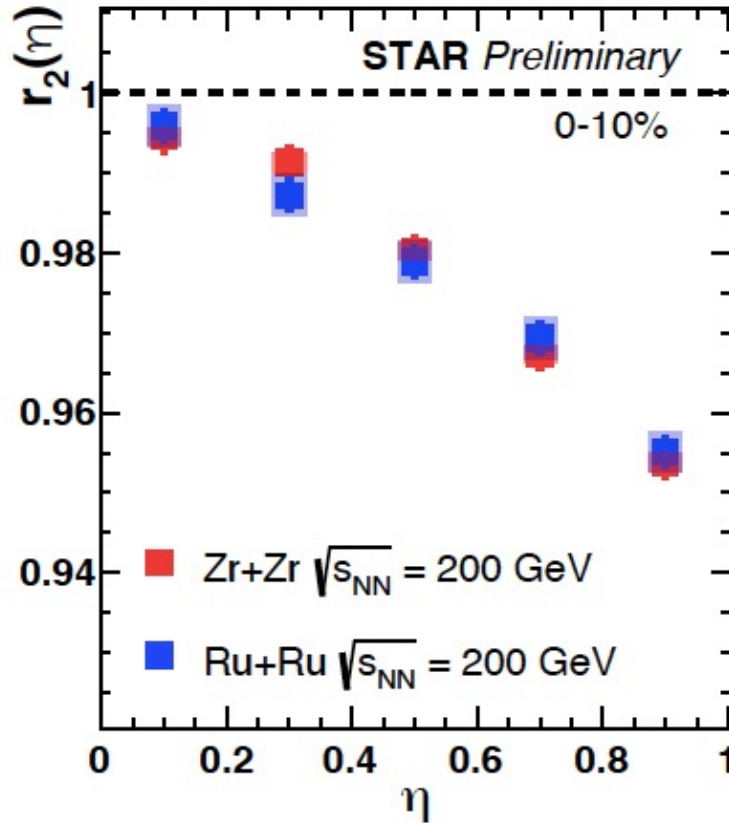
Constraints the heavy ion collisions initial state



Proposal for the current BUR:

Flow decorrelation observables

Gaoguo Yan
QM-22

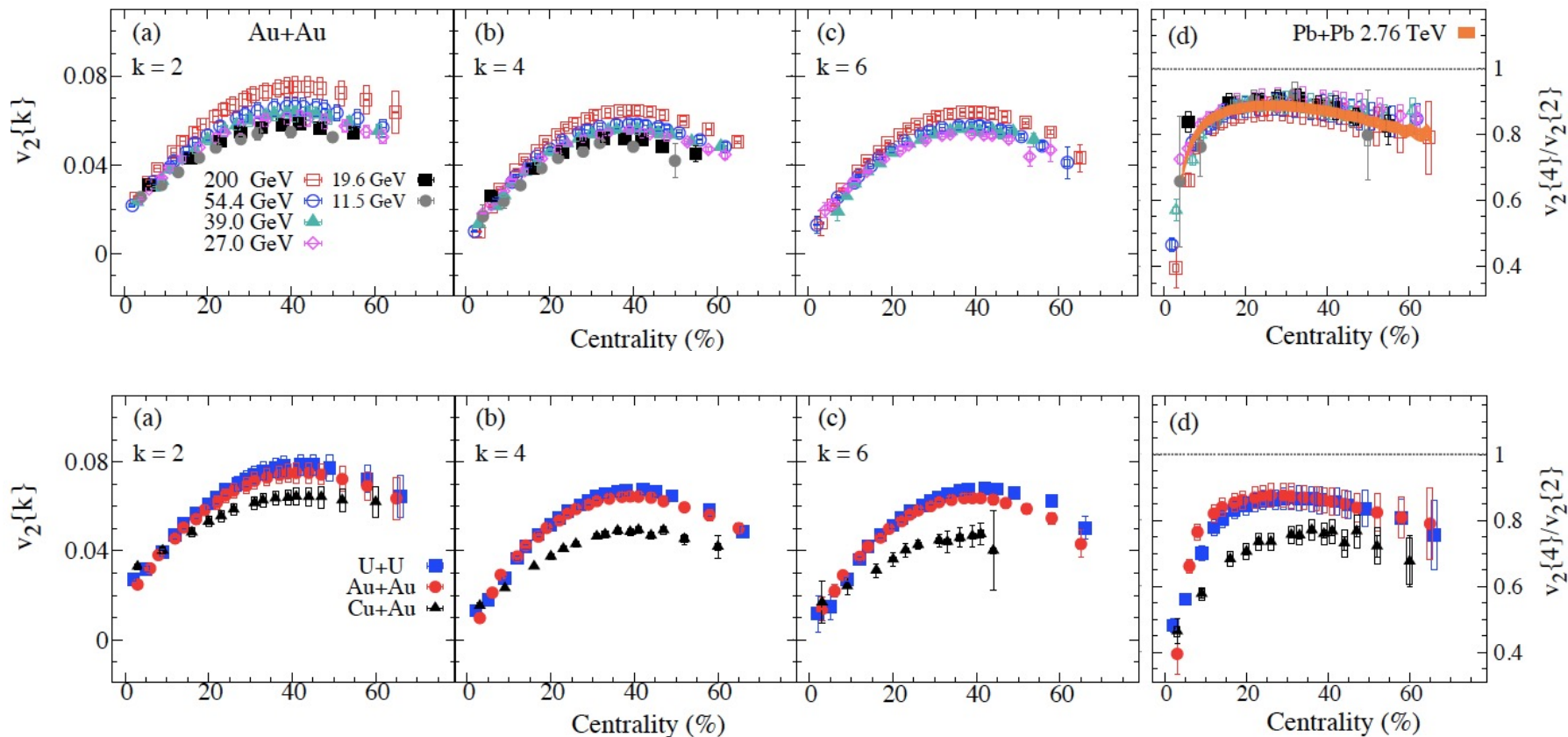


Flow correlations and fluctuations

Expand the discussion to beam energy and system-size



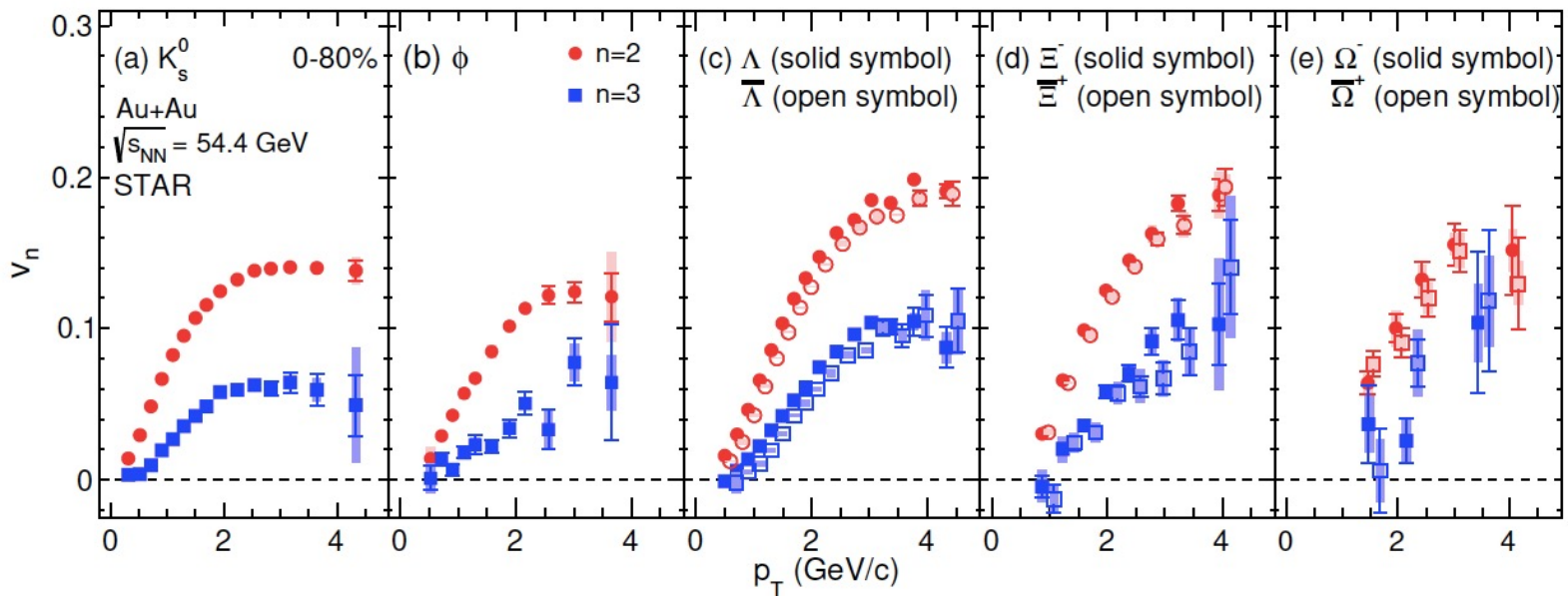
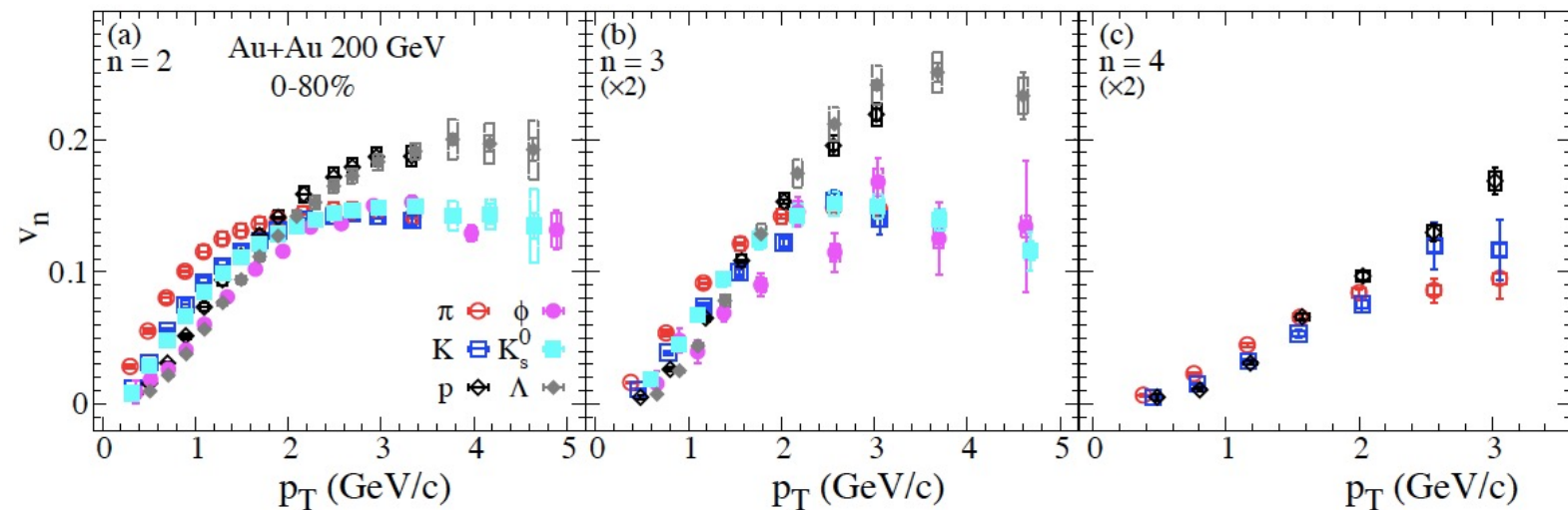
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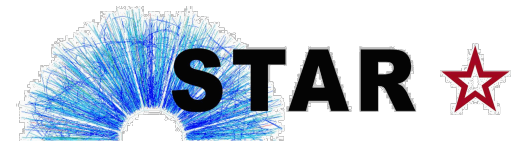
Higher-order flow harmonics of identified hadrons in Au+Au collisions



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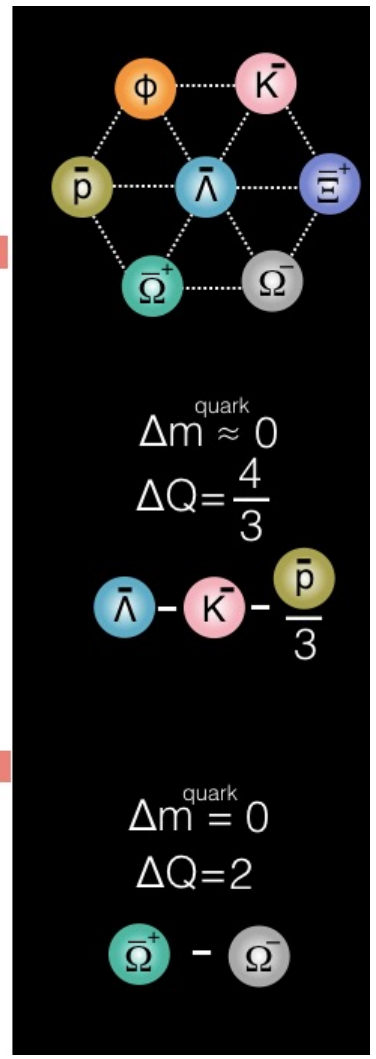
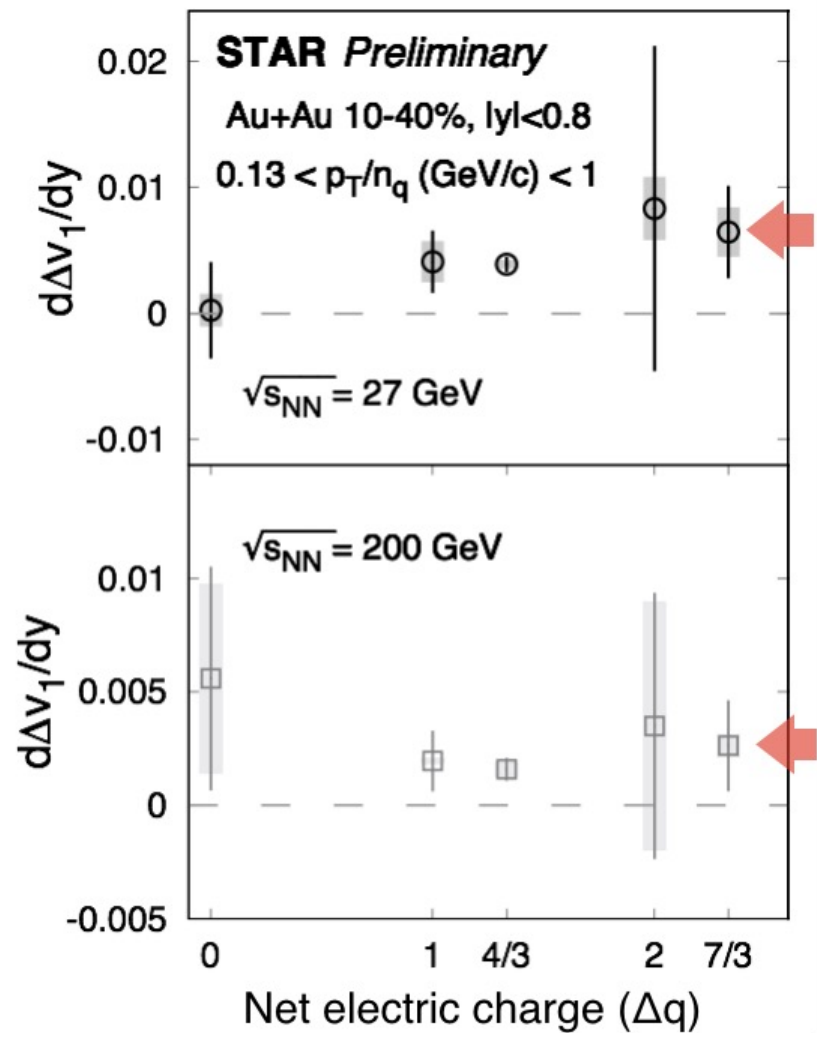


Splitting of charge dependent directed flow



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Ashik Ikbal and Diyu Shen

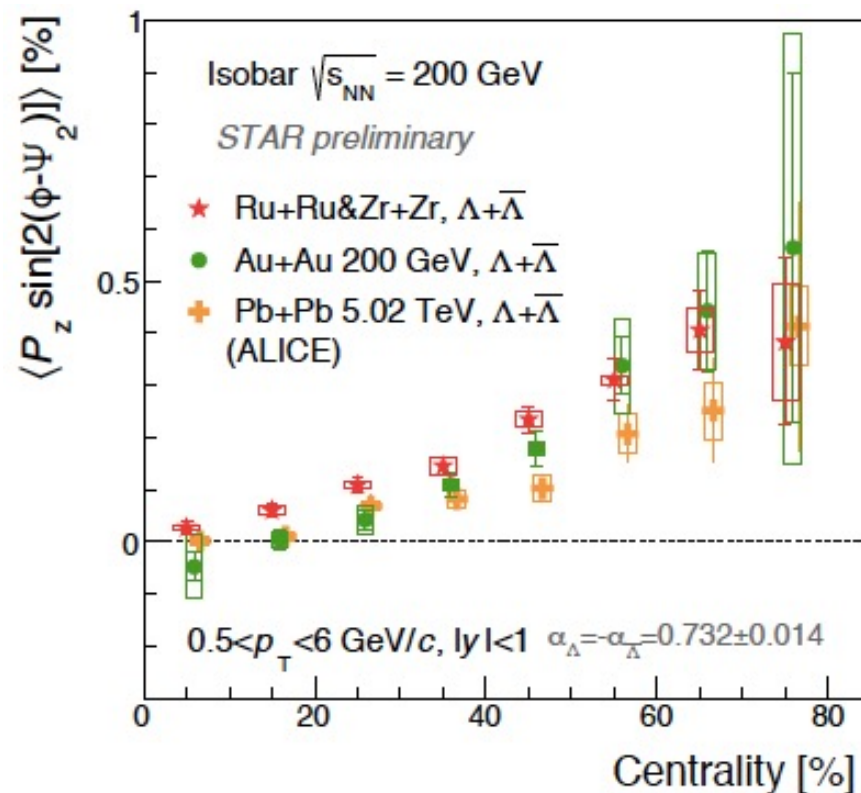
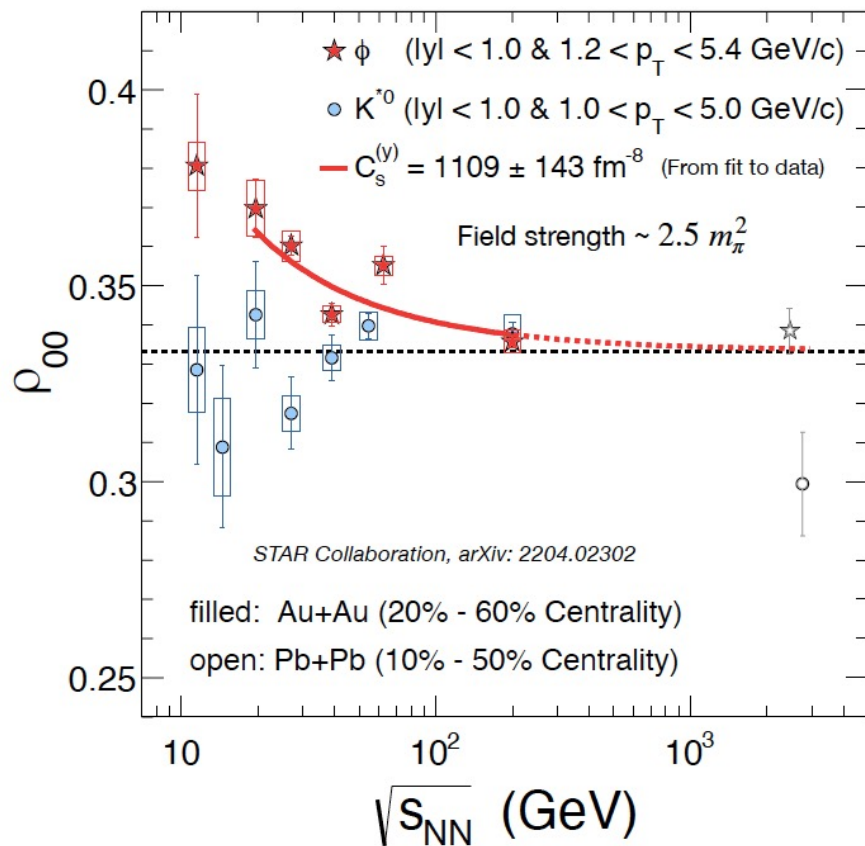
Combination of transport-free hadrons show splitting at various electric charge differences



Polarization and spin alignment

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Subhash Singha, Takafumi Niida

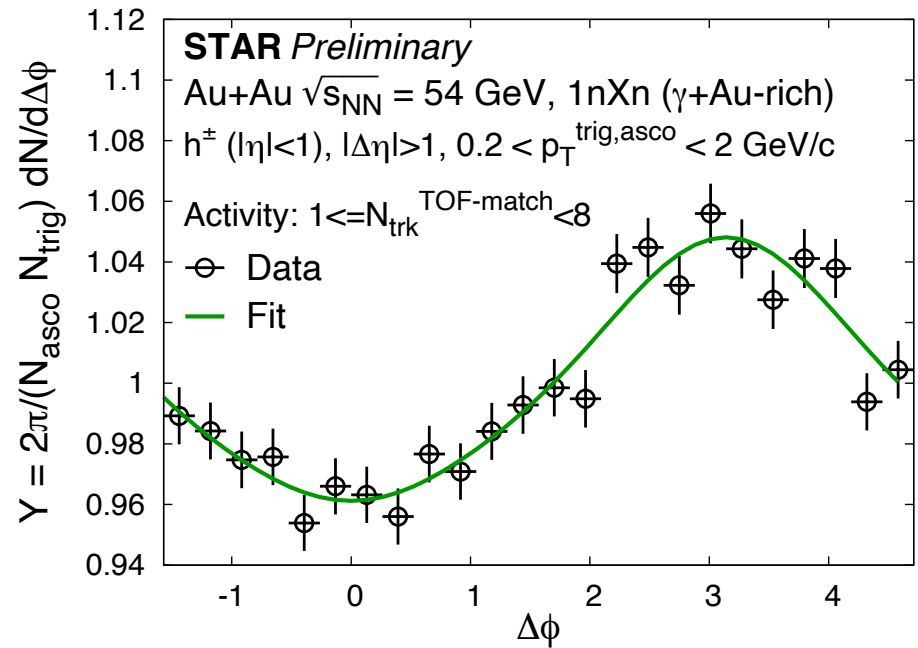
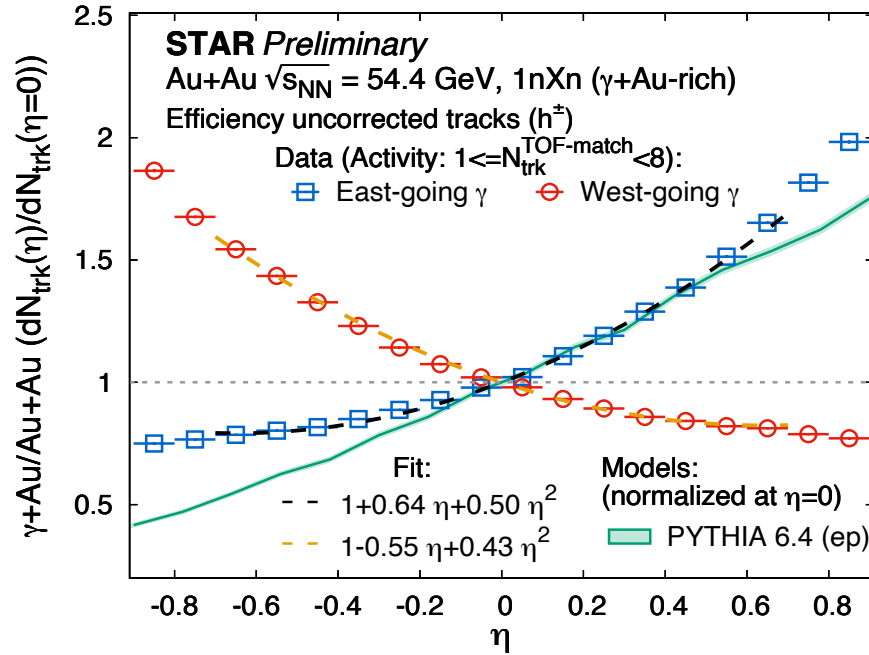


Collectivity in γ +Au collisions

Di-hadron correlations studied in photonuclear processes using Au+Au at 54.4 GeV

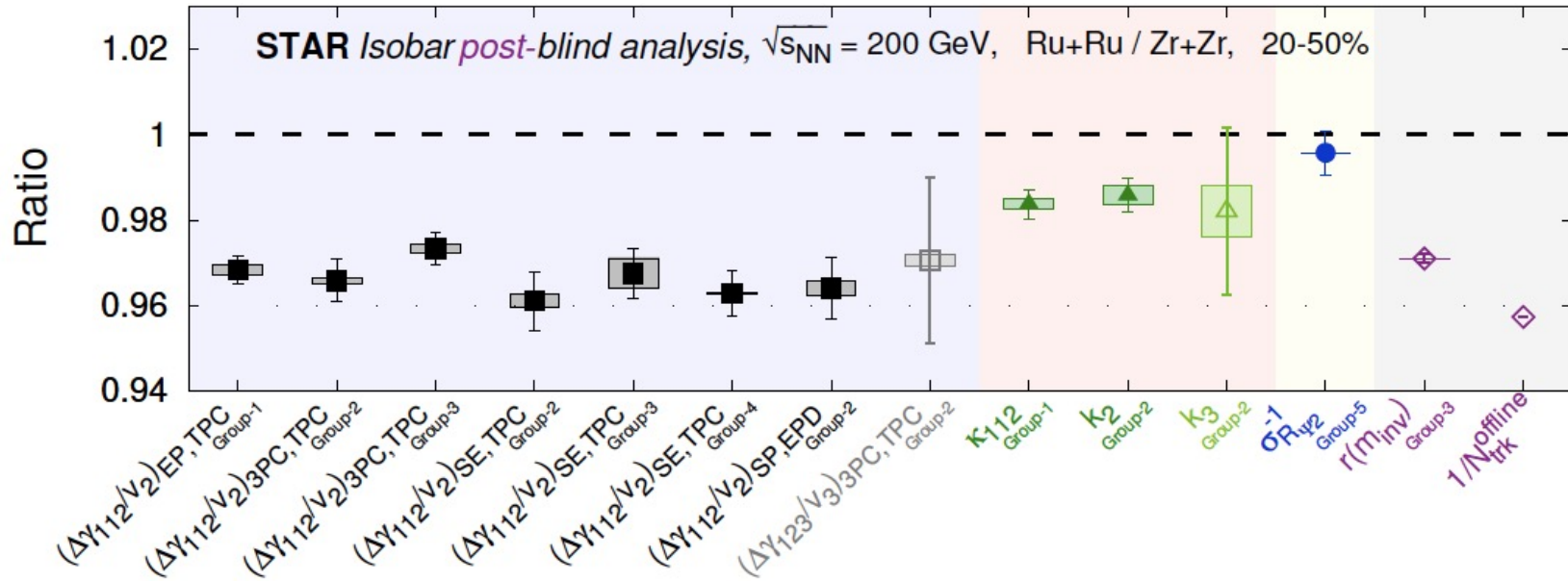
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Tong Liu



Chiral magnetic effect search in isobar collisions

M. Abdallah et al. (STAR Collaboration),
Phys. Rev. C 105 (2022) 1, 014901



- No pre-defined signature of CME is observed in isobar collisions, possible residual signal due to change of baseline & non-flow effects are under study



Thank You

Number fluctuations:



Measurement of the Deuteron Number Fluctuations:

Debasish Mallick
QM-22

