

WPCF 2023 - XVI Workshop on Particle Correlations and Femtoscopy & IV Resonance Workshop 2023



Contribution ID: 95

Type: **Invited**

Probing Equation of State of Dense Baryonic Matter with Heavy-Ion Collisions and Transport Simulations

Friday, 10 November 2023 17:00 (25 minutes)

High compression of nuclear matter occurs in central energetic collisions of heavy nuclei, commonly referred to just as Heavy Ion Collisions (HIC). Inferring the nuclear Equation of State (EoS) requires a careful selection of observables from HIC and comparisons to transport model simulations incorporating different EoS. Current status and plans on both the experimental and theoretical sides will be reviewed, with some emphasis on the symmetry energy. Connection to astrophysical EoS inferences will be discussed, too.

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Session Classification: Day 5 - Afternoon