

Angular momentum direction correlations relevant to measuring polarization phenomena

Effects related to the angular momentum of the mid-rapidity source created in a heavy ion collision are under intense study. While the angular momentum of the collision is completely determined by the impact parameter and the beam direction, the angular momentum of the mid-rapidity source may fluctuate event to event. We study these fluctuations in a Glauber calculation and with the UrQMD transport model. Their relevance to current studies of global hyperon polarization at RHIC will be emphasized.

Preferred Track

Correlations and Fluctuations

Collaboration

Not applicable

Author: Mr ADAMS, Joseph (The Ohio State University)

Presenter: Mr ADAMS, Joseph (The Ohio State University)

Session Classification: Poster Session