

J/ψ azimuthal anisotropy in Ru+Ru and Zr+Zr collisions at $\sqrt{s_{NN}} = 200$ GeV in STAR

Thursday, 11 August 2022 09:40 (15 minutes)

Charm quark serves as an important hard probe for studying the properties of the Quark Gluon Plasma (QGP). Measurements of J/ψ anisotropy flow is a powerful tool to understand the interaction between charm quark and the QGP. With the high-statistics 200 GeV Ru+Ru and Zr+Zr collision data collected by the STAR experiment, J/ψ anisotropy flow are measured as a function of p_T and centrality. The non-flow contributions are highly suppressed by using the Event Plane Detector. The comparison to model calculations, as well as previous experimental results at RHIC and LHC will be discussed.

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Session Classification: Parallel Session VII (3): Heavy Ion Physics

Track Classification: 重离子物理