Beitrag ID: **113** Typ: **Poster**

Suppression of leading particles and flavor correlation modifications in heavy ion collisions

Dienstag, 28. März 2023 18:15 (2 Stunden)

We study the suppression of leading two hadrons within jets and the modifications of their flavor correlations in heavy ion collisions. The di-hadron system is robust against the underlying event background therefore allows its precision measurements. Their suppression is sensitive to any partonic energy loss mechanism and can be used to cleanly test the onset of jet quenching in the evolution history. Also, their flavor correlation probes hadronization in the last stage of jet evolution. We will discuss di-hadron observables in the context of the upcoming RHIC measurements and present studies based on a variety of Monte Carlo simulations, which will lead to realistic measurement in the near future.

Experiment/Theory

Theory/Phenomenology

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Sitzung Einordnung: Poster Session

Track Klassifizierung: Jets and their modification in QCD matter