Beitrag ID: **294** Typ: **Poster**

Jet Quenching with JEWEL+vUSPhydro+TRENTo

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

We have studied the influence of realistic modeling of the medium formed in Relativistic Heavy-Ion collisions on Jet Quenching phenomena. We used JEWEL to simulate the medium modified parton shower and coupled it with vUSP-hydro+TRENTo models. We have studied the influence of these combination of models on jet observables such as R_{AA}, jet mass, x_J and subjet fragmentation. We have benchmarked our method with some of these observables and observed significant differences in these observables behavior when a realistic hydrodynamics is used on them.

Experiment/Theory

Theory/Phenomenology

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Sitzung Einordnung: Poster Session

Track Klassifizierung: Jets and their modification in QCD matter