

# 11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



Beitrag ID: 294

Typ: **Poster**

## Jet Quenching with JEWEL+vUSPhydro+T<sub>R</sub>ENTo

*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+T<sub>R</sub>ENTo 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

### Affiliation

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**Sitzung Einordnung:** Poster Session

**Track Klassifizierung:** Jets and their modification in QCD matter