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# Prediction of jet modification in both large and small systems using the Lido transport model

Jets are excellent probes of the properties of the quark-gluon-plasma. Understanding the evolution of jets inside the hot and dense medium requires a good understanding of the interaction between the medium and the leading parton within the jet. We use a newly developed transport model called LIDO to study this phenomenon. The model includes both large-angle scattering and diffusion processes, as well as improved treatment of parton bremsstrahlung. We conduct a Bayesian analysis of jet parameters in order to determine a high-likelihood range of parameters that is capable of describing various jet observables as well as open heavy flavor observables within a large pT and centrality range in both large and small systems.

## Collaboration (if applicable)

## Track

Jets and High Momentum Hadrons

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