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JEWEL predictions for Jet structure modifications at RHIC
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Rutgers University — RHIC is ideally suited to investigate transport and tomo-
graphic properties of the quark gluon plasma in heavy ion collisions using fully
reconstructed jets as hard probes. In this poster, we present predictions for inclu-
sive di-jet and jet structure observables sensitive to jet-medium interactions. This is
accomplished by harnessing JEWEL, a Monte Carlo event generator for heavy ion
collisions with its updated medium recoil information. With JEWEL’s successful
record of predictions at the LHC, studying its performance at RHIC energies can
precipitate an improved understanding of the jet quenching phenomena.

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