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Abstract for an Invited Paper for the DNP15 Meeting of the American Physical Society

Theoretical interpretation of jet physics results from RHIC and LHC. GRIGORY OVANESYAN, Los Alamos National Laboratory

In this talk we overview some of the theoretical approaches used to understand the modification of properties of jets in dense QCD matter that is created in heavy ion collisions. We discuss the predictions coming from different approaches for the jet quenching and their comparison to RHIC and LHC data. Recent developments and progress from applying effective field theory for jets in the medium will be reviewed.