

* Special UCLA Nuclear Physics Seminar

“Jet quenching in heavy-ion collisions”

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The strongly-interacting quark-gluon plasma (QGP) was one of the most important discoveries in relativistic heavy-ion collisions at RHIC and the LHC. Jet quenching, mainly characterized by parton energy loss and transverse momentum broadening experienced by high energy partons as they traverse and interact with the produced QGP, provides one of the important tools to study the properties of the hot and dense nuclear matter. In this talk, I will present some recent works on jet-medium interaction, with focus on the nuclear modifications of jet rates, jet structures, and jet-like correlations.

Location: Knudsen 4-134

Date: Thursday, February 16th

Time: 11:00am

Refreshments at 10:45am

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