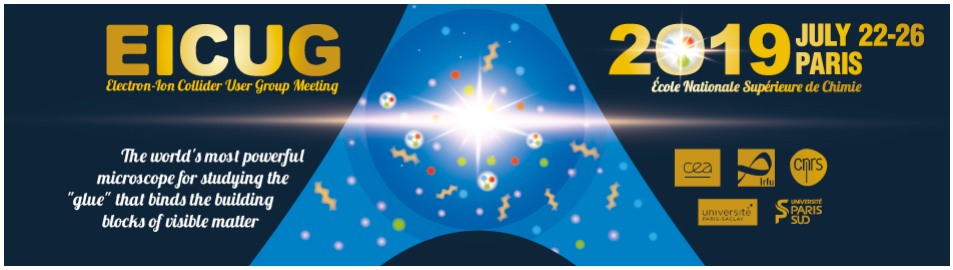

ID de Contribution: **64**

Type: **Oral presentation**

Exploring Jet Observables at an EIC with the JETSCAPE framework

mardi 23 juillet 2019 11:18 (15 minutes)

The JETSCAPE collaboration recently released the first public version of an innovative modular event generator and simulation framework with a unified interface and a comprehensive suite of model implementations for all stages of ultra-relativistic heavy ion collisions.

The framework's modularity and agnosticism regarding the underlying physics assumptions make it a promising platform for developing Monte Carlo models of electron-ion collisions specifically because it allows to concentrate on one aspect at a time, such as medium interaction or hadronization, while leaving other modules unchanged. An overview of necessary modifications and baseline performance for electron+proton collisions will be presented, as well as a first look at possible jet modification observables in e+nucleus collisions.

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Classification de Session: Parallel session B

Classification de thématique: Simulation & software