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## Hydro plus Jets event generation

*Wednesday 6 August 2014 09:30 (30 minutes)*

We present a hybrid model of hydrodynamics, jets and Boltzmann transport for heavy ion collisions. While our previous work to couple MUSIC hydro and UrQMD transport was aimed to describe the low- $p_T$  regime, the improved event generator with MARTINI jets is capable of describing the intermediate and high- $p_T$  regimes as well. We discuss MUSIC+MARTINI+UrQMD model, its implications on the properties of QGP matter and further improvements. We also compare different initial conditions –MC-Glauber and IP-Glasma –and show how they affect the hadronic observables.

**Author:** RYU, Sangwook (McGill University)

**Co-authors:** Dr SCHENKE, Bjoern (Brookhaven National Lab); GALE, Charles (McGill University); YOUNG, Clint (University of Minnesota); DENICOL, Gabriel (McGill University); LUZUM, Matthew (McGill / LBNL); JEON, Sangyong (McGill University)

**Presenter:** RYU, Sangwook (McGill University)

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