Quark Matter 2015 - XXV International Conference on Ultrarelativistic Nucleus-Nucleus Collisions



Contribution ID: 168 Type: Poster

The new C++ based HIJING event generator: HIJING++

Tuesday 29 September 2015 16:30 (2 hours)

The popular HIJING event generator is redesigned to match the compatibility with ALIROOT and is rewritten to C++. We review here the design of the C++ interface and the connections to the PYTHIA 8 event generator. Furthermore, with the development new physics is also introduced, like the inclusion of new particle distribution functions, the DGLAP evolution of the shadowing effect, different jet-quenching models.

Primary author: PAPP, Gábor (Eötvös University)

Co-authors: BARNAFOLDI, Gergely (Hungarian Academy of Sciences (HU)); MA, Guoyang (I); LEVAI, Peter (Hungarian Academy of Sciences (HU)); HARANGOZÓ, Szilveszter (W); WANG, Xin-Nian (Lawrence Berkeley National Lab. (US))

Presenter: PAPP, Gábor (Eötvös University) **Session Classification:** Poster Session

Track Classification: Jets and High pT Hadrons