



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.

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Session Classification: Poster Session

Track Classification: Jets and High pT Hadrons