

Auger Youngsters Meeting 2024 (Siegen)



Contribution ID: 14

Type: **not specified**

Current status of Pythia 8 for air shower studies

Thursday 5 September 2024 11:00 (20 minutes)

- Introduce Pythia 8 model for hadronic interactions
- Motivate using Pythia 8 alongside the current state-of-the-art hadronic interaction models for (extensive) air shower simulations
- Discuss cross-sections among models and compared to Auger (p-air and pp)
- Discuss tune of Pythia 8 for air showers
- Discuss (status of) interface between Pythia 8 and Corsika 8
- Outlook on global tune for air showers

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Session Classification: Main session