

Tuning Pythia for Forward Physics

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The event generator, Pythia, has been invaluable in making predictions at colliders like the LHC. However, Pythia was tuned with central ($\eta < 5$) measurements, and so it should not be expected to reproduce forward physics data, such as what the LHCf collaboration has obtained ($\eta > 10$). If new physics is to be probed at the proposed FPF, one must sufficiently understand the incoming shower of standard model particles. Here, I will discuss an ongoing effort to tune Pythia for the FPF.

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