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## String shoving in jets in PYTHIA8

*Wednesday, 9 September 2020 14:20 (20 minutes)*

Jet observables in dijet events are excellent probes to study collision dynamics in dense systems. Interacting Lund strings will affect jet observables and suggests a new common mechanism responsible for jet modification in p-A and A-A. In this talk, we present our new implementation of the string shoving mechanism in PYTHIA8 which lets us study the effects on jet observables in p-p and nuclear collisions. We also present preliminary results for di hadron correlation studies and show the effects in hadron-jet correlation studies.

**Primary authors:** CHAKRABORTY, Smita (Lund University); BIERLICH, Christian (Lund University (SE)); GUSTAFSON, Gosta (Lund University); LÖNNBLAD, Leif (Lund University (SE))

**Presenter:** CHAKRABORTY, Smita (Lund University)

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