

Measurement of four-jet production in the ATLAS experiment

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Measurements of multi-jet cross-section ratios are presented.

The measured quantities are the ratio of the four-jet and three-jet cross-sections and the ratio of the four-jet and two-jet cross-sections.

The data were collected with the ATLAS detector in proton-proton collisions at a center of mass energy of 13 TeV during 2015-2018.

The results are presented as a function of the transverse jet momentum.

Predictions from different Monte Carlo event generators are compared to the data.

Career stage

Graduate student

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