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Jets at CMS: measurements and QCD/SMEFT interpretation

Tuesday 22 August 2023 18:10 (15 minutes)

Measurements of jet production in proton-proton collisions at the LHC are crucial for precise tests of QCD, improving the understanding of the proton structure and are important tools for searches for physics beyond the standard model. We present the most recent set of jet measurements performed using CMS data, from which measurements of the strong coupling constant and PDF constraints are derived via QCD fits. Interpretation within the standard model effective field theory is also presented.

Collaboration / Activity

CMS

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