

# Jet measurements at CMS

*Tuesday, 28 July 2020 16:00 (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 tool for searches for physics beyond the standard model. We present recent measurements of double-differential cross section of jet production at centre-of-mass energy of 13 TeV with 2016 data and compare them to various predictions. We also report studies on the impact of these measurements on the determination of the strong coupling and of parton density functions of the proton.

## I read the instructions

## Secondary track (number)

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**Session Classification:** Strong Interactions and Hadron Physics

**Track Classification:** 06. Strong Interactions and Hadron Physics