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Prompt $D^{(*)}$ production cross section in pp collisions at $\sqrt{s}=13$ TeV

The production cross section of the prompt open charm mesons has been measured in pp collisions at the LHC center of mass energy of 13 TeV. The data sample corresponds to an integrated luminosity of 29 nb^{-1} collected by the CMS experiment in 2016. The differential cross section of the $D^{(*)}$ mesons has been measured in bins of transverse momentum and pseudorapidity and compared to several theoretical predictions.

Collaboration name

CMS

Primary author: CMS, Collaboration

Presenter: CMS, Collaboration

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