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Differential jet cross sections at the CMS experiment

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We present measurements of differential jet cross sections over a wide range in transverse momenta from inclusive jets to multi-jet final states. Studies on the impact that these measurements have on the determination of the strong coupling α_s as well as on parton density functions are reported.

Author: KAUR, Anterpreet (Panjab University (IN))

Co-author: CMS COLLABORATION

Presenter: KAUR, Anterpreet (Panjab University (IN))

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