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## Upsilon production vs charged particles multiplicity

The ratios of the production cross sections of the Upsilon(nS) mesons are studied using a sample of pp collisions at  $\sqrt{s}=7$  TeV, corresponding to an integrated luminosity of  $4.8 \text{ fb}^{-1}$ , collected with the CMS detector at LHC. The ratios are measured for Upsilon(nS) as a function of the number of charged tracks. Evidence of a decrease of the ratios between the higher and the lower mass states as a function of the particles' multiplicity is observed.

### Collaboration name

CMS

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