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# J/Psi production as a function of charged particle multiplicity in pp collisions at √s = 2.76 and 5.02 TeV with ALICE

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The quarkonium production as a function of multiplicity in proton-proton and proton-lead collisions is considered as an interesting observable to comprehend multi-parton interactions and to seek out the presence of collectiveness in the small systems. The multiplicity dependence of J/$\psi$ production has been studied in pp collisions at $\sqrt{s} = 7$ and 13 TeV and p-Pb collisions at $\sqrt{s_{\rm NN}}$ = 5.02 TeV by ALICE. An increase of the relative J/$\psi$ yields with the relative charged particle multiplicity is observed.

In the light of previous works, results on the multiplicity dependence of the J/$\psi$ yield in pp collisions at $\sqrt{s}$ = 2.76 and 5.02 TeV, measured at forward rapidity, will be presented for the first time in this poster. They will be compared to the available ALICE measurements obtained in pp collisions at $\sqrt{s}$ = 7 and 13 TeV to explore the energy dependence of this correlation. The results will also be compared with theoretical model predictions.

## Content type

Experiment

## Collaboration

## Centralised submission by Collaboration

Presenter name already specified

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