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Type: **Parallel Talk**

ATLAS results on charmonium and B meson production and decays

Friday, 8 July 2022 18:15 (20 minutes)

Recent results from the proton-proton collision data taken by the ATLAS experiment on the charmonium and B meson production and decays will be presented. The measurement of J/ψ and $\psi(2S)$ differential cross sections will be reported as measured on the whole Run 2 dataset. The measurement of the differential cross sections of B^+ production at 13 TeV and their ratios to those measured at 7 TeV will be discussed. The measurement of the differential ratios of B_c^+ and B^+ production cross sections at 8 TeV will be shown. New results on the B_c decays to $J/\psi D_s^{(*)}$ final states obtained with the Run 2 data at 13 TeV will also be reported.

In-person participation

Yes

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