

31st International Symposium on Lepton Photon Interactions at High Energies



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Type: **Talk**

ATLAS measurements of charm and B hadron production and properties

Tuesday 18 July 2023 16:30 (15 minutes)

This talk will discuss recent results from the proton-proton collision data taken by the ATLAS experiment on the production of charm and B hadrons and their properties. Measurements of J/ψ , $\psi(2S)$, D_s , and B^+ differential production cross sections at 13 TeV will be reported. Results on the associated production of the J/ψ with other particles will be shown. Measurements of the B^0 lifetime and the $B_s \rightarrow \mu\mu$ effective lifetime will be presented.

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Session Classification: Flavour

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