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## Measurements of Beauty and Charmonium production with the ATLAS detector

*Tuesday, 9 May 2017 15:30 (15 minutes)*

A wide programme of studies in heavy flavour production at the LHC is performed with the ATLAS detector, including charm and beauty hadrons, quarkonia production in both sectors, and associated production  $J/\psi + W$ ,  $J/\psi + Z$  and  $J/\psi + J/\psi$ .

This talk will cover recent results from ATLAS, including the recent result on prompt  $J/\psi + J/\psi$ , measuring the differential cross-section in several kinematic variables, and a measurement of the fraction of double parton scattering, with comparisons to predictions. The  $X(3872)$  production is also studied, as well as correlations in  $b$ - $\bar{b}$  production.

### Summary

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