

Heavy flavour production in pp and pPb collisions

The physics programme of the LHCb experiment has been expanded recently to new areas, notably including heavy ion data. In this talk we present measurements of heavy flavour production in pp collision at various centre-of-mass energies. These results are important inputs for QCD effective models predicting the production cross-sections and polarisations of heavy flavoured hadrons. Furthermore, we present measurements of nuclear modification factors and forward-backward asymmetries for Υ , prompt and displaced J/ψ and $\Psi(2S)$, and prompt D^0 meson production in pPb collisions.

Summary

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