

# Strangeness in Quark Matter 2019



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## Production of open heavy flavour hadrons in pPb collisions at LHCb

*Tuesday 11 June 2019 15:00 (20 minutes)*

A rich set of open heavy flavour states is observed by LHCb in pPb collisions collected at 5 and 8.16 TeV nucleon-nucleon center-of-mass energies. Thanks to the LHCb forward acceptance that is complementary to general purpose detectors, heavy-flavour hadrons can be studied down to zero pT. Presented in this talk is the measurements of production of beauty hadrons and open charm states including the  $\Lambda_c$  baryon, through cleanly reconstructed exclusive decays. Nuclear effects are studied, quantified by the nuclear modification factors, forward-to-backward production ratios and baryon-to-meson ratios.

### Collaboration name

LHCb

### Track

Heavy Flavour

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**Session Classification:** Heavy Flavour