



Contribution ID: 216

Type: **Parallel Talk**

## Open heavy flavour measurements in pPb collisions at LHCb

*Thursday, July 6, 2017 10:45 AM (15 minutes)*

Open heavy flavour hadron production is studied in pPb collisions at  $\sqrt{s_{NN}} = 5$  and 8 TeV with the LHCb experiment. The detector has excellent capabilities for particle identification and for the reconstruction of charm and beauty hadrons down to zero pT. Both forward and backward rapidities are covered thanks to the possibility of beam reversal. Results include measurements of the nuclear modification factors and forward-backward ratios for open heavy flavour hadrons. These measurements can provide important constraints to models for heavy quark production in heavy-ion collisions as well as the baseline for understanding quarkonium productions.

### Experimental Collaboration

LHCb

**Primary author:** GERSABECK, Marco (University of Manchester (GB))

**Presenter:** ROBBE, Patrick (Universite de Paris-Sud 11 (FR))

**Session Classification:** Heavy ion physics

**Track Classification:** Heavy Ion Physics