

# Quark Matter 2019 - the XXVIIIth International Conference on Ultra-relativistic Nucleus-Nucleus Collisions



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## Open and hidden beauty production in pPb collisions at LHCb

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Provided by the large beauty quark mass, beauty production is sensitive to test pQCD calculation as well as the nuclear matter effects in heavy ion collisions. In this talk, the measurement of open beauty hadron and Upsilon production in pPb data at nucleon-nucleon center-of-mass energy 8.16 TeV is presented. Nuclear matter effects, including the modification of gluon PDF and beauty hadronization in nuclear environment are discussed. The production of Upsilon excited states is used to investigate final state effects in pPb collisions.

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