



Contribution ID: 38

Type: **Parallel Talk**

Prompt photon production in p-Pb collisions at $\sqrt{s_{NN}} = 5\text{TeV}$

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At very small fractional momentum of the nucleon, the increase of the gluon density is expected to saturate, but no experimental measurements have yet shown this saturation effect without ambiguity. Measurements of prompt photon production at forward rapidity in p-Pb collisions represent suitable tests for the onset of the gluon saturation.

The LHCb experiment is well suited for prompt photon measurement as it is equipped with tracking, particle identification and calorimetry detectors that cover the same pseudo-rapidity acceptance $2 < \eta < 5$. New results on prompt photon measurements in p-Pb collisions at $\sqrt{s_{NN}} = 5\text{TeV}$ will be presented.

Content type

Experiment

Collaboration

LHCb

Centralised submission by Collaboration

Presenter name will be specified later

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Session Classification: Initial state physics and approach to equilibrium

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