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## Probing low-x phenomena at LHCb

*Tuesday, 27 September 2022 10:40 (20 minutes)*

The LHCb detector is able to probe kinematic coverage at low Bjorken- $x$  down to  $1e-5$  or lower due to its forward rapidity coverage. In this talk, studies of vector boson and hadron production in proton-proton and proton-lead collisions are presented. The Z boson events are used to probe the proton structure while a relatively unknown low- $x$  region is studied with charged and neutral hadron production. Comparisons to theoretical model calculations are also discussed.

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**Session Classification:** Low  $x$ , PDFs and hadronic final states

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