QCD@LHC2022
28 November 2022 to 2 December 2022
IJCLab Orsay, France

Contribution ID: **155** Type: **not specified**

# Heavy flavour in fixed-target experiments at the LHC: recent results and prospects for future measurements

*Wednesday 30 November 2022 14:20 (15 minutes)*

Fixed-target experiments at the LHC provide opportunities to study QCD in novel collision systems and in regions of phase space inaccessible to collider experiments. These unique features make fixed-target measurements powerful for constraining parton distribution functions (PDFs) and therefore probing proton and nuclear structure. In this talk, recent measurements of heavy flavour production in the fixed-target configuration of LHCb and their potential impact on PDFs will be presented. Prospects for future measurements at the LHC with the upgraded LHCb fixed-target program and proposed ALICE fixed-target program will also be discussed.

## Declaration

I certify that I have checked that I am authorised to submit the abstract with the listed co-authors with their current affiliations

## Change of Speaker

I understand that change of speaker is allowed provided that no participant gives more than one talk. Otherwise, we will ask the speaker to choose between one or the other abstract to be presented.

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**Session Classification:** Parallel A - WG4&7

**Track Classification:** WG4: Heavy-quark and Quarkonium Physics