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## Electroweak Physics in the Forward Region

*Thursday, 7 July 2022 10:05 (15 minutes)*

The LHCb experiment covers the forward region of proton-proton collisions, and it can improve the current electroweak landscape by studying W and Z bosons in this phase space complementary to ATLAS and CMS. Thanks to the excellent detector performance, fundamental parameters of the Standard Model can be precisely measured by studying the properties of the electroweak bosons. In this talk an overview of the wide LHCb electroweak measurement program will be presented. This include the measurement of the W boson mass and the measurement of  $Z \rightarrow \mu^+ \mu^-$  angular coefficients.

### In-person participation

Yes

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