

# Physics results with the CMS Precision Proton Spectrometer and projections for the HL-LHC with PPS2

*Saturday 20 July 2024 09:42 (15 minutes)*

This talk will present the recent results from various analyses on signals containing intact protons measured by the CMS Precision Proton Spectrometer (PPS), which includes searches for New Physics in the electroweak sector. As the operation of the HL-LHC will require more stringent selection of intact protons due to the higher pileup, the PPS2 project will be presented and projections for potential physics analyses with the upcoming data from Phase-II will be discussed.

## **Alternate track**

1. Top Quark and Electroweak Physics

## **I read the instructions above**

Yes

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**Session Classification:** Top Quark and Electroweak Physics

**Track Classification:** 04. Top Quark and Electroweak Physics