

# XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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Type: **Contributed Talk**

## Proton reconstruction with the Precision Proton Spectrometer (PPS) in Run 2

*Wednesday, 14 April 2021 10:00 (18 minutes)*

The Precision Proton Spectrometer (PPS) started operating in 2016 and has collected more than  $110 \text{ fb}^{-1}$  of data over the course of the LHC Run 2, now fully available for physics analysis. The talk will discuss the key features of PPS alignment and optics calibrations developed from scratch. The reconstructed proton distributions, performance of the PPS simulation and finally validation of the full reconstruction chain with physics data (dilepton events) will be shown.

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**Session Classification:** Small-x, Diffraction and Vector Mesons

**Track Classification:** Small-x, Diffraction and Vector Mesons