

Precision W Boson Measurements at CMS (30' talk + 30' discussion)

Monday 17 April 2023 11:30 (1 hour)

Precision measurements of W Boson production are of great interest in improving understanding of the proton structure, and as a precursor to measurements of the W mass. Measurements of differential and polarized W production cross sections will be discussed, including implications for improving knowledge of the proton PDF. Preliminary studies of experimental aspects of W mass measurements using Z events as a proxy will also be discussed.

Presenter: BENDAVID, Josh (Massachusetts Inst. of Technology (US))