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EW Measurements at High Q^2 at HERA

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Over 15 years of data taking at the HERA ep collider about 1 fb^{-1} was gathered in the H1 and ZEUS experiments for neutral and charge current deep inelastic processes at the center-of-mass energy of 320 GeV. This allows to provide the precise determination of the parton distribution functions in the proton and study of the EW effects using data from high Q^2 , where the contribution from W, Z bosons is significant.

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Classification de Session: Standard Model and beyond