



Contribution ID: 91

Type: **Oral presentation**

## **HERAPDF2.0 fits including all HERA+II inclusive data sets**

*Tuesday, April 29, 2014 10:05 AM (25 minutes)*

New combined H1 and ZEUS data on neutral and charged current inclusive cross sections at HERA from all running periods 1994-2007, are used as the sole input to NLO and NNLO QCD analyses to determine new sets of parton distributions, HERAPDF2.0, with small experimental uncertainties and an estimate of model and parametrisation uncertainties. Charm and jet production data are also included in the fit to improve, in particular, the determination of the gluon density and the strong coupling,  $\alpha_s$ .

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**Session Classification:** WG1: Structure Functions and Parton Densities

**Track Classification:** WG1: Structure Functions and Parton Densities