

XX International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 344

Type: **not specified**

HERAFitter

Wednesday 28 March 2012 11:50 (20 minutes)

HERAFitter, a common initiative of the H1 and ZEUS collaborations, is an open source software package which provides a framework for precision QCD analyses, based on the evolution package of QCDNUM. The beta-release of the HERAFitter package contains a set of programs to fit inclusive deep inelastic scattering cross section data from HERA as well as Drell-Yan and inclusive jet processes, which are included using APPLGRID and FastNLO interfaces. HERAFitter provides an optimal platform to perform elaborate benchmarking studies of different theoretical models with rigorous treatment of experimental uncertainties. The package enables the determination of the proton parton density functions (PDFs) using precise data from LHC.

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Session Classification: Structure functions

Track Classification: Structure functions