

Analysis strategy

Code:

- NLO and NNLO QCD analysis with NLO electroweak corrections. NNLO (QCD) and NLO (EW) corrections applied as k -factors to NLO MCFM-APPLGRID based predictions.
- HERAFitter codes (see hepforge).

Data:

- Minimum set of input data to enable PDF determination but don't bias influence of the ATLAS data: HERA-I combined data.
- Focus on PDFs where ATLAS has unique contribution: strange sea density measurement at low x .
- Cross check results by including other data.