## **Initialisation**

#### Data

- Collider, Fixed Target:
  - ep, µp
- Collider:  $pp, p\bar{p}$

## **Theory**

- PDF Parametrisation
- QCD Evolution:
  - DGLAP (QCDNUM),
  - non-DGLAP (CCFM, dipole)
- Cross Section Calculation

# **QCD** Analysis

- Treatment of the Uncertainties
- Fast  $\chi^2$  Computation
- Minimisation (MINUIT)

#### **Results**

- PDFs, LHAPDF, TMDlib Grids
- $-\alpha_{\rm s}, m_{\rm C}, \ldots$
- Data vs. Predictions
- $\chi^2$ , Pulls, Shifts