

#### **Initialisation**

## **Input Data**

Data Type

- Collider ep
- Collider pp, ppbar
- Fixed Target data

## **Theory Predictions**

**Factorisation Theorem** 

- PDF Parametrisation
- QCD Evolution (QCDNUM)
- Cross Section Calculation

# Minimisation (MINUIT)

Treatment of the uncertainties:

- Nuisance parameters
- Covariance Matrix
- Monte Carlo method

### Results

- PDF LHgrids
- alphas, mc, ..
- Data vs Predictions
- Chi2, pulls, shifts