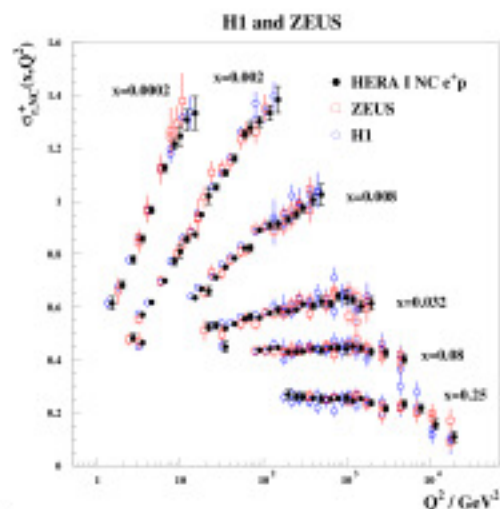


## *experimental data*



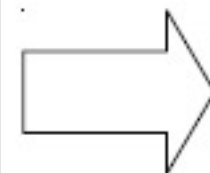
**Data:** HERA, Tevatron, LHC,  
fixed target experiments

### **Processes:**

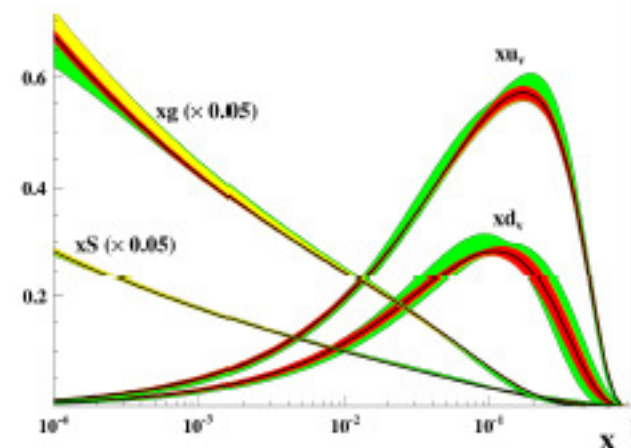
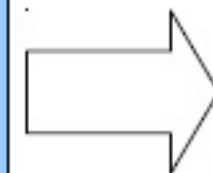
Inclusive DIS, Jets, Diffraction  
Drell-Yan, Top production  
W and Z production

## *theory calculations*

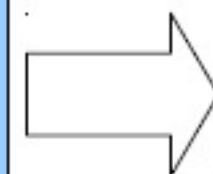
**Heavy Flavour schemes:** MSTW, CTEQ, ABM  
**Jets, W, Z:** FastNLO, Applgrid  
**Top:** Hathor  
**Evolution:** QCDNUM,  $k_T$  scheme  
**Other:** NNPDF reweighting  
Dipole model



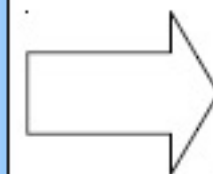
**HERAFitter**



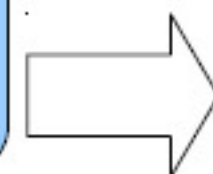
Parton Density  
Functions  
(PDF, DPDF, uPDFS)



$\alpha_s(M_Z)$ ,  $m_c$ ,  $m_b$ ,  $m_t$  ...



Theoretical cross  
sections



Comparisons to other  
PDFs (lhapdf)