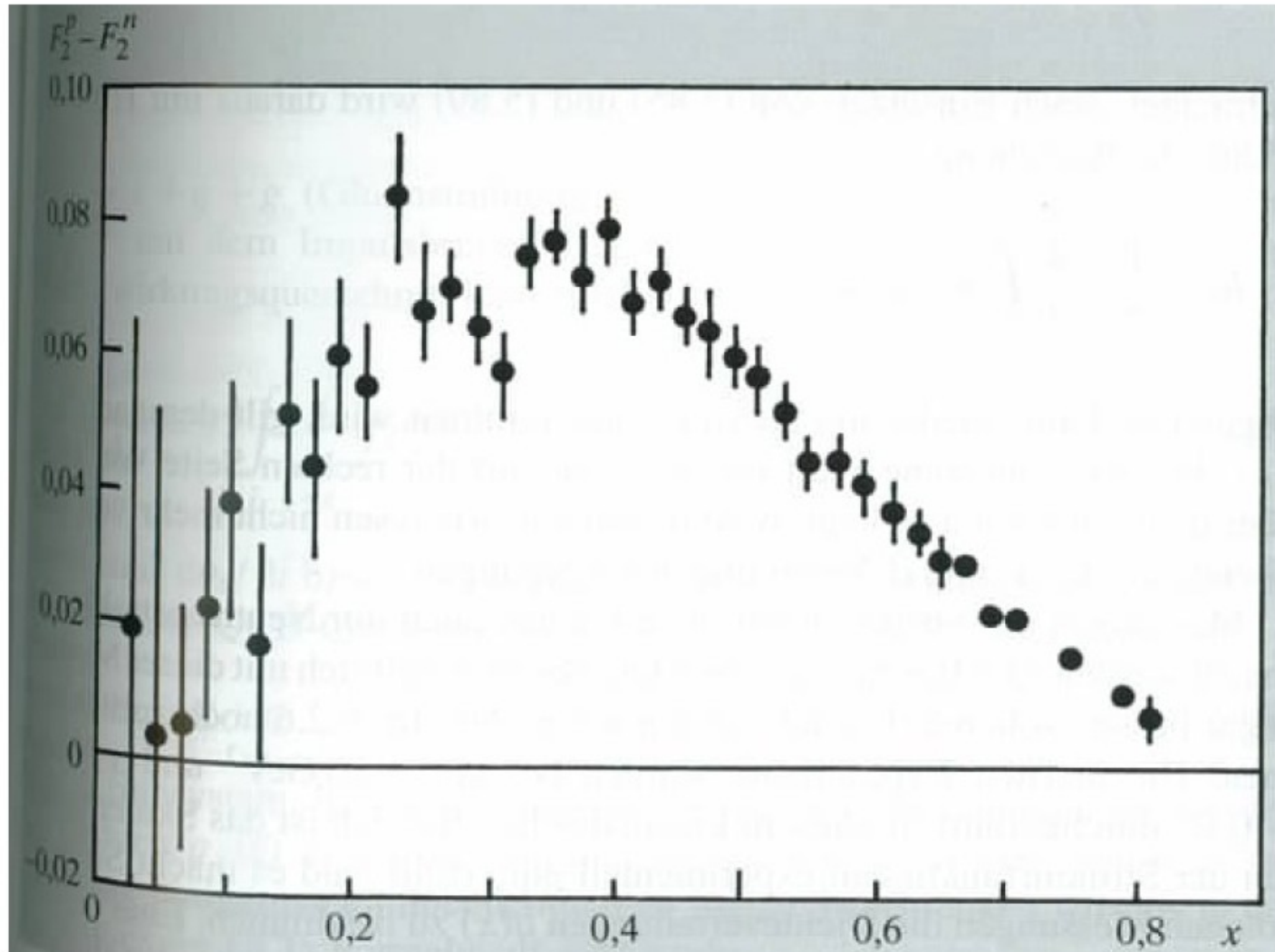


Proton Structure

- Scaling Violations
- Altarelli-Parisi Gleichungen
- QCD fits
- Parton Densities

$$F_2^p - F_2^n$$



X

Scaling Violations at large x

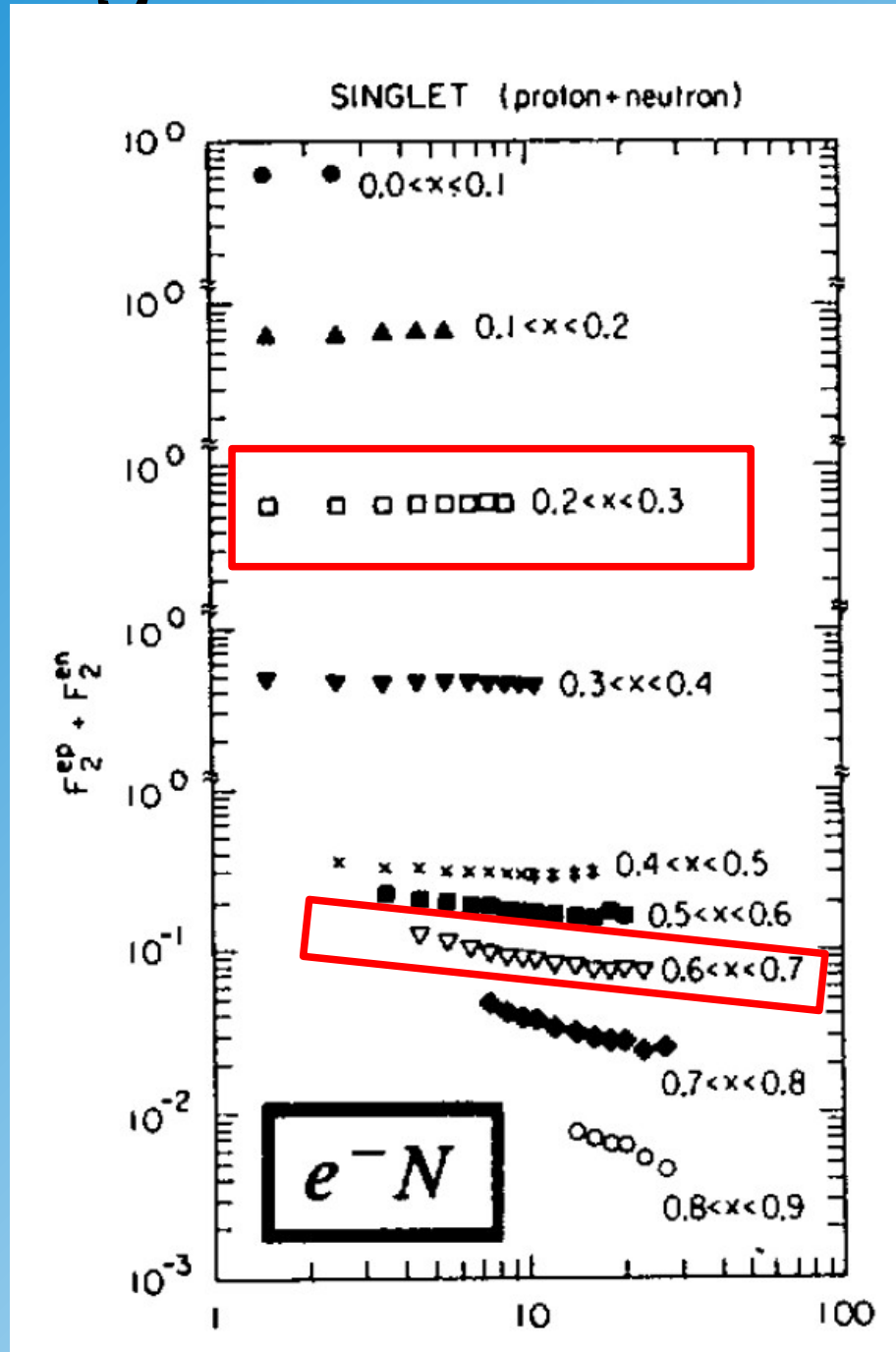
X<0.1

X~0.25

X~0.35

X~0.65

X~0.85

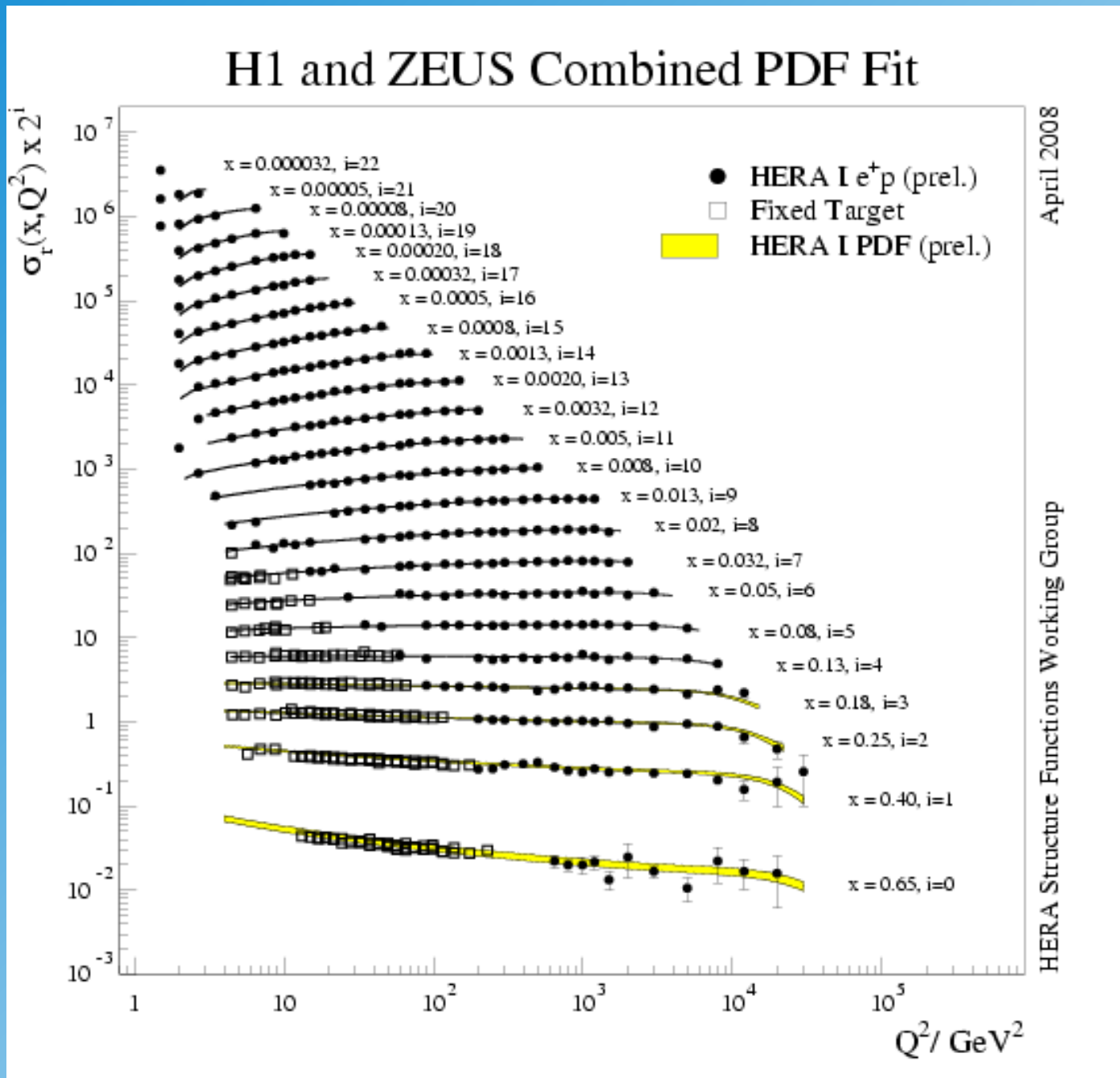


SLAC

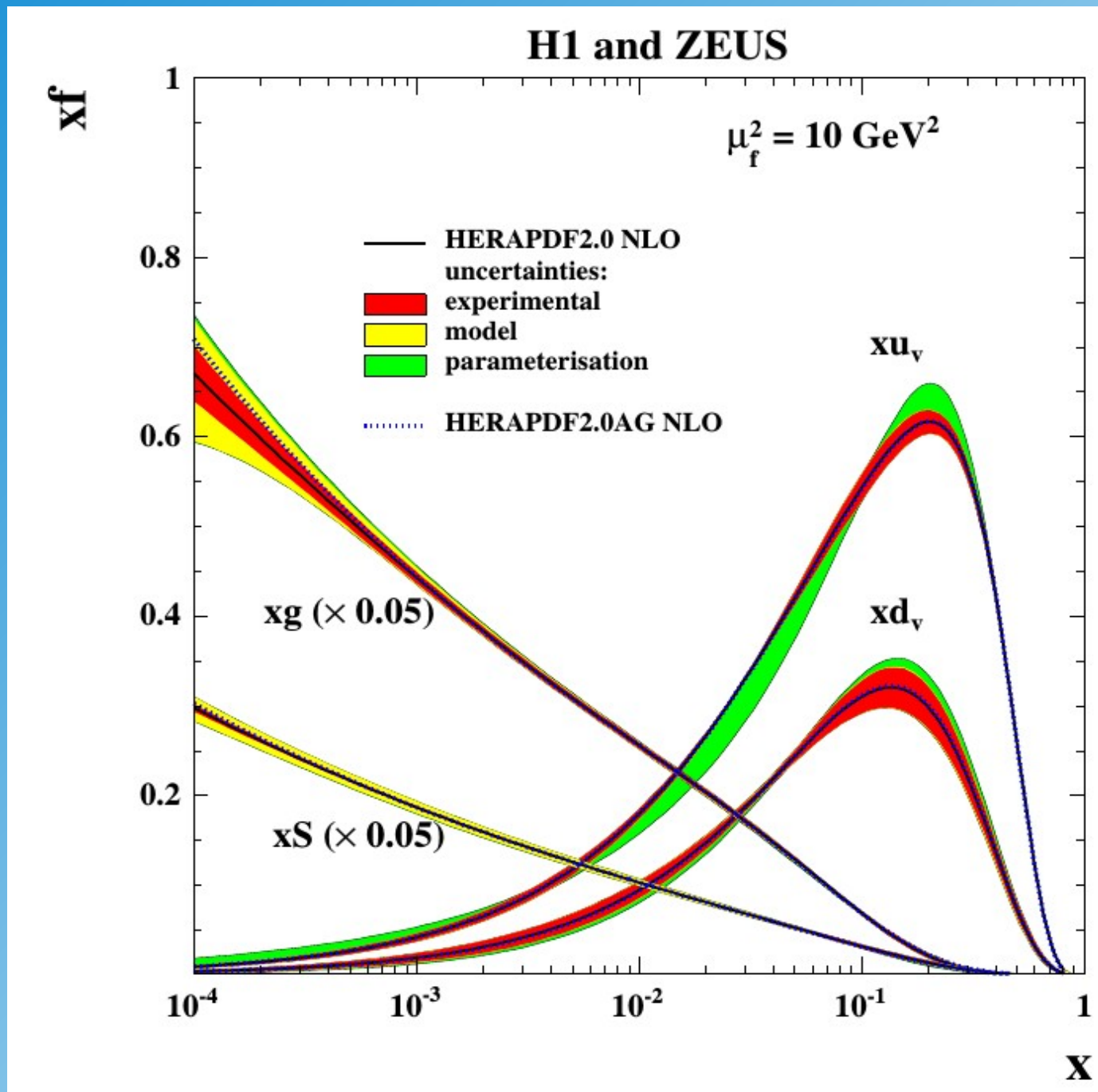
BCDMS

Q^2 (GeV²)

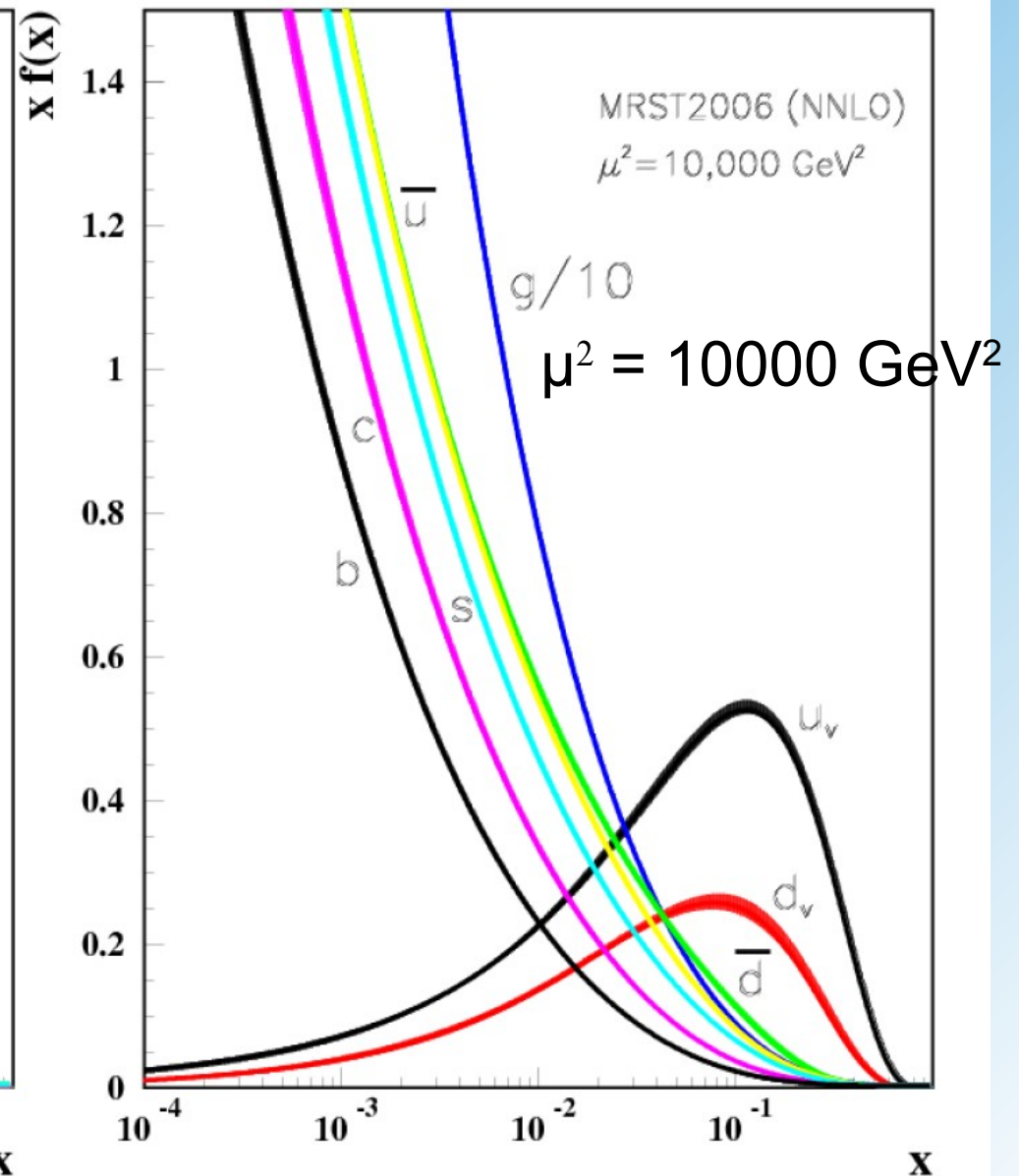
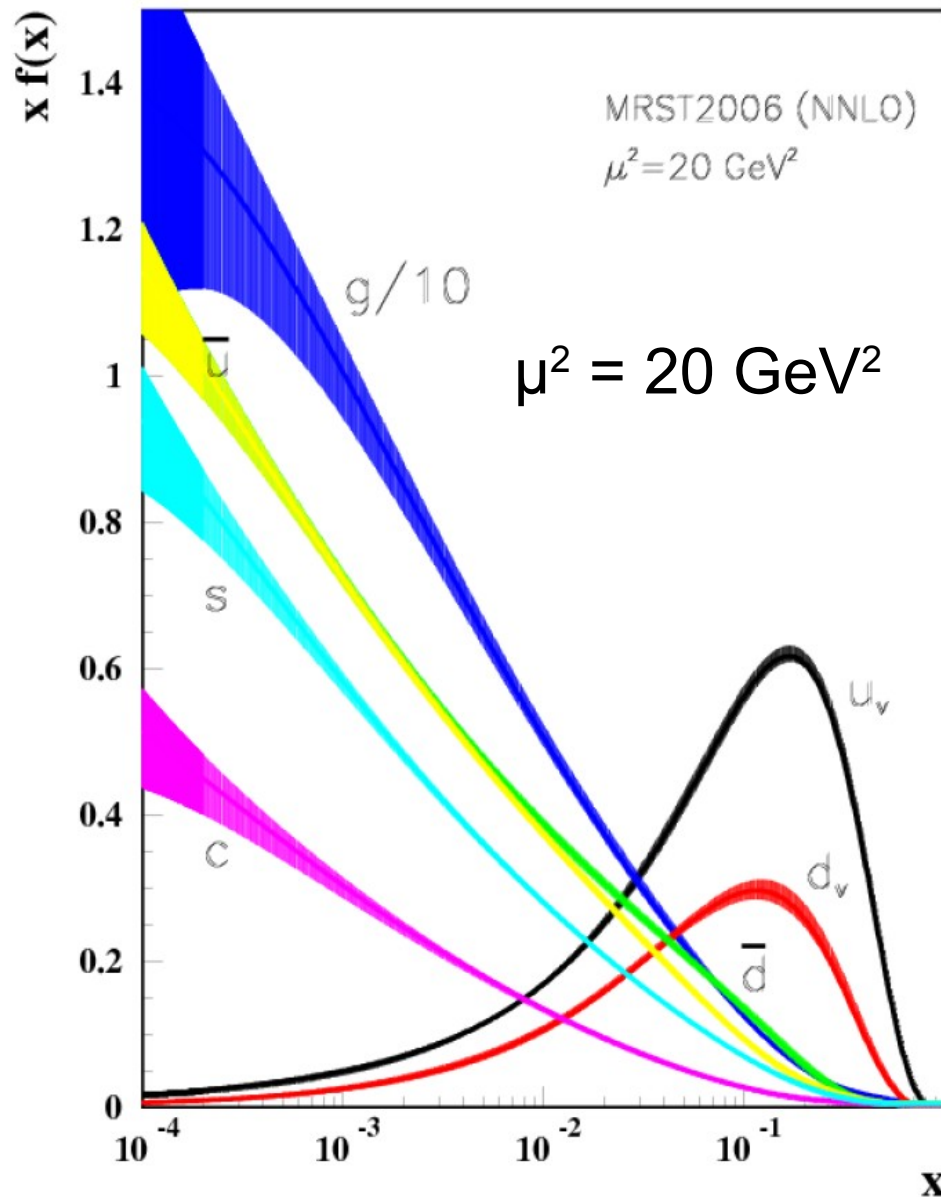
Scaling Violations at low x



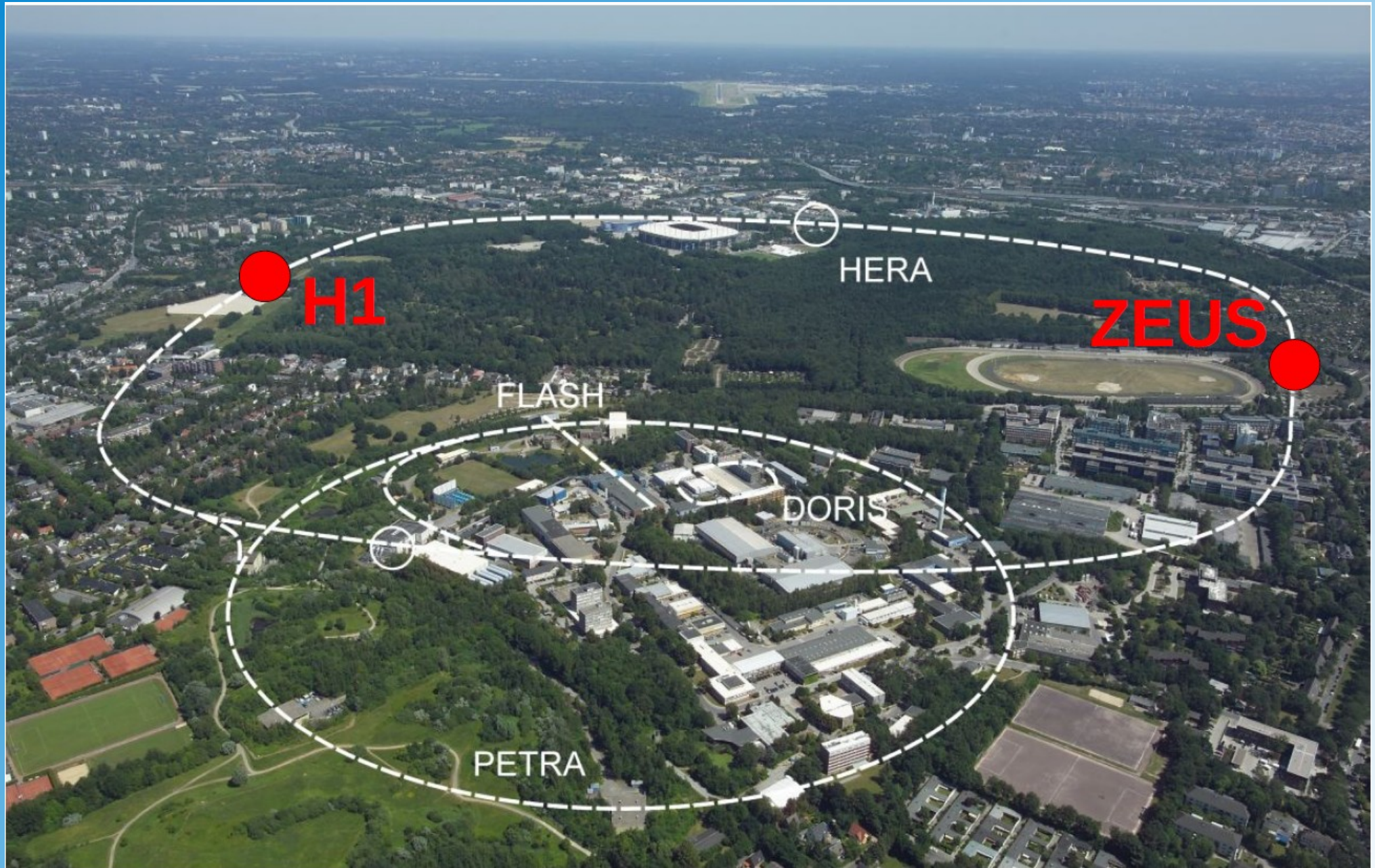
Fits of Parton Densities



Fits of Parton Densities

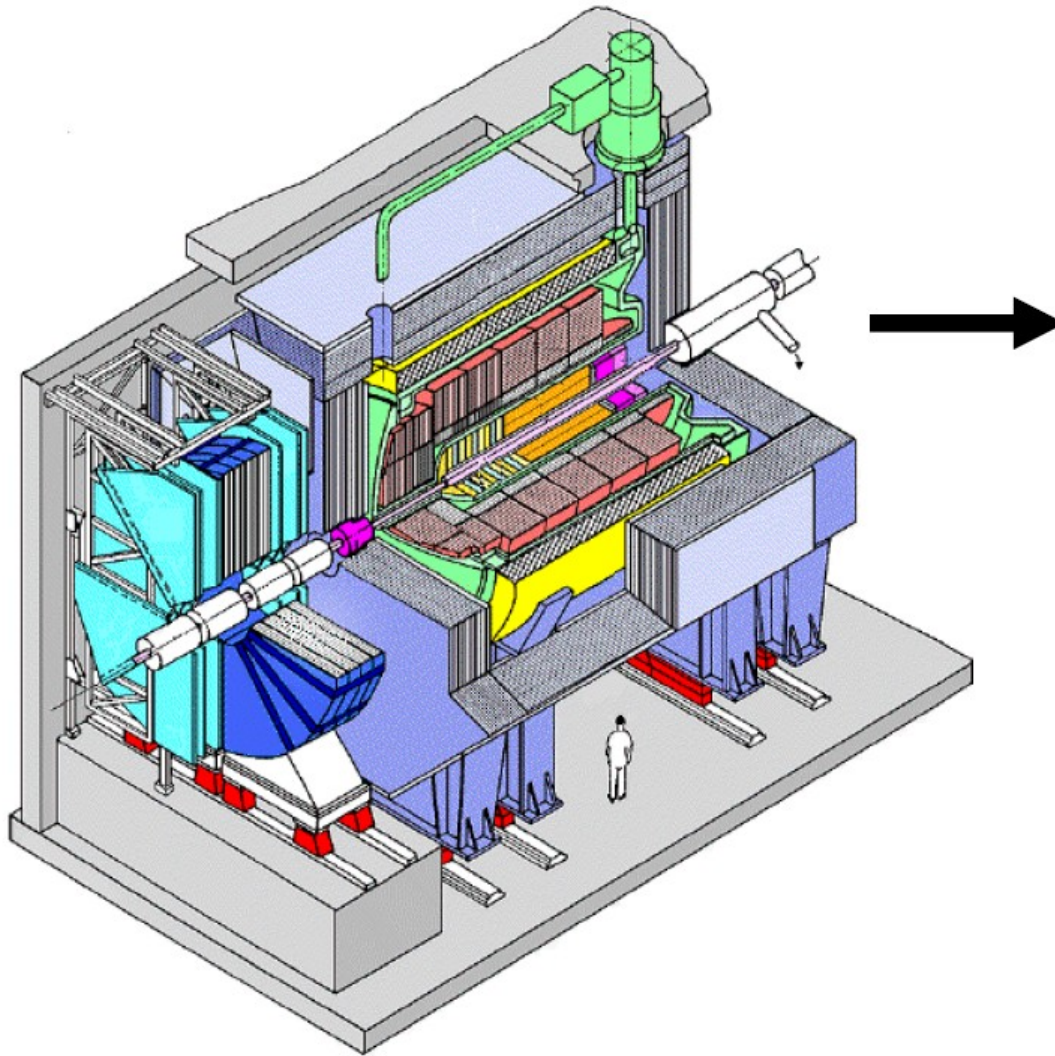


HERA at DESY (1992-2007)

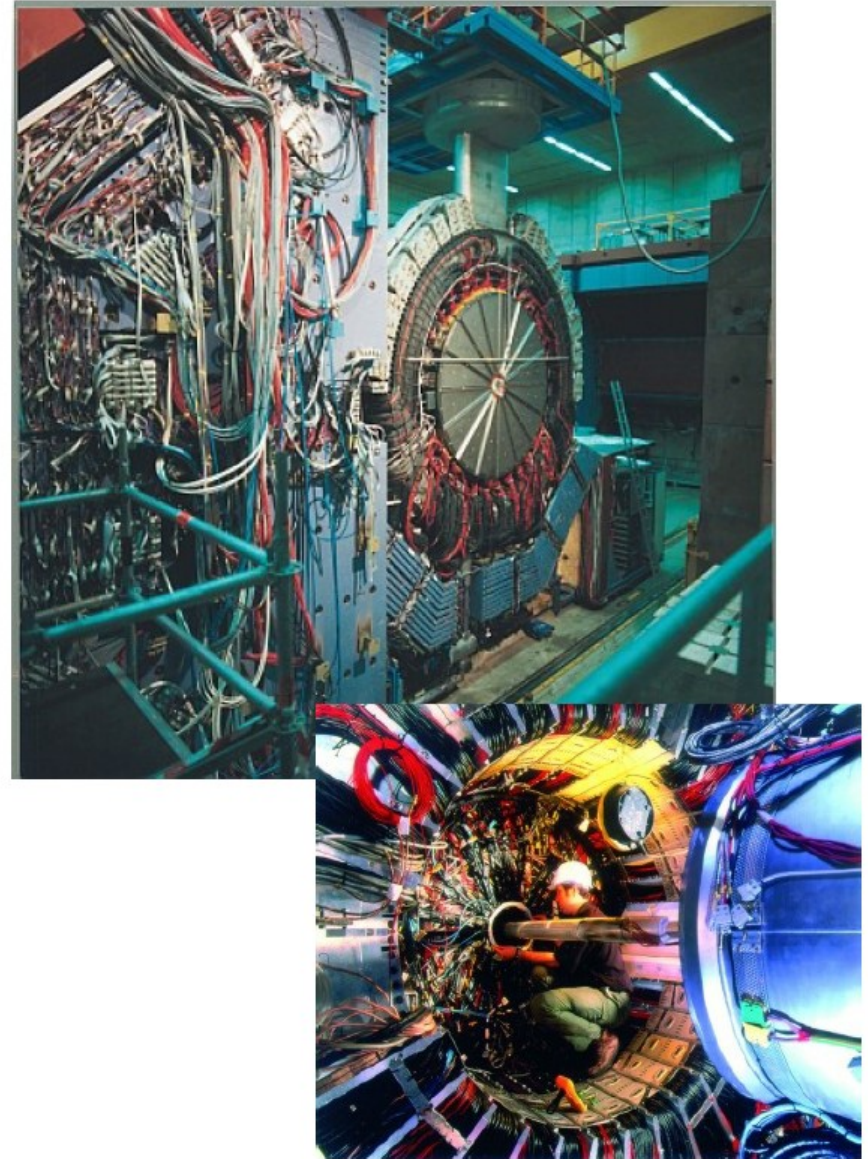


The H1 detector at the e-p storage ring HERA

The idea

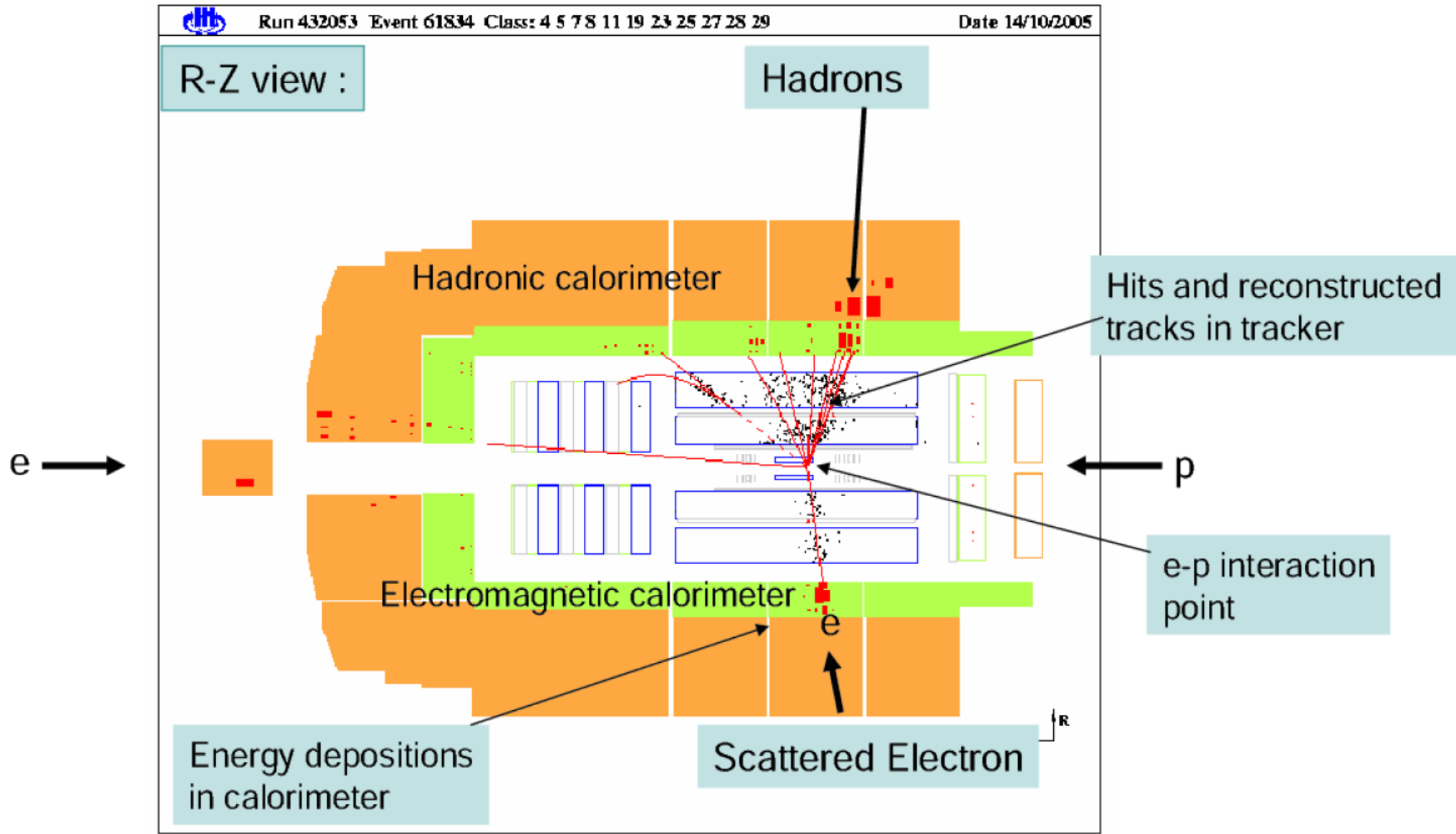


The realisation



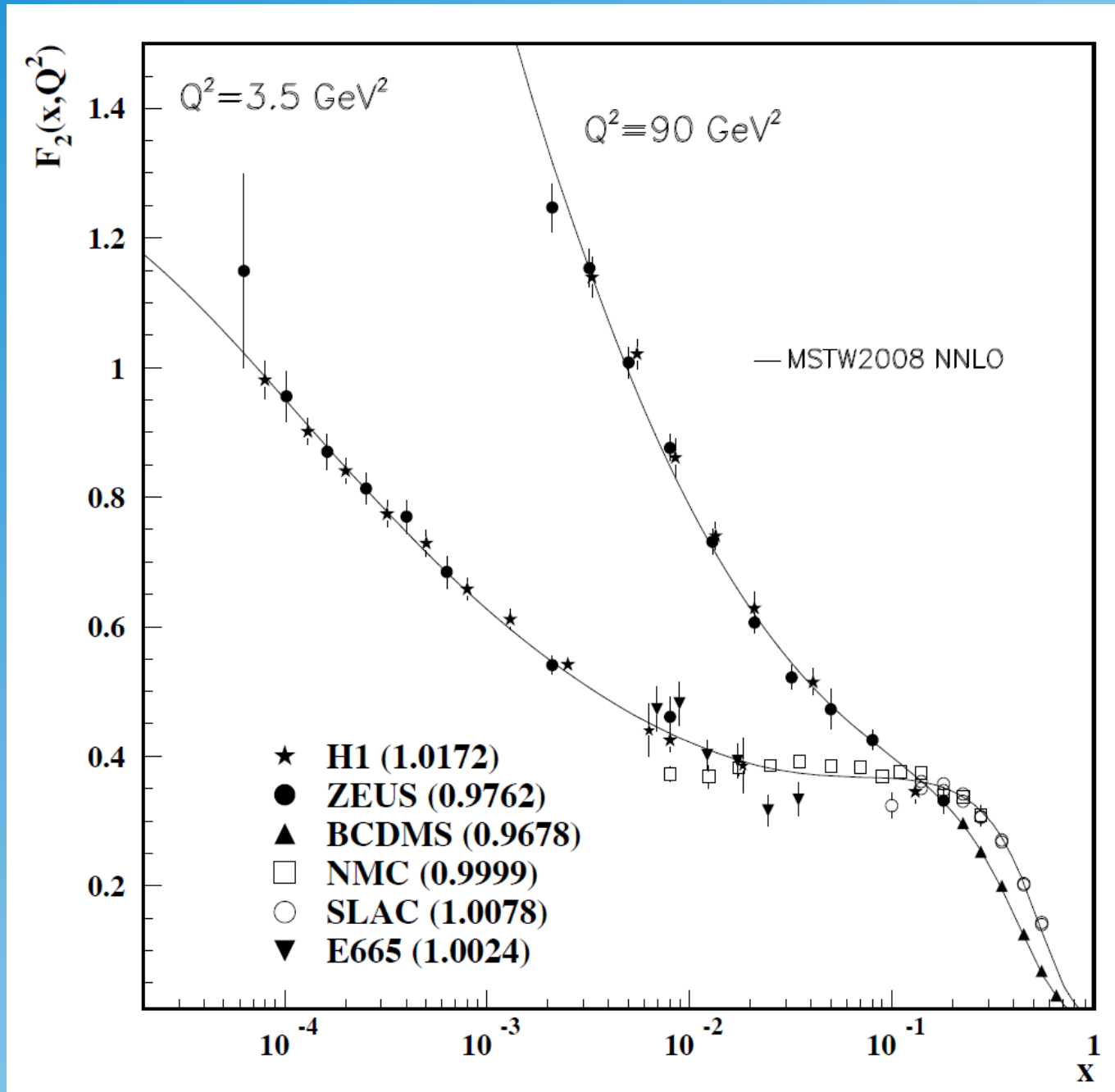
An event display : What do we see ?

from J.Meyer



<http://www-h1.desy.de/pictures/H1-event.tutorial.pdf>

Rise of F_2 at low x and high Q^2



Kinematic Plane

