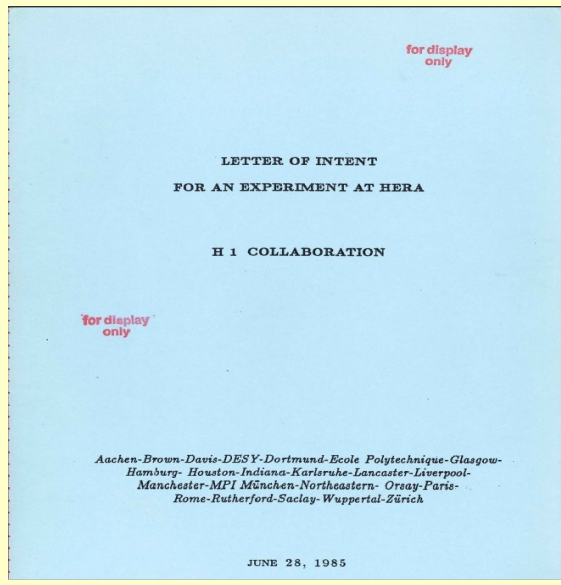




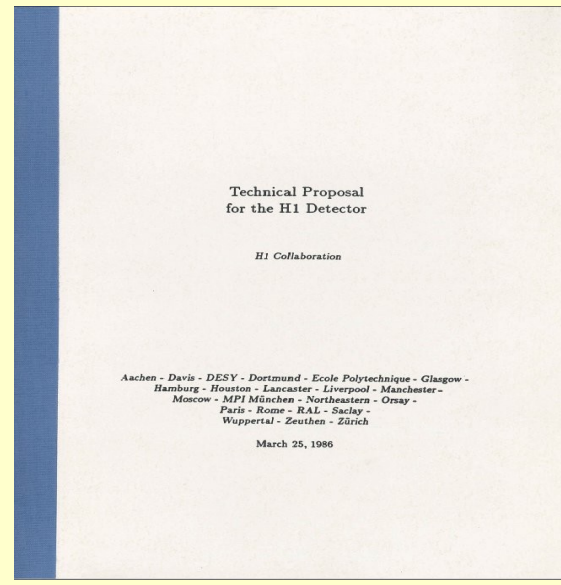
# H1 Collaboration



From 1985 till today: 1196 physicists from 49 institutes and 19 countries



Letter of Intent, 1985



The First Collaboration meeting: DESY 1986

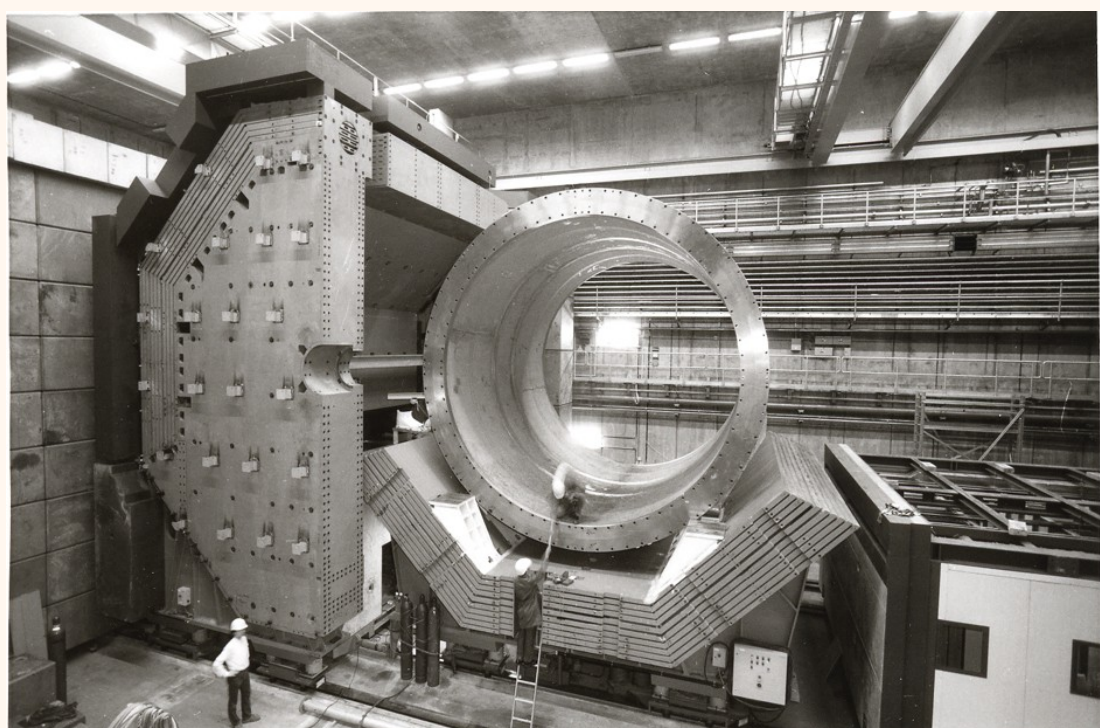
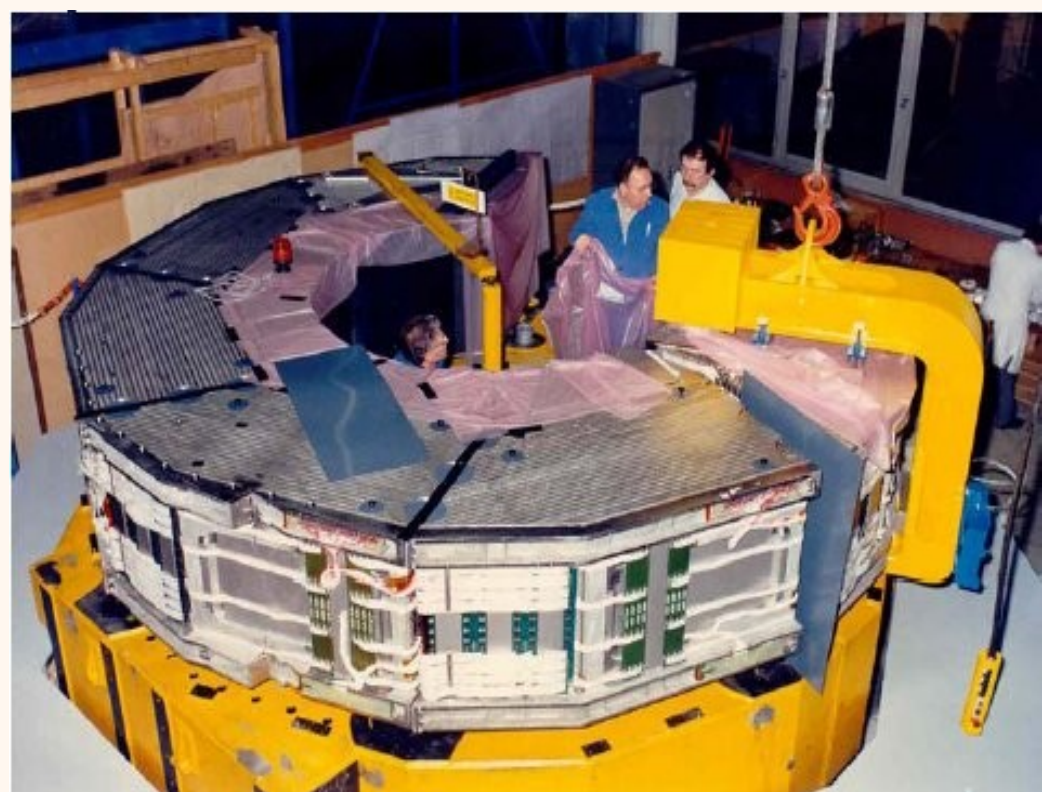


H1 Collaboration in the HERA North Hall, 1993

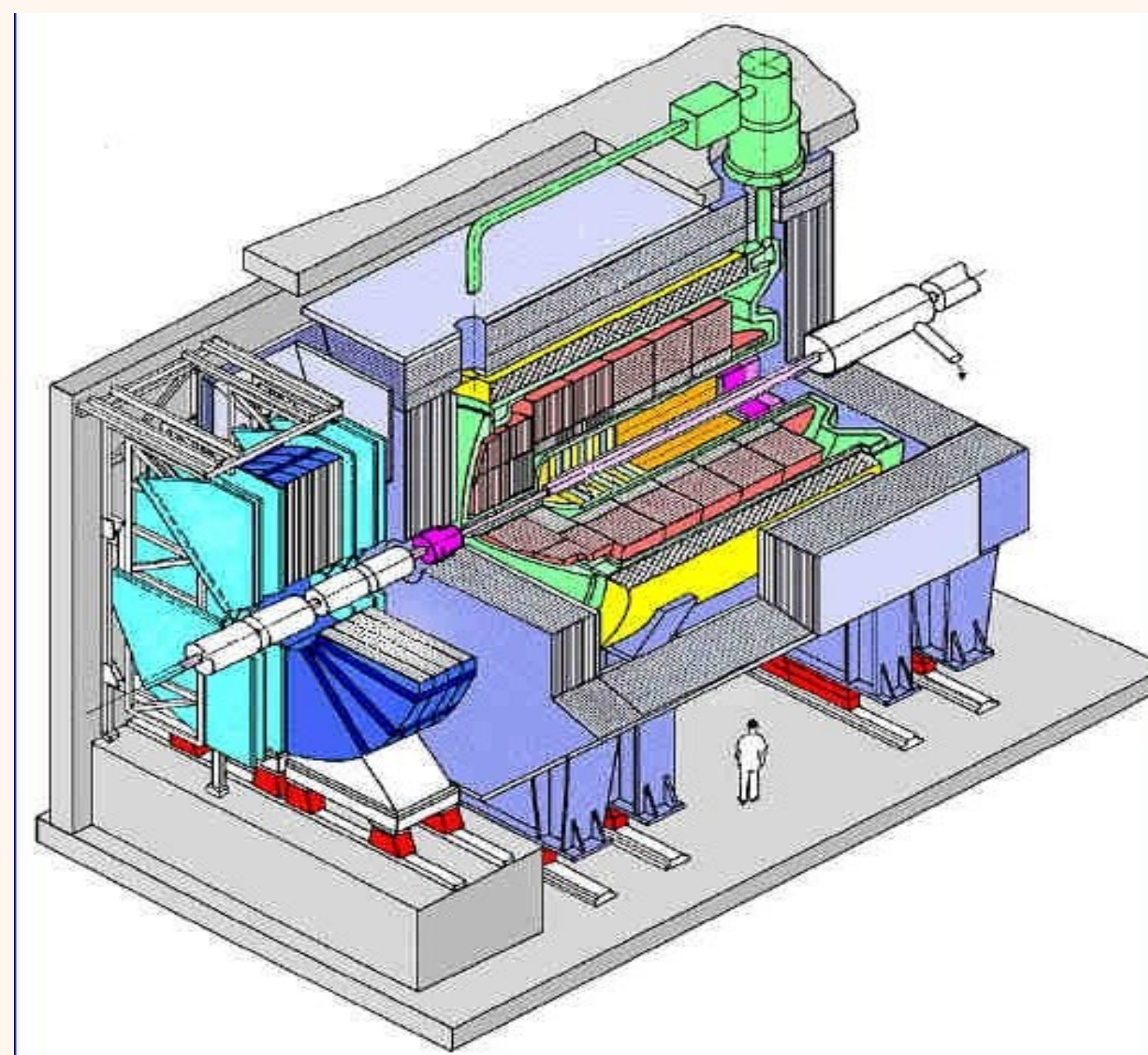


Recent Collaboration meeting: Cracow 2011

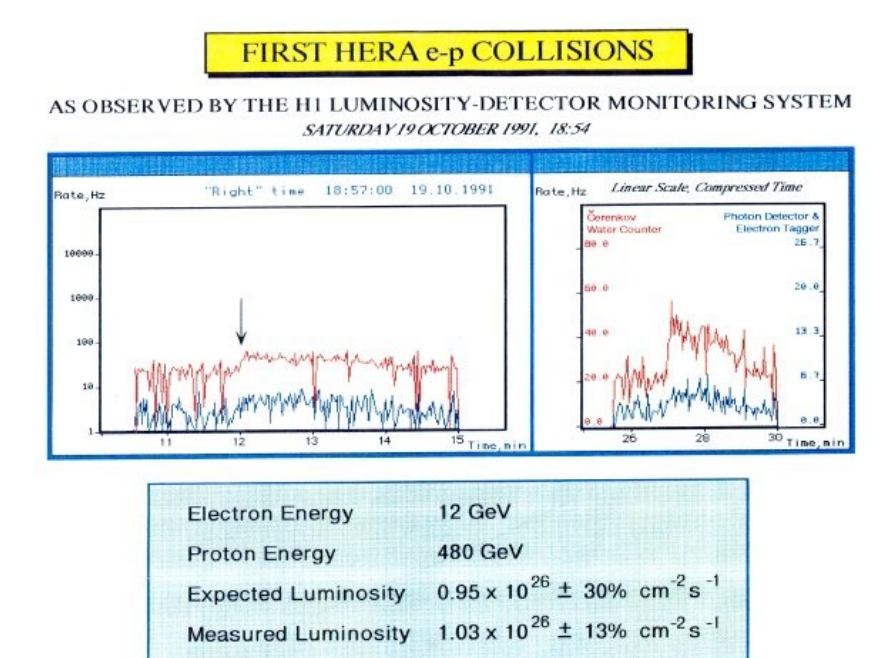
Building the H1 Detector, 1986 – 1992



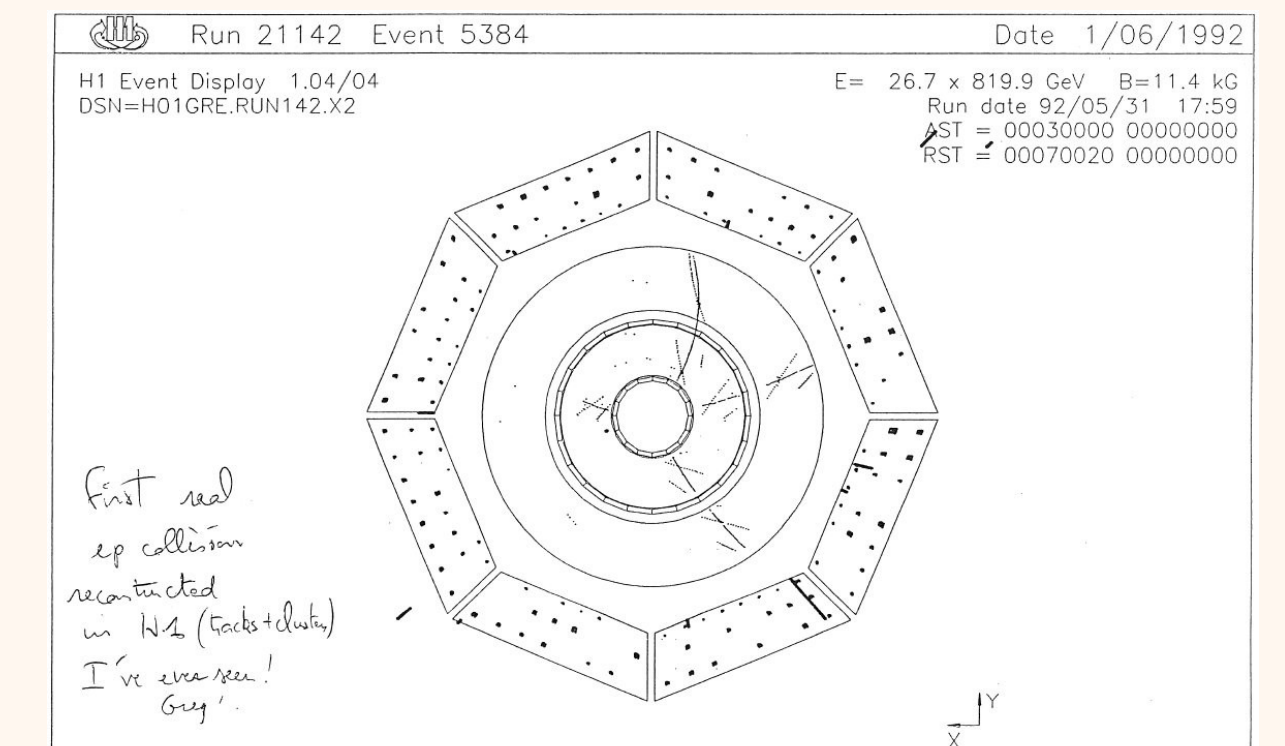
## The H1 Detector



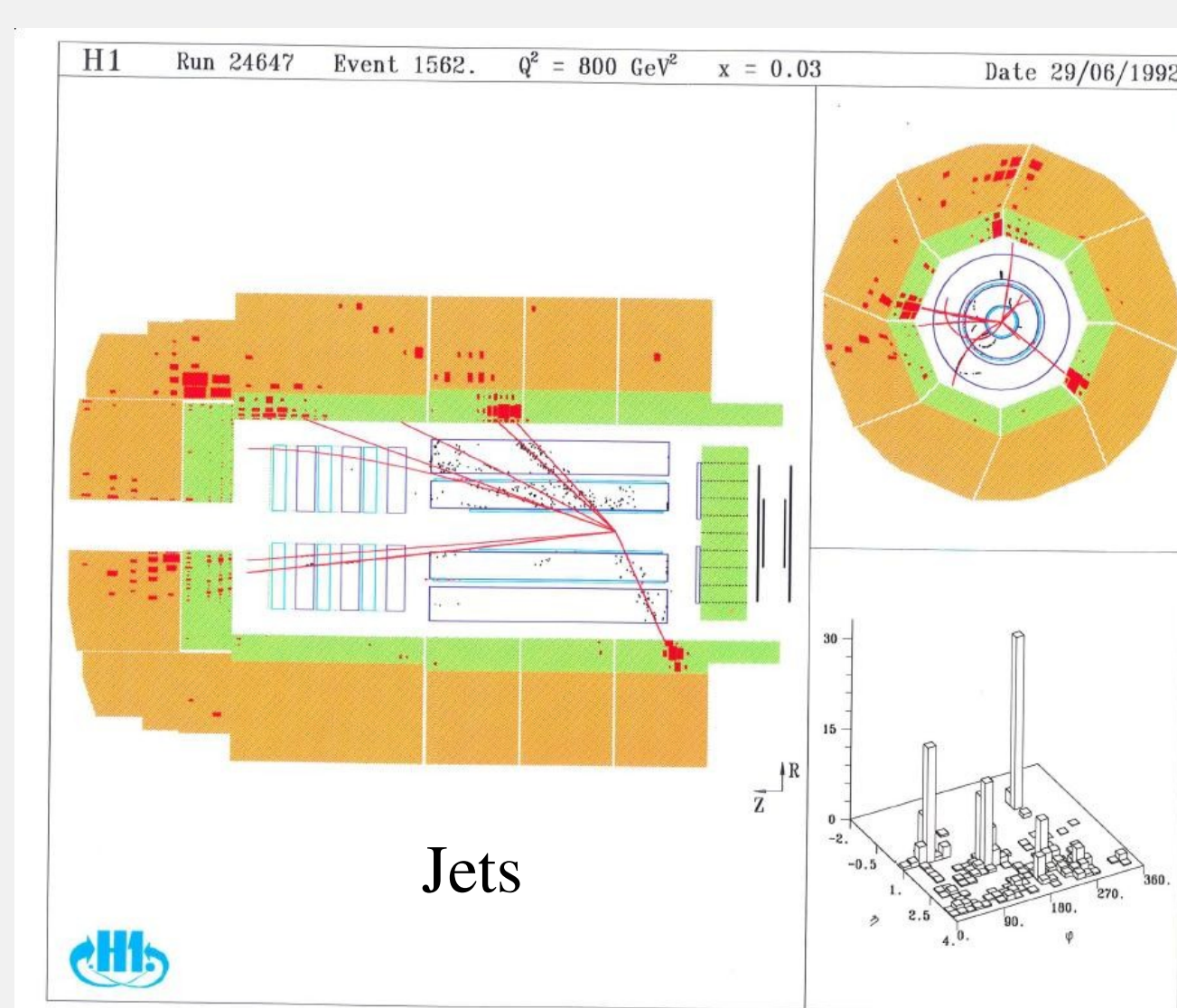
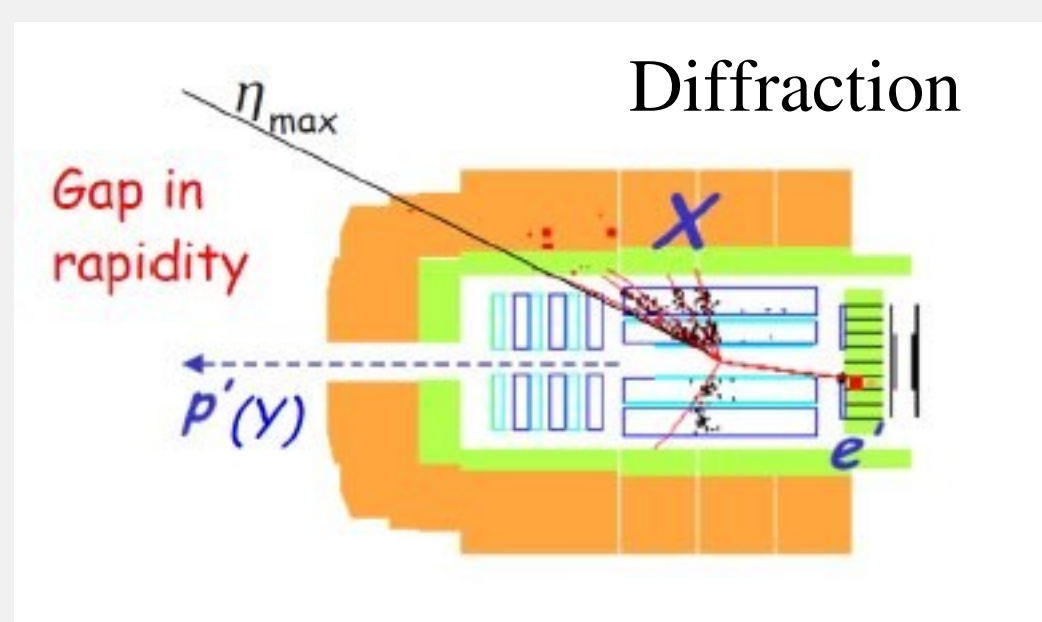
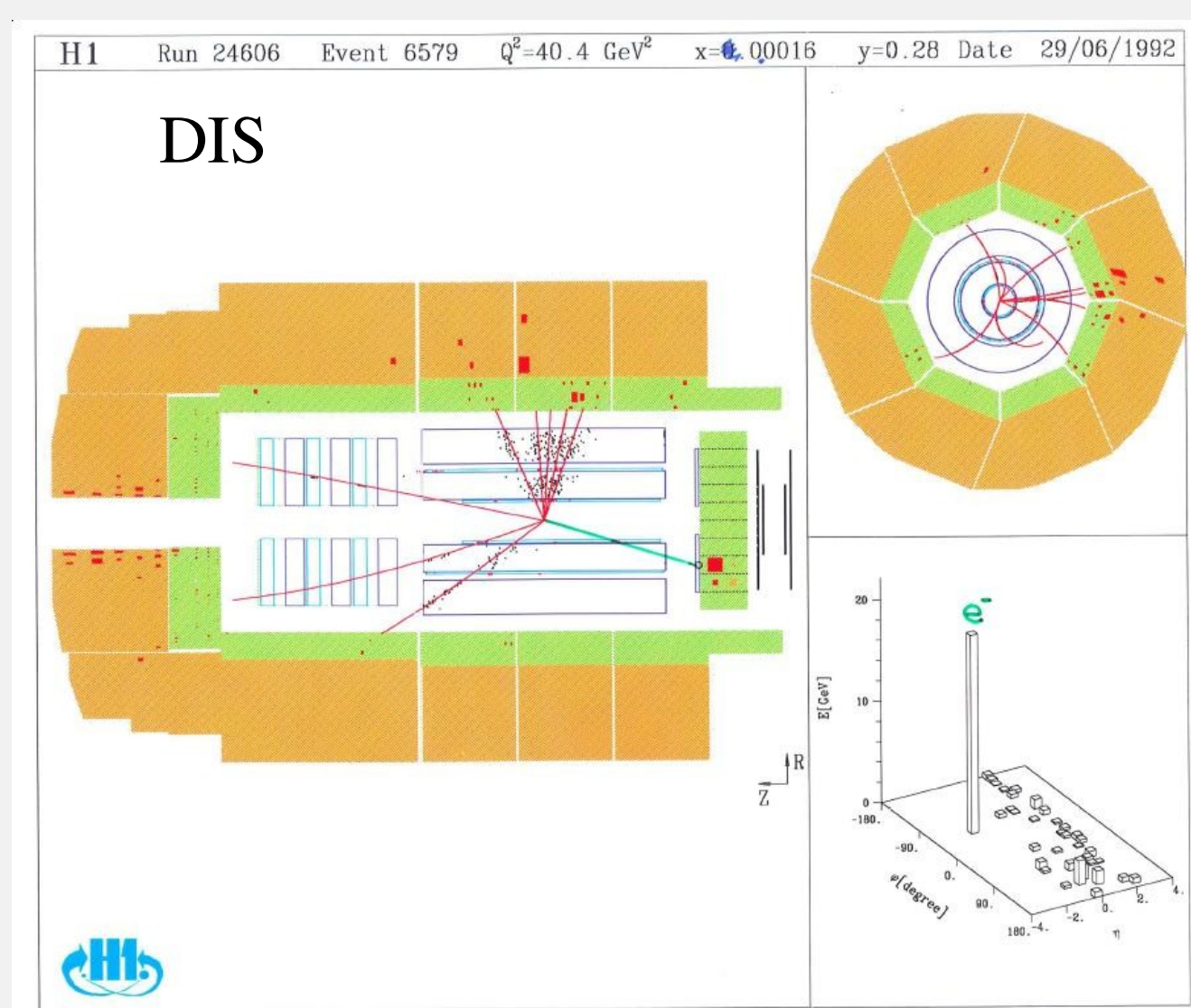
First Lumi, 1991



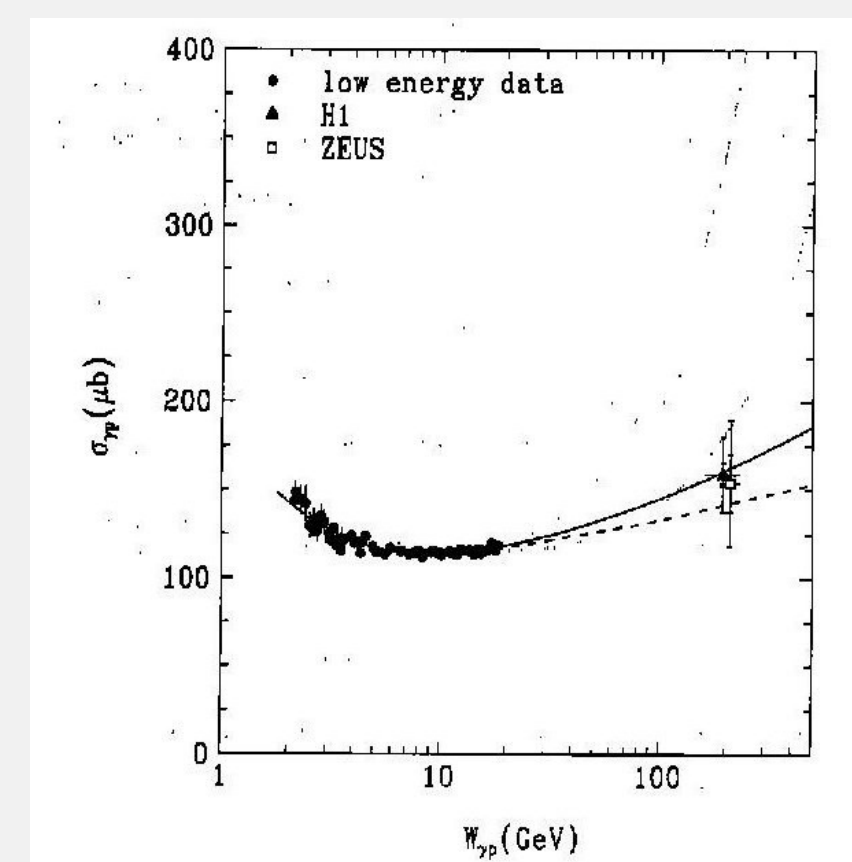
First ep Event, 1992



## Prominent Events and first Results

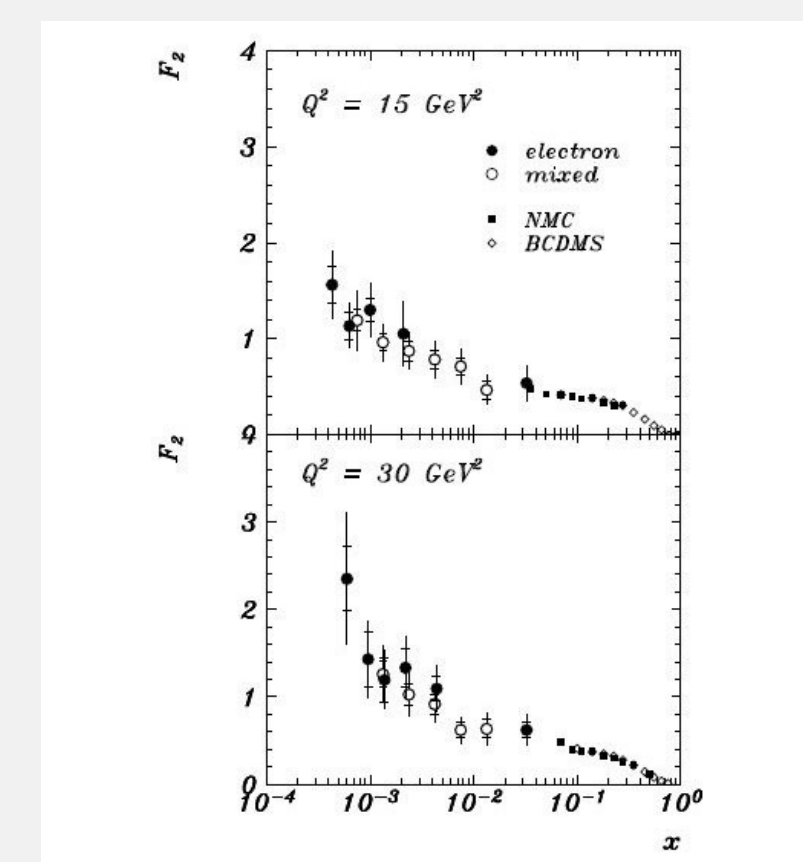


Total Photoproduction Cross Section

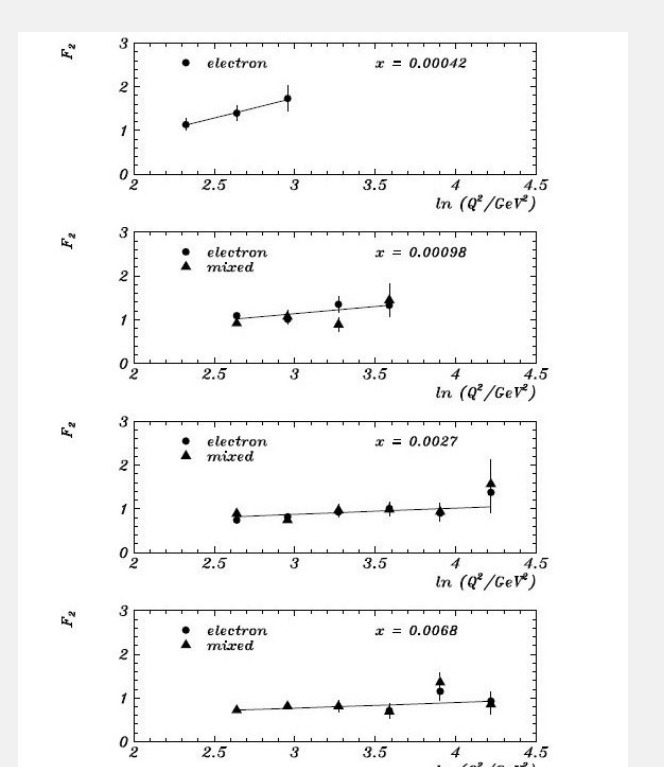


First results on the total photoproduction Cross Section measurement with the H1 detector at HERA. The data were extracted from low Q^2 collisions of 26,7 GeV electrons with 820 GeV protons.

First F\_2



First measurement of F\_2 by H1: the Structure Function indeed rises strongly at low x



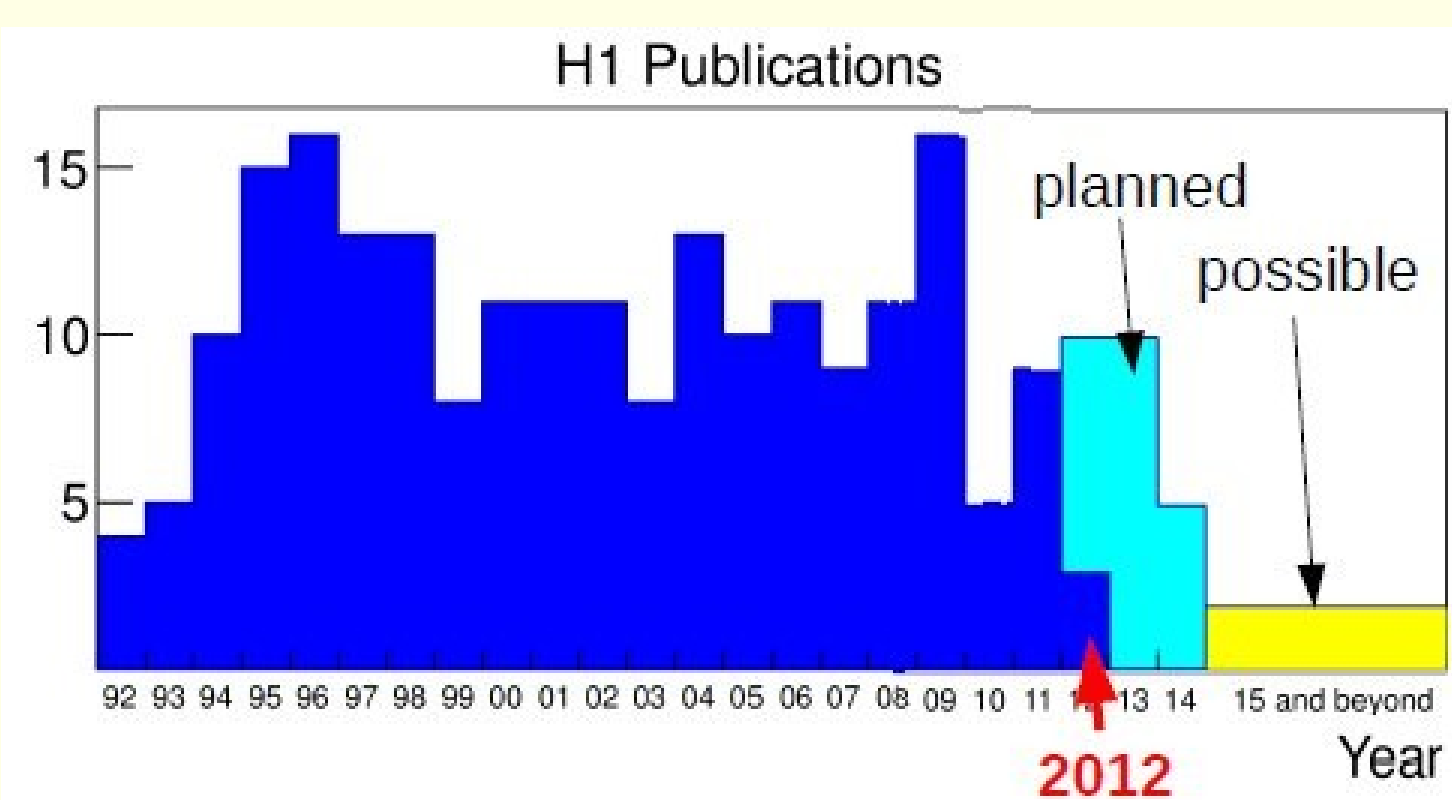
First gluon distribution from scaling violations



## The Achievements of the H1 experiment

The measurements:

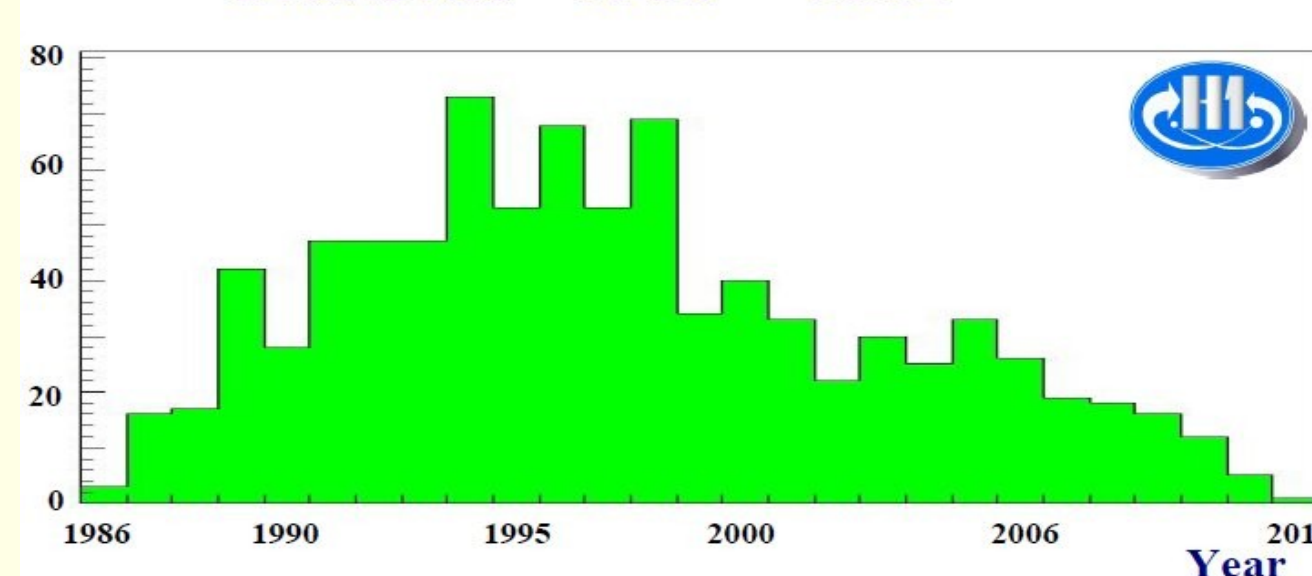
- Have reached a precision beyond all expectations, and are ahead of theory in terms of systematic errors.
- Highlight QCD as the theory of the Strong Interactions, confirm all theory predictions in ever finer detail.
- Explore and map out the structure of the Proton, the Photon and the Pomeron, provide important input to the LHC measurements and future discoveries.



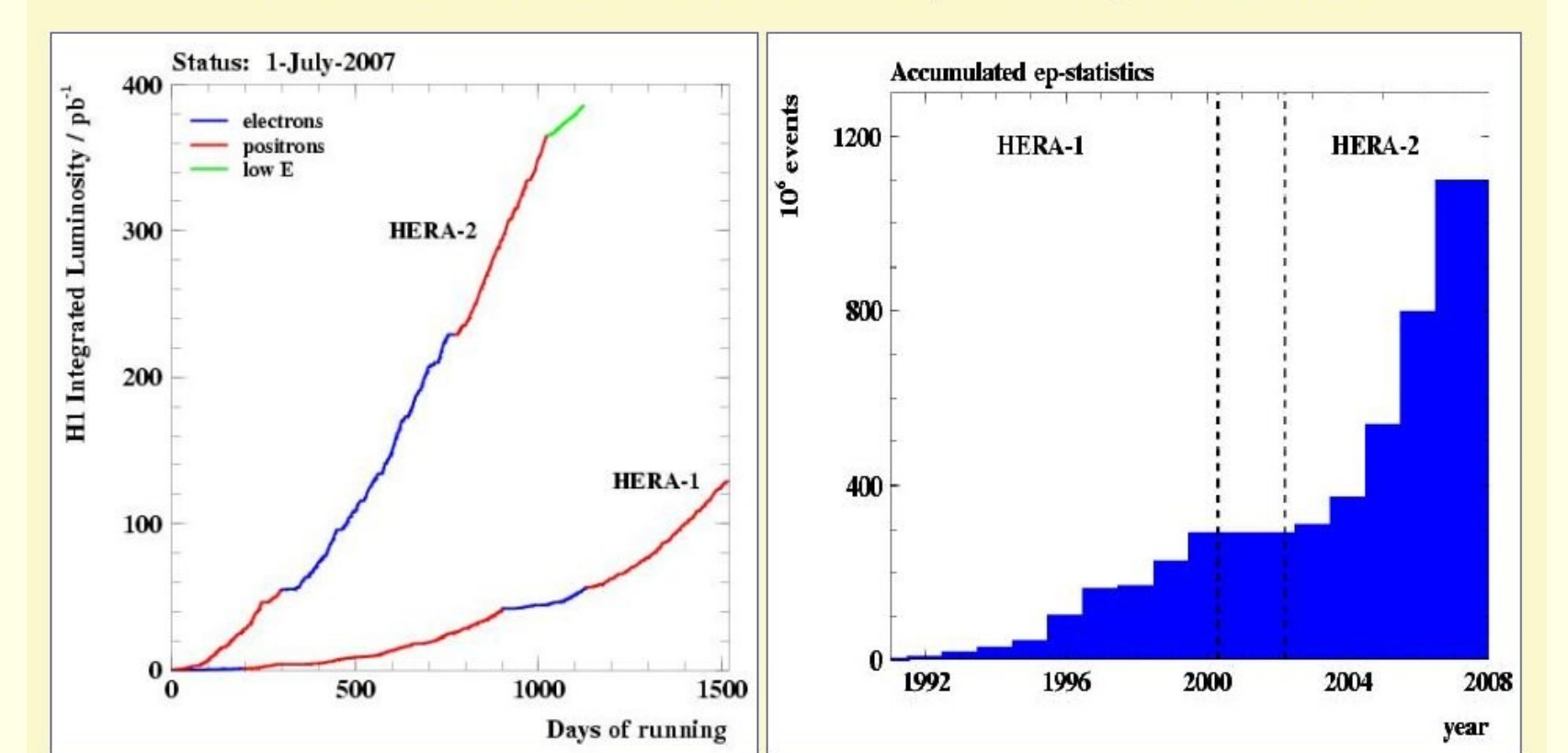
Citation summary results	All papers	Published only
Total number of citable papers analyzed:	215	215
Total number of citations:	14,536	14,534
Average citations per paper:	66.7	67.6
Breakdown of papers by citations:		
Renowned papers (500+)	1	1
Famous papers (250-499)	9	9
Very well-known papers (100-249)	32	32
Well-known papers (50-99)	42	42
Known papers (10-49)	110	110
Less known papers (1-9)	18	17
Unknown papers (0)	6	4

First reknown H1 paper: "Deep inelastic inclusive ep scattering at low x and a determination of alpha\_s"

881 PhD and Diploma Theses Statistics 1986 – 2012



Total accumulated luminosity and ep-statistics



The data are a rich and unique source of information, and continue to provide new physics results