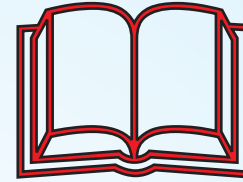
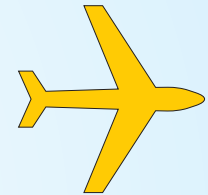


Chair-Report

- **Publications**



- **Preliminaries & Conferences**



- **Physics Highlights**

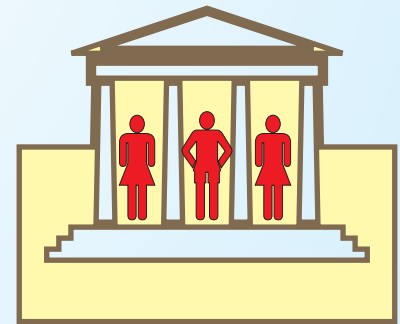
2015



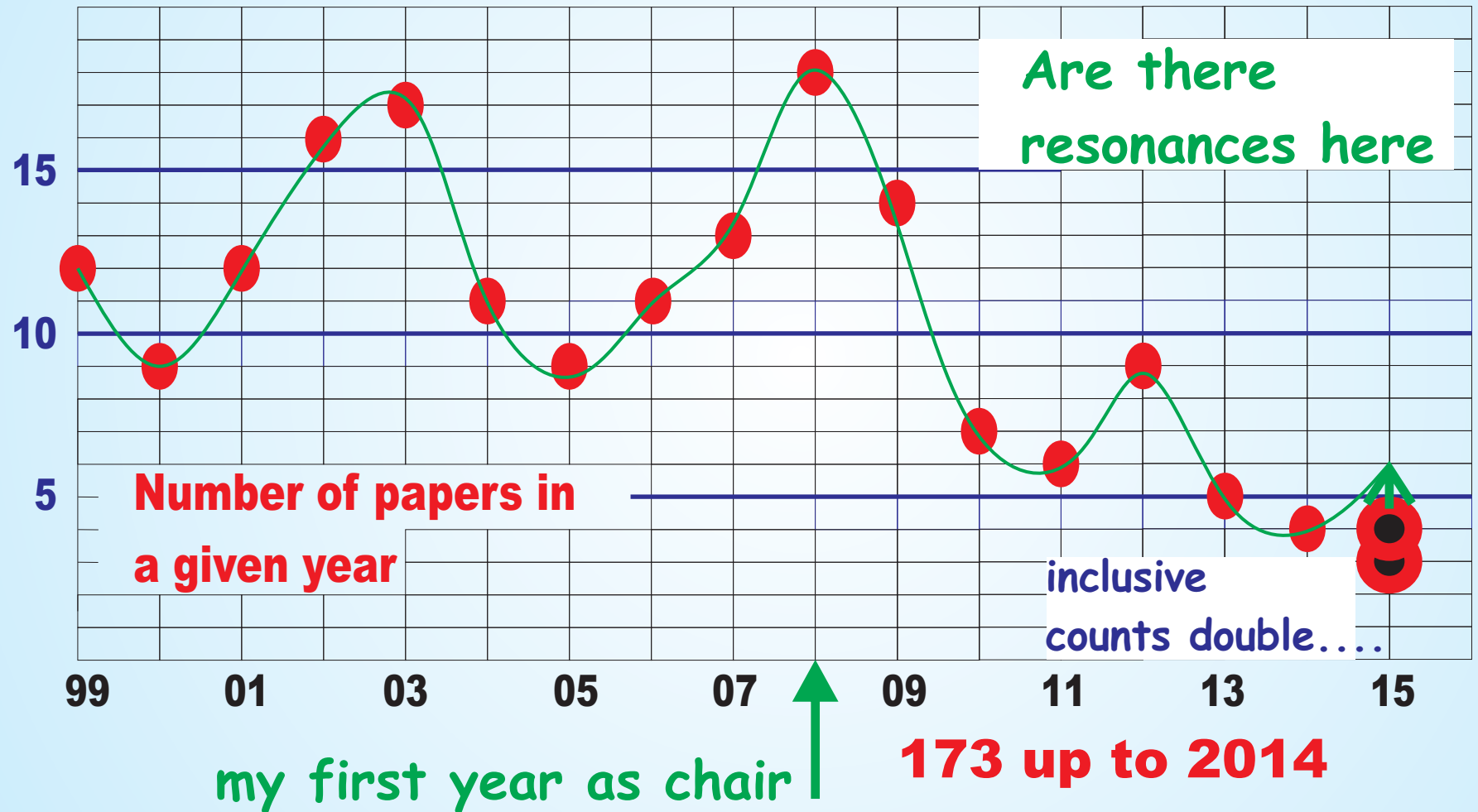
- **General Remarks**

your team 2015/16

Matthew, Katarzyna, Iris



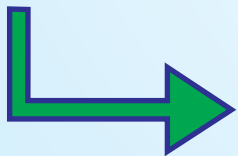
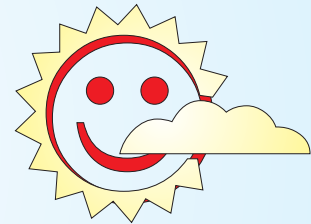
Timeline



Papers-Overview

Current paper situation

- **finished in 2015: 3**
 - **D* combination with H1**
 - **diffractive dijets in DIS**
 - **inclusive combination**
- **HERAPDF2.0**
- **in EB process: 3**
 - **$\Psi(2s)/J/\Psi$ — reading**
 - **R_q — EB0 — group presentation**
 - **Strange PQs — group presentation**



2015 expectation: 4+

Papers-Overview

We still publish!



No more combinations expected



Be informed! Consult your zep pages!



zep

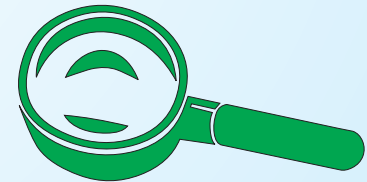
→ **done**

→ **to come soon**



**Find your
spot !**

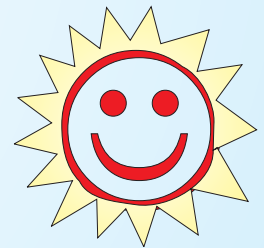
Let's check what comes next.



Papers to come

Usage of Combined Data:

- FL extraction — is under debate
- ♠ EW fits — **analysis is well advanced**
- search for contact interaction
 - quark radius — **group presentation**
 - others — **planned**



Papers to come

Usage of HERAPDF2.0:

- **FL description —**

analysis ongoing





- ♠ **F₂ extraction/saturation —**

analysis is ongoing



Papers to come

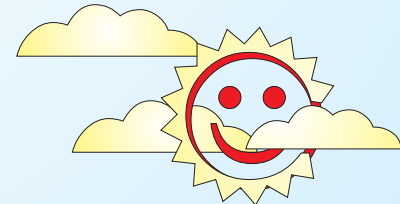
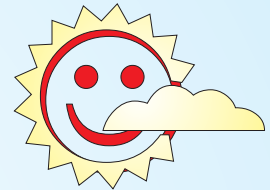
QCD:

- diffractive prompt photons in PHP — 
analysis is well advanced
- more detailed pp studies /also DIS → 2016
- inclusive jets PHP and DIS → 2016
 - trijets — preliminary exist 

Papers to come

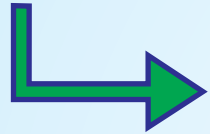
HFL:

- Ψ' to J/Ψ ratio in PHP \rightarrow 2016
- strange pentaquark \rightarrow group presentation
- D^* in PHP \rightarrow old analysis \rightarrow ???
- Φ and others \rightarrow expectation for 2016 ++

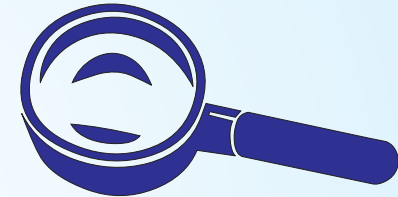


Expectations

We still have papers in the pipeline!



Let's get started



I see \approx 10 analyses for which we can start before this or next year.

We can hopefully celebrate around 5 papers a year.



Conferences

In 2016 we will have **DIS** in Hamburg, **ICHEP** in Chicago and numerous other conferences.

Check the conference pages.



Enjoy your travel, present what we have and keep concentrated on the papers and analyses.

We need speakers, so speak up.

Physics Coordination

One physics group **Olaf Behnke**

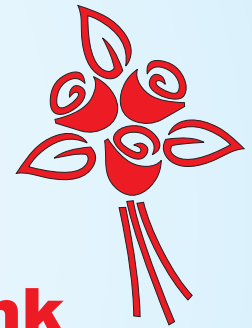
caretakers:

diffraction: Ewald Paul, Grzegorz Grzelak

prompt photons: Peter Bussey

PDFs: Mandy Cooper-Sarkar

Heavy Flavours: Uri Karschon



Dealt with H1: Achim Geiser



**Thank
you all**



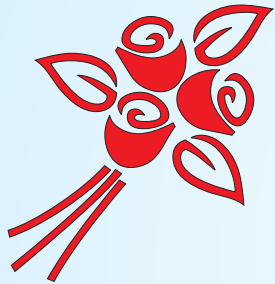
Katarzyna Wichmann, Iris Abt



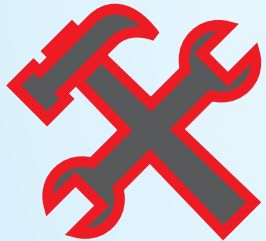
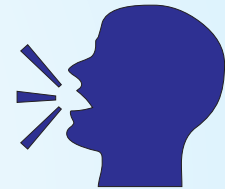
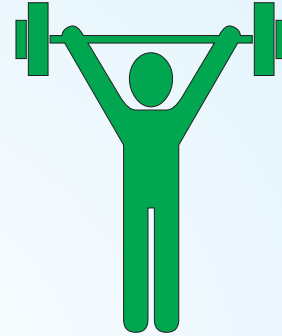
Highlights

Let's first consider where they come from:

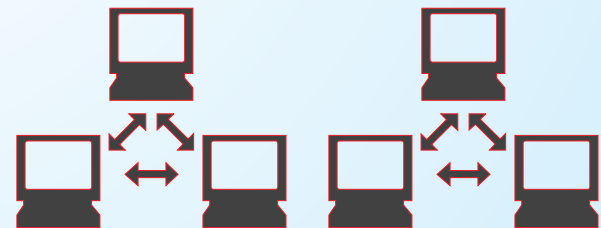
Thanks to all



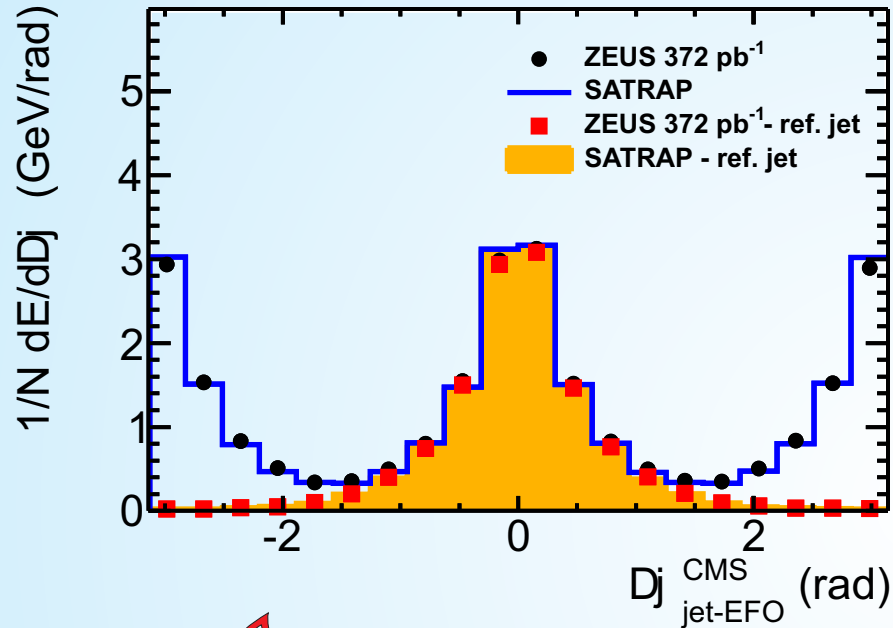
analysers
coordinators
caretakers



**AND all the people who keep
us running in data preservation
mode.**



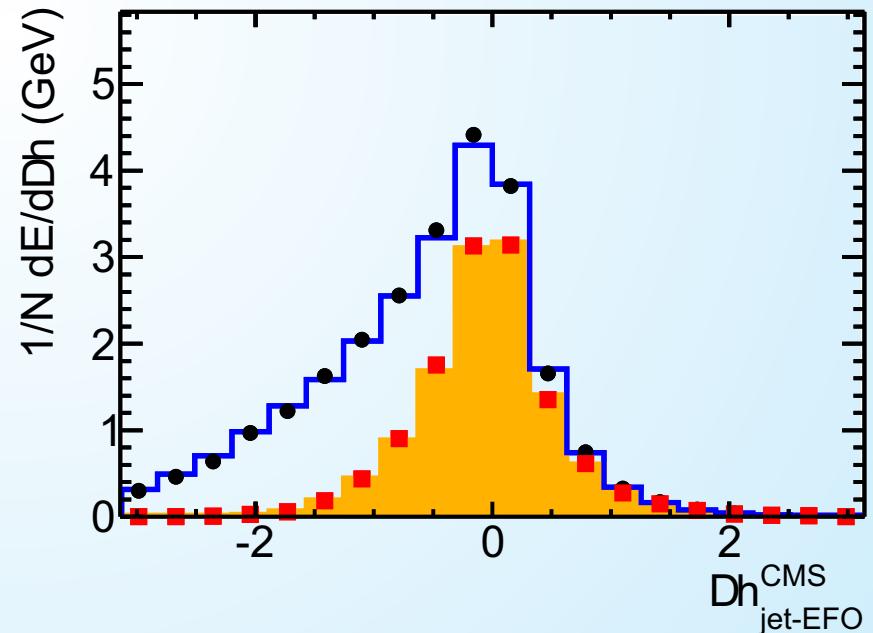
Physics Highlights



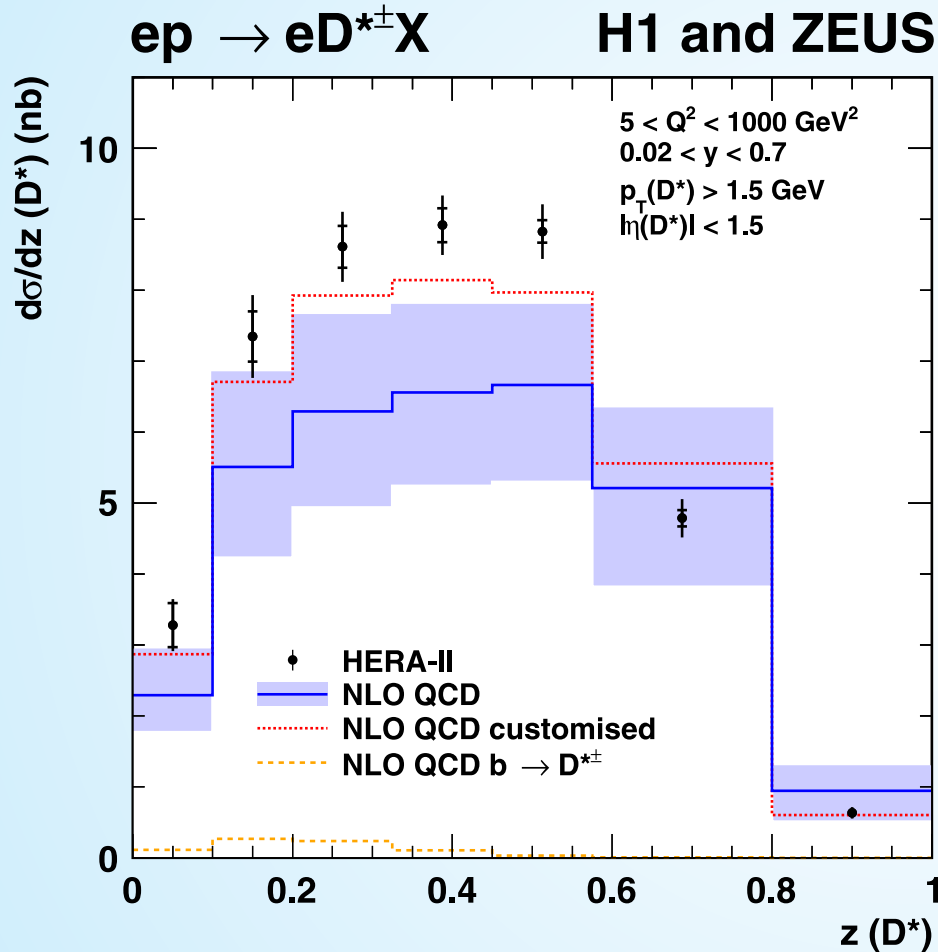
**Diffraction is
not easy with
HERA II data**

**diffractive dijets
in DIS**

**energy flows and
much more**



Physics Highlights



D* combination

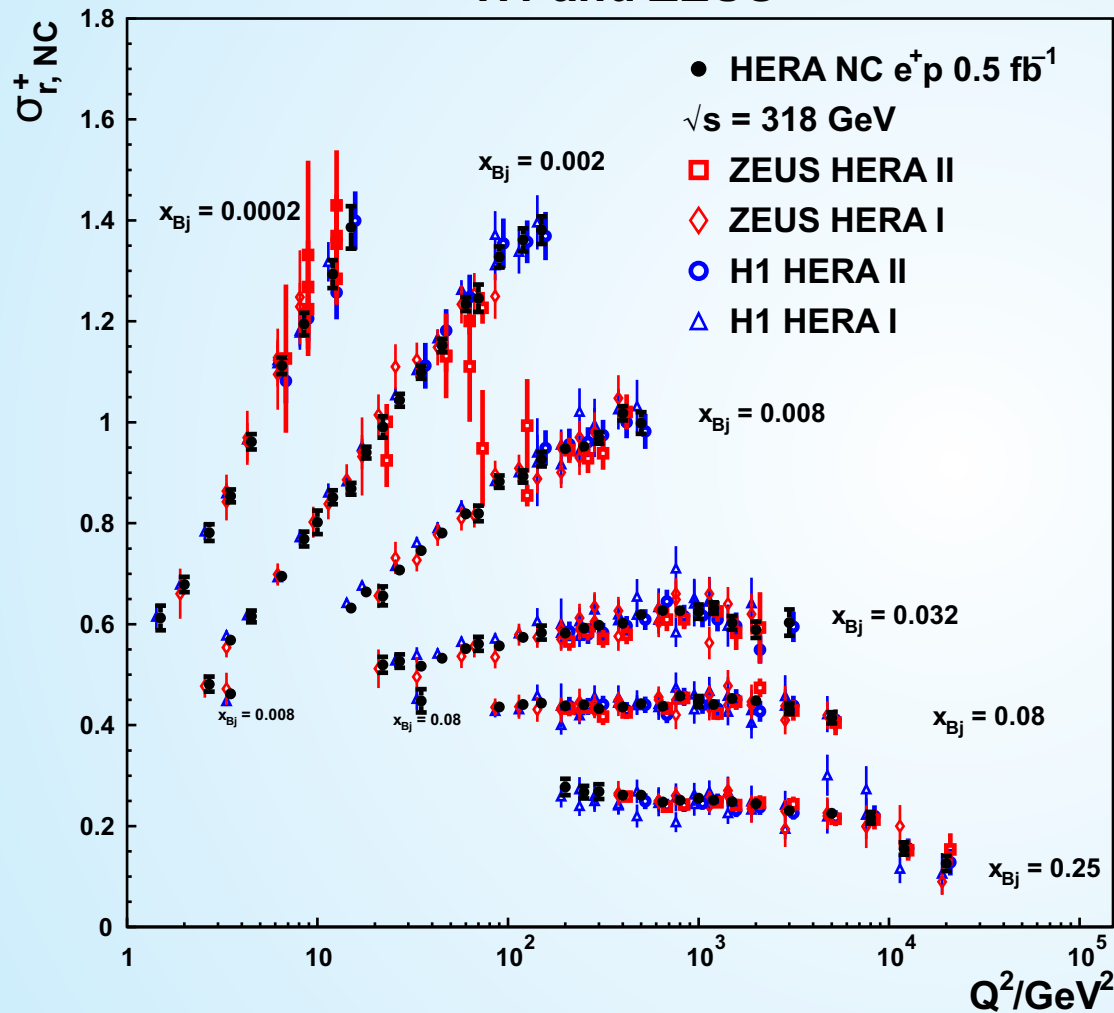
**Differential cross
section in z
and much more.**

**Comparison to
NLO QCD**



Physics Highlights

H1 and ZEUS

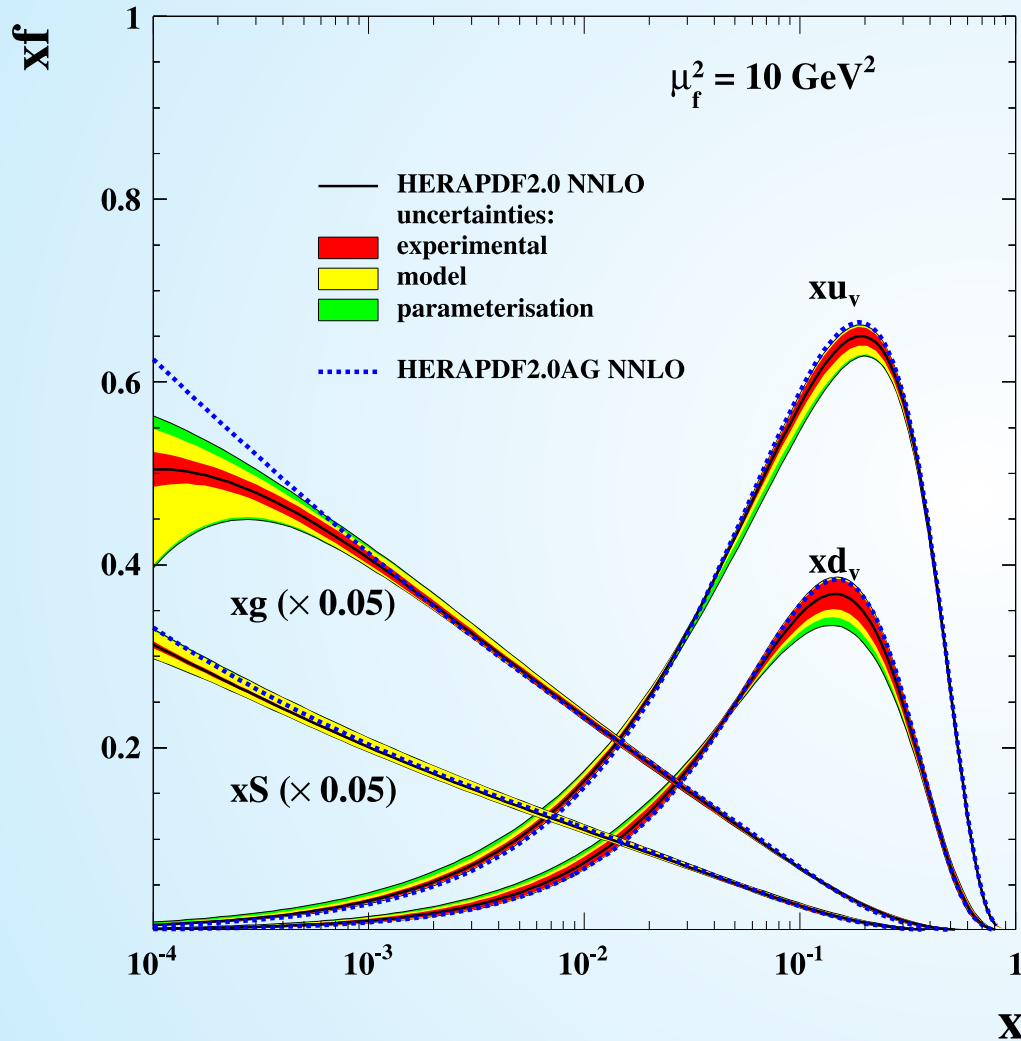


**Combination of
inclusive data**

**A monumental
effort with
32 data sets,
142 syst uncs,
and pro-
cedural
specialties**



Physics Highlights



HERAPDF2.0

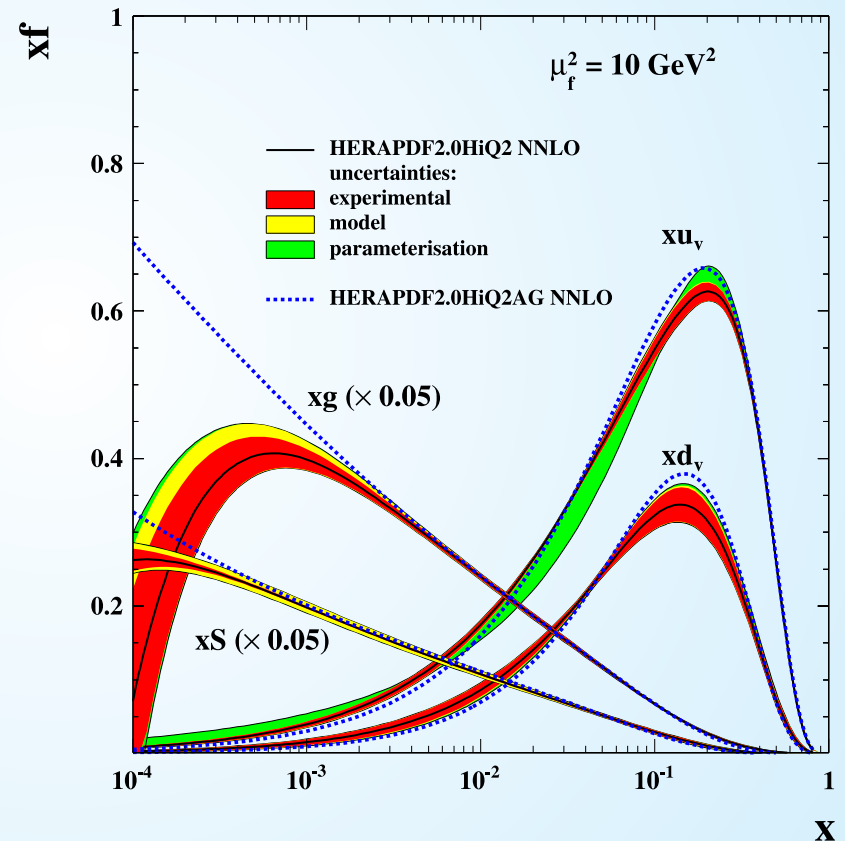
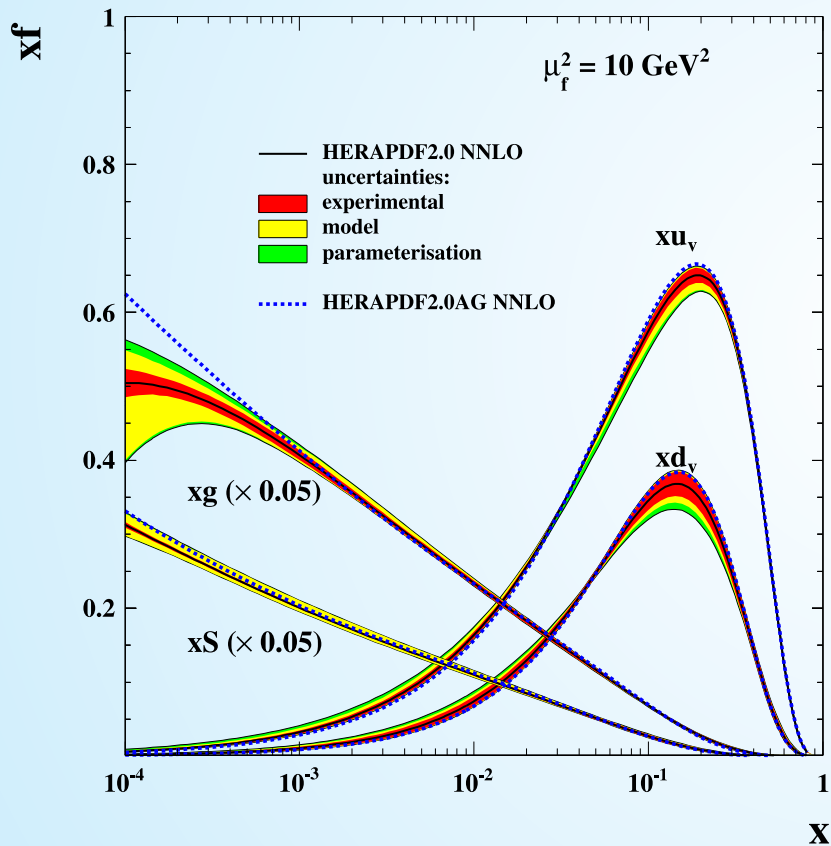
It comes in many variations



162 pages have been approved by the EPJC referees.

Physics Highlights

HERAPDF2.0 vs. HERAPDF2.0HiQ2



Outlook

**There are still good analyses
to be done**



and papers to be written.

**Our goal is around
5 papers a year!**



**Management, i.e.
Matthew, Katarzyna, Iris,
will do whatever they can.**

