



**UCL**

# ZEUS news

Matthew Wing (UCL/DESY)

- ZEUS papers / analyses
- Miscellaneous

# ZEUS papers / analyses

- “Further studies of isolated photon production in deep inelastic scattering at HERA”, JHEP **1801** (2018) 032.
- H1+ZEUS: “Combination and QCD analysis of beauty and charm production cross section measurements in deep inelastic  $ep$  scattering at HERA”, submitted to Directorate.
- On our radar:
  - Event shapes.
  - **$\psi' / J/\psi$  in photoproduction.\***
  - **Collective effects.\***
  - Jets in DIS.
  - **Charm in CC.\***
  - H1+ZEUS, new QCD fits with new jets and heavy flavours data.
  - H1+ZEUS, contact interactions fits.
  - H1+ZEUS,  $W$  mass measurement ?
  - Scaled momentum distributions.
  - **Fits to high- $x$  data.\***
  - $b$  cross sections using double tag.\*
  - Lorentz invariance in DIS data.
  - **Others ?**

# Miscellaneous

- H1+ZEUS meeting this afternoon at 2pm.
- HERA will have a presentation at the DESY PRC meeting, Tuesday 8 May, given by Sasha Zenaiev.
- We have a new author list for 2018 which will be used in the coming H1+ZEUS paper on b/c in DIS and rest of the year. Includes Heidelberg/GSI and Temple.
- Conferences:
  - Have submitted a number of abstracts (7 ZEUS, 2 H1+ZEUS) to ICHEP 2018\* and await outcome.
  - Have sent a mail asking if people would like to go to particular conferences.
  - Not really asking for talks at conferences and then looking for speakers.