

# Welcome to the diffractive session !

- **Convenors:**  
M. Diehl, V. Khoze, P. Newman, M. Arneodo
- **Contact persons:**  
A. Bruni (Zeus), B. Cox (Atlas), R. Orava (Totem)

**Since last year's workshop:**

- **From HERA: new F2D measurements (new dPDFs)  
new leading neutron measurements  
new measurements of semi-inclusive final states  
(validity of hard diffractive factorisation ?)**
- **From Tevatron: exclusive diffractive dijets  
exclusive 2-gamma events**
- **From LHC: more studies of potential for diffraction of Atlas, CMS,  
Totem and Fp420**
- **Several theoretical developments**

**See the next talks !**

**Ample discussion time – please participate**

# Wednesday









## Diffraction (09:00->14:00)

Location: [40-S2-B01](#)

- 09:00 **Welcome and Introduction (10')** Convenors
- 09:10 **Diffractive DIS Cross Sections and Parton Densities from H1 (30')** Frank-Peter Schilling (*CERN*)
- 09:50 **Theoretical uncertainties in diffractive parton densities (20')** Graeme Watt (*UCL*)
- 10:20 **Leading Neutron Energy and pT Distributions from ZEUS (20')** Bill Schmidke (*MPI Munich*)  
( [Slides](#)  )
- 10:50 **Information from Leading Neutrons at HERA (15')** Alan Martin (*Durham*)  
( [Slides](#)  )
- 11:10 Coffee
- 11:40 **Towards a Diffractive Physics Programme at CMS with Totem and FP420 (30')** Monika Grothe (*Wisconsin*)
- 12:20 **Theory of Forward Elastic Scattering at the LHC (10')** Vojtech Kundrať (*Prague*)
- 12:35 **Elastic Scattering at the Totem Experiment (10')** Jan Kaspar (*Prague*)
- 12:50 Lunch

## Diffraction / Final States Joint Session (14:00->16:35)

Location: [40-SS-C01](#)

- 14:00 **Diffractive Jets, Charm and Factorisation Tests from H1 (20')** Roger Wolf (*Uni Heidelberg*)  
( [Slides](#)  )
- 14:30 **Diffractive Final States from ZEUS (15')** Alessio Bonato (*Hamburg*)  
( [Slides](#)  )
- 14:55 **Factorisation Breaking in Diffractive Dijet Production (20')** Michael Klasen (*Grenoble*)  
( [Slides](#)   )
- 15:25 **Photoproduction of Events with Rapidity Gaps between Jets at ZEUS (15')** Pat Ryan (*Wisconsin*)  
( [Slides](#)  )
- 15:50 **Studies for Very Forward Energy Measurements at the LHC (10')** Vladimir Andreev (*LPI Moscow*)  
( [Slides](#)  )
- 16:05 Coffee

# Wednesday (cont'd)

**Diffraction** (16:35->18:30)


**Location:** [40-5-A01 \(VRVS MARS\)](#)

- 16:35 **Central Exclusive Production of Long Lived Gluinos** (20') (  [Slides](#)  ) Tim Coughlin (*Manchester*)
- 17:05 **Odderon Searches in Exclusive Vector Meson Production in pp Collisions** (10') Leszek Motyka (*Cracow*)
- 17:20 **New Results on Diffraction from CDF** (30') (via VRVS) Koji Terashi (*Rockefeller*)
- 18:00 **Diffraction and the LHeC Project** (10') (10' talk, 15' discussion) Paul Newman (*Birmingham*)

# Thursday

**Diffraction** (09:00->13:30)

**Location:** [40-S2-B01](#)

- 09:00 **Hard Rescattering Corrections to Exclusive Higgs Production at the LHC** (20') Leszek Motyka (*Cracow*)
- 09:30 **Issues Concerning Diffractive Higgs Production** (20') (  [Slides](#)  ) Alan Martin (*Durham*)
- 10:10 **Status and Plans for FP420** (20') Brian Cox (*Manchester*)
- 10:40 **Simulations of Diffractive Higgs Production** (20') Marek Tasevsky (*Prague*)
- 11:10 Coffee
- 11:40 **ExHuME Developments and SD Overlap to Exclusive Higgs** (20') Andrew Pilkington (*Manchester*)
- 12:10 **Luminosity Determination and Forward Physics with ATLAS** (20') Hasko Stenzel (*Giessen*)