

Theory Experiment Interplay at the LHC Workshop

8-9 April 2010



Welcome!

- Royal Holloway, University of London (RHUL)
- Centre for Particle Physics at RHUL
- The NExT Institute
- Sponsors: IPPP Durham and NExT Institute
- Theory Experiment Interplay at the LHC Workshop
- Practical Info

Royal Holloway, University of London

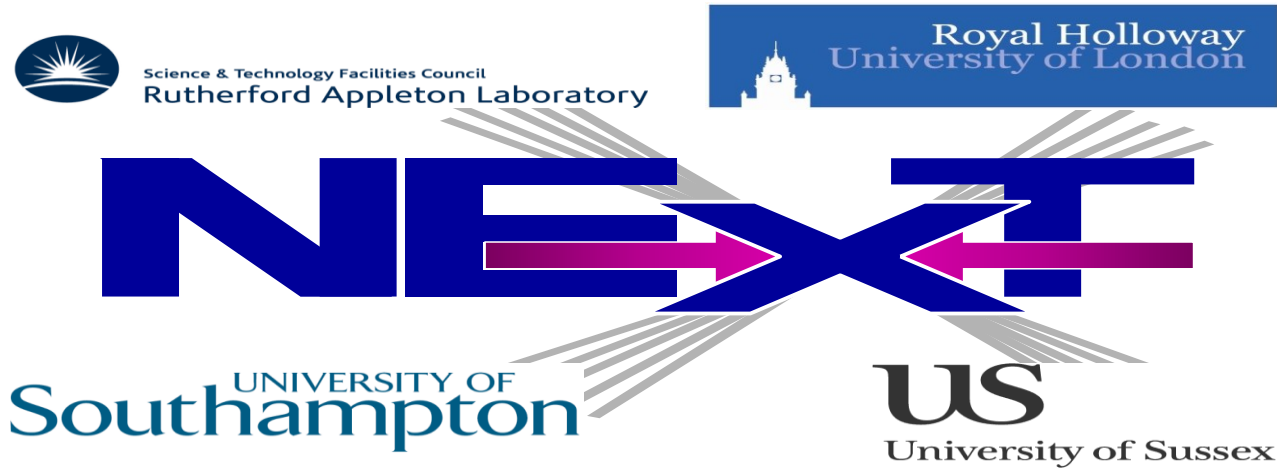


- Research university (7,700 students, 18 departments, 530 academic staff)
- Landmark: **Founder's Building** (after: Chateau de Chambord)
- **University of London**: federation of 19 universities with 130,000 students also includes: King's College, London School of Economics, Queen Mary, University College London (but not Imperial College)
- **Physics Department**: 18 academic staff, 10 adv. fellows+emerit., 20 research positions, approx. 200 UG and 30 PG students
Areas: low temperature physics, nanophysics/technology, neutron and X-ray scattering, condensed matter theory, CPP

Centre for Particle Physics at RHUL

- Director: Grahame Blair
- 3 research areas:
 - **Collider experiments (ATLAS and BaBar)**
Tracey Berry, Veronique Boisvert, Glen Cowan, Pedro Teixeira-Dias
 - **Accelerator technologies** (John Adams Institute w/ Oxford)
Stewart Boogert, Pavel Karataev, Stephen Molloy
 - **Particle physics phenomenology** (since January 2009)
NExT Fellow-Lecturer: Nikolas Kauer, Stephen West
Research interests: LHC physics (NK) and Dark Matter (SW)
- + 9 research staff and 15 postgraduate students

The NExT Institute/Network



NExT = New connections between Experiment and Theory

Directorate: Stefano Moretti (Theory), Claire Shepherd-Themistocleous (CMS)
Steering Committee Chair: Norman McCubbin (ATLAS)

7 NExT Fellows: Elena Accomando, Sasha Belyaev, Pasquale Di Bari,
Sebastian Jäger, Nikolas Kauer, Stephen West, Roman Zwicky

NExT Seminar Meetings since 2001 (2-3 per year), **NExT Graduate School** (2009),
Workshops: New Ideas on Hadronisation (RAL 2008), *this one* and ...

NExT Workshop: TOOLS 2010

Tools for SUSY and the New Physics, Sharpening our Tools
29 June - 2 July 2010, Winchester, UK



Information and registration:
<http://info.next-institute.ac.uk/tools2010.html>
tools10@son.ac.uk

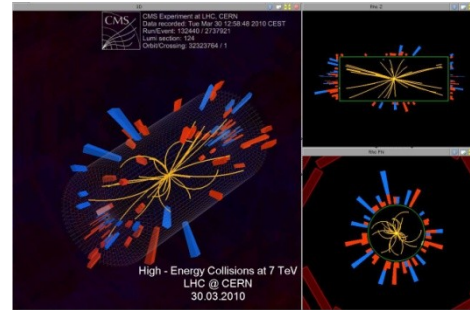
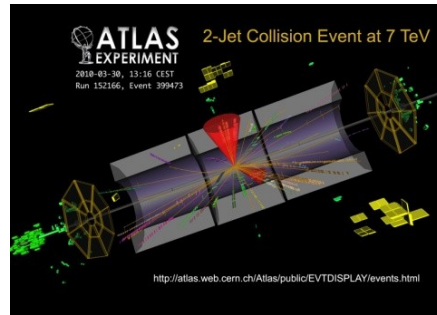


Many thanks to our sponsors!

- Joint IPPP – NExT Workshop
- Sponsors:
 - Institute for Particle Physics Phenomenology Durham (60%)
 - University of Southampton (10%)
 - Rutherford Appleton Laboratory (10%)
 - Royal Holloway University of London (10%)
 - University of Sussex (10%)

Theory Experiment Interplay at the LHC Workshop

Experimental exploration of physics at the Terascale finally a reality ...



- Informal presentation and discussion in small group of experts from ATLAS, CMS, Theory: recent progress and future plans
- As science-focused, open, honest, warmheartedly as possible, please ...

... to show that the spirit of our friend and colleague

Thomas Binoth

*whom we tragically lost in January
survives*



Practical Info

- DIY name tags
- Programs and campus maps are available
- Coffee/tea breaks in Tolansky T118
- **Thu lunch: in The Hub** (like breakfast)
- Fri lunch: in Tolansky T118
- Thu dinner: *Rose and Olive Branch* pub
- **Meet 19:30 in front of The Hub for lifts**



Enjoy the workshop!