

PP Group Meeting: 8 Sept 2014

PRN

Updates since last meeting

- Staffing
 - News highlights
 - Group web pages
 - Other current issues
-
- Preparing for Consolidated Grant 2015

Staff Changes Since Last Meeting

Farewells ... - Apr 2013: Pete Faulkner → retirement

Arrivals ...

- **Nov 2013:** Terry Ashton (Elec Eng - ATLAS Upgrade)
- **Jan 2014:** Chris Parkinson (NA62 postdoc, EG's ERC grant)
- **Mar 2014:** Andy Chisholm (ATLAS postdoc, KN's MC grant)
- **Aug 2014:** Sasha Mazurov (Programmer - Consol. grant)

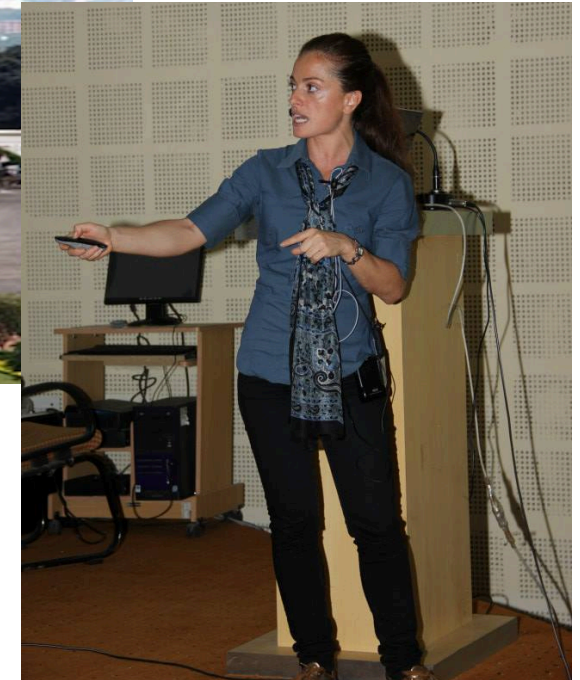


1 year ATLAS/QCD post pending
Marie Curie, STFC, Royal Society applications pending

Promotions: Nige and Evgueni → Readers. Congratulations!

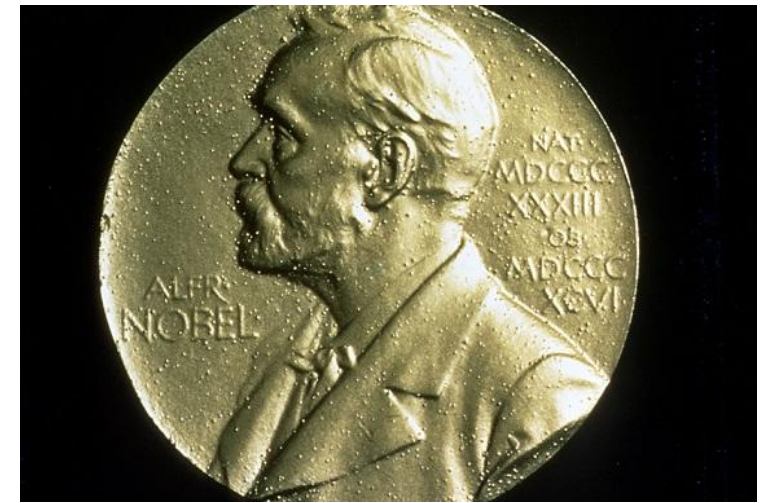
Some News Highlights

Sep 2013 Works outing: 15 group members visit Jammu, India



Some News Highlights

Oct 2013: Nobel prize:



Some News Highlights

Another great year of outreach activities, including
July 2014: 'The Higgs and Beyond' at Royal Society SSE
March 2014: 'Understanding the Higgs Boson' at Big Bang Fair



Some News Highlights

May 2014: Prof Dave Charlton FRS
(and re-election as ATLAS spokesperson, June 2014)



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Professor David Charlton FRS

Professor of Particle Physics, School of Physics and Astronomy, University of Birmingham

David Charlton is a leader in the experimental elucidation of electroweak symmetry-breaking, culminating in the observation and first characterisation of a Higgs boson, at the LHC. His work with the OPAL experiment at the electron-positron collider LEP provided the first measurement there of the yield of Z decays, then extracted the fraction decaying to bottom quarks. Later he led the measurements which directly demonstrated the gauge structure of the electroweak sector of the Standard Model.

At the LHC, he led physics preparations in the year before first collisions, acted as ATLAS Deputy Spokesperson throughout the first three year running period, and is now the



© CERN

Some News Highlights

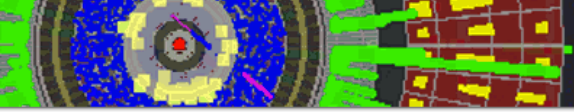
July 2014:
Hosting
BEACH 2014



Some News Highlights

No doubt there were many more news items,
particularly physics output → see following talks

Please let me know when you have any interesting news:
important for grant applications and for our public face ...



the University of Birmingham in
ate structure of matter and the

News

have a central involvement in
iggs boson and searching for
r-antimatter asymmetry in the
g ultra-rare decays of strange
ues from the nuclear physics
ron Collider.

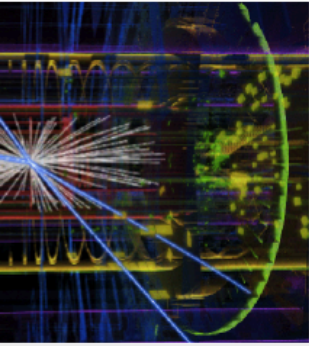
21 July 2014
Group hosting
[BEACH 2014](#)
conference

1 July 2014
Group members
talking Higgs
Bosons at [Royal
Society Summer
Science Exhibition](#)

23 June 2014
LHC restart
schedule
[announced](#)

1 May 2014
Congrats to group
member [Prof Dave
Charlton](#), elected
Fellow of the Royal
Society

24 April 2014
Photos from the [Big
Bang Fair](#)



ParticlePhysics-Bham
@PP_UniBham

Particle Physics Group at the University
of Birmingham, collaborating in the
ATLAS, LHCb, NA62 and ALICE
experiments at CERN

Physics West Building / CERN

TWEETS 80 PHOTOS/VIDEOS 2 FOLLOWING 76 FOLLOWERS 145 More Edit profile

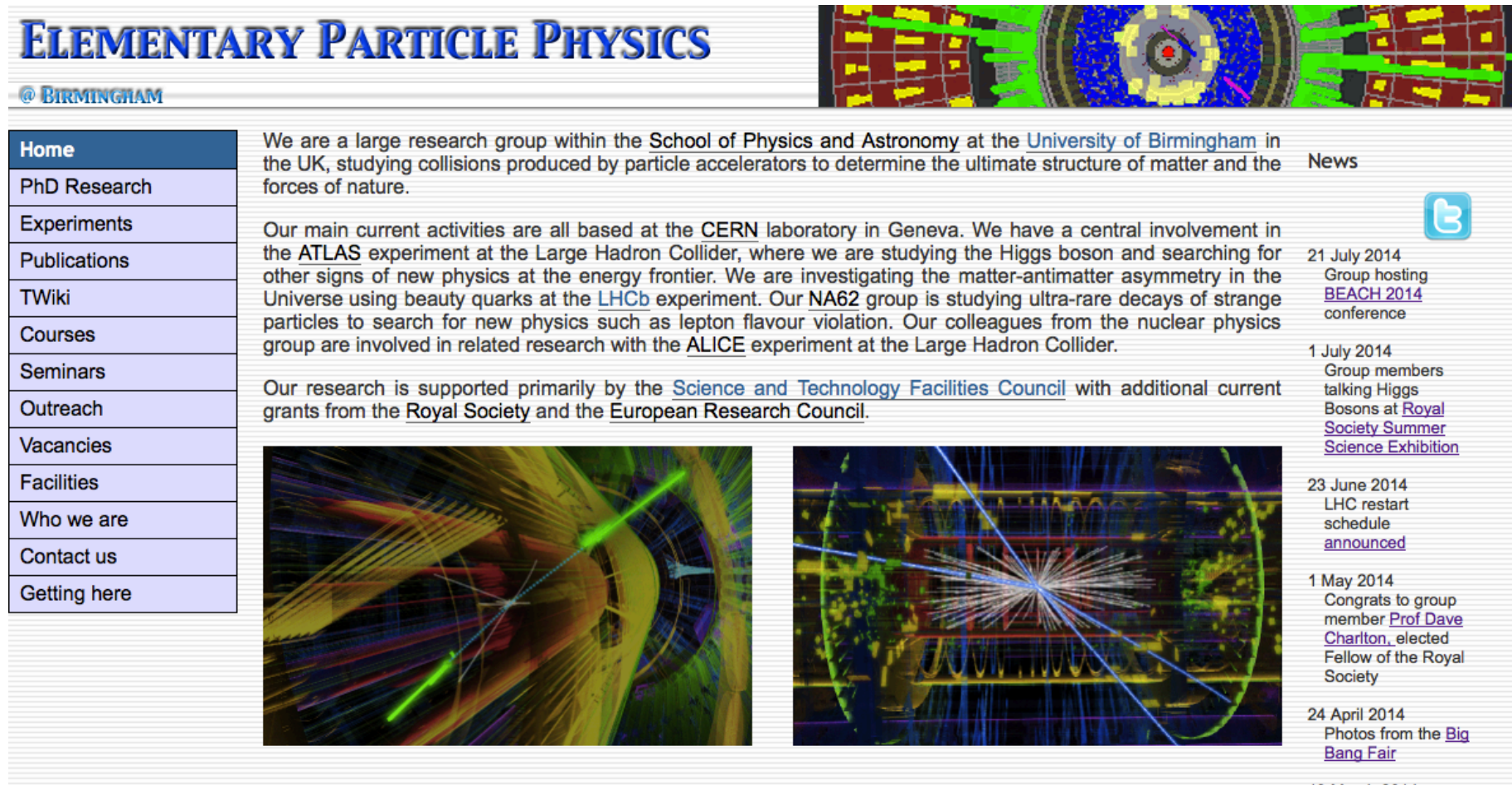
Tweets Tweets & replies

ParticlePhysics-Bham @PP_UniBham · Sep 5
Very excited about British Science Festival starting in Birmingham
tomorrow. We'll be there! Full programme: bit.ly/1qCk5t6 #BSF14

Visible on coffee lounge screen, along
with rotating web pages of interest.

WEB PAGES

Our web interface is OK, but looking increasingly dated



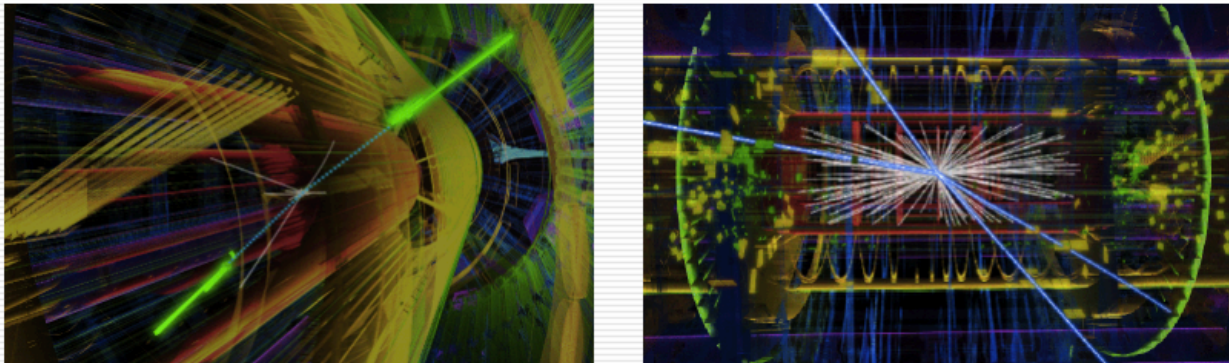
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@ BIRMINGHAM

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Getting here


We are a large research group within the [School of Physics and Astronomy](#) at the [University of Birmingham](#) in the UK, studying collisions produced by particle accelerators to determine the ultimate structure of matter and the forces of nature.

Our main current activities are all based at the [CERN](#) laboratory in Geneva. We have a central involvement in the [ATLAS](#) experiment at the Large Hadron Collider, where we are studying the Higgs boson and searching for other signs of new physics at the energy frontier. We are investigating the matter-antimatter asymmetry in the Universe using beauty quarks at the [LHCb](#) experiment. Our [NA62](#) group is studying ultra-rare decays of strange particles to search for new physics such as lepton flavour violation. Our colleagues from the nuclear physics group are involved in related research with the [ALICE](#) experiment at the Large Hadron Collider.

Our research is supported primarily by the [Science and Technology Facilities Council](#) with additional current grants from the [Royal Society](#) and the [European Research Council](#).



News



21 July 2014
Group hosting [BEACH 2014](#) conference

1 July 2014
Group members talking Higgs Bosons at [Royal Society Summer Science Exhibition](#)

23 June 2014
LHC restart schedule [announced](#)

1 May 2014
Congrats to group member [Prof Dave Charlton](#), elected Fellow of the Royal Society

24 April 2014
Photos from the [Big Bang Fair](#)

10 March 2014

Overhaul planned in next few months (Matt W)

Suggestions and bright ideas very welcome ...

Some Sundried Issues

- **Seminars ...** thanks to Ian, Simon and now Chris
- **Open Days ...** thanks to those who help.
More demanding nowadays, so please volunteer
- **REF ...** still don't know results?!?
- **Personal Reviews ...** will be annual in future.
Taking ultra-light-touch approach, working so far.
Hopefully quite positive for most people.
- **PhD Funding ...** travel to confs / schools getting tighter.
- **Office space ...** continued growth → more pressure
Refurb of computer graveyard was successful ...
Visitor office / meeting room available for use

Grant Income / Consolidated Grant

Grants received in the past year from STFC:

- Capital investment
- GridPP equipment
- LHCb upgrade
- ATLAS upgrade

Next year will be much busier → Consolidated Grant 2015

- Rules will have changed (review → briefing 30 Sept)
- Submission expected ~ Feb 2015
- Will need to collect comprehensive information on everything we've achieved / are achieving
- Will need a detailed plan for each group member
- Everybody's input valuable ... some meetings to come 😊

Monday, 8 September 2014

13:00 - 13:15	Group News and Consolidated Grant 2015 15' Speaker: Paul Newman (University of Birmingham (GB))	▼
13:15 - 14:15	Short Activity Overviews	▼
13:15	ATLAS Data Analysis 10' Speaker: Miriam Watson (University of Birmingham (GB))	▼
13:25	ATLAS L1Calo 5' Speaker: Alan Watson (University of Birmingham (GB))	▼
13:30	ATLAS Silicon Tracker 5' Speaker: Konstantinos Nikolopoulos (University of Birmingham (GB))	▼
13:35	LHCb 10' Speaker: Nigel Watson (University of Birmingham (GB))	▼
13:45	NA62 10' Speaker: Cristina Lazzeroni (University of Birmingham (GB))	▼
13:55	GridPP 5' Speaker: Chris Hawkes (University of Birmingham (GB))	▼
14:00	Linear Collider 5' Speaker: Nigel Watson (University of Birmingham (GB))	▼
14:05	Lepton Hadron Colliders 5' Speaker: Paul Newman (University of Birmingham (GB))	▼
14:10	Discussion / other suggestions 5'	▼
14:15 - 14:25	PhD Student Matters 10' Speaker: Cristina Lazzeroni (University of Birmingham (GB))	▼
14:25 - 14:35	Computing Matters 10' Speaker: Matt Williams (University of Birmingham (GB))	▼
14:35 - 14:45	Outreach Matters 10' Speaker: Konstantinos Nikolopoulos (University of Birmingham (GB))	▼
14:45 - 14:55	Undergraduate Teaching Matters 10' Speaker: Chris Hawkes (University of Birmingham (GB))	▼
14:55 - 15:25	Short Research Reports	▼
14:55	Ludovica 3' Speaker: Ludovica Aperio Bella (University of Birmingham (GB))	▼
14:58	Andy 3' Speaker: Andrew Stephen Chisholm (University of Birmingham (GB))	▼
15:01	Paul (tbc) 3' Speaker: Dr. Paul Thompson (University of Birmingham (GB))	▼
15:04	Chris 3' Speaker: Dr. Christopher John Parkinson (University of Birmingham)	▼
15:07	Angela (tbc) 3' Speaker: Angela Romano (University of Birmingham (GB))	▼
15:10	Simon 3' Speaker: Simon Head (University of Birmingham (GB))	▼
15:25 - 15:30	A.O.B. 5'	▼
15:30 - 16:00	Informal chat over coffee 30'	▼