

# PP Group Meeting: 2 Sept 2013

PRN

- Updates since last meeting
  - Staffing
  - News highlights
  - Grant awards
  - Other current issues
- Upcoming grant and Fellowship Opportunities
- Group web pages

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## Staff changes since last group meeting: farewells ...

- **Jan 2013:** Xen Serghi → undergraduate labs
- **Apr 2013:** Lawrie Lowe → retirement

## Staff changes since last group meeting: arrivals ...

- **May 2012:** Kostas Nikolopoulos (B'ham Fellow - ATLAS)
- **Oct 2012:** Angela Romano (NA62 postdoc)
- **Feb 2013:** Ludovica Aperio Bella (ATLAS postdoc)
- **Feb 2013:** Simone Bifani (LHCb postdoc)
- **Mar 2013:** Tonino Sergi (STFC Fellow - NA62 and LHCb)
- **Aug 2013:** Sam Edwards (Technician)
- **Sep 2013:** Matt Williams (Computing Support)
- **Pending:** A.N.Electronic-Engineer

**2 Marie Curie Relocation Fellowships pending**

**2 / 3 STFC Rutherford / Royal Society URF applications soon**

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## Selected News / highlights since last meeting:

- **Dec 2011:** CERN DG awarded honorary degree
- **Dec 2011:** First new particle discovered at LHC:  $\chi_b(3P)$
- **Mar 2012:** Discovering Particles at NEC Big Bang Fair
- **May 2012:** First observation of t-tbar spin correlations
- **July 2012:** Second new particle discovered at LHC: H
- **Dec 2012:** Final NA62 2007/8  $K \rightarrow e\nu$  /  $K \rightarrow \mu\nu$  results
- **Feb 2013:** New ultrasonic wire bonder delivered
- **Mar 2013:** Dave C takes on minor new responsibilities
- **Apr 2013:** CERN DG gives VC's distinguished lecture
- **Jun 2013:** First B'ham LHCb paper ( $\Lambda_b \rightarrow \mu\mu$ )
- **July 2013:** Understanding the Higgs at RS Summer Exhib
- **Sept 2013:** 'Triggering Discoveries' workshop (Jammu)
- **Ongoing:** Huge number of other outreach activities
- **Ongoing:** Successful and varied seminar programme

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## Grant Income since last meeting:

- Consolidated Grant (covering 10/12 - 9/15)
- GridPP4 equipment and post (4/13 - 3/15)
- ATLAS L1Calo upgrade (4/13 - 3/19)
- ATLAS Tracker upgrade (4/13 - 3/14 ... so far)
- Ultrasonic wire bonder
- Discover the Cosmos outreach project
- Wakeham efficiency savings
- UKIERI grant for collaboration with Jammu
- Nikolopoulos Marie Curie Career Integration Grant
- Goudzovski ERC Starting Grant

## Ongoing / Upcoming Grant Opportunities:

- LHCb Upgrade (submitted)
- STFC Equipment Call (Sept 2013)
- STFC Small Awards (see hi-phi August 2013)

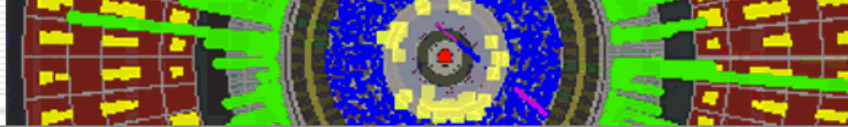
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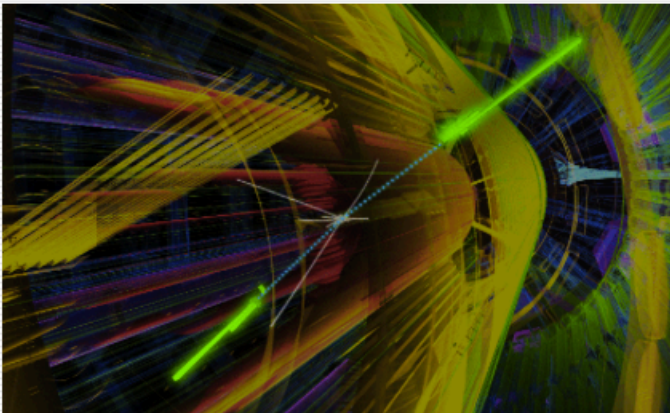
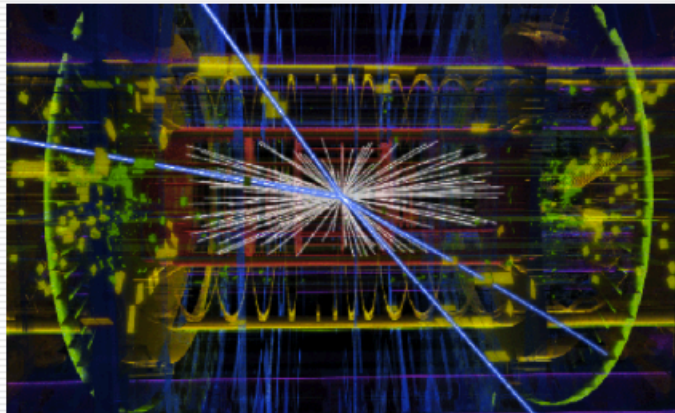
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Partial overhaul of group web pages ... more to come?...

## ELEMENTARY PARTICLE PHYSICS

@ BIRMINGHAM



Home	<p>We are a large research group within the <a href="#">School of Physics and Astronomy</a> at the <a href="#">University of Birmingham</a> in the UK, studying collisions produced by particle accelerators to determine the ultimate structure of matter and the forces of nature.</p> <p>Our main current activities are all based at the <a href="#">CERN</a> laboratory in Geneva. We have a central involvement in the <a href="#">ATLAS</a> 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 <a href="#">LHCb</a> experiment. Our <a href="#">NA62</a> 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 <a href="#">ALICE</a> experiment at the Large Hadron Collider.</p> <p>Our research is supported primarily by the <a href="#">Science and Technology Facilities Council</a> with additional current grants from the <a href="#">Royal Society</a> and the <a href="#">European Research Council</a>.</p>  
PhD Research	
Experiments	
Publications	
TWiki	
Courses	
Seminars	
Outreach	
Vacancies	
Facilities	
Who we are	
Contact us	
Getting here	

### News

22 July 2013  
[B'ham Nuclear Physics / ALICE colleagues hosting SQM2013 meeting this week](#)

1 July 2013  
[Group members manning Higgs boson stand at Royal Society Summer Science Exhibition](#)

11 June 2013  
[Group member Evgueni Goudzovski awarded prestigious ERC Starting Grant](#)

5 June 2013  
[Vacancies for Firmware Engineer and Technician](#)

22 April 2013  
[Group welcomes CERN DG Rolf Heuer for B'ham lecture](#)

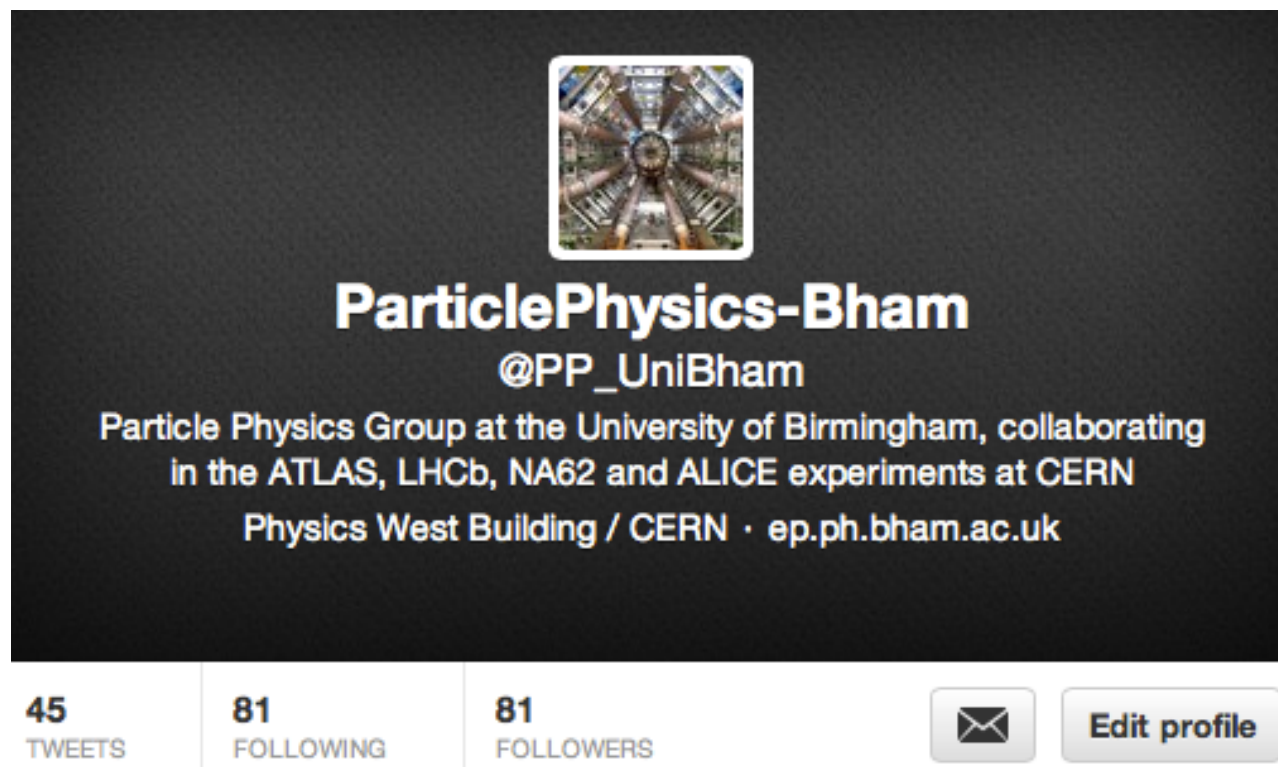
- Updated front page introductory text and news feed
- Many improvements by many people to inside pages
- Important to get right. - Further suggestions very welcome

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## Screen in Coffee Lounge:

(When working), has been used to show LHC event displays, live camera at Point 1, twitter feeds (including group's own) on slow Loop through various pages. Could also include relevant recent articles in media etc. **More ideas on how to use this welcome ...**



The image shows a screenshot of a Twitter profile page for 'ParticlePhysics-Bham'. At the top center is a square profile picture showing a complex, multi-colored particle detector structure. Below the picture, the name 'ParticlePhysics-Bham' is displayed in a large, bold, white font, followed by the handle '@PP\_UniBham' in a smaller white font. Underneath, the bio text reads: 'Particle Physics Group at the University of Birmingham, collaborating in the ATLAS, LHCb, NA62 and ALICE experiments at CERN' and 'Physics West Building / CERN · ep.ph.bham.ac.uk'. At the bottom of the profile, there are three statistics: '45 TWEETS', '81 FOLLOWING', and '81 FOLLOWERS'. To the right of these statistics is a white envelope icon in a grey box, and a grey button with the text 'Edit profile'.

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## Some Current Issues and Questions

- REF ... census date October 2013
- Staff Reviews (many are long overdue)
- Office space?...
- Next Consolidated Grant  
Will begin October 2015, submission early 2015  
... papers, positions of responsibility, conf' talks,  
other esteem indicators all count ...

**... good time to review current state of the group,  
its direction, future plans and opportunities ...**

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09:45 - 10:50

## Short Activity Updates

09:45 **ATLAS Data Analysis** 10'

Speakers: Miriam Watson (University of Birmingham (GB)), Paul Newman (University of Birmingham (GB))

09:55 **ATLAS L1Calo Operation and Upgrade** 5'

Speaker: Alan Watson (University of Birmingham (GB))

10:00 **ATLAS Tracker Upgrade** 5'

Speaker: Dr. John Allan Wilson (University of Birmingham (GB))

10:05 **LHCb** 10'

Speaker: Nigel Watson (University of Birmingham (GB))

10:15 **NA62** 10'

Speakers: Cristina Lazzeroni (University of Birmingham (GB)), Dr. Evgueni Goudzovski (University of Birmingham)

10:25 **Linear Collider possibilities** 10'

Speakers: Chris Hawkes (University of Birmingham (GB)), Nigel Watson (University of Birmingham (GB))

10:35 **Lepton Hadron Colliders (H1, LHeC, EIC)** 5'

Speaker: Paul Newman (University of Birmingham (GB))

10:40 **GridPP** 5'

Speaker: Chris Hawkes (University of Birmingham (GB))

10:45 **Discussion / other suggestions** 5'



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## Pending Fellowship Applications

- **Marie Curie Relocation:** Constantinos Melachinos
- **Marie Curie Relocation:** Lillian Smestad
- **STFC / Royal Society URF:** David Cote
- **STFC / Royal Society URF:** Giuseppe Ruggerio (t.b.c.)
- **STFC / Royal Society URF:** James Monk (t.b.c.)