

News and events

News items and events relating to the School of Physics and Astronomy.

Events:

[BritGrav 15 public lecture: Gravitational waves—advances towards detection \(/schools/physics/news/events/gravitational-waves.aspx\)](/schools/physics/news/events/gravitational-waves.aspx)

25/02/2015

2015 marks the 100th anniversary of Einstein publishing his theory of general relativity. To celebrate this occasion, Professor Jim Hough will give a public talk on gravitational-wave astronomy. The talk is for a general audience with no physics or astronomy background. The lecture is free, but booking is required. Before and after the lecture, there will be refreshments, hands-on demonstrations and the chance to chat with our researchers.

See our **[Talks and Seminars page \(/schools/physics/news/physics-astronomy-seminars.aspx\)](/schools/physics/news/physics-astronomy-seminars.aspx)**.

News

[University of Birmingham launches the Rocketry Society \(/university/colleges/eps/news/student/UBRS-launch-July14.aspx\)](/university/colleges/eps/news/student/UBRS-launch-July14.aspx)



The University of Birmingham Rocketry Society (UBRS) is the newest and most explosive EPS group yet! Dan Lockett, Maths student and Deputy Director-General, tells us more.

[AstroSoc Update - July 2014 \(/university/colleges/eps/news/student/AstroSoc-Update-July14.aspx\)](/university/colleges/eps/news/student/AstroSoc-Update-July14.aspx)



It's been an exciting and enjoyable year for the Astronomical Society with a growing portfolio of events and projects. AstroSoc President Paul Carter summarises 2014.

[Small nuclear reactors may be the key to a low-carbon future \(/university/colleges/eps/news/college/2014/small-nuclear-reactors-low-carbon-future.aspx\)](/university/colleges/eps/news/college/2014/small-nuclear-reactors-low-carbon-future.aspx)

Take a hard look at the painful process of de-carbonising the UK's electricity supply, and it's clear that the options on the table are not great.

[Dr Elizabeth Blackburn receives early career award from Institute of Physics \(/schools/physics/news/blackburn-award-institute-of-physics.aspx\)](/schools/physics/news/blackburn-award-institute-of-physics.aspx)

The Institute of Physics announced its 2014 award winners. Dr Elizabeth Blackburn, Reader in Experimental Physics, was awarded the Moseley medal for distinguished early career research in experimental physics.

[Birmingham goes 'Beyond the Boson' at the Royal Society \(/news/latest/2014/06/beyond-the-boson-30-06-14.aspx\)](/news/latest/2014/06/beyond-the-boson-30-06-14.aspx)

Scientists from the University of Birmingham are showcasing ground breaking research into the Higgs boson at the Royal Society Summer Science Exhibition 2014.

[School of Physics leads the way on gender equality \(/schools/physics/news/physics-leading-on-gender-equality.aspx\)](/schools/physics/news/physics-leading-on-gender-equality.aspx)

The School of Physics and Astronomy at the University of Birmingham has become the tenth Juno Champion after displaying its determination and commitment to addressing gender inequities across its whole student and staff body.

[Making Mini Big Bangs at the Large Hadron Collider \(/university/colleges/eps/news/college/2014/Making-Mini-Big-Bangs-at-the-Large-Hadron-Collider.aspx\)](/university/colleges/eps/news/college/2014/Making-Mini-Big-Bangs-at-the-Large-Hadron-Collider.aspx)



Much has been made of the discovery of the Higgs boson – the elementary particle pivotal to the Standard Model of physics – and rightly so. Yet the so-called 'God particle', hypothesised for so long and finally confirmed in 2012, is responsible for only one per cent of the mass of the visible universe. The other 99 per cent is due to the Strong Force. Professor David Evans, School of Physics and Astronomy, talks about his work at the Large Hadron Collider.

[EPS colleague elected Fellow of the Royal Society \(/university/colleges/eps/news/college/EPSColleague-elected-Fellow-of-the-Royal-Society.aspx\)](/university/colleges/eps/news/college/EPSColleague-elected-Fellow-of-the-Royal-Society.aspx)

Professor David Charlton has been elected Fellow of the Royal Society, a fellowship of many of the world's most distinguished scientists and the national Academy of Science in the UK.

[Metamaterial - Rewriting the Rules for Optics \(/university/colleges/eps/news/college/Metamaterial---Rewriting-the-Rules-for-Optics.aspx\)](/university/colleges/eps/news/college/Metamaterial---Rewriting-the-Rules-for-Optics.aspx)

It is the stuff of science-fiction movies, but the idea of an 'invisibility cloak' is not as fantastical as it sounds.

[New Staff in Physics & Astronomy, November 2013 – March 2014 \(/university/colleges/eps/news/schools/New-Physics-and-Astronomy-staff-2014.aspx\)](/university/colleges/eps/news/schools/New-Physics-and-Astronomy-staff-2014.aspx)

A round-up of new Physics and Astronomy staff members November 2013 – March 2014

