

News and events

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

Events:

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

News

[Birmingham physicist elected UK ATLAS Physics Coordinator \(/university/colleges/eps/news/college/2014/Birmingham-Physicist-elected-UK-ATLAS-Physics-coordinator.aspx\)](/university/colleges/eps/news/college/2014/Birmingham-Physicist-elected-UK-ATLAS-Physics-coordinator.aspx)

Dr Kostas Nikolopoulos, Birmingham Fellow in the School of Physics and Astronomy, has been elected UK ATLAS Physics coordinator.

[Proton radiotherapy: hype, fiction and a few facts \(/news/thebirminghambrief/items/2014/09/Proton-radiotherapy-hype-fiction-and-a-few-facts.aspx\)](/news/thebirminghambrief/items/2014/09/Proton-radiotherapy-hype-fiction-and-a-few-facts.aspx)

Proton beam therapy (or our preferred title of proton radiotherapy), is a form of radiotherapy delivered with beams of high energy protons rather than the more usual beams of high energy x-rays (or less frequently beams of electrons). It is part of the general field of particle radiotherapy that includes use of particles that are heavier than protons. Beams of carbon ions are the main topic for clinical research around the world, although there is also interest in other particles such as helium ions.

[Positive news for the College of Engineering and Physical Sciences as University celebrates best ever performance in National Student Survey \(/university/colleges/eps/news/college/2014/National-Student-Survey-news-for-College.aspx\)](/university/colleges/eps/news/college/2014/National-Student-Survey-news-for-College.aspx)

Birmingham students are more satisfied with their teaching and learning than ever before according to The National Student Survey (NSS) – the most comprehensive measure of student satisfaction within higher education. The success was reflected in the College with the majority of the nine Schools seeing an increase in subject satisfaction. Chemistry, Physics and Astronomy and Computer Science saw outstanding results with 98% overall satisfaction.

[Nuclear Engineering Students visit Xiamen for Clean Energy Summer School \(/university/colleges/eps/news/college/2014/Nuclear-Engineering-Students-visit-Xiamen-for-Clean-Energy-Summer-School.aspx\)](/university/colleges/eps/news/college/2014/Nuclear-Engineering-Students-visit-Xiamen-for-Clean-Energy-Summer-School.aspx)

Four Nuclear Engineering students visited Xiamen, China, in June to participate in the Clean Energy Science and Technology Summer School.

[Triangulating Carbon-12 \(/university/colleges/eps/news/college/2014/Triangulating-Carbon-12.aspx\)](/university/colleges/eps/news/college/2014/Triangulating-Carbon-12.aspx)



Investigations performed by members of the nuclear physics group at the MC40 cyclotron in Birmingham have uncovered a resonance at high-energy, the properties of which suggest that the protons and neutrons are clustered into three alpha particles arranged at the vertices of an equilateral triangle. This is the first time such a symmetry has been observed in nuclei and also a significant step into finally revealing the long sought after structure of the Hoyle state – the nuclear gateway for the synthesis of all heavier elements in the stars.

[Professor Yvonne Elsworth featured on BBC Radio Four's 'In our time' \(http://www.bbc.co.uk/podcasts/series/iot\)](http://www.bbc.co.uk/podcasts/series/iot)

How was the Sun formed, and what do we know about its structure and the processes going on inside our nearest star? Select 'The Sun 10 Jul' podcast from the linked page.

[Physics at Birmingham research paper appears in prestigious journal. \(http://physics.aps.org/synopsis-for/10.1103/PhysRevLett.113.012502\)](http://physics.aps.org/synopsis-for/10.1103/PhysRevLett.113.012502)

Professor Martin Freer's paper 'Carbon-12 Caught in a Triangle' featured in the high profile American Physics Society Journal.

[New Staff in Physics & Astronomy, March - July 2014 \(/university/colleges/eps/news/schools/New-Physics-and-Astronomy-staff-2014-2.aspx\)](/university/colleges/eps/news/schools/New-Physics-and-Astronomy-staff-2014-2.aspx)

A round-up of new Physics and Astronomy staff members March - July 2014

[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 Luckett, 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.

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