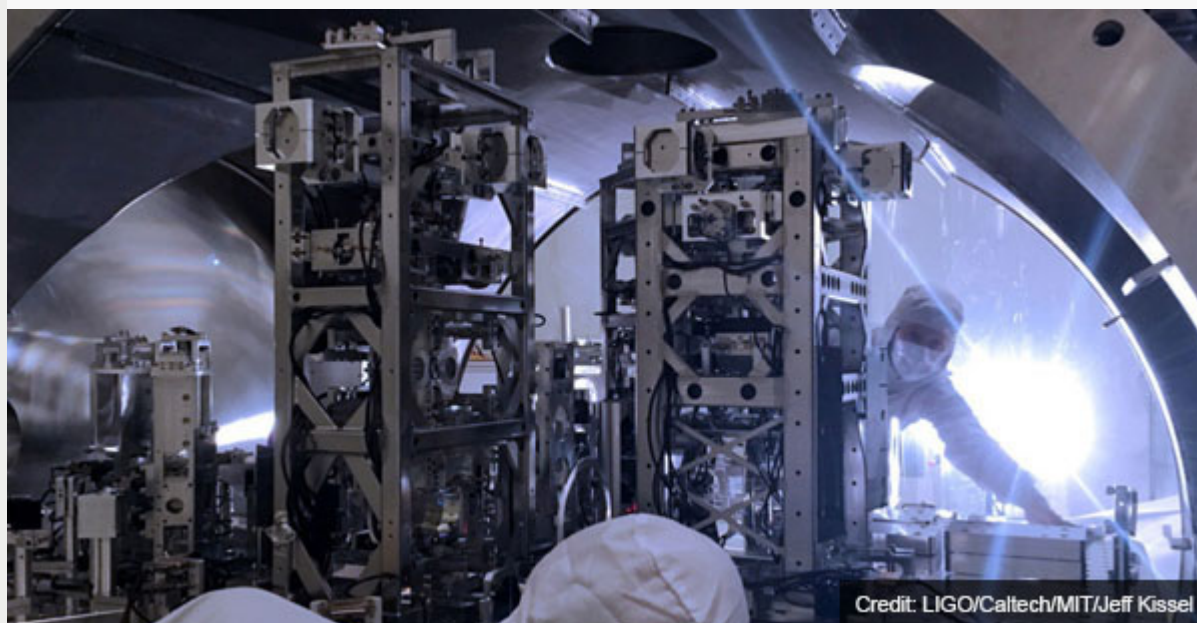


[Printable PDF version](#) | [View email in browser](#)



Scientists find more evidence the Universe is a violent place

Following the switching on of the now-upgraded LIGO gravitational wave detector, scientists say that violent collisions between black holes or dead stars occur frequently.

LIGO has detected a collision between two neutron stars and what might be the first evidence of a neutron/black hole collision.

[Read More](#)



UK media get an exclusive look behind the scenes

The tunnels at the Large Hadron Collider (LHC), Geneva, are rarely accessible to the public but members of the UK science media, including Physics World, got the opportunity to go underground during its two-year engineering upgrade.

[Read More](#)

Cobham use ChipIr to bring product to market

Cobham RAD Europe Ltd has brought a new product to the market thanks to STFC's Bridging for Innovators (B4I) programme, that enabled them to access the unique capability offered by the ChipIr beamline for cosmic radiation testing.



[Read More](#)



A good day to dye: how to turn sunlight into fuel

Plants are brilliant at converting the Sun's energy into fuel – humans, not so much. Scientists using the ULTRA laser at the Central Laser Facility (CLF) are aiming to rectify this by creating artificial photosynthesis, which will turn water in hydrogen fuel.

[Read More](#)

Going deep underground for out of this world art

Boulby Underground Laboratory is a place of extremes rarely visited by artists. Now Annalea Beattie and Cliff Dolliver from the Mars Society Australia, have been investigating how art is made in harsh conditions in Boulby's tunnels in preparation for life on other planets.



[Read More](#)



Showcasing science in the community

Supported by an STFC grant, the University of Swansea hosted a pop-up science exhibition in Swansea's city centre showcasing their research. Over 100 days, 17,000 visitors enjoyed a mock-up of the Large Hadron Collider and a 30-metre animation of the history of the Universe.

[Read More](#)

Grappling physics' oldest unsolved problem

Scientists have used high-power lasers at the Central Laser Facility (CLF) to recreate supersonic turbulence found in star-forming nebulae. They hope to understand how turbulence affects star formation and to tackle one of physics' oldest mysteries: turbulence itself.



[Read More](#)



Celebrating high impact neutron science

ISIS Neutron and Muon Source has been celebrating the power of neutron science with its annual impact awards. Among the highlights are the development of new anti-cancer agents for cancers and methods to reduce Indonesia's reliance on fossil fuels.

[Read More](#)

Celebrating a new generation of engineers

School students taking part in the Engineering Education Scheme have been celebrating their hard work. They have spent five months working on solutions to real-world engineering problems.



[Read More](#)



Fibre-optic cables made from plasma hotter than the Sun

A team of scientists at the Central Laser Facility (CLF) has developed an innovative way to keep laser beams focused over long distances. By firing a laser into hydrogen gas, they have created 'fibre-optic cables'.

[Read More](#)



Credit: Pixabay

Daresbury base for US start-up in war against malaria

US start-up, LivFul, has set up a UK base at Daresbury Laboratory in its global mission to save lives from malaria and other insect-borne diseases.

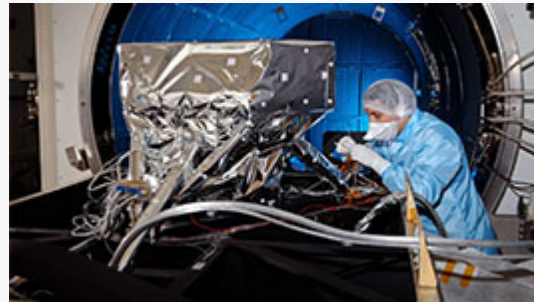
The company is focussing on the further development of its plant-based insect repellent, which is long lasting and family friendly.

[Read More](#)

STFC Social Media



[#WonderMatch](#) is the perfect opportunity for community organisations and researchers to meet together and develop ideas for engagement activities. [Read more here.](#)



[#GAM2019](#) [#OnePeopleOneSky](#). The state of the art camera and spectrometer [#MIRI](#) for what will be the largest telescope in [#space](#) [#JWST](#) [#Webb](#). [Read more here.](#)



World-first experiment at Daresbury Lab by [@EPSRC's @SuperSTEM_UK](#) brings good vibes for the atomic-scale 'toolbox'. [Read more here.](#)



Satuccino: Extra Shot, Edinburgh, hosted by STFC and the Scottish Centre of Excellence in Satellite Applications. With a live link to the main Satuccino event. [Read more here.](#)



Copyright © 2019 Science and Technology Facilities Council, All rights reserved.