

Daresbury Laboratory Virtual Accelerator and Particle Physics Masterclass 2022

As part of our ongoing support for schools during the Covid-19 Pandemic, we are once again delivering our annual Accelerator and Particle Physics Masterclass online in 2022. The aim of this event is to give students an introduction to accelerator technology and the exciting physics behind these amazing machines.

The event will include a range of interesting talks, virtual tours and interactive demonstrations that will fire your students' imagination and inspire them about cutting edge science and technology, as well as STEM career opportunities



An example of the activities will include:

- ✓ Virtual tours of [Diamond Light Source](#) / [Boulby Underground Laboratory](#)
- ✓ Vacuum & superconductivity demos
- ✓ Electromagnetism talk for particle accelerators
- ✓ Interactive activity based on conservation of energy in particle collisions
- ✓ Q&A careers session with experts



Registering your Interest

This event is aimed primarily at sixth form students and GCSE students considering studying science at A Level, and is relevant to 3.2 of the AQA curriculum.

We understand that schools are still facing unprecedented challenges, and students have limited time for activities or events that take them off timetable. We are therefore inviting you to express your interest in this event by taking a few moments to complete a short survey. This survey will provide options that we believe will help schools participate, and the overall responses will collectively provide us with an indication of which option is the most suitable.

So, if you want your pupils to find out more about physics, accelerator science and technology and the exciting careers options it offers, then we would love you to join us!

Please register your expression of interest here:

<https://www.smartsurvey.co.uk/s/Z0LAZL/>

(Closing date for responses 31 January 2022)



Ask Wendy

After the closing date for responses all schools expressing an interest will be contacted by email to offer them the chance to fully register their place. This email will be sent by 5 March, and registered places will be allocated on a first come first serve basis.

Once we have reached our maximum we will open up a waiting list.

Schools that opt to be placed on a waiting list will be contacted should places become available.

In the meantime, if you have any questions that we have not answered, please contact wendy.cotterill@stfc.ac.uk

Please note: Although we do not intend to make any changes to the programme, we reserve the right to make changes should the need arise.

