

Bringing Science to Swindon

Tuesday 23rd October 2018 Starting at: 7:00 pm (all welcome)
Venue: Lecture Theatre, New College Swindon, SN3 1AH

Free Events

Showcasing STFC
science and technology

Reaching for the Sun

The Science and Technology Facilities Council (the other STFC) based here in Swindon funds some of the most amazing and inspirational science and technology in the world. Starting in October 2018 we will run a series of public events to highlight the science realised here in Swindon.

The first talk by eminent solar physicist Dr Helen Mason OBE from the University of Cambridge will bring the Sun to Swindon...

The Sun, our star, is in a quiet phase of its eleven year activity cycle, but we can expect some spectacular action in a few year's time. Several solar space observatories have been watching the Sun over the past couple of decades: SoHO, Stereo, Hinode and the Solar Dynamics Observatory. NASA's Parker Solar Probe has just been launched, August 2018, and ESA's Solar Orbiter will be launched in 2020. These satellites will travel closer to the Sun than ever before. This talk will review what we have learnt about our dynamic Sun, in particular what we know (and don't yet know!) about sunspots, solar active regions and flares (huge explosions), and how the Sun affects the Earth's environment (space weather).



Credit: Solar Dynamics Observatory, NASA



Credit: Helen Mason



Illustration of Parker Solar Probe Credit NASA

Register at <https://www.eventbrite.com/e/bringing-science-to-swindon-reaching-for-the-sun-tickets-50591421303>