

Dec 8th 2009

Oxford Astrophysics Graduate Open Day

**φ^xford
physics**

The Department of Physics at the University of Oxford is home to a large community of astronomers, with sub-departments in Astrophysics and Theoretical Physics. Our research covers a wide range of subjects in theoretical and observational astrophysics. We also have a large technical development programme in optical, infra-red, radio and Terahertz instrumentation. The Department offers extensive computing facilities, several well equipped instrumentation laboratories and has a strong record for obtaining observing time on UK and international telescopes.

Galaxies and Cosmology

Observational Cosmology.
Galaxy Surveys.

Cosmological evolution of Active galaxies.
The environment of nearby active galaxies.
Supermassive black holes in galaxy nuclei.
Measuring Dark energy using Type Ia Supernovae.

Exoplanets

Detection and characterisation.
Transit spectroscopy.

Theoretical Astrophysics

The cosmic microwave background.
Galaxy Formation and dynamics.
Dark Matter.
The Milky Way.

Stellar Astrophysics

Supernovae.
The formation and evolution of X-ray binaries.
Stellar atmospheres.

The Interstellar Medium

Dust and gas in Galaxies.
Molecular clouds.
Star Formation.

Astronomical Instrumentation

Optical and Infrared wavelengths instrumentation.
Experimental radio and mm-wavelength cosmology.
U.K. Gemini telescope support group.

We are now accepting applications from suitably qualified students in physics, maths and engineering for our graduate programme leading to the degree of Doctor of Philosophy, beginning in October 2010. We typically admit 10-12 new graduate students each year, with 6-8 fully-funded STFC studentships available for eligible students. For full details of the application process and research projects available, please see our website at

www-astro.physics.ox.ac.uk

We will host an Open Day for prospective students on December 8th 2009, starting at 11.00 am in the Sciamia lecture theatre, Denys Wilkinson Building, Keble Rd, Oxford (for full details please see the website). Students from any University are welcome to attend.