



DIAS Summer School in High-Energy Astrophysics

19th – 29th June 2018
Dublin, Ireland

Aims:

The rapid and exciting progress in the emerging interdisciplinary field of High-Energy Astrophysics is attracting ever-growing numbers of students and young researchers. The DIAS Summer School is an intensive 10-day, 28-lecture, residential course that fills the gap between university education and university-level research by providing a coherent series of advanced lectures.

Topics:

- Multi-Wavelength Astronomy
- Observational and Theoretical Cosmology
- Particle Acceleration and Escape
- Non-Thermal Particle Transport
- Cosmic Ray Origins
- Radiative Processes in Astrophysics
- High-Energy, Non-thermal, Galactic and Extragalactic Sources

Invited Lecturers:

- | | | |
|-----------------|------------------|------------------|
| ➤ X. Barcons | ➤ R. Aloiso | ➤ G. Brunetti |
| ➤ J. Silk | ➤ S. Gabici | ➤ B. Reville |
| ➤ M. Khlopov | ➤ A. Watson | ➤ N. Bucciantini |
| ➤ M. Branchesi | ➤ Y. Uchiyama | ➤ S. Safi-Harb |
| ➤ A. Bykov | ➤ J. Hinton | ➤ R. Tuffs |
| ➤ M. Malkov | ➤ T. Piran | ➤ A. Taylor |
| ➤ P. Blasi | ➤ F. Vissani | ➤ P. Coppi |
| ➤ M. Lemoine | ➤ M. Burton | ➤ F. Rieger |
| ➤ D. Khangulyan | ➤ V. Bosch-Ramon | ➤ A. Neronov |

Location

The school is hosted at Dublin City University (DCU), a modern campus in North Dublin within easy reach of Dublin city centre, Dublin airport, and local transport hubs. Accommodation is provided on campus for school participants.



School Director: Felix Aharonian

Organising Committee:

Felix Aharonian, Masha Chernyakova, Jonathan Mackey, Andrew Taylor

<http://www.dias.ie/cappa/SummerSchool2018/>