

Winter School: High Energy Astrophysics (TBAE HEAP'26)

The TÜBİTAK Research Institute of Fundamental Sciences (TBAE) will organize the "High Energy Astrophysics (TBAE HEAP'26)" Winter School, to be held between 2-6 February 2026. This school aims to provide both the theoretical background and experimental insights necessary for students aiming to conduct research in high-energy astrophysics, while also supporting early-career and active researchers in the field. The program will cover lectures delivered by leading experts from universities and research institutes. Topics will include compact astrophysical objects, radiative processes in high-energy astrophysics, cosmic rays, gravitational waves, neutrino astronomy, observational techniques, telescope and detector technologies, and approaches to multi-wavelength and multi-messenger astronomy. The school will also feature special talks highlighting the latest research developments in these areas.

Scientific Committee:

Orkun Hasekioğlu (TBAE)
Mehmet Ali Alpar (Sabancı Uni.)
Kazım Yavuz Ekşi (ITU)
Tolga Güver (İstanbul Uni.)
Ersin Göğüş (Sabancı Uni.)
Ünal Ertan (Sabancı Uni.)
Tülün Ergin Gürcan (Wright State Uni.)

Organization Committee:

Orkun Hasekioğlu (TBAE)
Ekrem Oğuzhan Angüner (TBAE)
Erbil Can Artun (TBAE)
Bilal Kılıç (TBAE)
Selahattin Nesil (TBAE)

Lecturers:

Kazım Yavuz Ekşi (ITU)
Tolga Güver (İstanbul Uni.)
Kai Schwenzer (İstanbul Uni.)
Suat Özkorucuklu (İstanbul Uni.)
Ünal Ertan (Sabancı Uni.)
Ersin Göğüş (Sabancı Uni.)
Orkun Hasekioğlu (TBAE)
Emrah Kalemci (Sabancı Uni.)
Yamaç Pehlivan (MSGSU)
Emrah Tıraş (Erciyes Uni.)
Doğa Veske (METU)
Caner Ünal (METU)
Ali İhsan Kılıç (EOU)
Ekrem Oğuzhan Angüner (TBAE)
Gavin Rowell* (Uni. of Adelaide)
Giovanni Morlino* (INAF)
Pierre Cristofari* (Observatoire de Paris)
Benoît Cerutti* (Univ. Grenoble Alpes)
Tülün Ergin Gürcan* (Wright State Uni.)
Stephen DiKerby* (Michigan State Uni.)
Rishi Babu* (Michigan State Uni.)
Emma Carli* (Swinburne Uni. of Tech.)

* Online Lecturers

Application Requirements:

While the school is open to everyone, M.Sc. & Ph.D. students, and post-doctoral researches in related fields are strongly encouraged to apply and will be given priority for the face to face (F2F) participation.

- Strong background in Physics and Astronomy
- F2F application requires academic transcript(s)
- F2F participation is limited to 50 people

Online participation is available via Zoom.

- No prerequisites needed



Date & Location:

2 - 6 February 2026

TÜBİTAK Gebze Yerleşkesi,
Temel Bilimler Araştırma Enstitüsü

Application Deadline:

18 January 2026

TBAE HEAP'26 Web Page: <https://tbae.tubitak.gov.tr/high-energy-astrophysics-school/>

