

The TÜBİTAK Research Institute of Fundamental Sciences (TBAE) will organize the "Gravitation, Cosmology and Mathematical Physics (TBAE GCMP'25)" winter school between 03-07 February 2025. This school aims to provide the necessary theoretical foundations and educate students who plan to conduct research in gravitation, cosmology, and mathematical physics, as well as supporting researchers actively working in these fields. The courses will be delivered by expert instructors from various universities and institutes. In addition to covering core fundamental theoretical concepts such as Special/General Relativity, Cosmology, and the Mathematical Foundations of Gravitation, there will be special talks highlighting the latest research developments in these areas.

Scientific Committee:

Orkun Hasekioğlu (TBAE)
Ali Mustafazade (KÜ)
Bayram Tekin (ODTÜ)
Murat Özer (YTÜ)
Özgür Kelekçi (THKÜ)

Organization Committee:

Orkun Hasekioğlu (TBAE)
Rasim Ayar (TBAE)
Bilal Kılıç (TBAE)
Ahmet Fatih Mustaoğlu (TBAE)
Ekrem Oğuzhan Angüner (TBAE)
Erbil Can Artun (TBAE)

Lecturers:

İbrahim Semiz (BÜ)
Bayram Tekin (ODTÜ)
Özgür Açıık (AÜ)
Özgür Akarsu (İTÜ)
Çetin Şentürk (THKÜ)
Özgür Kelekçi (THKÜ)
Eoin O' Colgain (ATU)
Hermann Nicolai (MPIG)
Fethi Mübin Ramazanoğlu (KÜ)
Nihan Katırcı (DÜ - TBC)
Yaghoub Heydarzade (Bilkent - TBC)
Ivette Fuentes (US - TBC)
Emre Onur Kahya (İTÜ - TBC)

Application Deadline:

20 January 2025

Date & Location:

03- 07 February 2025
TÜBİTAK Gebze Yerleşkesi,
Temel Bilimler Araştırma Enstitüsü
Barış Mah. Dr. Zeki Acar Cad.
No:1 P.K. 21, 41470 Gebze / Kocaeli

Application Requirements:

M.Sc. & Ph.D. students, post-doctoral researches in related fields are strongly encouraged to apply and will be given priority for the F2F participation.

- Approval requires a transcript (M.Sc & Ph.D.)

For senior undergraduate students (F2F):

- Minimum number of semesters completed: 6

- Minimum GPA : 2.50

- Proven record of successfully taken courses:

Modern Physics

- Approval requires a transcript

Online participation is possible via Zoom.

- No prerequisites needed

Please visit <https://indico.desy.de/event/47124/> for the school program, and the application web page below for further details & school conditions.

Application Web Page:

<https://tbae.tubitak.gov.tr/tr/haber/gravitation-cosmology-and-mathematical-physics>