

**ICTS**INTERNATIONAL
CENTRE for
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Summer School on Gravitational-Wave Astronomy

This school is part of the annual series of ICTS summer schools on gravitational-wave (GW) astronomy. This year's edition will focus on using GW observations for cosmological exploration.

Courses

- **Probing the early universe using GW observations**
Chiara Caprini, CERN & University of Geneva (Online)
- **Cosmography using GW standard sirens**
Surhud More, IUCAA, Pune
- **Probing dark matter using GW observations**
Ranjan Laha, Indian Institute of Science, Bangalore
- **Probing large-scale structure using GW observations**
Tirthankar Roy Choudhury, NCRA, Pune

Eligibility criteria The school is primarily meant for graduate students and postdocs working in GW astrophysics, cosmology and related fields. A small number of highly motivated senior undergraduates can also be considered. A background in general relativity and cosmology is a prerequisite for the school.

ICTS is committed to building an environment that is inclusive, non-discriminatory and welcoming of diverse individuals. We especially encourage the participation of women and other underrepresented groups.

[Click Here to Apply](#)**7 — 18 July 2025****ICTS Bengaluru****Application deadline 30 Apr 2025**

Organisers

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