

- **School-cum-Workshop on Data Analysis in Cosmology and Astroparticle Physics**
  - Organized by [TIH](#), ISI Kolkata
  - **Event dates:** **August 23 - Sept 04, 2021**
  - **Mode:** online (link will be provided later on)
  - **Coordinator:** Supratik Pal, ISI Kolkata
  - **Major topics to be covered:** Data analysis techniques using different real-life and simulated data in Cosmology and Astroparticle Physics will be introduced, focusing mostly on (but not limited to) the following topics:
    - *Cosmic Microwave Background Observations*
    - *Large Scale Structure Observations*
    - *21 cm Cosmology*
    - *Physics of Dark Energy*

*There will be lectures and hands-on sessions on each topic.*

- **Tentative resource persons:** Tirthankar Roy Choudhury (NCRA-TIFR), Tuhin Ghosh (NISER), Dhiraj Kumar Hazra (IMSc), Suman Majumdar (IIT Indore), Surhud More (IUCAA), Anjan Ananda Sen (Ahmedabad University)
- **Eligibility criteria:**
  - PhD students actively working on Cosmology or Astroparticle Physics and/or data analysis in other branches
  - Young faculty members and Postdoctoral fellows workings/ aspiring to work on these fields
  - Final year Masters students who have some exposure to these fields
- **Prerequisites:**
  - Basic knowledge of Cosmology
  - Basic computational skills (Python/FORTRAN/C)
  - One desktop/laptop to take part in hands-on sessions
- **Course Fee:**
  - Rs. 2000/- + GST for Young faculty members and Postdoctoral fellows
  - Rs. 1000/- + GST for full-time research scholars/ advanced Masters students (with verified student status)
- **How to Apply:** Please fill up the accompanying [Google doc form](#)

[Form Link](#)

*There will be a shortlisting if the number of applicants is too high.*

Once the application is approved, the participants will be provided instructions on how to pay the registration fee. *Confirmation of participation will be sent only after that.*

- **Last date of application: August 06, 2021**
- **Last date for payment of registration fee: August 12, 2021**
- **Confirmation of participation: August 16, 2021**
- **Certificate:** A certificate of participation will be provided to all the candidates who will attend the entire program.
- **For further queries, please write to:** [tihschool.cosmo@gmail.com](mailto:tihschool.cosmo@gmail.com) or [k.swati\\_t@isical.ac.in](mailto:k.swati_t@isical.ac.in)