

Tata Institute of Fundamental Research, Mumbai Feb 12-25, 2023

The school provides a foundation in instrumentation in particle physics, and the role instrumentation plays in experiments to advance the field. The scientific program will integrate academic courses and state-of-art laboratory sessions by experts in detector R&D. In the laboratory courses students will work in small groups to execute selected experimental techniques. In addition to talks on well established technologies, several talks will be dedicated to new technologies and to applications in other branches of science. Lecture courses and hands-on experiments will be integral parts of the school.

- Standard Model Physics
- History of high energy physics in India / Asia
- LHC Physics
- Physics at B-factories
- Neutrino Physics
- Gravitational Wave Detion, LIGO
- Astro-particle physics including Cosmic Ray
- Electronics, Triggers and DAQ
- Accelerator Physics
- Silicon detector
- Gaseous detector

More information at <https://www.tifr.res.in/~icfa2023/>

Contact : icfa2023@tifr.res.in

Local Organizing Committee

- Gobinda Majumder, **School Director** (TIFR, Mumbai)
- Kajari Mazumdar (TIFR, Mumbai)
- Indranil Mazumdar (TIFR, Mumbai)
- Rudrajyoti Palit (TIFR, Mumbai)
- Varsha Chitnis (TIFR, Mumbai)
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- Gobinda Majumder (TIFR, India)
- Fabrice Retière (TRIUMF, Canada)
- Hongbo Zhu (IHEP, China)

Online applications are invited from Ph.D. students in experimental HEP, who are in the early phase of their research career along with two recommendation letters.

Last Date for Application : 31st October, 2022