



# Welcome to ICTP

## Prof Atish Dabholkar

**Physics Without Frontiers 2023 Annual Meeting**

30 November 2023



The Abdus Salam  
**International Centre  
for Theoretical Physics**  
Physics Without Frontiers



IAEA  
International Atomic Energy Agency



unesco  
United Nations  
Educational, Scientific  
and Cultural Organization

# The International Centre for Theoretical Physics



- ICTP was founded 1964, Trieste, created during cold war in the heart of Europe – a continent separated by the iron curtain
- Provided a line of communication between East and West, and cooperation between North and South
- Aiming to support scientists from developing countries overcome isolation and contribute to state-of-the-art research in physics and mathematics

# The International Centre for Theoretical Physics

The screenshot displays the ICTP website interface. On the left, there is a hero section with an aerial view of the center and the text: "An international hub for scientific cooperation" and "DISCOVER ICTP →". The main content area is titled "Ongoing events" and features two event cards. The first card is for "SCIENTIFIC ACTIVITY" from 23 NOV 2023 to 25 MAR 2024, titled "PWF Nepal - Holographic Himalaya" in the "Physical" category. The second card is for "SCHOOL" from 20 NOV 2023 to 01 DEC 2023, titled "Joint ICTP-IAEA School on Systems-on-Chip Based on FPGA for Scientific..." in the "Physical" category. A "DISCOVER ALL EVENTS" button is at the bottom. On the right, a vertical list of research areas is shown: HECAP (HIGH ENERGY, COSMOLOGY AND ASTROPARTICLE PHYSICS), CMSP (CONDENSED MATTER AND STATISTICAL PHYSICS), MATH (MATHEMATICS), ESP (EARTH SYSTEM PHYSICS), QLS (QUANTITATIVE LIFE SCIENCES), and STI (SCIENCE, TECHNOLOGY AND INNOVATION).

*Each year, ICTP brings together more than 6,000 world-leading and early career scientists from more than 150 countries to participate in advanced workshops and conferences that explore topics at the cutting edge of physics and mathematics.*

ICTP is a hub for global scientific excellence

- world-class research in frontier areas of science
- high-level scientific programmes especially in support of excellence in the developing world
- science advocacy and international for scientists from all countries

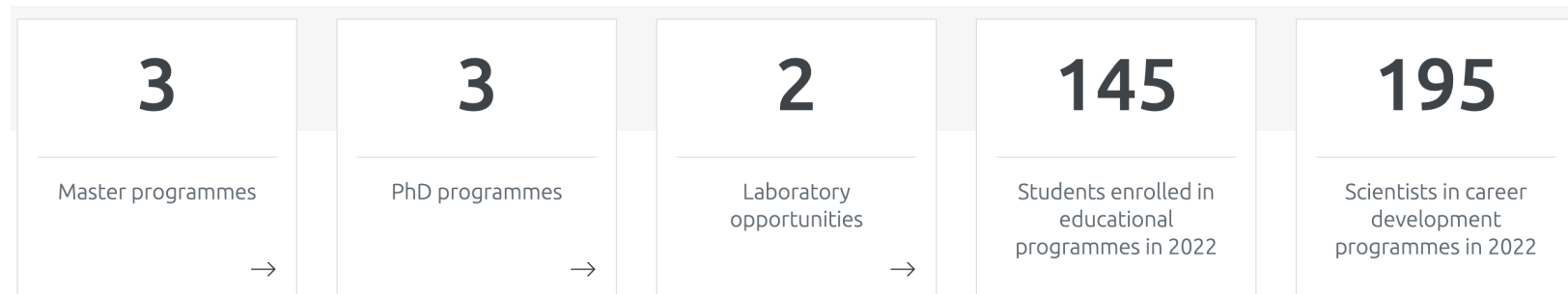
# Educational Programmes and Career Development Programmes

## EDUCATIONAL PROGRAMMES

- Postgraduate Diploma Programme
- Master's Programmes
- PhD and Sandwich Programmes

## CAREER DEVELOPMENT PROGRAMMES

- Laboratory Opportunities
- Associates Programme
- Postdoctoral Opportunities



# Postgraduate Diploma Programme



An intense, pre-PhD [programme](#) for talented students that prepares them [for PhD studies](#).

Open to young qualified graduates with MSc (or an exceptionally good BSc) in physics or mathematics.

Duration 1 year, from 1 September to 31 August, [10 full scholarships](#) available in each research section

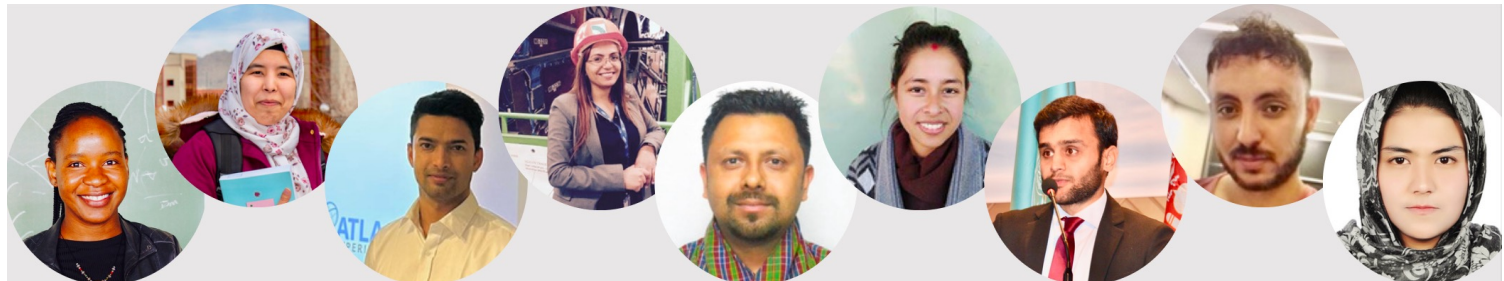
[Apply by end February 2024](#)

Full details: <https://diploma.ictp.it/>

# ICTP Global Outreach: **Physics Without Frontiers**



ICTP's **Physics Without Frontiers** organises university-level training and engagement programmes in countries in the Global South working with **volunteer scientists**, who are PhD students, postdoctoral researchers, or lecturers from all over the world, who are passionate about **promoting and supporting physics and mathematics worldwide**.



# Physics Without Frontiers 2023 Annual Meeting



## Physics Without Frontiers Annual Meeting 2023

Convener: Kate Shaw (ICTP)

- 14:00 **Welcome Address 5'**  
Speaker: Dabholkar Atish (ICTP - Director)
- 14:06 **Strategy and impact of Physics Without Frontiers 5'**  
Speaker: Bobby Samir Acharya (Ictp)
- 14:12 **Synchrotron Physics and X-ray Imaging Techniques Roadshow in Zimbabwe 10'**  
Speaker: Kudakwashe Jakata (The Diamond Light Source, UK)
- 14:24 **Reaching out and teaching theoretical physics online across Latin America 10'**  
Speaker: Daniel Galviz (YMSC - Tsinghua University, China and ICTS - Tata Institute of Fundam)
- 14:36 **Fighting Climate Change - a PWF School in Cameroon 10'**  
Speaker: Komkoua Mbienda Armand (University of Dschang, Cameroon and ICTP Associate)
- 14:50 **Teaching and promoting medical physics in the Kurdistan region in Iraq 10'**  
Speaker: Fabrizio Scopelliti (Cannizzaro Emergency Hospital, Catania)
- 15:02 **Computational material Science in Rwanda 10'**  
Speaker: Abhishek Kumar ADAK (ICTP)
- 15:14 **BioPhysics in Kenya 10'**  
Speaker: Daniel Shadrack (Nelson Mandela Institute of Science Technology, Tanzania)
- 15:26 **EPIC 3: The Frontiers of Computational Physics in Ecuador 10'**  
Speaker: Hernán Andrés Morales-Navarrete (Universität Konstanz, Germany)
- 15:40 **Holographic Himalaya in Nepal, Online Journal club 10'**  
Speaker: Kiran Adhikari (Technical University of Munich, Germany)
- 15:54 **Summary and future outlook 5'**  
Speaker: Ralf Kaiser (ICTP - Senior Coordinator, Programme and Advancement)
- 15:59 **Reception 4-5pm 1'** (LB Lobby)

[indico.ictp.it/event/10543/](https://indico.ictp.it/event/10543/)