

PHYSICS WITHOUT FRONTIERS

THE INTERNATIONAL CENTRE FOR
THEORETICAL PHYSICS (ICTP)
FLAGSHIP INTERNATIONAL OUTREACH
PROGRAMMES



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



Physics for all

Physics Without Frontiers

ICTP Physics Without Frontiers works to **teach**, **train**, and **inspire** physics and mathematics university students worldwide, with focus on countries in the Global South, to **help build the next generation of scientists**. Each project is unique, developed with the country's specific needs in mind.



Physics Without Frontiers

Aims of the Project

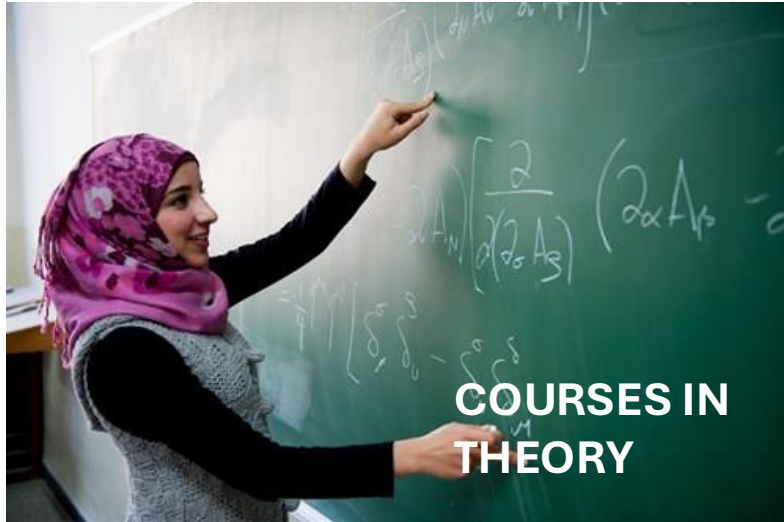
- To expose and introduce **new ideas in physics** to undergraduate and master students, provide courses and **training in key analysis and transferable skills**
- To identify **strong students**, provide mentoring and support for further study and career
- To connect with scientists, support them with **international opportunities** and collaboration
- Bring awareness to the **university and policy makers** to the importance of supporting physics departments and ultimately research



Physics Without Frontiers

Types of Activities

We promote **enquiry-based learning**, **interactive teaching** and **skill development**. Many projects utilise **hands-on training** often using **real experimental datasets**.



We are a Network of Volunteers



At the heart of Physics Without Frontiers is our international volunteer network of passionate physicists most of whom are from the Global South.

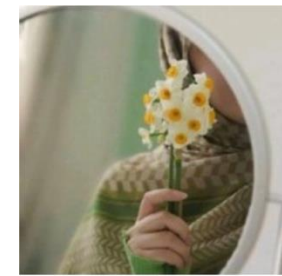
Physics Without Frontiers

Reaching under-represented groups

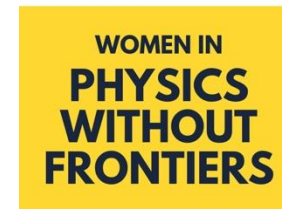
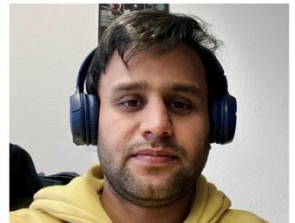
*Physics Without Frontiers is about **breaking down barriers** to accessing physics and mathematics training and research for students in the Global South and, in particular, those from **less represented groups***

We work to bring physics to each corner of the Globe

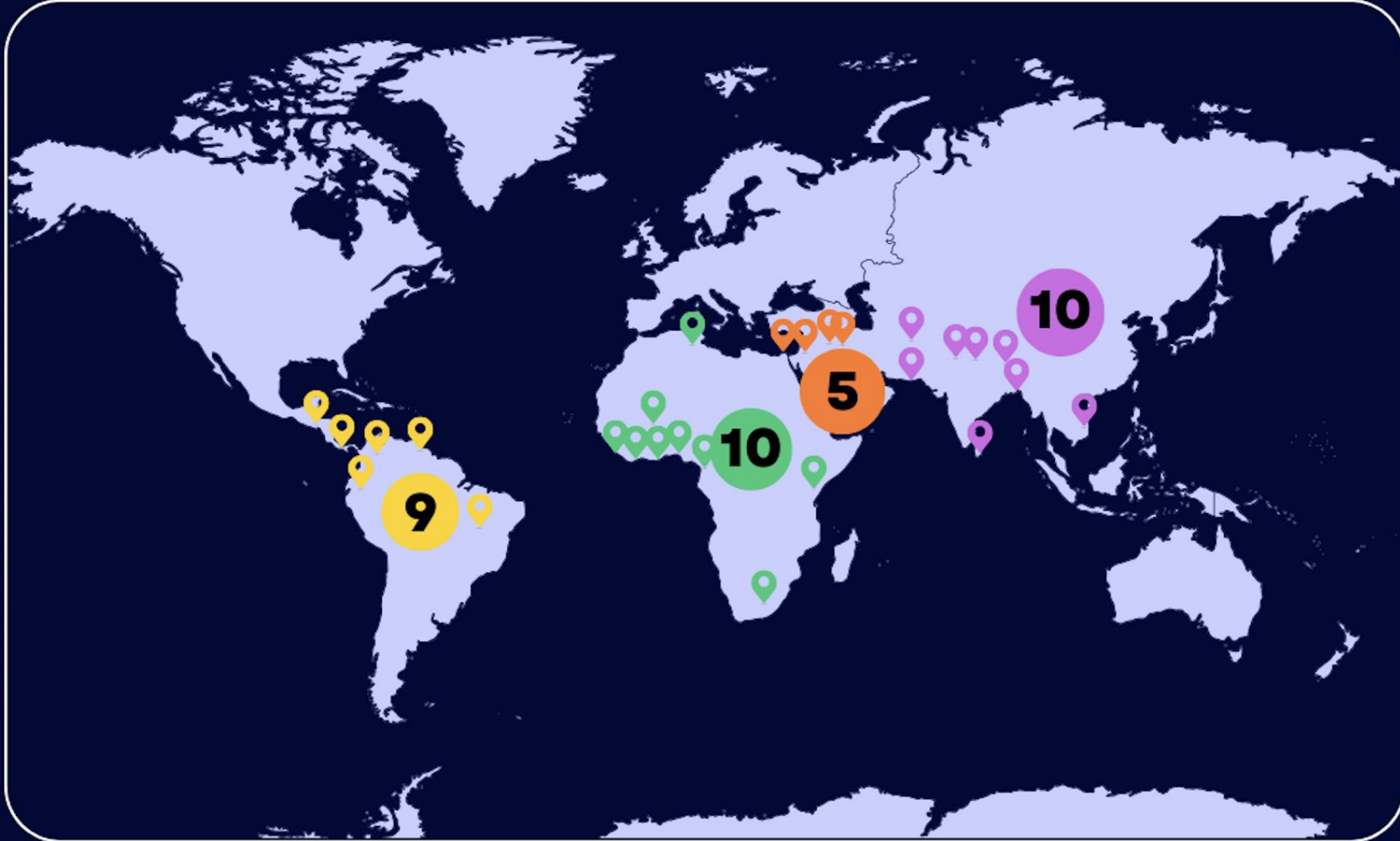
- **Economic Frontiers:** Low-income countries, and countries with less developed science infrastructures
- **Social Frontiers:** Women and girls, under-represented ethnicities
- **Geographical Frontiers:** Rural and remote regions
- **Sociopolitical Frontiers:** Countries in conflict or political or economical turmoil



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PHYSICS WITHOUT FRONTIERS 2025



Physics Without Frontiers



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APPLY to our call for proposals:
ictp.it/home/physics-without-frontiers-apply