

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

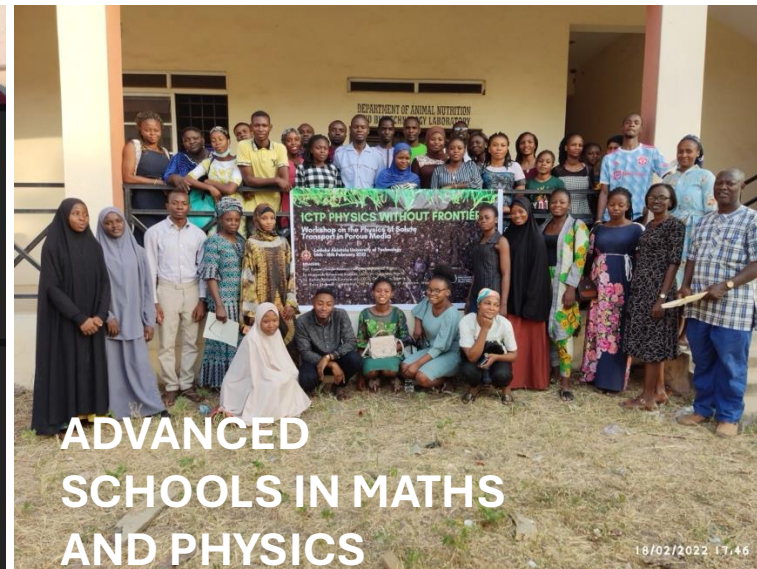
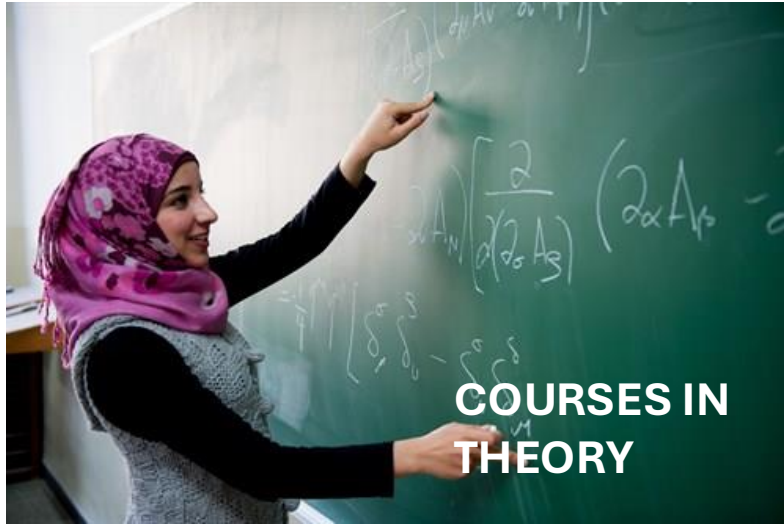
Aims of the Project

- 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.*



Physics Without Frontiers

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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