



Physics Without Frontiers: Our Programs

The ICTP Physics Without Frontiers program works to inspire, train and motivate physics and mathematics university students to help build the next generation of scientists. Each project is unique, developed with the country's specific needs in mind.

Inspire and Motivate

Train and Educate









Public
Outreach
Secondary Schools
& the Public

Masterclass
Roadshows
Undergraduate &
Master students

Schools and Workshops Undergraduate & Master students

University
Courses
Undergraduate &
Master students

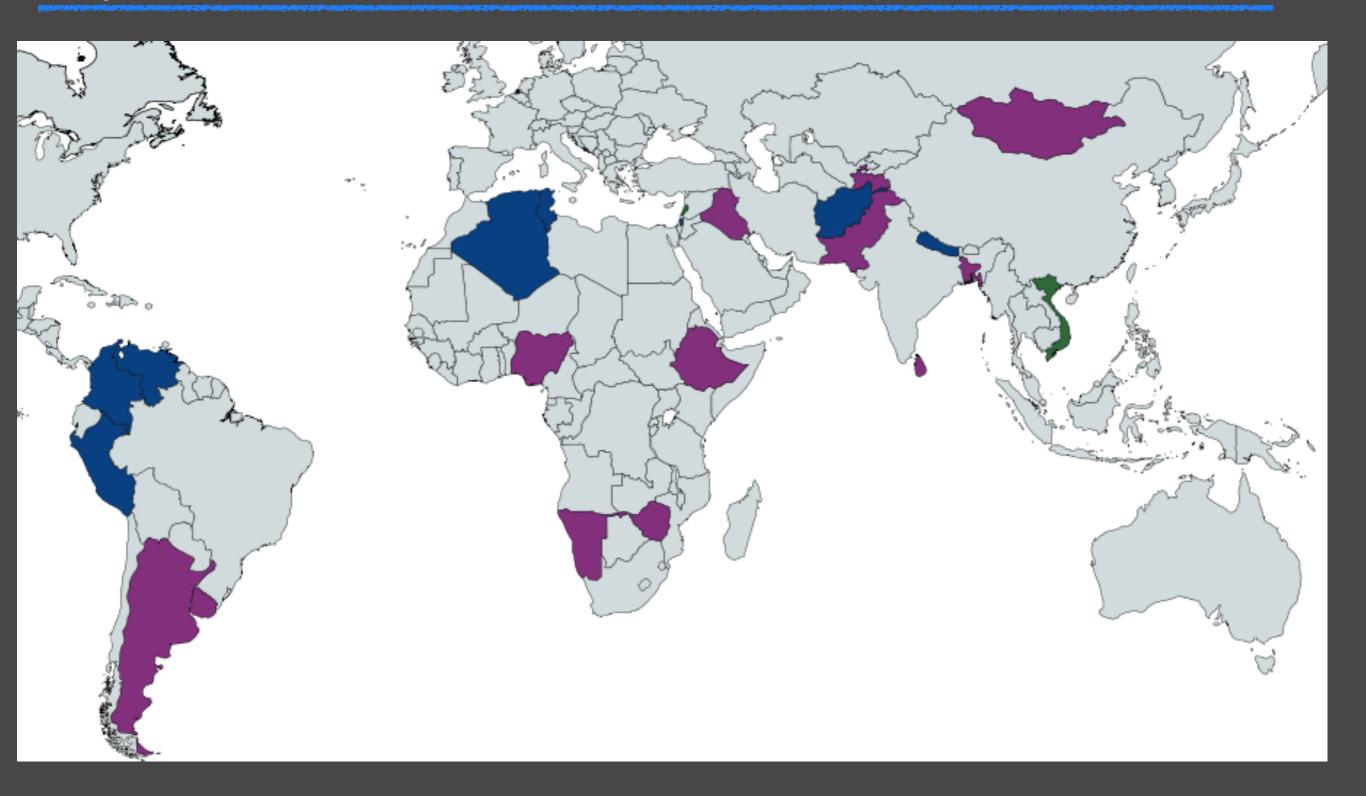
Network and Collaborate Sustained Mentoring



Volunteers from the host country and internationals



Physics Without Frontiers: Our project partners...





Physics Without Frontiers: Inspire and Motivate!

One Day Masterclasses

- Run by young scientists from the country working abroad
- Bring research to students using real data
- Inspires and motivates students to go on to further study
- Careers session helps with opportunities and applications
- Connects young scientists back to home institutes stimulating networking and collaboration





Latin-America wide







Physics Without Frontiers: Train & Educate

Workshops and Schools

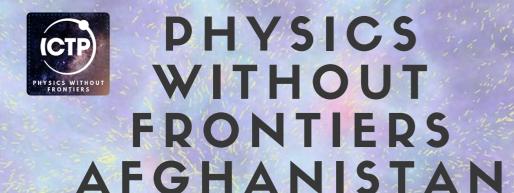
- Trainings and lectures in specific areas they have less access
- Careers session helps with opportunities and applications
- Lectures travelling to meet the students and professors can stimulate *networking and collaboration*





Physics Without Frontiers: Afghanistan (2018+)

INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS



HIGH ENERGY PHYSICS WORKSHOP

KABUL UNIVERSITY
SATURDAY 31 MARCH - SUNDAY 1 APRIL 2018
PHYSICS FACULTY, LECTURE ROOM 1

PWF is organising a workshop in high-energy physics at Kabul University, Afghanistan. The program is designed for 3rd and 4th year undergraduate physics students throughout the region, to introduce the field and research topics with a focus on cosmology and particle physics.

PEGISTER AT: http://bit.ly/2tHjim3

DEADLINE 22 MARCH 2018

ORGANISED BY ICTP PWF, WITH:

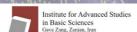
BAKTASH AMINI (KABUL UNIVERSITY, ICTP PWF AFGHANISTAN COORDINATOR)

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ENCIEH ERFANI (INSTITUTE FOR ADVANCED STUDIES IN BASIC SCIENCES)











Physics Without Frontiers: Afghanistan (2018+)





PWF: 5-day Winter School Nepal (2013 - 2018)







Physics Without Frontiers: Train & Educate

University courses

- We work with universities that are unable to teach specific courses due to a lack of resources
- Lecturers and teaching assistants work at selected university stimulate networking and collaboration
- Continued mentoring is provided to students to support applications for further study





Physics Without Frontiers University Courses

Particle Physics Course: Palestine (2013 - 2018)







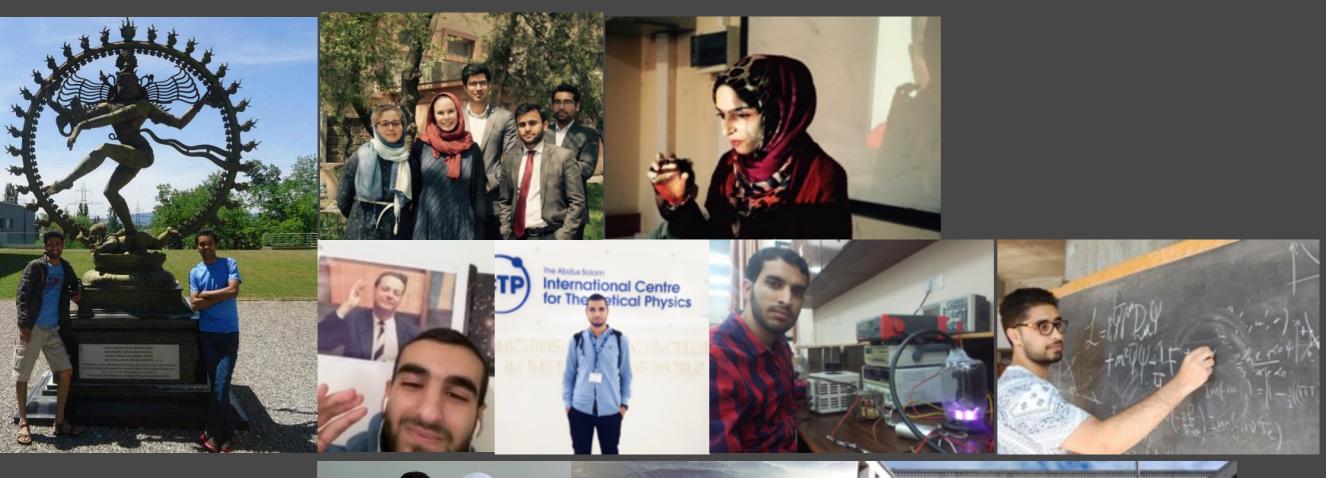






Numerical Methods Course: Nepal (2016)

Network & Collaborate, Sustained mentoring





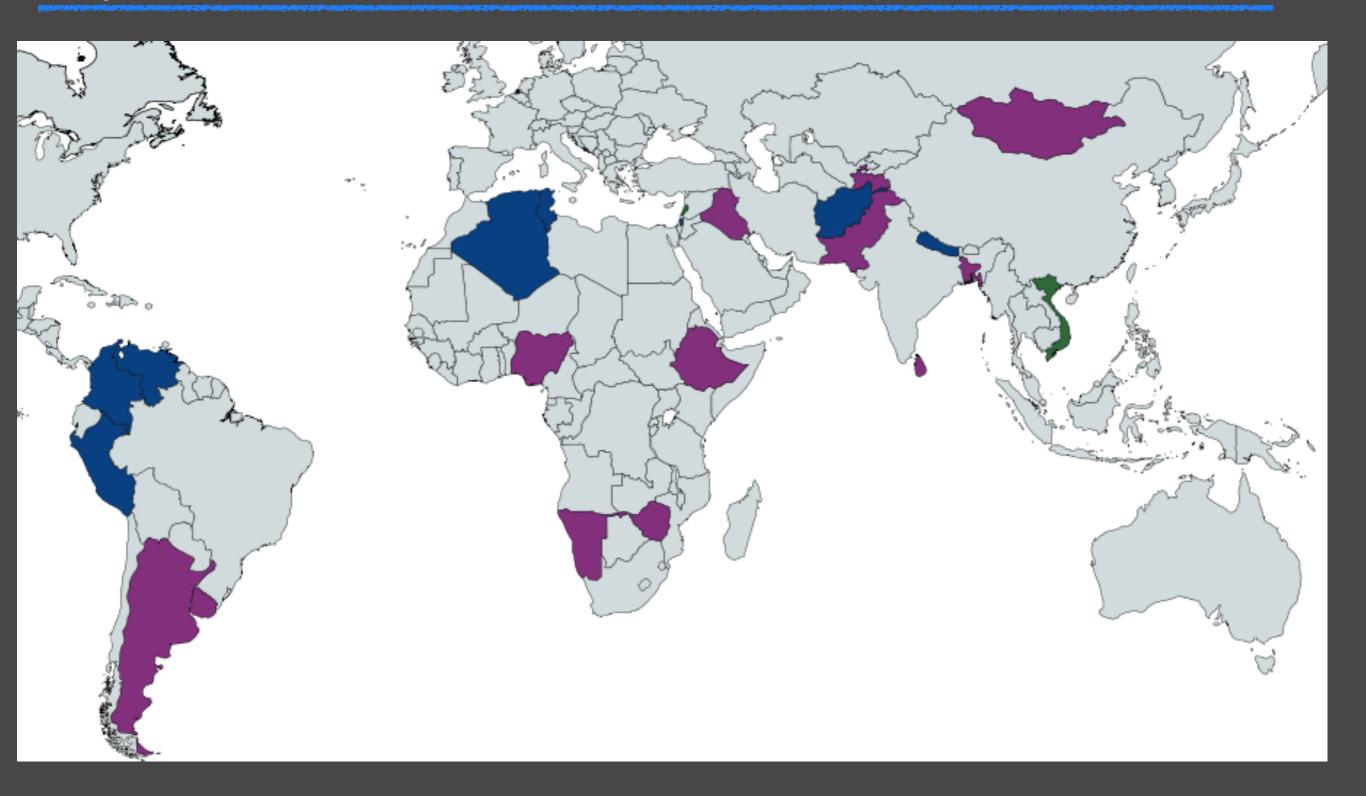








Physics Without Frontiers: Our project partners...



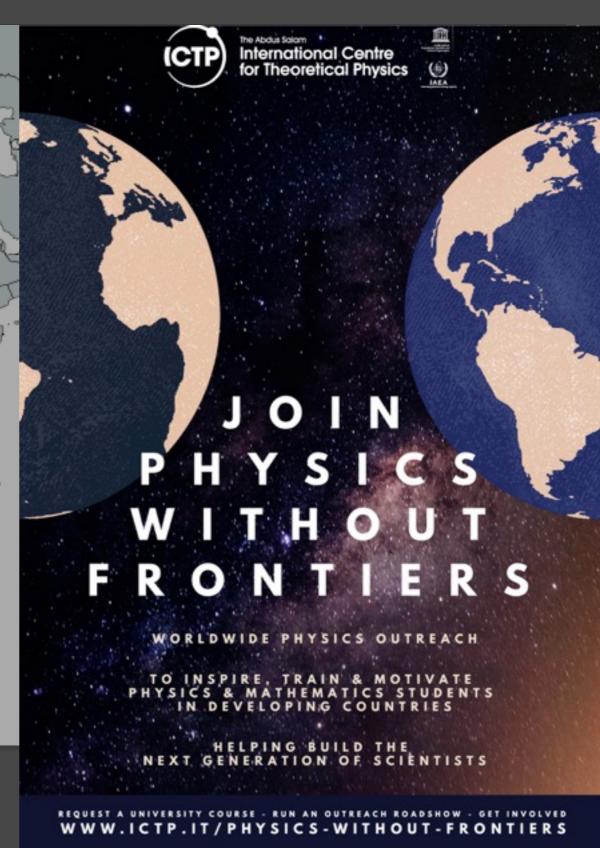


Physics Without Frontiers

Let us know if you have ideas for projects

Get in touch

- physicswithoutfrontiers@ictp.it
- Twitter/Facebook/Instagram
 - @ictpPWF
- Website https://www.ictp.it/
 physics-without-frontiers.aspx





Back Up

Aims of the Project

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

Back Up







