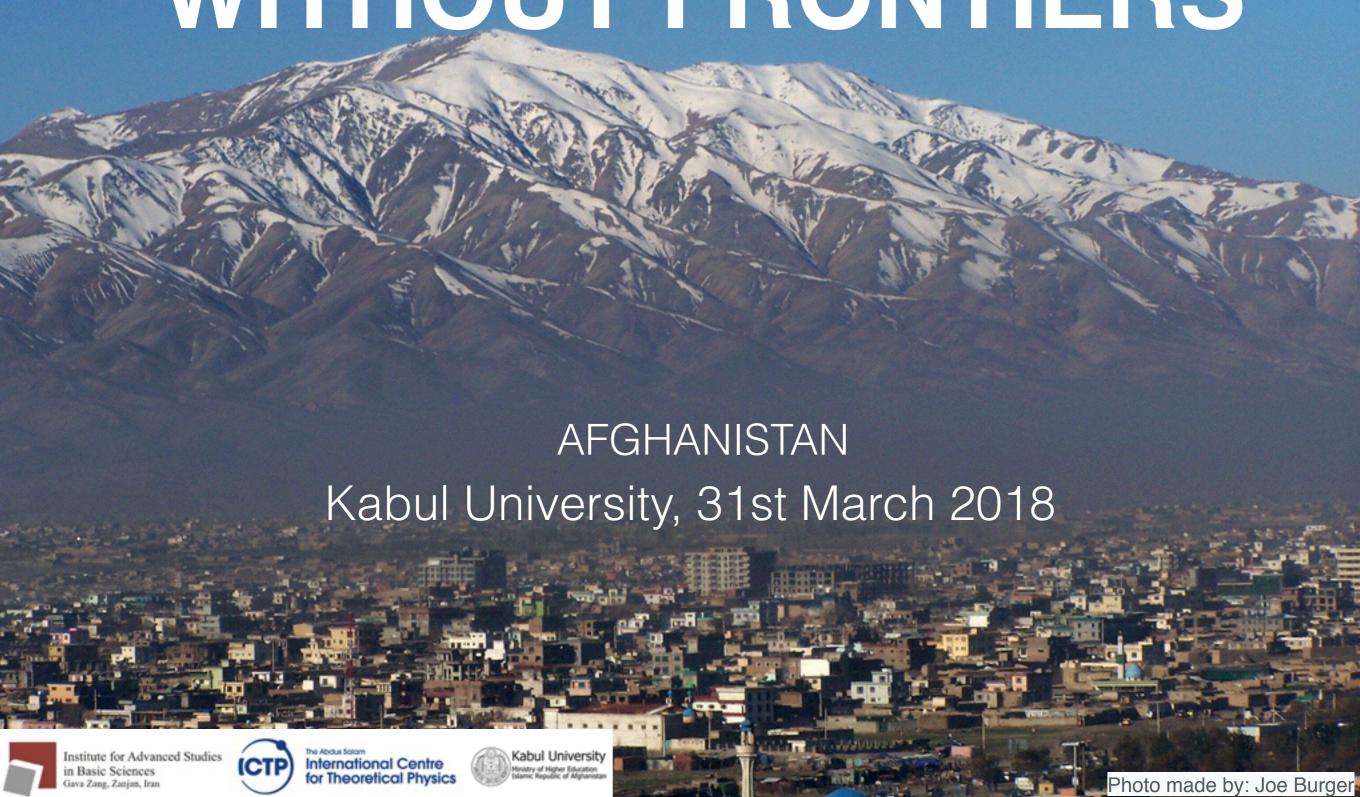


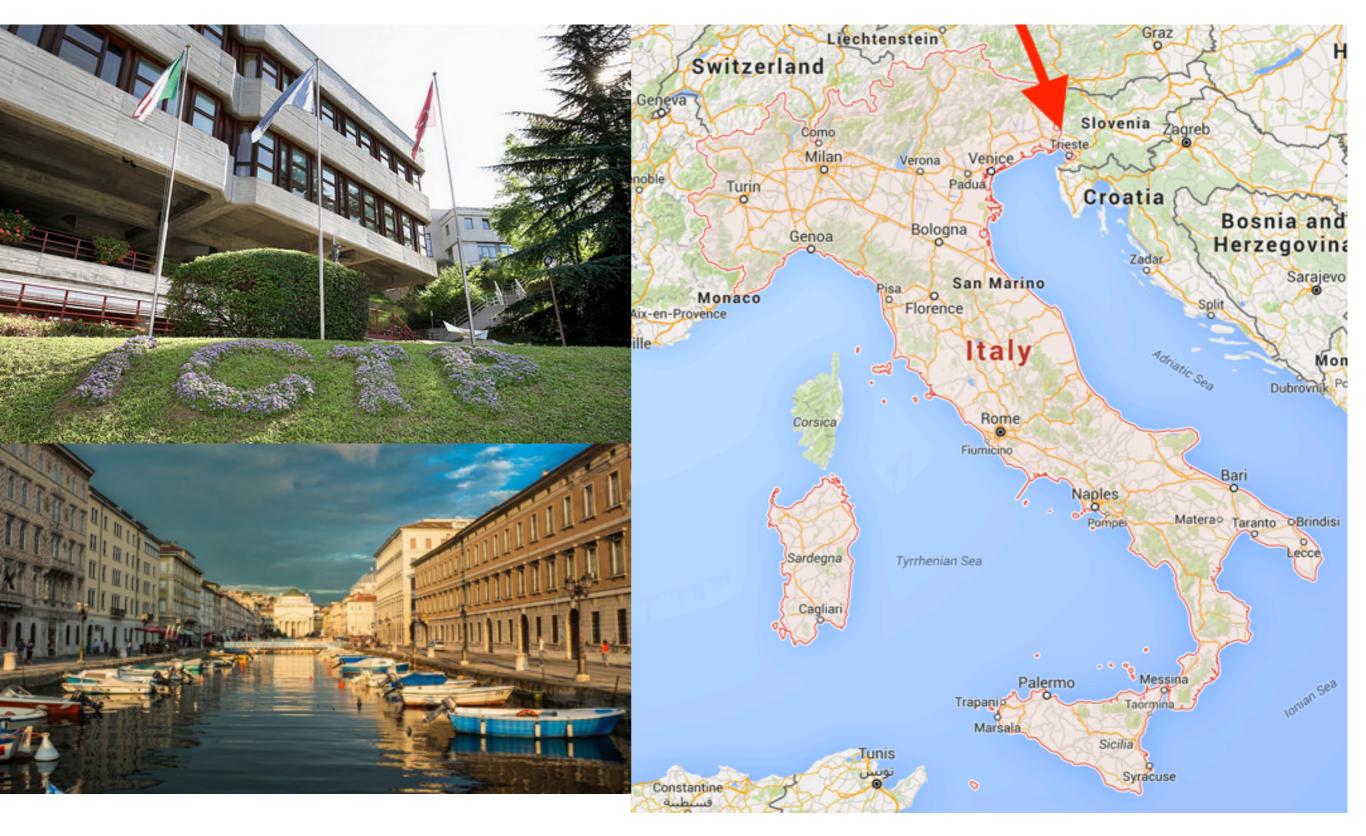
Gava Zang, Zanjan, Iran

ICTP PHYSICS WITHOUT FRONTIERS

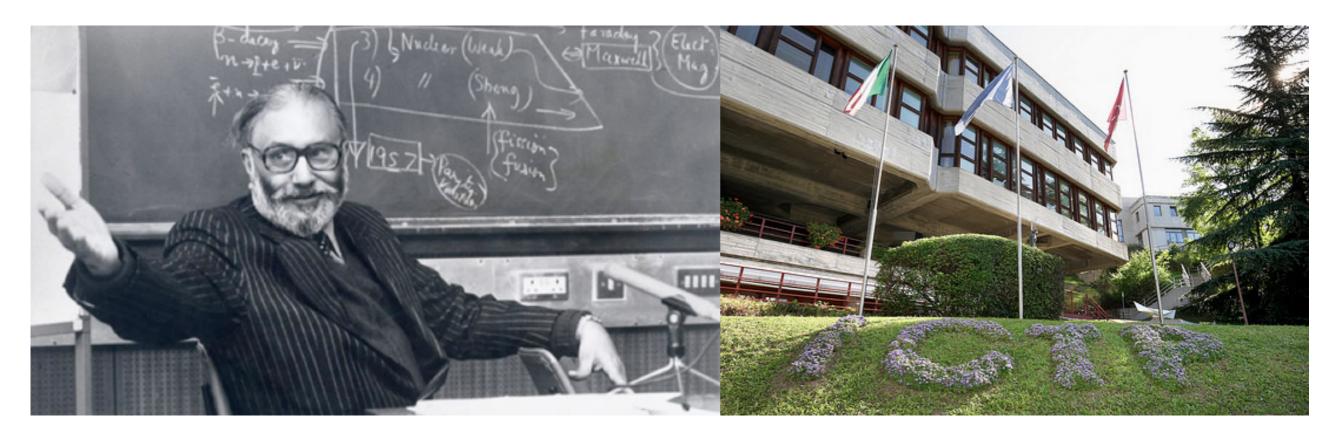




Trieste, Italy







Abdus Salam shared the 1979 Nobel Prize in Physics for his contribution to electroweak unification

In 1964, Salam founded the International Centre for Theoretical Physics (ICTP), Trieste, in the North-East of Italy and served as its director until 1993.

ICTP emerged as a focal point of cooperation between the North and South, aiming to help scientists from developing countries overcome their isolation and contribute to state-of-the-art research in physics and mathematics.



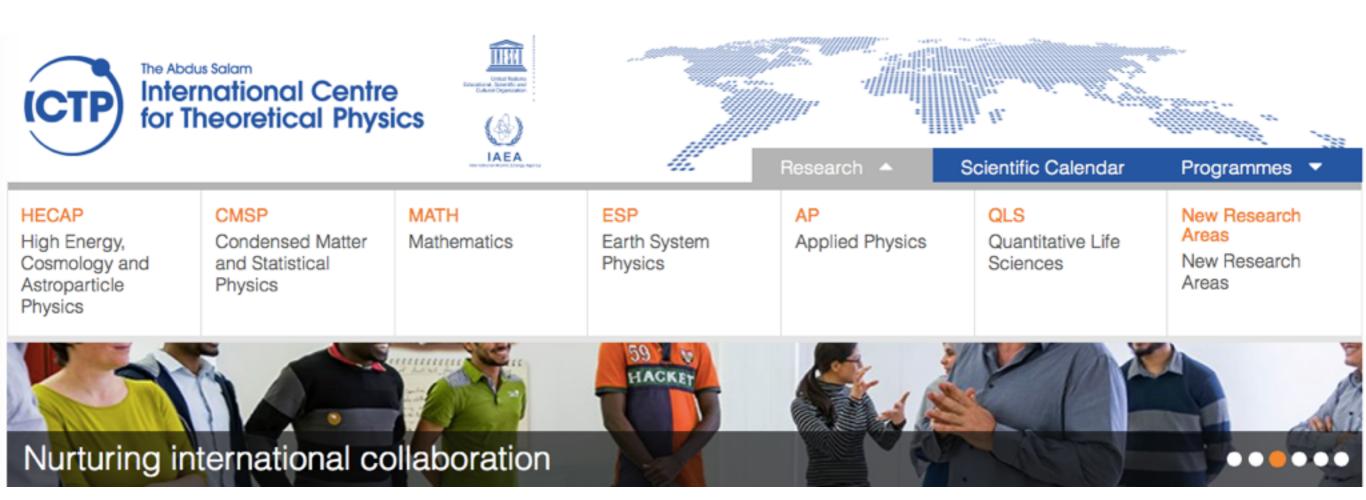


ICTPs mission is to

- ·Conduct research at the highest international standards
- •Foster the growth of research in physical and mathematical sciences especially in support of excellence in developing countries
- Develop high-level scientific programmes keeping in mind the need of developing countries and provide an international forum of scientific contact for scientist from all countries



www.ictp.it



Programmes

- Postgraduate diploma
- ICTP/IAWA Sandwich training programme
- Range of joint master and PhD programmes
- Associates scheme
- Laboratory opportunities



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PRE-PHD PROGRAMMES	DEGREE PROGRAMMES	CAREER DEVELOPMENT	LABORATORY OPPORTUNITIES	SCIENTIFIC OUTREACH
ICTP Postgraduate Diploma Programme	Joint ICTP/SISSA PhD Programme in Physics and Mathematics	Conferences, workshops and schools	Training and Research in Italian Laboratories ICTP-ELETTRA Users Programme	Office of External Activities
ICTP/IAEA Sandwich Training Education Programme		Junior Associates		ICTP Partner Institutes
	Joint PhD Programme, Earth Science and Fluid Mechanics			Science Dissemination Unit
		Regular Associates	ICTP Laboratories	African Review of Physics
	Physics PhD Program	Senior Associates		ICTP in East Africa
	Joint Masters in Physics	Federated Institutes		
	Joint ICTP/Collegio Carlo Alberto Program in Economics	OFID Postgraduate Fellowship		Physics Without Frontiers
		The Kuwait Programme at ICTP		
	International Master, Physics of Complex Systems			
	Master of Advanced Studies in Medical Physics			
	Masters in High Performance Computing			



www.ictp.it

ICTP Science Dissemination Unit http://ejds.ictp.it/ejds/

Home > Programmes > Scientific Outreach > Science Dissemination Unit

SCIENTIFIC OUTREACH

Office of External Activities

ICTP Partner Institutes

Science Dissemination Unit

African Review of Physics

Physics Without Frontiers

Science Dissemination Unit

Bridging the digital and knowledge divide

ICTP's Science Dissemination Unit (SDU) researches and develops innovative, low-cost information and communication technology solutions for developing countries, and disseminates science texts via electronic media. Ongoing SDU activities include the development and maintenance of the award-winning "Enhance your Audience", or EyA, system, which webcasts all physics and mathematics lectures given through ICTP's Diploma Programme, as well as selected ICTP conferences and workshops.

The SDU also addresses skill shortfalls of staff in universities, research centres, scientific academies and ministries of science and technology throughout the developing world by providing free access to scientific literature and advanced training in ICT, both on-site and in Trieste.

The SDU established the Scientific FabLab ("fabrication laboratory") on August 12, 2014 a space devoted to creativity and research with a focus on applications in the fields of science, education and sustainable developemt that can benefit society.

More details about SDU's activities are on its website.





Home > Physics Without Frontiers

Physics Without Frontiers

Worldwide physics outreach

PWF UNIVERSITY COURSES

PWF WORKSHOPS AND SCHOOLS

PWF MASTERCLASS ROADSHOWS

GET INVOLVED AND APPLY

NEWS

PWF CURRENT PROJECTS

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PHYSICS WITHOUT FRONTIERS BROCHURE

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



Projects are organised by PhD students, postdoctoral reseachers and lecturers, passionate to promote physics and mathematics in developing countries. If you are interested in getting involved contact us at physicswithoutfrontiers@ictp.it.

Contacts: 😲 📞 🖂

The program includes:

PHYSICS WITHOUT FRONTIERS UNIVERSITY COURSES: Physics Without Frontiers partners with physics and mathematics departments that are unable to teach specific courses due to a lack of resources. Faculty members at universities are invited to request courses. More information can be found here.

PHYSICS WITHOUT FRONTIERS WORKSHOPS AND SCHOOLS: Organised at a given university for local undergraduate and master students, Physics Without Frontiers organises intense pedagogical workshops and schools, to expose and train the students in research fields they lack access to. More information can be found here.

physics without frontiers masterclass roadshows: Masterclass roadshows are organised by groups of young researchers, passionate about advocating their research field back in their home country. The roadshow centres around intensive 'masterclasses' in universities across the host country, in addition to numerous outreach and public events. Working groups are invited to submit an application for their project. More information can be found here.



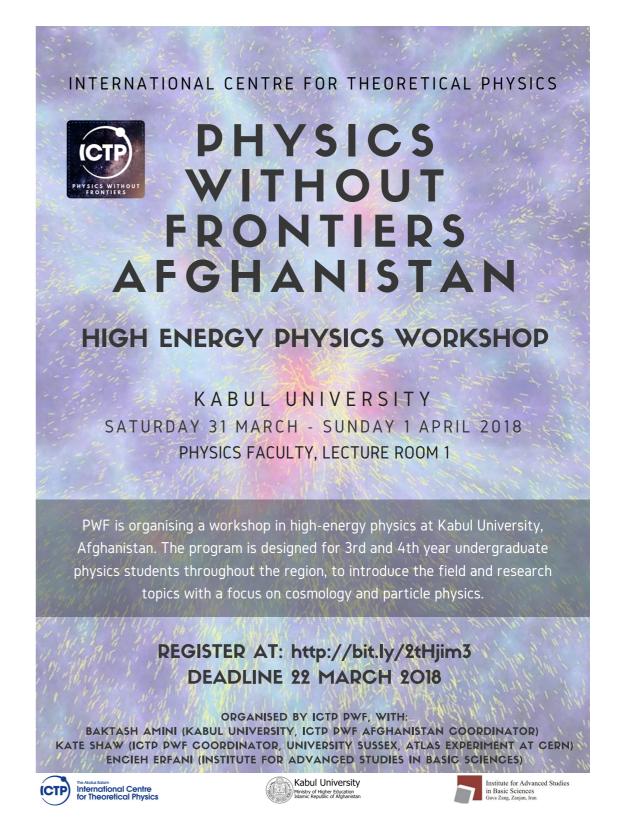
PHYSICS WITHOUT FRONTIERS: AFGHANISTAN

Work to promote physics in Afghanistan and support university physics department and faculty

- organise activities
- support in curriculum
- access to internal conferences and workshops

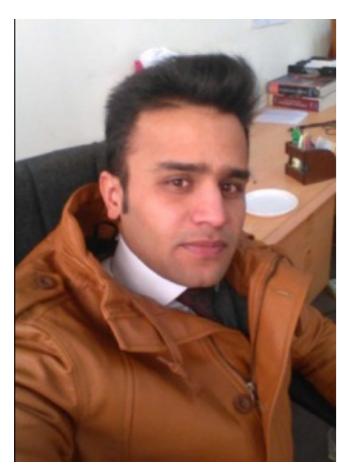
Coordinator will cooperate with ICTP and other international partners such as CERN, support physics nation-wide

Hope to support universities to do physics outreach to high schools





PHYSICS WITHOUT FRONTIERS: AFGHANISTAN





PWF HEP Workshop Local organiser Jawad Ahmadi (Kabul University)

PWF Afghanistan Coordinator Baktash Amini (Kabul University)

PWF HEP Workshop Local organiser Ahmad Sajad Narzari (Kabul University)



Kate Shaw ICTP, University Sussex



Dr Encieh Erfani IASBS, Zanjan



Guest Speaker: Wakil Sarfaraz University Sussex



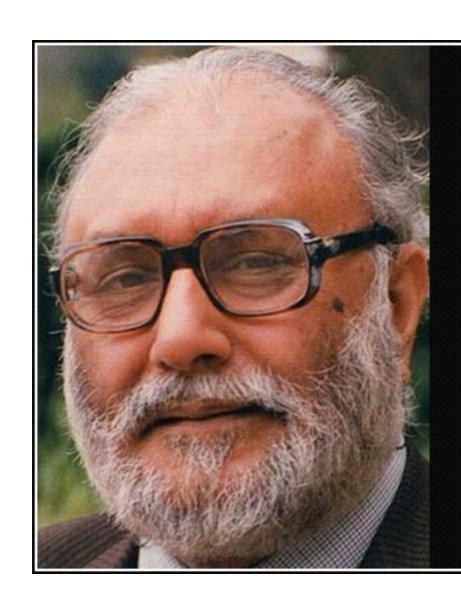
Saturday, 31 March 2018

08:30 - 09:00	Registration
09:00 - 10:30	Opening Session
10:30 - 11:00	Break
11:00 - 12:30	Introduction to High Energy Physics Convener: Kate Shaw (Ictp)
12:30 - 14:00	Break and Group Photo
14:00 - 15:30	A little history of the Universe Convener: Dr. Encieh Erfani (Institute for Advanced Studies in Basic Sciences)
15:30 - 16:00	Break
16:00 - 17:30	An Introduction to Particle Physics Convener: Kate Shaw (Ictp)
17:30 - 18:00	Latex and academic papers Convener: Mr. Wakil Sarfaraz (University of Sussex)

Sunday, 1 April 2018

09:00 - 10:30	Developments in Cosmology Convener: Dr. Encieh Erfani (Institute for Advanced Studies in Basic Sciences)
10:30 - 11:00	Break
11:00 - 12:30	Discovering Fundamental Particles with the Large Hadron Collider at CERN Convener: Kate Shaw (Ictp)
12:30 - 14:00	Break and Film: Particle Fever
14:00 - 15:30	Where we stand Exploring the Universe Convener: Dr. Encieh Erfani (Institute for Advanced Studies in Basic Sciences)
15:30 - 16:00	Break
16:00 - 17:30	The hunt for DARK MATTER Conveners: Kate Shaw (Ictp), Dr. Encieh Erfani (Institute for Advanced Studies in Basic Sciences)
17:30 - 18:00	Careers Session
18:00 - 18:30	Certificates & Goodbye





Scientific thought and its creation is the common and shared heritage of mankind.

— Abdus Salam —

AZ QUOTES