



The Abdus Salam  
**International Centre  
for Theoretical Physics**

# **PWF-Afghanistan Collaboration**

Afghan Physics Students Conference 2024

Baktash Amini  
ICTP PWF Coordinator for Afghanistan  
10, September 2024

**universität freiburg**



# How it began?

1st CERN SAHEPI Workshop,  
2017, Kathmandu Uni, Nepal



**Dr. Archana Sharma**  
Senior Scientist at CERN



**Ms. Abha ELi**




**Dr. Steven Goldfarb**  
Physicist at University of  
Melbourne



**Dr. Kate Shaw**  
ICTP PWF Coordinator



INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS



# PHYSICS WITHOUT FRONTIERS AFGHANISTAN




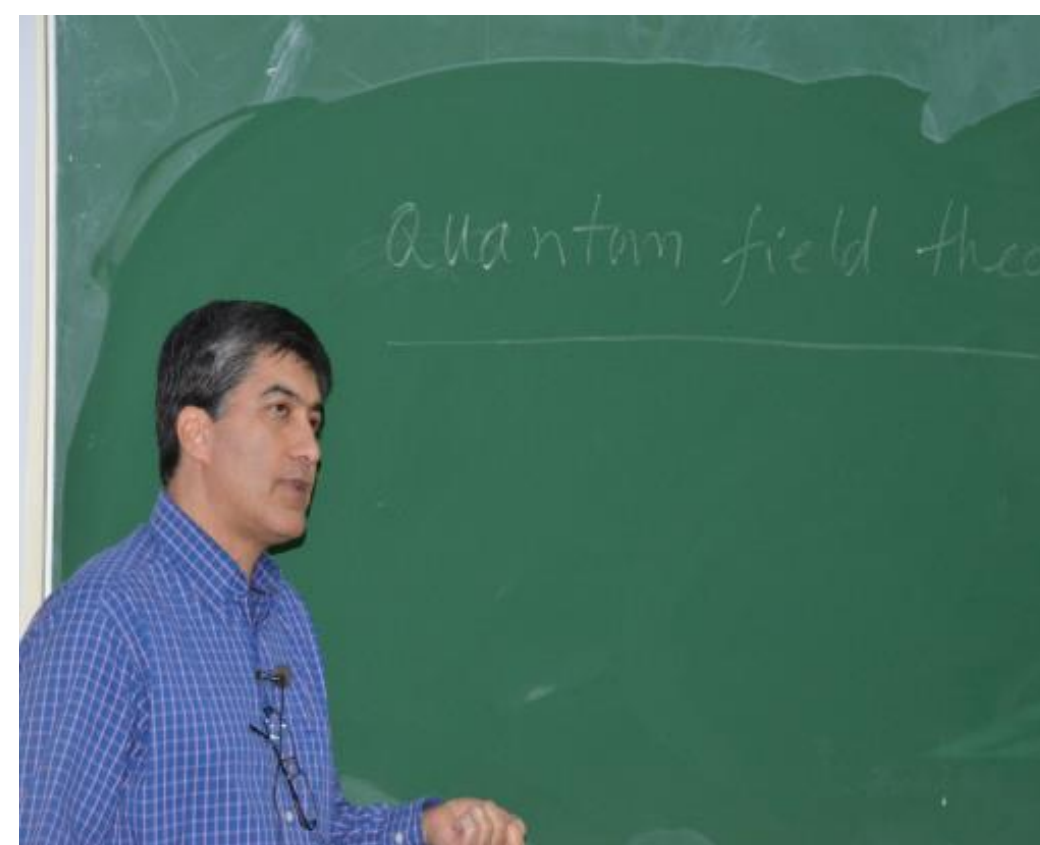
## HIGH ENERGY PHYSICS WORKSHOP

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.

REGISTER AT: <http://bit.ly/2tHjm3>  
DEADLINE 22 MARCH 2018

ORGANISED BY ICTP PWF, WITH:  
BAKTASH AMINI (KABUL UNIVERSITY, ICTP PWF AFGHANISTAN COORDINATOR)  
KATE SHAW (ICTP PWF COORDINATOR, UNIVERSITY SUSSEX, ATLAS EXPERIMENT AT CERN)  
ENCIEH ERFANI (INSTITUTE FOR ADVANCED STUDIES IN BASIC SCIENCES)








## PHYSICS WITHOUT FRONTIERS: AFGHANISTAN

School on Theoretical and Experimental Concepts in High Energy Physics  
21-24 April 2019  
Kabul University  
[indico.ictp.it/event/8915](http://indico.ictp.it/event/8915)

**SPEAKERS:**  
Marco Cetti (ICTP)  
Farhad Hosseini (Shahrood University)  
Zareeh Nasser (ICTP and BGI/University)  
Kate Shaw (ICTP and University of Sussex)

**LOCAL COORDINATION:**  
Sabrullah Amiri (University of Kabul)  
ICTP PWF Coordinator for Afghanistan


# ICTP-PWF Workshops in Afghanistan



# ICTP-PWF Workshops in Afghanistan: Impact

- Starting point of a revolution in Physics in Afghanistan.
- Inspired young students to pursue a career in physics
- MSc Scholarships
- Support for the physics faculty at Kabul University
- Establishment of a network of Afghan physicists





# ICTP-PWF MSc Scholarships

- 31 scholarship holders (15 male, 5 female) at the Institute for Advanced studies in Basic Sciences (IASBS), Iran
- 2 scholarship holders at Ferdowsi University of Mashhad, Iran
- 2 Shahid Beheshti University , Iran
- Graduated: 9
- **Four** of them went for PhDs



## Scholarship for Master's Degree in Physics

Institute for Advanced Studies in Basic Sciences (IASBS) in collaboration with the Abdus Salam International Centre for Theoretical Physics (ICTP) through its Physics Without Frontiers programme offers a limited number of merit-based scholarships to talented students from Afghanistan.

### Scholarships:

Full scholarship covers tuition fees, living allowance, local accommodation at IASBS and insurance.

Partial scholarship covers up to 50% of tuition cost.

### Program Structure:

The program is a two-year full-time master's degree. The first year is coursework, and the second year of the program is strongly research-oriented, and is completed with a Master's thesis. Admitted students have the opportunity to conduct experimental, theoretical or computational research in different branches of physics.

### Research Topics:

Condensed Matter, Biophysics, Complex Systems and Neuroscience, Optics and Lasers, Astrophysics.

### Submission and Selection Procedures:

1. Filled application form and transcripts must be submitted in PDF format to the IASBS via one email to [physics@iasbs.ac.ir](mailto:physics@iasbs.ac.ir), by





Thanks to ICTP Physics Without Frontiers program  
Especial thanks to **Kate Shaw!**

# PHYSICS WITHOUT FRONTIERS AFGHANISTAN

## AFGHAN PHYSICS STUDENTS CONFERENCE 2024

10-11 September 2024, Online  
<https://indico.ictp.it/event/10781/>

### ORGANISING COMMITTEE

**Baktash Amini**, University of Freiburg, Germany

**Chaman Ali Daneshyar**, IASBS, Iran

**Sharif Hussainyar**, University Medical Center Hamburg-Eppendorf, Germany

**Fawad Hassan**, Stockholms Universitet, Sweden

**Ahmad Sajad Nazari**, Kabul University, Afghanistan

**Zainab Nazari**, European Brain Research Institute (EBRI), Italy

**Farsila Payandi**, IASBS, Iran

**Mohammad Rahim**, Kabul University, Afghanistan

**Said Mohsan Sadr**, IASBS, Iran

**Kate Shaw**, ICTP, Italy

**Humaira Yaqoti**, IASBS, Iran

