



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

Afghan Physics Students Conference 2025

Sharif Hussainyar

ICTP-PWF Afghanistan Volunteer Member

University Medical Center Hamburg-Eppendorf (UKE)

November 17, 2025

First ICTP-PWF Workshop

March 31–April 1, 2018 Kabul, Afghanistan

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)

 **International Centre for Theoretical Physics**

 **Kabul University**
University of Higher Education
Ministry of Education, Science and Technology

 **Institute for Advanced Studies in Basic Sciences**
Tehran, Iran



ICTP-PWF Workshop

21-24 April 2019 Kabul, Afghanistan

PHYSICS WITHOUT FRONTIERS: AFGHANISTAN

School on Theoretical and Experimental
Concepts in High Energy Physics

21-24 April 2019
Kabul University

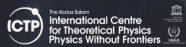
indico.ictp.it/event/8913

SPEAKERS:

Marco Celaroli ICTP
Farwad Hassan Stockholm University
Zainab Nazari ICTP and Bogazici University
Kate Shaw ICTP and University of Sussex

LOCAL COORDINATION:

Baktash Amini University of Kabul,
ICTP PWF Coordinator for Afghanistan



ICTP-PWF Master's Scholarships for Afghan Physics Students

2019



Scholarship for Master's Degree in Physics

Institute for Advanced Studies in Basic Sciences (IASBS) in collaboration with International Center for Theoretical Physics (ICTP) offers this fully funded two years program to candidates with excellent academic results.

The scholarship:

Full scholarship covers tuitions fees, living allowance, local accommodation at IASBS, insurance and travel expenses.

Program structure:

The program is two years full time master 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.

Visit scholarship
webpage for more details,
<https://www.iasbs.ac.ir/joint-ictp>



Selection procedure:

1. Online application, including 2 letters of recommendation and resume.
 - **Deadline 20 May 2019**
2. Interview

Qualifications:

The applicant, age not more than 30 years, must have a Bachelor's degree in physics recognized by the government of Afghanistan, by September 2019.



ICTP-PWF Master's Scholarships for Afghan Physics Students

2020



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.



Submission and Selection Procedures:

Research Topics:

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

Visit scholarship webpage for more details:

www.iasbs.ac.ir/joint-ictp



Qualifications:

Age not more than 28 years.
Must have a bachelor's degree in physics (from a science department) recognized by the government of Afghanistan by September 2020.

2021



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.



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, by no later than 23 June 2021.

Visit scholarship webpage for more details:

www.iasbs.ac.ir/joint-ictp



Qualifications:

Age not more than 28 years.
Must have a bachelor's degree in physics (from a science department) recognized by the government of Afghanistan by September 2021.

2022



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.



Submission and Selection Procedures:

Research Topics:

Condensed matter, Biophysics, Complex systems and Neuroscience, Optics and lasers, Astrophysics.

Visit scholarship webpage for more details:

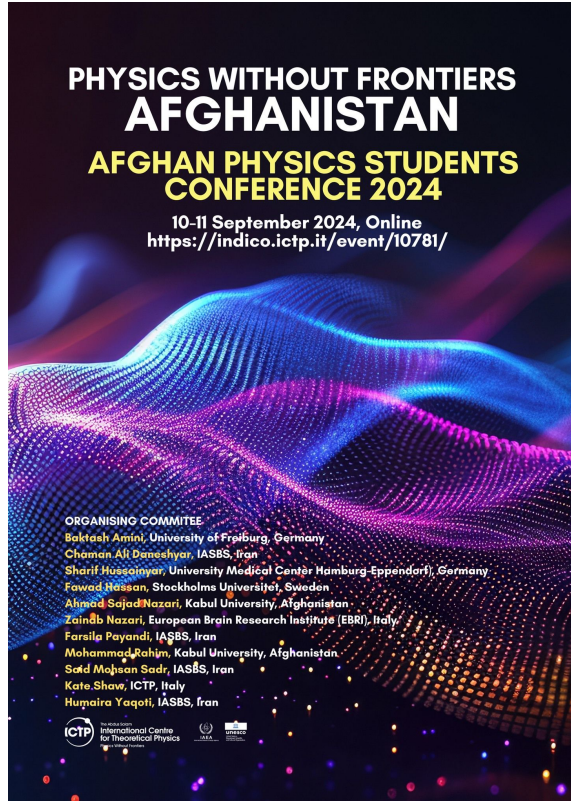
www.iasbs.ac.ir/joint-ictp



Qualifications:

Age not more than 28 years.
Must have a bachelor's degree in physics (from a science department) recognized by the government of Afghanistan by September 2022.

Afghan Physics Students Conference 2024 September 10–11, 2024 | Online



- Afghan MSc students presented their physics research
- Career development workshops and training sessions

<https://indico.ictp.it/event/10781/other-view?view=ictpmetable>

Online Machine Learning Workshop for Afghan Students

September 29–October 1, 2025

PHYSICS WITHOUT FRONTIERS AFGHANISTAN

ONLINE MACHINE LEARNING WORKSHOP

INDICO.ICTP.IT/EVENT/11175/

29 September – 1 October 2025

Register: bit.ly/46xA5XR



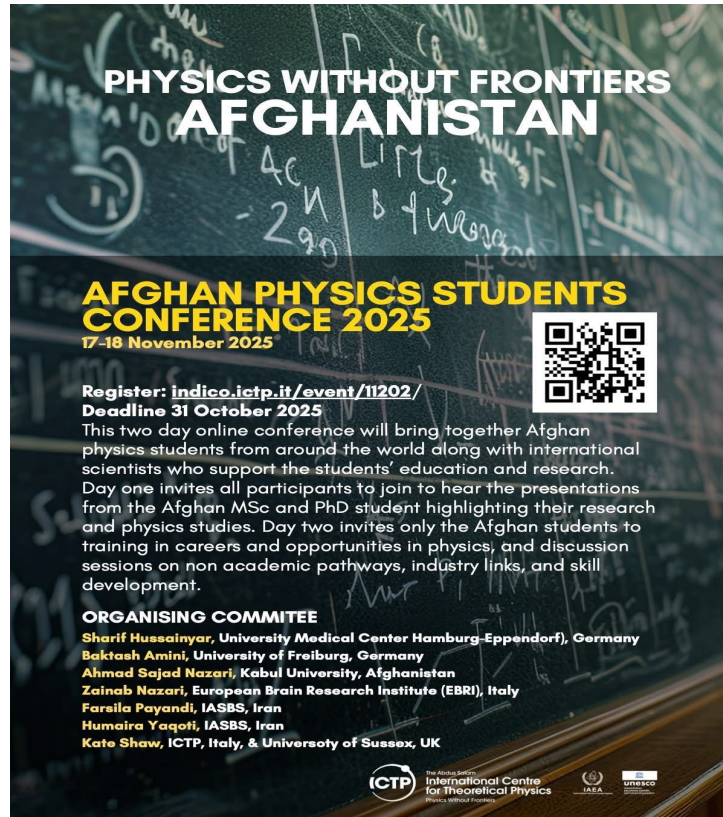
DAY 1: Python Foundations & Data Handling

DAY 2: Machine Learning Fundamentals 1 100

DAY 3: Applications of ML in Physics & Beyond



Afghan Physics Students Conference 2025 November 17–18, 2025 | Online



**PHYSICS WITHOUT FRONTIERS
AFGHANISTAN**

**AFGHAN PHYSICS STUDENTS
CONFERENCE 2025**
17-18 November 2025

Register: indico.ictp.it/event/11202/
Deadline 31 October 2025

This two day online conference will bring together Afghan physics students from around the world along with international scientists who support the students' education and research. Day one invites all participants to join to hear the presentations from the Afghan MSc and PhD student highlighting their research and physics studies. Day two invites only the Afghan students to training in careers and opportunities in physics, and discussion sessions on non academic pathways, industry links, and skill development.

ORGANISING COMMITTEE
Sharif Hussainyar, University Medical Center Hamburg-Eppendorf, Germany
Baktash Amini, University of Freiburg, Germany
Ahmad Sojad Nazari, Kabul University, Afghanistan
Zainab Nazari, European Brain Research Institute (EBRI), Italy
Farsila Payandi, IASBS, Iran
Humaira Yagoti, IASBS, Iran
Kate Shaw, ICTP, Italy, & University of Sussex, UK

 The Abdus Salam International Centre for Theoretical Physics
 

Thank you for your attention!

If you have or know of any opportunities to support Afghan students, please contact us:

- Kate Shaw: kshaw@ictp.it
- Sharif Hussainyar: msharifhussainyar@gmail.com