

PIC2025

NOVEMBER 2025
EGYPT

SHAABAN KHALIL

Center for Fundamental Physics
Zewail City of Science and Technology



ESTABLISHED 2000

مركز الفيزياء الأساسية
Center for Fundamental Physics



TRAVEL TO EGYPT

Two international airports of Egypt

Cairo International Airport (CAI)

- Location: About 22 kilometers northeast of downtown Cairo.
- Airlines: Serves many international airlines with direct flights to and from major global cities.
- Transportation Options:
 - Taxi: Taxis are available outside each terminal; it is advisable to use official airport taxis and agree on a price before starting the trip.
 - Ride-Sharing: Services like Uber and Careem are available and often more affordable.

Sphinx International Airport (SPX)

- Location: About 45 kilometers west of downtown Cairo, closer to the Giza Pyramids and the 6th of October City.
- Airlines: Primarily serves domestic flights but is expanding to accommodate more international routes.
- Transportation Options:
 - Taxi: Taxis and private car hires are available at the airport.
 - Ride-Sharing: Uber and Careem services are available, providing easy access to Giza and the nearby areas.



CONFERENCE VENUE

Pyramids Hotel:

- Proposal to host PIC2025 at Pyramids Hotel. located in one of the main touristic areas in Egypt, local transportations, such as, buses, Taxi and Uber will be very easily accessible for the conference participants





ACCOMMODATION

📍 Pyramids Hotel

- Special rates for conference participants (e.g., single room, bed & breakfast at \$90).
- Shuttle service between Cairo International Airport and the hotel.
- Additional transport options: local buses, taxis, Uber, and arranged group transports.

CONFERENCE ROOM AT PYRAMIDS HOTEL

- The venue will offer a main lecture hall for the opening, plenary and closing sessions and additional rooms for parallel sessions, if required.



- Air-conditioned, Wireless Sound System, Free Wi-Fi, Screen & Projectors.

EXPERIENCE TO HOST CONFERENCES

Organized by

Zewail City:

- Home to the Center for Fundamental Physics.
- regularly hosts conferences, workshops, and cultural events, providing a platform for intellectual exchange and collaboration among scholars and researchers.

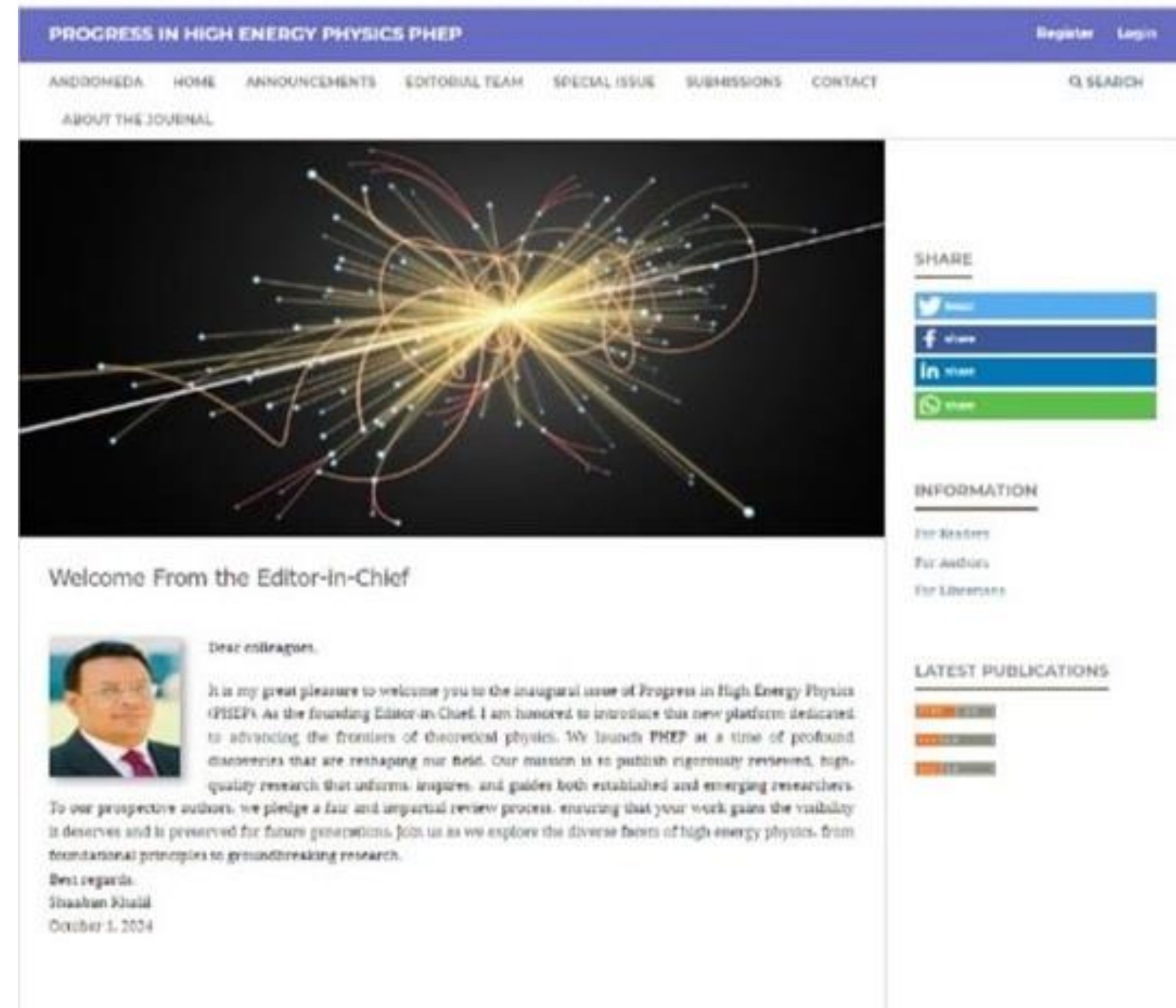


EXPERIENCE TO HOST CONFERENCES

Organized by

Andromeda Publishing and PHEP Journal

- Publisher of the Progress in High Energy Physics (PHEP) journal.
- Provides open access publication for significant conference contributions.
- Editorial Board of PHEP comprises of academics from institutions all over the world
- PHEP is archived in JournalTOCs, Portico, and CNKI Scholar. PHEP supports Abstracting and Indexing services to provide the discoverability and dissemination of its articles



The screenshot shows the homepage of the Progress in High Energy Physics (PHEP) journal website. The header is blue with the journal title and navigation links: ANDROMEDA, HOME, ANNOUNCEMENTS, EDITORIAL TEAM, SPECIAL ISSUE, SUBMISSIONS, CONTACT, and a search bar. Below the header is a large image of a particle detector visualization. To the right of the image are social media share buttons for Twitter, Facebook, LinkedIn, and Email. Below the image is a section titled 'Welcome From the Editor-in-Chief' featuring a portrait of Shaaban Khalid and a letter. The letter reads: 'Dear colleagues, It is my great pleasure to welcome you to the inaugural issue of Progress in High Energy Physics (PHEP). As the founding Editor-in-Chief, I am honored to introduce this new platform dedicated to advancing the frontiers of theoretical physics. We launch PHEP at a time of profound discoveries that are reshaping our field. Our mission is to publish rigorously reviewed, high-quality research that informs, inspires, and guides both established and emerging researchers. To our prospective authors, we pledge a fair and impartial review process, ensuring that your work gains the visibility it deserves and is preserved for future generations. Join us as we explore the diverse facets of high energy physics, from foundational principles to groundbreaking research. Best regards, Shaaban Khalid, October 1, 2024'. To the right of the letter are links for 'For Readers', 'For Authors', and 'For Librarians'. At the bottom right, there is a 'LATEST PUBLICATIONS' section with three article thumbnails.

EXPERIENCE TO HOST CONFERENCES

Organized by

Arab Physical Society 'ArPS'

- The Arab Physical Society (ArPS) is a non-profit organization dedicated to advancing the understanding and promotion of physics across the Arab world.
- ArPS has established eight specialized working groups to focus on key areas of physics research and organizes regular seminars and lectures
- ArPS also organizes an annual Summer School on Advanced Physics. The first school was held in partnership with Mansoura University from August 2023. The Second Summer School, organized in collaboration with Zewail City of Science and Technology, took place from August 2024.



PAST CONFERENCES AND EXPERIENCE

Upcoming NuDM 2024 conference at the same venue, featuring key international speakers

Successful collaborations with Zewail City and Andromeda Publishing.

Conferences like Beyond the Standard Model (BSM) and Neutrinos and Dark Matter (NuDM).

HIGH ENERGY AND PARTICLE PHYSICS IN EGYPT

When It Started:

- Began in the 1960s-70s with a focus on theoretical physics.
- Significant growth in research and international collaborations since then.

Key Institutions:

- **Zewail City**: Center for Fundamental Physics (theoretical physics, cosmology).
- **Cairo University**: Contributions to quantum field theory and particle physics.
- **Ain Shams University**: Focus on phenomenological studies in theoretical physics.
- **Alexandria University**: Theoretical and experimental research.
- **BUE**: Active in particle physics collaborations.
- **ECTP**: Specializes in quantum field theory and cosmology.

Major Projects/Experiments:

- CERN: Participation in CMS at LHC.
- MENA Initiatives: SESAME project in Jordan.
- Neutrino Projects: Potential involvement in JUNO & DUNE.

Type of Participation:

- Theoretical: Focus on models, simulations, phenomenology.
- Experimental: Increasing involvement in data analysis and international experiments (e.g., CERN, JUNO).



THANK YOU