



Cinvestav

Center for  
Research &  
Advanced  
Studies



Physics  
Institute  
UNAM



Mexican  
Physical  
Society



**CONACYT**  
*Consejo Nacional de Ciencia y Tecnología*



Nuclear  
Sciences  
Institute UNAM

Other  
institution(s)  
in Mexico

# Proposal for **SILAFAE24**

## XVth Latin American Symposium on High Energy Physics



Coordinación de la  
Investigación Científica



**DPC-SMF**  
Particle & Fields  
Division of the SMF

# Motivation for hosting SILAFAE'24

- **The 1st SILAFAE was held in Merida, in 1996 & the 6th in Puerto Vallarta, in 2006. We consider important that SILAFAE is organized again in Mexico soon (next or next-to-next event in this series?).**
  - **Geographically, USA is closer to us than the majority of Latin-American countries. It has therefore been a natural and frequent place of scientific exchange for us (e.g. involvement of our experimentalists and a few theoreticians in FNAL, JLab, ... experiments for decades). We use to receive some Master & Ph. D. students every year from LA and have several collaborators in different LA countries. However, organizing SILAFAE in Mexico would foster and strengthen our joint projects within Latin-America.**

# SILAFAE24

**Place:** MEXICO CITY

**Dates proposed:**

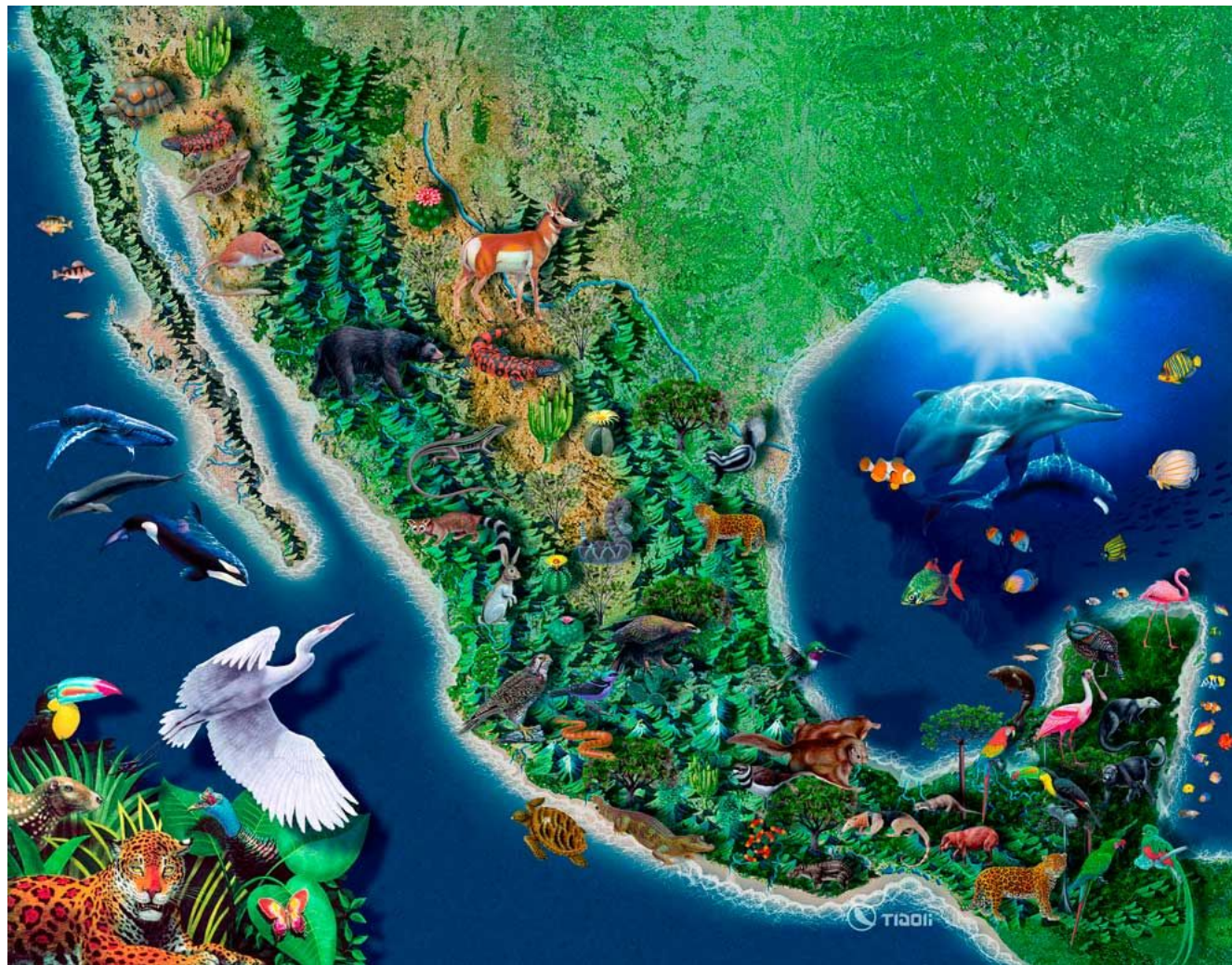
**4-8 November 2024**



Possibility to enjoy “Día de Muertos” for those arriving a few days in advance.

In the past days we had in Mexico City a maximum temperature which, on average, was 25°C and a minimum average temperature of 11°C (both with very little variation). It was mostly sunny, with only a couple of drizzles late in the evening.

→ *Satellite meeting at MCTP after SILAFAE?*



## Mexican HEP Community

- Mexican HEP Colleagues: Experiment & Theory (Cinvestav, IF-UNAM, ICN-UNAM, etc.)
- At least 40 Local Participants ( $\frac{1}{3}$  Senior Researchers,  $\frac{2}{3}$  Ph. D. & Ms. Sc. Students)
- Financial support from all above mentioned institutions plus SMF, DPyC-SMF, Nuclear Physics Division, Conacyt & Coordination of Scientific Research at UNAM.



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# Local support & Committees

## Mexican HEP Community

The proposal is supported by the Mexican HEP Community (Experiment & Theory) from 3+x Institutions:

- Centro de Investigación y de Estudios Avanzados del IPN (Mexico City)
- Instituto de Física de la UNAM (Mexico City)
- Instituto de Ciencias Nucleares de la UNAM (Mexico City)



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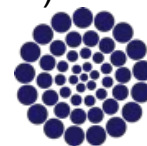


Additional support will be provided by our National Institutions:

- Sociedad Mexicana de Física (SMF): It facilitates conference fee payments via bank transfer.
- División de Partículas y Campos de la Sociedad Mexicana de Física (DPyC-SMF)
- División de Física Nuclear de la Sociedad Mexicana de Física (DFN-SMF)
- Consejo Nacional de Ciencia y Tecnología (Conacyt)



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Consejo Nacional de Ciencia y Tecnología

# Location



**SILFAE24**  
**In Mexico City**

CANCUN AIRPORT



**MEXICO CITY** is the largest city in the country and the most populous city in North America. Its historical centre was declared World Heritage Site by UNESCO in 1987 and it is the heart of a living culture rooted in Tenochtitlán.





One of the main tourist attractions of the City is its main square, 'El Zócalo', where the Cathedral and the National Palace are. Beautiful XVI-XIX century architecture in the **Centre** gives it the name 'The City of Palaces'.

The confluence of prehispanic, colonial and modern faces and cultural heritage together with their varied museums (more than 150) and murals (Diego Rivera, José Clemente Orozco, David Alfaro Siqueiros, ...) gives the city its charm.



# Colourful

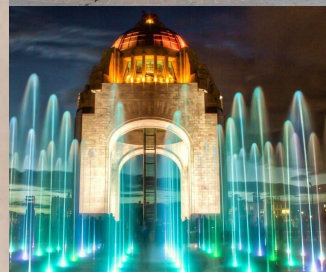


# Handicraft





Other touristic spots in Mexico City and its surroundings: Teotihuacán, Xochimilco,



Anthropology Museum, Coyoacán, Revolution Monument and Chapultepec castle and forest.

# How to reach Mexico City?



- Benito Juárez Mexico City International Airport (**MEX**) is the most convenient way to come from abroad. It is inside Mexico City and **authorized taxi** services can be booked and prepaid at several counters inside the airport. It is a completely safe procedure. Authorized taxis have a fixed rate that is paid in full at the kiosk (you can use your debit/credit card) that depends on the area you are going to. No extra money (tip) is due to the driver upon arrival to destination.
- **Uber** operates in Mexico. If you request one, you will need to exit on the arrivals level and indicate the driver through the app your exit gate (Puerta).
- Aeropuerto Internacional Felipe de los Ángeles airport (**AIFA**) started operations half a year ago. It already has some connections with LA. It hopefully evolves as expected in the next few years.

- It is possible to find very cheap flights to **Cancun** International Airport (**CUN**), in the middle of famous Mayan Riviera resorts, from abroad. There are many connections to Mexico City (Aeromexico & Volaris flights are suggested).

# Organizing Institutions



Cinvestav

**Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional (Cinvestav)** is a Mexican public institution devoted to developing research and education at the graduate level. It was founded in 1961, in the north part of Mexico City, under the direction of Arturo Rosenblueth. Through the years, seven additional Cinvestav centers have been built across Mexico. Cinvestav has 28 academic departments, sections and research areas. Its academic staff is formed by around 600 researchers. More than 4500 Ph. D. and 9000 Ms. Sc. obtained their titles at Cinvestav.



# Organizing Institutions



**Universidad Nacional Autónoma de México (UNAM)** is a public Mexican University which was founded in 1551 (Real y Pontificia Universidad de México by then). It is the largest University both in Mexico and Latin America and it has one of the biggest campuses in the world, located in the southern area of Mexico City. Besides Colleges, research is driven by the many Institutes and Research Centers, devoted to specific areas, such as the Instituto de Física (IF-UNAM) and the Instituto de Ciencias Nucleares (ICN-UNAM), which would-be co-organizing institutions of SILFAE'24 in Mexico.



# Possible SILAF AE24 Venues

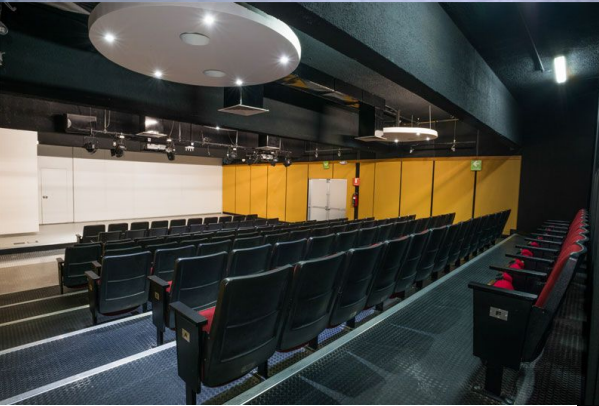
- Cinvestav, ICN-UNAM and IF-UNAM all have several auditoria of varied sizes. For instance, at Cinvestav there is one big auditorium with 600 seats, other with 120 seats and also smaller ones (all within walking distance). If SILAF AE24 had a similar attendance as the previous editions, any of these institutions could host it without problems. This we can do for sure (even in the worst funding scenario). If things go well, we could book the beautiful auditoria at Universum (UNAM science museum), ...
- The program structure of the last SILAF AEs will be preserved.



## UNIVERSUM:

Universum is located in the main campus of UNAM in Mexico City, a UNESCO World Heritage Site.

It is UNAM's Science Museum and it has all needed facilities. The top picture is the Universum building. The other photos correspond to the two largest auditoriums: the main one (right) with 232 seats, wi-fi, big screen for audio/video projection, videoconference, ...



In addition, there are smaller halls for 110 (left), 60, 50 & 40 (x2) seats, which can be booked according to our needs. There are also a couple of rooms with 25 seats each and a meeting room with 12 seats.



# Accommodation

It will depend on the chosen venue, but we will provide plenty of options. If it were inside UNAM, then those that we suggested for CHARM20 (before it was postponed, and finally made online because of Covid-19) can be indicative.

# Restaurants & Cuisine



Mexican cuisine was acknowledged as intangible cultural heritage of Humanity by UNESCO in 2010 because of the valuable mixture of Prehispanic and European (mostly Spanish, but also French) techniques. Although it is based on corn, beans and chili, its incredible richness is impossible to exhaust. Restaurants throughout Mexico City will allow you to enjoy famous specialities, like tacos or quesadillas, made with handmade tortillas.



Although typical from other parts of the country, you can also enjoy in Mexico City pollo con mole, enchiladas poblanas, birria, pozole, cochinita pibil, barbacoa de borrego, tamales, pescado zarandeado ... (Unfortunately, November is off-season for Chiles en nogada).





# Suggested Cultural Activities

- Visit to **Xochimilco** and trip in 'trajinera' (traditional boat) through the canals.
- 'El Zócalo', the Cathedral and surroundings.
- Excursion to the renowned **Teotihuacán** site.
- **Museo de Antropología** and Bosque de Chapultepec.



# Registration Rates

We propose to keep a fee of 200 US \$, payable at registration (cash and card accepted) or via bank transfer. It covers welcome reception and poster session snacks and drinks, conference kit, coffee breaks, and transportation from/to the conference venue and social dinner, ...



DIEGO RIVERA'S MURAL AT PALACIO NACIONAL, CITY CENTRE

# Financial support from



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Instituto de  
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Nucleares  
UNAM



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División de Física  
Nuclear de la SMF



# Local Organizing Committee

- Eduard de la Cruz Burelo (Cinvestav)
- Iván Heredia de la Cruz (Cinvestav)
- Gabriel López Castro (Cinvestav)
- Pablo Roig Garcés (Cinvestav)
- Alberto Sánchez Hernández (Cinvestav)
- XX (IF-UNAM)
- YY (ICN-UNAM)
- ...

Mexican members of the SILFAE International Scientific Committee & of LAA4HECAP Executive Committee not listed, though we will communicate frequently with them (as well as with all other members of these Committees).

# Experience organizing international conferences

LOC members are experienced organizing (international) conferences, workshops and meetings.

A non-exhaustive list of the most recent events includes:

- HADRON2021 (Mexico City, virtual)
- CHARM2021 (Mexico City, virtual)
- LHCP19 (Puebla),
- Tau Physics mini-Workshop (Cinvestav, 2017) and
- 2nd Future Directions in Spectroscopy Analysis (Mexico City Centre, 2017).

THIS TEAM HOPES  
TO HAVE  
THE HONOR OF  
**BEING  
YOUR  
CHOICE**



**Mexico will cordially welcome you ALL !!!**