



Dear Colleagues,

We are pleased to announce the 15<sup>th</sup> Latin American Symposium on High Energy Physics (Silafae 2024) that will be hosted by Cinvestav-IPN in Mexico City, Mexico, November 4-8, 2024. The website of the symposium is <https://indico.nucleares.unam.mx/event/2125/>, where updated information can be found.

### Scientific Program

Previous Silafae conferences have been hosted in Mérida (Mexico, 1996), San Juan (Puerto Rico, 1998), Cartagena (Colombia, 2000), Aguas de Lindoia (Brazil, 2002), Lima (Perú, 2002), Puerto Vallarta (México, 2006), Bariloche (Argentina, 2009), Valparaiso (Chile, 2010), Sao Paulo (Brazil, 2012), Medellín (Colombia, 2014), Antigua Guatemala (Guatemala, 2016), Lima (Perú, 2018), Sao Paulo (Brazil, 2021 in virtual format) and Quito (Ecuador, 2022).

The purpose of Silafae is to bring together physicists working in particles and fields to discuss recent results in these areas, including the impact on and from theory as well as projections for results to be expected from upcoming experimental facilities.

This year Silafae will cover the following topics:

- Astroparticle physics
- Beyond the Standard Model physics

- Cosmology and gravitation
- Dark Matter physics
- Electroweak, top and Higgs physics
- Flavor physics and CP violation
- Neutrino physics
- New frontiers and computing in fundamental physics
- QCD, QGP and heavy ion physics
- QFT, string and AdS/CFT
- Outreach and education

The program includes plenary and parallel talks as well as posters presentations (<https://indico.nucleares.unam.mx/event/2125/>). A public talk by Dr. Arturo Menchaca (UNAM, México) is scheduled on November 6<sup>th</sup>, at the Arturo Rosenblueth auditorium of Cinvestav.

Due to the program's busy schedule we request that you upload your talks in PDF format in advance on the indico's conference website. If you experience any problems, please send the files to [silafae2024@gmail.com](mailto:silafae2024@gmail.com) at your earliest convenience (but not just before your talk).

### **The Venue**

Cinvestav is located at the North of Mexico City <https://maps.app.goo.gl/8bSRKTFuW5Gb8ejTA>. Founded in 1961, Cinvestav is a public research center that carries out research and offers graduate programs in many scientific, technological, and humanities fields. The plenary sessions will take place at the main Rosenblueth auditorium. Parallel and poster sessions rooms are indicated in the indico page of the event.

### **Conference fee**

Participants can register to the conference under one of the categories shown in the table below along with the corresponding fees.

<b>Category</b>	<b>Early registration fee (by 15<sup>th</sup> September 2024) [US dollars]</b>	<b>Late registration fee (after 15<sup>th</sup> september 2024) [US dollars]</b>
Senior researcher	250	250
Students & postdocs	100	100

The fee covers the conference kit, coffee breaks, drinks and appetizers for the poster session, lunches (not included Wednesday, when there is free afternoon), conference dinner. The conference dinner fee's for accompanying persons is 60 US dollars. Payments have been done as indicated in <https://indico.nucleares.unam.mx/event/2125/page/1> . If you have not paid yet, you will be able (and are expected) to do it during Monday or Tuesday (first two days of the XV SILAF AE) mornings. Credit card payment will be possible in this case.

## Registration

Registration is still open, just click on registration at

<https://indico.nucleares.unam.mx/event/2125/> .

## Call for abstracts

Call for abstracts is closed since September 15, 2024.

## Proceedings

Please note that -as traditionally in this conference series- there will not be associated proceedings for Silafae 2024.

## Social program

. Wednesday November 6<sup>th</sup> is free to visit downtown.

- The conference dinner will be held at Restaurante Monte Cristo, <https://maps.app.goo.gl/1QdJRDieFeevgqBn7>, on Thursday, November 7<sup>th</sup>, from 20:30 to 23:30 PM.

## Accommodation

Special fees for this conference have been agreed with hotels nearby the conference venue (see <https://indico.nucleares.unam.mx/event/2125/page/3>). Early booking is highly recommended. A limited number of rooms has been blocked in the hotels that are listed on the website. A limited number of persons will be transported from and to the hotel in the previous to and at the end of sessions. Instructions for booking are provided on the website and on the indico page.

## About Mexico City

Mexico City is the largest city in the country and the most populous city in North America. Its historical center 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.

Besides, we highly recommend a visit to Teotihuacán site, to Museo Nacional de Antropología, to Coyoacán, to Xochimilco - with a trip in 'trajinera' (traditional boat) through the canals-, to UNAM, etc.

If you arrive a few days in advance, knowing the Day of the Deads is a must,

[https://en.wikipedia.org/wiki/Day\\_of\\_the\\_Dead](https://en.wikipedia.org/wiki/Day_of_the_Dead).

<https://mexicocity.cdmx.gob.mx/>

## Travel

Please, read these instructions and safety tips in detail. If you have any questions do not hesitate to contact the organizers.

- How to arrive to Mexico City?

The best way to arrive to the workshop from abroad is flying to Benito Juárez-Mexico City International Airport (MEX).

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 (Volaris and Aeromexico flights are suggested).

- How to arrive from the airport to your hotel?

The authorized taxis at the kiosks in the airport. Authorized taxis have a fixed rate that is paid in full at the kiosk (you can use your credit card) that depends on the area you are going to. Provide the address of your hotel in the kiosk, pay and walk out of the terminal to the designated taxi stop. You only will need to indicate to the driver where you are going to. All the information on this option can be found at

<https://www.aicm.com.mx/en/passengers/transportation/taxis>

Uber: You can find information on Uber airport pick- up at <https://www.uber.com/en-MX/airports/mex/> . If you request an Uber, you will need to exit on the arrivals level and indicate the driver through the app your exit gate (Puerta). We recommend that you pick either Puerta 3 or 4 if you are in Terminal 2, and Puerta 3, 4, 5, 6 or 7 if you are in Terminal 1. It will be easier for you and your driver.

## Tipping

Standard tipping is 10% (no tips in taxis). Prices in menus include taxes.

## Safety tips

The area where the workshop is held is safe. The venue is very close to the recommended hotels and easily reachable. We just recommend you to take the standard precautions whenever you are in a very touristic and crowded area. Be always very careful with your belongings.

We highly recommend that you do not take a taxi in the street. Use safe taxis provided by your hotel or Uber.

As a general rule, do not eat in the street. There are several restaurants close to the venue and the hotels. Debit or credit cards are accepted in almost all restaurants.

Do not drink tap water.

<https://travellemming.com/is-mexico-city-safe/>

### **Subway**

The subway fare is 6 mexican pesos (MXN) and the Metrobus fare is 6 MXN, per trip (rate on October 7<sup>th</sup>, 1 USD=19.3 MXN). You will need a rechargeable card to access them that can be purchased therein.

### **Visa Information**

The visa requirements to enter Mexico can be found at:

<https://consulmex.sre.gob.mx/washington/index.php/servicios-para-extranjeros-visas>

Letters of invitation for VISA purposes have been/are available upon request for registered participants.

### **Weather**

The weather in November is cool ranging from 9 to 24 Celsius (48 to 75 Farenheit) along the day.

### **Financial Support**

Financial support has been provided to a limited number of students and young postdocs. Applications for financial

support were addressed to [silafae2024@gmail.com](mailto:silafae2024@gmail.com) with a CV and a reference letter from the supervisor no later than the September 15<sup>th</sup>, 2024.

### Important dates

- Registration opening.....February 8th, 2024.
- Registration deadline.....October 18th, 2024.
- Financial support application deadline..., September 15<sup>th</sup>, 2024.
- Abstract submission (talks and posters) deadline... September 15th, 2024.
  
- Abstract acceptance notification...Early October, 2024.
- Conference dates.....November 4th-8th, 2024.

Please, do not hesitate to contact us at [silafae2024@gmail.com](mailto:silafae2024@gmail.com) for any additional information and support you may need to prepare your attendance.

We are looking forward to welcoming you in Mexico City!

### ***The Silafae Local Organizing Committee***

Conference website: <https://indico.nucleares.unam.mx/event/2125/>