

# The Seventh Annual Large Hadron Collider Physics Conference (LHCP 2019) First Bulletin – December 2018



Dear Colleagues,

We are pleased to announce the seventh annual Large Hadron Collider Physics (LHCP 2019) conference that will take place in Puebla, Mexico, from 20<sup>th</sup> to 25<sup>th</sup> May 2019. This conference will be hosted by *Benemérita Universidad Autónoma de Puebla* (BUAP). The conference website is at <http://lhcp2019.buap.mx> where updated information can be found.

## Scientific Program

The LHCP conference series emerged in 2013 as the successful fusion of two international conferences, the Physics at Large Hadron Collider Conference and the Hadron Collider Physics Symposium.

The program of LHCP 2019 will cover a detailed review of the latest experimental and theoretical results on collider physics from LHC Run II and discussions on future research directions in high energy particle physics. The conference aims to provide the environment for intense and lively discussions between experimentalists and theorists on such areas as Standard Model Physics and Beyond, the Higgs boson, supersymmetry, heavy-flavor physics, and heavy-ion physics as well as to share current progress on the high luminosity upgrades and future colliders developments. The program includes 12 plenary and 8 parallel sessions as detailed in the Figure below.

## LHCP 2019 Programme Structure

	20/5/19 MONDAY	21/5/2019 TUESDAY	22/5/2019 WEDNESDAY	23/5/2019 THURSDAY	24/5/2019 FRIDAY	25/5/2019 SATURDAY
8:15 AM	shuttles to venue	shuttles to venue	shuttles to venue	shuttles to venue	shuttles to venue	shuttles to venue
9:00 AM	Plenary	Plenary II	Plenary IV	Plenary V	Plenary VII	Plenary
9:30 AM	Opening	SUSY	Heavy Ion	Top/EWK	Rare top and ew processes	Future/Upgrades
10:30 AM					LHC sensitivity within EFT	Future LHC physics
11:00 AM	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:30 AM	Plenary	Parallel	Parallel	Parallel	Parallel	Plenary
12:00 PM	Opening	HIG, HF	QCD,HIG	QCD, Tools	PERF, TOP	Closing
12:30 PM	YSF+Outreach talk	SUSY, HIN	SUSY, TOP	EXO, TOP	EWK, UPG/FUT	
1:00 PM			Excursion (lunch box)	IAC meeting (restricted)		
1:30 PM	Lunch	Lunch		Lunch	Lunch	Light Lunch
2:00 PM						shuttles to hotels
2:30 PM	Parallel	Parallel			Parallel	Parallel
3:00 PM	PERF, EXO	Outreach, EXO		SUSY, HF	UPG/FUT, HIN	
3:30 PM	HIG, QCD	EWK, QCD/HF		HIN, UPG/FUT	EWK, HF	
4:00 PM	Coffee Break	Coffee Break		Coffee Break	Coffee Break	
4:30 PM	Plenary I	Plenary III		Plenary VI	Plenary VIII	
5:00 PM	Heavy Flavour	QCD/Top/Higgs		Higgs/EWK	EXO/SUSY,LLP,DM	
5:30 PM		includes jet substruct.		(including EFT)		
6:00 PM						
6:30 PM	Reception	Posters		shuttles to hotels	shuttles to hotels	
7:00 PM			shuttles to hotels			
7:30 PM			Outreach Event	shuttles to dinner		
8:00 PM	shuttles to hotels	shuttles to hotels		Gala Dinner		
8:30 PM						
9:00 PM						

## The Venue

The conference venue will be *Complejo Cultural Universitario (CCU)*, a ten-year-old facility conceived and built as an open space for promoting cultural, artistic, scientific and technological expressions generated and fostered by BUAP. The CCU is located in a cosmopolitan zone of the city, about 20 min. by car from the downtown main square. The venue offers a comfortable place for conferences, workshops, concerts, and other social events.

## 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 (up to 15<sup>th</sup> March 2019) [CHF]</b>	<b>Late registration fee (after 15<sup>th</sup> March 2019) [CHF]</b>
Standard participant	450	510
Member of the Mexican Physical Society	290	310
Student	220	300

The fee includes a welcome drink, lunches, coffee breaks, and the conference banquet.

It is possible to register an accompanying person paying a 100 CHF fee that will cover the welcome reception and the conference banquet. The accompanying person's registration and the corresponding fee payment must be done during the participant's registration process and fee payment, respectively.

## Registration

Registration is now open at

<https://indico.cern.ch/event/687651/registrations/>

## Call for abstracts

Call for abstracts proposing theory talks in the parallel sessions will open on 15<sup>th</sup> December 2018. The closing date for submitting abstracts is on 5<sup>th</sup> April 2019.

We encourage submission of poster abstracts. Selected abstracts will be presented and discussed in dedicated poster sessions. Prizes for the top posters will be awarded.

## Proceedings

Conference proceedings in electronic form as online open access will be published in Proceedings of Science. Poster contributions will be included.

## Social program

- A welcome drink will be offered on Monday 20<sup>th</sup> May at the conference venue.
- Local wine and food tasting will be offered on Tuesday 21<sup>st</sup> May during the poster session.
- Tours and excursions are planned for the afternoon of Wednesday 22<sup>nd</sup> May.  
**Note that excursions are not included in the registration fee.**  
Different options for excursions will be available at the registration desk, like Teotihuacan archeological site, Cacaxtla archeological site, visit to the

touristic town of Cholula, tours to historical buildings in downtown Puebla, etc. Prices will vary from around CHF 10 to CHF 30. More precise information about prices and options will be published by mid January.

- An outreach social event for the general public will be held on Wednesday 22<sup>nd</sup> May at the CCU theater. The event will feature a panel of prominent Latin American physicists, as well as other public figures, and will close with a concert featuring technological music from a Cosmic Piano and a Theremin.
- The conference banquet will be held on a historic building in the downtown area on Thursday 23<sup>rd</sup> May.

## Accommodation

Special fees for this conference have been agreed with hotels in downtown area and hotels nearby the conference venue. Early booking is highly recommended. A limited number of rooms have been blocked in the hotels listed on the website. Some of the hotels are located within walking distance from the venue while others are in the downtown area. Transportation will be provided by the conference organization. Instructions for booking are provided on the website and on the indico page. Further details about these and other accommodation options will be provided in the second bulletin.

## About Puebla

Puebla is a city with beautiful facades covered in *talavera* and elegant colonial buildings and streets. Here you can find the perfect blend of history, tradition, culture, natural beauty and modernity, with touches of art and buildings full of colors. Puebla is one of the safest and preferred Mexican cities to visit. It preserves a comfortable environment of a small city with a lot of touristic places to visit nearby. Traditional houses, delicious gastronomy and countless treasures make for a destination you will never want to leave.

## Travel

There are several options to reach the city of Puebla.

1. Arriving to Mexico City's *Benito Juárez International Airport* (MEX).
  - a. The organization will provide transportation from MEX to Puebla on 18<sup>th</sup> and 19<sup>th</sup> May and from Puebla to MEX on 25<sup>th</sup> and 26<sup>th</sup> May. You can book your reservation on the conference registration form at: <https://indico.cern.ch/event/687651/registrations/>.
  - b. From this airport a bus ticket to Puebla (Terminal 4 *Poniente*) can be purchased for ~300 Mexican pesos or ~16 USD.
  - c. A taxi/Uber can also be used. The rate for this option is around 65-70 USD.
2. Arriving to Puebla city's *Hermanos Serdán International Airport* (PBC) which receives direct flights from Houston (United Airlines), Dallas (American

Airlines), Panama City (Copa) and from several cities within Mexico. You will need to take a taxi to get to your hotel from this airport. The cost is approximately 30 USD. While Puebla Airport (PBC) is closer to the venue than Mexico City Airport (MEX), it has fewer flight options.

## Visa Information

You can download information about VISA requirements for travel to Mexico from

<https://www.gob.mx/cms/uploads/attachment/file/8932/visasordinarios.pdf>

This document specifies if a VISA is required to enter Mexico depending on the country that issued the passport.

Letters of invitation for VISA purposes will be available upon request for registered participants. please write an email with subject: visa for LHCP-2019 to [lhcp2019@cern.ch](mailto:lhcp2019@cern.ch).

## Financial Support

Financial support will be provided to a limited number of students and young postdocs. Applications for financial support must be addressed to [lhcp.2019@cern.ch](mailto:lhcp.2019@cern.ch) together with a CV and a reference letter from the supervisor no later than 31<sup>st</sup> March 2019.

## Important dates

- Registration opening.....December 1st, 2018.
- Early registration deadline.....March 15th, 2019.
- Registration deadline.....May 5th, 2019.
- Financial support application opening.....December 15th, 2018.
- Financial support application deadline.....March 31st, 2019.
- Financial support acceptance notification.....April 5th, 2019.
- Abstract submission (talks and posters) opening.....December 15th, 2018.
- Abstract submission (talks and posters) deadline.....April 5th, 2019.
- Abstract acceptance notification.....April 25th, 2019.
- Conference dates.....May 20th-25th, 2019.

Please, do not hesitate to contact us at [lhcp.2019@cern.ch](mailto:lhcp.2019@cern.ch) for any additional information and support you may need to prepare your attendance to LHC 2019.

We are looking forward to welcoming you in Puebla!

***The LHCP 2019 Steering Committee***