

The Seventh Annual Large Hadron Collider Physics Conference (LHCP 2019). Second Bulletin – February 2019.



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 20th to 25th 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 Scientific Program

	20/5/19 MONDAY	21/5/2019 TUESDAY	22/5/2019 WEDNESDAY	23/5/2019 THURSDAY	24/5/2019 FRIDAY	25/5/2019 SATURDAY
8:30 AM	Shuttle to venue	Shuttle to venue	Shuttle to venue	Shuttle to venue	Shuttle to venue	Shuttle 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					EFT discussion	Future discussion
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, HI/EWK	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						Shuttle to hotels
2:30 PM	Parallel	Parallel		Parallel	Parallel	Depart
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,LLPDM	
5:30 PM						
6:00 PM						
6:30 PM	Reception	Posters		Shuttle to hotels	Shuttle to hotels	
7:00 PM			Shuttle to hotels			
7:30 PM			Outreach Event			
8:00 PM	Shuttle to hotels	Shuttle to hotels		Reception		
8:30 PM				Gala Dinner		
9:00 PM						

Parallel sessions will feature both theoretical and experimental talks. The LHCP 2019 Program Committee has appointed the following session conveners.

1 Performance / Tools

Session conveners

Liza Mijovic, Edinburgh (ATLAS)
 Marianna Fontana, CERN (LHCb)
 Jacek Otwinowski, Krakow (ALICE)
 Sergei Gleyzer, Florida (CMS)

2 Exotics

Session conveners

Kalliopi Iordanidou, TRIUMF (ATLAS)
 Francesco Pandolfi, Roma (CMS)
 Martino Borsato, Heidelberg (LHCb)

Elena Accomando, Southampton (theorist)

3 Higgs

Session conveners

Marine Kuna, Univ. Grenoble Alpes, LPSC (ATLAS)

Nick Wardle, Imperial (CMS)

Jorge de Blas, University and INFN Padua (theorist)

4 QCD

Session conveners

Ben Nachman, Berkeley (ATLAS)

Gábor Veres, Eötvös Loránd University (CMS)

Murilo Rangel, UFRJ Rio (LHCb)

Peter Christiansen, Lund (ALICE)

Emanuele Re, CERN & LAPTh Annecy (theorist)

5 SUSY

Session conveners

Jeanette Lorenz, LMU Munich (ATLAS)

Frank Golf, Nebraska (CMS)

Heidi Rzehak, SDU Odense (theorist)

6 Heavy Ion

Session conveners

Cesar Luis da Silva, Los Alamos (LHCb)

Anders Knospe, Houston (ALICE)

Emilien Chapon, CERN (CMS)

Martin Rybar, Columbia (ATLAS)

Andrea Beraudo, Torino (theorist)

7 Electroweak

Session conveners

Ulla Blumenschein, Queen Mary UL (ATLAS)

Alberto Belloni, Maryland (CMS)

Olli Lupton, Warwick (LHCb)

Raphaelle Bailhache, Frankfurt (ALICE)

Mathieu Pellen, Cambridge (theorist)

8 Heavy Flavour

Session conveners

Marcella Bona, QMUL (ATLAS)

Alberto Sanchez-Hernandez, CINVESTAV (CMS)

Francesca Dordei, INFN Cagliari (LHCb)

Barbara Trzeciak, Utrecht (ALICE)

David Delepine, Guanajuato (theorist)

9 Upgrade

Session conveners

Brian Petersen, CERN (ATLAS)

Isobel Ojalvo, Princeton (CMS)

Preema Pais, EPFL (LHCb)

Magnus Mager, CERN (ALICE)

Andrea Wulzer, CERN (theorist)

10 Top

Session conveners

Dominic Hirschbuehl, Wuppertal (ATLAS)

Abideh Jafari, DESY (CMS)

Markus Schulze, Berlin (theorist)

11 Outreach

Session conveners

Sahal Yacoob, Cape Town (ATLAS)

Edgar Carrera, Quito (CMS)

Chris Burr, Manchester (LHCb)

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.

Category	Early registration fee (up to 15th March 2019) [CHF]	Late registration fee (until 5th april 2019) [CHF]
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. Accompanying person(s) must be registered during the participant registration process. Participants must cover the accompanying person(s) fee at the same time as their own fee.

Registration

Registration is open at

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

Call for abstracts

We encourage submission of **poster abstracts**. The **abstract submission call is currently open** and it will close on 5th April 2019. 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 at the conference venue on Monday 20th May from 6:30 to 8:00 p.m.
- Local wine and food tasting will be offered during the poster session on Tuesday 21st May from 6:30 to 8:00 p.m.
- Tours and excursions are planned for the afternoon of Wednesday 22nd 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 depending on the attendance at each option. More precise information about prices and options can be found at the indico page.
<https://indico.cern.ch/event/687651/page/15486-general-information-puebla-tourist-office-onsite>
- An outreach social event for the general public will be held on Wednesday 22nd May at the CCU theater. This event will be conducted in **spanish**. It will feature a panel to discuss recent advances on high energy physics, from LHC to medical applications. The panel will be followed by a performance 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 23rd 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 to and from the hotels will be provided by the conference organization.

Further details and instructions for booking are provided in the indico page at <https://indico.cern.ch/event/687651/page/12445-accommodation>

About Puebla

Puebla is a city with beautiful facades covered in *talavera*¹ 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 it for a wonderful destination.

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 18th and 19th May and from Puebla to MEX on 25th and 26th 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 (arriving to *Terminal 4 Poniente*) can be purchased for ~300 Mexican pesos or ~16 USD. You can locate the ticket office at the Terminal 1 in the interactive map <https://www.aicm.com.mx/en/interactive-map>
 - 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. There is no public transportation serving this airport, so you would need to take a taxi to get to your hotel. The cost is approximately 30 USD. While Puebla Airport

¹ Traditional decorated pottery from the cities of Atlixco, Cholula and Puebla, all three in the state of Puebla, Mexico. Talavera tradition of production goes back to the 16th century.

(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.

Financial Support

Financial support can be provided to a limited number of students and young postdocs. The period for applications is now open. Applications must be addressed to lhcp.2019@cern.ch together with a CV and a reference letter from the supervisor no later than 31st March 2019.

Important dates

	Starts	Ends
Registration	1 December 2018	5 April 2019
Late registration	6 April 2019	5 May 2019
Abstract submission (Posters)	15 December 2018	5 April 2019
Abstract acceptance notification	25 April 2019	
Financial support application	15 December 2018	31 March 2019
Financial support acceptance notification	5 April 2019	
Conference dates	20 May 2019	25 May 2019

Please, do not hesitate to contact us at lhcp.2019@cern.ch for any additional information and support you may need to prepare your attendance to LHCP 2019.

We are looking forward to welcoming you in Puebla!

The LHCP 2019 Steering Committee