

The Sixth Annual Large Hadron Collider Physics Conference (LHCP2018)
First Bulletin - 18 December 2017



Dear Colleagues,

We are pleased to announce the sixth annual Large Hadron Collider Physics (LHCP2018) conference which will take place in Bologna, Italy, from 4 to 9 June 2018. The conference is hosted by INFN – sezione di Bologna and Bologna University.

The conference website is: <http://lhcp2018.bo.infn.it>
 The information there will be continuously updated.

Scientific Programme

The LHCP conference series has emerged in 2013 as a successful result of fusion of two international conferences, Physics at Large Hadron Collider Conference and Hadron Collider Physics Symposium. The program will be devoted to a detailed review of the latest experimental and theoretical results on collider physics of the LHC Run II and discussions on further research directions within the high energy particle physics community, both in theory and experiment. The main goal of the conference is to provide intense and lively discussions between experimenters and theorists in such research areas as the Standard Model Physics and Beyond, the Higgs Boson, Supersymmetry, Heavy-Flavour Physics and Heavy-Ion Physics as well as to share recent progresses in the high luminosity upgrades and future colliders developments.

The programme foresees 12 plenary sessions and 9 parallel sessions as detailed below. Speakers reporting results from LHC experiments will be directly selected by the Collaborations. Students are encouraged to bring posters showing their own research work, which will be presented and discussed in dedicated poster sessions.

	4/6/18 MONDAY	5/6 TUESDAY	6/6 WEDNESDAY	7/6 THURSDAY	8/6 FRIDAY	9/6 SATURDAY
9:00 AM	Plenary	Plenary	Plenary	Plenary	Plenary	Plenary
9:30 AM	Opening	QCD	Heavy Ions	SUSY	Heavy Flavour	Upgrades/Future
10:00 AM						
10:30 AM						
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	QCD, HIG	HIN, HIG	SUSY, QCD	PERF, TOP	Closing
12:30 PM		SUSY, HIN	SUSY, QCD	TOP, PERF	EWK, UPG/FUT	
1:00 PM					IAC meeting (restricted)	
1:30 PM	Lunch	Lunch	Lunch	Lunch	Lunch	Light Lunch (tbc)
2:00 PM						
2:30 PM	Parallel	Parallel	Guided Visits	Parallel	Parallel	Depart
3:00 PM	PERF, EXO	Outreach, EXO		HF, EXO	UPG/FUT, HIN	
3:30 PM	HIG, HF	EWK		TOP, UPG/FUT	EWK, HF	
4:00 PM		Posters				
4:30 PM	Coffee Break	Tea and local food		Coffee Break	Coffee Break	
5:00 PM	Plenary			Plenary	Plenary	
5:30 PM	Higgs	Plenary		EXO/DM	TOP	
6:00 PM		EWK				
6:30 PM						
7:00 PM	Reception					
7:30 PM						
8:00 PM					Gala Dinner	
8:30 PM						
9:00 PM			Outreach Event			

The Venue



The **conference venue** is the “S. Domenico” centre, a magnificent square-shaped structure, with its old cloisters dating back to the 14th, 15th and 16th centuries, amongst the oldest places of the city. The chapter room displays a precious fresco of Saint Dominic from the 14th century. The complex is located in the city centre, in walking distance from the central square of the city, and it is a renowned venue for conferences, workshops, concerts and other social events.

Conference fee

Early registration fee (until 30 April 2018) is 380 € for a special reduced fee of 190 € for PhD students. Late registration will be 250 and 450 €, respectively. The fee will cover:

- one welcome drink;
- nine coffee breaks;
- one local wine and food tasting;
- five lunch meals and a lunchbox for Saturday 9 June;
- the conference banquet in Palazzo Isolani;
- the publication of the conference proceedings.

Registration will open next 15th January 2018

Call for Poster Abstracts

Call for abstracts, that will open since January 15th, 2018, is for posters. The closing date for submitting abstracts will be **March 1st, 2018**. Please note abstracts from LHC collaborations will be managed and submitted centrally by the collaboration's conference or speakers' committees. Best 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 programme

- The **welcome drink** will be offered on **Monday 4th June** at the conference venue.
- **Local wine and food tasting** will be offered on **Tuesday 5th June** during the poster session.
- A **guided tour** of the city centre, visiting main historical buildings and churches and a visit to a historical museum is scheduled for **Wednesday 6th June afternoon**.
- A **public social event** (outreach conference, in Italian) will be held on **Wednesday 6th June evening** in Bologna University Aula Magna Santa Lucia. The event will feature a panel of prominent physicists, including CERN Director General Fabiola Gianotti and the Dean of Bologna University prof. Francesco Ubertini as well as other public figures.



Aula Magna Santa Lucia will host the outreach event

- The **conference banquet** will be held in the Palazzo Isolani on **Friday 8 June**, located in the magnificent Piazza Santo Stefano, in the city centre at walking distance from the venue and the hotels.



Palazzo Isolani, in the magnificent Piazza Santo Stefano.

Accommodation

We have reserved accommodation for junior conference delegates in some Bologna University student residences. These can be booked at the time of registration. We have also negotiated prices for a limited number of rooms in nearby hotels. Further details about this and other accommodation options will be provided in the second circular.

About Bologna

Bologna is a medium-sized city located in the middle of Emilia-Romagna, northern Italy, hosting the oldest University of the western countries – so-called *Alma Mater Studiorum - Università di Bologna* – founded in 1088, that is also one of the present biggest Italian universities. Bologna is an important cultural and artistic centre. Its importance can be attributed to a homogeneous mixture of monuments, churches, museums, antique buildings and other architectural features, such as its famous medieval towers. The layout of the historical centre, dating back to the Middle Ages, is unique and characterized by the presence of *porticos*, covered walkways along the external walls of every building, making umbrellas unnecessary when walking under the rain through the city centre. Bologna often ranks as one of the top cities in terms of quality of life in Italy, also famous for its traditional cuisine.

Travel

The Bologna Airport "Guglielmo Marconi" is linked by national and international airlines. A bus shuttle connects (every 11' from 7 am to 9 pm) the airport to the city centre/the central railway station. If you take the BLQ shuttle and your hotel is in the city centre, you can get off at the central railway station (Stazione Centrale, end of the line) in about 20 minutes. The BLQ ticket costs 6 € and can be purchased directly on board. The distance from the railway station to the city centre is about 1 km, and to the venue is about 2 km. You can also consider airports connected to Bologna by high-speed trains based in Milan, Rome or Florence, that are within 2-3 hours time from Bologna. Bologna is the main Italian railway junction: all of the most important national and international lines pass through it with connections to all the major Italian cities (a high-speed train connecting Geneva to Milan is also available). More information, including about reaching by car Bologna, at <http://lhcp2018.bo.infn.it/travel.html>

Visa Information

Information about visa requirements for travel to Italy can be found on the following web page: <http://vistoperitalia.esteri.it/home/en>. Citizens of the EU, EEA, Switzerland, most countries in America, Australia, New Zealand, Japan and South Korea do not require a visa to enter Italy. Citizens of other countries may require a visa; please check the web page above. Letters of invitation for visa purposes will be available upon request for registered conference participants.

The Organizers of the Conference

Conference website: <http://lhcp2018.bo.infn.it>
E-mail: lhcp2018@bo.infn.it

