



**PLHC 2011**  
**Physics at LHC 2011**  
**Sixth International Conference on**  
**the Physics at the CERN Large Hadron Collider**



**Perugia, Italy**  
**Congress Center GIO**  
**June, 6-11 2011**

**BULLETIN Vers. 5- May 2011**

**GENERAL INFORMATION**

This is the sixth Conference in the series started in Prague in 2003 and held in Prague (2003), Vienna (2004), Cracow (2006) , Split (2008) and in Hamburg in 2010.

**Perugia** is the capital city of the Umbria region in central Italy, near the Tiber river. In tourist literature Umbria is sometimes called “*il cuore verde d'Italia*”, i.e. the green heart of Italy. The phrase, taken from a poem by G. Carducci, is quite appropriate since the modern administrative region is the only one to have neither a coast nor a border with a foreign country, and is famously green. The region is named from the *Umbri* tribe who settled there in protohistoric times (6<sup>th</sup> century BC). Perugia is a notable artistic center of Italy: it first appears in written history as *Perusia*, one of the twelve confederate cities of Etruria, in about 300 BC. It is also only 20 km away from Assisi, the city of St. Francis.

Perugia is home of major universities, laboratories and institutes of INFN (Italian National Institute for Nuclear Physics), the government organization funding fundamental research in the fields of sub nuclear, nuclear, and astroparticle physics – as well as of the prestigious University for Foreigners – the oldest one in Italy – for the diffusion of Italian language and civilization.

## Venue

The recent **Congress Center GIO**, less than 1 Km from the Old city Center, has a Main Hall of more than 500 seats and many smaller Meetings Rooms. There are 2 Hotels, a Restaurant and large Parking Areas.

Address: Via R. D'Andreotto, 19  
06124 Perugia

Web : <http://www.hotelgio.it/eng/>

Email: [reception@hotelgio.it](mailto:reception@hotelgio.it)

Tel. & Fax +39- 075 573 1100

## Conference web page

The most up-to-date information about the conference can be found in the conference web page at [www.pg.infn.it/plhc2011/](http://www.pg.infn.it/plhc2011/)

## Conference topics

- Higgs physics
- Supersymmetry
- Standard Model and beyond
- Top physics
- Beauty physics
- Heavy-ion physics
- Diffraction and forward physics

## Scientific program

The Physics at LHC conference consists of invited and contributed talks, as well as posters, covering experimental results and theory. They will be presented in plenary sessions and in parallel sessions organised in some of the afternoons.

The scientific agenda has the following outline:

- Pre-registration will start on Sunday, 5 June, from 16:00 – 19:30 and will continue on Monday, 6 June, from 8:00 onward.
- Plenary sessions in the mornings of 6-11 June 2011.
- Plenary or parallel sessions in the afternoons of 6, 7, 9 and 10 June 2011.
- Dedicated poster session in the afternoon of Tuesday, 7 June 2010.

The posters will be on display throughout the conference.

- The conference will end on Saturday, 11 June, around lunch time.

A detailed overview of the (still developing) agenda can be found on the conference CERN/Indico page. All plenary sessions will take place in the Main Auditorium of the GIO Congress Center.

## **Chairs and Committees**

**Conference chairs:** Giancarlo Mantovani (Perugia), Guenakh Mitselmakher (Florida), Leonardo Paolo Rossi (INFN Genova)

**Program Committee Chairs:** Daniel Denegri (Saclay) and Thomas LeCompte (Argonne)

**Scientific Secretary:** Gian Mario Bilei (INFN Perugia)

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## **Conference Secretariat**

K. Aspola	CERN
L. Lucaroni	INFN Perugia
G. Meniconi	Consulta Umbria
I. Panico	INFN Perugia

## **Technical Assistance**

E. Becchetti	INFN Perugia
G. Chiocci	Perugia

## Social program

The Conference social program will include the following items:

1. A **Welcome Party** in the evening of Monday 6<sup>th</sup> in the Cloister of the Cathedral after the **Official Opening**, which shall take place in the Aula Magna of the University.
2. An excursion to Assisi in the afternoon of Wednesday 8<sup>th</sup> with guided tour of the city followed in the evening by a **Concert of the Cappella Musicale (Choir and Organ)** in the Basilica of St. Francis, universally known for its marvellous walls painted by Giotto perfectly restored after the 1997 earthquake.
3. The **Conference dinner** with Umbrian specialties in the evening of Friday 10<sup>th</sup>.

## Accompanying persons program

We are preparing also an accompanying persons program. Details will be found in the conference website. Please note that participation into the official conference social program is charged separately for the accompanying persons.

## Poster session and Poster awards

The conference will host an extensive poster session. We encourage in particular colleagues at the early stage of their careers to submit posters, which is an opportunity to present their work at a major conference. The poster session will be opened officially during the prolonged session break on Tue. 7<sup>th</sup> afternoon.

Please note that posters need to be registered at the Conference Website until **May 15<sup>th</sup> 2011** and they have to be printed by the participants before attending the conference. The number of accepted posters is limited to the space available.

The default format for the posters is 841\*1189 mm2 (DIN A0).

A special committee will select the three best Posters. The authors will receive an award of 300€ each which will be delivered during the Conference dinner.

## Abstracts

The deadline for the submission is **May 15<sup>th</sup> 2011** for both the Posters and the Talks. Please send them in .doc or .pdf format to [plhc2011@pg.infn.it](mailto:plhc2011@pg.infn.it).

Please note that Talks and Posters can only be presented by registered participants to the conference.

## Conference Agency and Secretariat

The congress agency CONSULTA UMBRIA ([congressi@consultaumbria.com](mailto:congressi@consultaumbria.com)) (Tel. +39-075 5000066 and Fax +39-075 5153466) is in charge to handle all conference services (registrations, hotel reservations, fee cashing) and will support the Conference Secretariat during the Conference.

For all organisational questions please don't hesitate to contact the secretariat by E-Mail:  
[plhc2011@pg.infn.it](mailto:plhc2011@pg.infn.it)

CERN based people can also contact Kirsti Aspola ([kirsti.aspola@cern.ch](mailto:kirsti.aspola@cern.ch))  
in Build. 40-5A-24 Tel. 7460

## Registration

Registration is exclusively through the conference website . It started on **March 1<sup>st</sup> 2011** and will close on **May 30<sup>th</sup>**. Thereafter a registration will still be possible in particular cases only, by contacting the Organizers directly. In these cases the fees have to be paid on site at check-in. The Registration procedure is validated only when at least the payment of the Conference fee is carried out and the proof of payment is received.

The Registration consists of 2 steps : the first to register to the Agency website and get a Password by Email. The second to login and register to PLHC2011. Thereafter, every participant can re-login anytime to the site to change or add particular options.

## Conference fees

In case of registration and proof of payment received before **May 16<sup>th</sup> 2011**, a reduced conference fee of 360 € applies; after this date, the full fee of 400 € has to be paid. For late registrations (after **May 30<sup>th</sup>**) the fee will be 450 €. Students (undergrad and grad) producing a certification of their supervisors are generally entitled to the reduced fee. The fee includes all social events as described above plus 6 Buffet Lunches in the Conference Center.

The accompanying person fee is 100€ and includes all social events. For the Conference dinner only the fee is 50€. Accompanying persons wishing to have lunch together with the conference participants can buy a lunch ticket day-by-day the day before 4pm (cost 20€) on a day-by-day basis.

All payments are possible via bank transfer or credit card before the conference, or credit card or cash during registration on site.

In case of cancellations received before **May 16<sup>th</sup>** the fees will be fully reimbursed, only with deduction of the intervened bank costs. After **May 16<sup>th</sup>** and in case of no-show the reimbursement will be limited to 80%.

## Accommodation

About 180 rooms are pre-booked in the 2 GIO hotels of the Congress center and several more are pre-booked in various Hotels in the center of town and can be held until **May 20<sup>th</sup> 2011**.

We recommend to use the Reservation service of the webpage, which goes through the Conference Agency (no extra charges) and to avoid making reservations by your own.

At time of booking a credit card number will be requested as guarantee, but no charge will be done. Cancellation with no charge will be possible up to 10 days before the first night, otherwise one night will be charged.

A few low-cost accommodations are also foreseen. Participants interested in these type of accommodation should not book the Hotel through the site and contact directly the Conference Organizers at [plhc2011@pg.infn.it](mailto:plhc2011@pg.infn.it).

## **List of prebooked Hotels**

HOTEL GIO' JAZZ AREA \*\*\*\*\*+ (CONFERENCE SITE)

Double room for single use E 88,00  
Double room (2 persons) E 120,00

HOTEL GIO' WINE AREA \*\*\*\* (CONFERENCE SITE)

Double room for single use E 73,00  
Double room (2 persons) E 100,00

HOTEL LA ROSETTA \*\*\*\* (CITY CENTRE)

Double room for single use E 90,00  
Double room (2 persons) E 120,00

HOTEL FORTUNA \*\*\* (CITY CENTRE)

Double room for single use E 78,00  
Double room (2 persons) E 99,00

HOTEL PRIORI \*\*\* (CITY CENTRE)

Double room for single use E 70,00  
Double room (2 persons) E 80,00

HOTEL MATER GRATIAE \*\* (NEAR CONFERENCE SITE)

Single room E 50,00  
Double room for single use E 60,00  
Double room (2 persons) E 70,00  
Triple room E 95,00

## **Meals during the conference**

The lunch coupons for the Buffet lunches are included in the conference fee of the participants. They can also be bought day-by-day till 4pm of the day before only for the accompanying persons and in some other particular cases (Cost 20€). The Restaurant GIO is open all days, for lunch and dinner, for private meals. In addition, a small number of restaurants are at walking distance from GIO and many more in the centre of town.

## **Responsibility**

The organizers of **PLHC2011** cannot accept any liability for personal accidents, loss or damage of the private property of the participants nor for damages caused by them to others or to others' properties during the Conference and its accompanying events

The registration does not include any form of insurance. Conference participants are therefore responsible for making their own insurance arrangements

## **Computing**

WLAN will be provided throughout the conference. In addition, several PCs will be available. Furthermore, a quiet room intended for the preparation of speakers will also be provided.

## **Conference Proceedings**

The proceedings of the Physics at the LHC 2011 conference will be edited and published electronically in book format with ISBN in a special site (egg SLAC ECONF) and will also be printed by an Italian editor after the conference. All speakers will be asked to contribute to the proceedings. Also the participants of the poster session will be given the opportunity to submit a short contribution to the proceedings.

If one wishes to receive a printed copy of the Proceedings one should request it in the Registration form and contribute partially to the printing costs with **25€**. Registered members of the Committees will receive a free copy by default. By experience we expect that the book (both electronic and printed) shall be available in spring 2012.

## **Practical Guidelines, Travelling, and Tourist Information**

### **Passport and Visa**

Please bear in mind that these are mere guidelines, for more information please contact the Italian Embassy or Consulate in your country and/or the local Authorities.

As of October 26, 1997, Italy adheres to the Schengen Agreement. Citizens of countries not adhering to this agreement may be allowed entry to Italy on the following conditions:

- entry must be at regular customs
- valid passport or equivalent travel documents acknowledged by Italian authorities
- papers proving the purpose of the voyage and stating means of transportation
- financial information must be provided as to how travel, accommodation and local expenses will be met
- valid visa, where necessary, for entry or transit
- exclusion from "persona non grata" lists of the Schengen system
- exclusion from international lists considered to be socially dangerous

NOTE: a foreign resident of a Schengen member state holding a valid stay permit is exempt from obtaining a visa provided that entry to Italy is not sought for hired work, independent work, or apprenticeship.



Any foreigner, although holding a valid visa, who cannot provide ALL of the above requirements can be turned down even at customs.

Financial information can be proven by showing cash, bank or insurance bonds, shares, prepaid service receipts or legalized papers showing revenue sources in Italy. All foreigners must prove accommodation in Italy and the appropriate amount of money to return home (a return ticket is sufficient). These requirements are not only necessary to obtain a valid visa **but they are also** necessary at moment of entry. Failure to provide all of the above requirements will cause entry permission to be revoked.

**Visa applicants are advised to apply as soon as they decide to attend the conference. Please allow at least 90 days for visas to be issued.**

Please indicate to the conference organisers at [plhc2011@pg.infn.it](mailto:plhc2011@pg.infn.it) if you need a formal invitation letter for a visa application.

Visa applicants should consult the Italian Embassies in their own countries concerning requirements to travel to Italy. If a formal letter confirming your registration is required, please send a request form as soon as possible including the following information:

- name, date of birth, and passport number,
- name of organization you belong to,
- information on transportation and accommodation,
- information on how transportation, accommodation and local expenses are to be funded.

In this letter the LOC can only transcribe the submitted data and cannot accept liability for any information provided during registration.

### **Duty Free Import**

Personal effects and professional equipment can be brought into Italy duty free as long as the customs officer deems their contents and quantities reasonable. Delegates from EU countries can easily bring in goods without any limit or formal measures.

### **Climate**

The average temperatures in Perugia during the period of the conference are min 14°C (58°F) and max 28°C (82°F).

### **Currency Exchange**

Euro is the currency in use accepted at regular stores and restaurants. Credit cards are widely accepted at almost all hotels, restaurants and souvenir shops. You can at foreign exchange banks and other authorize money exchange upon presentation of your passport.

Be aware that most banks are open Monday to Friday 8:30 a.m. to 1:30 p.m. and from 2:30 p.m. to 3:30 p.m.

### **Credit Cards**

VISA, MasterCard, Diners Club, and American Express are widely accepted credit cards at hotels, department stores, shops and restaurants.

## Electricity

The electrical current is 220-230V, AC, 50 Hz throughout Italy. Leading hotels in major cities have two outlets of 110 and 220 volts but usually with two-leg plugs only.

## Shopping

Shops and other sales outlets in Italy are generally open on weekdays and Saturdays from 09:30 a.m. to 8 p.m. but closed on Sundays and national holidays. Delegates residing outside the EU can reclaim the Value Added Tax (VAT) if they spend more than 175€ in the same shop.

## How to reach Perugia

### A-The best ways to reach Perugia are:

- 1- With car (all highways)- highly recommended
- 2- Landing in one of the Rome airports and rent a car – also highly recommended
- 3- Landing in one of the Rome airports and take the train: timetable and prices in [www.trenitalia.it](http://www.trenitalia.it)
- 4- Landing in Fiumicino airport FCO (Rome) and take direct coach to Perugia: timetable and cost in [www.sulga.it](http://www.sulga.it) – only good if times do match
- 4- Land in Milan MXP airport and connect with the flights to Perugia S. Egidio Airport ( see timetable in [www.airport.umbria.it](http://www.airport.umbria.it) ). From there Shuttle (3.5€) or taxi (about 20€) to Hotel-  
Only good if times match. At time of conference only one flight per day is foreseen.  
The Perugia airport is also connected daily by Ryanair to London-Stansed and Bruxelles-Charleroi.

### B-Approximate timings from:

- Rome Airports (200 km - 125 miles): car 2h: 30min - coach 3h: 30min - train 3h: 30min  
-- Rome Downtown (170 km - 105 miles): car 2h: 30 - coach 2h: 30 min - train 2h: 30min  
-- Florence (160 km - 100 miles): car 2:30h - coach 2:20h - train 2h: 30min  
-- Milan (450 km - 280 miles): car 5:00h - train 5:30h - plane 1h: 30min (MALPENSA MXP Airport)  
-- Naples (375 km - 233 miles): train 4:30h - car 5h  
-- CERN (750 km- 467 miles): car 8:00h

### C- Transportation from/to CERN

A special transportation with deluxe coaches (one or more) from / to CERN to/from the Perugia Hotels will be organized (depending on the number of the participants):

Dep. CERN Sunday June 5<sup>th</sup> around 9.00 am  
Arr. Perugia around 6.30 pm

Dep. Perugia Saturday 11<sup>th</sup> after the end of last session  
Arr. CERN around midnite

with stops at 2-3 "highway services" each way.

All interested participants should book this travel by contacting Kirsti Aspola (at CERN in 40-5A01 or send mail to: [kirsti.aspola@cern.ch](mailto:kirsti.aspola@cern.ch)) on a first come first served basis and pay at the latest by **May 16<sup>th</sup> 2011**.

The total estimated cost for the round-trip is 100 Euros/person if the coaches are full (to be compared with about double costs for a flight to Rome plus bus or train to/from Perugia with a total time not so much different) but it will increase if the coaches are not full (max 160 Euros). One-way only will be permitted at 60% of the total cost and only if there will be seats available. Instructions for payment (cash only in Euros) will be given at the time of booking.

**Please note: if the number of participants doesn't reach 20 by May 16<sup>th</sup>, 2011 the bus cannot be organized.**

### Important Dates

<b>1<sup>st</sup> March 2011</b>	Starting of the Registration procedure
<b>15<sup>th</sup> May 2011</b>	Deadline for submission of the abstracts of talks and posters
<b>16<sup>th</sup> May 2011</b>	Deadline for the payment of the reduced conference fee
<b>16<sup>th</sup> May 2011</b>	Deadline for booking the Coach from/to CERN to/from Perugia
<b>20<sup>th</sup> May 2011</b>	Deadline for Hotel booking in pre-booked Hotel rooms
<b>30<sup>th</sup> May 2011</b>	Closing of Registrations through the Website

This conference is sponsored also by:



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