



<http://www.nucleares.unam.mx/MPI2016/>

FIRST BULLETIN

(June 5, 2016)

MPI16 is the 8th International Workshop on Multiple Partonic Interactions at the LHC (MPI@LHC).

From the start of the experimental activity of the Large Hadron Collider, Multiple Partonic Interactions (MPI) are experiencing a growing popularity and are widely invoked to account for observations that cannot be explained otherwise. This includes associated hadron production (Underlying Event) in high-energy hadronic collisions, the rates for multiple heavy flavor production, the survival probability of large rapidity gaps in hard diffraction, etc. In particular Double Parton Interactions were observed directly and studied by a number of the FNAL and LHC experiments in different reaction channels. A recently introduced working group does focus on the study of high multiplicity final states in pp and pA interactions, where correlations in soft MPI may give rise to flow-like effect.

At the LHC a new QCD regime has now been reached, where MPIs occur with high rates. Understanding MPIs is therefore crucial, both for their significant contribution to the background of various processes of interest for the search of new physics and because MPIs are an interesting topic of research by itself, allowing to probe high energy - high density QCD dynamics and, as a consequence of the geometrical characteristics of the interaction, to obtain unprecedented information on the correlated structure of the QCD bound states.

The aim of this workshop is to provide an updated view of MPI studies, both experimental and theoretical, and to foster contacts between theoretical and experimental communities active in the field.

San Cristóbal de las Casas – home of MPI16.

For the first time an edition of this workshop takes place outside Europe, more specifically in San Cristóbal de las Casas, one of the so-called "magic town" of Mexico. San Cristóbal de las Casas is situated in a fertile valley surrounded by mountains in the southern state of Chiapas, home to several indigenous groups Maya descent like the Tzotzils and Tzeltals, who inhabit the highland villages surrounding San Cristóbal. Therefore, on top of the big scientific impact, the participation to the forthcoming edition of the MPI@LHC workshop will guarantee also a unique cultural experience.

Accommodation

We ask all participants of the meeting to make their own hotel reservation directly. Please use the following booking code: **MPI2016**

- [Hotel Rincon del Arco](http://www.rincondelarco.com/index_en.html): http://www.rincondelarco.com/index_en.html

810 MXN per night. Up to 50 rooms, Breakfast is included

- [Hotel Don Quijote](http://hoteldonquijote.com.mx/index_en.html); http://hoteldonquijote.com.mx/index_en.html

516 MXN per night. Up to 20 rooms. Ideal for students

Registration

The registration fee is 250 € (285 USD). The conference fee includes the participation fee at the conference, coffee breaks, lunches, conference dinner, welcome reception, as well as excursion. Please do your registration through the follow link:

<https://indico.nucleares.unam.mx/event/1100/registration/register#/register>

The payment will be at the conference desk.

Support

We encourage young researchers to participate and we will provide financial support for a limited number of applicants. There will be financial support for a substantial number of students and participants within 3 years of their Ph.D. The fellowship supports the registration fee and local expenses: accommodation, meals and transportation. Applications for fellowships can be submitted via e-mail starting on May 15, 2016. To apply for support, send a letter of recommendation, application letter and your CV to: guypaic@nucleares.unam.mx.

Abstracts

We invite you to submit an abstract at: <https://indico.nucleares.unam.mx/event/1100/overview> (deadline: September 15, 2016).

Reaching the venue

There are no direct international flights to Tuxtla Gutierrez, so travelers usually fly into Mexico City or Cancun and take one of the frequent flights to Tuxtla Gutierrez. Prices range from 2000 MXN up to 4000 MXN. Local companies like Interjet, Volaris and Aeromexico offer frequent and direct flights.

You should arrive to the Ángel Albino Corzo International Airport, also known as Tuxtla Gutierrez International Airport. We will organize the transportation from there to San Cristóbal de las Casas.

The former Convent of San Agustín is the venue of the MPI@LHC 2016 workshop. This beautiful building is now used as auditorium of the Faculty of Law of UNACH (Universidad Autónoma de Chiapas). It is located in the main square of San Cristóbal de las Casas, ~16 min walking distance from the hotels.

Looking forward to seeing you in Mexico!

The local organizing committee

(Gabriel Ascencio, Paolo Bartalini, Eleazar Cuautle, Arturo Fernández, Antonio Ortiz, Lizardo Valencia, Guy Paić, Arnulfo Zepeda)