

9th International Workshop on Multiple Partonic Interactions at the LHC

Hotel Peterhoff, Shimla, India
11-15 December 2017



<https://indico.cern.ch/event/625304/>

First Bulletin

MPI17 is the 9th 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 (MPIs) 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.

Place of the Workshop

Shimla is one of India's most popular hill resorts, buzzing with a happy flow of Indian vacationers and full of relics of its previous life as the summer capital of British India. The majestic snow clad mountains, stunningly rich greenery and the beautiful lakes in the land of Shimla greet you to enjoy their timeless beauty: the long, winding main street, the Mall, runs east and west just below the spine of hill. Traffic is banned from the central part of town, so walking is pleasant-even when huffing and puffing uphill. Workshop will be organized in heritage hotel Peterhoff which housed Viceroy and Governor Generals before independence.

Registration

Registration for the workshop starts on 15th May 2017. Early registration fee (till 30th September) is 200 Euro for students/postdocs and 250 Euro for faculty.

Conference fee includes: Conference bag/stationary, Lunches, Coffee/Tea, Welcome Reception, Banquet Dinner, Excursion. Please do the registration using following link:

<https://indico.cern.ch/event/625304/registrations/34609/>

Support

Financial support is available for limited number of participants. Young participants, who are within 3 years of their Ph.D., can apply for this grant. This grant will cover a substantial part of the registration fee. Applications for fellowships can be submitted via e-mail starting on May 15, 2017. Please send application to Prof. J. B. Singh (singhjb@pu.ac.in) with cc'ing mpiatlhc2017@gmail.com including a letter of support by 15th October 2017.

Accommodation

Participants are requested to make bookings themselves. The detail of the recommended hotels will be soon mentioned.

<https://indico.cern.ch/event/625304/page/10052-accommodation>

Abstracts

We invite you to submit an abstract (by 1st November 2017) at:

<https://indico.cern.ch/event/625304/abstracts/>

Reaching the Venue

Nearest airport to Shimla is Chandigarh. You can get direct connection to Chandigarh via Sharjah and Dubai. Other option is to get international flight to any major Indian city i.e. Delhi, Mumbai, Kolkata and Chennai. There are many domestic flights i.e. Air India,

Indigo, Spice Jet connecting these cities with Chandigarh. We will arrange transport from Chandigarh to Shimla. Detailed information is available at;

<https://indico.cern.ch/event/625304/page/10051-travel-information>

Looking forward to meet you in Shimla!

Organizers

Manjit Kaur, J. B. Singh, Paolo Bartalini, Devinder Mehta, Kajari Mazumdar, Raman Sharma, Vipin Bhatnagar, Sunil Bansal, Lokesh Kumar, Monika Bansal