

FIRST INTERNATIONAL WORKSHOP ON MULTIPLE PARTONIC INTERACTIONS AT THE LHC

1st MPI@LHC Perugia, Italy, 27.10- 31.10, 2008

Conference web site: <http://www.pg.infn.it/mpi08/index.htm>

BULLETIN # 2

Welcome to the first International Workshop on Multiple Partonic Interactions at the LHC “1st MPI@LHC” that will be held from 27 October to 31 October, 2008 in Perugia (Italy), which can be regarded as a continuation and extension of the dedicated meetings held at DESY in the years 2006 and 2007: <https://www.desy.de/~jung/multiple-interactions/>

The objective of this first workshop on Multiple Partonic Interactions (MPI) at the LHC is to raise the profile of MPI studies, summarizing the legacy from the older phenomenology at hadronic colliders and favouring further specific contacts between the theory and experimental communities.

The MPI are experiencing a growing popularity and are currently widely invoked to account for observations that would not be explained otherwise: the activity of the Underlying Event, the cross sections for multiple heavy flavour production, the survival probability of large rapidity gaps in hard diffraction, etc. At the same time, the implementation of the MPI effects in the Monte Carlo models is quickly proceeding through an increasing level of sophistication and complexity that in perspective achieves deep general implications for the LHC physics.

The ultimate ambition of this workshop is to promote the MPI as unification concept between seemingly heterogeneous research lines and to profit of the complete experimental picture in order to constrain their implementation in the models, evaluating the spin offs on the LHC physics program.

Scientific Advisory Committee:

- P. Bartalini (National Taiwan University, Taipei, TW)
- J. Butterworth (University College London, London, UK)
- L. Fanò (Istituto Nazionale di Fisica Nucleare, Perugia, IT)
- R. Field (University of Florida, Gainesville, US)
- I. Hinchliffe (Lawrence Berkeley National Laboratory, Berkeley, US)
- H. Jung (Deutsches Elektronen-Synchrotron, Hamburg, DE)
- S. Lami (Istituto Nazionale di Fisica Nucleare, Pisa, IT)
- A. Morsch (European Organization for Nuclear Research, Meyrin, CH)
- G. Pancheri (Istituto Nazionale di Fisica Nucleare, Frascati, IT)
- M. Schmelling (Max-Planck-Institut für Kernphysik, Heidelberg, DE)
- T. Sjöstrand (Lunds Universitet, Lund, SE)
- Y. Srivastava (Università degli Studi di Perugia, Perugia, IT)
- J. Stirling (Institute for Particle Physics Phenomenology, Durham, UK)
- M. Strikman (Pennsylvania State University, University Park, US)
- D. Treleani (Università degli Studi di Trieste, Trieste, IT)

Workshop Secretary:**Livio Fano', Attilio Santocchia**

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Local Advisory Committee:

F. Ambrogini, G. M. Bilei, G. Chiocci, L. Fanò, A. Santocchia

(Universita' di Perugia and Istituto Nazionale di Fisica Nucleare, Perugia, IT)

Format of the workshop:

Only plenary talks over the week. 60 invited participants, 25% of the invitations reserved for young participants (PhD students, young post-docs).

Conference venue: : The Conference will be held at the "Oratorio S. Cecilia" in downtown Perugia. The address is: Oratorio S. Cecilia, via Fratti, 06100 Perugia, Italy.

If needed, additional working sessions will take place in the S. Cecilia or at the Department of Physics, via Pascoli, 06100 Perugia, Italy (further information will be available in situ).

Schedule Overview:

Sunday	Time	Location	Activity
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October 26			
	18:00 – 20:00	Hotel "La Rosetta"	Registration
	From 20	Hotel "La Rosetta"	Welcome party
Monday	Time	Location	Activity
October 27			
	09:00 – 09:30	S. Cecilia	Welcome, Opening
	10:00 – 13:00	S. Cecilia	Plenary Session 0 Hot topics (P. Bartalini, Y. Srivastava)
	13:00 – 14:30	Bellini Restaurant	Lunch Break
	14:30 – 18:30	S. Cecilia	Plenary Session 1 Soft & Hard MPI (A.Moraes, R.Field, M.Strikman)
	From 20	Free	dinner
Tuesday	Time	Location	Activity
October 28			
	09:00 – 13:00	S. Cecilia	Plenary Session 1
	13:00 – 14:30	Bellini Restaurant	Lunch Break
	14:30 – 18:30	S. Cecilia	Plenary Session 2 Small-x physics and diffraction (L.Frankfurt, H.Jung)
	From 20	Restaurant – Stella	Social Dinner
Wednesday	Time	Location	Activity
October 29			
	09:00 – 13:00	S. Cecilia	Plenary Session 2
	13:00 – 14:30	Free	Lunch Break
	From 14:30	Excursion	Excursion
Thursday	Time	Location	Activity
October 30			
	09:00 - 13:00	S. Cecilia	Plenary Session 3 Monte Carlo Models (T.Sjostrand, J.Butterworth)
	13:00 - 14:30	Bellini Restaurant	Lunch Break
	14:30 - 18:30	S. Cecilia	Plenary Session 3/4 Heavy Ions (D.D'Enterria, D.Treleani)
	From 20	Free	Dinner
Friday	Time	Location	Activity
October 31			
	09:00 – 13:00	S. Cecilia	Plenary Session 4 /END

Program of the workshop. The program of each plenary session is determined by the scientific committee and chaired by the session conveners. The topics will include: Soft MPI (Minimum Bias, Underlying Event, Mini-jets, etc.), Hard MPI (Multi-jet & Double

Boson production, Impact on Searches, etc.), MPI effects in the rapidity gap events (diffraction, double Pomeron, etc.), Monte Carlo Models (Dampening of the x-sections, Interleaved Interactions, Coherence, Tuning, etc.) and Heavy Ions (Quarkonia production, MPI anti-shadowing effects, etc.).

The workshop will allow the organization of working sessions and informal meetings in the afternoon.

Important deadline dates

Abstract submission	July 15, 2008
Registration	July 31, 2008
Hotel booking	July 31, 2008
Paper submission (for Proceedings)	December 15, 2008

Transportations:

A bus will be available from Fiumicino airport to Perugia on Sunday 26 at 4.30 pm – Arrivals terminal B - ticket is 20,00 euro

By car

Map is available at this site

<http://www.viamichelin.com/viamichelin/gbr/tpl/hme/MaHomePage.htm>

Type under driving directions Departure the place from where you are leaving and under Destination city Perugia, Italy. You will get a map with directions.

In any case

- If you are driving from BOLOGNA exit at CESENA toll-gate (on highway A-14 Bologna-Ancona). Then proceed on connecting-road E-45 towards PERUGIA
- from FIRENZE exit at Valdichiana toll-gate (on highway A-1 Firenze-Roma). Then proceed on connecting-road E-45 towards PERUGIA
- from ROMA. Take the highway A-1 direction of Firenze. Exit at ORTE toll-gate. Proceed to Perugia

By train:

You can check the train time table at this site.

<http://www.trenitalia.it/en/index.html>

If you come from Firenze you might have to change train in Terontola and continue for Perugia (only few trains connect Firenze-Perugia directly).

If you come from Roma you have 2 equivalent lines and possibilities:

Line 1 Roma-Foligno (on the Roma – Ancona line), change train in Foligno and continue for Perugia (only few trains connect Roma-Perugia directly).

Line 2 Roma-Terontola (on the Roma – Firenze line), change train in Terontola and continue for Perugia (only few trains connect Roma-Perugia directly).

Perugia-Fontivegge main railway station is connected by bus or by mini-metro to the downtown.

You can also get a taxi just outside the train station on your left or in case is late call radio taxi 075 500.4888.

By airplane:

Roma-Fiumicino International Airport is about 200 km away from Perugia.

-You can rent a car in Fiumicino Airport and follow driving instruction given above from Roma.

-You can get the train from Fiumicino Airport to Roma Termini Train Station and change the train for Perugia.

Check train time table and info above.

-You can get the bus from Fiumicino airport to Perugia. The bus line is called SULGA.

If you arrive on Sunday, there are two departures from Fiumicino Airport in front Terminal C. The First one leaves at 12.30 (arrival in Perugia 16.15). The second one leaves at 16.30 (arrival in Perugia 20.15).

Perugia-S.Egidio airport is close to Perugia (about 10 km). Two daily flights connect Perugia to Milano-Malpensa (and return). The flights from/to Malpensa are very well connected with several international destinations. But the airplanes to Perugia are small so you must reserve well in advance and always check the actual times.

A free shuttle is available for connection from/to Perugia main hotel

You can check the flight schedule for Perugia airport arrivals and departures here:

<http://www.airport.umbria.it/aeroporto/paginefoto/arrivi.htm>

<http://www.airport.umbria.it/aeroporto/paginefoto/partenze.htm>

Registration:

A Registration Desk will be available at the S. Cecilia. It will open during the following hours:

Sunday, October 26	18:00-20:00
Monday, October 27	8:00-12:00
Tuesday, October 28	9:00-12:00
Wednesday, October 29	Closed
Thursday, October 30	9:00-12:00
Friday, October 31	9:00-12:00

Phone, Fax and Postal services are easily available in downtown Perugia.

The following services will be provided in the Registration Area:

Copying Service:	Info-Center
Terminal room	Info-Center
Messages	Info-Center

Other Conference Information

Registration/Fee: The fee is fixed at 250,00 €. It includes the organization expenses (meals and coffee breaks) and the *welcome party* on Sunday. An additional contribution of 40,00 € will be requested for the Tuesday social dinner and the excursion.

A reduced fee of 150,00 € will be applied to the accompanying persons and includes the welcome party, meals, social dinner and the excursion. The conference fee can be paid at the registration desk on arrival.

Please note: only cash euro can be accepted for the Fee payment.

Presentation Display: Electronic display of presentations (PowerPoint, PDF) is strongly encouraged. Speakers wishing to display their presentation electronically are requested to send their presentation in electronic format with at least one day advance to the scientific secretariat.

Proceedings: Workshop proceedings will be published as "SLAC Electronic Conference Proceedings". All speakers are expected to contribute; further instructions will be given at the later stage.

Currency: Euro

Accommodation: Rooms are reserved for the Workshop in the downtown hotels. Main accommodation will take place in the hotel "La Rosetta". Further accommodation possibilities and details about deadline will be added in the second bulletin.

La Rosetta (**)**

50 rooms available for the WS

Piazza Italia, 19

06100 Perugia

<http://www.perugiaonline.com/larosetta/>

Tel/Fax: +39-075-5720841

Single room: 80€

Double room: 100€

(Breakfast included)

Pensione ROSALBA ()**

10 rooms available available for the WS

Via del Circo, 10

06100 Perugia

<http://www.hotelrosalba.com/>

Tel: +39-0755720626 - +39-0755728285

Single room: 47€

Double room: 60€

(Breakfast not included)

Social Program: An historical tour of the city is organized on Wednesday 28 in the afternoon.

