

BEACH2010

The IX International Conference on Hyperons, Charm and Beauty Hadrons



Perugia, Italy
Aula Magna - University of Perugia
June, 21-26 2010

www.pg.infn.it/beach2010/

2nd BULLETIN - May 2010

GENERAL INFORMATION

The IX International Conference on Hyperons, Charm and Beauty Hadrons (BEACH2010) will be held in Perugia, Italy, from 21 to 26 June 2010. The conference, ninth of a series started in Strasbourg in 1995, offers a biennial opportunity for the community of High Energy Physicists, both experimentalists and theorists, to get together and discuss topical issues. The 2010 conference will take place in the Aula Magna of the University of Perugia: it will begin on Monday 21 June and end with a summary talk at the conclusion of the morning session on Saturday 26 June. The afternoon of Wednesday 23 June is reserved for a half-day excursion.

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 Giosuè Carducci, is to a certain extent 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 for the *Umbri* tribe who settled there in protohistoric times (6th 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.

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

SCIENTIFIC PROGRAM

The BEACH conferences aim to cover a broad range of particle physics topics in the field of hyperon and heavy-flavor physics and to create an informal atmosphere among participants, with plenty of opportunities for discussions and developing contacts. The community of High Energy Physicists, from graduate students

to senior researchers, both experimentalists and theorists, is strongly encouraged to participate in the conference. Continuing the tradition of the BEACH series, all of the sessions will be plenary. The program will accommodate review talks (20 – 30 minutes) and short contributions (10 – 15 minutes).

A non-exhaustive list of topics includes:

- K, charm and B meson decays
- Symmetry violations
- Physics beyond Standard Model (BSM)
- Heavy quark production in hadron and lepton interactions
- Quarkonium spectroscopy and production
- Advances in theoretical calculations
- Hyperon physics
- Top quark physics
- New experimental facilities and projects
- Selected topics on lepton flavor physics

CONFERENCE HISTORY

- 1995 Strasbourg, France
- 1996 Montreal, Canada
- 1998 Genoa, Italy
- 2000 Valencia, Spain
- 2002 Vancouver, Canada
- 2004 Chicago, USA
- 2006 Lancaster, UK
- 2008 Columbia, USA

CONFERENCE WEBSITE

All useful information – conference program, abstract submission, registration, accommodation and links to logistics, tourism, dining and transportation are available from the website <http://www.pg.infn.it/beach2010/>.

REGISTRATION

Conference registration is available online via the conference website. For those who register by May 15th, 2010, an early registration fee of 360 € is available. After this date the registration fee will become 400 €. The registration fee covers proceedings, coffee breaks, 5 buffet lunches (Monday to Friday included) near the conference venue, social events. A contribution of 100 € for a person accompanying a registered participant will cover his/her participation to social events. The accompanying person, if so he/she wishes, may have lunches together with the conference participants. In this case an additional lump sum contribution of 100 € will be charged; this additional contribution will cover the 5 lunches. Note that, for organizational reasons, individual lunches cannot be bought separately. Please make sure to check these options when filling the registration form. The organizing committee encourages participation to the full conference and for this reason fees and accompanying person charges cover the entire duration of the conference: no special reduced rates are available for shorter stays. Lunches will be served in the four-sided courtyard of Palazzo Murena, the University of Perugia's Rectorate, close to the Aula Magna. Palazzo Murena is an 18th century residence – designed in 1740 by the architects Luigi Vanvitelli and Carlo Murena – that once was the University Archaeological Museum. It still houses a collection of epigraphic casts in the Etruscan language.

The conference website provides information about the payment of the registration and other fees. The registration desk will open Monday morning June 21, 8:30 am, at Palazzo Murena, close to the Aula Magna of the University of Perugia and will be available during the morning sessions for the first 3 days of the conference. Participants who made a bank transfer and did not send a copy of the bank remittance receipt to the Conference Secretariat are kindly requested to bring it to the conference reception desk. Payment on site can be made in cash at check-in: only euro will be accepted.

COMPUTER FACILITIES

Computer terminals will be available close to the conference venue during daytime and early evening hours. Wireless Internet access will also be available in the areas surrounding the Aula Magna.

ACCOMMODATIONS

At the time of the conference, when summer is approaching, it may become difficult to find an hotel accommodation in Perugia. A block of rooms in the old town hotels close to the conference venue have been pre-booked at a special conference rate. Booking room by May 15th is strongly advised, since after that date the reservations will be released and rates will not be guaranteed any more. Full details on accommodations and reservations are available from the conference website.

ABSTRACT SUBMISSION

The deadline for abstract submission is May 1st, 2010. The conference website indicates the way to submit abstracts electronically. The list of accepted abstract and the conference program are released after that deadline. In exceptional cases, if there is a slot available, later submissions may be accepted.

DEVELOPING NATIONS PARTICIPANTS

This conference series has traditionally covered local expenses for a limited number of participants from developing nations. As many as four such fellowships may be awarded for the 2010 edition. They may include a waiver of the registration fee and, in certain special cases, a subsidy for accommodations. Priority will be given to applicants who have not been funded in the previous BEACH conferences and who do not come from North America, western Europe and Japan. More information are available from the conference web site.

EXHIBITONS

The Conference offers an opportunity for supporting branches of particle physics to present their products. A limited number of exhibition stands of industrial products from instrumentation and related industrial areas, as well as journal and books, both purely scientific and popularizing science, will be made available during conference time, from Monday, June 21 to Friday, June 25. Companies are kindly invited to participate in the exhibition. More information are available from the conference web site.

PROCEEDINGS

Contributions to this conference will be published in Nuclear Physics B Proceedings Supplements after peer-review. Each registered participant will receive a bound copy of the proceedings at no extra cost.



SOCIAL EVENTS

Monday June 21: Welcome Reception

A welcome cocktail will be served, starting from 19:00, in the courtyard of Palazzo Murena, the University of Perugia's Rectorate, close to the Aula Magna.

Tuesday June 22: Concert

A performance of piano and violin is under organization in the Aula Magna of the University for Foreigners of Perugia, starting at 21:00.

Concert by the Duo Physarmonia of the Perugia Physics Department (Dr. C.B. Mezzetti, violin – Prof. G.C. Mantovani, piano)

Composers: J.S.Bach, A. Dvorak, F. Schubert, M. Tournier, A. Vivaldi

Wednesday June 23: Excursion

A half-day excursion to the medieval city of Bevagna, in the Sagrantino wine region, has been organized for registered participants and accompanying persons.

The visit comprises the participation to “Il Mercato delle Gaitè” (the “Gaitè Market”), as well as a wine-and-cheese party with tasting of local food and wine.

“Il Mercato delle Gaitè” is a medieval historical re-evocation which takes place in Bevagna every year, since 1983. From 18 to 27 June 2010, products for sale are faithful to the flavors of the High Middle Ages.

Performances, concerts, conferences and medieval flavour characterize the event that evokes the ancient division of the city into four quarters: the so-called “Gaitè”.

More information can be found from www.ilmercatoделlegaitè.it (only italian) and from http://www.bellaumbria.net/Bevagna/mercato_delle_gaitè_eng.htm (english, 2009 edition).

- 13:30 The buses will leave the conference site from Piazza dell’Università, close to Aula Magna.
- 14:30-19:00 Guided tour: principal attractions of the city of Bevagna, “Il Mercato delle Gaitè” and its exhibitions.
- 19:00-20:00 Wine & Cheese tasting party will take place at “Taverna Gaita Santa Maria”, a typical location in medieval style.
- 20:30 Departure to Perugia where the arrival is expected around 21:30. The bus will stop at Hotel Giò, Hotel Europa (in front of the escalator to Perugia city center), Piazza Partigiani (escalator to Perugia city center) and Hotel Perusia.

Friday June 25: Conference Dinner

The Conference Dinner will take place in the Monterone Castle (link www.castellomonterone.com) located in the green valley, only 3 km from the historical city center of Perugia. People needing special meals are kindly requested to contact BEACH2010 organizers in advance.

- 19:45 The buses will leave from the Minimetro parking place located nearby the Perugia railway station and will reach the restaurant around 20:00.

After the dinner buses will return to Perugia, stopping at Hotel Giò, Hotel Europa (in front of the escalator to Perugia city center), Piazza Partigiani (escalator to Perugia city center) and Hotel Perusia.

Saturday June 26: Optional excursion (on request only)

An optional half-day excursion has been organized for people wishing to visit Assisi and S. Maria degli Angeli in the afternoon of Saturday, June 26. The visit comprises the Basilica of Santa Maria degli Angeli (<http://www.porziuncola.org/home> , <http://www.bellaumbria.net/Assisi/santa-maria-degli-angeli.htm>)

standing in the plain laying at the feet of the hills of Assisi protecting the Porziuncola, where San Francesco is said to have founded the first group of the Order of the "Fratelli Minori" (Minor Friars) in 1209, and the Chapel of the "Transito" where the saint died on October 3rd 1226.

In Assisi a guided tour will take place following the footsteps of the well-known Giotto painter visiting in particular the church of St. Francis of Assisi (link http://www.bellaumbria.net/Assisi/st_francis.htm) which rises up today in the place where the Saint had chosen to be buried, in the area of Assisi which was famous in the Middle Ages as the "hill of hell".

The bus will leave the conference site from Piazza dell'Università, close to the Aula Magna at 14:00 and return to Perugia around 20:00. The bus will stop at Hotel Giò, Hotel Europa (in front of the escalator to Perugia city center), Piazza Partigiani (escalator to Perugia city center) and Hotel Perugia.

Itinerary: Basilica of Santa Maria degli Angeli, Basilica of San Francesco (visit with audioguide only at the cost of 1.80 € per person), Piazza del Comune, Tempio della Minerva, Chiesa Nuova, Oratorio San Francesco, Santa Chiara.

The **cost** will depend on the number of participants:

- 16 people: 44 € per person (695 € total cost)
- 17 - 29 people: 43 - 25 € per person (728 € total cost)
- 30 - 50 people: 28 - 17 € per person (838 € total cost)

The cost (to be paid at the registration desk) includes transportation by bus, guided visits of S. Maria degli Angeli and Assisi and does not include any meal nor beverages.

Interested people should contact asap (and in any case **not later than June 20**) BEACH 2010 organizers (beach2010@pg.infn.it).



IMPORTANT DATES

Deadline for abstract submission: May 1st, 2010

Deadline for early registration and hotel reservation: May 15th, 2010

Deadline for registration: June 15th, 2010



ORGANIZING COMMITTEE

Patrizia Cenci - INFN Perugia (chair)
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INTERNATIONAL ADVISORY COMMITTEE

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