

# **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/](http://www.pg.infn.it/beach2010/)

**BULLETIN - March 2010**

### **GENERAL INFORMATION**

The IX International Conference on Hyperons, Charm and Beauty Hadrons (BEACH2010) will be held in Perugia, Italy, from 21 June 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<sup>st</sup> June and end with a summary talk at the conclusion of the morning session on Saturday 26<sup>th</sup> 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 conference aims to cover a broad range of 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
- Highlights in weak interaction measurements
- New experimental facilities and projects.

## 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 and reservation, as well as links to logistics, social events, tourism, dining and transportation – are available from the conference website: <http://www.pg.infn.it/beach2010/> .

## REGISTRATION

Conference registration is available online via the conference website. For those who register by May 15<sup>th</sup>, 2010, an early registration fee of 360 € is available. After this date the registration fee will become 400 €. The registration fee covers proceedings, social events (welcome party, conference banquet, excursion), coffee breaks, 5 buffet lunches (Monday to Friday included) near the conference venue.

A contribution of 100 € for a person accompanying a registered participant will cover his/her participation to all social events (welcome party, conference banquet, excursion). 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 upon registration. This additional contribution will cover the 5 lunches.

Note that, for organizational reasons, individual lunches cannot be bought separately. Please make sure to check all 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.

The conference website provides information about the payment of the registration and other fees. The registration desk will open Monday morning June 21<sup>st</sup> at the Aula Magna of the University of Perugia and will continue during the morning sessions for the first 3 days of the conference.

## **ACCOMMODATION**

At the time of the conference, when summer is approaching, it is very difficult to find an hotel accommodation in Perugia. A block of rooms in the old town hotels and close to the conference venue have been pre-booked at a special conference rate. Booking room by May 15<sup>th</sup> 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.

## **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. Applications should be directed to the Chair of the organizing committee and e-mailed to [beach2010@pg.infn.it](mailto:beach2010@pg.infn.it). E-mail must include a cover letter, an abstract to be submitted to the conference, and a letter from the director of the applicant's institution. The letter should stipulate that the home institution will fully underwrite the cost of round-trip transportation to Perugia, meals, and any other necessary expenses not covered by the fellowship. Please include "BEACH2010 Fellowship" in the subject line of your email. The application deadline is April 25<sup>th</sup>, 2010.

## **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. The deadline for the registration as an exhibitor is May 15<sup>th</sup>, 2010. More information are available from the conference web site.

## **COMPUTER FACILITIES**

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

## **ABSTRACT SUBMISSION**

The deadline for abstract submission is May 1<sup>st</sup>, 2010. Electronic abstract submission is available from the conference website. A registration to the INFN INDICO repository is required to submit abstracts, which will also allow authors to update/modify their abstracts and to upload talks.

## PROCEEDINGS

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

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### IMPORTANT DATES

**Deadline for support requests: April 25<sup>th</sup>, 2010**  
**Deadline for abstract submission: May 1<sup>st</sup>, 2010**  
**Deadline for registration as an exhibitor: May 15<sup>st</sup>, 2010**  
**Deadline for early registration and hotel reservation: May 15<sup>th</sup>, 2010**

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### ORGANIZING COMMITTEE

Patrizia Cenci - INFN Perugia (chair)  
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Maurizio Biasini - University of Perugia & INFN Perugia  
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## SCIENTIFIC SECRETARIAT

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Evelina Marinova - INFN Perugia  
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Ilaria Binaglia - INFN Perugia

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## TECHNICAL ASSISTANCE

Enrico Becchetti - INFN Perugia  
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## CONTACTS

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