



# Frontier Detectors for Frontier Physics

## 13<sup>th</sup> Pisa Meeting on Advanced Detectors

24–30 May 2015 • La Biodola, Isola d'Elba (Italy)

### BULLETIN n. 1

This is the first announcement of the 2015 Pisa Meeting on Instrumentation that will be held at

*La Biodola, Isola d'Elba, Italy*

*May 24-30, 2015*

This meeting is the thirteenth of a series<sup>1</sup> initiated in Tirrenia in 1980 and continued in Castiglione della Pescaia and La Biodola devoted to advanced detectors for high energy and astroparticle physics experiments. The meeting is sponsored by the Istituto Nazionale di Fisica Nucleare (INFN), the Società Italiana di Fisica (SIF), the European Physical Society (EPS), the University of Pisa and the University of Siena.

#### Program

Aim of the meeting is to review the progress in detector technology with emphasis on applications in future experiments. The program will include sessions on

- New ideas on detection techniques
- Trends in tracking, calorimetry and particle identification
- Ground, sea and space based detector systems
- Detectors for astroparticle physics and cosmic radiation
- Detectors for fundamental physics and gravitational waves
- Neutrino detectors
- Synchrotron radiation, X-ray and photon detectors
- Front-end electronics and trigger systems
- DAQ and data management
- Techniques for simulations and data analysis
- HEP techniques in medicine, biology and related fields
- Applications to cultural heritage, environment monitoring and homeland security
- Applied superconductivity in HEP
- Acceleration techniques and detectors for beam monitoring
- Technology transfer and industrial applications

The meeting will be organized as a series of plenary half-day sessions, each addressing one or more specific topics of interest.

An exhibition of products by companies active in the field of the instrumentation for high energy physics will take place during the meeting.

A preliminary program, with session schedule and conveners, will appear on the web site as soon as available.

#### Attendance and Registration

Attendance is limited to about 300 researchers. Participants are expected to attend the meeting for its full duration. Invited colleagues willing to participate should use the Internet Registration procedure available on the Conference web site.

**The deadline for registration is March 15, 2015**

#### Contributions and abstracts

Contributions to the Conference will be either talks or posters. Part of the time is devoted to invited reviews of important topics. The average allocated time for oral presentations is in the interval 15/20 min. The sessions conveners will define the detailed program and will notify in due time the authors of the acceptance of their contributions for oral or poster presentation. For each Conference Session a summary talk will present the relevant aspects of all the related posters. Researchers interested in contributing to the scientific program are invited to fill in the proper section of the Registration Form.

Companies are invited to submit contributions on innovative products or technologies.

Contributors to the Conference, for talks and poster as well, are requested to submit a brief abstract, *120 words or 15 lines maximum length*, by using the form available on the Conference web pages.

**The deadline for abstracts submission is March 15, 2015**

<sup>1</sup> <http://www.pi.infn.it/pm/>

Contributors are expected to provide an electronic version of their presentation in a portable format (e.g. Postscript, Power Point or PDF). More details will be indicated in the next bulletin.

The Proceedings will be published as a special issue of Nuclear Instruments & Methods A. All the contributing authors are requested to prepare a paper and upload it on the appropriate conference web page. The format must follow the prescriptions of NIM-A.

### Working hours

There will be two daily sessions, from 8.30 to 12.30 a.m. and from 4.00 to 7.30 p.m.

### Conference fee

Conference fee is € **450.00** (EPS members € 400.00, students € 200.00). It includes cost of proceedings, two-way bus transportation from/to Rome or Pisa Airport to/from the hotels, coffee breaks, gala dinner and social events.

Registration fee can be paid:

- by bank transfer (advanced payment) to

**Associazione Frontier Detectors for Frontier Physics**

**IBAN: IT80L0103014003000000316237**

**BIC: PASCITM1PI2**

Ref: **Participant's name - PM2015 fee**

(transfer fee at the sender's charge)

- on site at the Meeting Registration upon arrival

All major currencies will be accepted, as well as EC and personal cheques.

**We are not able to accept credit cards for the payment of the Conference fee**

### Hotel accommodation

The Conference hall and the hotels are located in La Biodola area. La Biodola is a beautiful little bay on Elba Island. Elba is the biggest island of the Tuscan Archipelago in the Tyrrhenian Sea and is a major holiday resort, famous for its natural beauties, its history and its vineyards. The island is located 10-km offshore, about 80 km south of Pisa and about 250 km north of Rome.

Participants sharing a double room or coming with companions will be accommodated, unless otherwise requested, in two seaside first class Hotels, the *Hotel Hermitage* (HH) and the *Hotel Biodola* (HB), located very close to each other in an isolated area approximately 10 Km from Portoferraio. The Conference hall is located in the Hotel Hermitage site. Only a few single rooms are available at the Hermitage and Biodola Hotels.

**Single rooms** will be available in the first class seaside *Hotel del Golfo* (HG) located at about 6 Km from the Conference area. On request, participants sharing double rooms or with family can also be accommodated at a significant reduced rate at the Hotel del Golfo. A bus shuttle service from this hotel to the Conference site will be provided twice per day. **Breakfast and dinner are foreseen at the Hotel del Golfo, lunch will be served at the Hermitage Hotel.**

Full-inclusive accommodation fees for the Hotel Hermitage (HH) or the Hotel Biodola (HB) are reported below:

| HH or HB          | €full period | €per day | Accommodation        |
|-------------------|--------------|----------|----------------------|
| Participants      | € 900.00     | € 170.00 | double room          |
| Adult companions  | € 650.00     | € 120.00 | double room          |
| Children under 10 | € 300.00     | € 50.00  | same room as parents |
| Children under 2  | free         | free     | same room as parents |
| Extra charge      | € 300.00     | € 50.00  | single room          |

Full-inclusive accommodation fees for the Hotel del Golfo (HG) are reported below:

| HG                | €full period | €per day | Accommodation        |
|-------------------|--------------|----------|----------------------|
| Participants      | € 720.00     | € 130.00 | double room          |
| Adult companions  | € 550.00     | € 100.00 | double room          |
| Children under 10 | € 240,00     | € 40.00  | same room as parents |
| Children under 2  | free         | free     | same room as parents |
| Extra charge      | € 180.00     | € 30.00  | single room          |

|  |   |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
|--|---|--------------------------------|-------------------------|---|-----------------------|-----------------------------------|-----------------------|----------|---------------------|-------------------|------------------------|--------------------------------------|---------------------|------------|---------------------|--|--|
|  | <p>The above full period fees include full board accommodation, from Sunday May 24 dinner to Saturday May 30 breakfast and full use of the hotel sport facilities.</p> <p><b>Hotel accommodation has to be paid directly at the reception of the Hotel. Major currencies, traveller and personal cheques, and credit cards will be accepted.</b></p> <p>This beautiful and comfortable accommodation at a reasonable cost has a counterpart: as already said, participants are expected to attend the meeting for its full duration.</p>  |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| <p><b>Special for students</b></p>         | <p>For students or young colleagues willing to participate in the meeting, a cheaper accommodation is available in a bungalow residence or in a second class hotel, about 200 m from the La Biodola Hotel. The full inclusive accommodation fees are € 500.00, for the full period, in double room per person.</p> <p><b>Breakfast and dinner are foreseen at the Residence/Hotel, lunch will be served at the Hermitage Hotel</b></p>  |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| <p><b>Grants for young researchers</b></p> | <p>The Organizing Committee of the 13<sup>th</sup> Pisa Meeting has decided to provide <b>10 grants of €500,00 each for young researchers</b> (maximum 35 years old).</p> <p><b>The grant includes a contribution to the accommodation fee of €500,00 and the waiving of the registration fee</b></p> <p>Young researchers willing to apply, should send to <a href="mailto:pisameet@pi.infn.it">pisameet@pi.infn.it</a> the following documents:</p> <ul style="list-style-type: none"> <li>• A CV also reporting recent research interests</li> <li>• Two reference letters</li> </ul> <p><b>The deadline for application is January 31, 2015</b></p> <p>The selected researchers will be notified by <b>February 15<sup>th</sup></b> and the list of names will be published on the web site.</p>  |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| <p><b>Conference Awards</b></p>            | <ul style="list-style-type: none"> <li>• The Executive Board of the Frontier Detector for Frontier Physics Association has decided to award <b>three Pisa Meeting Prizes of € 1.000 each</b> to talented young scientists active in detection techniques development and contributing, by talk or poster, to the scientific program of the Conference.<br/><b>The selection will be made by an International Committee formed by colleagues attending the Conference.</b></li> <li>• The publisher and the editors of Nuclear Instruments and Methods in Physics Research deliberated <b>two Elsevier Young Scientist Awards of €750 each</b> to young scientists with at least 2 years of PhD experience, in memory of <b>Prof. Glenn Knoll</b>.<br/><b>The selection will be made by an International Committee formed by colleagues attending the Conference.</b></li> <li>• The Executive Board of the Frontier Detector for Frontier Physics Association dedicate a <b>special Award of €2.500</b> in memory of <b>Dr. Aldo Menzione</b> to a distinguished scientist who contributed to detector technique development.<br/><b>The winner will be selected by the members of the Frontier Detector for Frontier Physics Association.</b></li> </ul> |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| <p><b>Important dates</b></p>              | <table border="1"> <tr> <td>Deadline for grant application</td> <td><b>January 31, 2015</b></td> </tr> <tr> <td>Deadline for returning registration form:</td> <td><b>March 15, 2015</b></td> </tr> <tr> <td>Deadline for receipt of abstracts</td> <td><b>March 15, 2015</b></td> </tr> <tr> <td>Arrival:</td> <td><b>May 24, 2015</b></td> </tr> <tr> <td>Meeting sessions:</td> <td><b>May 25-29, 2015</b></td> </tr> <tr> <td>Deadline for proceeding manuscripts:</td> <td><b>May 30, 2015</b></td> </tr> <tr> <td>Departure:</td> <td><b>May 30, 2015</b></td> </tr> <tr> <td></td> <td></td> </tr> </table>  | Deadline for grant application | <b>January 31, 2015</b> | Deadline for returning registration form: | <b>March 15, 2015</b> | Deadline for receipt of abstracts | <b>March 15, 2015</b> | Arrival: | <b>May 24, 2015</b> | Meeting sessions: | <b>May 25-29, 2015</b> | Deadline for proceeding manuscripts: | <b>May 30, 2015</b> | Departure: | <b>May 30, 2015</b> |  |  |
| Deadline for grant application             | <b>January 31, 2015</b>   |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| Deadline for returning registration form:  | <b>March 15, 2015</b>   |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| Deadline for receipt of abstracts          | <b>March 15, 2015</b>   |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| Arrival:                                   | <b>May 24, 2015</b>   |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| Meeting sessions:                          | <b>May 25-29, 2015</b>  |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
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|  |   |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |
| <p><b>Conference WWW site</b></p>          | <p><a href="http://www.pi.infn.it/pm/2015/">http://www.pi.infn.it/pm/2015/</a></p>  |                                |                         |   |                       |                                   |                       |          |                     |                   |                        |                                      |                     |            |                     |  |  |