



CRIS 2018
Cosmic Ray International Seminar
"Entering the Era of Multi-Messenger Astronomy"
Hotel Vittorio – Portopalo di Capo Passero (SR) – Italy
June 18-22, 2018

SECOND ANNOUNCEMENT

We are pleased to announce the 11th Cosmic Ray International Seminar (CRIS 2018) which will be held in Portopalo di Capo Passero (Italy), 18-22 June 2018. The meeting will focus on fundamental topics in astroparticle physics with specific emphasis on the new-born multi-messenger astronomy studies.

This conference series started in Catania in 1996 focused on Relativistic Ion Studies and moved in the field of Cosmic Ray Physics since 2004.

The recent detection of gravitational waves by LIGO-Virgo Collaboration and the first evidence for anisotropy in Ultra High Energy Cosmic Rays have marked an impressive progress in the field of astroparticle physics and has pointed out the extraordinary potential for new discoveries in a multi-messenger approach to the study of the Universe.

Present times couldn't be more exciting and promising. The dream of "simultaneous" observations of different signals from the same astrophysical source has suddenly become a real scientific framework.

CRIS 2018 is jointly organized by the Catania and Napoli Divisions of the National Institute of Nuclear Physics (INFN), by the Department of Physics and Astronomy of the University of Catania and by the Department of Physics "E. Pancini" of the University of Napoli Federico II.

The conference venue is the Hotel Vittorio. Sessions will start on Monday, June 18th, afternoon and will end on Friday, July 22nd, before lunch.

For all the details about the Conference, including registration, travel and accommodation info, contribution procedures, you are kindly invited to visit the Conference Web site at : <http://cris2018.na.infn.it>

As in the past, the CRIS 2018 Conference is addressed to scientists in the field as well as to PhD and graduate students. We will encourage lively and informal discussions among participants.

The CRIS 2018 conference program will include invited lectures and contributed talks organized in plenary sessions covering the following topics:

- Multi-Messenger Astronomy
- The first Multi-Messenger event
- Gravitational Waves
- Astrophysical Neutrinos
- Gamma-Ray Astronomy
- Direct and Indirect Measurements of High Energy Cosmic Rays
- New Detectors
- Tuning Models & Fundamental Interactions
- Outreach

Each session includes a 45 minutes overview lecture and 30 minutes highlights reports on the main experiments. A preliminary list of the invited speakers can be found on the conference web site. Contributed talks (15 minutes + 5 minutes for discussion) for each session are scheduled. The first multi-messenger event will be hopefully presented with short oral presentations by representatives of all the Collaborations involved in the observation. Participants are invited to submit their contributions. Contributions will be published on Nuclear Particle Physics Proceedings by Elsevier.

Important dates and deadlines:

- Abstract Submission: until April 15, 2018
- Notification of Acceptance: April 29, 2018
- Registration: until May 18, 2018
- Conference dates: June 18-22, 2018
- Proceeding Submission: until October 30, 2018

Registration

To allow an effective organization of the conference services, participants are encouraged to register as soon as possible.

The Registration Fee is 300 € for all participants, except students (both undergraduate and PhD students), to whom a reduced Fee of 250 € applies. The Fee shall be paid on site during the Conference, in cash and probably also by credit/debit card (to be confirmed). Further details are available in the registration section of the Conference Web site.

Travel and Accommodation

The nearest airport is in Catania (airport code CTA), situated about 110 km north of the Conference venue. Here is the web site of the Catania airport.

On Saturday, June 16th, and Sunday, June 17th, a coach service from the airport to the Conference venue will be arranged by us and will be free of charge. We plan two runs on Saturday and one on Sunday. To help us select the best times for these runs, participants are requested to indicate in the Registration Form whether they wish to use the service or not, how many passengers in their party, and their expected time of landing. Only after sufficient info has been gathered will we decide and publish on this site the exact departure time of the coach buses.

Likewise, we plan to arrange a similar free-of-charge service from the Conference venue to the Catania airport on Saturday, June 23rd; likewise, participants are kindly requested to indicate in the Registration Form whether or not they wish to use this service. For this return trip, the exact times of departure from the Conference venue will be determined by the earliest take-off time of groups of interested participants.

About public transports, information is available on the web site.

Rooms are available for the participants in three hotels located in Portopalo di Capo Passero:

- Hotel Vittorio (Conference Venue - the number of room of this Hotel is insufficient for the expected number of participants)
- Hotel Perseo
- Hotel Jonic

Participants are encouraged to reserve their own accommodation as soon as possible, by contacting the Hotel of their choice directly, either by email or using the Hotel web site's reservation page if provided. The room rate and the hotel contacts are available on the web page.

Social Event

Social dinner will be held at Tafuri Castle, within walking distance from the Hotel Vittorio, on Thursday, June 21st. Accompanying persons are welcome.

The Tafuri Castle is datable to 1935. It stands on a steep cliff on the south-eastern coast of Sicily, opposite the island of Capo Passero (SR); set against a crystal clear blue sea, it is perhaps the most prominent attraction in the area. For many years it has been the symbol of Portopalo di Capo Passero, today a destination for tourists and surfers.

If the weather conditions will be good, tour of the Porto Palo coast organized by the Hotel Vittorio will be possible.

The Conference Poster can be downloaded from the conference web site.

International Advisory Committee

Marica Branchesi (GSSI - Italy)

Ralph Engel (Karlsruhe Institute of Technology - Karlsruhe, Germany)

Piera Luisa Ghia (Institut de Physique Nucleaire d'Orsay (IPNO) - Orsay, France)

Fausto Guarino (University of Napoli Federico II - Napoli, Italy)

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Johannes Knapp (DESY - Zeuthen, Germany)

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Teresa Montaruli (University of Geneva - Geneva, Switzerland)

Miguel Alejandro Mostafá (Pennsylvania State University - State College, USA)

David Shoemaker (MIT Kavli Institute - Cambridge, USA)

Mauro Taiuti (University of Genova - Genova, Italy)

Shigeru Yoshida (Chiba University - Chiba, Japan)

Local Organizing Committee

Carla Aramo, Mario Buscemi, Rossella Caruso, Roberta Colalillo, Salvatore Costa, Laura Valore

Conference Secretary:

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