

**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**

**FIRST ANNOUNCEMENT**

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

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

The recent detection of gravitational waves by the 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 have pointed out the extraordinary potential for new discoveries in a multi-messenger approach to the study of the Universe. Both discoveries are the result of an incredible long research activity in the field (lasting 100 years or so), since the prediction of the gravitational waves by Albert Einstein and since the recognition of the genuine extraterrestrial origin of the cosmic ray radiation by Victor Hess.

The 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.

We can now hope to get much more in the future, on a short and medium time scale.

During the CRIS 2018 meeting we will focus on results, expectations and perspectives for the next few years on this specific item.

CRIS 2018, following the experience of previous editions, aims to present overviews of existing data and reports from the present and future experiments. Talks will cover both theoretical/phenomenological and experimental/observational aspects, in order to give an exhaustive overview of this complex field. The discussion about the present status and future plans requires to involve theorists and experimentalists working on various messengers. Thus, the progress in astroparticle physics achieved through space- and ground-based detectors is expected to play a major role in the scientific program of CRIS 2018.

The program will include invited lectures and contributed talks.

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.

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

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

Important dates and deadlines:

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

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The CRIS 2018 Organizing Committee:

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