

**IWM-EC 2018**

**22<sup>nd</sup> - 25<sup>th</sup> May 2018  
Catania, Italy**

**International Workshop on  
Multi facets of  
Eos and Clustering**

## **FINAL ANNOUNCEMENT**

We are pleased to announce that the **International Workshop on Multi facets of Eos and Clustering IWM-EC 2018** will be held in Catania, Italy, from 22nd to 25th May 2018.

The workshop is supported by the CHIMERA and INDRA Collaborations.

This third circular will be also available on the conference web site:

[www.ct.infn.it/iwm-ec2018](http://www.ct.infn.it/iwm-ec2018)

## **SCIENTIFIC PROGRAM AND FORMAT**

Following the IWM tradition, the IWM-EC 2018 will address open questions in the domain of nuclear dynamics and thermodynamics with a renewed special emphasis of clustering phenomena and their implications on nuclear dynamics and structure.

The scientific program will have dedicated sessions to outline recent progress on both experimental and theoretical aspects of the following topics:

- **Dynamics and structure in heavy-ion collisions with stable and radioactive beams**
- **Correlation and clustering phenomena**
- **Isospin effects in nuclear reactions**
- **Exploring Nuclear Equation Of State**
- **Current trends for fission**
- **New experimental tools and detection techniques**

The format of the workshop includes invited overview talks, oral presentations and posters. PhD students and post-docs are strongly encouraged to participate.

## INVITED SPEAKERS

**M. CAAMANO** *Universidad de Santiago de Compostela, Spain*

Fission in Inverse kinematics: A new window to experimental observables

**D. GRUYER** *LPC, Caen, France*

New trends in mass identification with telescope detectors

**E. DE FILIPPO** *INFN Sezione di Catania, Italy*

Results and recent advances with the CHIMERA and FARCOS detectors

**T. ISOBE** *RIKEN Nishina Center, Wako, Japan*

The S<sub>PRIT</sub> and pion detectors in RIKEN for the experimental study of symmetry energy with heavy ion collisions

**D. LACROIX** *IPN, Orsay, France*

Current trends in the microscopic description of fission

**O. LOPEZ** *LPC, Caen, France*

Hot news from INDRA and the next scientific INDRA+FAZIA program at GANIL

**J. LUKASIK** *Institute of Nuclear Physics, Krakow, Poland*

Constraints on the density dependence of the symmetry energy

**T. MARCHI** *INFN Laboratori Nazionali di Legnaro, Italy*

Active Targets and Time Projection chambers as new tools for probing EoS and clustering

**S. SZILNER** *Ruder Boskovic Institute, Zagreb, Croatia*

Probing nucleon-nucleon correlations in heavy ion transfer reaction

**S. TYPEL** *Technical University Darmstadt, Germany*

Clustering in dilute matter with medium effects

**I. VIDANA** *INFN Sezione di Catania, Italy*

The nuclear equation of state: from experiments to astrophysical observation accompanied by the hand of theory

**S. YENNELLO** *Texas A&M University, College Station, USA*

Isospin effects in nuclear reactions

## **GENERAL INFORMATION**

IWM-EC2018 will take place at the Dipartimento di Fisica e Astronomia and INFN - Laboratori Nazionali del Sud, located in the University campus in the outskirts of Catania.

The workshop will last four days, beginning in the morning of Tuesday, May the 22<sup>nd</sup>, and ending on Friday afternoon, May the 25<sup>th</sup>.

The local organization of the workshop is supported by the Istituto Nazionale di Fisica Nucleare - Sezione di Catania and Laboratori Nazionali del Sud and by the University of Catania.

The IWM-EC2018 is sponsored by Società Italiana di Fisica.

## **SCIENTIFIC CONTRIBUTIONS**

Oral contributions have been selected by the Scientific Committee from the submitted abstracts. The remaining abstracts can be presented as posters, with a short oral clip in a dedicated session, and on display throughout the rest of the workshop.

Best Poster Prizes will be awarded, kindly sponsored by the Società Italiana di Fisica.

All the contributions, including posters, will be published in the workshop proceedings. Instructions on proceedings format will be given after the end of the workshop.

## **REGISTRATION AND ACCOMODATION**

On line registration and booking accommodation in some suggested hotels are possible in the conference website till May the 6<sup>th</sup> 2018. After this deadline accommodation cannot be guaranteed. Registration will also be possible at the conference desk, starting from 9.00 a.m. of May 22<sup>nd</sup>.

The workshop registration fee will be 250€, including coffee breaks, lunches, social dinner and a copy of the workshop proceedings. There will be no fee for undergraduate and PhD students.

Participant using INFN funds must pay the fee by using internal fund transfer, that has to be organized between the local administration offices.

Other participants will pay on arrival at the conference desk, in cash (€uro) or by credit card.

The social dinner will be held in a restaurant in the city centre on Thursday 24<sup>th</sup> evening.

A transportation service towards and from the workshop site and the hotels in the city centre will be organized.

For more information, visit the website or write to [iwm-ec2018@ct.infn.it](mailto:iwm-ec2018@ct.infn.it)

## SCIENTIFIC COMMITTEE

Bernard BORDERIE	IPN - Orsay, France
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## LOCAL ORGANIZATION

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