



# IWM-EC 2021

## 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 2021* will be held in Caen, France, from November 23<sup>rd</sup> to November 26<sup>th</sup> 2021. The workshop is supported by the CHIMERA and INDRA collaborations. Detailed information is available on the conference website:

<https://indico.in2p3.fr/event/20555>

### SCIENTIFIC PROGRAM AND FORMAT

*IWM-EC 2021* will address open questions in the domain of nuclear dynamics and thermodynamics. Special focus will be made on the nuclear equation of state, link with astrophysics as well as clustering phenomena at the interplay between nuclear structure and reactions. The scientific program will have dedicated sessions to outline recent progress on both experimental and theoretical aspects of the following topics:

- **Nuclear dynamics from fission to multifragmentation**
- **Isospin effects and Equation of State in nuclear reactions**
- **Clustering phenomena and multi-particle decay**
- **Nuclear Equation of State and Astrophysics**
- **Experimental tools, detection techniques and accelerators**

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

### INVITED SPEAKERS

- **Anna Corsi (IRFU Saclay, France)**

*Probing the structure of exotic nuclei with proton targets*

- **John D. Frankland (GANIL, France)**

*Recent highlights from the INDRA-FAZIA collaboration*

- **E. Geraci (INFN LNS Catania, Italy)**

*Recent highlights from the CHIMERA collaboration*

- **Francesca Gulminelli (LPC Caen, France)**

*The equation of state of dense matter and nuclear physics constraints*

- **Kevin Insik Hahn (Ewha University, South Korea)**

*Session Experimental tools, detection techniques and accelerators : title to be communicated*

- **Bao An Li (Texas A&M Commerce, USA)**  
*Theoretical aspects : Isospin effects and EoS in Nuclear Reactions*
- **Ivano Lombardo (INFN-LNS , Italy)**  
*Clustering effects in nuclear reactions at low and medium energies*
- **Alan B. McIntosh (Texas A&M, USA)**  
*The asymmetry dependence of temperatures measured in fusion-evaporation reactions and in multi-fragmentation reactions*
- **Akira Ono (Tohoku University, Japan)**  
*Transport model approach for clusters in heavy-ion collision dynamics*
- **Luciano Rezzola (Frankfurt University, Germany)**  
*Session Nuclear EOS and Astrophysics, experimental aspects : title to be communicated*
- **Guillaume Scamps (Bruxelles University, Belgium)**  
*Progress in the characterization of the fission fragments in microscopic theory*
- **Haik Simon (TU Darmstadt, Germany)**  
*Session Isospin effects and EoS in nuclear reactions, experimental aspects : title to be communicated*

## SCIENTIFIC CONTRIBUTIONS

Oral contributions have been selected by the Scientific Committee from the submitted abstracts. The scientific programme will be published soon on the website. Two prizes kindly sponsored by NUPECC with a total amount of 1000€ will be awarded for the best talks delivered by young people. All contributions will be published in the workshop proceedings.

## GENERAL INFORMATION

*IWM-EC 2021* will take place at the GANIL guest House, in the campus Jules Horowitz located at Caen, France. The workshop will last four days, beginning Tuesday, November 23<sup>rd</sup> at 9:00 am, and ending Friday, November 26<sup>th</sup> at 1:00 pm. The local organization of the workshop is supported by the CNRS/IN2P3, LPC Caen, and GANIL.

**The registration fee is fixed to 250 €, including coffee breaks, lunches, social dinner and a copy of the workshop proceedings.** The fee will be charged only at the arrival to the workshop and a certificate of attendance will be delivered. There will be no fee for students and post-docs.

**Anyone wishing to attend the workshop is asked to register now until November 15<sup>th</sup>, 11:59 pm (Europe/Paris timezone) directly on the conference [website](#).** Information for arriving at GANIL and accommodation are available on the website.

### **Important:**

The location of the workshop is the Guest House at GANIL and **admission will be only authorized for registered people.**

For some events, a valid sanitary pass will be requested. We strongly advise the participants to read the COVID-19 instructions page on the [website](#) concerning the regulations applied to foreign citizens coming to France and entering GANIL facility before planning their trip.

For more information, visit our [website](#) or e-mail to [iwmec2021@lpccaen.in2p3.fr](mailto:iwmec2021@lpccaen.in2p3.fr)

### **Scientific Committee**

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Enrico DE FILIPPO	INFN Sezione di Catania, Italy
Diego GRUYER	LPC Caen, France
Kris HAGEL	Texas A&M, United States
Denis LACROIX	IJCLab Orsay, France
Olivier LOPEZ	LPC Caen, France [chair]
Tommaso MARCHI	INFN Laborati Nazionali di Legnaro, Italy
Sara PIRRONE	INFN Sezione di Catania, Italy
Giuseppe POLITI	Università and INFN Sezione di Catania, Italy

### **Local Organizing Committee**

Marie-Laure ABAVENT	GANIL, France
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