



MEDAGLIA DEL PRESIDENTE DELLA REPUBBLICA

PRESS RELEASE

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TOP PHYSICISTS GATHERING IN VENICE

From July 5 to 12 a thousand physicists coming from all over the world will be in Venice for the European Physical Society biennial conference

One of the most prestigious physics conferences worldwide, the European Physical Society (EPS) conference on High Energy Physics (HEP), is coming back to Italy after over thirty years. The EPS HEP 2017 edition will take place at Lido island in Venice, which will hence become the gathering point for the international top physicists: around one thousand scientists coming from all over the world are indeed meant to join the conference.

"The conference has attracted considerable interest and we shall have the chance to discover many exciting new results presented by experiments from all around the world",

said **Yves Sirois** the Chair of the EPS HEPP Division responsible for the physics program.

The conference will deal with some of the most fascinating themes in physics research and human knowledge: from the origin of our Universe to the Higgs Boson identikit, from the hunt for dark matter to the properties of the elusive neutrino, from New Physics to gravitational waves whose historic discovery was announced in 2016. All of these topics and many more will be discussed during the conference, where many cutting edge results and updates will be presented during plenary or parallel talks or through scientific posters, organised in 13 topics.

The Medal of the President of the Italian Republic, a prestigious acknowledgment, was awarded to the conference, organised by the Italian Institute for Nuclear Physics (INFN) Padua Division and by the University of Padua Department of Physics and Astronomy "Galileo Galilei". "We are very proud for this prestigious award and for having brought back to Italy this renowned conference after 32 years. We've also had a greater number of registrations and abstracts submissions compared to previous editions, with speakers coming from around 50 different countries", **Mauro Mezzetto** INFN Padua Division Director and **Paolo Checchia** INFN physicist, that are coordinating the activities of the local EPS-HEP 2017 organising committee, comment. "Organising properly this event is a great responsibility, this first outcome is the result of the commitment of a team, that is working hard for the success of this major scientific conference", Mezzetto and Checchia conclude.

EPS HEP 2017 will not only be about meaningful and fascinating scientific results, the conference has a rich cultural program involving high school students and the general public.

On Saturday 8 July, CERN Director-General Fabiola Gianotti, INFN vice-president Antonio Masiero and the actress Sonia Bergamasco, will be "Palazzo del Cinema, Sala Perla" to weave together scientific dialogues and arts performances guided by RAI science journalist Silvia Rosa Brusin.

Palazzo del Casinò will host "Art & Science, the colours of the Higgs Boson" an exhibition, supported by CERN, INFN, and the international network CREATIONS. The exhibition will have art works inspired by particle physics themes and works made by high school students that joined "Art and Science Across Italy", and by several students from Venice.

EPS HEP 2017 Press Conference will be on Friday 7 July, in Venice, in "Sala delle Adunanze, Palazzo Loredan, Istituto Veneto di Scienze, Lettere ed Arti".

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