



# The Galileo Galilei Institute For Theoretical Physics



## Beyond Standard Model: Where do we go from here?

Johns Hopkins Workshop Series

1-5 October 2018 - GGI, Florence

### Organizing committee:

Patrizia Azzi (INFN Padova), Dmitry Budker (HIM/JGU Mainz / UC Berkeley), Roberto Franceschini (Roma 3), Andreas Hoecker (CERN), Gilad Perez (Weizmann Institute), Michael Peskin (SLAC), Tracy Slatyer (MIT), Andrea Tesi (INFN Florence), Liantao Wang (University of Chicago), Jure Zupan (University of Cincinnati).

### Johns Hopkins Workshop

#### Local Organizers :

Stefania De Curtis, Michele Redi, Domenico Seminara (INFN and Florence University).

The chase for new physics is in full swing. We have several theoretical motivations for the existence of physics beyond the Standard Model of particle physics and a very diverse set of experimental investigations are aimed at finding new physics.

In this workshop, we will bring together experts from theory and from many areas of experimental investigation to discuss the current state of proposals for physics beyond the Standard Model. We will discuss and debate the lessons that we should draw from the results of the LHC run 2, from flavor physics, from searches for dark matter, and from low energy precision measurements.

The workshop will also begin the discussion of the next possibilities for searches for new physics, particularly in anticipation of the next European Strategy for Particle Physics expected in 2019/20.

**Web:** <https://indico.cern.ch/event/676835>

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**Picture:** Paul Gauguin - D'où venons-nous? Que sommes-nous? Où allons-nous?

Courtesy of Museum of Fine Arts Boston

**Graphic design:** Roberto Baglioni