



## Beyond Standard Model: Where do we go from here? August 20, 2018 - October 05, 2018

## **Topics:**

- discussion of LHC run 2 results, including results on flavor physics, discussion of BSM theoretical models in the light of these
- non-accelerator and low energy probes of BSM models
- dark matter results and their interaction with models of BSM physics
- new ideas in BSM theoretical models, interaction with all experimental constraints, implications for future colliders
- 1-week conference covering these themes

The chase for new physics is in full swing. We have several theoretical motivations for the existence of physics beyond the Standard Model of particles 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 the several areas of experimental investigation that are actively searching for physics beyond the Standard Model. During the workshop we will discuss theoretical developments for the physics of the TeV scale and above, and their relation to the experiments.

The workshop will attempt to draw lessons from the results of the LHC run 2, which will be close to completion, and from new results on flavor, dark matter, and 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.

**Organizing Committee:** 

INFN

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