

# MITP Summer School 2016: New Physics on Trial at LHC Run II



**Sunday 24 July 2016 - Friday 05 August 2016**

**Erbacher Hof**

## **Scientific Programme**

The school is focused on beyond the Standard Model phenomenology and the corresponding signatures at the LHC. The school will feature the following lecturers speaking on the following topics:

First week, July 25-29:

Tobias Golling (U. of Geneva) - Experimental Perspective

Roni Harnik (Fermilab) - Dark Matter

Tilman Plehn (U. of Heidelberg) - SUSY Phenomenology

Jesse Thaler (MIT) - Jet Physics

Second week, August 1-5:

Nima Arkani-Hamed (IAS) - Naturalness, Future of HEP

Sally Dawson (BNL) - Higgs Physics

Bogdan Dobrescu (Fermilab) - Exotics Phenomenology

Yuval Grossman (Cornell U.) - Flavor Physics

Maxim Perelstein (Cornell U.) - Collider Physics