



Les Houches Workshop Series
"Physics at TeV Colliders"
2017 Session: 5 to 23 June

In a few weeks the high-energy physics team will be going to Les Houches, overseeing the **10th** session of the Les Houches PhysTeV Workshop.

The highlight of the 2017 edition is to take full advantage of the 13TeV data that has been collected at the LHC so far and prepare for future runs. With this much data, following the discovery of a Higgs-like particle, one aim of this Workshop is how to best sharpen our tools and techniques in order to reconstruct the profile of this particle and possibly uncover New Physics. An equally important aim is to reassess some of the still open fundamental questions in the light of this discovery and investigate which kind of New Physics such a particle may be hinting at. The importance of precision measurements on the one hand and precision calculations and simulation on the other hand is central.

In view of the above considerations, the Workshop will devote particular attention to:

(i) Higgs physics, and how it shapes our view on the mechanism of electroweak symmetry breaking; (ii) related searches for New Physics and (iii) progress in new techniques for the calculations and simulation of Standard Model processes.

The Workshop runs over one year, including two meetings in Les Houches in the month of June, and exchanges and collaborations before and after the meetings. The meetings in Les Houches will consist of two sessions:

Session I: 5-14 June 2017 with emphasis on SM-related issues.

For this session, a coordination with the CERN Th Institute on SM Physics at the LHC is being planned (see below)

Session II: 14-23 June 2017 with emphasis on New-Physics searches

[LesHouchesWebsite](#)