

Effective Field Theories as Discovery Tools



Monday 22 August 2016 - Friday 9 September 2016

Mainz Institute for Theoretical Physics, Johannes Gutenberg University

Scientific Programme

The "Effective Field Theories as Discovery Tools" program aims at laying out the new physics discovery potential of Run II of the LHC from the effective field theory approach. Direct searches using LHC Run I data, combined with results in flavor physics, electroweak precision observables, and indirect tests from Higgs measurements, push the scale of new physics to at least the TeV range.

MITP seeks to bring together physicists with common scientific interests for discussions and collaborations. Instead of relying on a comprehensive list of talks, the program will focus on a series of informal seminars to inspire further discussions. Typically, up to 25 scientists take part at any given time. They are expected to stay for at least two weeks.