



The Galileo Galilei Institute for Theoretical Physics
Arcetri, Florence



Understanding the TeV Scale through LHC Data, Dark Matter and Other Experiments

October 08, 2012 - November 30, 2012

Jo Galileo Galilei

The workshop will be focussed on new data from the LHC. At this time the LHC will have completed its initial 7 TeV run, and we will have an exciting opportunity to understand its results and to plan for the future 14 TeV run. In addition to hearing from LHC experimentalists, we plan to have input from experimenters at the Tevatron, as well as dark matter direct and indirect detection, flavor physics, and other related searches. The workshop will aim for close collaboration and intensive discussions between theorists and experimentalists.

The main topics of the workshop include:

- Particle Physics in the middle of the LHC results
- The physical origin of the Fermi scale
- Interplay of LHC with Dark Matter and Flavour Physics

Organizing Committee:

N. Arkani-Hamed (Institute for Advanced Study, Princeton)
R. Barbieri (Scuola Normale Superiore and INFN, Pisa)
S. De Curtis (INFN and Università, Firenze)
M. Reece (Princeton University)
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