

## Implications of LHC results for TeV-scale physics

- **Workshop dedicated to evaluating the implications of recent results from the LHC, and elsewhere, for TeV-scale physics, and to discuss the impact of these results on the future strategy for particle physics.**

The Workshop continues the activity of the 2009 TH Institute "From the LHC to a Future Collider",

<https://indico.cern.ch/conferenceDisplay.py?confId=40437>, whose findings were documented in <http://arXiv.org/abs/0909.3240>.

The results will be summarised in a document, to be submitted as input to the planned 2012 update of the **European Strategy for Particle Physics**. The participation and input of all those interested, experimentalists and theorists, is welcome and encouraged!

The workshop activities will be focused around three working groups investigating different aspects of TeV-scale physics, namely

- **Signals of electroweak symmetry breaking** (conveners: S.Heinemyer, M.Kado, C.Mariotti, G.Weiglein, A.Weiler)
- **Signatures with missing energy** (conveners: R.Cavenaugh, J.Hewett, S.Kraml, G.Polesello)
- **Other signatures of possible BSM physics** (conveners: C.Grojean, D.Martinez, J.Santiago Perez, P.Savard, S.Worm)

# Planned meetings

- **Plenaries:**

- **Done:** Aug 29 - Sep 2 2011
- **Forthcoming:** March 26-30 2012
- **Finalize submission to the SG:** July 13-17 2012

- **Plus several mtgs of the individual WGs. Wikis:**

- WG1: <https://twiki.cern.ch/twiki/bin/view/LHCPhysics/WG1>
- WG2: <http://wg2-met.wikidot.com/>
- WG3: <http://wg3-exotics.wikidot.com/start>

- **Meeting announcements, and info to join the wshop mailing lists, on the LPCC web page:**

- <http://cern.ch/lpcc>

- **Complete list, agenda, slides, etc:**

- <https://indico.cern.ch/categoryDisplay.py?categId=2689>

- **We anticipate continuing the work beyond the SG deadlines, to produce a comprehensive document based on the results of the analyses of the full 2011-12 LHC data set**