

Top physics after Higgs boson discovery

Tuesday 16 July 2013 15:30 (1h 30m)

In this talk, aimed at PhD students and postdocs, I will argue that after the discovery of a very Standard-Model-like scalar resonance the top quark is the most exciting particle in the Standard Model. It couples to all Standard Model gauge bosons and is integral to the so-called Hierarchy problem. While the LHC was built to discover and study the Higgs boson, it is by construction a top quark factory. With the large amount of data at high energies being collected within the coming years precision studies of the top quark can guide the way to extensions of the Standard Model.

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