

Physikalisches Kolloquium

Günther Dissertori, ETH Zürich

**»Strong interactions under scrutiny:
The LHC experiments as precision tools (not a talk about the Higgs)«**

Einführung: G. Quast

While a lot of due attention was paid to the recent discovery of the Higgs boson at the LHC, it should not be forgotten that discoveries at a hadron collider are not possible without building very solid foundations in terms of understanding the basic physics processes, which constitute the backgrounds to signals for new particles, and in terms of understanding all aspects of the complex detectors and the measured data. As an example, in this presentation I will highlight the impressive experimental and theoretical progress in the tests of quantum chromodynamics, the theory of strong interactions, which lies at the heart of the physics of proton-proton collisions.

Freitag, 06.06.2014, 17 Uhr c.t.,

**KIT, Campus Süd,
Otto-Lehmann-Hörsaal, Physik-Flachbau (Geb. 30.22).
Anschließend Nachsitzung im Gastdozentenhaus „Heinrich Hertz“**