

Physikalisches Kolloquium

Christophe Grojean, CERN

»Quo Vadis, Higgs?«

Einführung: M. Mühlleitner

Abstract: "A new particle was discovered at the CERN Large Hadron Collider on July 4th, 2012 and it astonishingly looks the long sought-after Higgs boson, incidentally tendering a Nobel prize award to its fathers. This discovery is an important step towards a more complete understanding of the dynamics that makes the weak interactions so different from the ordinary electromagnetism forces and incidentally allows the stars to shine without burning their fuel almost instantaneously. This Higgs boson is much more than yet-another particle. I shall review the story of this discovery, describe the remaining challenges in Higgs physics and explain what are the possible consequences on the future of high-energy physics."

Freitag, 13.12.2013, 17 Uhr c.t.,

KIT, Campus Süd,

Otto-Lehmann-Hörsaal, Physik-Flachbau (Geb. 30.22).

Anschließend Nachsitzung im Gastdozentenhaus „Heinrich Hertz“