



Einladung zum Vortrag

“Looking through the Higgs window for new physics”

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Ort: Lise-Meitner-Hörsaal
9. Boltzmannngasse 5, 1. Stock

Abstract:

The discovery of a Higgs boson in 2012 has been a milestone in particle physics and the start of a new era of collider physics where the exploration of a new type of particle is possible, which was not accessible before. The properties of this Higgs boson can serve as a window to new physics, and high experimental but also precise theoretical input is needed to “open” it.

In this talk, after a short review of why this Higgs-boson is so crucial, I will discuss how the determination of its properties can shed light on physics beyond the Standard Model of particle physics. I will also comment on current and future improvements on the theory side needed to draw reliable conclusions from the experimental data.

Im Rahmen des Vortrages findet eine Lehrprobe zum Thema
„Periodic Potentials in Quantum Theory“ statt.