

Physikalisches Kolloquium

Stefan Liebler, KIT

»Wanted - The Higgs boson is looking for its siblings«

Einführung: D. Zeppenfeld

Abstract: When the Higgs boson with a mass of 125GeV turns 21 in 2033, will it still be an only child? We review the current status of Higgs-boson physics at the Large Hadron Collider (LHC). We provide an outlook of the indirect reach of precision measurements of the Higgs boson at 125GeV in the search for additional Higgs bosons and also discuss the prospects of direct searches for the siblings at the LHC and potential future colliders.

Freitag, 18.10.2019, 15:45 Uhr,

**KIT, Campus Süd,
Otto-Lehmann-Hörsaal, Physik-Flachbau (Geb. 30.22).
Anschließend Nachsitzung.**