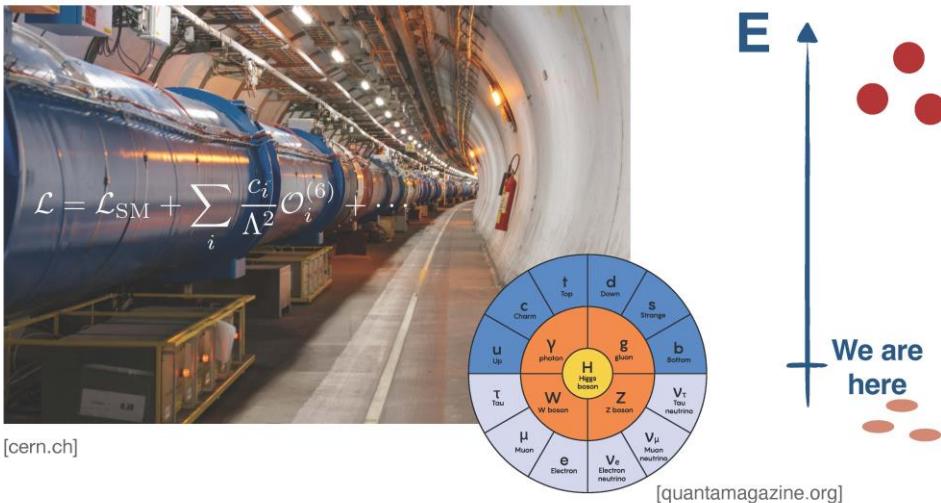


Einladung zum Physikalischen Kolloquium

23.05.2025 **Anke Biekötter, Karlsruher Institut für Technologie**
»Hunting for physics beyond the Standard Model effectively«
Einführung: G. Heinrich

The Standard Model of particle physics is remarkably successful in describing the interactions of all known particles. However, various observations point to physics beyond the Standard Model. The Large Hadron Collider at CERN allows us to search for new heavy particles, including those that are too heavy to be produced directly. In this talk, we will explore how effective field theories enable us to gain insights into these elusive scenarios. Special attention will be given to the role of global analyses in mapping out the directions in the parameter space of new physics. We will discuss the current status and future prospects of effective field theory studies for beyond Standard Model physics.

Hunting for imprints of new physics



Der Vortrag findet **am Freitag, den 23. Mai 2025 um 15:45 Uhr im Otto-Lehmann-Hörsaal**, Physik-Flachbau (Geb. 30.22), KIT-Campus Süd statt.