

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

Garching Maier-Leibnitz-Kolloquium

Donnerstag, 24.11.2022, 16¹⁵ Uhr

Hörsaal der LMU in Garching, Am Coulombwall 1
Treffen zum gemeinsamen Kaffee 16 Uhr

Prof. Dr. Michael Spannowsky
(University of Durham, UK)

10-years Higgs boson - challenges and opportunities for the coming years

The discovery of the Higgs boson in 2012 marked an outstanding scientific success in unravelling the fabric of nature. While a detailed study of its properties is still ongoing, future measurements could provide us with new insights into some of the most fundamental questions in nature, e.g. the observed matter-antimatter asymmetry. A coordinated approach, cross-correlating searches and measurements, will give us the best chance to improve our understanding on extensions of the Standard Model. In celebration of the 10-year anniversary of the Higgs boson's discovery, I will review ongoing efforts in improving our understanding of its properties and will outline future directions in high-energy phenomenology where phenomenological progress is anticipated.

Hybrid online access via ZOOM:

<https://lmu-munich.zoom.us/j/98457332925?pwd=TWc3V1JkSHpyOTBPQVIMelhuNnZ1dz09>

Meeting ID: 984 5733 2925

Passcode: 979953

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