



EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

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(King's College London)

über

„Interpreting Top quark LHC data

in the Standard Model Effective Field Theory“

Abstract:

I will review the status and prospects for searching for new physics via the SMEFT, focusing on the importance and impact of top quark data.

I will discuss how top quark data directly and indirectly improves the global new physics reach, showing results from recent global analyses. I will also highlight some avenues for future improvements in sensitivity, particularly on top quark electroweak interactions, that are currently relatively poorly known. These include loop-induced effects and the search for high-energy and high-multiplicity processes that exploit the characteristic unitarity-violating behaviour of EFT amplitudes.

Zeit: Dienstag, **28.03.2023, 16:15 h**

Ort: Erwin-Schrödinger-Hörsaal, Boltzmannngasse 5, 5. Stock

Join Zoom Meeting - Meeting ID: 933 4269 3866 Passcode: 185096

<https://univienne.zoom.us/j/93342693866?pwd=aUpTR0VJNUhJY2Q0ajdaKzI1YWVVBQT09>

gez.: A. Hoang, T. Corbett