Fakultät für Physik
Arbeitsbereich Teilchenphysik
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universität wien

E I N L A D U N G

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

Ken A. V. Mimasu

(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, Boltzmanngasse 5, 5. Stock

Join Zoom Meeting - Meeting ID: 933 4269 3866 Passcode: 185096
https://univienna.zoom.us/j/93342693866?pwd=aUpTR0VJNUhJY2Q0ajdaKzI1YWVBQT09

gez.: A. Hoang, T. Corbett