



EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

Ben Allanach

(CERN, Schweiz, DAMTP, University of Cambridge)

über

„Floccinaucinihilipilification“

Abstract:

By throwing away theories beyond the Standard Model that are not of interest, we may arrive at some that are. We use anomaly cancellation to constrain extensions by an additional $U(1)$ gauge group factor. Once such an additional gauge factor is spontaneously broken, the resulting Z' gauge boson has potential phenomenological uses, for example to ameliorate tensions between measurements of certain flavour-changing B decays and their Standard Model predictions.

We compare and contrast one such Z' against a simple bottom-up leptoquark model, to look for statistical preference or lack thereof.

Zeit: Dienstag, 23.05.2023, 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=aUpTR0VJNUhJY2Q0ajdaKzI1YWVhQ09>

gez.: A. Hoang, T. Corbett