



# SONDERKOLLOQUIUM

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BIBLIOTHEK, WESTBAU PHYSIK

Flavourful footprints in the quest for New Physics

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In the last decade, several measurements have been hinting at the possibility of Beyond Standard Model physics in B decays. Some of these observables have stayed “anomalous” after several experiments released multiple measurements of such quantities, while others have recently suffered a different fate.

In this seminar I will recap the current status of experimental anomalies, critically reviewing the theoretical description of these observables in the Standard Model. I will therefore identify which are the quantities with the highest probability of being affected by New Physics, providing some phenomenologically viable examples of BSM extensions, and which are the ones that on the other hand do not require an extension of the SM any longer.