

T 22: Hauptvorträge (Invited Talks) II

Time: Tuesday 11:00–12:30

Location: H-Aula

Invited Talk

T 22.1 Tue 11:00 H-Aula

Flavor directions beyond the standard model — •GUDRUN HILLER — TU Dortmund, Dortmund, Germany

The standard model has passed an enormous amount of tests. We report on present challenges posed by flavor for physics in and beyond the Standard model, and discuss directions to go ahead: Improving the precision frontier and understanding of the standard model background, multi-observables methods and fits, new directions in model building, and joint efforts from theory, phenomenology and experimental communities. We highlight the progress and persistent puzzles from the flavor sector.

Invited Talk

T 22.2 Tue 11:45 H-Aula

Highlights from the LHCb experiment — •MICHEL DE CIAN — EPFL, Lausanne, Switzerland

In the last years, the LHCb experiment observed intriguing deviations from Standard Model predictions in charged-current and neutral-current b hadron decays, commonly known as "flavour anomalies". They might hint to physics beyond the Standard Model. In this talk I will review the state of these anomalies, present the latest results and also highlight other key results by the LHCb collaboration of the last months.