

Here is the executive summary from Flavour of BSM in the LHC era:

The proceedings of the workshop kicked off with experimental review seminars on recent results from LHCb by Amy Schertz, as well as from Belle (II) by Youngjoon Kwon. The corresponding theory perspectives were summarized by David Marzocca and Aleksandr Azzatov. The presentations sparked several interesting discussions on the intersection of flavor physics and naturalness both within and beyond the Standard model, which continued well into the evenings, including during an organized social dinner for all present participants in a local Brewery. The first week concluded with seminars by Robert Ziegler and Lukas Allwicher on the interplay between flavour and other aspects of particle physics and cosmology, in particular the possible existence of so-called dark sectors, and measurements of high- p_T tails in Drell-Yan processes at the LHC, respectively. The second week began with outdoor seminar on BSM opportunities at the rare charm decays by Gudrun Hiller with lively discussions throughout the week. With the RD^* update from LHCb collaboration during the workshop, we discussed the implication of it for the future collider experiments, and possible BSM scenarios. Greg Landsberg gave us an update from CMS with regard to flavour physics program at CMS, and we also had ample discussion on current anomalies at CMS. Justin Skorupa gave us a further update from Belle-2, specially on the RD^* . Sebastian Jaeger gave us a talk on "B-anomalies & more from theory perspectives," both from EFT and bottom up approach and also top down approaches such as composite grand unification scenarios. Also, with the talk on "High quality classical solution to the QCD relaxation problem" by Gilad Perez, we explored in a different direction from the theory side. Through discussions following these presentations over the two weeks, the participants identified several possible directions of further study and initiated some first steps.