

## Phenomenology 2022 Symposium: From Virtual to Real



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### Search for New Physics in B Decays

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B decays form an ideal playground for indirect effects of new physics beyond the Standard Model (SM). At present there are several examples where experimental results deviate from the SM predictions. If these anomalies persist, new avenues will be necessary to pinpoint the nature of new physics. I will discuss a couple of B-decay channels, hadronic and semileptonic, where progress has been made toward identifying whether experimental anomalies could be due to new physics. I will make the case for simultaneous measurements of multiple observables as the way to determine the true nature of new physics.

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