47th SLAC Summer Institute (SSI 2019)



Contribution ID: 11

Type: not specified

Angular Analysis of the B -> K* mu mu decay at the LHCb Experiment

Recent observations of B decays hint at discrepancies with predictions of the otherwise overwhelmingly successful Standard Model of Particle Physics. These observations are extremely intriguing, as they can be interpreted in a coherent way in a number of new physics models by introducing a new vector particle, such as a *Z* or a leptoquark.

This poster will concentrate on one of these measurements, the angular analysis of the rare decay $B \rightarrow K^* \mu \mu$, performed on data from the LHCb experiment. An introduction to the measurement will be given and the Run 1 results, which have a 3.4 sigma tension with the Standard Model prediction, will be presented. An overview of the current status of the update of this analysis with Run 2 data collected at the LHCb detector will be given.

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