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Long distance charm in $b \rightarrow s\ell\ell$ decays from data

Tuesday 24 September 2019 17:50 (25 minutes)

Long-distance charm effects in $b \rightarrow s\ell\ell$ decays are the main obstacle in the interpretation of measurements of the $B \rightarrow K^* \mu\mu$ angular distribution. Given the theoretical difficulty of predicting such a contribution, the natural avenue for progress is to use data to disentangle it from New Physics. In this talk, I will present the latest measurements and plans for unbinned analyses at LHCb, which aim to fit the hadronic contributions and Wilson coefficients simultaneously.

Presenter: OWEN, Patrick Haworth (Universitaet Zuerich)

Session Classification: Flavor