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Perturbative Calculations for the Z-Penguin

Tuesday 26 February 2019 17:00 (30 minutes)

The so-called Z-Penguin is generated at one-loop order in the standard model and contributes to various flavour changing quark decays. I will discuss its phenomenology and its calculation in the standard model and beyond. A special focus will be put on the renormalisation of the Z-Penguin vertex in perturbative unitary theories.

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