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Type: **Talk**

Lattice calculation of semileptonic B -meson decays

Thursday 4 August 2022 14:30 (30 minutes)

We present the first results for the inclusive calculation of the B_s -meson decay rate and other related observables. The calculation is based on a recently proposed method for the study of inclusive decays on the lattice through the analysis of smeared spectral functions extracted from Euclidean correlation functions computed on the lattice. Here we present one possible route to perform such analysis which consists in reconstructing the smeared spectral function numerically. Furthermore, we show a comparison between the lattice QCD results and the theoretical predictions from the operator-product expansion.

Preferred track

Hadronic Issues in Heavy-Flavour Physics

Subfield

HEP theory

Attending in-person?

Yes

On behalf of collaboration?

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