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QCD corrections to Bs mixing in leptoquark models

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Scalar Leptoquark models can explain the current anomalies in B physics. However, one of the main constraints on these models comes from Bs-mixing.

We analyse the QCD corrections to the Bs-mixing process within a scalar leptoquark model, going at 2-loop level. In order to examine the effect of this process we use a low energy EFT, and compute the Wilson coefficients at NLO.

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