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Long and short distances in non-leptonic kaon decays: ϵ'/ϵ

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Summary

Non-leptonic kaon decays involve an interesting interplay of physics at long and short distances. We review the present understanding of the dominant kaon decays into two pions, using well-defined approximations based on chiral symmetry and the large- N_c expansion, and compare it with the results obtained in recent lattice simulations. An updated value of ϵ'/ϵ is provided.

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Session Classification: Flavor