

Constraints on MeV Axion Models from Kaon Decays with KTeV Data

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The QCD axion is a compelling mechanism for solving the strong CP problem. Most studies have focused on axion models with a large decay constant, ($f_a \gtrsim 10^9$ GeV). However, recent work has pointed out that viable axion models may also exist for ($f_a \sim 1$ GeV). In our research, we derive stringent constraints on this axion scenario from kaon decay measurements.

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