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## Chiral extrapolation of the lightest scalar meson

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In this work we study the dependence of the f0(600) meson with respect to variations of the light quark masses. THis is achieved by means of unitarized Chiral Perturbation Theory, which is known to provide a remarkable description of meson-meson interactions below 1.2 GeV, compatible with the standard Chiral Perturbation Theory expansion at low energies. The latter provides the correct dependence on the quark masses dictated by QCD. The interest of these results is to bridege the gap with lattice studies of scalar mesons, which generically contain large quark masses in their calculations. As a spin-off, it has some interest in the discussion on Anthropic constraints on quark masses.

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