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The light-by-light contribution to the muon (g-2) within nonlocal chiral quark model

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The light-by-light contribution to the anomalous magnetic moment of muon is calculated in the framework of the nonlocal chiral quark model. The contributions from pseudoscalar and scalar resonances and nonresonance contact terms are included. Full kinematic dependence of vertices with off-shell photons and mesons in intermediate states in the light-by-light scattering amplitude is taken into account. The limit of local quark model is discussed.

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