

Pion observables in Minkowski space.

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We present a dynamical model for describing the pion structure. We based our analysis considering the pion as a bound state of a quark anti-quark pair interacting through a one-gluon exchange. Using the Nakanishi integral representation, we solve the Bethe-Salpeter equation directly in Minkowski space. We obtain the pion weak decay constant, the LF-momentum distributions, the valence probability, the distribution amplitudes, the probability densities and the electromagnetic form factor, with a good agreement with available experimental data.

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