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The fermion-scalar system in Minkowski space

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A first, but thorough investigation of a fermion-scalar bound system has been carried out by solving the Bethe-Salpeter equation in Minkowski space and using a ladder kernel containing a massive exchange of a scalar or a vector boson. The LF momentum distributions have been obtained, shedding light on the possibility to correlate the features of those quantities and the underlying dynamics.

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