

Few-nucleon systems within EFT-pionless framework

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Scattering observables in few-nucleon systems are explored using the interaction model and theoretical framework established in Phys. Rev. C **103**, 054003 (2021). By refining the low-energy constants of the potential to accurately reproduce key two-body scattering observables, we obtain fresh insights and updated predictions for the observables under consideration. Moreover, since the potential successfully reproduces the interaction in the S-wave partial wave, we intend to employ it in future studies of the proton–proton reaction.

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