

Studying electroweak few-body observables in chiral effective field theory

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An accurate understanding of nuclear structure and dynamics is needed to extract new physics from nuclear effects

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The ingredients

Why chiral EFT?

The electric dip

Muon capture on deuteron

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Muon capture on deuteron

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Electromagnetic currents and magnetic form factors

LECs determination (classic approach)

New LECs

Prediction of

Mirror nuclei

Mirror nuclei

Summary

Sparse

References

