
Lorenzo CONTESSI

publication list



- L.C., M. Pavon Valderrama, and U. van Kolck
<https://arxiv.org/abs/2403.16596>
Limits on an improved action for contact effective field theory in two-body systems
- L.C., M. Schäfer, and U. van Kolck
Phys. Rev. A accepted and in production (2024)
Improved action for contact effective field theory.
- L.C., J. Kirscher, M. Pavon Valderrama
Phys. Rev. A accepted and in production (2024)
Unitary interaction geometries in few-body systems.
- L.C., M. Schäfer, Johannes Kirscher, Rimantas Lazauskas, Jaume Carbonel
Phys. Lett. B **840**, 137840 (2023)
Emergence of ${}^4\text{H } J^\pi=1^-$ resonance in contact theories.
- N. Barnea, B. Bazak, L.C., A. Gal, J. Mareš, M. Schäfer
EPJ Web Conf. **271** (2022) 01005
Baryonic effective field theory for light hypernuclei.
- L.C., J. Kirscher, M. Pavon Valderrama
Phys. Lett. A **408**, 127479 (2021)
Emergent four-body parameter in universal two-species bosonic systems.
- L.C., J. Kirscher, M. Pavon Valderrama
Phys.Rev.D **103** 5, 056001 (2021)
Triple-X and beyond: hadronic systems of three and more X(3872).
- M. Schäfer, L.C., A. Gal, J. Kirscher, J. Mareš
Phys. Lett. B **816** 136194 (2021)
Multi-fermion systems with contact theories.
- L.C., N. Barnea, A. Gal
AIP Conf. Proc. **2130** 1, 040012 (2019)
 $B_\Lambda({}^4_\Lambda\text{He})$ from short range effective field theory.
- L.C., M. Schäfer, N. Barnea, A. Gal, J. Mareš
Phys. Lett. B **797**, 134893 (2019)
The onset of $\Lambda\Lambda$ hypernuclear binding.
- L.C., N. Barnea, A. Gal
Phys. Rev. Lett. **121**, 102502 (2018)
Resolving the Lambda Hypernuclear overbinding problem in pionless effective field theory.
- L.C., A. Lovato, F. Pederiva, A. Roggero, J. Kirscher and U. van Kolck
Phys. Lett. B **772**, 839-848 (2018)
Ground-state proprieties of ${}^4\text{He}$ and ${}^{16}\text{O}$ extrapolated from lattice QCD with pionless EFT.
- N. Barnea, L.C., D. Gazit, F. Pederiva, U. van Kolck
Phys. Rev. Lett. **114** 5, 052501 (2015)
Effective Field Theory for Lattice Nuclei.