

## Reviews

A review from some years ago that includes most of what was discussed in the lectures is [9]. Lecture notes in a different approach, but that cover some of the same material are [10].

## Lecture 1

1. some scales for nuclear and atomic physics
2. non-relativistic Lagrangian with short-range interactions
3. the two-body T matrix
4. unitarity, scale invariance, and universality
5. remarks on long-range interactions

## Lecture 2

1. the three-body T matrix
2. discrete scale invariance
3. the four-body system
4. the many-body system
5. remarks on long-range interactions

## References

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- [6] B. Bazak, M. Eliyahu, and U. van Kolck, "Effective Field Theory for Few-Boson Systems", *Phys. Rev. A* 94 (2016) 052502.
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- [10] U. van Kolck, "Effective Field Theories of Loosely Bound Nuclei", *Lect. Notes Phys.* **879** (2014) 123–182.