

## List of publications by [Elena A. Kolganova](#)

### Few-Body Problems within Faddeev Approach

- [1] A.A. Korobitsin, E.A. Kolganova: Ultracold Neon Trimer via Faddeev Differential Equations In: Orr N., Ploszajczak M., Marques F., Carbonell J. (eds) [Recent Progress in Few-Body Physics. Springer Proceedings in Physics, 238](#) (2020) 35.
- [2] E. A. Kolganova and V. A. Roudnev: “Weakly Bound LiHe<sub>2</sub> Molecules in the Framework of Three-Dimensional Faddeev Equations”, [Few-Body Systems 60](#) (2019), 32.
- [3] E. A. Kolganova: Faddeev Calculation of Helium Atom – LiHe-dimer Scattering Length, [Few-Body Systems 59](#) (2018), 28.
- [4] A. A. Korobitsin, E. A. Kolganova, A theoretical study of van der Waals neon trimer using Faddeev equations, [Phys. Part. Nuclei Lett. 14](#), 971-974 (2017).
- [5] A. A. Korobitsin, E. A. Kolganova, O. P. Klimenko, and W. Sandhas, “Three-atomic clusters of rare gases within Faddeev approach”, [Phys. Atom. Nucl. 80](#), 553-557 (2017).
- [6] E. A. Kolganova, A. K. Motovilov, and W. Sandhas, “The <sup>4</sup>He Trimer as an Efimov System: Latest Developments”, [Few-Body Systems 58](#), 35 (2017).
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- [8] A. A. Korobitsin and E. A. Kolganova, “Two-body and three-body rare-gas clusters ”, [Phys. Part. Nucl. 48](#), 900-905 (2017).
- [9] E. A. Kolganova, “Efimov states in asymmetric three-body atomic clusters”, [Phys. Part. Nucl. 48](#), 892-896 (2017).
- [10] E. A. Kolganova, “*Weakly bound Li He<sub>2</sub> molecules*”, [Few-Body Systems 57](#) (2017), 58.
- [11] E. A. Kolganova, *Ultracold Scattering and Universal Correlations*, [Few-Body Systems 55](#) (2014), 957–960.
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- [13] E. A. Kolganova, A. K. Motovilov, and W. Sandhas, *The <sup>4</sup>He trimer as an Efimov system*, [Few-Body Systems 51](#) (2011), 249–257.
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- [15] E. A. Kolganova, A. K. Motovilov, and W. Sandhas, *Ultracold collisions in the system of three helium atoms*, [Physics of Particles and Nuclei 40:2](#) (2009), 206—235.

- [16] E. A. Kolganova, A. K. Motovilov, and W. Sandhas, *Ultracold helium trimers*, *Few-Body Systems*, **44** (2008), 233—236.
- [17] E. A. Kolganova, V. Roudnev, and M. Cavagnero, “Solution of three-dimensional Faddeev equations: ultracold Helium trimer calculations with a public quantum three-body code”, In: *Proceeding of the 2nd South Africa - JINR Symposium “Models and Methods in Few- and Many-Body Systems”*, edited by F. Simkovic, ISBN-978-5-9530-0264-6, pp. 32–40 (2010); [arxiv: <http://arxiv.org/abs/1010.1404>].
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