Publications

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Publications, books and refereed scientific articles

Books:

1. Morten Hjorth-Jensen, *Computational Physics, an introduction*, to be published by IOP in 2017.
2. Morten Hjorth-Jensen, *Computational Physics, an advanced course*, to be published by IOP in 2017.
3. Morten Hjorth-Jensen, *Nuclear many-body physics, a computational perspective*, in preparation for Taylor Francis.
4. Morten Hjorth-Jensen, M.P. Lombardo and U. van Kolck, *Computational Nuclear Physics-Bridging the scales, from quarks to neutron stars*, Lectures Notes in Physics by Springer, Volume **936** (2017).

Publications in journals with a referee system:

1. Morten Hjorth-Jensen, *Understanding the limits of nuclear stability*, Physica Scripta Focus issue on 21st Century Frontiers, in press (2017).
2. Morten Hjorth-Jensen, *Correlations i many-body systems*, *Progress in Particle and Nuclear Physics*, in press (2017).
3. Erich W. Ormand, Alex B. Brown and Morten Hjorth-Jensen, *First-principles calculations for c-coefficients of the isobaric mass multiplet equation in the 1p0f shell*, *Physical Review C* Rapids, 96:xxxx (2017).
4. Morten Hjorth-Jensen, M.P. Lombardo and U. van Kolck, *Motivation and Overarching Aims*, *Lecture Notes in Physics*, Editors M. Hjorth-Jensen, M.P. Lombardo and U. van Kolck, Volume **936** pages 1-4 (2017).

5. Justin Lietz, Sam Novario, Gustav, Jansen, Gaute Hagen, and Morten Hjorth-Jensen, *High-performance computing and infinite nuclear matter*, *Lecture Notes in Physics*, Editors M. Hjorth-Jensen, M.P. Lombardo and U. van Kolck, Volume **936** pages 293-399 (2017).

6. Fei Yuan, Sam Novario, Nathan Parzuchowski, Sarah Reimann, Scott K. Bogner and Morten Hjorth-Jensen., *First principle calculations of quantum dot systems*, Journal of Chemical Physics, "in press (2017).

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8. Naofumi Tsunoda, Takaharu Otsuka, Noritaka Shimizu, Morten Hjorth-Jensen, Kazuo Takayanagi, Toshio Suzuki, *Exotic neutron-rich medium-mass nuclei with realistic nuclear forces*, *Physical Review C* Rapids, 95:021304(R) (2017).

9. G. Hagen, M. Hjorth-Jensen, G. R. Jansen, T. Papenbrock, *Emergent properties of nuclei from ab initio coupled-cluster calculations*, *Physica Scripta*, 91:063006 (2016).

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