

# Shi Jin

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## Education

University of Washington (UW)

Seattle, WA, USA

*PhD in Physics*

2018 (*expected*)

- *Weiss Award*, Department of Physics, UW (2015)
- Research Assistant, 2014 - present; Teaching Assistant, 2013 - 2014.

University of Science and Technology of China (USTC)

Hefei, Anhui, China

*Bachelor of Science*

*Jun. 2013*

- *Excellent Graduates Award*, USTC (2013)
- *Outstanding Students Award*, USTC (2010, 2011, 2012, 2013)
- Visiting student in Department of Physics, University of Oxford (Jul. – Oct. 2012)

## Publications

- A. Bulgac and S. Jin, *Dynamics of Fragmented Condensates and macroscopic entanglement*, Phys. Rev. Lett. 119, 052501 (2017)
- S. Jin, A. Bulgac, K. Roche and G. Wlazłowski, *Coordinate-Space Solver for Superfluid Many-Fermion Systems with Shifted Conjugate Orthogonal Conjugate Gradient Method*, Phys. Rev. C 95, 044302 (2017)
- J. Grineviciute, P. Magierski, A. Bulgac, S. Jin and I. Stetcu, *Accuracy of fission dynamics within the time dependent superfluid local density approximation*, Proceedings of XXXV Mazurian Lakes Conference on Physics, Piaski, Poland, September 3-9, 2017
- A. Bulgac, M. M. Forbes, S. Jin, R. Navarro Perez and N. Schunck, *A Minimal Nuclear Energy Density Functional*, arXiv: 1708.08771
- A. Bulgac, S. Jin, P. Magierski, K.J. Roche, N. Schunck, and I. Stetcu, *Nuclear Fission: from more phenomenology and adjusted parameters to more fundamental theory and increased predictive power*, The FUSION17 conference, Hobart, Australia, Feb. 20-24, 2017
- A. Bulgac, S. Jin, P. Magierski, K.J. Roche, and I. Stetcu, *Microscopic theory of nuclear fission*, PoS(INPC2016)225, the 26th International Nuclear Physics Conference, Adelaide, Australia, Sep. 11-16, 2016
- A. Bulgac, S. Jin, P. Magierski, K.J. Roche, and I. Stetcu, *Induced fission of  $^{240}\text{Pu}$* , the 6th International Conference on Fission and Properties of Neutron-Rich Nuclei, Sanibel Island, FL, Nov. 6-12, 2016
- A. Bulgac, M.M. Forbes, and S. Jin, *Nuclear density functionals: what do we really know?* arXiv:1506.09195

## Talks and Posters

- LANL FIESTA Fission School & Workshop, Sep. 17-22, 2017, Santa Fe, NM, USA  
Poster: *Induced fission of  $^{240}\text{Pu}$  within time-dependent density functional theory.*
- APS Northwestern Section Meeting, May 14-16, 2015, Pullman, WA, USA  
Talk: *Shifted Conjugate-Orthogonal Conjugate-Gradient (COCG) method in Nuclear Physics*