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Ph.D. in Physics, JILA (University of Colorado at Boulder and NIST) 2010
Thesis: Probing an Interacting Bose Gas in a Quasi-Two-Dimensional Trap
Advisor: Prof. Eric Cornell

Appointments

- Assistant professor, National Tsing Hua University (Taiwan), 2016/8 – present

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Publications

1. Y.-D. Chen, W.-X. Li, M.-E. Chou, C.-S. Kuo, C.-S. Li, and Tung, S., *Lithium-cesium slow beam from a two-dimensional magneto-optical trap*, Phys. Rev. A **103**, 023102 (2021).
2. S. Tung, K. Jiménez-García, J. Johansen, C. Parker, and C. Chin, *Geometric Scaling of Efimov States in a* ^{6}Li-^{133}Cs *Mixture*, Phys. Rev. Lett., **113**, 240402 (2014).
3. L.-C. Ha, C.-L. Hung, X. Zhang, U. Eismann, S. Tung, and C. Chin, *Strongly Interacting Two-Dimensional Bose Gases*, Phys. Rev. Lett., **110**, 145302 (2013).
4. S. Tung, C. Parker, J. Johansen, C. Chin, Y. Wang, and P. Julienne, *Ultracold Mixture of* ^{6}Li *and* ^{133}Cs *Atoms with Tunable Interactions*, Phys. Rev. A., **87**, 010702(R) (2013).
5. X. Zhang, C.-L. Hung, S. Tung, and C. Chin, *Observation of Quantum Criticality with Ultracold Atoms in Optical Lattices*, Science **335**, 1070 (2012).
6. C.-L. Hung, X. Zhang, L.-C. Ha, S. Tung, N. Gemelke, and C. Chin, *Extracting Density-Density Correlations from In-Situ Images of Atomic Quantum Gases*, New. J. Phys. **13**, 075019 (2011).
7. X. Zhang, C.-L. Hung, S. Tung, N. Gemelke, and C. Chin, *Exploring Quantum Criticality Based on Ultracold Atoms in Optical Lattices*, New. J. Phys. **13**, 045011 (2011).
8. S. Tung, G. Lamporesi, D. Lobser, L. Xia, E. A. Cornell, *Observation of Presuperfluid Regime in a Two-Dimensional Bose Gas*, Phys. Rev. Lett. **105**, 230408 (2010).
9. V. Schweikhard, S. Tung, S, and E. A. Cornell, *Vortex Proliferation in the Berezinskii-Kosterlitz-Thouless Regime on a Two-Dimensional Lattice of Bose-Einstein Condensates*, Phys. Rev. Lett. **99**, 030401 (2007).
10. S. Tung, V. Schweikhard, and E. A. Cornell, *Observation of Vortex Pinning in Bose-Einstein Condensates*, Phys. Rev. Lett. **97**, 240402 (2006).
11. I. Coddington, P. C. Haljan, P. Engels, V. Schweikhard, S. Tung, and E. A. Cornell, *Experimental Studies of Equilibrium Vortex Properties in a Bose-Condensed Gas*, Phys. Rev. A **70**, 063607 (2004).
12. V. Schweikhard, I. Coddington, P. Engels, S. Tung, and E. A. Cornell, *Vortex-Lattice Dynamics in Rotating Spinor Bose-Einstein Condensates*, Phys. Rev. Lett., **89**, 210403 (2004).