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- **Education**

Ph.D. Candidate in Physics, Florida State University, 2006-2012.

Current GPA: 3.9 / 4

B.S. in Physics, Zhejiang University, 2002-2006.

GPA: Overall 3.74 / 4, Major 3.63 / 4

- **Professional experience**

Postdoctoral research associate, Rice University, Sept. 2012 - Aug. 2015

Postdoctoral research associate, University of California, Santa Cruz, Sept. 2015 – Aug. 2017

Postdoctoral research associate, Kavli Institute of Theoretical Sciences at the University of Chinese Academy of Sciences, Sept. 2017 - present

- **Research experience**

September 2 – October 3, Magnetism, Bad Metals and Superconductivity: Iron Pnictides and Beyond

Poster: Effective Exchange Interactions for Bad Metals Near Metal-Insulator Transition and Implication for Iron Pnictides, , by Wenxin Ding , Rong Yu, Qimiao Si, Elihu Abrahams.

March 3–7, 2014, Colorado, CO. March Meeting of America Physics Society (APS)

Presentation: J46.00010: Anomalous Hall Effect in Frustrated Kondo Lattices and Implications for Heavy Fermion System $\text{Pr}_2\text{Ir}_2\text{O}_7$, by Wenxin Ding , Qimiao Si.

January 13 – 18, 2014, Aspen, CO. Aspen Center for Physics, Winter Conference “Beyond Quasiparticles: New Paradigms for Quantum Fluids Aspen”.

December 9-11, 2013, Houston, TX. Rice University, Workshop on “Heavy Fermion Materials and Quantum Phase Transitions”.

March 18-22, 2013, Baltimore, MD: March Meeting of America Physics Society (APS)

Presentation: A19.00009: Time-reversal symmetry breaking and anomalous Hall effect in heavy fermion metals, by Wenxin Ding, Qimiao Si.

March 15–19, 2010, Portland, Oregon: March Meeting of America Physics Society (APS).

Presentation 1: W33.00007: Entanglement Entropy and Mutual Information in Bose-Einstein Condensates, by Wenxin Ding, Kun Yang.

Presentation 2: L21.00012: Edge states and transmission coefficients of monolayer-bilayer graphene zigzag interfaces, by Wenxin Ding, Zi-Xiang Hu, Oskar Vafek, Kun Yang.

January 20 - June 12, 2009, Kavli Institute of Theoretical Physics (KITP) Program: Low Dimensional Electron Systems.

June 30 - July 18, 2008, Boulder School for Condensed Matter and Material Physics: Strongly Correlated Materials.

March 10–14, 2008, New Orleans, Louisiana: March Meeting of America Physics Society (APS). Presentation: W15.00008: Entanglement Entropy of States with Long-Range Magnetic Order, by Wenxin Ding, Nicholas Bonesteel, Kun Yang.

August 13th-August 16th, 2007, Princeton Center for Complex Materials (PCCM) Summer School on Condensed Matter Physics

March 5th -9th, 2007, APS March Meeting (no presentation), Denver, CO.

Sept. 2006- July 2012, Graduate Research Assistant Science, Condensed Matter / Theory, NHMFL.

September 2005-June 2006, Member of team on strong correlation systems, Supervisor: Prof. Xin Wan, Zhejiang Institute of Modern Physics, Physics Department, Zhejiang University.

May 2004 - May 2005, Participation in the Student Research Training Program (SRTP) under the supervision of Prof. Zhengmao Sheng, on *Analytical Study of Nonlinear Integrable Systems*.

August 1st – August 19th, 2005 *Particle Physics, Astronomy, and Cosmology Summer School*, held by Zhejiang Institute of Modern Physics, Zhejiang University.

- **Publications**

Wenxin Ding, Rok Zitko and B Sriram Shastry, Phys. Rev. B. **96**, 115153 (2017), *A Strange Metal from Gutzwiller correlations in infinite dimensions: Transverse Transport, Optical Response and Rise of Two Relaxation Rates*.

Wenxin Ding, Rok Zitko, Peizhi Mai, Edward Perepelitsky and B Sriram Shastry,

Phys. Rev. B 96, 054114 (2017), *A Strange Metal from Gutzwiller correlations in infinite dimensions.*

Wenxin Ding, Qimiao Si, manuscript in preparation, *Local Density of States of Impurities in Mott Insulators.*

Wenxin Ding, Silke Paschen, Qimiao Si, arXiv:1507.07328, *Anomalous Hall effect and quantum criticality in geometrically frustrated heavy fermion metals.*

Wenxin Ding, Rong Yu, Qimiao Si, Elihu Abrahams, arXiv:1410.8118, *Effective Exchange Interactions for Bad Metals Near Metal-Insulator Transition and Implication for Iron Pnictides.*

Wenxin Ding, Alexander Seidel, and Kun Yang, Phys. Rev. X 2, 011012 (2012), *Entanglement entropy of Fermi liquids via multi-dimensional bosonization.*

Zi-Xiang Hu and **Wenxin Ding**, Phys. Lett. A **376**, 610 (2012), *Edge States at the Interface between Monolayer and Bilayer Graphene.*

Wenxin Ding and Kun Yang, Phys. Rev. A **80**, 012329 (2009), *Entanglement entropy and mutual information in Bose-Einstein condensates.*

Wenxin Ding, Nicholas E. Bonesteel, and Kun Yang, Phys. Rev. A **77**, 052109 (2008), *Block entanglement entropy of ground states with long-range magnetic order.*

Honors and Awards

June, 2012, Hellman-Dirac Award, Department of Physics, Florida State University.

Nominated by the physics department of Florida State University for the University fellow.

October 2004, Excellent Student for 2003-2004 academic year

October 2004, Third-Class Academic Scholarship for 2003-2004 academic year