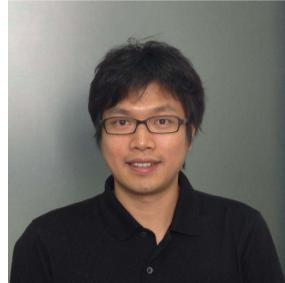




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复旦物理系教授（2012年起）

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主要经历:

2002清华大学物理系学士

2005中国科学院物理研究所硕士

2010美国田纳西大学物理系博士

2010-2012美国加州大学伯克利分校米勒研究员

个人荣誉:

曾获“万人计划”领军人才（2018），马丁伍德爵士中国物理科学奖（2018），求是杰出青年学者奖（2014）和Miller Fellowship（2010）等荣誉。

教学与研究领域:

研究领域:凝聚态物理。

研究方向: 高温超导，磁性材料，过渡金属氧化物等强关联电子体系的中子散射和X射线散射研究，晶体生长。

部分发表论文及研究成果:

1, Structure of spin excitations in heavily electron-doped Li_{0.8}Fe_{0.2}O FeSe superconductors

B. Pan, Y. Shen, D. Hu, Y. Feng, J. T. Park, A. D. Christianson, Q. Wang, Y. Hao, H. Wo and J. Zhao Nature Communications 8, 123 (2017)

2, Magnetic ground state of FeSe

Q. Wang, Y. Shen, B. Pan, X. Zhang, K. Iida, A. D. Christianson, H. C. Walker, D. T. Adroja, M. Abdel-Hafiez, Xiaojia Chen, D. A. Chareev, A. N. Vasiliev and J. Zhao Nature Communications 7, 12182 (2016)

3, Evidence for a spinon Fermi surface in a triangular-lattice quantum-spin-liquid candidate

Y. Shen, Y.-D. Li, H. Wo, Y. Li, S. Shen, B. Pan, Q. Wang, H. C. Walker, P. Steffens, M. Boehm, Y. Hao, D. L. Quintero-Castro, L. W. Harriger, M. D. Frontzek, L. Hao, S. Meng, Q. Zhang, G. Chen and J. Zhao. Nature 540, 559-562 (2016)

4, Strong interplay between stripe spin fluctuations, nematicity and superconductivity in FeSe

Q. Wang, Y. Shen, B. Pan, Y. Hao, M. Ma, F. Zhou, P. Steffens, K. Schmalzl, T. R. Forrest, M. Abdel-Hafiez, X. Chen, D. A. Chareev, A. N. Vasiliev, P. Bourges, Y. Sidis, H. Cao and J. Zhao Nature Materials 15, 159 (2016)

Jun Zhao

Professor

Ph.D. (2010), University of Tennessee, U.S.A.

Research Interests:

Using various neutron and X-ray scattering techniques to study the strongly correlated electron systems. Specific interest includes high T_c superconductors, multiferroics and other transition metal oxides.

Selected Publications:

- 1, Structure of spin excitations in heavily electron-doped Li_{0.8}Fe_{0.2}O FeSe superconductors
- B. Pan, Y. Shen, D. Hu, Y. Feng, J. T. Park, A. D. Christianson, Q. Wang, Y. Hao, H. Wo and J. Zhao Nature Communications 8, 123 (2017)
- 2, Magnetic ground state of FeSe
- Q. Wang, Y. Shen, B. Pan, X. Zhang, K. Iikeuchi, K. Iida, A. D. Christianson, H. C. Walker, D. T. Adroja, M. Abdel-Hafiez, Xiaojia Chen, D. A. Chareev, A. N. Vasiliev and J. Zhao Nature Communications 7, 12182 (2016)
- 3, Evidence for a spinon Fermi surface in a triangular-lattice quantum-spin-liquid candidate
- Y. Shen, Y.-D. Li, H. Wo, Y. Li, S. Shen, B. Pan, Q. Wang, H. C. Walker, P. Steffens, M. Boehm, Y. Hao, D. L. Quintero-Castro, L. W. Harriger, M. D. Frontzek, L. Hao, S. Meng, Q. Zhang, G. Chen and J. Zhao. Nature 540, 559-562 (2016)
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- Q. Wang, Y. Shen, B. Pan, Y. Hao, M. Ma, F. Zhou, P. Steffens, K. Schmalzl, T. R. Forrest, M. Abdel-Hafiez, X. Chen, D. A. Chareev, A. N. Vasiliev, P. Bourges, Y. Sidis, H. Cao and J. Zhao Nature Materials 15, 159 (2016)
- 5, Spin Waves and Magnetic Exchange Interactions in CaFe₂As₂
- J. Zhao, D. T. Adroja, Dao-Xin Yao, R. Bewley, Shilong Li, X. F. Wang, G. Wu, X. H. Chen, J. Hu, P. Dai Nature Physics 5, 555 (2009)
- 6, Structural and Magnetic Phase Diagram of CeFeAsO_{1-x}F_x and its Relationship to High-temperature Superconductivity
- J. Zhao, Q. Huang, C. de la Cruz, S. Li, J. W. Lynn, Y. Chen, M. A. Green, G. F. Chen, G. Li, Z. Li, J. L. Luo, N. L. Wang, P. Dai., Nature Materials 75, 953 (2008)

Vasiliev, P. Bourges, Y. Sidis, H. Cao and J. Zhao Nature Materials 1
5, 159 (2016)
5, Spin Waves and Magnetic Exchange Interactions in CaFe₂As₂
J. Zhao, D. T. Adroja, Dao-Xin Yao, R. Bewley, Shiliang Li, X. F. Wan
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