

Kangjun Seo

Publications

- 8) **Kangjun Seo**, Chen Fang, B. Andrei Bernevig, and Jiangping Hu, “Magnetic Properties of the Superconducting State of Iron-Based Superconductors,” arXiv:0903.2025, <http://arxiv.org/abs/0903.2025>.
- 7) Yan-Yang Zhang, Chen Fang, Xiaoting Zhou, **Kangjun Seo**, Wei-Feng Tsai, B. Andrei Bernevig, and Jiangping Hu, “Quasiparticle Scattering Interference in Superconducting Ironpnictides,” arXiv:0903.1694, <http://arxiv.org/abs/0903.1694>.
- 6) **Kangjun Seo**, B. Andrei Bernevig and Jiangping Hu, “Pairing Symmetry in a Two-Orbital Exchange Coupling Model of Oxypnictides,” *Phys. Rev. Lett.* **101**, 206404 (2008), <http://link.aps.org/abstract/PRL/v101/e206404>.
- 5) **Kangjun Seo**, Han-Dong Chen and Jiangping Hu, “Complementary Pair Density Wave and d -wave Checkerboard Order in High Temperature Superconductors,” *Phys. Rev. B* **78**, 094510 (2008), <http://link.aps.org/abstract/PRB/v78/e094510>.
- 4) **Kangjun Seo**, Han-Dong Chen and Jiangping Hu, “ d -Wave Checkerboard Order in Cuprates,” *Phys. Rev. B* **76**, 020511(R) (2007), <http://link.aps.org/abstract/PRB/v76/e020511>.
- 3) Jiang-Ping Hu and **Kangjun Seo**, “Competing order and the asymmetric tunneling spectrum in high temperature cuprate superconductors,” *Phys. Rev. B* **73**, 094523 (2006), <http://link.aps.org/abstract/PRB/v73/e094523>.
- 2) Jae Sung Lee, Dong Soo Lee, Ji Young Ahn, Gi Jeong Cheon, Seok-Ki Kim, Jeong Seok Yeo, **Kangjun Seo**, Kwang Suk Park, June-Key Chung and Myung Chul Lee, “Blind Separation of Cardiac Components and Extraction of Input Function from $H_2^{15}O$ Dynamic Myocardial PET Using Independent Component Analysis,” *J. Nucl. Med.* **42**, 938 (2001), <http://jnm.snmjournals.org/cgi/content/abstract/42/6/938>.
- 1) **Kangjun Seo**, “Factor analysis of $H_2^{15}O$ dynamic PET images and quantification of renal cortical blood flow,” Master’s Thesis, Seoul National University, 2001.

Presentations

- 8) **Kangjun Seo**, Chen Fang, Jiangping Hu, and B. Andrei Bernevig, “Global phase diagram and the spin structure in the Fe-based superconductors,” APS March Meeting, Pittsburgh, Pennsylvania, USA, 2009, <http://meetings.aps.org/Meeting/MAR09/Event/95404>.
- 7) **Kangjun Seo** and Jiangping Hu, “The effect of electron pockets on the quasiparticle interference patterns in cuprates,” APS March Meeting, New Orleans, Louisiana, USA, 2008, <http://meetings.aps.org/Meeting/MAR08/Event/77802>.
- 6) **Kangjun Seo**, Wei Qi, Sabre Kais, and Jiangping Hu, “The few-body bound states in the ultra cold quantum gas,” Theory Seminar, Department of Chemistry, Purdue University, IN, USA, 2007.
- 5) **Kangjun Seo**, and Jiangping Hu, “The duality of the density orderings in the high temperature superconductor,” APS March Meeting, Denver, Colorado, USA, 2007, <http://meetings.aps.org/Meeting/MAR07/Event/61197>.
- 4) **Kangjun Seo**, Han-Dong Chen, Jiangping Hu, “Hidden D-Wave Checkerboard Order in Cuprates,” APS March Meeting, Baltimore, Maryland, USA, 2006, <http://meetings.aps.org/Meeting/MAR06/Event/40994>.

- 3) **Kangjun Seo**, and Jiangping Hu, “Competing Order and Asymmetric Tunnelling Spectrum”, APS March Meeting, Los Angeles, California, 2005,
<http://meetings.aps.org/Meeting/MAR05/Event/22136>.
- 2) Ji Young Ahn, **Kangjun Seo**, Jae Sung Lee, Dong Soo Lee, “Quantification of Renal Cortical Blood Flow Using O-15 Water Dynamic PET and Factor Analysis,” Poster Session, *IEEE NSS-MIC Workshops*, Lyon, France, 2000,
<http://nss2000.in2p3.fr/Program/topic36.htm>.
- 1) Jae Sung Lee, Ji Young Ahn, Dong Soo Lee, **Kangjun Seo**, Kwang Suk Park, “Application of Factor and Cluster Analysis for the Parametric Image of Myocardial Blood Flow Using O-15 Water and Dynamic PET,” Poster Session, *IEEE NSS-MIC Workshops*, Lyon, France, 2000,
<http://nss2000.in2p3.fr/Program/topic36.htm>