

Theory Seminar



Monday, January 23, 2012 2:10 PM 831 Pupin Hall

Holographic Fermi Surfaces and Quantum Electron Stars

Fermi surfaces are a frontier in our understanding of quantum field theory. In fact, our understanding of non-Fermi liquids is so poor that input from string theory (via holographic duality) can be useful. In this talk, I'll discuss holographic constructions which capture features of observed non-Fermi liquids, as well as recent progress which addresses the shortcomings of these constructions.



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