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Physics Colloquium

"Superconductivity, the Universe, and Everything"

Dr. Anton Vorontsov
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Friday, March 20, 2015
4:10 – 5:00 pm, 103 EPS

Abstract: In this talk I will introduce concepts of broken symmetry and superconductivity; describe the waves of superconductivity and how we can use them to test for new condensate phases with non-uniform order parameter. Using this as an example, I will attempt to highlight some connections between physics of superfluid condensates and plasma-like features of metals, light propagation in matter, gravity and Higgs mechanism, including some medieval references by the end.

Host: Jiong Qiu
Refreshments 3:45 p.m. EPS 2nd Floor Atrium

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