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Mr. BARCLAY, Luke (Durham University): Holographic Superconductors in Gauss-Bonnet Gravity

Friday, 17 September 2010 14:45 (15 minutes)

The concept of the holographic superconductor provides an exciting and novel way of investigating high temperature superconductivity via the study of black hole physics. In this talk I will discuss recent work done by myself and collaborators in which we studied fully back-reacting, holographic superconductors in Gauss-Bonnet gravity. First, I will give a brief introduction to the subject. I will then discuss our findings regarding the effect of the Gauss-Bonnet terms on the superconductor.

Session Classification: 6 talks (Chair: Nikolaos MAVROMATOS)