

CU Physics Department Colloquium

Monday, January 26, 2009 4:10 PM 428 Pupin Hall

String theory: hot or cold?

Steven S. Gubser, Princeton University

String theory may be able to help us understand the hot quark-gluon plasma formed in heavy ion collisions. It may also provide insights relevant to the low-temperature phenomena like superconductivity. Black holes in string theory provide a powerful venue for finite-temperature calculations. I will review some of the progress on applying such calculations to heavy-ion physics, including the rapid energy loss from heavy quarks. I will also describe some of the recent work relating string theory to low-temperature physics, including an explanation of how black holes can superconduct.

Meet the Speaker will be held at 3:30 PM in 705 Pupin

Hosted by Miklos Gyulassy

