

APR16-2016-030047

Abstract for an Invited Paper
for the APR16 Meeting of
the American Physical Society

Gravitational lessons from Holographic Entanglement Entropy

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Entanglement entropy is a useful measure of entanglement, a quintessentially quantum feature of physical systems. Though its intricate nature renders it hard to calculate in all but the simplest settings, for strongly coupled field theories the tools of holography come to the rescue. This talk will review holographic entanglement entropy in AdS/CFT in a general time-dependent setting, and indicate some of the uses and insights gained from this prescription.