

JOINT TUFTS/MIT COSMOLOGY SEMINAR

Dual description of a 4d cosmology

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In my talk I will discuss our recent paper [hep-th/1211.1322](#) where we construct a 3D conformal field theory dual to asymptotically AdS cosmology in four dimensions. Due to the scale invariance this dual theory allows an infinite family of instantons each of which breaks the conformal group $O(3,2)$ down to cosmological symmetry $O(3,1)$. These instantons might mediate an infinite instability, however we are able to sum over all of them completely. The resulting theory spontaneously breaks conformal symmetry but is manifestly stable, unitary and finite.

Tuesday, November 27, 2012, 2:30 pm
Robinson Hall, Room 250
Tufts University

Refreshments at 2:00 in Knipp Library, Room 251