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The Holographic Goldstino

Monday, 13 April 2015 15:00 (40 minutes)

We find the fingerprints of the Goldstino associated to spontaneous supersymmetry breaking at strong coupling, using holography. The Goldstino massless pole arises in two-point correlators of the supercurrent, due to contact terms in supersymmetry Ward identities. We show how these contact terms are obtained from the holographic renormalization of the gravitino sector, independently of the details of the background solution.

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