

JOINT TUFTS/MIT COSMOLOGY SEMINAR

Quantum fluctuations and instantons.

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The Coleman boundary conditions for instantons are reanalyzed by taking into account inevitable quantum fluctuations. We show that these fluctuations regularize the classical $O(4)$ solutions which were singular before. In turn, these new solutions contribute to the false vacuum decay.

Tuesday, October 27, 2020, 2:30 pm

Zoom link will be distributed to joint cosmology seminar mailing list. If not subscribed see <https://cosmos.phy.tufts.edu/mailman/listinfo/cosmology-seminar>

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