JOINT TUFTS/MIT COSMOLOGY SEMINAR

Fuzzballs, firewalls, and all that
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The fuzzball conjecture gives a resolution to the black hole information paradox. But some people had argued for alternative approaches, where the problem was resolved by (a) small corrections or (b) complementarity. Over the past few years, results using strong subadditivity have shown that both (a) and (b) necessarily imply a nonlocality across very large distances. Thus if information is to escape in Hawking radiation, then we must either agree that all microstates are fuzzballs or admit nonlocal effects like wormholes which connect the hole to its escaped radiation.

Tuesday, November 12, 2013, 2:30 pm
Robinson Hall, Room 250
Tufts University

Refreshments at 2:00 in Knipp Library, Room 251