

JOINT TUFTS/MIT COSMOLOGY SEMINAR

Black Hole Absorption Rates from Conservation Laws

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Conservation of energy and the “large gauge symmetries” of electromagnetism fully constrain the absorption rate of low-energy electromagnetic radiation by black holes. I will show this explicitly for non-evaporating, spherically symmetric black holes in arbitrary space-time dimensions larger than 3. I’ll also discuss some interesting extensions of the program. Based on arXiv:1609.04397.

Tuesday, October 4, 2016, 2:30 pm
574 Boston Ave, Room 316
Tufts University

Refreshments at 2:00 outside room 304