Physics Department Seminar

Friday March 11th, 2011
11:00am in PhSc 108

Hawking Radiation for Undergraduates

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Abstract:
I will discuss the Hawking and Unruh effects which are at the interface between the quantum and gravitational regimes, and may help point the way toward a consistent theory of quantum gravity. These effects—which normally require quantum field theory— are explained here using (advanced) undergraduate physics—wave equation and quantum tunneling.