

University of Wisconsin-Milwaukee

Dept. of Physics
COLLOQUIUM

Zero-Point Energy:
Still Interesting (and Mysterious)
After All These Years

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3:30 PM (coffee/cookies at 3:15 PM)

Lapham Hall – Room 160

Following a brief review of how zero-point energy first appeared in quantum theory, and how the concept has come to be accepted over the years, I will describe some of the evidence for the physical reality of zero-point energy and zero-point fluctuations, especially in the context of quantum electrodynamics and quantum optics. I will also address some questions surrounding the existence of zero-point energy.