



Western University
Department of Physics and Astronomy

PHYSICS & ASTRONOMY COLLOQUIUM

Date: Thursday, 23rd March 2017
Time: 1:30 p.m.
Location: Physics & Astronomy Seminar Room 100

Dr. Richard A. Holt
Department of Physics & Astronomy
Western University

"Some Random Thoughts on Quantum Mechanics"

ABSTRACT

In 1900 Planck tentatively suggested his Energieverteilungsgesetz and in 1905 Einstein boldly turned it into the Lichtquant. Yet, despite more than a century of astonishingly accurate quantitative calculations in Quantum Mechanics, its "Foundations" bear more than a passing resemblance to a murky cellar. We will take a tour of the Measurement Problem, encountering Schrödinger's Cat, Wigner's Friend, the rapidly splitting Many-Worlds Hydra, Hidden Variables, and other denizens of the nether regions. I will try to convince you that something is rotten in the state reduction of Denmark, decoherence doesn't go far enough, and John Bell was a genius.

COFFEE + light snacks will be available in the Atrium, 2nd floor, at 1:15 p.m.