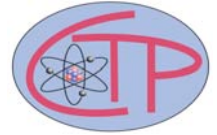




**NEW YORK CITY COLLEGE OF TECHNOLOGY**  
**Physics Department**  
**Center for Theoretical Physics**



# **Classical vs. Quantum Probability / Classical vs. Quantum Realism**

***Presented by:***

**Dr. David Kagan**

**University of Massachusetts Dartmouth, MA, USA**

**Thursday, December 15 at 12:00 PM**  
**Namm, Room 823**

## **Abstract**

Quantum theory is the most successful physical framework ever conceived. Its predictions' precision is unparalleled, and it has passed every experimental test. Nevertheless, since its inception, the picture of the world painted by quantum theory is a murky one. Many practicing physicists try to avoid thinking about these thorny issues. Nevertheless, I will argue that interpretations of quantum theory cannot be avoided, however pragmatic the attitude. Furthermore, by comparing classical and quantum probability theories, I aim to motivate a promising approach to interpreting quantum theory: the minimal modal interpretation.

*Light refreshments will be served.*