



WOOSTER

Physics

Colloquium Series

11a.m. Tuesday, October 25th
Taylor 111



The 2022 Nobel Prize in Physics: Entangled Quantum States

Alain Aspect, John Clauser and Anton Zeilinger are sharing the 2022 Nobel Prize, for conducting groundbreaking experiments using entangled quantum states, where two particles behave like a single entity. In an entangled pair, what happens to one of the particles determines what happens to the other particle, even if they are far apart. These results have cleared the way for new technology based upon the information contained in quantum states. In this colloquium Dr. Cody Leary will present some history, physics, and applications of this field, including a discussion of Nobel recipients' work, with a round table discussion over pizza to follow.

