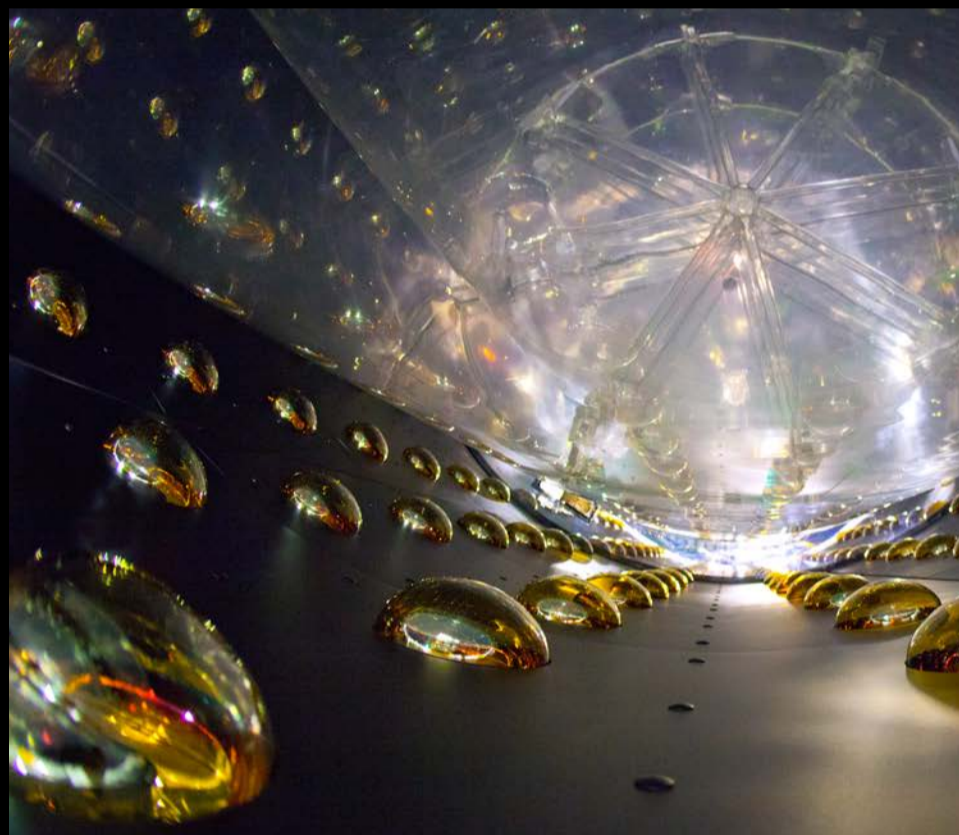




The Face-Changing Magic Show of Neutrinos

A Public Lecture by
Kam Biu Luk
University of California, Berkeley

**Recipient of 2016 Breakthrough
Prize in Fundamental Physics**



The Daya Bay Neutrino Experiment

Over the past decade, tremendous advances have been made in our understanding of the ghost-like neutrino particles. The three types of neutrinos have been observed to oscillate into one another confirming that they have an exceedingly small, though non-zero, mass. Prof. Luk will describe, in terms accessible to the general public, how neutrino oscillations are measured and how they impact our understanding of fundamental physics. In particular, the indication of an asymmetry between the oscillations of neutrinos and anti-neutrinos, announced this summer, might hold the key to explaining why matter dominates over antimatter in our universe thereby accounting for our existence.

Friday, November 11, 2016
Physics Lecture Hall
Busch Campus
Rutgers University
Free parking in Lot 53A



Exhibits: 7:00 pm
Lecture: 7:30 pm
Reception: 8:30 pm

<http://rumaps.rutgers.edu/location/physics-lecture-hall>

<http://rumaps.rutgers.edu/location/lot-53a>

Sponsored by the Rutgers
Physics & Astronomy Department