



香港城市大學
City University
of Hong Kong

Department of Mechanical & Biomedical Engineering

Nuclear Technology Public Seminar

Observation of the disappearance of neutrinos from the Daya Bay nuclear power plants

Dr. John Leung

Department of Physics

The University of Hong Kong



Date: 30 August 2013 (Friday)

Time: 6:30 pm– 8:30 pm

Venue: Lecture Theatre LT-10 , Academic Building 1, City University of Hong Kong

Registration: On-line free registration is via,
<http://www.hkarms.org/Registration/EventRegister.php?Event=56>
on a first-come-first-served basis.

For enquiries, please contact Dr Louis Liu, info@hkns.hk

Abstract:

For a long time, neutrinos were thought to be massless until the eighties and nineties of the last century when a process called neutrino oscillation was discovered. According to the Standard Model of particle physics, there are 3 types or flavors of neutrinos associated respectively to electrons, muons and tau. Neutrino oscillation is the process through which one flavor of neutrino can change into the other flavors during their flight. The Daya Bay Experiment is designed to measure an oscillation parameter of electron neutrino, called θ_{13} , by observing the disappearance of electron anti-neutrinos emitted from the three nuclear power plants in Daya Bay. This talk will give a brief introduction of neutrino oscillation and the Daya Bay Experiment.

Attendance/CPD Certificate will be provided

Co-organisers:



Supporting Organisations:

