This year’s 2015 Nobel Prize in Physics has been awarded to Prof. Kajita of the University of Tokyo and Prof. McDonald of Queens University, for the discovery of neutrino oscillations. Prof. Kajita was a leader of the Super Kamiokande experiment in the Kamioka mine in Japan which observed atmospheric neutrino oscillations in 1998 and Prof. McDonald was a leader of the SNO experiment at the Sudbury Mine in Canada that observed solar neutrino oscillations in 2002. In this talk I will review briefly the neutrino oscillation theory and then describe the remarkable measurements from the Super Kamiokande and SNO experiments. In addition, I will review the latest oscillation results from the long baseline experiments of the T2K and Nova collaborations.

Note: P&A Graduate Student talk 4:00-4:05PM:
Leah Huk: Modeling Spectropolarimetric Signatures of Type IIIn SNe

Host: Dr. Mark Siemens, (303) 871-3541, Mark.Siemens@du.edu
Join us for PIZZA and a special reception in the Olin Rotunda 5:00-6:30 PM