

Notre Dame **Science**
Department of Physics

THE BRAVE NU WORLD

Prof. André de Gouvêa

Northwestern University

Wednesday, April 27, 2011

4:00 P.M. NSH 118

(Refreshments at 3:30 P.M. NSH 202)

Over the past several years, we have discovered that, different from initial expectations, neutrinos have mass. After quickly reviewing the history of the neutrino and how we came to know that they have tiny but non-zero masses, I'll discuss all that we still know we don't know about neutrinos. In the end, I'll discuss why massive neutrinos are a big deal and how they may have changed our understanding of the particle physics world.

Colloquium

All interested persons are cordially invited to attend.