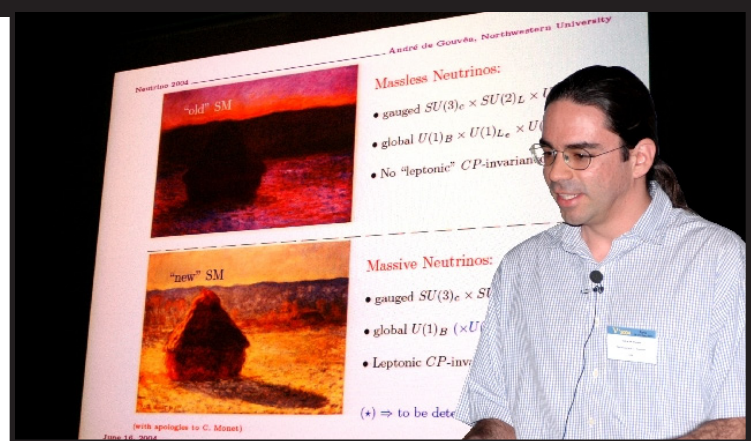


André de Gouvêa

Northwestern University



The Brave Nu World

Department of Physics Colloquium



WISCONSIN

Neutrinos are the most elusive of the known fundamental particles. Nonetheless, over the last 15 years, heroic experimental efforts aimed at understanding neutrinos have discovered that neutrinos are more interesting than originally dictated by the standard model of particle physics. After introducing the neutrinos, I will discuss how we came to discover that they have tiny but nonzero masses, comment on the most recent observations, and try to explain why this is a big deal. I will then describe some of the fundamental questions related to neutrinos, and how we hope to answer some of them in the near future.

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