

EINLADUNG ZUM  
**WIENER PHYSIKALISCHEN KOLLOQUIUM**

**THE DECADE OF THE NEUTRINO**

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The past decade has brought a revolution in the understanding of the ghostly neutrino. For most of the last century neutrinos were known to be chargeless and thought to be massless. In the last decade we have learned that neutrinos have finite mass and often exist in quantum states that are mixtures of mass eigenstates. The new knowledge has come from a series of remarkable experiments that demonstrate that neutrinos behave in ways that would have amazed Wolfgang Pauli. I will review our current understanding of the neutrino and speculate about what we are about to learn..

**Montag, 16. Juni 2008, 17:30 Uhr**

(ab 17:00 Uhr Kaffee)

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