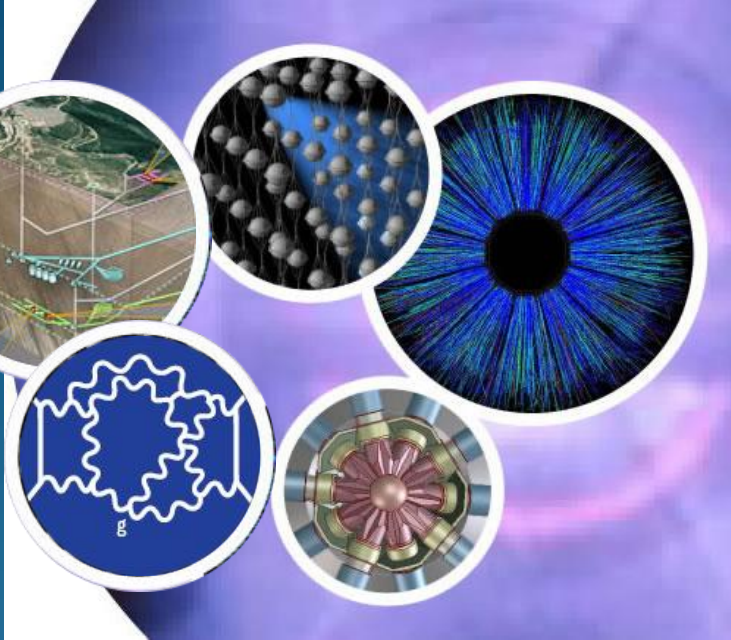


Nuclear Science Division Colloquium

Neutrino Physics: The Next Steps

Wick Haxton
LBNL

Wednesday
September 29, 2010
11:00am
Bldg. 50 Auditorium



Abstract: We were fortunate with neutrino physics and astrophysics over the past 20 years: mass differences and mixing angles nicely matched parameters like the solar density and the earth's radius. Will our luck hold in the next round of high precision measurements? I will describe some of the issues that may arise with long-baseline neutrino oscillation experiments, with comparisons between cosmological tests and direct neutrino mass measurements, with the next galactic supernova, and with efforts to use neutrinos to probe the high-energy limits of the universe.



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