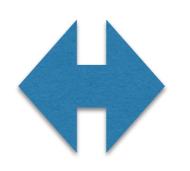
Neutrino Frontier

- "Topics relevant to physics associated with neutrinos"
- NF01: Neutrino oscillations
- NF02: Understanding experimental neutrino anomalies
- NF03: BSM
- NF04: Neutrinos from natural sources
- NF05: Neutrino properties
- NF06: Neutrino interaction cross sections
- NF07: Applications
- NF08: Theory of neutrino physics (also TF11)
- NF09: Artificial neutrino sources
- NFI0: Neutrino detectors
- + strong ties to all other frontiers



LBNL involvement

Long baseline: DUNE, THEIA Oscillations: Daya Bay, IceCube, THEIA DBD: CUPID, LEGEND, SNO+*, THEIA Nu mass: Katrin Nonpro: NEO, Eos/THEIA Detector development Material properties Theory

This session

Focus on 3 areas of opportunity where LBNL has unique expertise, and can / does have significant impact

- I. Long baseline physics: DUNE and other options Dan Dwyer (Physics)
- 2. Double beta decay into the NH, and low-energy physics Alan Poon (NSD)
- 3. Neutrinos for nonproliferation Bethany Goldblum (NSD)

Brief overview of the open questions and LBNL's role in the field

Time for questions

Intended to spur further conversation, plan for follow-on workshops to delve into more detail!