

Mini-workshop Oct 23/Nov 27

Neutrino nuclear responses for DBDs and astro neutrinos

NEWS

Neutrinos **E**lectro-Weak interactions and Symmetries

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Properties of neutrinos beyond SM are studied by double beta decays (DBDs). Neutrino nuclear responses (nuclear matrix element NME) are crucial for extracting neutrino properties. The workshop aims at active discussions on recent theoretical and experimental studies of the neutrino nuclear responses for DBDs and astro neutrinos.

Part I Oct 23, 2 -5 pm JST. Session chair Shima T
Ejiri H, RCNP Experimental approaches to DBD NMEs
Fukuyama T, RCNP Comments: Neutrino mass hierarchy
and right-handed weak currents in DBD
Iwata Y, Kansai DBD NMEs by interacting shell model
Zuber K, Dresden Neutrino nuclear interactions and
forbidden single-beta decays for DBDs

Part II Nov. 27, 3 -5 pm JST. Session chair Tamii A
Terasaki J, CVUT Reliability of QRPA approach to DBD NME
Zinatulina D, JINR Muon capture reactions at PSI for DBD
neutrino nuclear responses
Hashim I, UTM OMC for DBD NMEs and astro-neutrinos
- The RCNP/UTM/JINR joint project-