

Neutrino Interactions for Current and Future Experiments

Monday, 27 October 2025

Session - 4th Building 1F Seminar Hall (13:30 - 15:00)

| time | [id] title | presenter |
|-------|--|------------------|
| 13:30 | [1] Opening Address | HASHIMOTO, Shoji |
| 13:40 | [2] Cross-Section Measurements from Neutrino-Nucleus Experiments | MCFARLAND, Kevin |
| 14:20 | [3] Modeling Neutrino-Nucleus Interaction at T2K & SK: Status and Challenges | ABE, Seisho |

Session - 4th Building 1F Seminar Hall (15:30 - 17:30)

| time | [id] title | presenter |
|-------|--|------------------|
| 15:30 | [4] Lattice QCD for Neutrino Oscillation Experiments | MEYER, Aaron |
| 16:10 | [5] Electroweak responses of light nuclei and toward describing neutrino-nucleus reactions | HORIUCHI, Wataru |
| 16:50 | [6] Density functional approach for electro-weak nuclear responses | YOSHIDA, Kenichi |

Tuesday, 28 October 2025

Session - 4th Building 1F Seminar Hall (10:00 - 11:20)

| time | [id] title | presenter |
|-------|---|----------------|
| 10:00 | [7] Nucleon axial structure on large-volume lattice QCD at the physical point | TSUJI, Ryutaro |
| 10:40 | [8] Electroweak dynamics in light nuclei and lepton-nucleus scattering | PASTORE, Saori |

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|-------|--|---------------------|
| 13:00 | [9] Electron for Neutrinos | BETANCOURT, Minerba |
| 13:40 | [10] Bound muons as probes of new physics | UESAKA, Yuichi |
| 14:20 | [11] Compton amplitudes and nucleon structure from lattice QCD | ZANOTTI, James |

Session - 4th Building 1F Seminar Hall (15:30 - 17:30)

| time | [id] title | presenter |
|-------|--|-----------------|
| 15:30 | [12] Probing very-low-energy p/pi from neutrino-water interaction using nuclear emulsion | HAN, Seunggho |
| 16:10 | [13] Machine Learning Neutrino-Nucleus Cross Sections | WAGMAN, Michael |
| 16:50 | [14] Toward Reliable Neutrino Reaction Rates for Core-Collapse Supernova Simulations | TOGASHI, Hajime |

Session (19:00 - 21:00)

Wednesday, 29 October 2025

Session - 4th Building 1F Seminar Hall (10:00 - 11:20)

| time | [id] title | presenter |
|-------|---|--------------------|
| 10:00 | [15] Radiative corrections to neutrino-nucleon/nucleus cross section | TOMALAK, Oleksandr |
| 10:40 | [16] The upgraded T2K near detector, its expected measurements, and future near detectors | BERNS, Lukas |