

## PUBLICATIONS

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- [1] M. Sakai (corresponding author) *et al.*, “Directional Neutrino Detection and Topological Event Reconstruction Methods for GeV Scale Neutrinos in KamLAND,” *Draft currently in preparation*, 2019 (tentative).
- [2] C. Alduino *et al.*, “Study of Rare Nuclear Processes with CUORE,” *Submitted to: Int. J. Mod. Phys. A*, 2018. <https://arxiv.org/abs/1801.05403>.
- [3] C. Alduino *et al.*, “First Results from CUORE: A Search for Lepton Number Violation via  $0\nu\beta\beta$  Decay of  $^{130}\text{Te}$ ,” *Phys. Rev. Lett.*, vol. 120, no. 13, p. 132501, 2018. <https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.120.132501>.
- [4] C. Alduino *et al.*, “Search for Neutrinoless  $\beta^+EC$  Decay of  $^{120}\text{Te}$  with CUORE-0,” 2017. <https://journals.aps.org/prc/abstract/10.1103/PhysRevC.97.055502>.
- [5] C. Alduino *et al.*, “Low Energy Analysis Techniques for CUORE,” *Eur. Phys. J.*, vol. C77, no. 12, p. 857, 2017. <https://link.springer.com/article/10.1140/epjc/s10052-017-5433-1>.
- [6] C. Alduino *et al.*, “CUORE sensitivity to  $0\nu\beta\beta$  decay,” *Eur. Phys. J.*, vol. C77, no. 8, p. 532, 2017. <https://link.springer.com/article/10.1140/epjc/s10052-017-5098-9>.
- [7] C. Alduino *et al.*, “The projected background for the CUORE experiment,” *Eur. Phys. J.*, vol. C77, no. 8, p. 543, 2017. <https://link.springer.com/article/10.1140/epjc/s10052-017-5080-6>.
- [8] V. A. Li *et al.*, “Invited Article: miniTimeCube,” *Rev. Sci. Instrum.*, vol. 87, no. 2, p. 021301, 2016. <https://aip.scitation.org/doi/abs/10.1063/1.4942243>.
- [9] A. Gando *et al.*, “Search for electron antineutrinos associated with gravitational wave events GW150914 and GW151226 using KamLAND,” *Astrophys. J.*, vol. 829, no. 2, p. L34, 2016. <https://aip.scitation.org/doi/abs/10.1063/1.4942243>.
- [10] K. Asakura *et al.*, “Search for the proton decay mode  $p \rightarrow \bar{\nu}K^+$  with KamLAND,” *Phys. Rev.*, vol. D92, no. 5, p. 052006, 2015. <https://journals.aps.org/prd/abstract/10.1103/PhysRevD.92.052006>.
- [11] K. Asakura *et al.*, “KamLAND Sensitivity to Neutrinos from Pre-Supernova Stars,” *Astrophys. J.*, vol. 818, no. 1, p. 91, 2016. <https://iopscience.iop.org/article/10.3847/0004-637X/818/1/91>.
- [12] C. Lane *et al.*, “A new type of Neutrino Detector for Sterile Neutrino Search at Nuclear Reactors and Nuclear Nonproliferation Applications,” 2015. <https://arxiv.org/abs/1501.06935>.
- [13] K. Asakura *et al.*, “Study of electron anti-neutrinos associated with gamma-ray bursts using KamLAND,” *Astrophys. J.*, vol. 806, no. 1, p. 87, 2015. <https://iopscience.iop.org/article/10.1088/0004-637X/806/1/87/meta>.
- [14] T. I. Banks *et al.*, “A compact ultra-clean system for deploying radioactive sources inside the KamLAND detector,” *Nucl. Instrum. Meth.*, vol. A769, pp. 88–96, 2015. <https://www.sciencedirect.com/science/article/pii/S0168900214011000>.
- [15] A. Gando *et al.*, “ $^7\text{Be}$  Solar Neutrino Measurement with KamLAND,” *Phys. Rev.*, vol. C92, no. 5, p. 055808, 2015. <https://journals.aps.org/prc/abstract/10.1103/PhysRevC.92.055808>.
- [16] S. Abe *et al.*, “Measurement of the 8B Solar Neutrino Flux with the KamLAND Liquid Scintillator Detector,” *Phys. Rev.*, vol. C84, p. 035804, 2011. <https://arxiv.org/abs/1106.0861>.
- [17] J. Kumar, J. G. Learned, M. Sakai, and S. Smith, “Dark Matter Detection With Electron Neutrinos in Liquid Scintillation Detectors,” *Phys. Rev.*, vol. D84, p. 036007, 2011. <https://journals.aps.org/prd/abstract/10.1103/PhysRevD.84.036007>.