

カムランドにおける次期エレクトロニクス The next-generation KamLAND electronics

林田 眞悟^{1*}
HAYASHIDA, Shingo^{1*}

¹ 東北大学ニュートリノ科学研究センター

¹ Research Center for Neutrino Science, Tohoku University

KamLAND was constructed to detect the low energy anti-neutrinos. And then, KamLAND detected reactor neutrinos and solved solar neutrino problem on 2003. And furthermore, KamLAND detected geo-neutrinos for the first time in the world on 2005. Currently, KamLAND has already been beginning to search several new physics. However, searching new physics in the detector of 10 years ago is difficult. So, it is necessary to update the detector. We are planning to update the KamLAND. As this updating, KamLAND electronics will be renewed using the latest technologies. The next-generation KamLAND electronics will certainly contribute to geoscience.

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