Measurements of Reactor Neutrinos at Long Baselines: KamLAND and Beyond

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KamLAND is a one-kiloton liquid scintillator based neutrino detector that is located at an average distance of 180 km from Japanese commercial nuclear powers reactors. I will describe the KamLAND experiment, the results of its reactor neutrino measurements, and its impact in relation to solar, short baseline reactor, atmospheric, and long baseline accelerator neutrino data. I will conclude by discussing some opportunities and challenges for the next generation long baseline reactor neutrino experiments.