Title of Project	New Development of Neutrino Physics by Reactor Neutrinos
Principal Investigator	Fumihiko Suekane, Tohoku University, Graduate School of Science, Associate
Name	Professor
Abstract of	The neutrino is an elementary particle which is not well understood yet.
Research Project	Knowing the properties of neutrino is important to deepen our understanding of
	the nature. There are 3 types of neutrinos. The type changes spontaneously
	during traveling due to neutrino oscillation. There are 3 kinds of neutrino
	oscillations. Two of them have already been measured. However, the 3rd
Number of	oscillation has not been detected yet.
Researchers : 5	The purpose of this experiment is to discover the last neutrino oscillation using
	reactor neutrinos. The experiment will be performed at Chooz nuclear power
	station in France. By comparing the data from 2 neutrino detectors which locate
	near and far from the reactors, the amplitude of the 3rd neutrino mixing will be
Term of	precisely measured. This experiment completes the determination of amplitudes
Project: 2008-2012	of all three neutrino oscillations and the neutrino physics will go into a new step.