

## **FOUR TYPES OF NEUTRINO EVENTS PRODUCED IN THE LARGE WATER TANK DETECTOR AND INTERRELATIONS AMONG THEM**

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Phenomenologically speaking, neutrino events recorded in the large water tank detector something like Superkamiokande are classified as four types of neutrino events, namely, [1] fully contained event, [2] partially contained events, [3] stopped event, and [4] passing through event, related to the situation whether the event exists inside of the detector or not.

Starting from neutrino energy spectrum at the opposite side of the Earth whose energies correspond to energies of Superkamiokande concerned, we obtain corresponding [event energy spectrum] to four types of neutrino physical event and examine interrelation among different four types of neutrino event for several MeV to several GeV.