

**SIMULATION CALCULATIONS AROUND THE DISCRIMINATION OF
ELECTRON NEUTRINOS FROM MUON NEUTRINOS IN THE
SUPERKAMIOKANDE**

E.Konishi(1),V.Galkin(2) and A.Misaki(3)

(1)Dept. of Electronic and Information System Engineering,Hirosaki
University,(2)Dept. of Physics,Moscow State University,(3)Advanced Research
Institute for Science and Engineering,Waseda University

Superkamiokande people asserts that electron neutrinos could discriminate almost from muon neutrinos without no ambiguity in the analysis for neutino oscillation. We have made simulation calculations on the Cherenkov lights from cascade showers originate in electron neutrinos and from muon neutrinos for the virtual detector with the same size as Superkamioknade, and examined the discrimination between electron neutrinos and muon neutrinos.