

Solar neutrinos and supernova burst neutrinos at Hyper-Kamiokande

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In this presentation, the sensitivity of solar neutrinos is discussed. In the case of shallow place, the most serious background will be spallation products induced from cosmic ray muons. How much reduce background by improving an analysis method will be estimated. Using this result, the requirement for the solar neutrino physics, such as the constraint to Δm^2_{21} , is discussed. The expectation event rate from the SuperNova burst is also discussed.

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