

3rd Open Meeting for the Hyper-Kamiokande Project

Contribution ID: 22

Type: **not specified**

R&D of light collection system using acrylic lens

Saturday 22 June 2013 10:05 (15 minutes)

In the current baseline design, the photo-coverage of the HK inner tank is 20%. For the low energy neutrino measurement (for example, a precise measurement of the solar neutrino spectrum or a measurement of the day-night asymmetry of the solar neutrino flux), higher photo-coverage is desirable. This R&D is to enlarge the effective photo-coverage using light collection system. I will show the current status of test measurements for a commercially available 30cm*30cm acrylic Fresnel lens.

Primary author: Dr IKEDA, Motoyasu (Kyoto University)

Presenter: Dr IKEDA, Motoyasu (Kyoto University)

Session Classification: Photo-detectors