

Hybrid Photo-Detectors for the Hyper-Kamiokande Project

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Hyper-Kamiokande is a huge Cherenkov neutrino detector with water of 1 million metric tons planned for the near future in Japan. Several Photo-Detector (PD) candidates are being newly developed. At first, an 8-inch Hybrid-PD with an avalanche diode will be tested in a 200-ton water Cherenkov detector loaded with Gadolinium. We report the plan and status, as well as the basic performance measured before installing the Hybrid-PD into the 200-ton tank.

Primary author: NISHIMURA, Yasuhiro (University of Tokyo)

Presenter: NISHIMURA, Yasuhiro (University of Tokyo)

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