

## Open Meeting for the Hyper-Kamiokande Project

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# Hybrid Photo-Detector study at Kamioka

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Hybrid Photo-Detector (HPD) with an avalanche diode is one of the photo-sensor candidates for Hyper-K. It is considered to have a better performance in lower price than PMT in Super-K. We started a study of an 8-inch HPD developed by Hamamatsu Photonics and that of a 20-inch diameter will be provided within a few years. In Kamioka mine we have a plan to test the HPD in a 200-ton water Cherenkov detector loaded with Gadolinium. Before the installation into the tank, we calibrate the 8-inch HPD and measure its performance in this year. The plan and details of the project, as well as the property of HPD will be presented.

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