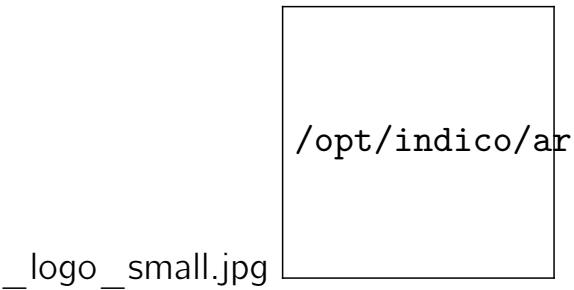

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The Hyper-Kamiokande detector: R&D studies of a new generation of Photosensors

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Content

Hyper-Kamiokande is a Large water Cherenkov detectors, such as the successful Super-Kamiokande, and the forthcoming Hyper-Kamiokande requires large aperture, high sensitivity photosensors able to detect the weak Cherenkov light generated by neutrino interactions or proton decay. As a consequence, the capability of a water Cherenkov detector largely relies on the performance of its photosensors. Currently the photosensors used in Super-Kamiokande, equipped with a 50 cm diameter photocathode, are the world's largest photomultiplier tubes. In this communication the current status of development of Hyper-K detector will be reviewed.

Summary

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