

Abstract Submitted  
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**Study of Dark Noise in Super-K Outer Detector** ASHLEY JONES, Duke University, SUPER-KAMIOKANDE COLLABORATION — Super-Kamiokande is a large water Cherenkov neutrino detector in Japan. New algorithms were written to determine the dark noise rates in the photomultiplier tubes of Super-K's outer detector. They were determined over a period of several years in order to track variations. The sensitivity of neutrino selection routines to the dark noise rates was monitored to improve simulations for the detector.

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