

# Testing and simulation of Multi-Pixel Photon Counter devices

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The Multi-Pixel Photon Counter (MPPC) is an APD array operated in Geiger mode, marketed by Hamamatsu. These devices achieve comparable performance to PMTs, with the advantages of compactness and insensitivity to magnetic fields. They have great potential in HEP applications, and are being used in the ND280 near detector of the T2K long-baseline neutrino experiment. Results from the testing and simulation of the MPPCs used in ND280 will be presented.

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