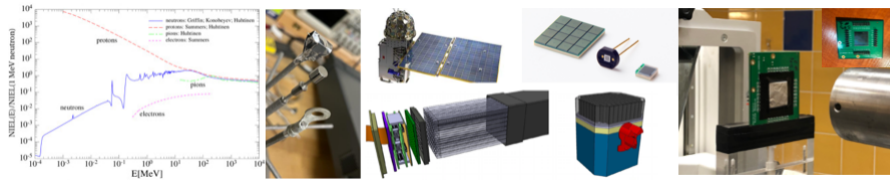


SiPM Radiation: Quantifying Light for Nuclear, Space and Medical Instruments under Harsh Radiation Conditions



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Proton irradiation on modified Hamamatsu MPPCs (Si-PMs)

Tuesday 26 April 2022 09:25 (25 minutes)

We studied 200 MeV proton irradiation effects on Hamamatsu MPPCs (Si-PMs) in the Wakasa-wan Energy Research Center in Japan. Hamamatsu K.K. made test versions of MPPCs (S14420-3050MOD, S14160-3050MOD) and we studied these performances. As a result, dark current and lower energy threshold of modified MPPCs were comparable to the old one, and thus there were no significant improvements observed in our experiments.

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