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## Application of p-i-n photodiodes to charged particle fluence measurements beyond 10^15 1-MeV-neutron-equivalent/cm^2

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Methods are developed for the application of forward biased p-i-n photodiodes to measurements of charged particle fluence beyond 10^15 1-MeV-neutron-equivalent/cm^2. An order of magnitude extension of the regime where forward voltage can be used to infer fluence is achieved for OSRAM BPW34F devices.

**Primary authors:** GRUMMER, Aidan (University of New Mexico (US)); SEIDEL, Sally (University of New Mexico (US)); HOEFERKAMP, Martin (University of New Mexico (US)); RAJEN, Ivan Vikram (University of New Mexico (US))

Presenter: GRUMMER, Aidan (University of New Mexico (US))

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