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Status of pnCCDs

pnCCDs are CCD devices which use pn-diodes instead of MOS-registers to generate the electric field that drives charges along the channel.
Therefore they are radiation tolerant and can transfer at high speed.
We show applications for X-ray imaging, either as integrating devices or as spectroscopic single event counters with the possibility of position interpolation.
New developments for faster transfer and large signal storage capability are discussed and simulation results for a combination of CCD transfer with DEPFET readout nodes are shown.

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