

Supplement:

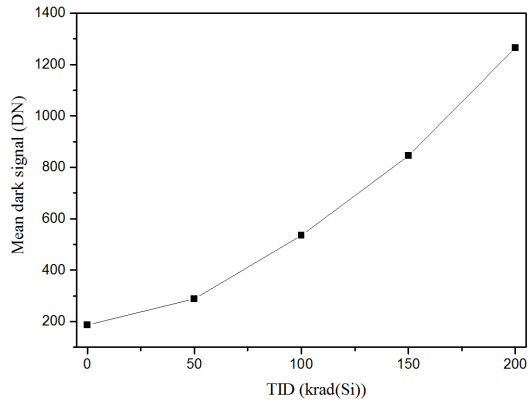


Fig. 1 The mean dark signals of the PPD CMOS image sensor versus the TID.

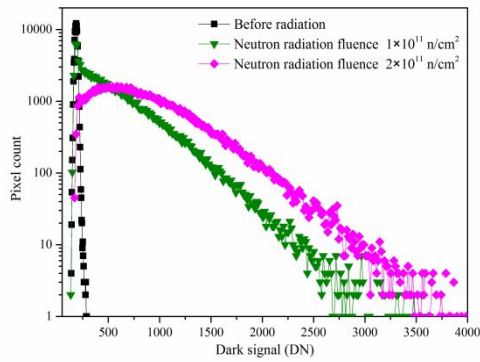


Fig. 4 The dark signal distributions induced by neutron radiation.

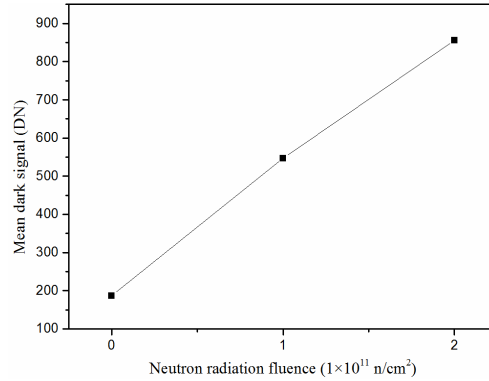


Fig. 5 The mean dark signals of the PPD CMOS image sensor reactor versus neutron radiation fluence.

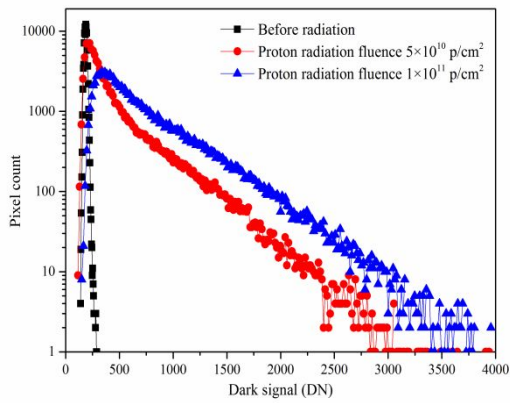


Fig. 6 The dark signal distributions induced by proton radiation.

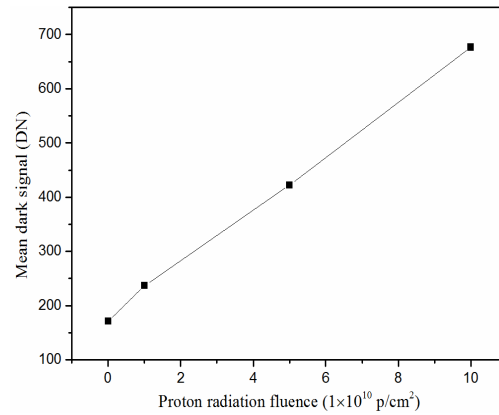


Fig. 7 The mean dark signals of the PPD CMOS image sensor versus proton radiation fluence.