

Can Li passivate radiation damage in Si?

Tuesday 3 June 2008 09:20 (20 minutes)

Li has been used to passivate acceptors in Si to allow large volume radiation detectors to be fabricated. This study looks at whether Li drifting can be used to passivate radiation induced acceptors. Results of C-V measurements used to characterise the effect of drifting Li in Si(Li) detectors that have been irradiated with neutrons are presented.

Author: BUTTAR, Craig (Department of Physics and Astronomy)

Co-authors: Dr PARKES, Chris (Department of Physics and Astronomy); Dr GRANT, James (Department of Physics and Astronomy); Dr BROZEL, Michael (Department of Physics and Astronomy)

Presenter: Dr PARKES, Chris (Department of Physics and Astronomy)

Session Classification: Pad Detector Characterization II