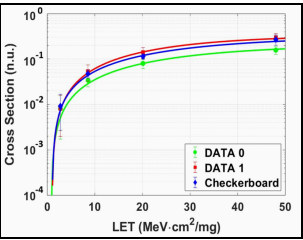


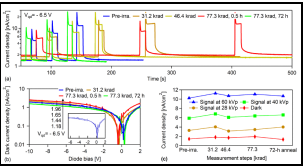
Features in This Issue



Data Pattern Dependence of SEU Cross Sections of 12-nm FinFET Flip-Flops

By Jiesi Xing; Christopher J. Elash; Dylan Lambert; Harris Lu; Shi-Jie Wen; Rita Fung

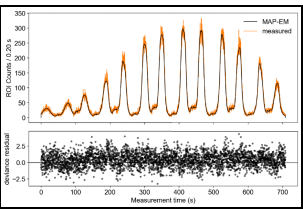
Read More



Total Ionizing Dose Effects on a PbS-CQD-Based CMOS Direct-Conversion X-Ray Image Sensor

By Chun-Min Zhang; Alexandre Neyret; Vincent Goossens; Riccardo Quaglia; Vincent Goiffon

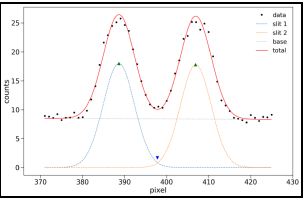
Read More



Surrogate Distributed Radiological Sources—Part III: Quantitative Distributed Source Reconstructions

By Jayson R. Vavrek; Jaewon Lee; Marco Salathe; Mark S. Bandstra; Daniel Hellfeld; Brian J. Quiter

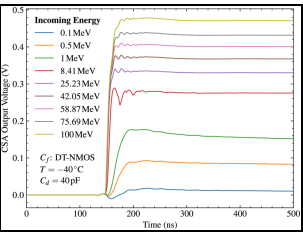
Read More



Comparing Thermal Neutron Scintillators for Use With SiPM-Readout Detectors

By A. Moustafa; E. Hoegberg; E. Lukosi; M. Loyd

Read More



A 65-nm CMOS Readout Channel Based on a Charge Amplifier With DT MOS Feedback for Dynamic Signal Compression

By DLuca Ghisloti; Paolo Lazzaroni; Massimo Manghisoni; Valerio Re; Elisa Riceputi; Lodovico Ratti

Read More

IEEE TRANSACTIONS ON
NUCLEAR
SCIENCE

A PUBLICATION OF THE IEEE NUCLEAR AND PLASMA SCIENCES SOCIETY

IEEE
NPSS
NUCLEAR & PLASMA
SCIENCES SOCIETY

JULY 2026 VOLUME 73 NUMBER 7 IETNAE (ISSN 0018-9499)

DATA PATTERN DEPENDENCE OF SEU CROSS SECTIONS OF 12-NM FINFET FLIP-FLOPS
J. Xing, C. J. Elash, D. Lambert, H. Lu, S.-J. Wen, and R. Fung 2366

TOTAL IONIZING DOSE EFFECTS ON A PbS-CQD-BASED CMOS DIRECT-CONVERSION X-RAY IMAGE SENSOR
C.-M. Zhang, A. Neyret, V. Goossens, R. Quaglia, and V. Goiffon 2374

SURROGATE DISTRIBUTED RADIOLICAL SOURCES—PART III: QUANTITATIVE DISTRIBUTED SOURCE RECONSTRUCTIONS
J. R. Vavrek, J. Lee, M. Salathe, M. S. Bandstra, D. Hellfeld, and B. J. Quiter 2382

COMPARING THERMAL NEUTRON SCINTILLATORS FOR USE WITH SiPM-READOUT DETECTORS
A. Moustafa, E. Hoegberg, E. Lukosi, and M. Loyd 2390

A 65-NM CMOS READOUT CHANNEL BASED ON A CHARGE AMPLIFIER WITH DT MOS FEEDBACK FOR DYNAMIC SIGNAL COMPRESSION
D. Ghisloti, P. Lazzaroni, M. Manghisoni, V. Re, E. Riceputi, and L. Ratti 2398

IEEE Transactions on Nuclear Science

A publication of the IEEE Nuclear and Plasma Sciences Society.

VIEW THE TABLE OF CONTENTS

TNS has committed to become a Transformative Journal under Plan S, meaning that authors will remain in **full compliance with Coalition S funder requirements** if they publish their research articles in TNS.

T-NS Home

T-NS in IEEE Xplore

Early Access

Manuscript Submission

View the full series on IEEE Xplore.

