

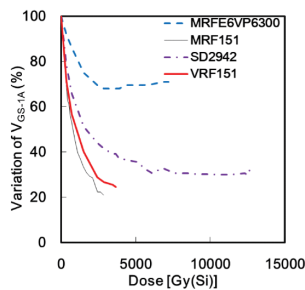
## Features in This Issue

	Modeled	Measured Quantities
Ce-60 Calibration (NIST-traceable $K_{ce60}$ )	$(\frac{dN}{dt})_{ce60}$ $S_{ce60}$ $k_{air+ce60}$	For air-communicating cavity: ambient Pressure, Temperature and Ionization Current yield cavity Volume and Air Mass For argon-filled cavity: ionization Current yields argon Mass Bias voltage dependency characterized Recombination Time dependency characterized Stability
UWNR Experiment	$\Phi_n$ $\Phi_t$ $k_f$ $(\frac{dN}{dt})_{UWNR}$ $K_{ce60}$ $K_{ce60}$ $f_{\Phi_n}$ $f_{\Phi_t}$	Reactor Power, purge gas Temperature Ionization Current $K_{ce60}$ $f_{\Phi_n}$ $f_{\Phi_t}$

### Ionization Chambers to Determine Neutron and Gamma-Ray Kerma in a Research Reactor

by Jeff Radtke, Paul Deluca, Dan Anderson, Paul Wilson, Laura Bartol, Andrew Maile, Robert Agasie, Timothy Trumbull, Edwin Grant, Paul Brooks, Mark Anderson, and Wesley Culberson

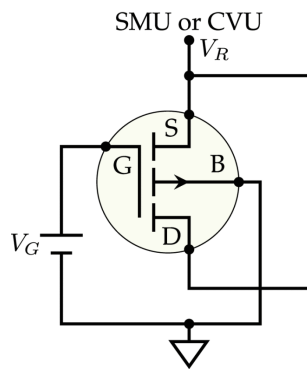
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### Development of Radiation-Hard Solid-State Amplifiers for Kilogray Environments Using COTS Components

by Chihiro Ohmori, and Mauro Paoluzzi

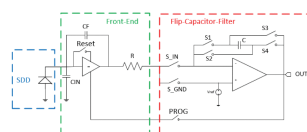
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### Gamma Dose Rate Measurement Using RadFET

by Manjeet Kulhar, Kashyap Dhoot, and Arun Pandya

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### Charge Sensitive Amplifier With Offset-Compensated V-to-I Converter for the Mini-SDD-Based DSSC Detector

by A. Grande, C. Fiorini, G. Utica, F. Erdinger, P. Fischer, and M. Porro

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