

## Real Time Pulse Shape Discrimination And Beta Gamma

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 nanoPSD - labZY  
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 Real-Time Pulse-Shape Discrimination and Beta-Gamma Coincidence Detection in Field-Programmable Gate Array . A. T. Farsoni, B. Alemayehu, A. Alhawsawi, E. M. Becker. Department of Nuclear Engineering and Radiation Health Physics, Oregon State University, Corvallis, OR 97331, USA .  
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 Abstract By Reynold Suarez M.S. Washington State University December 2006  
 Chair: Scott Hudson  
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A 16-Channel Real-Time Digital Processor for Pulse-Shape Discrimination in Multiplicity Assay Abstract: In recent years, real-time neutron/ $\gamma$ -ray pulse-shape discrimination has become feasible for use with scintillator-based detectors that respond extremely quickly, on the order of 25 ns in terms of pulse width, and their application to a variety of nuclear material assays has been reported.

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