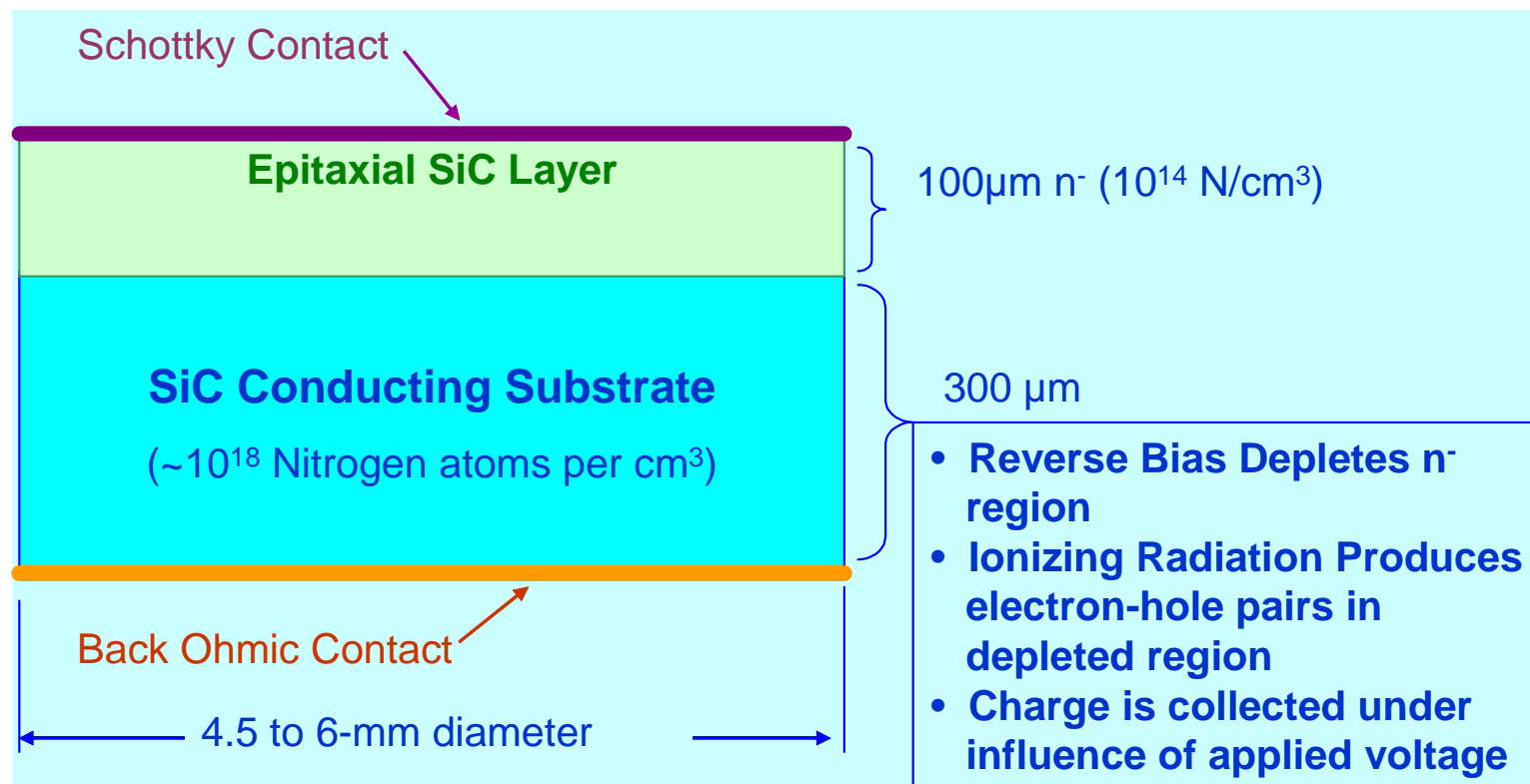


# **Fast Neutron Detection With Silicon Carbide Semi-insulating Detectors**

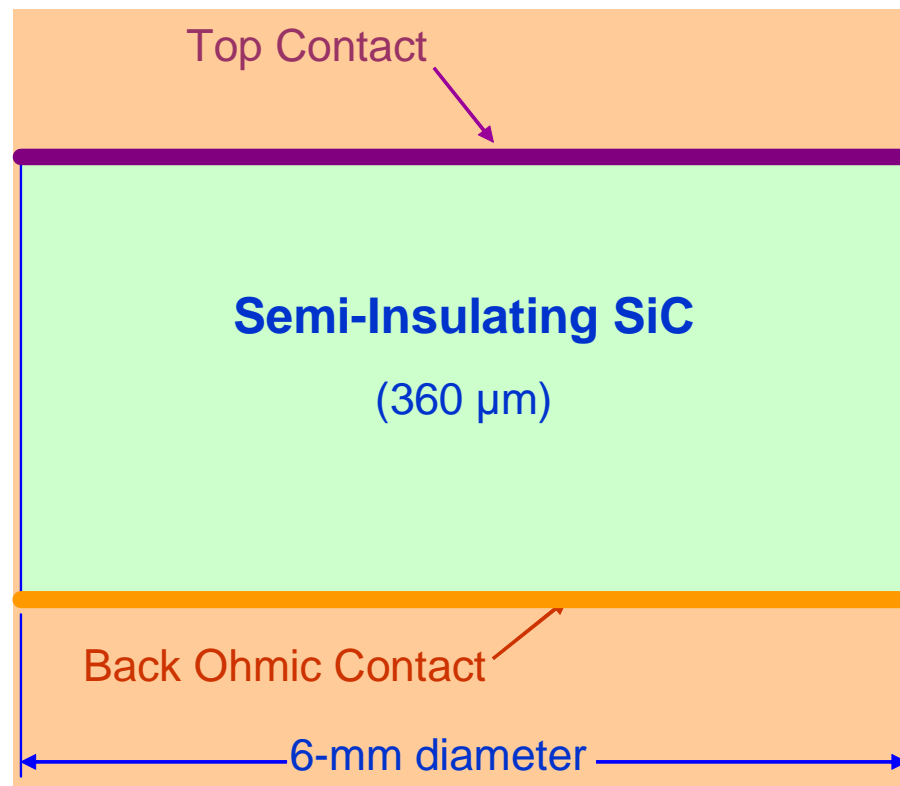
Robert W. Flammang  
Westinghouse Electric  
Company

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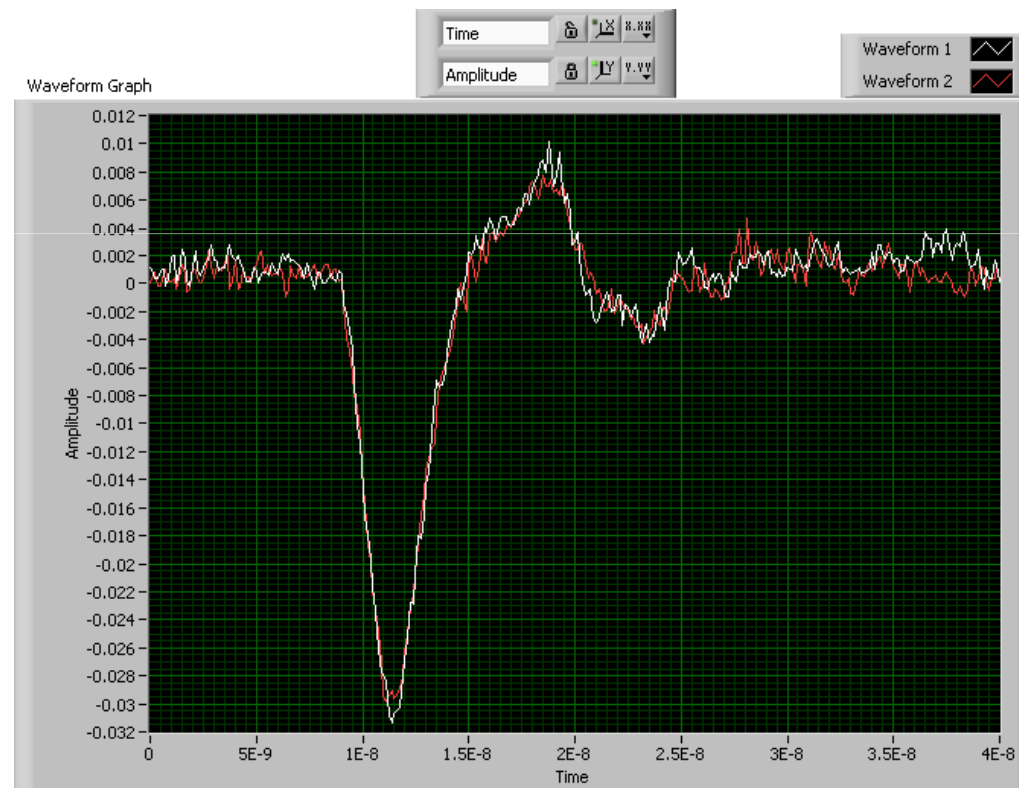
# Semi-Conducting Diode



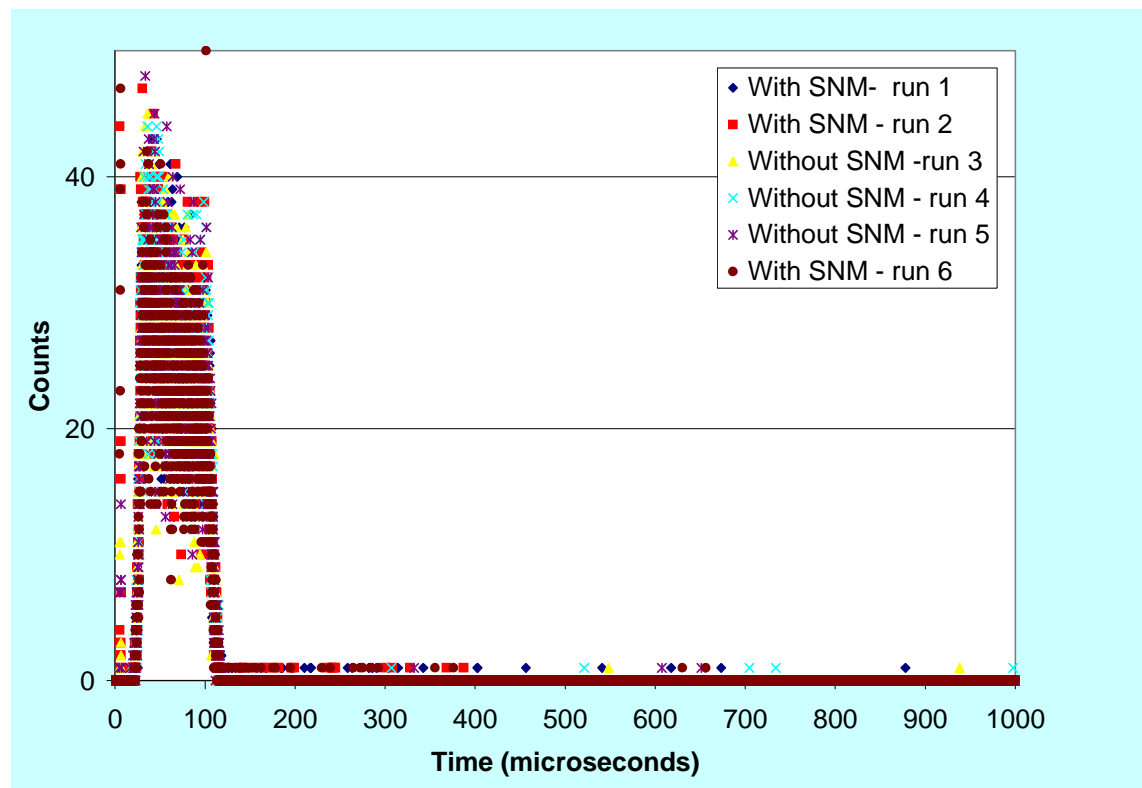
# Semi-Insulating Diode



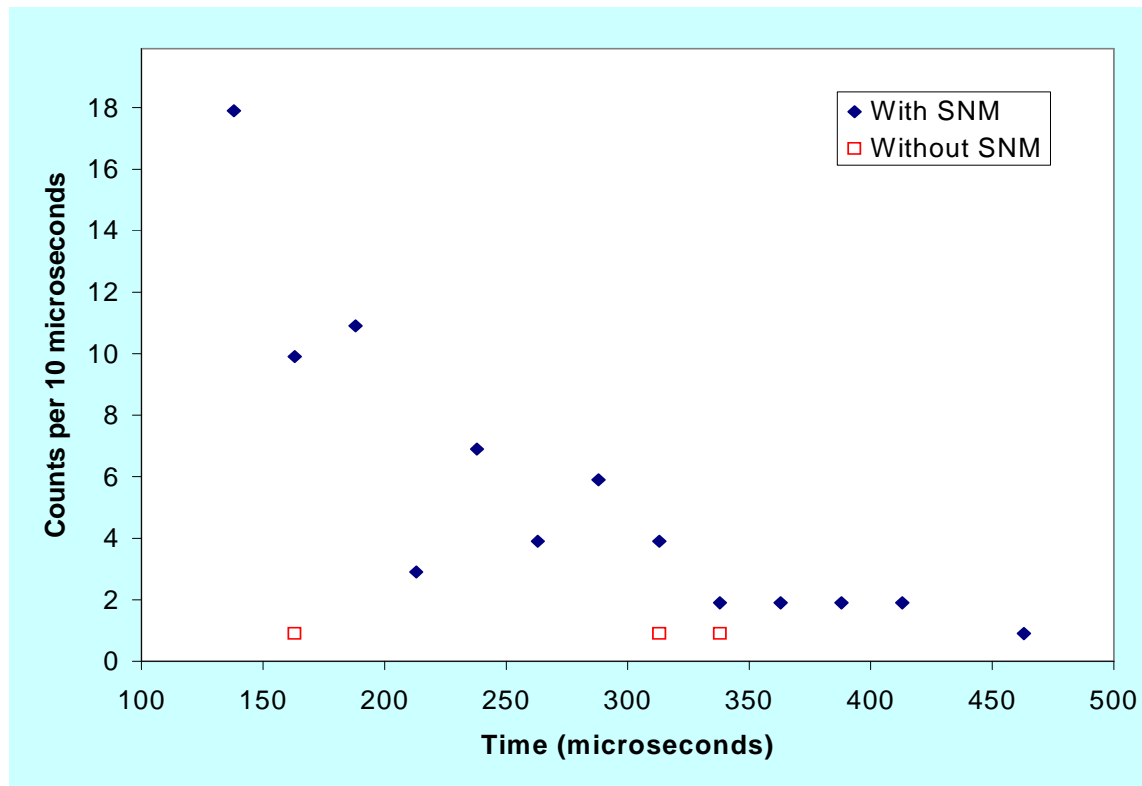
# Fast Electronic Pulses



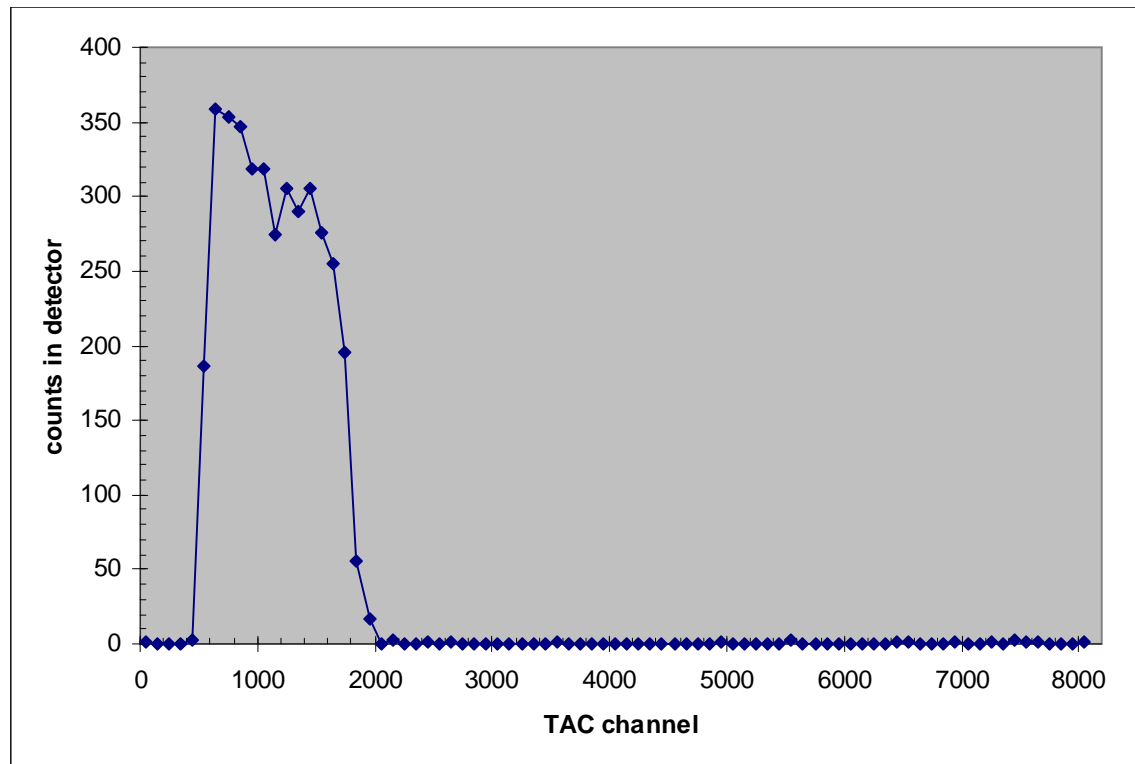
# Time Spectrum of a neutron generator



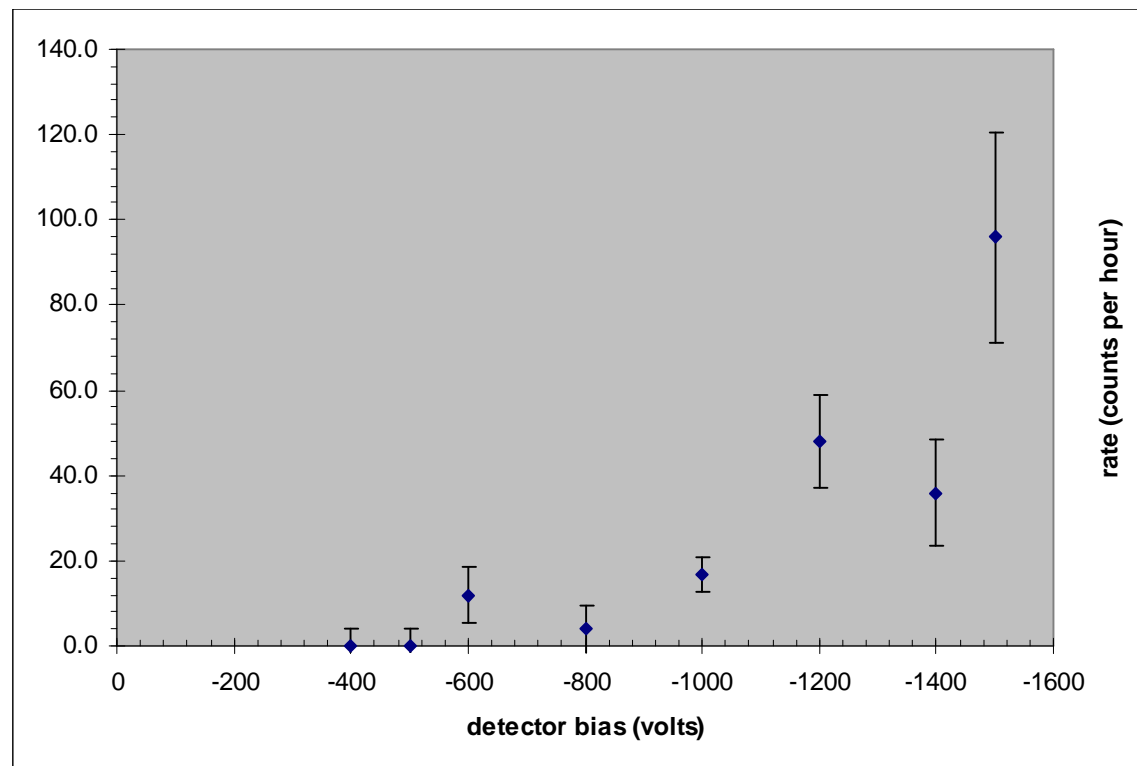
# Fission Neutrons from U-235



# Low Background in semi-insulator



# Noise counts vs. detector bias





# Noise and 2.5 MeV neutrons

