

N10

# Schottky and pn Junction Cryogenic Radiation Detectors Made of p- $\text{InSb}$ Compound Semiconductor



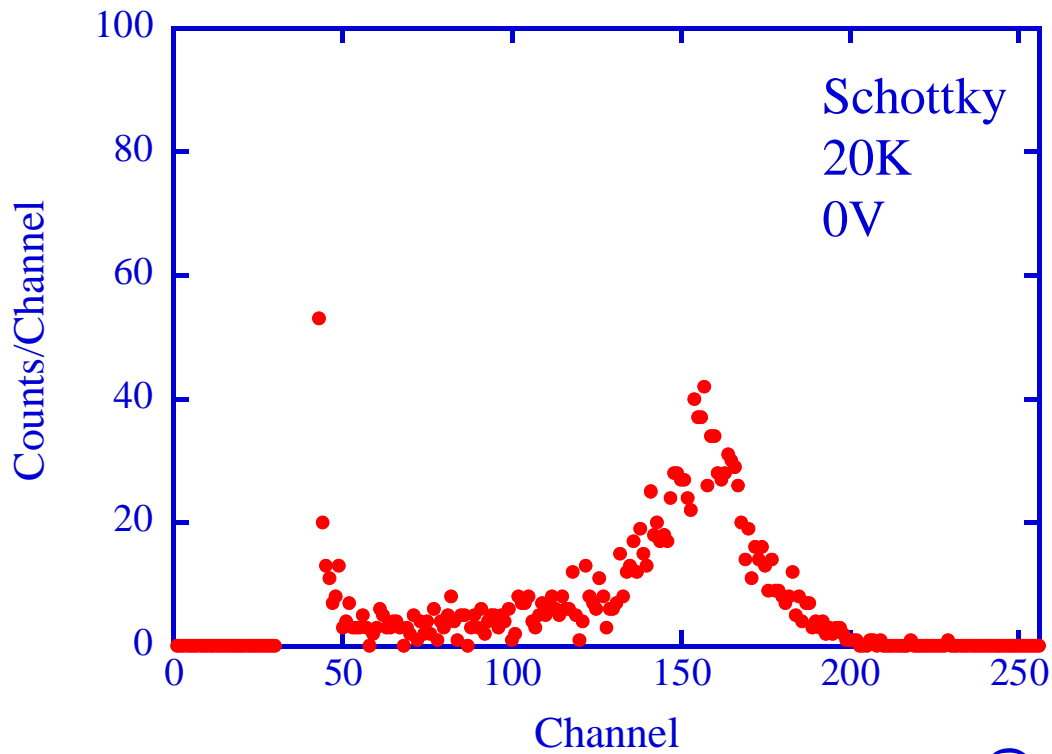
What is the expected energy resolution?

$60\text{eV}@6\text{keV}$

What is good with  $\text{InSb}$ ?

Moderate operating conditions in Temp., Volume.

High absorption efficiency of Photons.  $10\times\text{Ge}$ .



- $^{241}\text{Am}$   $\alpha$  Particle Energy Spectrum

- Rise Time

