

Gamma-ray detector (Technion)

code: COM-0619

Gamma-ray detectors have wide applications in fields such as nuclear medicine, environmental monitoring and material testing. By analyzing emitted rays using a gamma-ray spectrometer, diagnostically useful information can be obtained. Some of the methods used for the detection of gamma-rays include Geiger counters, scintillation counters, neutron detectors, semiconductor detectors and variants including CCDs. Our invention improves the fabrication process of detectors using an acoustic wave treatment. This allows for improvements such as increased sensitivity and differentiation between energy levels of the detected rays.

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