

Download Nuclear Pulse Spectrometry

XIA LLC Manufacturers advanced x-ray and gamma-ray detector electronics and related instruments with applications in research and industry. Nuclear and X-ray detector electronics. Fourier-transform spectroscopy is a measurement technique whereby spectra are collected based on measurements of the coherence of a radiative source, using time-domain or space-domain measurements of the electromagnetic radiation or other type of radiation. Nuclear magnetic resonance (NMR) is a physical phenomenon in which nuclei in a strong static magnetic field are perturbed by a weak oscillating magnetic field (in the near field and therefore not involving electromagnetic waves) and respond by producing an electromagnetic signal with a frequency characteristic of the magnetic field at the nucleus. AMETEK ORTEC is the industry leader in the design and manufacture of ionizing radiation detectors, nuclear instrumentation, analysis software, and integrated systems. ORTEC's technologies, superior products, and services are instrumental in the analysis of radioisotopic identification and measurement.