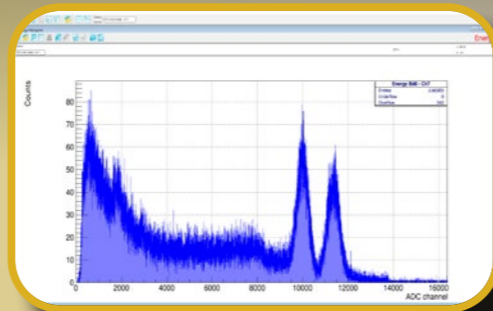


CoMPASS

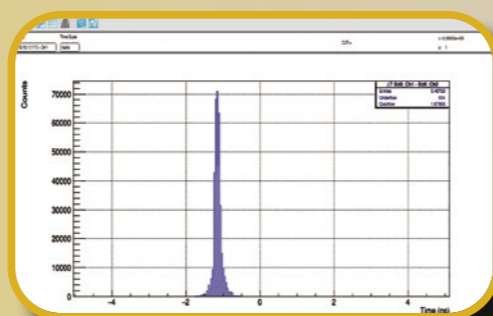
A Multi-Parametric Read-out Software for CAEN Digital Pulse Processing



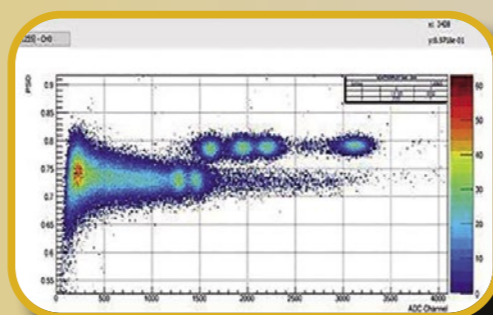
- Multi-Parametric DAQ including PHA, PSD, QDC, and Timing Analysis
- Synchronization of multiple Digitizers even from different families
- Singles, (Anti)Coincidence, Majority, Veto/Gate acquisition modes
- Simultaneous plot of waveforms, energy, time, and PSD spectra
- Analysis: count rates, peak fit, energy calibration, etc.
- Digital Constant Fraction Discrimination for fine time stamp interpolation (pico seconds intrinsic resolution)
- Selectable windows in energy and PSD
- Output files with spectra, waveforms, lists and RAW data for offline post-processing
- ROOT format data saving



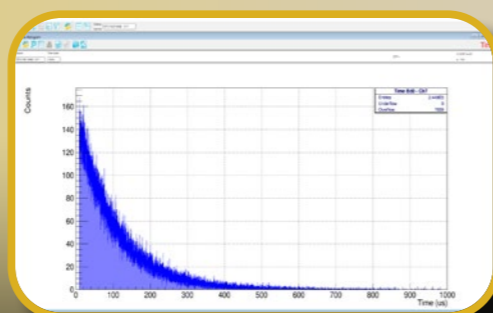
Energy



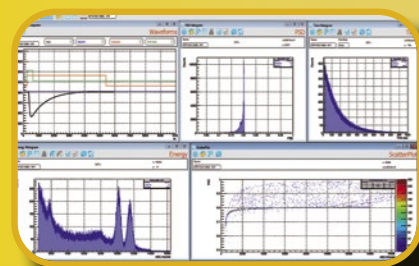
Start-Stop



PSD Scatterplot



Time Intervals



Global Overview

CHECK THIS OUT!



V1782 (2-unit wide VME 6U module)

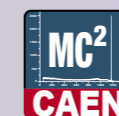
32k Octal Digital Multi-Channel Analyzer

CAEN is very proud to introduce its new Octal 32k Digital MCA. The V1782 is ideally designed for applications requiring high resolution detectors with multiple input channels. It is the perfect solution for your segmented HPGe, Clover, and Silicon Strip detector arrays!

High density channel solution for digital spectroscopy

- Eight independent 32k digital MCA in VME form factor
- Supports wide range of applications: Compton-suppressed HPGe, Low Background Spectroscopy with active shields, Multi-detector Systems, Whole-Body Counters, Clover, Segmented HPGe and SSD Readout
- Fully compatible with many other types of detectors, such as scintillators (NaI, LaBr₃, CsI, etc.), CZT, PIPS and more
- 4+4 input ranges via jumper/software selectable coarse gain (x0.2, x0.4, x0.8, x1.6 and x1, x2, x4, x8 with x1 = 1 Vpp)
- TRP and RC preamps supported
- Acquisition modes: PHA, time stamped list, waveform, add-back, coincidence/anti-coincidence, gate/veto
- Supports multi-board synchronization for quick and easy development of large readout systems via front panel logic I/Os
- FWHM*: 0.75 - 0.85 keV @ 122 keV; 1.72 - 1.82 keV @ 1332 keV
- Fully controlled by CAEN MC²Analyzer and CoMPASS software

* Typical values depending on HPGe detector and source count rate.



NEW



CHECK THIS OUT!



Digital Spectroscopy Solutions



HEXAGON
Dual Independent 32k MCA



780 MCA Family
Dual Digital



781 MCA Family
Dual / Quad Digital



DT5770
Compact Digital MCA



gamma-stream
Active, stand-alone, fully featured MCA tube base for scintillators



i-Spector
Digital Silicon Photomultiplier Tube with Digital MCA

FREE DOWNLOAD



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