Contribution ID: **3** Type: **Vortrag in der SEI-Tagung - nicht workshop**

A Handheld Pulser with Realistic Detector Pulse Shape

Monday 21 March 2022 16:00 (20 minutes)

Summary

A handheld battery powered device was constructed which employs a fast discrete analog circuit to imitate the pulse shape of a particle detector (e.g. a PMT or SiPM). The rise and decay time as well as the amplitude are adjustable. A microcontroller and a small display serve to preview the waveform for convenience. Furthermore the device can create multiple distinct energy lines at the same time by quickly alternating between different pulse amplitudes. Both positive and negative output polarity is possible.

Proceedings

Es darf veröffentlicht werden wie vorgetragen

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