

Waveform digitizing in the Giga-sample Range with Switched Capacitor Arrays

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Switched Capacitor Arrays (SCA) are an attractive alternative to flash ADCs, being able to sample signals up to 10 GSPS and 12 bits with minimal power requirements. The talk gives an overview of the principle of SCAs and summarizes the features of various available chips and their applications in particle physics, including time measurements down to 3 pico seconds.

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