CAEN
tools for discovery

n Nuclear Physics
Tools for discovery ←

Digital Pulse Processing in Nuclear Physics

Charge Pre Amp → *Waveform Digitizer with DPP* →

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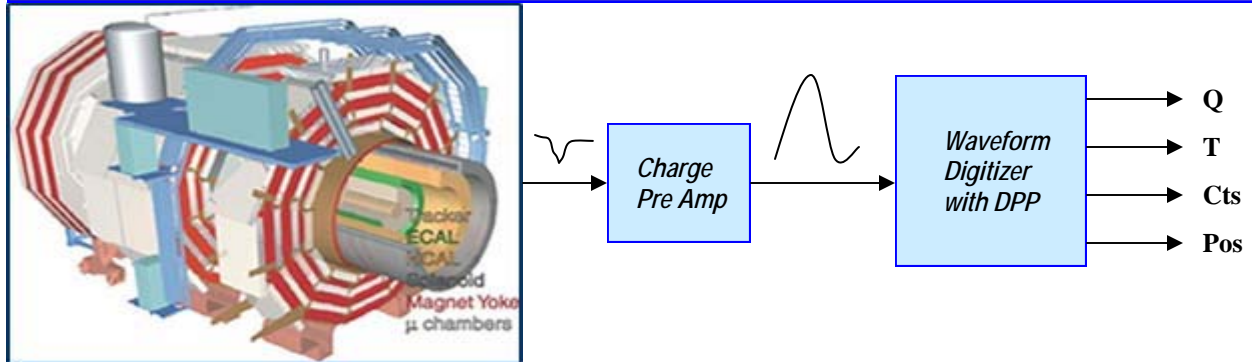
- **One board energy, timing and pulse shape analysis**

- **Good linearity and stability equals reproducibility**

- **Wide dynamic range and uniformity**

- **Better correction of pile-up, ballistic deficit and baseline fluctuation effects**

- **Preserve original pulse information**

- **Synchronized - correlated data to make coincidence/anticoincidence post acquisition**

- **Low dead-time - high counting rate**

- **Flexibility (FPGA) change and adapt the algorithms - easy tailoring to the application**