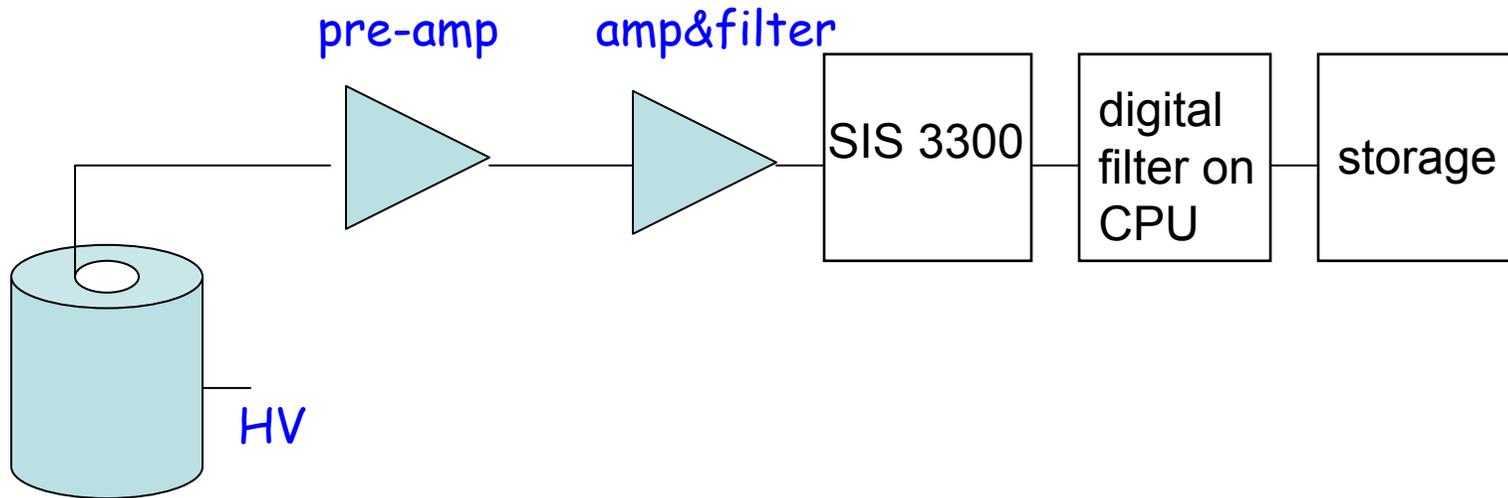


Readout Electronics

B.Schwingenheuer, MPI HD

Electronics a la T.Kihm et al., NIM B498 (2003) 334



pre-amp: charge sensitive amp, directly at Ge diode?
without package? self-made? on Kapton cable?

SIS 3300: 8-channel VME module, 12 bit ADC, 100 MHz sampling,
self-triggering (difference of 2 time slices with gap)
2 memory banks of 128k samples, readout ~ 7 MB/sec

digital filter: on VME CPU, for pulse shape analysis (rise time),
integration, pole/zero cancellation
advantage: time stability (0.007% in 3 weeks),
better resolution ?, pile-up handling ?