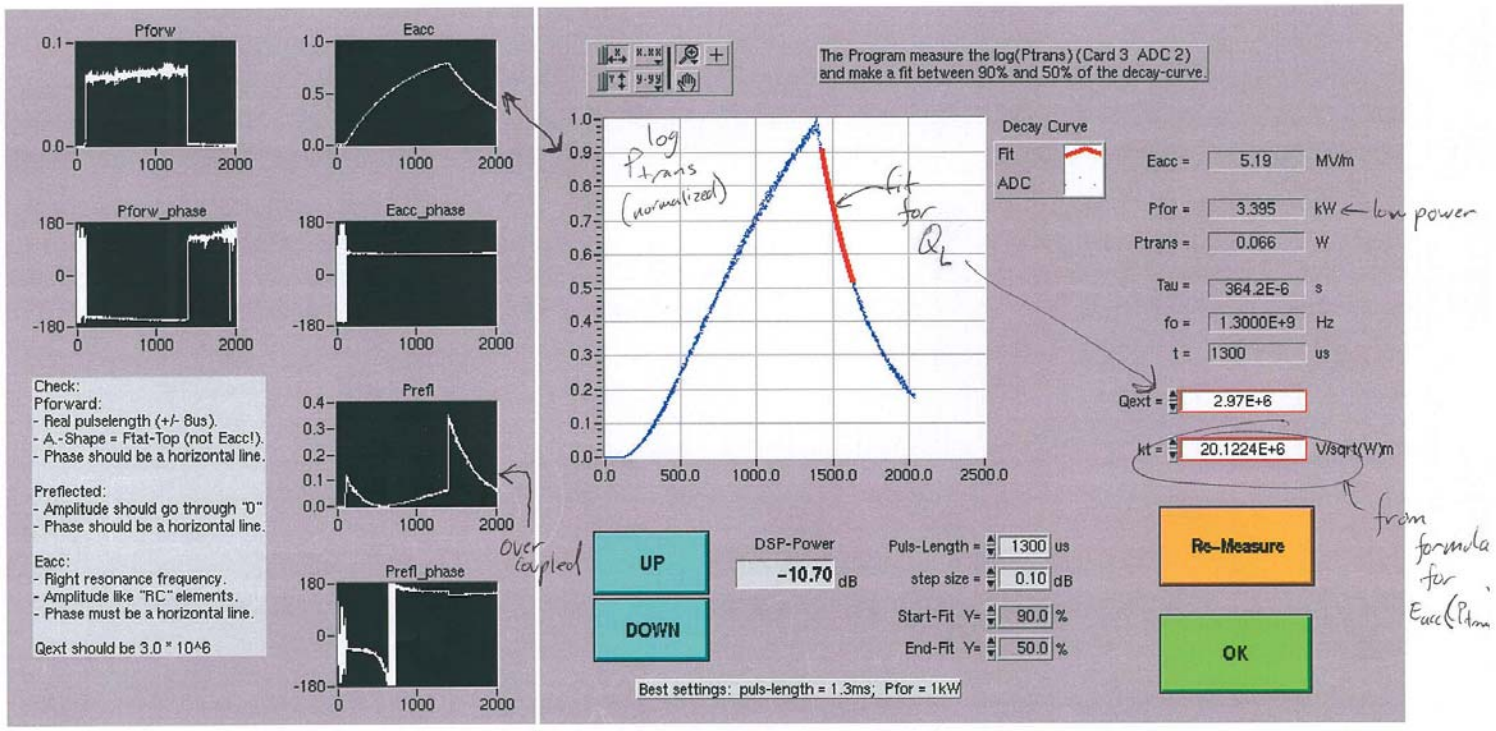
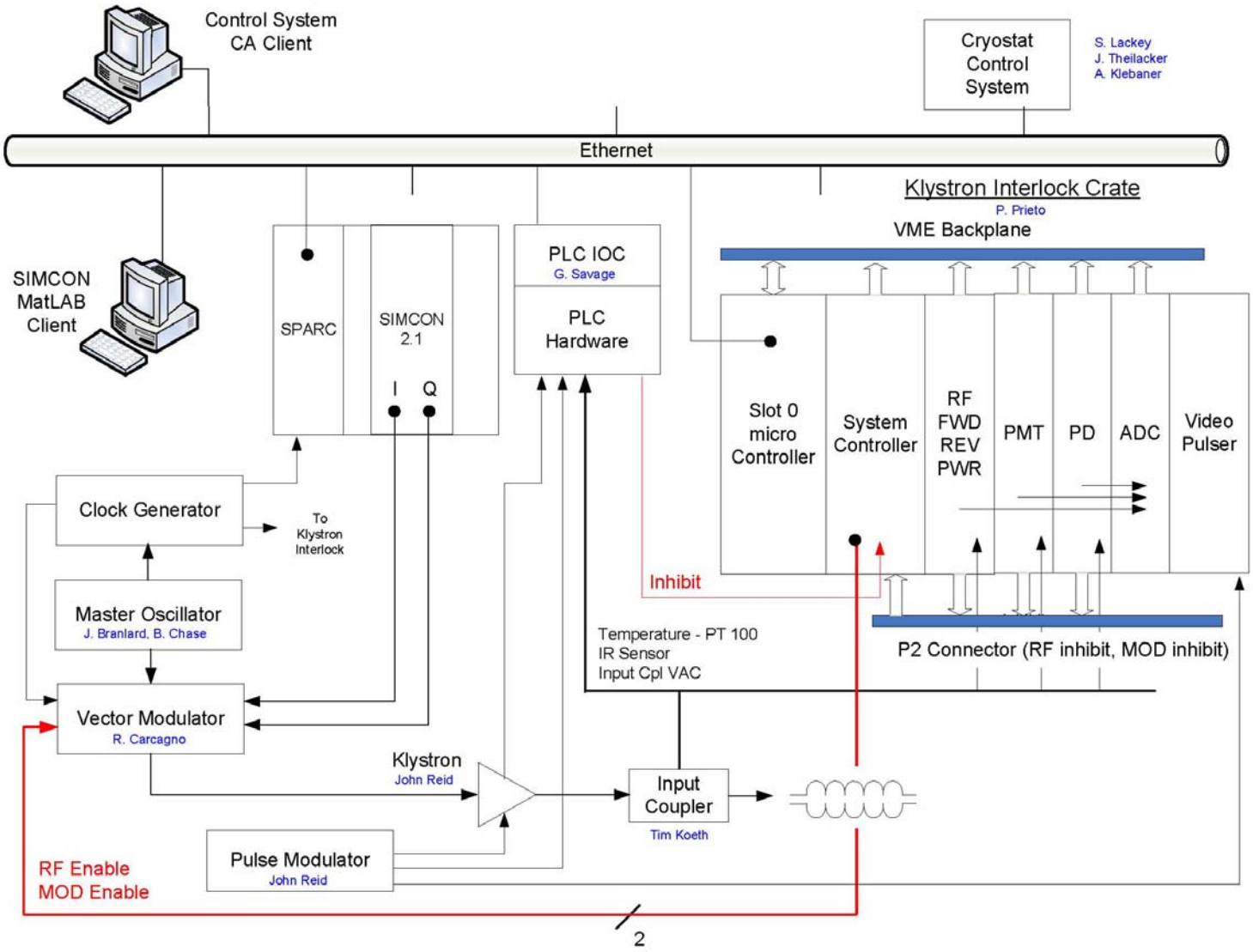
Determining k_T (cal factor for $P_{trans} \rightarrow E_{acc}$)



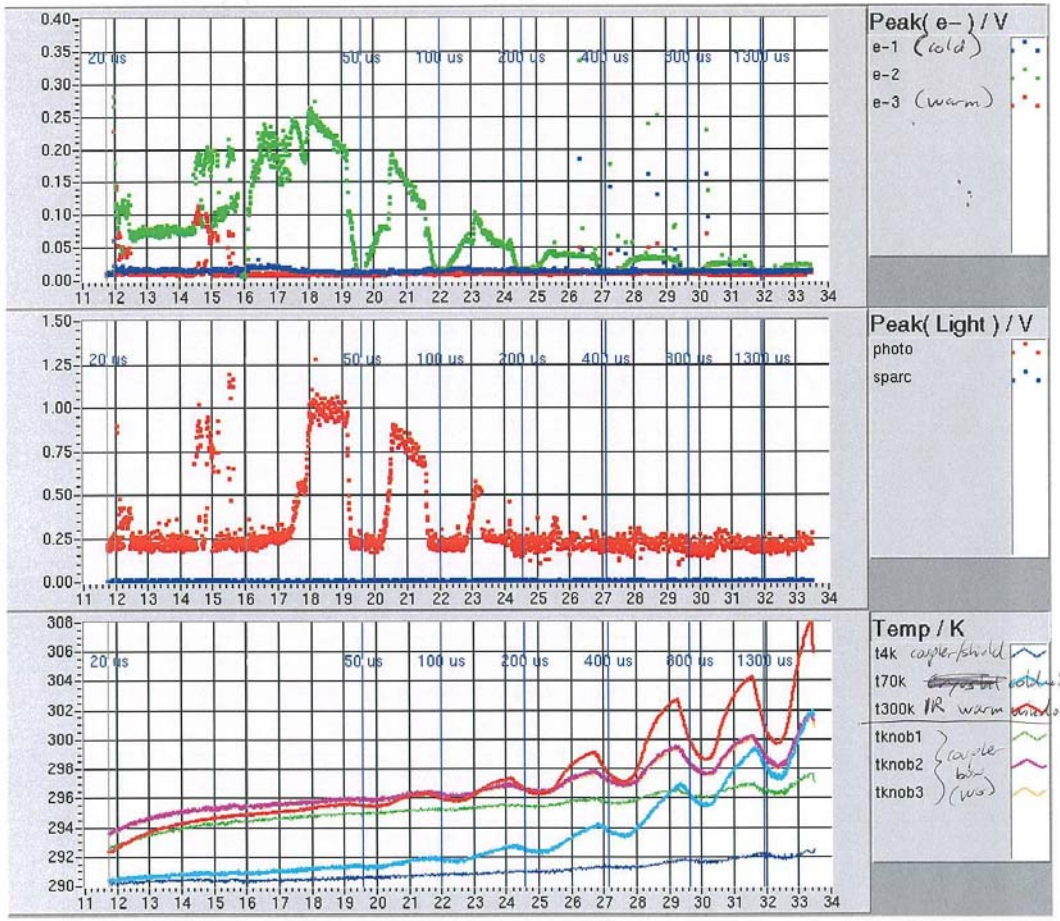
Example of LabVIEW application displaying data from DOOCS Simcon server at CHECHIA (DESY)



Slide found showing (among other things) architecture of interlock DAQ crate --- steal some signals from here

Fast signals

- Electron pickups (x 3) → *steal from IL crate*
- Cavity vacuum, coupler vacuum → *steal from PLC*
- P_{forw}, P_{refl}, P_{trans} → *steal from LLRF system*
  - Amplitude and phase
- P_{HOM} (x 2) → *not yet assigned to a readout channel*
- Faraday cups (dark current) → *not yet assigned to a readout channel*
- Coupler temperatures [RTD (x ?), IR] → *steal from PLC*
- Photodiode → *steal from IL crate*
- PMT → *steal from IL crate*



Example of LabVIEW (DOOCS?) logging data over long term at CHECHIA (DESY)