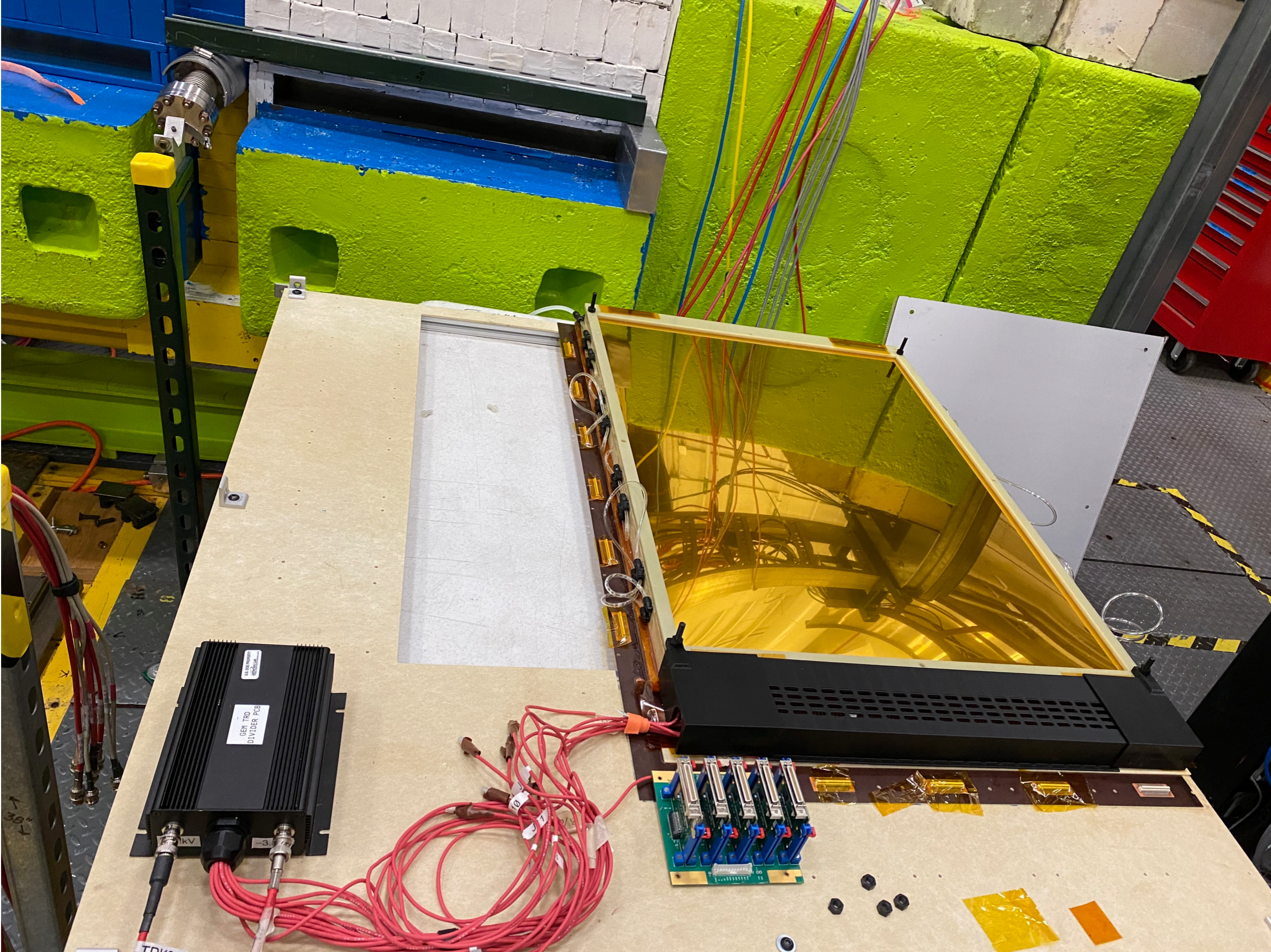
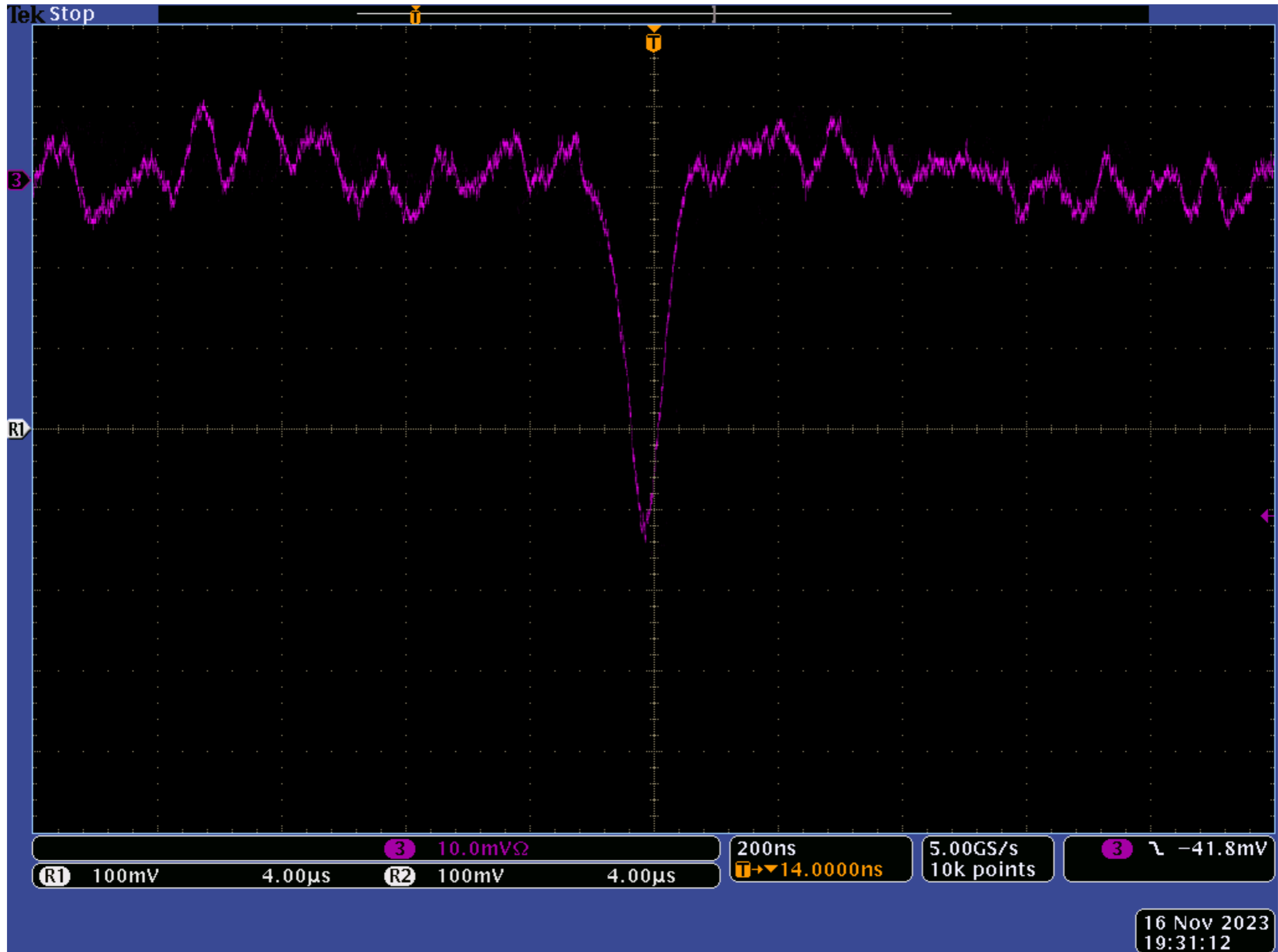


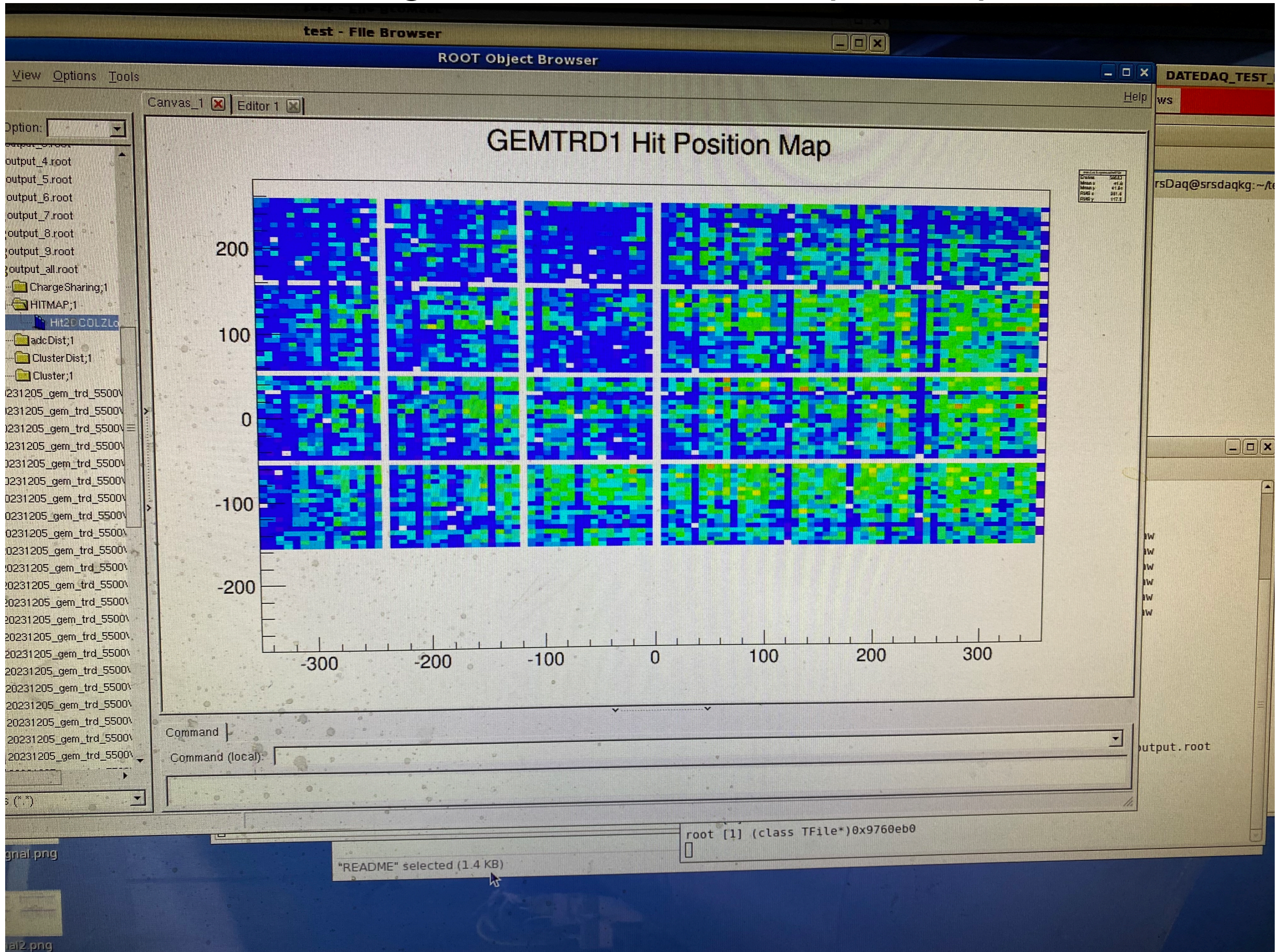
Tests of large GEM-TRD



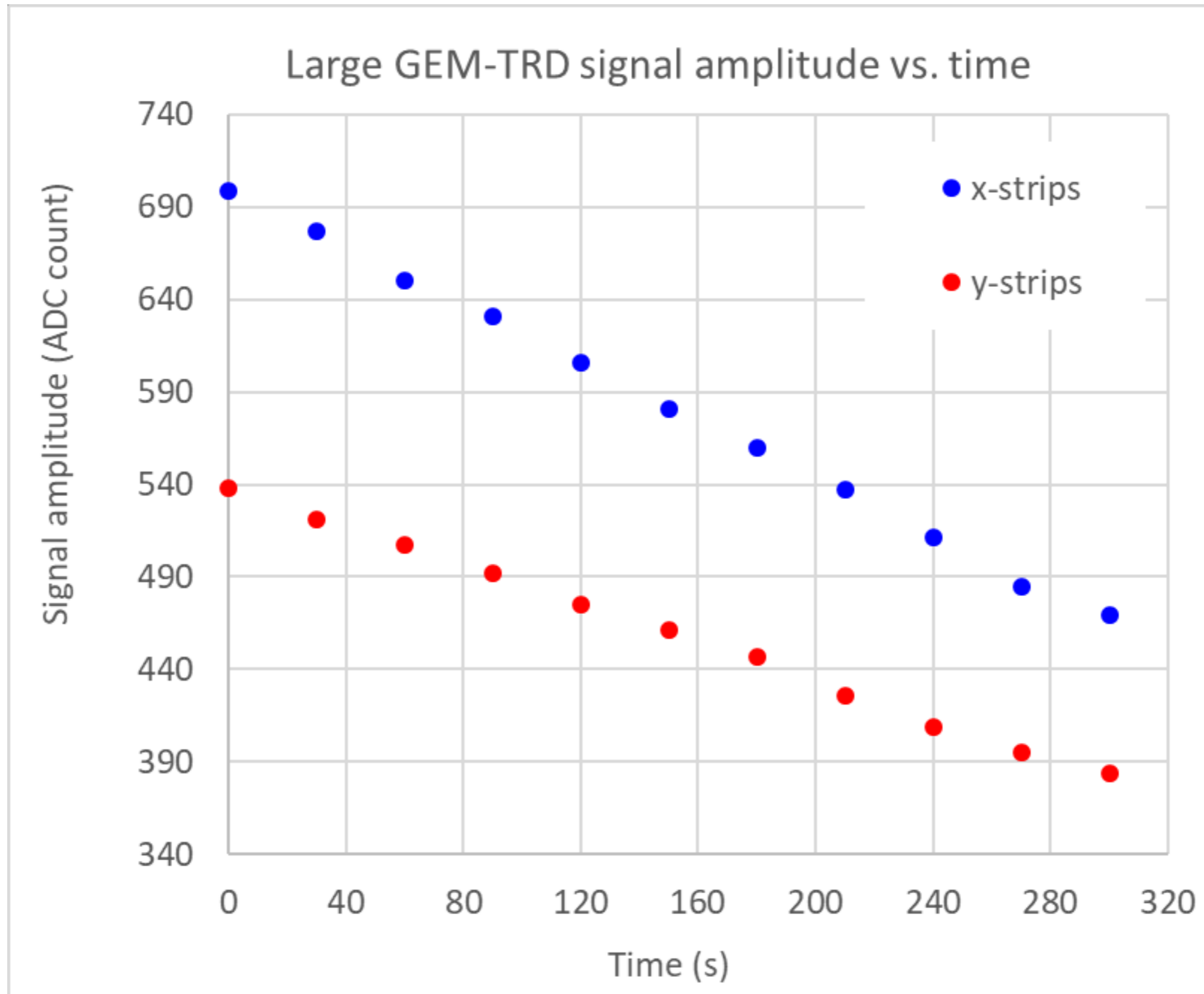
Tests of large GEM-TRD - our pre-amps



Tests of large GEM-TRD - APV pre-amps & SRS

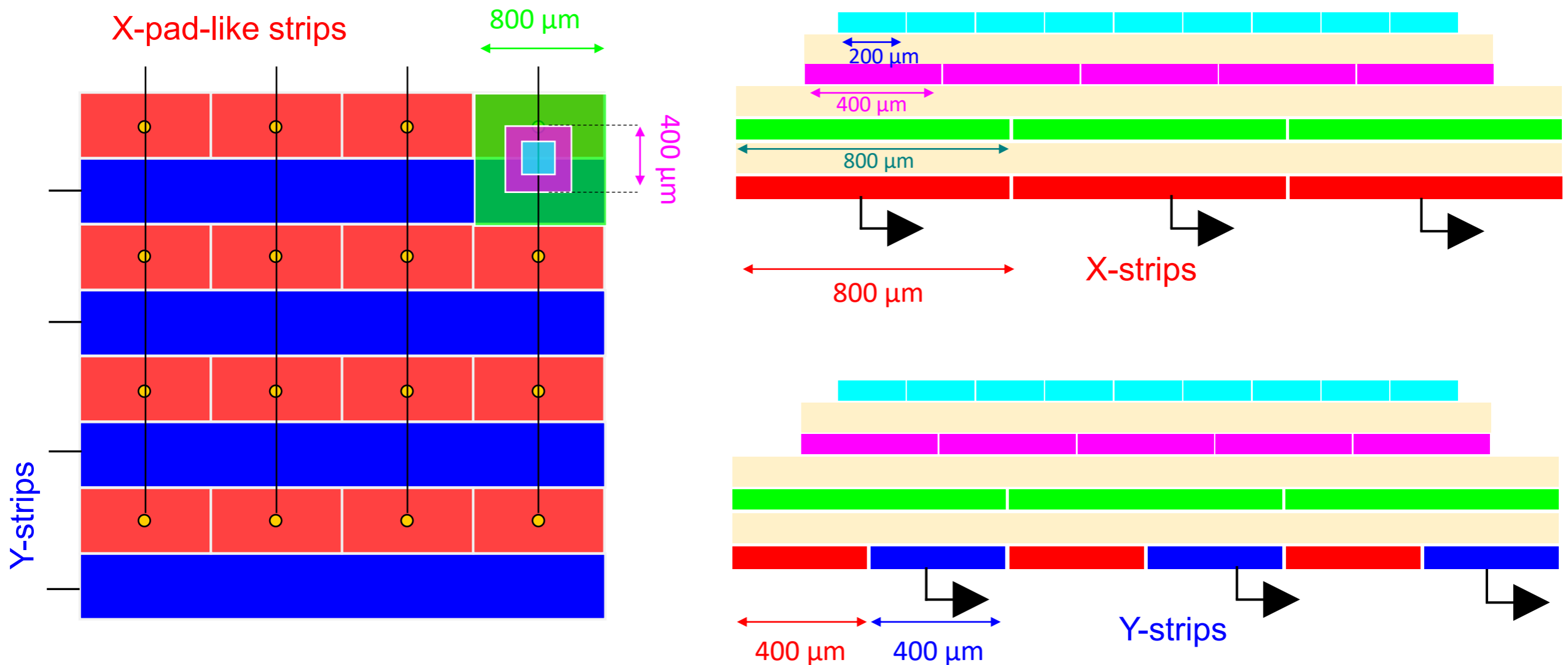


Tests of large GEM-TRD - APV pre-amps & SRS



Readout board

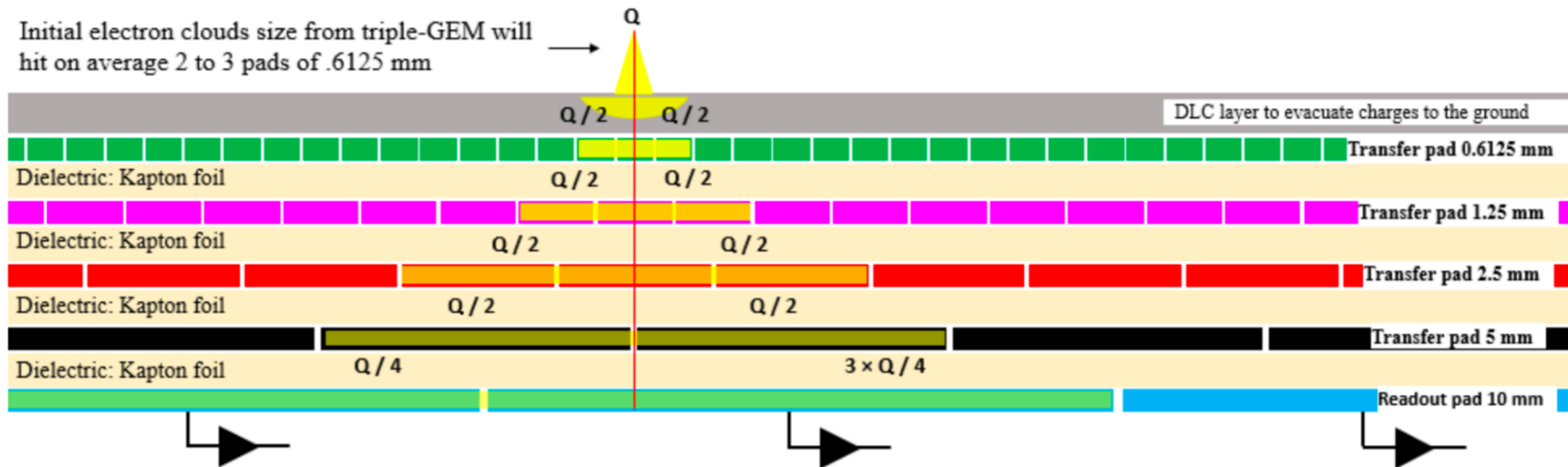
Capacitive-Sharing Large-Strip Readout: Low channel count X-Y strip readout



Readout board

Slide from Kondo

Basic principle of capacitive-sharing readout



- **Please for now on focus:**
 - More on the charge sharing through capacitive coupling i.e. capacitive-sharing aspect i.e. **all the layers except** the bottom one
 - not so much on the large pads, **the idea equally works for strips** (X/Y, U/V and whatever etc ...) as well.
 - For GEM-TRD, it will be wiser to go for capacitive-sharing X/Y strip readout (rather than pads)
- **Here:** The DLC layer (resistive layer) serves two purposes:
 - Evacuate charges from amplification structure (μ RWELL GEM or whatever)
 - Spread charges on the readout PCB with position resolution
 - **But also limit the rate capability**