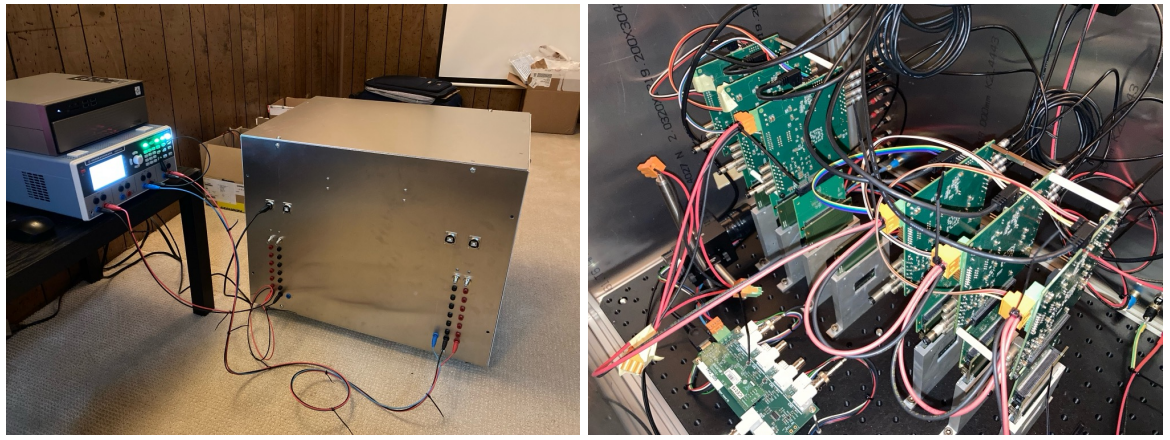
Short Term Plan at LBL for ITS3 ER1 Sensor Tests

- Sensor characterization: efficiency, fake rate, spatial resolution, cluster size (versus incident angle), radiation tolerance
  - **Beam tests at Fermilab**
    - ✓ **4/29-5/1: initial check at LBL**
    - ✓ **5/2-5/7: assemble the telescope**
    - **5/8-5/21: install and commission the telescope**
    - **5/22-5/28: take data as primary user, analyze data**
    - **6/1-6/25: add LGAD for timing reference**
    - **6/26-7/2: take data as primary user, analyze data**
  - **SEL tests at LBL:**
    - **5/5-5/15: design and make support and collimators**
    - **5/16-5/17: test mount the setup at BASE**
    - **5/23-5/24: identify sensitive sensor areas and measure SEL cross-section versus LETs with different ions**
  - **Lab tests at LBL:**
    - **Start from 5/25: threshold, registers, DAC, VSUB, temperature dependence, …**
- **Contribution (setup, software, analysis) very welcome**

LBL BabyMOSS Telescope



SEL test setup at BASE