

UIC EIC/SVT Intersets

Austin Baty
Oct 8, 2026
SVT Working Meeting
LBNL



UNIVERSITY OF
ILLINOIS CHICAGO

Personnel

- **2 PI's: Austin Baty + Olga Evdokimov**
- **3 postdocs + 1 senior researcher**
- **10 graduate students**
- **5 undergraduate students (all on EIC-related projects)**
 - **Easy to recruit more here**
- **Also have significant involvement in ePIC TOF AC-LGAD development**

Institutional Capabilities + Infrastructure

- **Laser setup for sensor characterization**
- **Cost-effective machine shop + 3D printing capabilities**
 - **Used extensively for cold-boxes, test beam preparations, etc.**
- **Ample free laboratory space for additional test-benches, etc.**
- **Geographic proximity to FNAL + ANL**
 - **Unfortunately, Fermilab test beam not expected to be available for the rest of 2020's**

Institutional Interests

- **Hardware:**
 - **Utilization of our laser setup for sensor characterization**
 - **Participation in test-beams and/or construction of test-beam infrastructure**
 - **Development of a test-bench at UIC for dedicated sensor/ASIC SVT testing**
 - **Would need further guidance as to what needs are most pressing + equipment that would be needed**
- **Software:**
 - **Already involved in tracking group (Jeetendra Gupta working with Barak)**
 - **Can help evaluate tracking performance if design is adjusted**
 - **Help develop code for sensor testing, etc.**