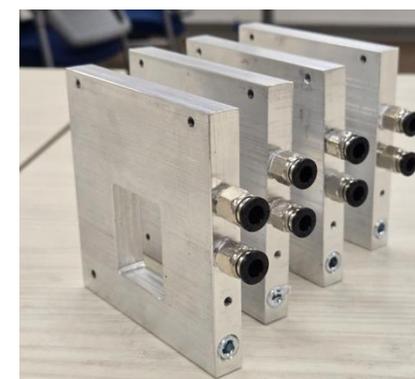
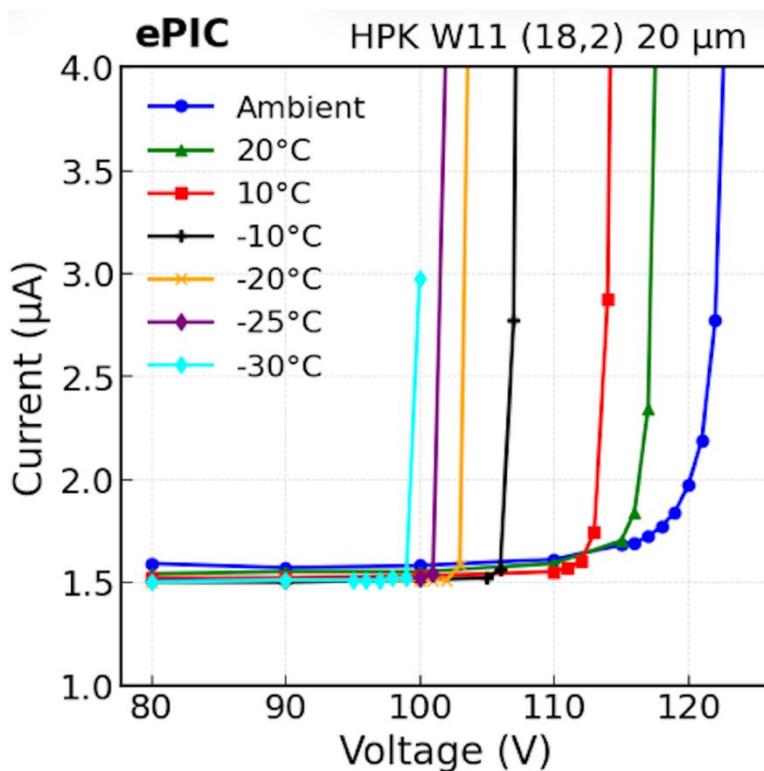
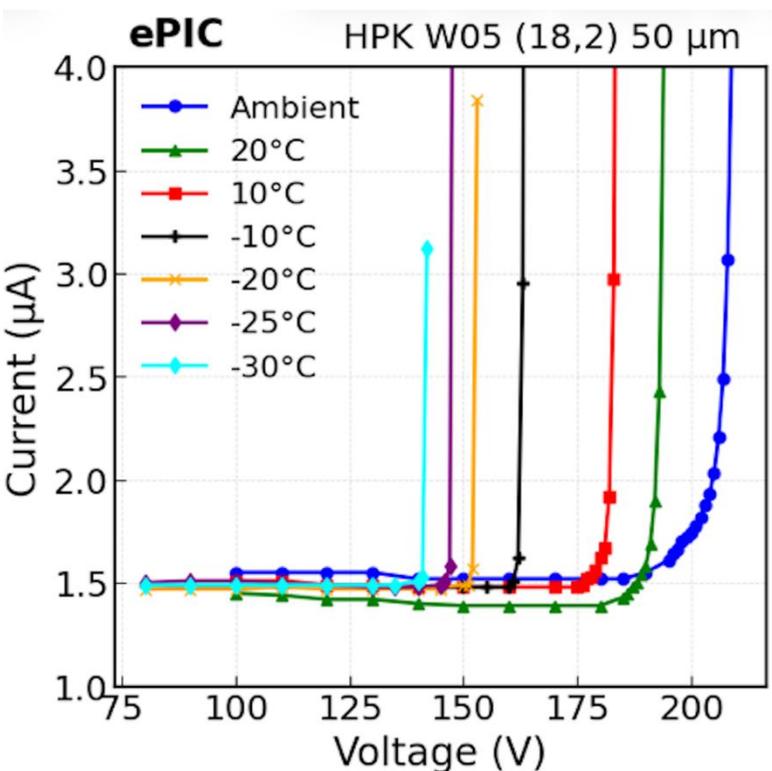
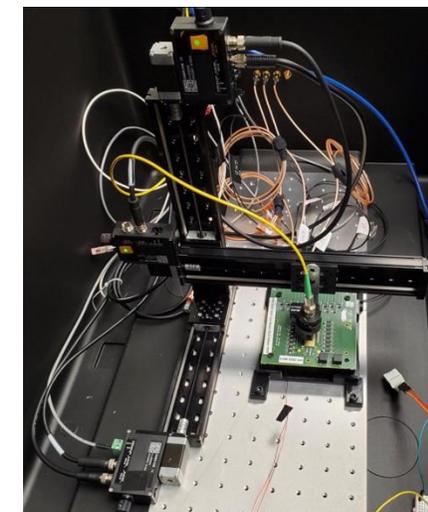


# UIC contribution to AC-LGAD

Grigory Nigmatkulov  
University of Illinois Chicago

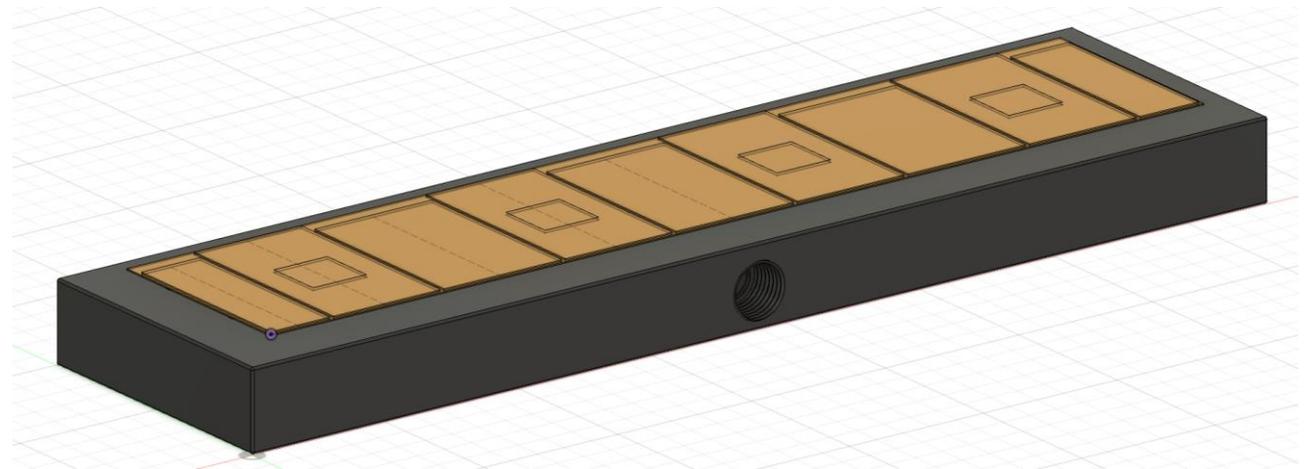
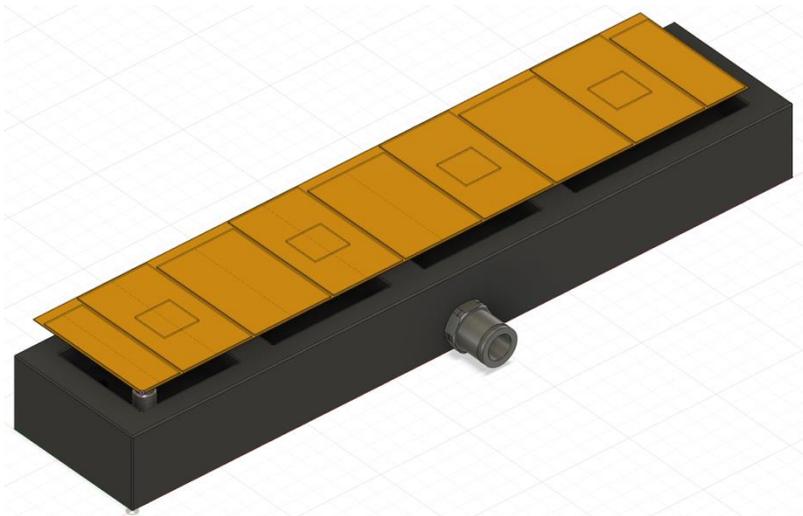
# UIC Efforts and Interests

- Sensor and sensor+ASIC characterization
  - Existing TCT setup at UIC
    - IV curves, temperature dependence, coordinate and time resolutions
  - Participation in the test beams (JLab 2025, Fermilab 2024) and data analysis



# UIC Efforts and Interests

- Mechanics
  - Design and production of the jigs for gluing
    - First prototypes sent to UCSC
  - BTOF contribution to stavelet and stave assembly



- Software
  - Building the database (sensor, stavelet, ... characteristics)  
(in collaboration with other institutions)