

# University of Chicago

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### Main motivation to join COMPASS++/AMBER:

Bring capabilities of the newly developed Large-Area Picosecond Photo-Detectors (LAPPD) to an experiment with a strong physics program which may significantly benefit from precision Time-of-Flight and Vertex measurements

### Group Status:

- Joining COMPASS++/AMBER is a new effort growing out of the UChicago LAPPD group
- New seed funding is essential to seriously participate in COMPASS++/AMBER
- Connection to the EIC project is crucial
- Close collaboration and coordination with other US institutions is planned, e.g.
  - Incom Inc. is a close collaborator on the development, testing, and deployment of LAPPDs
  - Strong ties with Argonne
  - Growing ties with Urbana Champaign

### Experience:

- Psec-level timing systems and photo-detector development
- Development of new reconstruction algorithms and data analysis techniques

LAPPD at Fermilab Test Beam

[credit to Evan Angelico]

