Workshop on Particle Tracking and Timing — **LECM 2025 - Wednesday, August 13th 2025**

Organizers: Andrew Rogers, Alfredo Estrade, Jorge Pereira

Time (CDT)	Length (Min)	Speaker	Affiliation	Topic/Title
8:30	5	Rogers, Estrade, Pereira		WELCOME / INTRO
8:35	10	Zegers	FRIB/MSU	Update on the High Rigidity Spectrometer
8:45	15	Estrade	CMU	Mass measurements with the ToF-Brho technique and fast scintillators
9:00	15	Pereira	FRIB/MSU	S800 Tracking and Timing Needs
9:15	15	Di Carlo	FRIB/MSU	Development of Tracking and Timing Detectors for Secondary Beam Diagnostics at FRIB
9:30	15	Benetti	FRIB/MSU	New target area detector for S800
9:45	15	Rogers	UML	MCP Overview & Readout Schemes
10:00	30	BREAK		
10:30	15	Wagner	FRIB/MSU	MCP for recoil detection at SECAR and DRAGON
10:45	15	Tolstukhin	ANL	MCP Diagnostics at ANL
11:00	15	Webb	WashU	Building and Testing a SiPM-based Scintillating Fiber Array
11:15	45	ALL		Discussion / Closing
12:00				END

ZOOM Information:

https://uml.zoom.us/j/91350010306

Meeting ID: 913 5001 0306

Passcode: 990921

Overview: Particle-tracking detectors are a key piece of the experimental setup in modern nuclear physics experiments involving fast heavy-ion beams. As an example, experiments at next-generation facilities such as FRIB would benefit from sub-millimeter particle tracking and picosecond (or better) timing. The Beam-Tracking working group was created to focus on advancing and optimizing existing beam detection technologies, including MicroChannel Plate (MCP) systems and fast-scintillators, as well as the development of novel detector technologies and methods. Our goal is to bring together members of the community who are working on, or are interested in such projects, to find areas of common interest, learn from the experience of similar development efforts, and foster new collaborations.