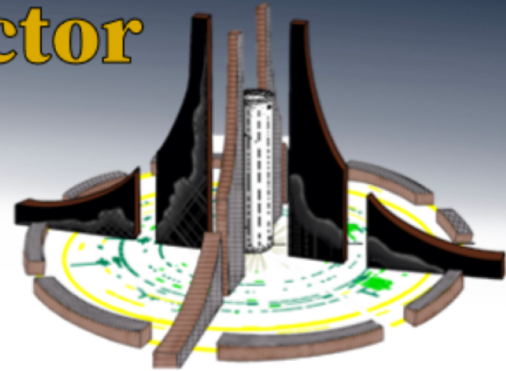


12th Forum on Tracking Detector Mechanics



Purdue University, West Lafayette, USA
29-31 May 2024



Welcome to Purdue

29th May 2024

Andreas Jung on behalf of the LOC
(Sushrut Karmarkar, Ben Denos, Kristin Deweese,
and many student helpers)





Agenda

- 3 full days, always start at 8am
 - Light breakfast in the morning till sessions start
 - Boxed lunch provided
 - Friday is focused R&D: DRD8 and RDC10
- Lab tours Thursday and Friday 1-2pm
 - Your name tag has the lab schedule & group association
- Social Gathering today starting 5:30pm-ish / 6pm
 - Venue: Local Farmers Market, details next slide
 - Your name tag has a entrée voucher
 - All are welcome!
- Reception and formal dinner on Thursday
 - Starts at 7pm at the Union, more details tomorrow
- Any question, ask any of us or use ftdm2024@purdue.edu



Miscellaneous...

- Physics Clean Lab tours are possible, likely Friday afternoon
 - IT module assembly, including wire-bonding
 - OT module testing
 - Cooling labs
- Restaurants are on a summer schedule already, be aware that google might not be up to date on hours...



Hawkins Housing & Pickup

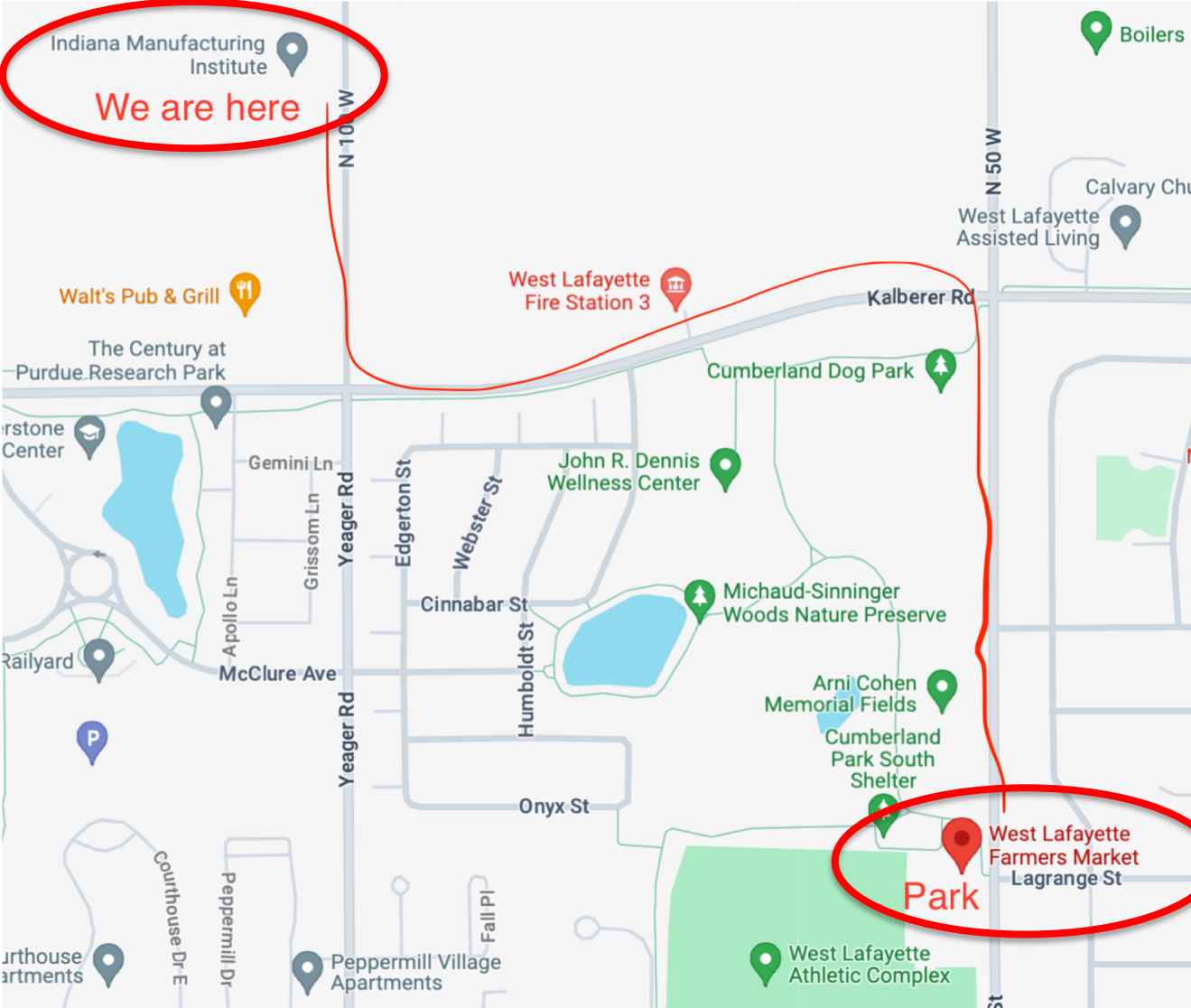
- Pickup schedule should be known, if not please ask us
 - Any issues ?
- Hawkins housing – unfortunate change in block reservation
 - Price will be adjusted accordingly
 - Bathrooms on hallway not in the room, please contact me if you need to be re-accommodated in a different way

- Local Farmers Market, vendors will be prepared to accept your Wednesday “entrée” ticket – Beverages at shelter (no alcohol allowed)
 - Pick anything, pastries is fine too – we pay at the end
- Start: 6pm and market closes at 7pm (!)
 - We are aiming to end in time at 5:30pm
 - Adjusting last coffee break to 20min instead of 30
- Parking at the Farmers Market, if full street parking along Salisbury or park at Recreation Center and take a 10-15min walk
 - Map is on next slide
- Food selection:
 - <https://www.westlafayette.in.gov/government/parks-and-recreation/places/farmers-market>








Social Gathering – Where ?





Lets jump into exciting workshop...

	<p>Assembly and installation of the MVTX silicon vetex detector into the sPHENIX experiment <i>Mr Walter Sondheim</i> <i>Large Conference room, Purdue CMSC</i> 09:10 - 09:30</p>	
	<p>Conceptual design for the ePIC SVT outer barrel staves <i>Adam Huddart</i> <i>Large Conference room, Purdue CMSC</i> 09:40 - 10:00</p>	
10:00	<p>Corrugated carbon composite disc design for the ePIC Silicon Vertex Tracker (SVT) <i>Nicole Apadula</i> <i>Large Conference room, Purdue CMSC</i> 10:10 - 10:30</p>	
	<p>Coffee break <i>Large Conference room, Purdue CMSC</i> 10:40 - 11:10</p>	
11:00	<p>Large-Scale Comprehensive Thermal Simulation of the CBM Silicon Tracking System (STS) on the Virgo Cluster at GSI <i>Ilya Elizarov</i></p>	
	<p>GridPix TPC as a tracking and PID device <i>Prakhar Garg</i> <i>Large Conference room, Purdue CMSC</i> 11:40 - 12:00</p>	
12:00	<p>Outsource production and the design of Phase-2 CO2 cooling systems. <i>Krzysztof Sliwa</i>  <i>Large Conference room, Purdue CMSC</i> 12:10 - 12:30</p>	
	<p>Lunch break</p>	
13:00		
		<p>Overview of the CO2 cooling DEMO obtained results and a prediction of future system behavior. <i>Bart Verlaet et al.</i> <i>Large Conference room, Purdue CMSC</i> 13:40 - 14:00</p>
14:00		<p>Flow distribution capillary tube testing for the CMS silicon detector upgrades <i>Derek Jan Langedijk</i> <i>Large Conference room, Purdue CMSC</i> 14:10 - 14:30</p>
		<p>TB2S Ladder Assembly and Qualification for CMS Outer Tracker System <i>Saleh Muhammad</i>  <i>Large Conference room, Purdue CMSC</i> 14:40 - 15:00</p>
15:00		<p>Coffee break <i>Large Conference room, Purdue CMSC</i> 15:10 - 15:40</p>
		<p>TFPX-TBPX adjustable mechanical connection tests for the Phase II integration of the CMS Inner Tracker <i>Daniele Benvenuti</i></p>
16:00		<p>Structural Composite Design, Simulation, and Testing of the HL-CMS Inner and Outer Tracker Support Tubes <i>Ben Denos</i> <i>Large Conference room, Purdue CMSC</i> 16:20 - 16:50</p>
		<p>Design and testing of a dynamic support frame structure for the CMS tracker installation process<i>Mikko Tapani Barinoff</i>  <i>Large Conference room, Purdue CMSC</i> 17:00 - 17:20</p>
17:00		