



## Physics Day 2026 Program

**Time:** Saturday, April 25, 8:45am – 2:30pm  
**Venue:** 1100 PAIS

Registration Desk: Jordan Atkinson

### *Saturday Morning Session*

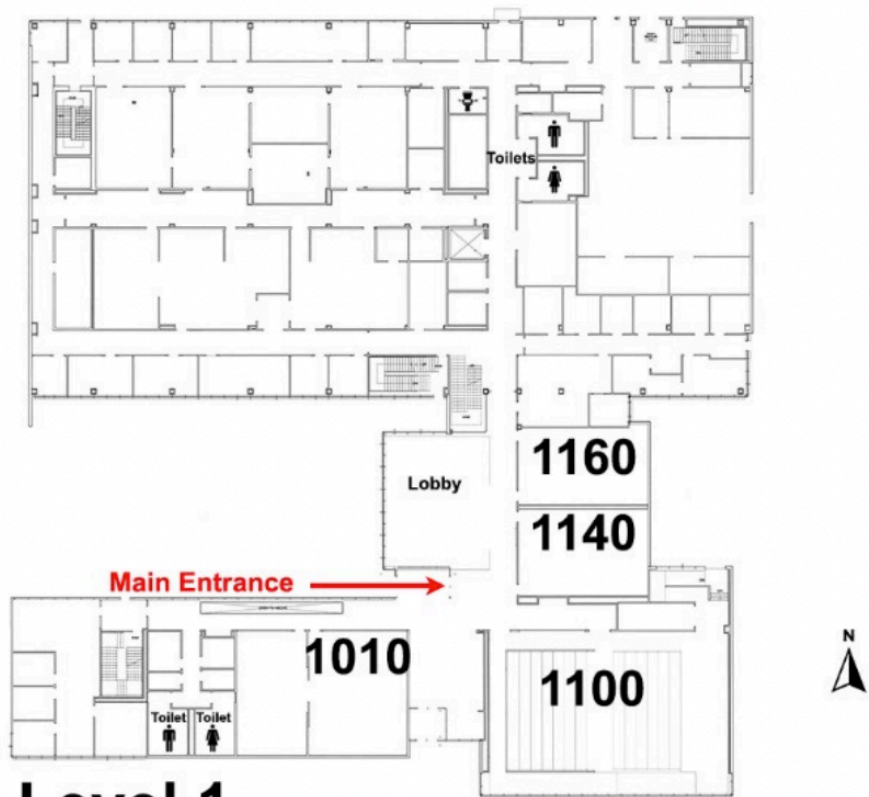
Chair: *Gabriel Sidebottom*

8:45am	Breakfast	
9:15 – 9:20 am	Welcome	Rich Rand
9:20 – 10:00 am	Dreaming of other worlds	Diana Dragomir (UNM)
Contributed Talks		
10:00 – 10:20 am	Finding Exoplanet Transits with Machine Learning	Allison Shaver (UNM)
10:20 – 10:40 am	Measurements of Radiation Effects in DC-coupled Low Gain Avalanche Detectors	Seth Medina (UNM)
10:40 – 11:00 am	break	<i>Chair: Jordan Atkinson</i>
11:00 – 11:20 am	TCAD Simulation and Optimization of Silicon Pixel Detectors for High Energy Physics Applications	Olivia Hass (UNM)
11:20 – 11:40 am	LWA Swarm: Unlocking the Cosmos with Interferometry	Sara Pezzaioli (UNM)
11:40 – 12:00 pm	LWA instrumentation	Jacob Grosso (UNM)
12:00 – 1:00 pm	Lunch and Demos	

### Saturday Afternoon Session

Chair: *Jordan Atkinson*

1:00 - 1:20 pm	Characterizing the Precipitable Water Vapor of Microwave Background the Atmosphere at Cosmic Observatory Sites	Yifu Chen (UNM)
1:20 - 1:40 pm	Characterizing Trends in Radio Frequency Interference at CMB Observatory Sites	Tristan Eggenberger (UNM)
1:40 - 2:00pm	How Friction Shapes Force Chains in Granular Piles, A Network Approach	Tatiana Flanagan (CNM)
2:00 - 2:15pm	break	
2:15 – 2:30 pm	Closing Remarks and Awards	Chair: <i>Rouzbeh Allahverdi</i>



## PAÍS Level 1

*Ground floor of PAÍS building. All talks will be in room 1100.*