

UNM Physics Day 2017

- Undergraduate Research Conference
- SPS Zone-16 Meeting
- Physics and Astronomy Open House

Saturday, April 8th, 9am-6pm
Physics and Astronomy Department



9.00 – 9.15	Welcome and Opening Remarks	
9.15 – 9.45	<p>Prof. Arash Mafi <i>The joy of being a physicist: a personal perspective</i></p>	
9.45 – 10.45	1st Oral session	
	9.45 – 10.00	<p>Zachary Castillo, UNM <i>Viability of integrating Op-Amps for event detection in time projection chambers</i></p>
	10.00 – 10.15	<p>Patrick Brown, UNM <i>Dark matter as probe of the very early universe</i></p>
	10.15 – 10.30	<p>Samuel Montgomery, NM Tech <i>Ionized hydrogen survey of nearby spiral galaxies</i></p>
10.30 – 10.45	<p>Veronica Dike, UNM <i>Detecting pulsar polarization below 100 MHz with the LWA</i></p>	
10.45 – 11.00	Break	
11.00 – 11.45	2nd Oral session	
	11.00 – 11.15	<p>Lauren Zundel, UNM <i>Spatially resolved optical sensing using graphene nanodisk arrays</i></p>
	11.15 – 11.30	<p>Amy Lili Soudachanh, UNM <i>Effect of doping concentrations of p-GaAs on ohmic contacts</i></p>
11.30 – 11.45	<p>Montie Avery, UNM <i>Numerical and asymptotic methods in pattern forming systems</i></p>	
11.45 – 13.30	<p>Lunch and barrel implosion (in the lobby of the P&A department)</p>	
13.30 – 15.30	<p>Lab Tours Lidke Lab, Becerra Lab, Sheik-Bahae Lab, and Center for Advanced Research Computing</p>	
15.30 – 16.30	Poster session	
	<p>Brady Spears, UNM <i>The Arecibo HI Zone of Avoidance Survey</i></p>	
	<p>Nicholas Huntoon, UNM <i>Local absorption for plasmon-induced hot carrier generation</i></p>	
	<p>Christian Roberts, UNM <i>Two approaches to evanescent illumination for microscopy applications</i></p>	
	<p>Veronica Dike, UNM <i>Cross-correlating radiation belt electron flux and substorm activity</i></p>	
<p>Ryan Dunagin, UNM <i>What lies beneath the dunes?</i></p>		
16.30 – 17.00	Concluding remarks and awards	
18.00 – 20.00	Dinner at Church Street Café	
20.00 – 21.00	Observing at the campus observatory	

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