

## Fall 2021 – COLLOQUIUM – PHYSICS 579

We encourage you to attend this colloquium series in person in Workman 101 on the New Mexico Tech campus.

However, Zoom is available as well  
Meeting ID: 974 1380 4428  
Passcode: 684155

<https://zoom.us/j/97413804428?pwd=UUU4R2F2bW5KT2htRnc2Zk1pQkJ2Zz09>

Note that ALL talks are LIVE (in person) with a speaker in Workman 101 EXCEPT talks marked with a Z (for Zoom only). All talks will be recorded, but the quality may vary. For best results, attend in person.

### SCHEDULE – (Rev. B– 8/26/2021)

Wk	Date	Speaker	Topic
1	8/19	Dr. R. Sonnenfeld	Introduction
Z 2	8/26	Dr. Jeff Lapierre, Earth Networks	Earth Networks Total Lightning Network: A Great Operational Tool and an Even Better Scientific Tool
3	9/02	Dr. Michelle Creech-Eakman, NMT	Guide to Grad. School success
4	9/09	Ms. Vicki Kelsey, South Dakota School of Mines	Remote Sensing of Precipitable Water with an IR Thermometer
5	9/16	Dr. Julia Tilles, Sandia National Labs	Lightning Physics with the LWA
Z 6	9/23	Dr. Brian Hare, University of Groningen	3D Polarized Beamforming for Probing Lightning with the LOFAR Radio Telescope
7	9/30	Mr. Tom Solomon, 350NM.org	Detailed Transition Plan to a Renewable USA
Z 8	10/07	APS 4Corners Section Meeting	Various
9	10/14	Mr. Jeff Peischl, NOAA	Advanced Analysis of Anthropogenic Methane
10	10/21	Dr. Hugh Christian, UA Huntsville	Lightning science on Orbit
11	10/28	Mr. Josh Paquette, Sandia National Labs	Wind Turbine Research
12	11/04	Dr. Shane Larson, Northwestern University	Really Cool Astro Stuff TBA
13	11/11	Mr. Luis Torres, U. Wisconsin	Motion Compensation in Pulmonary Ultra-short Echo Time MRI
14	11/18	Dr. Bryan Butler (NRAO)	The next generation Very Large Array (ngVLA) - Telescope Design and Science”