



LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS (LEPP)

Joint Experimental and Theory Seminar in Particle Physics and Cosmology:

Precision Cosmology with Advanced ACTPol

The Advanced ACTPol upgrade on the Atacama Cosmology Telescope aims to improve the measurement of the cosmic microwave background anisotropies and polarization, using four new dichroic detector arrays fabricated on 150-mm silicon wafers. In 2016, the Atacama Cosmology Telescope began mapping approximately half the sky with increased sensitivity using these new detector arrays. I will discuss the performance of the Advanced ACTPol upgrade and the improved constraints on cosmology.



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Princeton

Friday, December 15, 2017
1:00pm
401 Physical Sciences Bldg.