

# PHYSICS DEPARTMENT SEMINAR

Friday, February 27<sup>th</sup>, 2009

11:00 AM in PhSc 108

## Raman-shifted Eye-safe Aerosol Lidar

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ABSTRACT: The REAL now resides at the Chico State Farm and opportunities abound for students and faculty in many disciplines to use it in research & education. This seminar will begin by describing the motivation for the creation of REAL and why the instrument is unique. An overview of the key technological aspects of design & function will be described. Examples of how the lidar has been used in atmospheric research field experiments and defense applications will be shown. The seminar will conclude by suggesting examples of how it can be used as a nationally unique facility for interdisciplinary teaching and research.

For more information: <http://phys.csuchico.edu/lidar>