



The Keck Institute for Space Studies  
presents a public lecture on

## **Single Photon Detectors - from A to B**

(from Astronomy to Biology, and Beyond)

**Professor Daniel Prober**  
**Yale University**

**Tuesday, January 26, 2010**  
**4pm**

**Hameetman Auditorium**  
**Cahill Building**  
**California Institute of Technology**

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Professor Prober will describe the development and uses of single photon detectors, covering photon energies from MeV to meV, and wavelengths from 1 picometer to 1 mm.

The developments have been driven by many applications, drawn from astronomy, biology, communications, and materials analysis. Intended for a general scientific audience, Professor Prober will present a selection of these developments and applications.

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**Pizza and sodas will follow the  
lecture and discussion**

**[www.kiss.caltech.edu](http://www.kiss.caltech.edu)**

Graphic based on:  
Superconducting Transition Edge Sensor (TES)  
for Detection of Single 1.5 micron Photons  
with 95% System Detection Efficiency  
- developed at NIST, Boulder, CO

A.Lita et al. Optics Express 16, 3032-3040 (2008)