

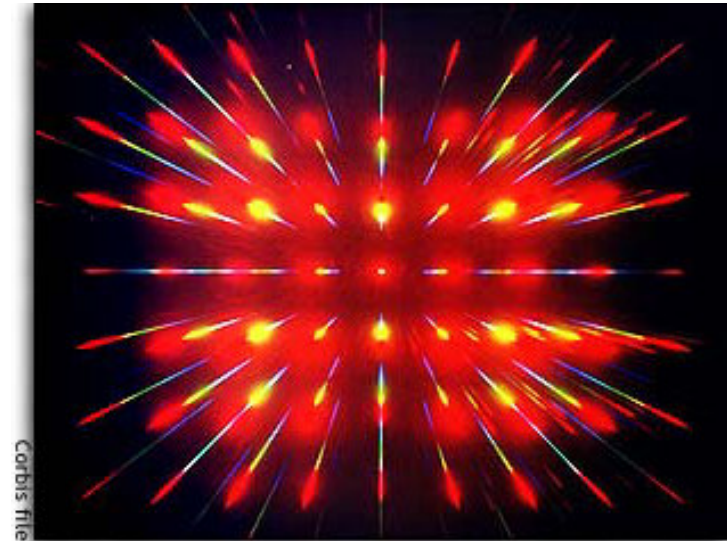
## General Science at Berks Lehigh Valley College

Our four year multi-disciplinary program in the General Sciences at Penn State Berks-Lehigh Valley College offers a unique opportunity to study Physical Science in a small college atmosphere with a low student to faculty ratio. Our course offerings are flexible so students can pursue unique concentrations in Atomic and Molecular Physics, Astrophysics, Atmospheric Physics, Optics, Nanoscience, Subatomic Particle Physics, Solid State Physics, and Computational Physics.

In addition there are many opportunities to pursue undergraduate research in conjunction with our excellent physics faculty in the above mentioned fields.

For more information contact:

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**122B Luerssen Bldg.**  
**Berks Campus**  
**Phone: 610-396-6199**  
**Email: [abr1@psu.edu](mailto:abr1@psu.edu)**



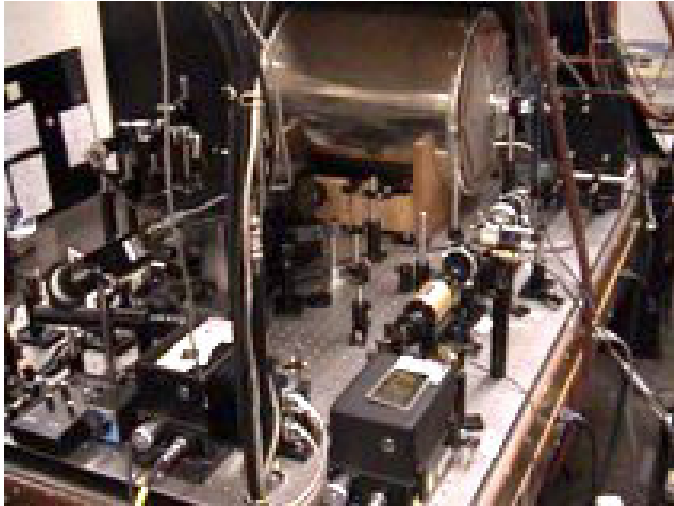
## The Story of Stopped Light

Tuesday, February 24, 2004

7:00 p.m.; Reception at 6:00 p.m.

Perkins Student Center

# The Story of Stopped Light



Abstract: Recent experiments have shown that a pulse of light can be brought to a stop in a specially-prepared cloud of atoms, and then re-accelerated and released on command. This public lecture will describe how stopped light is a new manifestation of the rules of quantum mechanics, with potential applications to ultra-secure quantum communication.

**Dr. Walsworth's visit is sponsored in part by the Tri-State Section of the Optical Society of America**



Dr. Ronald Walsworth is a Senior Lecturer on Physics at Harvard University, and a Senior Scientist at the Smithsonian Institution. He leads a research group pursuing a wide range of investigations, including the development of atomic clocks; precise tests of fundamental physical laws and symmetries; 'stopped light' and applications to quantum information processing; studies of porous and granular media; and biomedical imaging with applications to pulmonary physiology and medicine. His research has been featured in the New York Times, Boston Globe, National Public Radio, Scientific American, Science, Science News, MSNBC News, and Discover Magazine.