

Linda Young

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Professional Experience

- **2007-Present.** Argonne National Laboratory Distinguished Fellow.
- **2002-2007.** Senior Physicist at Argonne National Laboratory.
- **1994-present.** Group Leader, Atomic, Molecular, and Optical Physics at Argonne National Laboratory.
- **1988-2002.** Physicist at Argonne National Laboratory.
- **1983-1988.** Assistant Physicist at Argonne National Laboratory.
- **1981-1983.** Postdoctoral Fellow at the University of Chicago.

Education

- Ph. D., University of California, Berkeley, 1981.
- S.B., Massachusetts Institute of Technology, 1976.

Research interests

- Atomic, molecular, and optical physics
- Strong-field control of X-ray processes
- Ultrafast X-ray imaging

Awards

- University of Chicago, Distinguished Performance Award (2007)
- Distinguished Travelling Lecturer, Division of Laser Science, American Physical Society (2007-present)
- American Physical Society Fellow
- Visiting Fellow of the Joint Institute of Laboratory Astrophysics (JILA), University of Colorado (1992-1993, 2007)

Career Activities & Highlights

- 1989-present: Associate Editor, *Applied Physics Letters*
- American Physical Society
 - 2005-present: Allis Prize Committee
 - 2003-2004: Schawlow Prize Committee, Vice-Chair-Chair
 - 1999-2002: Executive Committee of Division of Atomic, Molecular, and Optical Physics
 - 1998-2001: Executive Committee of Division of Laser Science

- 1998-2000: F.M. Pipkin Award Committee, Vice-Chair-Chair
- 1996-1999: Executive Committee of Topical Group on Precision Measurement and Fundamental Constants
- 2004-present: Scientific Advisory Committee, Advanced Light Source, Lawrence Berkeley National Laboratory
- 2003-present: Program Advisory Committee, Synchrotron Radiation Center; Stoughton, Wisconsin
- 1996-1999: National Research Council Committee on Atomic, Molecular, and Optical Science

Recent Publications

- C. Buth, R. Santra, and L. Young, "Electromagnetically Induced Transparency for X-rays," *Phys. Rev. Lett* 98, 253001:1-4 (2007).
- C. Höhr et al., "Alignment Dynamics in a Laser-Produced Plasma," *Phys. Rev. A* 75, 011403:1-4 (2007).
- R. Santra, R. W. Dunford, and L. Young, "Spin-Orbit Effect on Strong-Field Ionization of Krypton," R. Santra, R. W. Dunford, and L. Young, *Phys. Rev. A* 74, 043403:1-9 (2006).
- L. Young et al., "X-ray Microprobe of Orbital Alignment in Strong-Field Ionized Atoms," *Phys. Rev. Lett.* 97, 083601:1-4 (2006).