

**Prof. Ed Kearns**

Department of Physics, Boston University  
590 Commonwealth Ave.  
Boston, MA 02215

kearns@bu.edu  
(617) 353-3425

**Professional preparation**

Harvard University	Physics	Ph.D. 1990
Harvard University	Physics	A.M. 1984
Massachusetts Institute of Technology	Physics	B.S. 1982

**Appointments and honors**

Professor of Physics, Boston University, 2007-present  
Visiting Professor, Kavli Institute for the Physics and Mathematics of the Universe,  
University of Tokyo, 2008-Present (Joint Appointment)  
Associate Professor of Physics, Boston University, 1999-2007  
Research Assistant/Associate Professor, Boston University, 1992-1999  
Research Associate, Boston University, 1990-1992

Fellow, American Physical Society  
Universities Research Association (URA) Fellow, 2013  
Intensity Frontier Fellow, 2013

**Presentations (recent and selected)**

- Invited talk at Conference on Science at SURF (Rapid City, May 2015)
- Invited talk at TeVPA/DM (Amsterdam, June 2014)
- Invited talk at ICFA Regional Neutrino Meeting (Fermilab, January 2013)
- Invited talk at Project X Workshop (Fermilab, June 2012)
- Summary talk at Lepton Baryon Violation 2011, (Gatlinburg, TN, Sep. 2011)
- Opening plenary talk at NuFACT09 (Chicago, July 2009)
- Featured speaker at Society of Physics Student Meeting (Boston, March 2009)
- Lectures: Fermilab Academic Lectures, 2014, 2013; TUNL REU Program, 2012, 2010; Fermilab Neutrino Summer School, 2007

**Synergistic activities**

- **Conference Organization:** Co-chair, Neutrino 2014, Boston; Session organizer: BLV 2015 (Amherst); Co-organizer (and Lecturer), New England Particle Physics Student Retreat 2003-2009.
- **LBNE/DUNE:** Executive Committee Member; Nucleon Decay Physics Working Group Co-Convener; Interim International Executive Board Member.
- **Super-K/Hyper-K:** Atmospheric Neutrino and Proton Decay, Electronics Working group, Co-convener; Gadolinium Committee, Member; Hyper-K International Steering Committee.
- **U.S. Particle Physics Planning:** Snowmass 2013, Baryon Number Violation Working Group Co-Convener; Neutrino Scientific Assessment Group (NuSAG), 2006-2007; Fermilab Long Range Plan Steering Group, Co-chair, Neutrino working group, 2007-08; DUSEL Program Advisory Committee, 2006.