

CURRICULUM VITAE

Hitoshi Murayama

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Nationality : Japan

Sex : male

Marital Status : married, a wife, a son and two daughters

Birth : Tokyo, Japan, March 21, 1964

VISA status : US permanent resident

EDUCATION

March 1986 : B.Sc. in Physics, University of Tokyo

March 1991 : Ph.D. in Theoretical Physics, University of Tokyo

APPOINTMENTS

Apr 1991 – Jun 1995 : Research Associate at Tohoku University

Sep 1993 – Jun 1995 : Post-doctoral Fellow at Lawrence Berkeley Laboratory

Jul 1995 – Jun 1998 : Assistant Professor of Physics, University of California, Berkeley

Jul 1998 – Jun 2000 : Associate Professor of Physics, University of California, Berkeley

Jul 2000 – : Professor of Physics, University of California, Berkeley

Jul 2004 – : MacAdams Professor of Physics, University of California, Berkeley

Oct 2007 – : Director, Kavli Institute for the Physics and Mathematics of the Universe
: University of Tokyo

Feb 2016 – : Core Faculty, Center for Japanese Studies, University of California, Berkeley

Jan 2016 – : Visiting Scientist, CERN

AWARDS AND HONORS

2002 Oct 31 : Nishinomiya Yukawa Commemoration Prize in Theoretical Physics

2003 Fall : Fellow of American Physical Society

Aug 2003 – Jun 2004 : Member, School of Natural Sciences, Institute for Advanced Study, Princeton

2004– : MacAdams Professor

2005 : Miller Professor

2008– : Member of Science Council of Japan

2012 : “Passion without borders” designation by Japanese Cabinet Office

2013– : Member of American Academy of Arts and Sciences

2016 : Breakthrough Prize in Fundamental Physics, as a member of the KamLAND collaboration

PROFESSIONAL ACTIVITIES

- Particle Data Group, responsible on the sections “Axions and Other Very Light Bosons,” “Supersymmetric Particle Searches,” and “Neutrino Oscillation”
- DOE/NSF High Energy Physics Advisory Panel (HEPAP) Subpanel on Long Range Planning for U.S. High Energy Physics (2001–2002)
- National Research Council Neutrino Facilities Assessment Committee (2002)

- Fermilab Physics Advisory Committee (2002–2006)
- KEK Lepton Collider Physics Advisory Committee (2003–2006)
- American Physical Society, Division of Particles and Fields, Executive Committee and Education and Outreach Committee (Chair), (2002–2006)
- DOE/NSF High Energy Physics Advisory Panel (HEPAP) Quantum Universe Committee, Discovering the Quantum Universe Subpanel
- Council Member, Physics working group in International scoping study of a future Neutrino Factory and super-beam facility (2005–2006)
- SLAC Policy Committee (2007–2012)
- EUROnu International Advisory Committee (2009–2011)
- CERN Scientific Policy Committee (2010–2015)
- MIT Dean’s review committee on LNS (2011–)
- Linear Collider Directorate Deputy Director (2013–2016)
- High-Energy Physics Advisory Panel (HEPAP) (2014–) to DOE and NSF
- Chinese Electron Positron Collider International Advisory Board (2015–)
- Numerous advisory and organizing committees for international conferences

SELECTED PUBLICATIONS (citation counts by INSPIRE on March 14, 2017)

- “Gauge theories on an interval: Unitarity without a Higgs.” Csaba Csaki, Christophe Grojean, Hitoshi Murayama, Luigi Pilo, John Terning, *Phys. Rev.* **D69** (2004) 055006 (492 citations)
- “First results from KamLAND: Evidence for reactor anti-neutrino disappearance.” KamLAND Collaboration (K. Eguchi (Tohoku U.) et al.) *Phys. Rev. Lett.* **90** (2003) 021802 (2553 citations)
- “Neutrino mass anarchy.” L. J. Hall, H. Murayama and N. Weiner, *Phys. Rev. Lett.* **84** (2000) 2572 (266 citations)
- “Gaugino mass without singlets.” Gian F. Giudice, Markus A. Luty, Hitoshi Murayama, Riccardo Rattazzi, *JHEP*, **9812** (1998) 027 (1268 citations)
- “Nucleon decay in the minimal supersymmetric SU(5) grand unification.” J. Hisano, H. Murayama, T. Yanagida, *Nucl. Phys.* **B402** (1993) 46-84 (418 citations)
- “Cosmological constraints on the light stable gravitino.” T. Moroi, H. Murayama, Masahiro Yamaguchi, *Phys. Lett.* **B303** (1993) 289-294 (461 citations)

SELECTED RECENT PRESENTATIONS

- “Future Experimental Programs,” Nobel Symposium on LHC results, Krusenberg, Sweden, sponsored by Nobel Foundation, May 2013
- “The View Ahead,” Invited concluding talk at Lepton Photon 2013, San Francisco, USA, Jun 2013
- “Value of Basic Science and Globalization,” invited presentation at Japanese Council for Science and Technology Policy chaired by Prime Minister Shinzo Abe, Dec 2013.
- “Science for peace and development today and tomorrow,” Invited keynote presentation, CERN 60 years of Science for Peace and Development, United Nation Headquarters, New York, Oct 2014 <http://www.ipmu.jp/en/node/2050>