

Chris Quigg

A. Personal

1. Born 15 December 1944; Citizenship: USA

B. Education

1. Yale University B.S., Physics, 1966, magna cum laude with honors with exceptional distinction in physics.
2. University of California, Berkeley Ph.D., Physics, 1970. advisor, J. D. Jackson.

C. Honors and Awards

1. J. J. Sakurai Prize of the American Physical Society, 2011.
2. Alexander von Humboldt Foundation Senior Scientist Award, 2007–2012.
3. Fellow of the American Association for the Advancement of Science, 1992.
4. Scholar-in-Residence, Bellagio Study and Conference Center, 1990.
5. Fellow of the American Physical Society, 1983.
6. Alfred P. Sloan Foundation Research Fellowship, 1974–1978.
7. University of California Science Fellowship, 1967–1970.
8. Woodrow Wilson Fellowship, 1966–1967.
9. De Forest Pioneers Prize (Yale University), 1966.
10. Sigma Xi, 1966.
11. Phi Beta Kappa, 1966.

D. Professional Experience

1. Fermi National Accelerator Laboratory: Physicist (Scientist III), Theoretical Physics Department, 1974–present; Department Head, 1977–1987.
2. Superconducting Super Collider Central Design Group, Berkeley: Deputy Director for Operations, 1987–1989.
3. University of Chicago (concurrent): Professor, 1982–1991; Professorial Lecturer, 1978–1982; Visiting Scholar, Enrico Fermi Institute, 1974–1978.
4. Institute for Theoretical Physics, State University of New York, Stony Brook: Associate Professor, 1974; Assistant Professor, 1971–1974; Research Associate, 1970–1971.

E. Visiting Appointments (partial list)

1. CERN (European Laboratory for Particle Physics), Geneva: Visiting Scientist, 1973, 1975, 1981, 1982, 1994, 1998–2000, 2005–2012.
2. Institut für Theoretische Elementarteilchenphysik, Technische Universität München & Arnold Sommerfeld Center for Theoretical Physics, Ludwig-Maximilians-Universität: Visiting Professor, Fall 2009, Fall 2010, Fall 2012.
3. Karlsruhe Institute of Technology: Humboldt Scholar, Spring 2008, Fall 2008, Spring 2009, Spring 2011.
4. Department of Physics, Princeton University: Visiting Professor, Spring 1997.
5. Department of Physics and Laboratory of Nuclear Studies, Cornell University: Visiting Professor, Spring 1995.
6. University of Vienna: Erwin Schrödinger Gastprofessur, 1991.
7. École Normale Supérieure, Paris: Visiting Professor, 1981–1982.

F. Professional Service (partial list)

1. American Institute of Physics John T. Tate Medal for International Leadership in Physics Award Committee (Chair), 2011.
2. Discovery Centre, University of Copenhagen: International Advisory Committee, 2010–present.
3. Tsinghua University (Beijing) High-Energy Physics Center: International Advisory Committee (Chair), 2008–present.
4. *Annual Review of Nuclear and Particle Science*: Editor, 1994–2004; Member, Editorial Committee, 1990–1993.
5. *Reviews of Modern Physics*: Associate Editor for high-energy physics, particles, and fields, 1981–1993.
6. *Physical Review Letters*: Divisional Associate Editor for Particles and Fields, 1980–83.
7. Division of Particles and Fields of the American Physical Society: Chair line, 1999–2002; Chair, Snowmass 2001 organizing committee.
8. American Physical Society: numerous.
9. Illinois Mathematics and Science Academy: Board of Trustees, 2001–2007.
10. High Energy Physics Advisory Panel: 2001–2002; plus several subpanels.
11. Brookhaven, Fermilab, and SLAC Program Advisory Committees, past service.

G. Selected Publications

1. “Unanswered Questions in the Electroweak Theory,” *Annual Review of Nuclear and Particle Science* **59**, 505–555 (2009),
2. “*Gedanken* Worlds without Higgs Fields: QCD-induced Electroweak Symmetry Breaking,” with Robert Shrock, *Physical Review D***79**, 096002 (2009)
3. “Charmonium levels near threshold and the narrow state $X(3872) \rightarrow \pi^+\pi^-J/\psi$,” with E. J. Eichten and K. Lane, *Physical Review D***69**, 094019 (2004).
4. “Neutrino Interactions at Ultrahigh Energies,” with Raj Gandhi, Mary Hall Reno, and Ina Sarcevic, *Physical Review D***58**, 093009 (1998).
5. “Mesons with Beauty and Charm: Spectroscopy” (with Estia J. Eichten), *Physical Review D***49**, 5845 (1994).
6. “Search for Supersymmetric Particles in Hadron–Hadron Collisions” (with S. Dawson and E. Eichten), *Physical Review D***31**, 1581 (1985)
7. “Supercollider Physics” (with E. Eichten, I. Hinchliffe, and K. Lane), *Reviews of Modern Physics* **56**, 579 (1984).
8. “Quantum Mechanics with Applications to Quarkonium” (with J. L. Rosner), *Physics Reports* **56**, 167 (1979).
9. “Weak Interactions at Very High Energies: The Role of the Higgs Boson Mass” (with B. W. Lee and H. B. Thacker), *Physical Review D***16**, 1519 (1977).
10. “Production and Detection of Intermediate Vector Bosons and Heavy Leptons in $p\bar{p}$ and $p\bar{p}$ Collisions,” *Reviews of Modern Physics* **49**, 297 (1977).