

Curriculum Vita

Gregory Kilcup

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Electronic Address		kilcup@physics.ohio-state.edu
Citizenship		U.S.
Born		8 September 1959
Degrees	1981	Yale University (<i>summa cum laude</i>) B.S. in Physics B.S. in Mathematics M.S. in Physics
	1986	Harvard University Ph.D. in Physics Thesis advisor: Howard Georgi Thesis title: "Random Topics in Lattice Gauge Theory"
Fellowships & Awards	1981-1984 1991-1996 1991-1996	National Science Foundation graduate fellow NSF Presidential Young Investigator DOE Outstanding Junior Investigator
Employment	1996- 1990-6 1987-1990 1986-7 1982-1986 1983-1986 1981 1980	Associate Professor, Ohio State University Assistant Professor, Ohio State University Research Assistant Professor, Brown University Postdoctoral Associate, Cornell University Resident Tutor in Physics, Mathematics and Music, Eliot House, Harvard University Teaching Fellow in Physics and in Mathematics, Harvard University Summer Student, CERN Summer Student, Brookhaven

Selected Journal Articles

1. G. Kilcup and S. R. Sharpe, "A Tool Kit for Staggered Fermions" *Nucl. Phys.* **B283** (1987) 493.
2. S. R. Sharpe, G. Kilcup *et al.*, "Weak Interaction Matrix Elements with Staggered Fermions I: Theory and a Trial Run" *Nucl. Phys.* **B286** (1987) 253.
3. S. R. Sharpe, G. Kilcup *et al.*, " ϵ'/ϵ from the Lattice" *Phys. Lett.* **192B** (1987) 149.
4. G. Kilcup *et al.*, "Lattice Calculation of the Kaon B Parameter" *Phys. Rev. Lett.* **64** (1990) 25.
5. S. Sharpe, G. Kilcup and R. Gupta, "Lattice Calculation of the $I = 2$ Pion Scattering Length", *Nucl. Phys.* **B393** (1992) 309.
6. R. Gupta, G. Kilcup *et al.*, "The Kaon B Parameter with Wilson Fermions", *Phys. Rev.* **D47** (1993) 5113.
7. G. Kilcup, "Effect of Quenching on the Kaon B Parameter," *Phys. Rev. Lett.* **71** (1993) 1677.
8. G. Kilcup, R. Gupta and S. Sharpe, "Staggered Fermion Matrix Elements Using Smeared Operators," *Phys. Rev.* **D57** (1998) 1654.
9. L. Venkataraman and G. Kilcup, "The Eta-prime with Staggered Fermions," hep-lat/9711006, *Phys. Rev.* **D**.
10. D. Pekurovsky and G. Kilcup, "Lattice calculation of matrix elements relevant for Delta I=1/2 rule and epsilon-prime from Lattice QCD with staggered fermions," *Phys. Rev.* **D64** (2001) 074502
11. D. Nelson, G. Fleming and G. Kilcup "Is strong CP invariance due to a massless up quark?" *Phys. Rev. Lett.* **90** (2003) 021601
12. W. Lee, T. Bhattacharya, G. Fleming, R. Gupta, G. Kilcup and S. Sharpe, "Testing improved staggered fermions with m_s and B_K " *Phys. Rev.* **D** (2005)

Books edited

1. *Phenomenology and Lattice QCD*, ed. G. Kilcup and S. Sharpe (World Scientific, 1996)

Service

Member of Energy Research Supercomputer Users Group Executive Committee, 1997-2000
NERSC supercomputer allocation committee 1995-8
NSF supercomputer allocation committees (AAB, NRAC, MRAC) 2002-2005
Chair, OSC Statewide Users Group, 2000-2003
Member, Steering Committee of the QCD Teraflop Collaboration 2000-2005