

Professor Kalyana T. (KT) Mahanthappa, Department of Physics, University of Colorado, 390 UCB, Boulder, CO 80309, 303-492-8780, ktm@pizero.colorado.edu

Biographical Sketch

Education

1961 Ph.D. in Physics, Harvard University, Cambridge, MA
1956 M.Sc. in Physics, Delhi University, Delhi (India)
1954 B.Sc(Hons). in Physics, Mysore University, Bangalore (India)

Academic Appointments

1970–present: Professor, University of Colorado, Boulder, Colorado
1966–1970: Associate Professor, University of Colorado, Boulder, Colorado
1963–1966: Assistant Professor, University of Pennsylvania, Philadelphia, PA
1964–1965: Member & Institute Fellow, Institute for Advanced Study, Princeton, NJ
1961–1963: Research Associate, University of California, Los Angeles, CA

Honors and Awards

1969: Fellow, American Physical Society
1959–1961: Fellow of Faculty of Arts & Sciences, Harvard University
1964–1965: Institute Fellow, Institute for Advanced Study, Princeton, NJ
1983–1984: Senior Visiting Research Fellow of SERC of U.K. at Imperial College, London
1970–1971, 1976–1977, 1983–1984, 1993–1994: Faculty Fellowship (University of Colorado)
2004: BFA Excellence in Research Award (given by BFA of University of Colorado at Boulder)

Selected Publications

My publications during the past three years including the ones in refereed journals and conference proceedings are listed below. One of them is an invited review paper.. I gave one invited plenary talk at PASCOS 2004; several invited talks were also given.

1. M.-C. Chen and K.T. Mahanthappa, *Symmetric Textures in $SO(10)$ and LMA Solutions for Solar Neutrinos*, Phys. Rev. **D68** (2003) 017301
2. M.-C. Chen and K.T. Mahanthappa, *Fermion Masses and Mixing and CP Violation in $SO(10)$ Models with Family Symmetries—A Review* in Int. J. Mod. Phys. **A18** (2003) 5819-5888 .
3. M.-C. Chen and K.T. Mahanthappa, *Lepton Flavor Violating Decays and Soft Leptogenesis in a Supersymmetric $SO(10)$ Model*, Phys. Rev. **D70** (2004) 113013-1-11

4. M.-C. Chen and K.T. Mahanthappa, *Relating Leptogenesis to Low Energy Flavor Violating Observables in Models with Spontaneous CP Violation*, Phys. Rev. **D71** (2005) 035001
5. M.-C. Chen and K.T. Mahanthappa, *Symmetric Textures in $SO(10)$ and LMA Solutions*, invited talk in the Proceedings of Tenth Marcel Grossmann Meeting on General Relativity and Relativistic Field Theories, Rio de Janeiro (Brazil), July 20-26, 2003 (World Scientific, 2006)
6. M.-C. Chen and K.T. Mahanthappa, *Symmetric Textures In $SO(10)$ and LMA Solutions for Neutrinos*, invited talk in the Proceedings of the Conference on Intersection of Nuclear and Particle Physics (CIPANP 21003), New York, NY, May 19 - 24, 2003, AIP Conf. Proc. **698**,222, 2004
7. M.-C. Chen and K.T. Mahanthappa, *An Overview of Neutrino Masses and Mixing in $SO(10)$ Models*, invited talk in the Proceedings of the 5th Workshop on Neutrino Factories and Superbeams (NuFact030), Columbia University, New York, June 2003, AIP Conf. Proc. **721**,269, 2004
8. M.-C. Chen and K.T. Mahanthappa, *Symmetric Textures in $SO(10)$ and Neutrino Masses*, invited plenary talk in the Proceedings of PASCOS 2004, August 16 -22, 2004, Boston, MA, *Particles, Strings and Cosmology*, World Scientific (2005), 202 - 211.
9. M.-C. Chen and K.T. Mahanthappa, *Symmetric Textures in $SO(10)$ and Neutrino Masses*, invited talk in the Proceedings of SUSY 2004, June 17 - 23, 2004, Tsukuba, Japan, *Supersymmetry and Unification of Fundamental Interactions*, World Scientific (2005), 761
10. M.-C. Chen and K.T. Mahanthappa, *$SO(10)$ GUTs, Neutrinos and LFV*, talk in the Proceedings of the 2004 Division of Particles and Fields Conference (Riverside, CA), Int. J. Mod. Phys. **A20**, 3118, 2005