

Associate Professor Attendant Rank Stephen R. Wagner

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Biographical Sketch

Education

1979–1983: Ph.D. in Physics, Johns Hopkins University, Baltimore, MD

1976–1979: M.A. in Physics, Johns Hopkins University, Baltimore, MD

1971–1975: B.S. in Physics, University of Arizona, Tucson, AZ

Academic Appointments

2005–present: Associate Professor Attendant Rank, University of Colorado, Boulder, CO

1989–2005: Staff Physicist, Research Division, Stanford Linear Accel. Center, Stanford, CA

1985–1989: Research Associate, University of Colorado, Boulder, CO

1983–1985: Research Associate, University of Maryland, College Park, MD

Selected Peer Reviewed Publications

In addition to Experimental Particle Physics, Wagner has a long-standing interest in beam and diagnostic issues at Linear Colliders. Below are some of the important papers he has authored or co-authored over his career.

1. B. Aubert *et al.* (BaBar Collaboration), *Branching Fraction and CP Asymmetries of $B^0 \rightarrow K_s^0 K_s^0 K_s^0$* , Phys. Rev. Lett. **95** (2005) 052001, <http://arxiv.org/abs/hep-ex/0502013>.
2. B. Aubert *et al.* (BaBar Collaboration), *The BaBar Detector*, Nucl. Instrum. Meth. **A 479** (2002) 1, <http://arxiv.org/abs/hep-ex/0105044>.
3. G. Bowden, P. Holik, S. R. Wagner, G. Heimlinger and R. Settles, *Precision magnet movers for the final focus test beam*, Nucl. Instrum. Meth. **A 368** (1996) 579.
4. K. Abe *et al.* (SLD Collaboration), *Measurement of the left-right forward-backward asymmetry for charm quarks with D^{*+} and D^+ mesons*, Phys. Rev. Lett. **75** (1995) 3609.
5. R. Jacobsen *et al.* (Mark II Collaboration), *Measurement of the $b\bar{b}$ Fraction In Hadronic Z^0 Decays with Precision Vertex Detectors*, Phys. Rev. Lett. **67** (1991) 3347.
6. S. R. Wagner *et al.* (Mark II Collaboration), *Measurement of the B^0 Meson Lifetime*, Phys. Rev. Lett. **64** (1990) 1095.
7. P. Bambade, R. Erickson, W. A. Koska, W. Kozanecki, N. Phinney and S. R. Wagner, *Observation of Beam-Beam Deflections at the Interaction Point of the SLAC Linear Collider*, Phys. Rev. Lett. **62** (1989) 2949.

Recent Conference Talks

1. “Tracking and Vertexing at CMS,” invited talk at the Hadron Collider Physics Symposium 2006, Duke University, Durham, NC May 22-26, 2006.
2. “Measurement of $\sin 2\beta_{eff}$ in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$, $K^+ K^- K_S^0$, $\pi^0 K_S^0$, and ωK_S^0 ,” invited talk at the CKM 2005 Workshop, UCSD, San Diego, CA March 15-18, 2005.
3. “Pattern Recognition Studies for a Silicon Outer Tracker,” parallel talk at the 2004 International Conference on Linear Colliders, Paris, France April 19-23, 2004.
4. “Measurement of $\sin 2\beta$ at BaBar,” invited talk at the 2002 Aspen Winter Conference on Particle Physics, Aspen, CO, February 4-9, 2002.