

Professor John P. Cumalat, Department of Physics, University of Colorado
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Biographical Sketch

Education

1971–1977: Ph.D. in Physics, University of California, Santa Barbara

1970–1971: M.A. in Physics, University of California, Santa Barbara

1967–1970: B.A. in Physics, University of California, Santa Barbara

Academic Appointments

1991–present: Professor, University of Colorado, Boulder, Colorado

1985–1991: Associate Professor, University of Colorado, Boulder, Colorado

1981–1985: Assistant Professor, University of Colorado, Boulder, Colorado

1979–1981: Robert R. Wilson Fellow, Fermi National Accelerator Laboratory

1977–1979: Research Associate, Fermi National Accelerator Laboratory

Honors and Awards

1992: Fellow, American Physical Society

1982: Outstanding Junior Investigator, Department of Energy

Selected Peer Reviewed Publications

During the past three years (since May 2003) I have been an author on 30 FOCUS publications. The publications listed below represent papers published in the last three years for which I played a significant role.

1. J.M. Link *et al.* (FOCUS Collaboration), *Search for T violation in charm meson decays*, Phys. Lett. **B622** (2005) 239-248, <http://arxiv.org/abs/hep-ex/0506012>.
2. J.M. Link *et al.* (FOCUS Collaboration), *Hadronic mass spectrum analysis of $D^+ \rightarrow K^- \pi^+ \mu^+ \nu$ decay and measurement of the $K^*(892)^0$ mass and width*, Phys. Lett. **B621** (2005) 72–80, <http://arxiv.org/abs/hep-ex/0503043>.
3. J.M. Link *et al.* (FOCUS Collaboration), *Measurement of the q^2 dependence of the $D^0 \rightarrow K^- \mu^+ \nu$ and $D^0 \rightarrow \pi^- \mu^+ \nu$ form factors*, Phys. Lett. **B607** (2005) 233-242, <http://arxiv.org/abs/hep-ex/0410037>.
4. J.M. Link *et al.* (FOCUS Collaboration), *Analysis of the semileptonic decay $D^0 \rightarrow \bar{K}^0 \pi^- \mu^+ \nu$* , Phys. Lett. **B607** (2005) 67-77, <http://arxiv.org/abs/hep-ex/0410067>.

5. J.M. Link *et al.* (FOCUS Collaboration), *A Study of $D^0 \rightarrow K_S^0 K_S^0 X$ decay channels*, Phys. Lett. **B607** (2005) 59-66, <http://arxiv.org/abs/hep-ex/0410077>.
6. J.M. Link *et al.* (FOCUS Collaboration), *Measurement of the branching ratio of the decay $D^0 \rightarrow \pi^- \mu^+ \nu$ relative to $D^0 \rightarrow K^- \mu^+ \nu$* , Phys. Lett. **B607** (2005) 51-58, <http://arxiv.org/abs/hep-ex/0410068>.
7. J.M. Link *et al.* (FOCUS Collaboration), *The target silicon detector for the FOCUS spectrometer*, Nucl. Instrum. Meth. **A 516** (2004) 364-376, <http://arxiv.org/abs/hep-ex/0208034>.
8. J.M. Link *et al.* (FOCUS Collaboration), *Measurement of the ratio of the vector to the pseudoscalar charm semileptonic decay rate $\frac{\Gamma(\bar{K}^{*0} \mu^+ \nu)}{\Gamma(\bar{K}^0 \mu^+ \nu)}$* , Phys. Lett. **B598** (2004) 33-41, <http://arxiv.org/abs/hep-ex/0406060>
9. J.M. Link *et al.* (FOCUS Collaboration), *Study of hadronic five body decays of charm mesons involving K_S^0* , Phys. Lett. **B586** (2004) 191-197, <http://arxiv.org/abs/hep-ex/0310051>
10. J.M. Link *et al.* (FOCUS Collaboration), *Measurement of masses and widths of excited charm mesons D_2^* and Evidence for Broad States*, Phys. Lett. **B586** (2004) 11-20, <http://arxiv.org/abs/hep-ex/0312060>
11. J.M. Link *et al.* (FOCUS Collaboration), *Measurement of Ξ_c^+ branching ratios.*, Phys. Lett. **B571** (2003) 139-147, <http://arxiv.org/abs/hep-ex/0305038>
12. J.M. Link *et al.* (FOCUS Collaboration), *Measurement of Ω_c^0 lifetime.*, Phys. Lett. **B561** (2003) 41-48, <http://arxiv.org/abs/hep-ex/0302033>
13. J.M. Link *et al.* (FOCUS Collaboration), *Study of hadronic five-body decays of charm mesons*, Phys. Lett. **B561** (2003) 225-232, <http://arxiv.org/abs/hep-ex/0211056>

Conference Talks

1. "Review of Baryon Spectroscopy" plenary talk at the 11th International Conference on Hadron Spectroscopy, Rio de Janeiro, Brazil August 21-26 2005.
2. "Recent Results from the FOCUS Collaboration", parallel talk at the 11th International Conference on Hadron Spectroscopy, Rio de Janeiro, Brazil August 21-26 2005.
3. "Charm Meson Decays from the FOCUS Collaboration", parallel talk at the 2004 Meeting of the Division of Particles and Fields of the American Physical Society, University of California, Riverside, CA – August 2004. Proceedings in: Int. J. Mod. Phys. **A20** (2005) 3745.
4. "Heavy Flavor Decays", invited speaker at the June 2004 Annual Users Meeting at Fermilab.