

## M. Scott Funkhouser

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### Education:

- Ph.D. from the University of California, Berkeley, October 2000
- Master of Science from Yale University, May 1994
- Bachelor of Science from the University of Virginia, May 1992, *Magna Cum Laude*

### Experience:

- Visiting Assistant Professor*, Department of Physics, the Citadel (Fall 2006 – Spring 2008)
- Adjunct Professor*, Department of Physics, Occidental College (Spring 2003 – Spring 2005)
- Research scientist* with the DRIFT dark matter search, Occidental College (2003)
- Visiting Lecturer* for astrobiology course, Sonoma State University (Fall 2002)
- Post-doctoral Researcher*, Cryogenic Dark Matter Search, UC Berkeley Center for Particle Astrophysics (10/2000 – 12/2002)
- Host of the Science/Health Forums*, New York Times online (10/99 – 12/2001)
- Research Assistant*, Accelerator Fusion Research Division of Lawrence Berkeley National Lab (1/1997 – 10/2000)

### Selected Publications:

- S. Funkhouser, *A new large number coincidence and a scaling law for the cosmological constant*, Proc. R. Soc. A (2008) **464**, 1345-1353
- S. Funkhouser, *Scaling law for the cosmological constant from quantum cosmology with seven extra dimensions*, to appear in IJTP (accepted Jan2008), DOI:10.1007/s10773-008-9693-2
- S. Funkhouser, *The Large Number Coincidence, the Cosmic Coincidence and the Critical Acceleration*, Proc. Roy. Soc. A **462** (2006) 2076
- CDMS Collaboration, *Limits on spin-dependent WIMP-nucleon interactions from the Cryogenic Dark Matter Search*, Phys. Rev. D **73**, 011102(R) (2006)
- S. Funkhouser, *Testing MOND with VIRGOHI21*, Mon. Not. R. Astron. Soc. **364**, 237 (2005)
- CDMS Collaboration, *Exclusion Limits on the WIMP-Nucleon Cross-Section from the First Run of the Cryogenic Dark Matter Search in the Soudan Underground Lab*, Phys. Rev. D **72** (2005) 052009
- B. Morgan, N.J.C. Spooner, S. Funkhouser, D.H.H. Hoffmann, J. Jacoby, D.P. Snowden-Ifft, K. Zioutas, *Searches for solar Kaluza-Klein axions with gas TPCs*, Astroparticle Physics, Vol.**23**, No.3, 287-302, (2005)
- CDMS collaboration, *First results from the Cryogenic Dark Matter Search in the Soudan Underground Laboratory*, Phys.Rev.Lett. **93** (2004) 211301
- S. Funkhouser, *A deeper significance to the Betz effective charge formula*, Phys. Let. A, **299** No.4 pp.377-382 (2002)
- S. Funkhouser, *A universal ionic valence velocity scaling*, Phys Rev A Dec2001, **64** No.6 pp064502/1-4
- D. Mueller et al., *Multiple electron stripping of 3.4MeV/amu Kr+7 and Xe+11 in nitrogen*, Physics of Plasmas May, 2001, **8** No.5, pp. 1753-6