

CURRICULUM VITAE

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PROFFESIONAL APPOINTMENTS

2011 UC Santa Cruz, Astronomy and Astrophysics Department
Postdoctoral Scholar

EDUCATION

June 2011 UC Santa Cruz Santa Cruz, CA, USA
Doctor of Philosophy
Astronomy and Astrophysics

June 2006 Stanford University Palo Alto, CA, USA
Master of Science
Scientific Computing and Computational Mathematics

May 2004 Pennsylvania State University State College, PA, USA
Bachelor of Science, Astronomy and Astrophysics
and Bachelor of Science, Mathematics with Minor
in Physics, Honors, and High Distinction

AWARDS AND HONORS

2010 – 2011 Chancellor's Dissertation-Year Fellowship, *UC Santa Cruz*
2008 Whitford Prize for Outstanding Performance in the First Two Years of the PhD,
UC Santa Cruz Astronomy and Astrophysics Department

2007 – 2010 National Science Foundation Graduate Research Fellow

2007 – 2009 Regent's Fellow, *UC Santa Cruz*

2004 Marshal Award for Outstanding Senior Astronomy and Astrophysics Major,
Penn State Astronomy and Astrophysics Department

2003 & 2004 Evan Johnson Award for Outstanding Performance in the Mathematics Major,
Penn State Mathematics Department

2003 Evan Pugh Scholar Award (Senior) for Ranking in the Top 0.5% of a Graduating
Class of ~7,000, *Penn State*

2003 Kermit C. Anderson Scholarship for Outstanding Performance in the
Mathematics Major, *Penn State Mathematics Department*

2003 Elected to ΦBK

2000 National Merit Scholar

PROFFESIONAL SERVICE

- 2011 – Referee/panelist for: ApJ, NASA, and NSF
2011 Graduate Representative, UCSC Astronomy and Astrophysics Department
PhD Admissions Committee
- 2010 – 2011 Co-Organizer, UCSC Astronomy and Astrophysics Department Friday
Lunch Astronomy Seminar Hour
- 2009 – 2010 Organizer, UCSC Astronomy and Astrophysics Department Summer Friday
Lunch Astronomy Seminar Hour
- 2008 – 2010 Graduate Representative, Academic Senate's Committee on Planning and Budget
2008 – 2009 Organizer, UCSC Astronomy and Astrophysics Department Tuesday
Astronomy Lunch Kaleidoscope Series
- 2008 – 2009 Chair, Graduate Student Health Insurance Committee
- 2008 – 2009 Graduate Representative, UCSC Astronomy and Astrophysics Department
Graduate Curriculum Overhaul Committee
- 2008 – 2009 Graduate Representative, Search Committee for the Director of Student Health
Services
- 2007 Co-Organizer, UCSC Astronomy and Astrophysics Prospective Graduate Student
Visit

TEACHING AND COMMUNITY SERVICE

- 2008 – 2011 Science Speaker, Lick Observatory Summer Visitors Program
10/2008 Guest Science News Briefing for the UCSC Science Communication Graduate
Program
- 9/2006 – 12/2006 Teaching Assistant, *UC Santa Cruz Astronomy and Astrophysics Department*
- 8/2006 & 8/2005 Organizer, Kavli Institute for Particle Astrophysics and Cosmology contribution
to Stanford Linear Accelerator Center Kid's Day
- 6/2004 – 8/2004 Algebra Tutor, *Livermore Native American Center*

REFEREED PUBLICATIONS

23. **Schlaufman, K.C.**, Rockosi, C.M., Lee, Y.S., Beers, T.C., Allende Prieto, C., Rashkov, V., Madau, P., Bizyaev, D. 2011, “Insight Into the Formation of the Milky Way Through Cold Halo Substructure. III. Statistical Chemical Tagging in the Smooth Halo”, *Astrophysical Journal*, submitted
22. **Schlaufman, K.C.**, & Laughlin, G. 2011, “*Kepler* Exoplanet Candidate Host Stars Are Preferentially Metal Rich”, *Astrophysical Journal*, 738, 177
21. **Schlaufman, K.C.**, Rockosi, C.M., Lee, Y.S., Beers, T.C., & Allende Prieto, C. 2011, “Insight Into the Formation of the Milky Way Through Cold Halo Substructure. II. The Elemental Abundances of ECHOS”, *Astrophysical Journal*, 734, 49

20. **Schlaufman, K.C.**, Lin, D.N.C., & Ida, S. 2010, “A Population of Very Hot Super-Earths in Multiple-Planet Systems Should be Uncovered by *Kepler*”, *Astrophysical Journal Letters*, 724, L53
19. **Schlaufman, K.C.**, & Laughlin, G. 2010, “A Physically-Motivated Photometric Calibration of M Dwarf Metallicity”, *Astronomy & Astrophysics*, 519, A105
18. **Schlaufman, K.C.**, 2010, “Evidence of Possible Spin-Orbit Misalignment Along the Line of Sight in Transiting Exoplanet Systems”, *Astrophysical Journal*, 719, 602
17. **Schlaufman, K.C.**, et al. 2009, “Insight Into the Formation of the Milky Way Through Cold Halo Substructure. I. The ECHOS of Milky Way Formation”, *Astrophysical Journal*, 703, 2177
16. **Schlaufman, K.C.**, Lin, D.N.C., & Ida, S. 2009, “The Signature of the Ice Line and Slow Type I Migration in the Observed Exoplanet Mass-Semimajor Axis Distribution”, *Astrophysical Journal*, 691, 1321
15. Abbott et al. 2006, “Joint LIGO and TAMA200 Search for Gravitational Waves from Inspiralling Neutron Star Binaries”, *Physical Review D*, 73, 102002
14. Abbott et al. 2006, “Search for Gravitational Waves from Binary Black Hole Inspirals in LIGO Data”, 2006, *Physical Review D*, 73, 062001
13. Abbott et al. 2005, “Upper Limits from the LIGO and TAMA Detectors on the Rate of Gravitational-wave Bursts”, *Physical Review D*, 72, 102004
12. Abbott et al. 2005, “First All-sky Upper Limits from LIGO on the Strength of Periodic Gravitational Waves using the Hough Transform”, *Physical Review D*, 72, 102004
11. Abbott et al. 2005, “Search for Gravitational Waves from Primordial Black Hole Binary Coalescences in the Galactic Halo”, *Physical Review D*, 72, 082002
10. Abbott et al. 2005, “Search for Gravitational Waves from Galactic and Extra-galactic Binary Neutron Stars”, *Physical Review D*, 72, 082001
9. Abbott et al. 2005, “Upper Limits on Gravitational Wave Bursts in LIGO's Second Science Run”, *Physical Review D*, 72, 062001
8. Abbott et al. 2005, “Search for Gravitational Waves Associated with the Gamma Ray Burst GRB030329 Using the LIGO Detectors”, *Physical Review D*, 72, 042001
7. Abbott et al. 2005, “Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data”, *Physical Review Letters*, 94, 181103
6. Abbott et al. 2004, “Analysis of First LIGO Science Data for Stochastic Gravitational Waves”, *Physical Review D*, 69, 122004

5. Abbott et al. 2004, "Analysis of LIGO Data for Gravitational Waves from Binary Neutron Stars", *Physical Review D*, 69, 122001
4. Abbott et al. 2004, "First Upper Limits from LIGO on Gravitational Wave Bursts", *Physical Review D*, 69, 102001
3. Abbott et al. 2004, "Setting Upper Limits on the Strength of Periodic Gravitational Waves from PSR J1939+2134 Using the First Science Data from the GEO 600 and LIGO Detectors", *Physical Review D*, 69, 082004
2. Abbott et al. 2004, "Upper Limits on the Strength of Periodic Gravitational Waves from PSR J1939+2134", *Classical and Quantum Gravity*, 21, 671
1. Abbott et al. 2004, "Detector Description and Performance for the First Coincidence Observations Between LIGO and GEO", *Nuclear Instruments and Methods in Physics Research A*, 517, 154