

Curriculum Vitae
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Education

May 1993 B. A. in Astronomy, University of Texas at Austin
May 1993 B. S. in Physics, University of Texas at Austin
June 1993 Vatican Observatory Summer School, Castel Gandolfo, Italy
August 1998 PhD in Astronomy, University of Arizona

Employment

1993-1995 Teaching Assistant, Dept. of Astronomy, University of Arizona
1995-1998 Research Assistant, Dept. of Astronomy, University of Arizona
1998-2002 CfA Fellow, Harvard-Smithsonian Center for Astrophysics
2002-2005 Astrophysicist, Smithsonian Astrophysical Observatory
2005- Assistant Professor, Dept. of Astronomy & Astrophysics
The Pennsylvania State University

Committees

2000-2002 NASA Origins of the Solar System Review Panel
2001-2004 NASA IRTF Telescope Allocation Committee
2005 NASA Hubble Space Telescope Review Panel
2005 NASA Spitzer Space Telescope Review Panel
2005-2007 NOAO Telescope Allocation Committee
2006 NSF AURA Management Review Panel
2006, 2008 NSF Division of Astronomical Sciences Review Panel

Grants Supervised as Principal Investigator

2000 NASA Hubble Space Telescope (Cycle 9)
Newborn Planets and Brown Dwarf Companions in IC 348 (\$61K)
2002-2006 NASA Long Term Space Astrophysics
Characterizing the Formation Process of Brown Dwarfs (\$515K)
2003B NASA Keck PI Data Analysis Fund
Searching for the Bottom of the Initial Mass Function (\$16K)
2004 NASA Hubble Space Telescope (Cycle 13)
Searching for the Bottom of the Initial Mass Function (\$84K)
2004 NASA Keck PI Data Analysis Fund
Searching for the Bottom of the Initial Mass Function (\$11K)
2005 NASA Hubble Space Telescope (Cycle 14)
An Edge-on Disk Around a Brown Dwarf? (\$3.9K)
2006-2011 NSF Faculty Early Career Development Award (CAREER)
*Characterizing the Process of Planet Formation around Low-Mass Stars
and Brown Dwarfs* (\$681K)
2006 NASA Spitzer Space Telescope (Cycle 3)
A Search for Y Dwarf Companions to Nearby Stars and Brown Dwarfs (\$47.5K)
2007 NASA Hubble Space Telescope (Cycle 16)
Imaging Circumstellar Disks and Envelopes around Proto-Brown Dwarfs (\$25K)

2007 NASA Hubble Space Telescope (Cycle 16)
A Search for Disks and Planets around Brown Dwarfs in Taurus (\$74K)

2007 NASA Spitzer Space Telescope (Cycle 4)
An IRS Survey of Disks around Stars and Brown Dwarfs in Lupus (\$84K)

2008 NASA Hubble Space Telescope (Cycle 17)
Searching for the Bottom of the Initial Mass Function (\$57K)

2008 NASA Spitzer Space Telescope (Cycle 5)
A Search for Y Dwarf Companions to Nearby Stars and Brown Dwarfs (\$36K)

Refereed Publications

1. Luhman, K. L., & Rieke, G. H.
1996, *Astrophysical Journal*, 461, 298
High-Resolution Near-Infrared Spectroscopy of Hubble 12
2. Luhman, M. L., Luhman, K. L., Benedict, T., Jaffe, D. T., & Fischer, J.
1997, *Astrophysical Journal*, 480, L133
Near-Infrared Spectra of IC59/63 and NGC 1535: Comparing Infrared and Ultraviolet Observations of H₂
3. Luhman, K. L., Liebert, J., & Rieke, G. H.
1997, *Astrophysical Journal*, 489, L165
Spectroscopy of a Young Brown Dwarf in the ρ Ophiuchi Cluster
4. Biscaya, A. M., Rieke, G. H., Narayanan, G., Luhman, K. L., & Young, E.
1997, *Astrophysical Journal*, 491, 359
First Overtone CO Variability in Young Stellar Objects
5. Luhman, K. L., Briceño, C., Rieke, G. H., & Hartmann, L. W.
1998, *Astrophysical Journal*, 493, 909
A Young Star Near the Hydrogen Burning Limit
6. Luhman, K. L., & Rieke, G. H.
1998, *Astrophysical Journal*, 497, 354
The Low-Mass IMF in Young Clusters: L1495E
7. Luhman, K. L., Engelbracht, C. W., & Luhman, M. L.
1998, *Astrophysical Journal*, 499, 799
Near-IR Spectroscopy of Photodissociation Regions: The Orion Bar and Orion S Regions
8. Luhman, K. L., Rieke, G. H., Lada, C. J., & Lada, E. A.
1998, *Astrophysical Journal*, 508, 347
Low-Mass Star Formation and the Initial Mass Function in IC 348
9. Hanson, M. M., Rieke, G. H., & Luhman, K. L.
1998, *Astronomical Journal*, 116, 1915
Near-Infrared H-band Features in Late O and B Stars
10. Luhman, K. L., & Rieke, G. H.
1999, *Astrophysical Journal*, 525, 440
Low-Mass Star Formation and the Initial Mass Function in the ρ Ophiuchi Cloud Core
11. Luhman, K. L.
1999, *Astrophysical Journal*, 525, 466
Young Low-Mass Stars and Brown Dwarfs in IC 348

12. Stauffer, J. R., Barrado y Navascues, D., Bouvier, J., Morrison, H. L., Harding, P., Luhman, K. L., Terndrup, D., Allen, L., & Assouad, P.
1999, *Astrophysical Journal*, 527, 219
Keck Spectra of Brown Dwarf Candidates and a Precise Determination of the Lithium Depletion Edge in the Alpha Persei Open Cluster
13. Luhman, K. L., Rieke, G. H., Young, E. T., Cotera, A. S., Chen, H., Rieke, M. J., Schneider, G., & Thompson, R. I.
2000, *Astrophysical Journal*, 540, 1016
The Initial Mass Function of Low-Mass Stars and Brown Dwarfs in Young Clusters
14. Martin, E. L., Brandner, W., Bouvier, J., Luhman, K. L., Stauffer, J., Basri, G., & Zapatero Osorio, M. R.
2000, *Astrophysical Journal*, 543, 299
Membership and Multiplicity among Pleiades Brown Dwarf Candidates
15. Luhman, K. L.
2000, *Astrophysical Journal*, 544, 1044
The Initial Mass Function of Low-Mass Stars and Brown Dwarfs in Taurus
16. Marcy, G. W., Butler, R. P., Vogt, S. S., Liu, M. C., Laughlin, G., Apps, K., Graham, J. R., Lloyd, J., Luhman, K. L., & Jayawardhana, R.
2001, *Astrophysical Journal*, 555, 418
Two Substellar Companions Orbiting HD168443
17. Luhman, K. L.
2001, *Astrophysical Journal*, 560, 287
On the MBM12 Young Association
18. Hanson, M. M., Luhman, K. L., & Rieke, G. H.
2002, *Astrophysical Journal Supplement Series*, 138, 35
UC HII Regions in the Near-Infrared
19. Luhman, K. L., & Jayawardhana, R.
2002, *Astrophysical Journal*, 566, 1132
An Adaptive Optics Search for Companions to Stars with Planets
20. Jayawardhana, R., Luhman, K. L., D'Alessio, P., & Stauffer, J. R.
2002, *Astrophysical Journal*, 571, L51
Discovery of an Edge-On Disk in the MBM 12 Young Association
21. Briceño, C., Luhman, K. L., Hartmann, L., Stauffer, J. R., & Kirkpatrick, J. D.
2002, *Astrophysical Journal*, 580, 317
The Initial Mass Function in the Taurus Star-Forming Region

22. Luhman, K. L., Briceño, C., Stauffer, J. R., Hartmann, L., Barrado y Navascues, D., & Caldwell, N.
2003, *Astrophysical Journal*, 590, 348
New Low-Mass Members of the Taurus Star-Forming Region
23. Luhman, K. L., Stauffer, J. R., Muench, A. A., Rieke, G. H., Lada, E. A., Bouvier, J., & Lada, C. J.
2003, *Astrophysical Journal*, 593, 1093
A Census of the Young Cluster IC 348
24. Luhman, K. L.
2004, *Astrophysical Journal*, 602, 816
A Census of the Chamaeleon I Star-Forming Region
25. Luhman, K. L., & Steeghs, D.
2004, *Astrophysical Journal*, 609, 917
Spectroscopy of Candidate Members of the η Cha and MBM12 Young Associations
26. Luhman, K. L.
2004, *Astrophysical Journal*, 614, 398
The First Discovery of a Wide Binary Brown Dwarf
27. Luhman, K. L.
2004, *Astrophysical Journal*, 616, 1033
A Survey for Low-Mass Stars and Brown Dwarfs in the η Cha and ϵ Cha Young Associations
28. Luhman, K. L., Peterson, D. E., & Megeath, S. T.
2004, *Astrophysical Journal*, 617, 565
Spectroscopic Confirmation of the Least Massive Known Brown Dwarf in Chamaeleon
29. Luhman, K. L.
2004, *Astrophysical Journal*, 617, 1216
New Brown Dwarfs and an Updated Initial Mass Function in Taurus
30. Luhman, K. L., Lada, E. A., Muench, A. A., & Elston, R. J.
2005, *Astrophysical Journal*, 618, 810
FLAMINGOS Spectroscopy of New Low-Mass Members of the Young Cluster IC 348
31. Luhman, K. L., D'Alessio, P., Calvet, N., Allen, L. E., Hartmann, L., Megeath, S. T.,
Myers, P. C., & Fazio, G. G.
2005, *Astrophysical Journal*, 620, L51
Spitzer Identification of the Least Massive Known Brown Dwarf with a Circumstellar Disk
32. Furlan, E., Calvet, N., D'Alessio, P., Hartmann, L., Forrest, W. J., Watson, D. M.,
Luhman, K. L., Uchida, K. I., Green, J. D., Sargent, B., Najita, J., Sloan, G. C.,
Keller, L. D., & Herter, T. L.
2005, *Astrophysical Journal*, 621, L129
Spitzer IRS Spectra of Young Stars Near the Hydrogen Burning Mass Limit

33. Luhman, K. L., McLeod, K. K., & Goldenson, N.
2005, *Astrophysical Journal*, 623, 1141
An HST Search for Substellar Companions in the Young Cluster IC 348
34. Muzerolle, J., Luhman, K. L., Briceño, C., Hartmann, L., & Calvet, N.
2005, *Astrophysical Journal*, 625, 906
Measuring Accretion in Young Substellar Objects: Approaching the Planetary Mass Regime
35. Luhman, K. L., Stauffer, J. R., & Mamajek, E. E.
2005, *Astrophysical Journal*, 628, L69
The Age of AB Doradus
36. Hartmann, L., Megeath, S. T., Allen, L. E., Luhman, K. L., Calvet, N., D'Alessio, P., Franco-Hernandez, R., & Fazio, G.
2005, *Astrophysical Journal*, 629, 881
IRAC Observations of Taurus Pre-Main Sequence Stars
37. Luhman, K. L., Lada, C. J., Hartmann, L., Muench, A. A., Megeath, S. T., Allen, L. E., Myers, P. C., Young, E., & Fazio, G. G.
2005, *Astrophysical Journal*, 631, L69
The Disk Fractions of Brown Dwarfs in IC 348 and Chamaeleon I
38. Luhman, K. L.
2005, *Astrophysical Journal*, 633, L41
Discovery of a Wide Low-mass Binary System in Upper Scorpius
39. Megeath, S. T., Hartmann, L., Luhman, K. L., & Fazio, G. G.
2005, *Astrophysical Journal*, 634, L113
Spitzer/IRAC Photometry of the η Chamaleontis Association
40. Luhman, K. L., Adame, L., D'Alessio, P., Calvet, N., Hartmann, L., Megeath, S. T., & Fazio, G. G.
2005, *Astrophysical Journal*, 635, L93
Discovery of a Planetary-Mass Brown Dwarf with a Circumstellar Disk
41. Luhman, K. L., & Potter, D.
2006, *Astrophysical Journal*, 638, 887
Testing Theoretical Evolutionary Models with AB Dor C and the Initial Mass Function
42. Lada, C. J., Muench, A. A., Luhman, K. L., Allen, L., Hartmann, L., Megeath, T., Myers, P., Fazio, G., Wood, K., Muzerolle, J., Rieke, G., Siegler, N., & Young, E.
2006, *Astronomical Journal*, 131, 1574
Spitzer Observations of IC 348: The Disk Population at 2-3 Million Years

43. Muzerolle, J., Adame, L., D'Alessio, P., Calvet, N., Luhman, K. L., Muench, A. A., Lada, C. J., Rieke, G. H., Siegler, N., Trilling, D. E., Young, E. T., Allen, L., Hartmann, L., & Megeath, S. T. 2006, *Astrophysical Journal*, 643, 1003
24 μm Detections of Disks around Very Low-mass Stars and Brown Dwarfs in IC 348: Grain Growth/Settling and Inner Holes?
44. Luhman, K. L. 2006, *Astrophysical Journal*, 645, 676
The Spatial Distribution of Brown Dwarfs in Taurus
45. Luhman, K. L., Whitney, B. A., Meade, M. R., Babler, B. L., Indebetouw, R., Bracker, S., & Churchwell, E. B. 2006, *Astrophysical Journal*, 647, 1180
A Survey for New Members of Taurus with the Spitzer Space Telescope
46. Luhman, K. L., Wilson, J. C., Brandner, W., Skrutskie, M. F., Nelson, M. J., Smith, J. D., Peterson, E. E., Cushing, M. C., & Young, E. 2006, *Astrophysical Journal*, 649, 894
Discovery of a Young Substellar Companion in Chamaeleon
47. Bally, J., Walawender, J., Luhman, K. L., & Fazio, G. 2006, *Astronomical Journal*, 132, 1923
Deep Imaging Surveys of Star-forming Clouds. IV. The Meek and the Mighty: Outflows from Young Stars in Chamaeleon I
48. Patten, B. M., Stauffer, J. R., Burrows, A., Marengo, M., Hora, J. L., Luhman, K. L., Sonnett, S. M., Henry, T. J., Raghavan, D., Megeath, S. T., Liebert, J. & Fazio, G. G. 2006, *Astrophysical Journal*, 651, 502
Spitzer/IRAC Photometry of M, L, and T Dwarfs
49. Luhman, K. L., Joergens, V., Lada, C., Muzerolle, J., Pascucci, I., & White, R. 2007, *Protostars and Planets V*, B Reipurth, D. Jewitt, and K. Keil (eds.), University of Arizona Press, Tucson, 443
The Formation of Brown Dwarfs: Observations
50. Luhman, K. L., Patten, B. M., Marengo, M., Schuster, M. T., Hora, J. L., Ellis, R. G., Stauffer, J. R., Sonnett, S. M., Winston, E., Gutermuth, R. A., Megeath, S. T., Backman, D. E., Henry, T. J., Werner, M. W., & Fazio, G. G. 2007, *Astrophysical Journal*, 654, 570
Discovery of Two T Dwarf Companions with the Spitzer Space Telescope
51. Allen, P. R., Luhman, K. L., Myers, P. C., Megeath, S. T., Allen, L. E., Hartmann, L., & Fazio, G. G. 2007, *Astrophysical Journal*, 655, 1095
New Low-Mass Stars and Brown Dwarfs with Disks in Lupus

52. Allers, K. N., Jaffe, D. T., Luhman, K. L., Wilson, J. C., Skrutskie, M. J. Nelson, J. D. Smith, D. E. Peterson, & M. C. Cushing
2007, *Astrophysical Journal*, 657, 511
Characterizing Young Brown Dwarfs using Low Resolution Near-Infrared Spectra
53. Luhman, K. L., Allers, K. N., Jaffe, D. T., Cushing, M. C., Williams, K. A., Slesnick, C. L., & Vacca, W. D.
2007, *Astrophysical Journal*, 659, 1629
Oph 1622-2405: Not a Planetary-Mass Binary
54. Muench, A. A., Lada, C. J., Luhman, K. L., Muzerolle, J., & Young, E.
2007, *Astronomical Journal*, 134, 411
A Spitzer Census of the IC 348 Nebula
55. Luhman, K. L., Adame, L., D'Alessio, P., Calvet, N., McLeod, K. K., Bohac, C. J., Forrest, W. J., Hartmann, L., Sargent, B., & Watson, D. M.
2007, *Astrophysical Journal*, 666, 1219
Hubble and Spitzer Observations of an Edge-on Circumstellar Disk around a Brown Dwarf
56. Luhman, K. L.
2007, *Astrophysical Journal Supplement Series*, 173, 104
The Stellar Population of the Chamaeleon I Star-Forming Region
57. Luhman, K. L., Allen, L. E., Allen, P. R., Gutermuth, R. A., Hartmann, L., Megeath, S. T., Myers, P. C., & Fazio, G. G.
2008, *Astrophysical Journal*, 675, 1375
The Disk Population of the Chamaeleon I Star-Forming Region
58. Morrow, A. L., Luhman, K. L., Espaillat, C., D'Alessio, P., Adame, L., Calvet, N., Forrest, W. J., Sargent, B., Hartmann, L., Watson, D. M., & Bohac, C. J.
2008, *Astrophysical Journal*, 676, L143
Spitzer IRS Observations of Disks around Brown Dwarfs in the TW Hydra Association
59. Espaillat, C., Calvet, N., Luhman, K. L., Muzerolle, J., & D'Alessio, P.
2008, *Astrophysical Journal*, 682, L125
Confirmation of a Gapped Primordial Disk around LkCa 15
60. Leggett, S. K., Saumon, D., Albert, L., Cushing, M. C., Liu, M. C., Luhman, K. L., Marley, M. S., Kirkpatrick, J. D., Roellig, T. L., & Allers, K. N.
2008, *Astrophysical Journal*, 682, 1256
HN Peg B: A Test of Models of the L to T Dwarf Transition
61. Luhman, K. L., & Muench, A. A.
2008, *Astrophysical Journal*, 684, 654
New Low-Mass Stars and Brown Dwarfs with Disks in the Chamaeleon I Star-Forming Region

62. McClure, M. K., Forrest, W. J., Watson, D. M., Furlan, E., Manoj, P., Luhman, K. L., Calvet, N., Espaillat, C., D'Alessio, P., Hartmann, L., Tayrien, C., & Harrold, S. T.
2008, *Astrophysical Journal*, in press
A Sub-AU Outwardly Truncated Accretion Disk around a Classical T Tauri Star
63. Luhman, K. L.
2008, *Handbook of Star Forming Regions*, ASP Conference Series, in press
Chamaeleon
64. Peterson, D. E., Megeath, S. T., Luhman, K. L., Pipher, J. L., Stauffer, J. R., Barrado y Navascues, D., Wilson, J. C., Skrutskie, M. F., Nelson, M. J., & Smith, J. D.
2008, *Astrophysical Journal*, in press
New Young Brown Dwarfs in the Orion Molecular Cloud 2/3 Region
65. Luhman, K. L., Hernandez, J., Downes, J. J., Hartmann, L., & Briceño, C.
2008, *Astrophysical Journal*, in press
Disks around Brown Dwarfs in the σ Orionis Cluster
66. van den Berg, M., Hong, J., Grindlay, J., Luhman, K. L., Laycock, S., Zhao, P., Wilson, J. C., Skrutskie, M. F., Nelson, M., Smith, J. D., & Peterson, D. E.
2008, *Astrophysical Journal*, submitted
Infrared Spectroscopy of Candidate Counterparts to Galactic Center X-ray Sources