

Tod R. Lauer

Publications in Refereed Journals

1. **An Analysis of the Spectra of the Seyfert Galaxies Markarian 79 and I Zw 1.** (1979), ApJ, 230, 360. J. B. Oke & T. R. Lauer.
2. **Speckle Interferometric Observations of Pluto and Charon.** (1982), Icarus, 50, 72. E. K. Hege, E. N. Hubbard, J. D. Drummond, P. A. Strittmatter, S. P. Worden, & T. R. Lauer.
3. **High Resolution Surface Photometry of Elliptical Galaxies.** (1985), ApJS, 57, 473. T. R. Lauer.
4. **The Cores of Elliptical Galaxies.** (1985), ApJ, 292, 101. T. R. Lauer.
5. **Boxy Isophotcs, Disks, and Dust Lanes in Elliptical Galaxies.** (1985), MNRAS, 216, 429. T. R. Lauer.
6. **The Core of the M87 Globular Cluster System.** (1986), ApJ, 303, L1. T. R. Lauer & J. Kormendy.
7. **Photometric Decomposition of the Multiple-Nucleus Galaxy NGC 6166.** (1986), ApJ, 311, 34. T. R. Lauer.
8. **The Morphology of Multiple-Nucleus Brightest Cluster Galaxies.** (1988), ApJ, 325, 49. T. R. Lauer.
9. **The Far-Ultraviolet Spectra of Early-Type Galaxies.** (1988), ApJ, 328, 440. D. Burstein, F. Bertola, L. M. Buson, S. M. Faber, & T. R. Lauer.
10. **An Optical Detection and Characterization of the Eclipsing Pulsar's Companion.** (1988), Nat, 334, 686. A. S. Fruchter, J. E. Gunn, T. R. Lauer, & A. Dressler.
11. **The Reduction of Wide Field/Planetary Camera Images.** (1989), PASP, 101, 445. T. R. Lauer.
12. **Core Expansion in LMC Clusters.** (1989), ApJ, 347, L69. R. A. W. Elson, K. C. Freeman, & T. R. Lauer.
13. **Stellar Photometry with the Hubble Space Telescope Wide Field/Planetary Camera: A Progress Report.** (1991), ApJ, 369, L35. J. A. Holtzman, E. J. Groth, R. M. Light, S. M. Faber, D. A. Hunter, E. J. O'Neil, Jr., E. J. Shaya, W. A. Baum, B. Campbell, A. Code, D. G. Currie, S. P. Ewald, J. J. Hester, T. Kelsall, T. R. Lauer, C. R. Lynds, D. P. Schneider, P. K. Seidleman, & J. A. Westphal.
14. **The Core of the Nearby S0 Galaxy NGC 7457 Imaged with the HST Planetary Camera.** (1991), ApJ, 369, L41. T. R. Lauer, S. M. Faber, J. A. Holtzman, W. A. Baum, D. G. Currie, S. P. Ewald, E. J. Groth, J. J. Hester, T. Kelsall, J. Kristian, R. M. Light, C. R. Lynds, E. J. O'Neil, Jr., E. J. Shaya, & J. A. Westphal.
15. **The Post-Collapse Core of M15 Imaged with the HST Planetary Camera.** (1991), ApJ, 369, L45. T. R. Lauer, J. A. Holtzman, S. M. Faber, W. A. Baum, D. G. Currie, S. P. Ewald, E. J. Groth, J. J. Hester, T. Kelsall, R. M. Light, C. R. Lynds, E. J. O'Neil, Jr., D. P. Schneider, E. J. Shaya, & J. A. Westphal.
16. **Hubble Space Telescope Wide Field/Planetary Camera Images of Saturn.** (1991), ApJ, 369, L51. J. A. Westphal, W. A. Baum, T. R. Lauer, G. E. Danielson,

- D. G. Currie, S. P. Ewald, S. M. Faber, E. J. Groth, J. J. Hester, R. M. Light, C. R. Lynds, E. J. O’Neil, Jr., P. K. Seidleman, E. J. Shaya, & B. A. Smith.
17. **Ionization Fronts and Shocked Flows: The Structure of the Orion Nebula at 0.1 Arcseconds.** (1991), ApJ, 369, L75. J. J. Hester, R. Gilmozzi, C. R. O’Dell, S. M. Faber, B. Campbell, A. Code, D. G. Currie, G. E. Danielson, S. P. Ewald, E. J. Groth, J. A. Holtzman, T. Kelsall, T. R. Lauer, R. M. Light, C. R. Lynds, E. J. O’Neil, Jr., E. J. Shaya, & J. A. Westphal.
 18. **Hubble Space Telescope Imaging of η Carinae.** (1991), AJ, 102, 654. J. J. Hester, R. M. Light, J. A. Westphal, D. G. Currie, E. J. Groth, J. A. Holtzman, T. R. Lauer, & E. J. O’Neil, Jr.
 19. **Planetary Camera Observations of NGC 1275: Discovery of a Central Population of Compact Massive Blue Star Clusters.** (1992), AJ, 103, 691. J. A. Holtzman, S. M. Faber, E. J. Shaya, T. R. Lauer, E. J. Groth, D. A. Hunter, W. A. Baum, S. P. Ewald, J. J. Hester, R. M. Light, C. R. Lynds, E. J. O’Neil, Jr., & J. A. Westphal.
 20. **Planetary Camera Observations of the M87 Stellar Cusp.** (1992), AJ, 103, 703. T. R. Lauer, S. M. Faber, C. R. Lynds, W. A. Baum, S. P. Ewald, E. J. Groth, J. J. Hester, J. A. Holtzman, J. Kristian, R. M. Light, E. J. O’Neil, Jr., D. P. Schneider, E. J. Shaya, & J. A. Westphal.
 21. **The Nucleus of M32 at 0''2 Resolution.** (1992), AJ, 104, 83. P. M. Lugger, H. N. Cohn, S. E. Cederbloom, T. R. Lauer, & R. D. McClure.
 22. **Planetary Camera Observations of the Central Parsec of M32.** (1992), AJ, 104, 552. T. R. Lauer, S. M. Faber, D. G. Currie, S. P. Ewald, E. J. Groth, J. J. Hester, J. A. Holtzman, R. M. Light, E. J. O’Neil, Jr., E. J. Shaya, & J. A. Westphal.
 23. **Hubble Space Telescope Planetary Camera Images of R136.** (1992), AJ, 104, 1721. B. Campbell, D. A. Hunter, J. A. Holtzman, T. R. Lauer, E. J. Shaya, A. Code, S. M. Faber, E. J. Groth, R. M. Light, R. Lynds, E. J. O’Neil, Jr., & J. A. Westphal.
 24. **The Hubble Flow From Brightest Cluster Galaxies.** (1992), ApJ, 400, L47. T. R. Lauer & M. Postman.
 25. **The Shapes of Brightest Cluster Galaxies.** (1993), ApJ, 410, 515. B. S. Ryden, T. R. Lauer, & M. Postman.
 26. **Planetary Camera Observations of the Double Nucleus of M31.** (1993), AJ, 106, 1436. T. R. Lauer, S. M. Faber, E. J. Groth, E. J. Shaya, B. Campbell, A. Code, D. G. Currie, W. A. Baum, S. P. Ewald, J. J. Hester, J. A. Holtzman, J. Kristian, R. M. Light, C. R. Lynds, E. J. O’Neil, Jr., & J. A. Westphal.
 27. **A Family of Models for Spherical Stellar Systems.** (1994), AJ, 107, 634. S. Tremaine, D. O. Richstone, Y. Byun, A. Dressler, S. M. Faber, C. Grillmair, J. Kormendy, & T. R. Lauer.
 28. **The Motion of the Local Group With Respect to the 15,000 km s⁻¹ Abell Cluster Inertial Frame.** (1994), ApJ, 425, 418. T. R. Lauer & M. Postman.
 29. **The Nuclear Regions of NGC 3311 and NGC 7768 Imaged with the HST Planetary Camera.** (1994), AJ, 108, 102. C. J. Grillmair, S. M. Faber, T. R. Lauer, W. A. Baum, C. R. Lynds, E. J. O’Neil, Jr., & E. J. Shaya.
 30. **Brightest Cluster Galaxies as Standard Candles.** (1995), ApJ, 440, 28. M.

Postman & T. R. Lauer.

31. **Can Standard Cosmological Models Explain the Observed Abell Cluster Bulk Flow?** (1995), *ApJ*, 444, 507. M. A. Strauss, R. Cen, J. P. Ostriker, T. R. Lauer, & M. Postman.
32. **Globular Clusters in Coma Galaxy NGC 4881.** (1995), *AJ*, 110, 2537. W. A. Baum, M. Hammergren, E. J. Groth, E. A. Ajhar, T. R. Lauer, E. J. O’Neil, Jr., C. R. Lynds, S. M. Faber, C. J. Grillmair, J. A. Holtzman, & R. M. Light.
33. **The Centers of Early-Type Galaxies with HST. I. An Observational Survey.** (1995), *AJ*, 110, 2622. T. R. Lauer, E. A. Ajhar, Y. Byun, A. Dressler, S. M. Faber, C. Grillmair, J. Kormendy, D. Richstone, & S. Tremaine.
34. **HST Spectroscopic Confirmation of a $2 \times 10^9 M_{\odot}$ Black Hole in NGC 3115.** (1996), *ApJ*, 459, L57. J. Kormendy, R. Bender, D. Richstone, E. A. Ajhar, A. Dressler, S. M. Faber, K. Gebhardt, C. Grillmair, T. R. Lauer, & S. Tremaine.
35. **Hubble Space Telescope Observations of Globular Clusters in M31 I: Color-Magnitude Diagrams, Horizontal Branch Metallicity Dependence, and the Distance to M31.** (1996), *AJ*, 111, 1110. E. A. Ajhar, C. J. Grillmair, T. R. Lauer, W. A. Baum, S. M. Faber, J. A. Holtzman, C. R. Lynds, & E. J. O’Neil, Jr.
36. **The Centers of Early-Type Galaxies with HST. II. Empirical Models and Structural Parameters.** (1996), *AJ*, 111, 1889. Y. Byun, C. Grillmair, S. M. Faber, E. A. Ajhar, A. Dressler, J. Kormendy, T. R. Lauer, D. Richstone, & S. Tremaine.
37. **Hubble Space Telescope Planetary Camera Images of NGC 1316 (Fornax A).** (1996), *AJ*, 111, 2212. E. J. Shaya, D. M. Dowling, D. G. Currie, S. M. Faber, E. A. Ajhar, T. R. Lauer, E. J. Groth, C. J. Grillmair, C. R. Lynds, & E. J. O’Neil, Jr.
38. **Hubble Space Telescope Observations of Globular Clusters in M31 II: Structural Parameters.** (1996), *AJ*, 111, 2293. C. J. Grillmair, E. A. Ajhar, S. M. Faber, W. A. Baum, J. A. Holtzman, T. R. Lauer, C. R. Lynds, & E. J. O’Neil, Jr.
39. **Hubble Space Telescope WFPC2 Imaging of M16: Photoevaporation and Emerging Young Stellar Objects.** (1996), *AJ*, 111, 2349. J. J. Hester, P. A. Scowen, R. Sankrit, T. R. Lauer, E. A. Ajhar, W. A. Baum, A. Code, D. G. Currie, G. E. Danielson, S. P. Ewald, S. M. Faber, C. J. Grillmair, E. J. Groth, J. A. Holtzman, D. A. Hunter, J. Kristian, R. M. Light, C. R. Lynds, D. G. Monet, E. J. O’Neil, Jr., E. J. Shaya, K. P. Seidelmann, & J. A. Westphal.
40. **Brightest Cluster Galaxy Profile Shapes.** (1996), *ApJ*, 465, 534. A. Graham, T. R. Lauer, M. Colless, & M. Postman.
41. **The Centers of Early-Type Galaxies with HST. III. Non-Parametric Recovery of Stellar Luminosity Distributions.** (1996), *AJ*, 112, 105. K. Gebhardt, D. Richstone, E. A. Ajhar, T. R. Lauer, Y. Byun, J. Kormendy, A. Dressler, S. M. Faber, C. Grillmair, & S. Tremaine.
42. **Hubble Space Telescope Observations of M32: The Color-Magnitude Diagram.** (1996), *AJ*, 112, 1975. C. J. Grillmair, T. R. Lauer, G. Worthey, S. M. Faber, W. L. Freedman, B. F. Madore, E. A. Ajhar, W. A. Baum, J. A. Holtzman, C. R. Lynds, E. J. O’Neil, Jr., & P. B. Stetson.
43. **Hubble Space Telescope Observations of the Double Nucleus of NGC**

- 4486B.** (1996), ApJ, 471, L79. T. R. Lauer, S. Tremaine, E. A. Ajhar, R. Bender, A. Dressler, S. M. Faber, K. Gebhardt, C. J. Grillmair, J. Kormendy, & D. Richstone.
44. **Hubble Space Telescope Spectroscopic Evidence for a $1 \times 10^9 M_{\odot}$ Black Hole in NGC 4594.** (1996), ApJ, 473, L91. J. Kormendy, R. Bender, E. A. Ajhar, A. Dressler, S. M. Faber, K. Gebhardt, C. Grillmair, T. R. Lauer, D. Richstone, & S. Tremaine.
45. **The Nuclear Region of M51 Imaged with the HST Planetary Camera.** (1997), AJ, 113, 225. C. J. Grillmair, S. M. Faber, T. R. Lauer, J. J. Hester, C. R. Lynds, E. J. O’Neil, Jr., & P. A. Scowen.
46. **Detection of the Tip of the Red Giant Branch in NGC 3379 (M105) in the Leo I Group.** (1997), ApJ, 478, 49. S. Sakai, B. F. Madore, W. L. Freedman, T. R. Lauer, E. A. Ajhar, & W. A. Baum.
47. **Spectroscopic Evidence for a Supermassive Black Hole in NGC 4486B.** (1997), ApJ, 482, L139. J. Kormendy, R. Bender, J. Magorrian, S. Tremaine, K. Gebhardt, D. Richstone, A. Dressler, S. M. Faber, R. Green, C. Grillmair, & T. R. Lauer
48. **Calibration of the Surface Brightness Fluctuation Method for Use with the Hubble Space Telescope.** (1997), AJ, 114, 626. E. A. Ajhar, T. R. Lauer, J. L. Tonry, J. P. Blakeslee, A. Dressler, J. A. Holtzman, & M. Postman
49. **The Centers of Early-Type Galaxies with HST. IV. Central Parameter Relations.** (1997), AJ, 114, 1771. S. M. Faber, S. Tremaine, E. A. Ajhar, Y. Byun, A. Dressler, K. Gebhardt, C. Grillmair, J. Kormendy, T. R. Lauer, & D. Richstone.
50. **The Far Field Hubble Constant.** (1998), ApJ, 499, 577. T. R. Lauer, J. L. Tonry, M. Postman, E. A. Ajhar, & J. A. Holtzman.
51. **The Demography of Massive Dark Objects in Galaxy Centers.** (1998), AJ, 115, 2285. J. Magorrian, S. Tremaine, D. Richstone, R. Bender, G. Bower, A. Dressler, S. M. Faber, K. Gebhardt, R. Green, C. Grillmair, J. Kormendy, & T. R. Lauer
52. **Supermassive Black Holes and the Evolution of Galaxies.** (1998), Nature, 395, A14. D. Richstone, E. A. Ajhar, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, K. Gebhardt, R. Green, L. C. Ho, J. Kormendy, T. R. Lauer, J. Magorrian, & S. Tremaine.
53. **Clustering at High Redshift: Precise Constraints from a Deep, Wide-Area Survey.** (1998), ApJ, 506, 33. M. Postman, T. R. Lauer, I. Szapudi, & W. Oegerle.
54. **M32±1.** (1998), AJ, 116, 2263. T. R. Lauer, S. M. Faber, E. A. Ajhar, C. J. Grillmair, & P. A. Scowen.
55. **Combining Undersampled Dithered Images.** (1999), PASP, 111, 227. T. R. Lauer.
56. **Detailed Surface Photometry of Dwarf Elliptical and Dwarf S0 Galaxies in the Virgo Cluster.** (1999), ApJ, 517, 650. B. S. Ryden, D. M. Terndrup, R. W. Pogge, & T. R. Lauer.
57. **The Photometry of Undersampled Point Spread Functions.** (1999), PASP, in press. T. R. Lauer.
58. **Axisymmetric, 3-Integral Models of Galaxies: A Massive Black Hole in NGC 3379.** (2000), AJ, 119, 1157. K. Gebhardt, D. Richstone, J. Kormendy, T. R.

- Lauer, E. A. Ajhar, R. Bender, A. Dressler, S. M. Faber, C. Grillmair, J. Magorrian, & S. Tremaine.
59. **A Relationship Between Nuclear Black Hole Mass and Velocity Dispersion.** (2000), ApJ, 539, L13. K. Gebhardt, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, C. Grillmair, L. C. Ho, J. Kormendy, T. R. Lauer, J. Magorrian, J. Pinkney, D. Richstone, & S. Tremaine
 60. **Black Hole Mass Estimated From Reverberation Mapping and From Spatially Resolved Kinematics.** (2000), ApJ, 543, L5. K. Gebhardt, J. Kormendy, L. C. Ho, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, C. Grillmair, T. R. Lauer, J. Magorrian, J. Pinkney, D. Richstone, & S. Tremaine
 61. **Observational Constraints on Higher Order Clustering up to $z \sim 1$.** (2001), ApJ, 548, 114. I. Szapudi, M. Postman, T. R. Lauer, & W. Oegerle
 62. **Evidence of a Supermassive Black Hole in the Galaxy NGC 1023 from the Nuclear Stellar Dynamics.** (2001), ApJ, 550, 75. G. Bower, R. F. Green, R. Bender, K. Gebhardt, T. R. Lauer, J. Magorrian, D. O. Richstone, A. Danks, T. Gull, J. Hutchings, C. Joseph, M. E. Kaiser, D. Weistrop, B. Woodgate, C. Nelson, & E. M. Malumuth
 63. **The Infrared Surface Brightness Fluctuation Hubble Constant.** (2001), ApJ, 550, 503. J. B. Jensen, J. L. Tonry, R. I. Thompson, E. A. Ajhar, T. R. Lauer, M. J. Rieke, M. Postman, & M. C. Liu
 64. **M33: A Galaxy With No Supermassive Black Hole.** (2001), AJ, 122, 2469. K. Gebhardt, T. R. Lauer, J. Pinkney, G. A. Bower, R. F. Green, T. Gull, J. B. Hutchings, M. E. Kaiser, C. Nelson, J. Magorrian, D. O. Richstone, & D. Weistrop
 65. **The Slope of the Black-Hole Mass Versus Velocity Dispersion Correlation.** (2002). ApJ, 574, 740. S. Tremaine, K. Gebhardt, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, C. Grillmair, L. C. Ho, J. Kormendy, T. R. Lauer, J. Magorrian, J. Pinkney, & D. Richstone
 66. **Galaxies with a Central Minimum in Stellar Luminosity Density.** (2002), AJ, 124, 1975. T. R. Lauer, K. Gebhardt, D. Richstone, S. Tremaine, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, C. Grillmair, L. C. Ho, J. Kormendy, J. Magorrian, J. Pinkney, S. Laine, M. Postman, & R. P. van der Marel
 67. **The KPNO/Deeprange Distant Cluster Survey: I. The Catalog and the Space Density of Intermediate-Redshift Clusters.** (2002), ApJ, 579, 93. M. Postman, T. R. Lauer, W. Oegerle, & M. Donahue
 68. **Axisymmetric Dynamical Models of the Central Regions of Galaxies.** (2003). ApJ, 583, 92. K. Gebhardt, D. Richstone, S. Tremaine, T. R. Lauer, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, C. Grillmair, L. C. Ho, J. Kormendy, J. Magorrian, & J. Pinkney
 69. **Hubble Space Telescope Imaging of Brightest Cluster Galaxies.** (2003), AJ, 125, 478. S. Laine, R. P. van der Marel, T. R. Lauer, M. Postman, C. P. O’Dea, & F. N. Owen
 70. **An I-Band-Selected Sample of Radio-Emitting Quasars: Evidence for a Large Population of Red Quasars.** (2003), AJ, 126, 706. R. L. White, D. J. Helfand, R. H. Becker, M. D. Gregg, M. Postman, T. R. Lauer, & W. Oegerle

71. **Kinematics of Ten Early-Type Galaxies From HST and Ground-Based Spectroscopy.** (2003), ApJ, 596, 903. J. Pinkney, K. Gebhardt, R. Bender, G. Bower, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, L. C. Ho, J. Kormendy, T. R. Lauer, J. Magorrian, D. Richstone, & S. Tremaine
72. **Red Galaxy Clustering in the NOAO Deep Wide-Field Survey.** (2003), ApJ, 597, 225. M. J. I. Brown, A. Dey, B. T. Jannuzi, T. R. Lauer, G. P. Tiede, & V. J. Mikles
73. **An Erupting Classical Nova in a Globular Cluster of M87.** (2004), ApJ, 605, L117. M. M. Shara, D. R. Zurek, E. A. Baltz, T. R. Lauer, & J. Silk
74. **E+A Galaxies and the Formation of Early Type Galaxies at $z \approx 0$.** (2004), ApJ, 607, 258. Y. Yang, A. I. Zabludoff, D. Zaritsky, T. R. Lauer, & C. J. Mihos
75. **Microlensing Candidates in M87 and the Virgo Cluster with the Hubble Space Telescope.** (2004), ApJ, 610, 691. E. A. Baltz, T. R. Lauer, D. R. Zurek, P. Gondolo, M. M. Shara, J. Silk, & S. E. Zepf
76. **The Centers of Early-Type Galaxies with HST. V. New WFPC2 Photometry.** (2005). AJ, 129, 2138. T. R. Lauer, S. M. Faber, K. Gebhardt, D. Richstone, S. Tremaine, E. A. Ajhar, M. C. Aller, R. Bender, A. Dressler, A. V. Filippenko, R. Green, C. J. Grillmair, L. C. Ho, J. Kormendy, J. Magorrian, J. Pinkney, & C. Siopis
77. **HST STIS Spectroscopy of the Triple Nucleus of M31: Two Nested Disks in Keplerian Rotation Around a Supermassive Black Hole.** (2005), ApJ, 631, 280. R. Bender, J. Kormendy, G. Bower, R. Green, J. Thomas, A. C. Danks, T. Gull, J. B. Hutchings, C. L. Joseph, M. E. Kaiser, T. R. Lauer, C. H. Nelson, D. Richstone, D. Wesitrop, & B. Woodgate
78. **Luminosity Function of Faint Globular Clusters in M87.** (2006), ApJ, 650, 885. C. J. Waters, S. E. Zepf, T. R. Lauer, E. A. Baltz, & J. Silk. T. R. Lauer, K. Gebhardt, S. M. Faber, D. Richstone, S. Tremaine, J. Kormendy, M. C. Aller, R. Bender, A. Dressler, A. V. Filippenko, R. Green, & L. C. Ho
79. **The Masses of Nuclear Black Holes in Luminous Elliptical Galaxies and Implications for the Space Density of the Most Massive Black Holes.** (2007), ApJ, 662, 808. T. R. Lauer, S. M. Faber, D. Richstone, K. Gebhardt, S. Tremaine, M. Postman, A. Dressler, M. C. Aller, A. V. Filippenko, R. Green, L. C. Ho, J. Kormendy, J. Magorrian, & J. Pinkney
80. **The Centers of Early-Type Galaxies with HST. VI. Bimodal Central Surface Brightness Profiles.** (2007), ApJ, 664, 226. T. R. Lauer, K. Gebhardt, S. M. Faber, D. Richstone, S. Tremaine, J. Kormendy, M. C. Aller, R. Bender, A. Dressler, A. V. Filippenko, R. Green, & L. C. Ho
81. **Selection Bias in Observing the Cosmological Evolution of the $M_{\bullet} - \sigma$ and $M_{\bullet} - L$ Relationships.** (2007), ApJ, 670, 249. T. R. Lauer, S. Tremaine, D. Richstone, & S. M. Faber.
82. **The Black Hole Mass and Extreme Orbital Structure in NGC 1399.** (2007), ApJ, 671, 1321. K. Gebhardt, T. R. Lauer, J. Pinkney, R. Bender, D. Richstone, M. C. Aller, G. Bower, A. Dressler, A. V. Filippenko, S. M. Faber, R. Green, L. C. Ho, J. Kormendy, C. Siopis, & S. Tremaine.
83. **Color Bimodality in M87 Globular Clusters.** (2009), ApJ, 693, 463. C. Z.

- Waters, S. E. Zepf, T. R. Lauer, & E. A. Baltz.
84. **A Stellar Dynamical Measurement of the Black Hole Mass in the Maser Galaxy NGC 4258.** (2009), ApJ, 693, 946. C. Siopis, K. Gebhardt, T. R. Lauer, J. Kormendy, J. Pinkney, D. Richstone, S. M. Faber, S. Tremaine, M. C. Aller, R. Bender, G. Bower, A. Dressler, A. V. Filippenko, R. Green, L. C. Ho, & J. Magorrian.
 85. **A Candidate Sub-parsec Supermassive Binary Black Hole.** (2009), Nat, 458, 53. T. A. Boroson & T. R. Lauer.
 86. **Dissipation and Extra Light in Galactic Nuclei: II. “Cusp” Ellipticals.** (2009), ApJS, 181, 135. P. F. Hopkins, T. J. Cox, S. N. Dutta, L. Hernquist, J. Kormendy, & T. R. Lauer.
 87. **Dissipation and Extra Light in Galactic Nuclei: III. “Core” Ellipticals and “Missing” Light.** (2009), ApJS, 181, 486. P. F. Hopkins, T. R. Lauer, T. J. Cox, L. Hernquist, & J. Kormendy.
 88. **A Quintet of Black Hole Mass Determinations.** K. Gultekin, D. Richstone, K. Gebhardt, T. R. Lauer, J. Pinkney, M. C. Aller, R. Bender, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, L. C. Ho, J. Kormendy, & C. Siopis. (2009). ApJ, 695, 1577.
 89. **The $M_{\bullet} - \sigma$ and $M_{\bullet} - L$ Relations in Galactic Bulges, and Determination of Their Intrinsic Scatter.** K. Gultekin, D. Richstone, K. Gebhardt, T. R. Lauer, S. Tremaine, M. C. Aller, R. Bender, A. Dressler, S. M. Faber, A. V. Filippenko, R. Green, L. C. Ho, J. Kormendy, J. Magorrian, J. Pinkney, & C. Siopis (2009). ApJ, 698, 198.
 90. **RR Lyrae Variables in Two Fields in the Spheroid of M31.** A. Sarajedini, C. L. Mancone, T. R. Lauer, A. Dressler, W. Freedman, S. C. Trager, C. Grillmair, & K. J. Mighell (2009). ApJ, 138, 184.
 91. **Compact High-Redshift Galaxies Are the Cores of Present-Day Massive Spheroids.** P. F. Hopkins, K. Bundy, N. Murray, E. Quataert, T. R. Lauer, & C. Ma (2009). MNRAS, 398, 898.
 92. **HST Images and KPNO Spectroscopy of the Binary Black Hole Candidate SDSS J153636.22+044127.0.** T. R. Lauer & T. A. Boroson (2009). ApJ, 703, 930.
 93. **RR Lyrae Variables in M32 and the Disk of M31.** G. Fiorentino, A. Monachesi, S. C. Trager, T. R. Lauer, A. Saha, K. J. Mighell, W. Freedman, A. Dressler, C. Grillmair, & E. Tolstoy (2010). ApJ, 708, 817.
 94. **Exploring the Spectral Space of Low Redshift QSOs.** T. A. Boroson & T. R. Lauer (2010). AJ, 140, 390.
 95. **The Deepest Hubble Space Telescope Color-Magnitude Diagram of M32. Evidence for Intermediate-Age Populations.** A. Monachesi, S. C. Trager, T. R. Lauer, W. Freedman, A. Dressler, C. Grillmair, & K. J. Mighell (2011). ApJ, 727, 55.
 96. **The Black Hole Mass in Brightest Cluster Galaxy NGC 6086.** N. J. McConnell, C.-P. Ma, J. R. Graham, K. Gebhardt, T. R. Lauer, S. A. Wright, & D. O. Richstone (2011). ApJ, 728, 100.
 97. **The Black-Hole Mass in M87 from Gemini/NIFS Adaptive Optics Observations.** K. Gebhardt, J. Adams, D. Richstone, T. R. Lauer, S. M. Faber, K. Gultekin, J. Murphy, & S. Tremaine (2011). ApJ, 729, 119.

98. **Stardust-NExT, Deep Impact, and the accelerating spin of 9P/Tempel 1.** M. J. S. Belton, K. J. Meech, S. Chesley, J. Pittichova, B. Carcich, M. Drahus, A. Harris, S. Gillam, J. Veverka, N. Mastrodemos, W. Owen, M. F. A'Hearn, S. Bagnulo, J. Bai, L. Barrera, F. Bastien, J. M. Bauer, J. Bedient, B. C. Bhatt, H. Boehnhardt, N. Brosch, M. Buie, P. Candia, W.-P. Chen, P. Chiang, Y.-J. Choi, A. Cochran, C. J. Crockett, S. Duddy, T. Farnham, Y. R. Fernandez, P. Gutierrez, O. R. Hainaut, D. Hampton, K. A. Herrmann, H. Hsieh, M. A. Kadooka, H. Kaluna, J. Keane, M.-J. Kim, K. Klaasen, J. Kleyna, K. Krisciunas, L. M. Lara, T. R. Lauer, J.-Y. Li, L. McFadden, N. Moskovitz, B. Mueller, D. Polishook, N. S. Raja, T. Riesen, D. K. Sahu, N. Samarasinha, G. Sarid, T. Sekiguchi, S. Sonnett, N. B. Suntzeff, B. W. Taylor, P. Thomas, G. P. Tozzi, R. Vasundhara, J.-B. Vincent, L. H. Wasserman, B. Webster-Schultz, B. Yang, T. Zenn, & H. Zhao (2011). *Icarus*, 213, 345.
99. **Deep Impact, Stardust-NExT and the behavior of Comet 9P/Tempel 1 from 1997 to 2010 Observations.** K. J. Meech, J. Pittichova, B. Yang, A. Zenn, M. J. S. Belton, M. J. S., M. F. A'Hearn, S. Bagnulo, J. Bai, L. Barrera, J. M. Bauer, J. Bedient, J., B. C. Bhatt, H. Boehnhardt, N. Brosch, M. Buie, P. Candia, W.-P. Chen, S. Chesley, P. Chiang, Y.-J. Choi, A. Cochran, S. Duddy, T. L. Farnham, Y. Fernandez, P. Gutierrez, O. R. Hainaut, D. Hampton, K. Herrmann, H. Hsieh, M. A. Kadooka, H. Kaluna, J. Keane, M.-J. Kim, J. Kleyna, J. K. Krisciunas, T. R. Lauer, L. Lara, J. Licandro, S. C. Lowry, L. A. McFadden, N. Moskovitz, B. E. A. Mueller, D. Polishook, N. S. Raja, T. Riesen, T. D. K. Sahu, N. H. Samarasinha, G. Sarid, T. Sekiguchi, S. Sonnett, N. Suntzeff, B. Taylor, G. P. Tozzi, R. Vasundhara, J.-B. Vincent, L. Wasserman, B. Webster-Schultz, & H. Zhao (2011). *Icarus*, 213, 323.
100. **Orbit-Based Dynamical Models of the Sombrero Galaxy (NGC 4594).** J. R. Jardel, K. Gebhardt, J. Shen, D. Fisher, J. Kormendy, J. Kinsler, T. R. Lauer, D. Richstone, & K. Gultekin (2011). *ApJ*, 739, 21.
101. **Is There a Black Hole in NGC 4382?** K. Gultekin, D. Richstone, K. Gebhardt, S. M. Faber, T. R. Lauer, R. Bender, J. Kormendy, & J. Pinkney (2011). *ApJ*, 741, 38.
102. **Two Ten-Billion-Solar-Mass Black Holes at the Centres of Giant Elliptical Galaxies.** N. J. McConnell, C.-P. Ma, K. Gebhardt, S. A. Wright, J. D. Murphy, T. R. Lauer, J. R. Graham, & D. O. Richstone (2011). *Nature*, 480, 215.
103. **The Star Formation History of M32. Evidence for Intermediate-Age Populations.** A. Monachesi, S. C. Trager, T. R. Lauer, S. Hidalgo, W. Freedman, A. Dressler, C. Grillmair, & K. J. Mighell (2012). *ApJ*, 745, 97.
104. **The Cluster of Blue Stars Surrounding the M31 Black Hole.** T. R. Lauer, R. Bender, J. Kormendy, P. Rosenfield, & R. F. Green (2012). *ApJ*, 745, 121.
105. **The Panchromatic Hubble Andromeda Treasury.** J. J. Dalcanton, B. F. Williams, D. Lang, T. R. Lauer, J. S. Kalirai, A. C. Seth, A. Dolphin, P. Rosenfield, D. R. Weisz, E. F. Bell, L. C. Bianchi, M. Boyer, N. C. Caldwell, H. Dong, C. E. Dorman, K. M. Gilbert, L. Girardi, S. M. Gogarten, K. D. Gordon, P. Guhathakurta, P. W. Hodge, J. A. Holtzman, L. C. Johnson, S. S. Larsen, A. Lewis, J. L. Melbourne, K. A. G. Olsen, H.-W. Rix, K. Rosema, A. Saha, A. Sarajedini, E. D. Skillman, & K. Z. Stanek (2012). *ApJS*, 200, 18.

106. **The Panchromatic Hubble Andromeda Treasury I: Bright UV Stars in the Bulge of M31.** P. Rosenfield, L. C. Johnson, L. Girardi, J. J. Dalcanton, A. Bressan, D. Lang, B. F. Williams, P. Guhathakurta, K. M. Howley, T. R. Lauer, E. F. Bell, L. Bianchi, N. Caldwell, A. Dolphin, C. E. Dorman, K. M. Gilbert, J. Kalirai, S. S. Larsen, K. A.G. Olsen, H.-W. Rix, A. C. Seth, E. D. Skillman, & Daniel R. Weisz (2012). *ApJ*, 755, 131.
107. **An Ancient Metal-Poor Population in M32, and Halo Satellite Accretion in M31, Identified by RR Lyrae Stars.** A. Sarajedini, S. -C. Yang, A. Monachesi, T. R. Lauer, & S. C. Trager (2012). *MNRAS*, 425, 1459.
108. **Dynamical Measurements of Black Holes Masses in Four Brightest Cluster Galaxies at 100 Mpc.** N. J. McConnell, C.-P. Ma, J. D. Murphy, K. Gebhardt, T. R. Lauer, J. R. Graham, S. A. Wright, & D. O. Richstone (2012). *ApJ*, 756, 179.
109. **A Brightest Cluster Galaxy with an Extremely Large Flat Core.** M. Postman, T. R. Lauer, M. Donahue, G. Graves, D. Coe, J. Moustakas, A. Koekemoer, L. Bradley, H. C. Ford, C. Grillo, A. Zitrin, D. Lemze, T. Broadhurst, L. Moustakas, B. Ascaso, E. Medezinski, & D. Kelson (2012). *ApJ*, 756, 159.
110. **A Highly Magnified Candidate For a Young Galaxy Seen When the Universe was ~ 500 Myrs Old.** W. Zheng, M. Postman, A. Zitrin, J. Moustakas, X. Shu, S. Jouvel, O. Host, A. Molino, L. Bradley, D. Coe, L. A. Moustakas, M. Carrasco, H. Ford, N. Benitez, T. R. Lauer, S. Seitz, R. Bouwens, A. Koekemoer, E. Medezinski, M. Bartelmann, T. Broadhurst, M. Donahue, C. Grillo, L. Infante, S. Jha, D. D. Kelson, O. Lahav, D. Lemze, P. Melchior, M. Meneghetti, J. Merten, M. Nonino, S. Ogaz, P. Rosati, K. Umetsu, & A. van der Wel (2012). *Nature*, 489, 406.
111. **The Panchromatic Hubble Andromeda Treasury II: Tracing the Inner M31 Halo With Blue Horizontal Branch Stars.** B. F. Williams, J. J. Dalcanton, K. M. Gilbert, P. Guhathakurta, T. R. Lauer, A. C. Seth, J. Kalirai, & L. Girardi (2012). *ApJ*, 759, 46.
112. **Cores and the Kinematics of Early-type Galaxies.** T. R. Lauer (2012). *ApJ*, 759, 64.
113. **The Effect of Spatial Gradients in Stellar Mass-to-Light Ratio on Black Hole Mass Measurements.** N. J. McConnell, S. S. Chen, C.-P. Ma, J. E. Greene, T. R. Lauer, & K. Gebhardt (2013). *ApJ*, 768, L21.
114. **The Black Hole Mass and the Stellar Ring in NGC 3706.** K. Gultekin, K. Gebhardt, J. Kormendy, T. R. Lauer, R. Bender, S. Tremaine, & D. Richstone (2013). *ApJ*, submitted.

Non-Refereed Papers

1. **1976 UA.** Sebok, W., Helin, E., Lauer, T., Zelinsky, D., Bus, S. J., Kowal, C., & Marsden, B. G. (1976), *IAUC*, 2999, 1
2. **1976 UA.** Helin, E., et al. (1976), *IAUC*, 3001, 2
3. **1977 HA.** Helin, E., Bus, S. J., Bormann, P., Lauer, T., Bowell, E., Williams, J. G., & Marsden, B. G. (1977), *IAUC*, 3063, 1
4. **Comet Helin (1977e).** Helin, E., et al. (1977), *IAUC*, 3064, 1

5. **Periodic Comet Chernykh (1977i)**. Kojima, N., et al. (1977), *IAUC*, 3111, 1
6. **1977 RA**. Bus, S. J., Lauer, T., Gibson, J., Giclas, H. L., Kantz, M. L., Bowell, E., Martin, L., & Marsden, B. G. (1977), *IAUC*, 3111, 2
7. **Comet Kohler (1977m)**. Jekabsons, P., et al. (1977), *IAUC*, 3112, 1
8. **Periodic Comet Sanguin (1977p)**. Helin, E., Gibson, J., Bus, S. J., Lauer, T., & Marsden, B. G. (1977), *IAUC*, 3128, 1
9. **Deuterium and the Density of the Universe**. Lauer, T. R., *Griffith Observer*, 45, n11, p2. (1981).
10. **The CCD Data Taking System**. Lauer, T. R., Lick Observatory Technical Report No. 28 (1981).
11. **The VISTA User's Guide**. Lauer, T. R., Stover, R., Terndrup, D., Lick Observatory Technical Report No. 34 (1983).
12. **The VISTA Programmer's Guide**. Lauer, T. R. Stover, R., Terndrup, D., Lick Observatory Technical Report No. 35 (1983).
13. **High Resolution Surface Photometry of Elliptical Galaxies**. Lauer, T. R., PhD Thesis, University of California, Santa Cruz (1983).
14. **High Resolution Observations of Galactic Nuclei**. Lauer, T. R., *B. A. A. S.*, 16, n3, p776–779 (1984).
15. **CCD Use at Lick Observatory**. T. R. Lauer, J. S. Miller, C. S. Osborne, L. B. Robinson, and R. J. Stover, *S. P. I. E. Instrumentation in Astronomy V*, 445, 132 (1984).
16. **The Core Properties of Elliptical Galaxies** Lauer, T. R. 1987, *IAU Symp. 127: Structure and Dynamics of Elliptical Galaxies*, 127, 381
17. **Ultraviolet Energy Distributions of 32 Early Type Galaxies** Bertola, F., Burstein, D., Buson, L. M., Faber, S. M., & Lauer, T. R. 1987, *IAU Symp. 127: Structure and Dynamics of Elliptical Galaxies*, 127, 439
18. **Core Properties of Elliptical Galaxies**. Lauer, T. R., in *Nearly Normal Galaxies: From the Planck Time to the Present*, ed. S. M. Faber (New York: Springer-Verlag) (1987).
19. **The Structure of Elliptical Galaxies**. Lauer, T. R. (1988), in *Cooling Flows in Clusters and Galaxies*, ed. A. C. Fabian (Dordrecht: Kluwer).
20. **The Core of the M 87 Globular Cluster System**. Lauer, T. R., & Kormendy, J. (1988), *IAU Symp. 126: The Harlow-Shapley Symposium on Globular Cluster Systems in Galaxies*, 126, 607
21. **Global Stellar Populations of Elliptical Galaxies: B. Ultraviolet Energy Distributions**. D. Burstein, F. Bertola, L. M. Buson, S. M. Faber, & T. R. Lauer (1988), in *Towards Understanding Galaxies at Large Redshift*, ed. R. G. Kron and A. Renzini (Dordrecht: Kluwer).
22. **Cores and Nuclear Star Clusters in Galaxies**. Lauer, T. R. (1989), in *Dynamics of Dense Stellar Systems*, ed. D. Merritt (Cambridge:Cambridge) p3.
23. **Cannibalism in Clusters' Cusps**. Lauer, T. R. (1990) in *Dynamics and Interactions of Galaxies*, ed. R. Wielen (New York: Springer-Verlag).
24. **Reduction of PG:1115+080 Images**. Groth, E. J., et al. (1991), *The First Year of HST Observations*, 192

25. **The Motion of the Local Group With Respect to the 15,000 km/s Abell Cluster Frame.** (1993) In *Observational Cosmology*, 171. eds. G. Chincarini, A. Iovino, T. Maccacaro, & D. Maccagni (ASP Conf. Series). T. R. Lauer & Marc Postman
26. **Supernova 1993J in NGC 3031.** Porter, A. C., Stocke, J., Perlman, E., Ellingson, E., Lauer, T., Postman, M., Owen, F., & Ledlow, M. (1993), IAUC, 5779, 1
27. **The Motion of the Local Group With Respect to the 15,000 km/s Abell Cluster Frame.** In *Texas/PASCOS 92: Relativistic Astrophysics and Particle Cosmology*, Ann. NY. Acad. Sci. 668 531 (1993). T. R. Lauer & Marc Postman
28. **The Motion of the Local Group with Respect to the 15,000 km/sec Abell Cluster Frame.** (1994) In *Cosmic Velocity Fields*, 69. eds. F. R. Bouchet and M. Lachieze-Rey (Editions Frontières: Cedex). M. Postman & T. R. Lauer
29. **HST Photometry of the Cores of Early-Type Galaxies.** Kormendy, J., Dressler, A., Byun, Y. I., Faber, S. M., Grillmair, C., Lauer, T. R., Richstone, D., & Tremaine, S. (1994), *Dwarf Galaxies*, 147
30. **Supernovae 1994F, 1994G, 1994H.** Perlmutter, S., et al. (1994), IAUC, 5956, 1
31. **Supernovae.** Deustua, S., et al. (1995), IAUC, 6263, 1
32. **An HST Survey of Cores of Early-type Galaxies.** J. Kormendy, Y. Byun, E. A. Ajhar, T. R. Lauer, A. Dressler, S. M. Faber, C. Grillmair, K. Gebhardt, D. Richstone, & S. Tremaine. (1996), In IAU Symposium 171, *New Light on Galaxy Evolution*, eds. R. L. Davies & R. Bender (Kluwer)
33. **The Centers of Galaxies.** Richstone, D., et al. (1996), IAU Symp. 174: *Dynamical Evolution of Star Clusters: Confrontation of Theory and Observations*, 174, 53
34. **The Central Structure of Early Type Galaxies.** Lauer, T. R., et al. (1997), ASP Conf. Ser. 116: *The Nature of Elliptical Galaxies; 2nd Stromlo Symposium*, 116, 113
35. **Dwarf Elliptical and Dwarf SO Galaxies in the Virgo Cluster.** Ryden, B. S., Terndrup, D. M., Pogge, R. W., & Lauer, T. R. (1997), ASP Conf. Ser. 116: *The Nature of Elliptical Galaxies; 2nd Stromlo Symposium*, 116, 283
36. **Hubble Space Telescope Observations of M32.** Grillmair, C. J., et al. (1997), ASP Conf. Ser. 116: *The Nature of Elliptical Galaxies; 2nd Stromlo Symposium*, 116, 308
37. **Tests of Morphological Peculiarity Indices for Distant and Local Galaxies.** Wu, K. L., Faber, S. M., & Lauer, T. R. (1997), *The Hubble Space Telescope and the High Redshift Universe*, 179
38. **Clustering at High Redshift: Observational Constraints from a Deep, Wide Area Survey.** Postman, M., Lauer, T. R., Szapudi, I., & Oegerle, W. (1998), ASP Conf. Ser. 146: *The Young Universe: Galaxy Formation and Evolution at Intermediate and High Redshift*, 146, 413
39. **Galaxy Clustering at $z < 1$: Precise Constraints from a Deep Wide-Area I-Band Galaxy Survey.** Postman, M., Lauer, T., Szapudi, I., & Oegerle, W. (1998), *Wide Field Surveys in Cosmology*, 14th IAP meeting held May 26-30, 1998, Paris. Publisher: Editions Frontières. ISBN: 2-8 6332-241-9, p. 137., 137
40. **The Galaxy Cluster Core.** Vilchez-Gómez, R., Postman, M., & Lauer, T. R.

- (2000), ASP Conf. Ser. 215: *Cosmic Evolution and Galaxy Formation: Structure, Interactions, and Feedback*, 215, 215
41. **The Kuiper Belt Survey of the GEST Mission.** Cook, K. H., et al. (2000), *Bulletin of the American Astronomical Society*, 32, 1031
 42. **The Galactic Exoplanet Survey Telescope (GEST): A Search for Extra-Solar Planets via Gravitational Microlensing and Transits.** Rhie, S. H., et al. (2000), *Bulletin of the American Astronomical Society*, 32, 1053
 42. **A Quantitative Study of the Evolution of Peculiarities in Galaxy Morphology.** Wu, K. L., Faber, S. M., & Lauer, T. R. (2001), *Deep Fields*, 170
 43. **The Galaxy Cluster Core.** Vilchez-Gómez, R., Postman, M., & Lauer, T. R. (2001), *Highlights of Spanish astrophysics II*, 69
 44. **Deconvolution With a Spatially-Variant PSF.** Lauer, T. (2002), *Proceedings of the SPIE*, 4847, 167
 45. **The NOAO Science Archive, Version 2.0.** Seaman, R., Zárata, N., Lauer, T., & Warner, P. B. (2003), ASP Conf. Ser. 295: *Astronomical Data Analysis Software and Systems XII*, 295, 100
 46. **The Galactic Exoplanet Survey Telescope (GEST).** Bennett, D. P., et al. (2003), *Proceedings of the SPIE*, 4854, 141
 46. **A Quantitative Study of the Evolution of Peculiarities in Galaxy Morphology out to $z \sim 3$.** Wu, K. L., Faber, S. M., & Lauer, T. R. (2003), *Revista Mexicana de Astronomía y Astrofísica Conference Series*, 17, 241
 47. **Black Holes and the Central Structure of Early-type Galaxies.** Lauer, T. R. (2004), *Coevolution of Black Holes and Galaxies*, 219
 48. **The DESTINY concept for the Joint Dark Energy Mission (JDEM).** Morse, J. A., Lauer, T. R., & Woodruff, R. A. (2004), *Proceedings of the SPIE*, 5487, 1484
 49. **Technical Implementation of the DESTINY Mission Concept.** Woodruff, R. A., Morse, J. A., & Lauer, T. R. 2004, *Proceedings of the SPIE*, 5487, 1545
 50. **DESTINY: The Dark Energy Space Telescope.** Lauer, T. R., & Destiny Science Team (2005), ASP Conf. Ser. 339: *Observing Dark Energy*, 339, 79
 51. **A Conceptual Domain Model for the NOAO Science Archive.** Warner, P., Hiriart, R., Valdes, F., Lauer, T., & Points, S. (2005), *Astronomical Society of the Pacific Conference Series*, 347, 689
 52. **DESTINY: The Dark Energy Space Telescope.** Lauer, T. R. (2005), *New Astronomy Review*, 49, 354
 52. **Destiny: A Candidate Architecture for the Joint Dark Energy Mission.** Benford, D. J., & Lauer, T. R. (2006), *Proceedings of the SPIE*, 6265, 67
 53. **DESTINY: The Dark Energy Space Telescope.** Pasquale, Bert A.; Woodruff, Robert A.; Lauer, Tod R.; Benford, Dominic J. (2007). *Proc. of the SPIE*, 6687, 25.
 54. **DESTINY: The Dark Energy Space Telescope.** T. R. Lauer (2008). In “A Decade of Dark Energy,” Ed. N. Pirskal & H. Ferguson (STScI).
 55. **Precision Attitude Determination for an Infrared Space Telescope.** Benford, Dominic J.; Lauer, Tod R.; Woodruff, Robert A.; van Bezooijen, Roel W. H.; Vasudevan, Gopal (2008). *Proc. of the SPIE*, 7010, 122.
 56. **Simulations of Sample-Up-the-Ramp for Space-Based Observations of Faint**

- Sources.** Benford, Dominic J.; Lauer, Tod R.; Mott, D. Brent (2008). Proc. of the SPIE, 7021, 55.
57. **Dark Energy from a Space-Based Platform.** Riess, Adam; Benford, Dominic; Bernstein, Gary; Deustua, Susana; Eisenstein, Dan; Ellis, Richard; Gehrels, Neil; Hirata, Chris; Lauer, Tod; Melnick, Gary; Moseley, Harvey; Perlmutter, Saul; Schlegel, David; Wang, Yun (2009). Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 249
 58. **M32: Is there an Ancient, Metal-Poor Population?** Fiorentino, G.; Monachesi, A.; Trager, S.; Lauer, T.; Saha, A.; Mighell, K.; Freedman, W. L.; Dressler, A.; Grillmair, C. J.; Tolstoy, E. (2009). STELLAR PULSATION: CHALLENGES FOR THEORY AND OBSERVATION: Proceedings of the International Conference. AIP Conference Proceedings, 1170, 216.
 59. **The Stellar Populations of M32: Resolving the nearest elliptical with HST ACS/HRC.** Monachesi, Antonela; Trager, S. C.; Lauer, Tod R.; Freedman, Wendy; Dressler, Alan; Grillmair, Carl; Mighell, Kenneth (2010). Stellar Populations - Planning for the Next Decade, Proceedings of the International Astronomical Union, IAU Symposium, 262, 135.
 60. **M32: Is there an Ancient and Metal-poor Stellar Population?** Fiorentino, Giuliana; Monachesi, Antonela; Trager, Scott C.; Lauer, Tod R.; Saha, Abhijit; Mighell, Kenneth J.; Freedman, Wendy; Dressler, Alan; Grillmair, Carl; Tolstoy, Eline (2010). Stellar Populations - Planning for the Next Decade, Proceedings of the International Astronomical Union, IAU Symposium, 262, 333.
 61. **Adaptive Optics-Based Measurements of the Black Hole in Abell 2162-BCG.** McConnell, Nicholas J.; Graham, James R.; Ma, Chung-Pei; Gebhardt, Karl; Lauer, Tod R. (2010). Co-Evolution of Central Black Holes and Galaxies, Proceedings of the International Astronomical Union, IAU Symposium, 267, 208.
 62. **The Resolved Stellar Populations of M 32.** Monachesi, A.; Trager, S. C.; Lauer, T. R.; Freedman, W.; Dressler, A.; Grillmair, C.; Mighell, K. (2011). EAS Publications Series, 48, 271.
 63. **Wide-Field InfraRed Survey Telescope (WFIRST) Interim Report.** Green, James; Schechter, Paul; Baltay, Charles; Bean, Rachel; Bennett, David; Brown, Robert; Conselice, Christopher; Donahue, Megan; Gaudi, Scott; Lauer, Tod; Perlmutter, Saul; Rauscher, Bernard; Rhodes, Jason; Roellig, Thomas; Stern, Daniel; Sumi, Takahiro; Tanner, Angelle; Wang, Yun; Wright, Edward; Gehrels, Neil; Sambruna, Rita (2011). arXiv:1108.1374.
 64. **The NOAO Variable-Sky Project.** Matheson, T.; Blum, R.; Jannuzi, B.; Lauer, T.; Norman, D.; Olsen, K.; Ridgway, S.; Saha, A.; Shaw, R.; Walker, A. (2012). New Horizons in Time-Domain Astronomy, Proceedings of the International Astronomical Union, IAU Symposium, 285, 361.
 65. **Wide-Field InfraRed Survey Telescope (WFIRST) Final Report.** Green, J.; Schechter, P.; Baltay, C.; Bean, R.; Bennett, D.; Brown, R.; Conselice, C.; Donahue, M.; Fan, X.; Gaudi, B. S.; Hirata, C.; Kalirai, J.; Lauer, T.; Nichol, B.; Padmanabhan, N.; Perlmutter, S.; Rauscher, B.; Rhodes, J.; Roellig, T.; Stern, D.; Sumi, T.; Tanner, A.; Wang, Y.; Weinberg, D.; Wright, E.; Gehrels, N.; Sambruna, R.; Traub, W.;

Anderson, J.; Cook, K.; Garnavich, P.; Hillenbrand, L.; Ivezić, Z.; Kerins, E.; Lunine, J.; McDonald, P.; Penny, M.; Phillips, M.; Rieke, G.; Riess, A.; van der Marel, R.; Barry, R. K.; Cheng, E.; Content, D.; Cutri, R.; Goullioud, R.; Grady, K.; Helou, G.; Jackson, C.; Kruk, J.; Melton, M.; Peddie, C.; Rioux, N.; Seiffert, M. (2012). Green, J.; Schechter, P.; Baltay, C.; Bean, R. (2012). arXiv:1208.4012.