

Curriculum Vitae

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- Born** August 21, 1961 in Evanston, Illinois
- Education** Ph.D. in Astronomy, May 1989, University of Arizona
Dissertation: “A Search for Additional Parameters in the Infrared Luminosity / 21 cm Line-width Relation for Spiral Galaxies in Clusters of Galaxies”
B.S. with honor in Astronomy, June 1983
California Institute of Technology
- Experience** Research Scientist, University of Texas
September 2002 to present
Manager of Computing Services, McDonald Observatory
September 1993 to May 2003
Research Associate, University of Texas
July 1994 to August 2002
Lecturer, University of Texas
AST392G, “Observing Techniques in Astronomy”
May 1993 to August 1993
Research Scientist Associate III, University of Texas
June 1990 to July 1994
Postdoctoral Fellow, CCD Group, McDonald Observatory
October 1988 to June 1990
- Service** McDonald Users’ Committee, May 2007 to present
McDonald Observatory Forward Look Committee
October 2006 to March 2007
HET User Committee, May 2006 to present
McDonald Observatory / Texas HET Telescope Allocation Committee
June 2006 to November 2006
Member, Local Organizing Committee

Austin American Astronomical Society meeting, January 1999

McDonald Observatory Telescope Allocation Committee, 1994-1995

Member, Astrophysics Data System Users Committee, 1991-1992

Grants

HST Cycle 16 GO, April 2007, \$139,663 (Co-I)

“Time Scales of Bulge Formation in Nearby Galaxies”

National Science Foundation, July 2006, \$469,753 (Co-I)

“Physical Processes of Galaxy Evolution”

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- “The Relative Timing of Microwaves and Hard X-Rays in Solar Flares”, Cornell, M. E., Hurford, G. J., Kiplinger, A. L., and Dennis, B. R., *Ap. J.* **279**, 875 (1984).
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- “Large Peculiar Velocities in the Hydra-Centaurus Supercluster”, Aaronson, M., Bothun, G. D., Cornell, M. E., Dawe, J. A., Dickens, R. J., Hall, P. J., Han Ming Sheng, Huchra, J. P., Lucey, J. R., Mould, J. R., Murray, J. D., Schommer, R. A., and Wright, A. E., *Ap. J.* **338**, 654 (1989).
- “Evaluation of the Texas Instruments TC215-31 CCD for Astronomical Imaging”, Claver, C. F., Cornell, M. E., and Opal, C. B., *S. P. I. E.* **1235**, 253 (1990).
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- “A New Library of Stellar Optical Spectra”, Silva, D. R., and Cornell, M. E., *Ap. J. Suppl.* **81**, 865 (1992).
- “Operations Issues for the Hobby-Eberly Telescope”, Kelton, P. W., and Cornell, M. E., A. S. P. Conference Series, Vol. 79, p. 136 (1994).
- “New Observing Modes with the Hobby-Eberly Telescope”, Kelton, P. W., Cornell, M. E., and Adams, M. T., A. S. P. Conference Series, Vol. 87, p. 33 (1996).
- “A Study of SN 1992H in NGC 5377”, Clocchiatti, A., Benetti, S., Wheeler, J. C., Wren, W., Boisseau, J., Cappellaro, E., Turatto, M., Patat, F., Swartz, D., Harkness, R., Brotherton, M., Wills, B., Hemenway, P., Cornell, M., Kaiser, M., *A. J.*, **111**, 1286 (1996).

- “Planning and Scheduling Software for the Hobby-Eberly Telescope”, Gaffney, N. I., and Cornell, M. E., A. S. P. Conference Series, Vol. 125, p. 379 (1997).
- “A Wide Field CCD Survey for Low Surface Brightness Galaxies. I. Data Acquisition, Description and Initial Results”, O’Neil, K., Bothun, G. D., and Cornell, M. E., *A. J.*, **113**, 1212 (1997).
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- “The Phase II Language for the Hobby-Eberly Telescope”, Gaffney, N. I., and Cornell, M. E., A. S. P. Conference Series, Vol. 145, p. 284, (1998).
- “XTE J0421+560 and CI Camelopardalis”, Hjellming, R. M., Mioduszewski, A. J., Robinson, E. L., Welsh, W. F., Adams, M. T., and Cornell, M. *IAU Circulars*, **6862**, 1 (1998).
- “Scheduling and Executing Phase II Observing Scripts on the Hobby-Eberly Telescope”, Gaffney, N. I., and Cornell, M. E., *S. P. I. E.*, **3349**, 143 (1998).
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- “Early Performance and Present Status of the Hobby-Eberly Telescope”, Ramsey, L. W., Adams, M. T., Barnes, T. G., Booth, J. A., Cornell, M. E., Gaffney, N. I., Glaspey, J. W., Good, J. M., Fowler, J. R., Kelton, P. W., Krabbendam, V. L., Long, L., Ray, F. B., Ricklefs, R. L., Sage, J., Sebring, T. A., and Steiner, M., *S. P. I. E.*, **3352**, 34 (1998).
- “A New Library of Stellar Optical Spectra”, Silva, D. R., and Cornell, M. E., *VizieR On-line Data Catalog* **III/166** (1999).
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- “Secular Evolution and the Growth of Pseudobulges in Disk Galaxies”, Kormendy, J., and Cornell, M. E., in *Penetrating Bars Through Masks of Cosmic Dust: The Hubble Tuning Fork Strikes a New Note*, ed. D. L. Block, I. Puerari, K. C. Freeman, R. Goess, and E. K. Block (Dordrecht: Kluwer), 261 (2004).
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“The Peculiar Velocity of Abell 262”, Cornell, M. E., *Bull. Am. Astr. Soc.* **22**, 754 (1990).

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