

CURRICULUM VITÆ

Christopher Nicholas Andrew Willmer

Present Affiliation

Steward Observatory
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Educational Background

Ph.D.: CNPq/Observatório Nacional, Rio de Janeiro, Brazil (1990)
Thesis: “The Statistical Properties of Systems of Galaxies”, advisor Dr. Luiz N. da Costa.

M.Sc.: CNPq/Observatório Nacional, Rio de Janeiro, Brazil (1986)
Thesis: “The Hydra-Centaurus Supercluster”, advisor Dr. Luiz N. da Costa.

B.Sc.: Universidade Federal do Rio de Janeiro, Brazil (1980)
Thesis: “A Preliminary Colour-Magnitude Diagram for the Small Magellanic Cloud Cluster L113 and its Surrounding Field”, advisor Dr. William E. Kunkel.

Professional Experience

Assistant Astronomer: Steward Observatory, University of Arizona, 2005-present (research advisors: Dr. George Rieke, Dr. Marcia Rieke)

- *Support for the James Webb Space Telescope Near-Infrared Camera (NIRCam) involving characterization of infrared arrays, acquisition and analysis of test data and the development and adaptation of code to perform the data analyses.*
- *Analysis the Mid-IR properties of galaxies in the nearby and distant Universe.*
- *Provide local support for reduction of SPITZER Infrared Spectrograph spectra.*

Visiting Professor: Institut d’Astrophysique Spatiale 2007 (Sponsors: Dr. Herve Dole, Dr. Guilaine Lagache)

- *Analysis mid-IR and optical properties of two samples of galaxies observed with the Spitzer Infrared Spectrograph.*

Postdoctoral Researcher: Instituto de Astrofísica de Andalucía 2005 (research advisors: Dr. Mariano Moles, Dr. Josefa Masegosa)

- *Worked on pipeline used in the reductions of the ALHAMBRA wide field multi-wavelength photometric survey.*

Postdoctoral Researcher: UCO/Lick Observatory, UCSC, 1998-2005 (research advisors: Profs. David C. Koo, Sandra M. Faber, Puragra Guhathakurta and Garth D. Illingworth).

- *Prepared, executed and reduced observations of distant galaxies.*
- *Created an interactive database of distant galaxy observations.*
- *Studied the evolution of galaxies using the Galaxy Luminosity Function.*
- *Mentored undergraduate students.*
- *Participated in community outreach activities.*

Associated Researcher: CNPq/Observatório Nacional, 1991-1998, (research advisor: Dr. Paulo S. Pellegrini).

- *Made statistical analyses of nearby galaxy redshift surveys, ranging from the statistics of large scale structures, to the properties of poor clusters of galaxies. Characterized systematic properties of different luminosity function estimators.*
- *Maintained database of nearby galaxy surveys and managed the reduction and integration into database of galaxy spectral data.*
- *Taught graduate course in Extragalactic Astronomy.*
- *Supervised undergraduate students in research projects.*

Visiting Astronomer: European Southern Observatory, 1996-1997, (sponsor: Dr. Luiz N. da Costa).

- *Carried out the two-point correlation function analysis of the Southern Sky Redshift Survey, which showed that the correlation length depends on galaxy morphology, luminosity and color.*
- *Organized database for the Redshift-Distance Survey of Early-type Galaxies.*

Postdoctoral Researcher: Institut d'Astrophysique de Paris, 1994-1995, (research advisor: Dr. Valerie de Lapparent).

- *Analysed two medium-deep surveys of galaxies.*

Postdoctoral Researcher: UCO/Lick Observatory, UCSC. 1993, (research advisors: Profs. David C. Koo and Garth D. Illingworth).

- *Reduced multi-slit observations of faint galaxies.*

Research Fellow: UCO/Lick Observatory, UCSC, 1991-1993, (research advisor: Prof. David C. Koo).

- *Led redshift survey of medium-deep galaxies at the North Galactic Pole using multi-fiber spectroscopy which showed that walls of galaxies are common events.*

Assistant Researcher: CNPq/Observatório Nacional, 1989-1991, (research advisor: Dr. Luiz N. da Costa).

- *Investigated clustering properties of galaxies of the Southern Sky Redshift Survey.*
- *Maintained database of nearby galaxy data.*

Visiting Astronomer: Osservatorio Astronomico di Bologna, 1990, (sponsor: Dr. Paola Focardi).

- *Analysed properties of nearby poor clusters of galaxies.*

Research Assistant: CNPq/Observatório Nacional, 1986-1989, (research advisor: Dr. Luiz N. da Costa).

- *Scientific analyses of the redshift surveys of galaxies in the Hydra-Centaurus region.*
- *Maintained database of nearby galaxy data.*

Data Reduction Assistant: CNPq/Observatório Nacional, 1984-1986, (research advisor: Dr. Luiz N. da Costa).

- *Coordinated acquisition of galaxy spectral data.*
- *Reduced galaxy spectra.*
- *Created and maintained database of nearby galaxy data.*

Awards and Grants

Galaxy Assembly at High Densities: HST Dissection of a Cluster at $z=1.62$ - NASA/STScI - 2011-2014 (co-I)

X-ray Characteristics of the Most Distant Spectroscopically Confirmed Cluster of Galaxies - CXO - 2010-2013 (co-I)

Ultra-Deep MIPS Imaging of the Lockman Hole - NASA/JPL - 2009-2011 (co-I)

Evolution of IR-Luminous Spectral Energy Distributions from $0.1 \leq z \leq 0.6$ - NASA/JPL - 2009-2011 (co-I)

Visiting Professor Grant - IAS (France) - 2007

I3P Fellowship - CSIC (Spain) - 2005

Research Grants - CNPq (Brazil) - 1997-1998, 1995-1997

ESO Visitor Programme - 1996

Post-Doctoral Fellowship - CNRS (France) - 1994-1995

Post-Doctoral Fellowship - CNPq (Brazil) - 1991-1993

Visiting Researcher - CNR (Italy) - Fall 1990

Travel Grant - FAPERJ (Brazil) - 1994, 1990

Travel Grants - CNPq (Brazil) - 1996, 1990, 1989, 1988, 1987

Travel Grant - CAPES (Brazil) - 1988

Graduate Fellowship (M.Sc.) - CNPq (Brazil) - 1981-1983

Undergraduate Research Studentship - CNPq (Brazil) - 1980

Research Interests

Observational properties of the large scale structure of the Universe.

Properties of poor clusters of galaxies.

Galaxy formation and evolution.

Low Luminosity Galaxies.

Teaching Experience

Co-advised B.Sc. student Jennifer Holt, UCSC, (2003-2004).

Co-advised Physics Major Susmita Datta on research project, UCSC (2002)

Substitute lecturer for Course on Extragalactic Astronomy, UCSC (2001, 1992).

Advised the B.Sc. Thesis of Sandro O. Mendes, UFRJ (Brazil) (1994-1998).

Advised the B.Sc. student Sandra M. Nogueira, UERJ (Brazil) (1993-1997).

Instructor - Graduate Course on Extragalactic Astronomy - CNPq/Observatório Nacional (1997)

Professional Memberships

Sociedade Astronômica Brasileira

International Astronomical Union

Computer Experience

Operating Systems: UNIX, Linux, Windows

Programming Languages: FORTRAN, Perl, C, C++, Python.

Experience with IRAF and IDL in the reduction of spectroscopic, photometric and astrometric data.

Languages

English (native speaker)
Portuguese (native speaker)
Spanish (fluent speaker, read, write)
French (fluent speaker, read, write)
Italian (fluent speaker, read)

Citizenship

Citizen of the USA.

Other Activities

Refereed articles submitted to ApJ, MNRAS and A&A.

Member of the Brazilian Committee for Instrumentation of the Southern Astrophysical Research Telescope (SOAR), 1997-1998.

Principal Investigator - Redshift Survey of MIPS sources in the Extend Groth Strip - Multiple Mirror Telescope (2006-2008).

Principal Investigator - Photometric Redshifts for Early Type Galaxies in DEEP2 fields 3 and 4 - Multiple Mirror Telescope (2006, 2007).

Technical Contact - Dust Properties in Nearby Sub-mm Galaxies - Spitzer Space Telescope - (2006-2008).

Principal Investigator - Redshift Survey of Three Clusters of Galaxies in the Hydra-Centaurus Region - CASLEO 2.15m, Argentina (1994), LNA 1.60m, Brazil (1995, 1996)

Principal Investigator - Medium-Deep Mini-Slice Survey at the North Galactic Pole - KPNO 4m (1992, 1993)

Observational experience: Multi-slit (DEIMOS, LRIS), Echelle (ESI) spectroscopy at W.M. Keck Observatory; multi-slit spectroscopy at the Subaru (MOIRCS), Magellan (LDSS3, IMACS, MMIRS) and LBT (LUCIFER, MODS) observatories; Multi-fiber spectroscopy at MMT 6.5m (hectospec), Cerro Tololo 4m (ARGUS) and Kitt Peak 4m (HYDRA); Integral Field Unit spectroscopy at Gemini-N and UKIRT (Near Infrared); single slit spectroscopy at MMT 6m (Blue Channel, Red Channel), Lick 3m (optical and NIR), CASLEO 2.15m (Argentina), South African Astronomical Observatory 1.9m, LNA 1.60m (Brazil), ESO 1.52m (Chile); photometry Calar Alto 3.5m (Spain), ESO 1.54m (Chile), Fred Lawrence Whipple Observatory 40in (Mount Hopkins, AZ), Lick Nickel Telescope 40 in, LNA 60cm (Brazil).

Refereed Publications

131. 2012 “The Arizona CDFS Environment Survey (CES): A Magellan/IMACS Spectroscopic Survey of the Chandra Deep Field-South” M. C. Cooper, R. Yan, M. Dickinson, S. Juneau, J. M. Lotz, J. A. Newman, C. Papovich, S. Salim, G. Walth, B. J. Weiner, **C. N. A. Willmer**, 2012, MNRAS, 425, 2116

130. 2012 “Star Formation and AGN activity in Galaxies classified using the 1.6 μm Bump and PAH features at $z=0.4-2$ ” H. Hanami, T. Ishigaki, N. Fujishuro, K. Nakanishi, T. Miyagi, M. Krumpke, K. Umetsu, Y. Ohyama, H. J. Shim, M. Im, H. M. Lee, M. G. Lee, S. Serjeant, G. L. White, **C. N. A. Willmer**, T. Goto, S. Oyabu, T. Takagi, T. Wada, H. Matsuhara, 2012, PASJ, 64, 70

129. 2012 “A Tale of Dwarfs and Giants: Using a $z = 1.62$ Cluster to Understand How the Red Sequence Grew over the Last 9.5 Billion Years” G. H. Rudnick, K.-V. Tran, C. Papovich, I. Momcheva, **C. Willmer**, 2012, ApJ, 755, 14

128. 2012 “A Population of Dust-rich Quasars at $z \sim 1.5$ ” S. Y. Dai, J. Bergeron, M. Elvis, A. Omont, J.-S. Huang, J. Bock, A. Cooray, G. Fazio, E. Hatziminaoglou, E. Ibar, G. Magdis, D. J. Oliver, M. J. Page, I. Perez-Fournon, D. Rigopoulou, I. G. Roseboom, S. Douglas, M. Symeonidis, M. Trichas, J. D. Vieira, **C. N. A. Willmer**, M. Zemcov, 2012, ApJ, 753, 33

127. 2012 “The Advanced Camera for Surveys General Catalog: Structural Parameters for Approximately Half a Million Galaxies” R. L. Griffith, M. C. Cooper, J. A. Newman, L. A. Moustakas, D. Stern, J. M. Comerford, M. Davis, J. M. Lotz, M. Barden, C. j. Conselice, P. L. Capak, S. M. Faber, J. D. Kirkpatrick, A. M. Koekemoer, D. C. Koo, K. G. Noeske, N. Scolville, K. Sheth, P. Shopbell, **C. N. A. Willmer**, B. Weiner, 2012, ApJS, 200, 9

126. 2012 “The DEEP2 Galaxy Redshift Survey: The Voronoi-Delaunay Method Catalog of Galaxy Groups” B. F. Gerke, J. A. Newman, M. Davis, A. L. Coil, M. C. Cooper, A. A. Dutton, S. M. Faber, P. Guhathakurta, N. Konidaris, D. C. Koo, L. Lin, K. Noeske, A. C. Phillips, D. J. Rosarion, B. J. Weiner, **C. N. A. Willmer**, R. Yan, 2012, ApJ, 751, 50

125. 2012 “JWST near-infrared detector degradation - finding the problem, fixing the problem, and moving forward” B. J. Rauscher, C. Stahle, R. J. Hill, M. Greenhouse, J. Beletic, S. Babu, P. Blake, K. Cleveland, E. Cofe, B. Eegholm, C. W. Engelbracht, D. N. B. Hall, A. Hoffman, B. Jeffers, C. Jhabvala, R. A. Kimble, S. Kohn, R. Kopp, D. Lee, H. Leidecker, D. Lindler, R. E. McMurray, Jr., K. Misselt, D. B. Mott, R. Ohl, J. L. Pipher, E. Piquette, D. Polis, J. Pontius, M. Rieke, R. Smith, W. E. Tennant, L. Wang, Y. Wen, C. N. A. Willmer, M. Zandian, 2012, AIP Advances, 2, 021901

124. 2012 “CANDELS Observations of the Structural Properties of Cluster Galaxies at $z = 1.62$ ” C. Papovich, R. Bassett, J. M. Lotz, A. van der Wel, K.-V. Tran, S. L. Finkelstein, E. F. Bell, C. J. Conselice, A. Dekel, J. S. Dunlop, Y. Guo, S. M. Faber, D. Farrah, H. C. Ferguson, K. D. Finkelstein, B. Häussler, D. D. Kocevski, A. M. Koekemoer, D. C. Koo, E. J. McGrath, R. J. McLure, D. H. McIntosh, I. Momcheva, J. A. Newman, G. Rudnick, B. Weiner, **C. N. A. Willmer**, S. Wyuts, 2012, ApJ, 750, 93

123. 2012 “AKARI Observation of the North Ecliptic Pole (NEP) Supercluster at $z = 0.087$: mid-infrared view of transition galaxies” J. Ko, M. Im, H. M. Lee, M. G. Lee, S. J. Kim, H. Shim, Y. Jeon, H. S. Hwang, **C. N. A. Willmer**, M. A. Malkan, C. Papovich, B. J. Weiner, H. Matsuhara, S. Oyabu, T. Takagi, 2012, ApJ, 745, 181

122. 2012 “A Chandra view of the $z=1.62$ galaxy cluster IRC-0218A” M. Pierre, N. Clerc, B. Maughan, F. Pacaud, C. Papovich, **C. N. A. Willmer**, 2012, A&A, 540, 4

121. 2012 “The DEEP3 Galaxy Redshift Survey: the impact of environment on the size evolution of massive early-type galaxies at intermediate redshift” M. C. Cooper, R. L. Griffith, J. A. Newman, A. L.

Coil, M. Davis, A. A. Dutton, S. M. Faber, P. Guhathakurta, D. C. Koo, J. M. Lotz, B. J. Weiner, **C. N. A. Willmer**, R. Yan, 2012, MNRAS, 419, 3018

120. 2012 “Autocorrelations of stellar light and mass at $z \sim 0$ and ~ 1 : from SDSS to DEEP2” L. Cheng, S. D. M. White, Y. Chen, A. L. Coil, M. Davis, G. De Lucia, Q. Guo, Y. P. Jing, G. Kauffmann, **C. N. A. Willmer**, W. Zhang, 2012, MNRAS, 419, 1557

119. 2011 “Observational constraints on the physics behind the evolution of active galactic nuclei since $z \sim 1$ ” A. Georgakakis, A. L. Coil, **C. N. A. Willmer**, K. Nandra, D. D. Kocevski, M. C. Cooper, D. J. Rosario, D. C. Koo, J. R. Trump, S. Juneau, 2011, MNRAS, 418, 2590

118. 2011 “Probing the Star Formation History and Initial Mass Function of the $z \sim 2.5$ Lensed Galaxy SMM J163554.2+661225 with Herschel” K. D. Finkelstein, C. Papovich, S. L. Finkelstein, **C. N. A. Willmer**, J. R. Rigby, G. Rudnick, E. Egami, M. Rieke, J.-D. T. Smith, 2011, ApJ, 742, 108

117. 2011 “The Hidden Mass and Large Spatial Extent of a Post-Starburst Galaxy Outflow” T. M. Tripp, J. D. Meiring, J. X. Prochaska, **C. N. A. Willmer**, J. C. Howk, J. K. Werk, E. B. Jenkins, D. V. Bowen, N. Lehner, K. R. Sembach, C. Thom, J. Tumlinson, 2011, Science, 334, 952

116. 2011 “Oxford SWIFT integral field spectrograph and multiwavelength observations of the Eagle galaxy at $z = 0.77$ ” S. A. Kassin, L. Fogarty, T. Goodsall, F. J. Clarrck R. W. C. Houghton, G. Slater, N. Thatte, M. Tecza, R. L. Davies, B. J. Weiner, **C. N. A. Willmer**, S. Salim, M. C. Cooper, J. A. Newman, K. Bundy, C. J. Conselice, A. M. Koekemoer, L. Lin, L. A. Moustakas, T. Wang, 2011, MNRAS, 417, 2882

115. 2011 “Evolution of the dusty infrared luminosity function from $z=0$ to $z = 2.3$ using observations from Spitzer” B. Magnelli, D. Elbaz, R. R. Chary, M. Dickinson, D. LeBorgne, D. T. Frayer, **C. N. A. Willmer**, 2011, A&A, 528, 35

114. 2011 “The DEEP3 Galaxy Redshift Survey: Keck/DEIMOS Spectroscopy in the GOODS-N Field” M. C. Cooper, J. A. Aird, A. L. Coil, M. Davis, S. M. Faber, S. Juneau, J. M. Lotz, K. Nandra, J. A. Newman, **C. N. A. Willmer**, R. Yan, 2011, ApJS, 193, 14

113. 2011 “How does galaxy environment matter? The relationship between galaxy environments, colour and stellar mass at $0.4 < z < 1$ in the Palomar/DEEP2 survey” R. Grützbaach, C. J. Conselice, J. Varela, K. Bundy, M. C. Cooper, R. Skibba, **C. N. A. Willmer**, 2011, MNRAS, 411 929

112. 2011 “AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei” R. Yan, L. C. Ho, J. A. Newman, A. L. Coil, **C. N. A. Willmer**, E. S. Laird, A. Georgakakis, J. Aird, P. Barmby, K. Bundy, M. C. Cooper, M. Davis, S. M. Faber, T. Fang, R. L. Griffith, A. M. Koekemoer, D. C. Koo, K. Nandra, S. Q. Park, V. L. Sarajedini, B. J. Weiner, S. P. Willner, 2010, ApJ, 728, 38

111. 2010 “Absence of evidence is not evidence of absence: the colour-density relation at fixed stellar mass persists to $z \sim 1$ ” M. C. Cooper, A. L. Coil, B. F. Gerke, J. A. Newman, K. Bundy, C. J. Conselice, D. J. Croton, M. Davis, S. M. Faber, P. Guhathakurta, D. C. Koo, L. Lin, B. J. Weiner, **C. N. A. Willmer**, R. Yan, 2010, MNRAS, 409, 337

110. 2010 “Host galaxy colour gradients and accretion disc obscuration in AEGIS $z \sim 1$ X-ray-selected active galactic nuclei” C. M. Pierce, J. M. Lotz, D. Salim, E. S. Laird, A. L. Coil, K. Bundy, **C. N. A. Willmer**, D. J. V. Rosario, J. R. Primack, S. M. Faber, 2010, MNRAS, 408, 139

109. 2010 “Tracing the filamentary structure of the galaxy distribution at $z \sim 0.8$ ” E. Choi, N. A. Bond, M. A. Strauss, A. L. Coil, M. Davis, **C. N. A. Willmer**, 2010, MNRAS, 406, 320

108. 2010 “Reversal of Fortune: Confirmation of an Increasing Star Formation-Density Relation in a Cluster at $z = 1.62$ ” K.-V. Tran, C. Papovich, A. Saintonge, M. Brodwin, J. S. Dunlop, D. Farrah, K. D.

Finkelstein, S. L. Finkelstein, J. Lotz, R. J. McLure, I. Momcheva, **C. N. A. Willmer**, 2010, ApJ, 719, L126

107. 2010 “Where do Wet, Dry, and Mixed Galaxy Mergers Occur? A Study of the Environments of Close Galaxy Pairs in the DEEP2 Galaxy Redshift Survey” L. Lin, M. C. Cooper, H.-Y. Jian, D. C. Koo, D. R. Patton, R. Yan, **C. N. A. Willmer**, A. L. Coil, T. Chiueh, D. J. Croton, B. F. Gerke, J. Lotz, P. Guhathakurta, J. A. Newman, 2010, ApJ, 718, 1158

106. 2010 “A Spitzer-selected Galaxy Cluster at $z = 1.62$ ” C. Papovich, I. Momcheva, **C. N. A. Willmer**, K. D. Finkelstein, S. L. Finkelstein, K.-V. Tran, M. Brodwin, J. S. Dunlop, D. Farrah, S. A. Khan, J. Lotz, P. McCarthy, R. J. McLure, M. Rieke, G. Rudnick, S. Sivanandan, F. Pacaud, M. Pierre, 2010, ApJ, 716, L1503

105. 2010 “The central energy source of 70 μm -selected galaxies: starburst or AGN?” M. Symeonidis, D. Rosario, A. Georgakakis, J. Harker, E. S. Laird, M. J. Page, **C. N. A. Willmer**, 2010, MNRAS, 403, 1474

104. 2010 “The evolution of the hard X-ray luminosity function of AGN.” J. Aird, K. Nandra, A. Georgakakis, M. N. L. Ashby, P. Barmby, A. L. Coil, J.-S. Huang, A. M. Koekemoer, C. C. Steidel, **C. N. A. Willmer**, 2010, MNRAS, 401, 2531

103. 2009 “Groups of galaxies in AEGIS: the 200-ks Chandra extended X-ray source catalogue.” T. E. Jeltema, B. F. Gerke, E. S. Laird, **C. N. A. Willmer**, A. L. Coil, M. C. Cooper, M. Davis, K. Nandra, J. A. Newman, MNRAS, 399, 715

102. 2009 “Paschen- α Emission in the Gravitationally Lensed Galaxy SMM J163554.2+661225.” C. Papovich, G. Rudnick, J. R. Rigby, **C. N. A. Willmer**, J.-D. T. Smith, S. L. Finkelstein, E. Egami, M. J. Rieke, ApJ, 704, 1506

101. 2009 “Nearby Galaxies in the 2 μm All Sky Survey. I. K-Band Luminosity Functions.” N. Devereux, S. P. Willner, M. L. N. Ashby, **C. N. A. Willmer**, P. Hriljac, ApJ, 702, 955

100. 2009 “AEGIS: The Clustering of X-Ray Active Galactic Nucleus Relative to Galaxies at $z \sim 1$.” A. L. Coil, A. Georgakakis, J. A. Newman, M. C. Cooper, D. Croton, M. Davis, D. C. Koo, E. S. Laird, K. Nandra, B. J. Weiner, **C. N. A. Willmer**, R. Yan, ApJ, 701, 1484

99. 2009 “Turning Back the Clock: Inferring the History of the Eight O’clock Arc.” S. L. Finkelstein, C. Papovich, G. Rudnick, E. Egami, E. Le Floc’h, M. J. Rieke, J. R. Rigby, **C. N. A. Willmer**, ApJ, 700, 376

98. 2009 “Infrared Spectrograph Spectroscopy and Multi-Wavelength Study of Luminous Star-Forming Galaxies at $z \sim 1.9$.” J.-S. Huang, S. M. Faber, E. Daddi, E. S. Laird, K. Lai, A. Omont, Y. Wu, J. D. Younger, K. Bundy, A. Cattaneo, S. C. Chapman, C. J. Conselice, M. Dickinson, E. Egami, G. G. Fazio, M. Im, E. Le Floc’h, C. Papovich, D. Rigopoulou, I. Smail, M. Song, P. P. van de Werf, T. M. A. Webb, **C. N. A. Willmer**, S. P. Willner, L. Yan, ApJ, 700, 183

97. 2009 “Spitzer Observations of Cold Dust Galaxies.” **C. N. A. Willmer**, G. H. Rieke, E. Le Floc’h, J. L. Hinz, C. W. Engelbracht, D. Marcillac, K. D. Gordon, AJ, 138, 146

96. 2009 “The $0.4 < z < 1.3$ star formation history of the Universe as viewed in the far-infrared.” B. Magnelli, D. Elbaz, R. R. Chary, M. Dickinson, D. Le Borgne, D. T. Frayer, **C. N. A. Willmer**, A&A, 496, 57

95. 2008 “Constraints on the Star Formation Histories of Galaxies from $z \sim 1$ to $z \sim 0$.” Y.-M. Chen, V. Wild, G. Kauffmann, J. Blaizot, M. Davis, K. Noeske, J.-M. Wang, **C. Willmer**, MNRAS, 393, 406

94. 2008 “AEGIS-X: The Chandra Deep Survey of the Extended Groth Strip.” E. S. Laird, K. Nandra, A. Georgakakis, P. Barmby, C. J. Conselice, A. L. Coil, M. Davis, S. M. Faber, G. G. Fazio, P. Guhathakurta, D. C. Koo, V. L. Sarajedini, **C. N. A. Willmer**, *ApJS*, 180, 102
93. 2008 “Black-Hole Accretion in Low-Mass Galaxies since $z \sim 1$.” Y. Shi, G. Rieke, J. Donley, M. Cooper, **C. Willmer**, E. Kirby, *ApJ*, 2008, 588, 794
92. 2008 “The Redshift Evolution of Wet, Dry, and Mixed Galaxy Mergers from Close Galaxy Pairs in the DEEP2 Galaxy Redshift Survey.” L. Lin, D. R. Patton, D. C. Koo, K. Casteels, C. J. Conselice, S. M. Faber, J. Lotz, **C. N. A. Willmer**, B. C. Hsieh, T. Chiueh, J. A. Newman, G. S. Novak, B. J. Weiner, M. C. Cooper, *ApJ*, 681, 232
91. 2008 “Absolute Physical Calibration in the Infrared.” G. H. Rieke, M. Blaylock, L. Decin, C. Engelbracht, P. Ogle, E. Avrett, J. Carpenter, R. M. Cutri, L. Armus, K. Gordon, R. O. Gray, J. Hinz, K. Su, **C. N. A. Willmer**, *AJ*, 135, 2245
90. 2008 “Metallicity Effects on Dust Properties in Starbursting Galaxies.” C. W. Engelbracht, G. H. Rieke, K. D. Gordon, J.-D. T. Smith, M. W. Werner, J. Moustakas, **C. N. A. Willmer**, L. Vanzi, *ApJ*, 678, 804
89. 2008 “The Environment on a Few Mpc Scales of Infrared Luminous Galaxies at Redshift $z \sim 1$.” D. Marcillac, G. H. Rieke, C. Papovich, **C. N. A. Willmer**, B. Weiner, A. L. Coil, M. C. Cooper, B. F. Gerke, J. Woo, J. A. Newman, A. Georgakakis, E. S. Laird, K. Nandra, G. G. Fazio, J. S. Huang, D. C. Koo, *ApJ*, 675, 1156
88. 2008 “Mid-Infrared Spectroscopy of Lensed Galaxies at $1 < z < 3$: The Nature of Sources Near the MIPS Confusion Limit.” J. R. Rigby, D. Marcillac, E. Egami, G. H. Rieke, J. Richard, J.-P. Kneib, D. Fadda, **C. N. A. Willmer**, C. Borys, P. P. van der Werf, P. G. Pérez-González, K. K. Knudsen, C. Papovich, *ApJ*, 675, 262
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