

Curriculum Vitae of Laura Ferrarese

June 1, 2016

I. PERSONAL DATA:

Name: Laura Ferrarese
Birth: Padova (Italy), December 7, 1965.
Citizenship: Italian and Canadian
Current Position: Principal Research Officer
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II. EDUCATION

1996 Ph.D. (Physics), Johns Hopkins University, Baltimore, MD, USA (advisor Prof. H.C. Ford)
1992 Master of Arts, Johns Hopkins University, Baltimore, MD, USA.
1989 Laurea degree (astrophysics), University of Padova, Italy (110/110 cum laude, advisor Prof. C. Barbieri).

III. EMPLOYMENT HISTORY

2012 – present: Principal Research Officer, Herzberg Astronomy and Astrophysics Program, National Research Council, Canada.
2004 – 2012: Senior Research Officer, Herzberg Institute of Astrophysics, National Research Council, Canada.
2005 – present: Adjunct Associate Professor, University of Victoria, Canada
2003 – present: Visiting Professor, University of Padova, Italy.
2004: Associate Professor, Rutgers University, Piscataway, NJ.
2000 – 2003: Assistant Professor, Rutgers University, Piscataway, NJ.
1999 – 2000: Assistant Research Astronomer, University of California Los Angeles, CA.
1996 – 1999: Hubble Postdoctoral Fellow, California Institute of Technology, Pasadena, CA.
1990 – 1991: Technical Assistant for the Goddard High Resolution Spectrograph, Space Telescope Science Institute, Baltimore, MD.

IV. PROFESSIONAL ASSOCIATIONS AND COMMITTEES

Science and Instrument Teams:

- 2010 – 2011: Mission Chief Scientist for *High-z* (a proposed NASA Explorer Class Mission)
 2009 – 2012: Member, TMAKA Science Team (a proposed Wide Field Imager for CFHT)
 2007 – 2009: CoI, CSA Discipline Working Group on Wide-Field Imaging from Space
 2005 – present: Member, JWST/NIRCAM Science Team
 2005 – present: Member, JWST/NIRISS Science Team
 2005 – 2007: Member, TMT/IRIS Science Team

Professional Associations:

- 2006 – present: IAU
 2004 – present: CASCA

National and International Committees:

- 2015 – 2018: Secretary, CFHT Board of Directors
 2014 – 2016: Member, AURA Oversight Council for Gemini (Chair, 2015 – 2016)
 2015 – 2016: Member, AURA Board of Directors
 2014 – 2015: Chair, CASCA/ACURA TMT Planning Committee
 2014 – 2016: Past-President, Canadian Astronomical Society (CASCA)
 2012 – 2014: President, Canadian Astronomical Society (CASCA)
 2012 – 2014: Chair, IAU National Committee for Astronomy
 2012 – present: Member, CASCA's Long Range Plan Implementation Committee
 2012 – 2014: Member, Association of Canadian Universities for Research in Astronomy (ACURA)
 2012 – 2014: Co-Chair, Coalition for Canadian Astronomy
 2009 – 2012: Vice-President, CASCA
 2009 – 2012: Member, CASCA/CSA's Joint Committee for Space Astronomy (Chair, 2012)
 2007 – 2010: Member, Canadian Gemini Science Committee
 2006 – 2009: Member, CFHT Science Advisory Committee (vice-Chair, 2008)
 2004 – 2007: Member, Hubble Space Telescope User Committee

Review Panels:

- 2011: Member, Instrument Review Panel for the Giant Magellan Telescope
 2011: Panel Chair, HST time allocation committee.
 2010 – 2012: Panel Chair, ESO time allocation committee
 2007: Chair, Canadian Time Allocation Committee (CFHT/Gemini)
 2006 – 2008: Member, Canadian Time Allocation Committee (CFHT/Gemini)
 2001, 2005, 2006: Member, HST time allocation committee
 2000: Member, NASA/LTSA Review Panel
 Since 1995: Referee for ApJ, AJ, MNRAS, Nature, A&A, PASP, PASJ.

V. FELLOWSHIPS and AWARDS

CASCA Peter G. Martin Award	2015	
Queen Elizabeth II Diamond Jubilee Medal	2012	
Canadian Advanced Network for Astronomical Research (CANFAR, CoI)	2008 – 2010	\$ 2,294,287
NSERC/Discovery Grant (PI)	2007 – 2011	\$ 107,575
HST/GO-9838 (PI)	2003 – 2005	\$ 71,761
HST/GO-9448 (PI)	2002 – 2004	\$ 47,128
NASA/LTSA (PI)	1999 – 2004	\$ 550,120
HST/GO-9401 (CoI)	2002 – 2004	\$ 73,862
Chandra/3700456 (PI)	2001 – 2003	\$ 45,340
HST/GO-9043 (CoI)	2001 – 2003	\$ 39,547
HST/GO-8677 (PI)	2000 – 2001	\$ 83,880
HST/GO-8584 (CoI)	2000 – 2001	\$ 27,976
Hubble Fellowship (PI)	1996 – 1999	\$ 203,159
HST/GO-7862 (PI)	1998 – 1999	\$ 31,213

VI. PRESENTATIONSPRIZE LECTURES

- CASCA Martin Lecture (2015)
- CASCA/RASC Helen Sawyer Hogg Lecture (2014)
- Whitford Lecture at the University of Wisconsin-Madison (2013)
- Distinguished Lecturer at the University of Waterloo (2013)

SEMINARS and COLLOQUIA GIVEN SINCE 2000

- USA: National Radio Astronomy Observatory (Charlottesville), Johns Hopkins University; University of California Santa Cruz; Institute for Astronomy, University of Hawaii; Columbia University; Stanford University; California Institute of Technology; Jet Propulsion Laboratory; University of Colorado; Harvard University; Ohio State University; University of Washington; University of Chicago; University of California, Los Angeles; University of Minnesota; University of Florida; Washington State University; Drexel University; NRAO (Socorro); New Mexico State University; San Francisco State University; San Diego State University.
- Canada: Origins Institute, McMaster University; University of Toronto; University of British Columbia; University of Victoria; Herzberg Institute of Astrophysics; University of Waterloo; McGill University; Queen's University; University of Alberta.
- Other: Institute for Theoretical Physics, Universität Innsbruck; Università degli studi di Padova; Università degli studi di Bologna; Leiden University; Observatoire de Paris (Meudon).

INVITED and REVIEW TALKS GIVEN at INTERNATIONAL CONFERENCES

- 2015 – Honolulu, Hawaii – IAUS 317: The General Assembly of Galaxy Halos: Structure, Origin and Evolution
 – Tenerife, Spain – The Journey of Dwarf Galaxies
- 2014 – Leiden, the Netherlands – Nuclear Clusters in Galaxies, and the Role of the Environment
- 2013: – Santiago, Chile – Deconstructing Galaxies.
 – Campbell River, Canada – CFHT Users’ Meeting
- 2012: – Munich, Germany – Science from the Next Generation Imaging and Spectroscopic Surveys
- 2011: – Lisbon, Portugal – AGN Research with the ELT
 – Munich, Germany – Fornax, Virgo, Coma et al.
- 2010: – Taipei, Taiwan – 2010 CFHT User Meeting.
 – Venice, Italy – HST: Two Decades and Counting.
 – Seoul, Korea – Galaxy Formation Forum
 – Munich, Germany – Central Massive Objects: The Stellar Nuclei - Black Hole Connection
- 2009: – Rio de Janeiro, Brazil – IAU267: Co-evolution of Central Black Holes and Galaxies
- 2008: – Cefalu, Italy – Probing Stellar Populations Out to the Distance Universe
 – Leiden, the Netherlands – Central Mass Concentrations in Galactic Nuclei.
 – Bonn, Germany – The Universe Under the Microscope.
- 2007: – Ringberg, Germany – The Impact of AGN Feedback on Galaxy Formation.
 – Oxford, England – IAU Symposium No. 245: Formation and Evolution of Galaxy Bulges.
- 2006: – Prague, Czech Republic - IAU Symposium No. 238: Black Holes - from Stars to Galaxies
 – Beijing, China, 36th COSPAR Scientific Assembly.
 – Calgary, Canada. 208th Meeting of the American Astronomical Society, invited Plenary Talk.
 – Venice, Italy, “Galaxies and Structures Through Cosmic Times”.
- 2005: – Elba, Italy, “Superunification of Active Galactic Nuclei”.
 – Irvine, CA, USA, “17th annual Frontiers of Science Symposium of the National Academy of Science”.
 – Cape Town, South Africa : IAU Symposium #232, “Scientific Requirements for Extremely Large Telescopes”
- 2004: – Aspen, USA – Workshop on Formation of Supermassive Black Holes
 – Baltimore, USA – STScI May Symposium
- 2003: – Rio de Janeiro, Brazil – Marcel Grossman Meeting on General Relativity
- 2002: – Florence, Italy – Texas Symposium on Relativistic Astrophysics
 – Munich, Germany – Ringberg meeting “The Centers of Galaxies”
 – Hilo, Hawaii – SPIE conference
 – Cambridge University, England – “Making Light of Gravity”
 – University of Chicago, USA – “Hubble Science Legacy Workshop”

- Institute for Theoretical Physics, Santa Barbara, USA - “Black Holes: Theory Confronts Reality, Three Years Later”
- 2001: - Korean Institute for Advanced Studies, Seoul, Korea - “Current High Energy Emission Around Black Holes”
- 1999: - Dominion Astrophysical Observatory, Victoria, Canada - “Towards an Understanding of Cosmic Flows of Large-Scale Structures”
- 194th Meeting of the American Astronomical Society, Chicago, USA

PUBLIC LECTURES AND OUTREACH

Galileo Lecturer for the 2009 International Year of Astronomy (seven public talks given across Canada). Several talks given at the Royal Astronomical Society of Canada (Victoria) and other amateur astronomy organizations in Canada, the US and Italy.

VII. OBSERVING EXPERIENCE

SPACE BASED OBSERVATORIES

Suzaku	“Witnessing the Growth of the Nearest Galaxy Cluster” (920 ks, CoI)
HST/WF3	“A Cepheid Distance to NGC6814” (GO-12961, 19 orbits, CoI)
HST/STIS	“The Nuclear to Global Connection: a Detailed View of Compact Stellar Nuclei in a Complete Sample of Virgo Ellipticals” (GO-12236, 33 orbits, CoI)
HST/WFC3	“Calibration of Surface Brightness Fluctuations for WFC3/IR”; (GO-11712, 16 orbits, CoI)
HST/ACS	“The Extreme Globular Cluster System of Abell 1689: The Ultimate Test of Universal Formation Efficiency” (GO-11710, 28 orbits, CoI)
HST/ACS	“A Definitive Distance to the Coma Core Ellipticals” (GO-11711, 11 orbits, CoI)
HST/ACS	“Calibration of ACS F814W Surface Brightness Fluctuations (6 orbits, GO-10911, CoI)
HST/ACS	“The Unique Star Cluster System of M85” (20 orbits, GO-10515, CoI)
HST/ACS	“A Proper Motion Search for Intermediate Mass Black Holes in Globular Clusters” (10 orbits, GO-10841, CoI)
HST/ACS	“The ACS Fornax cluster survey” (43 orbits, GO-10217, CoI)
HST/ACS	“The ACS Virgo Cluster Survey” (100 orbits, GO-9401, CoI)
HST/ACS+STIS	“The Upper End of the Supermassive Black Hole Mass Function: Pushing the 10 Billion Solar Mass Limit” (29 orbits, GO-9838, PI)
HST/ACS+STIS	“AGN Black Hole Masses from Stellar Dynamics” (15 orbits, GO-9849, CoI)

HST/WFPC2	“Nuclear Dynamics of NGC 205: Probing the Low Mass End of the M- σ Relation” (14 orbits, GO-9448, PI)
HST/WFPC2	“Cepheid Distances to Early Type Galaxies” (55 orbits, GO-9043, CoI)
HST/WFPC2	“Calibrating the Metallicity Dependence of the Cepheid PL Relation” (28 orbits, GO-8584, CoI)
HST/WFPC2	“Extragalactic Novae: the Maximum Magnitude - Rate of Decline Relation in NGC 4472” (24 orbits, GO-8677, PI)
HST/WFPC2	“The Nature of Dusty Nuclear Disks in Early-Type Galaxies” (Archival, ARC-8386, CoI)
HST/WFPC2	“The HST Key Project on the Extragalactic Distance Scale” (GO-6294, GO-6431 & GO-7502, CoI)
HST/WFPC2	“Dynamics and Ages of Nuclear Disks in Virgo E/S0 Galaxies” (10 orbits, GO-6107, CoI)
HST/WFPC2	“Nuclear Disks in Radio Galaxies” (10 orbits, GO-5927, CoI)
HST/WFPC2+NICMOS	“The Structure, Formation and Evolution of Galactic Cores and Stellar Nuclei” (199 orbits, GO-11083, CoI)
HST/WFPC2/FOS	“Kinematics of the Ionized Gas in the Dusty Nuclear Disk in NGC 6251: An Excellent Candidate for a Massive Black Hole” (17 orbits, GO-6653, CoI)
HST/WFPC2/FOS	“High Resolution Kinematics of the Disk Around the Active Nucleus in NGC 4261.” (GO-5432, CoI)
HST/NICMOS	“A Search for Near Infrared H ₂ emission in Active Elliptical Galaxies” (21 orbits, GO-7862, PI)
Spitzer	“Hot Dust in Cool Cores” (5.2 hours, GO-3506, CoI)
Spitzer	“The optical/Infrared Dust Properties of Early Type Galaxies” (24.5 hours; GO-3649, CoI)
Chandra	“Demographics of Black Holes in the Local Universe” (185,000 seconds, GO-08700652, CoI)
Chandra	“Low Mass X-ray Binaries and Globular Clusters in Virgo and non-Virgo Early Type Galaxies from the Chandra Archive” (Archival, GO-4600150, CoI)
Chandra	“Low Mass X-ray Binaries and Globular Clusters in Virgo Early Type Galaxies” (44,000 seconds, GO-4600136, CoI)
Chandra	“Galaxies with Supermassive Black Holes: a Complete Picture from the Chandra Archive” (Archival, GO-3700456, PI)
Chandra	“The Extraordinary Globular Cluster System of M87: The View from Chandra” (128,000 seconds, GO-3400562, CoI)
XMM-Newton	“Identity of Nuclear X-ray Sources in Bulge-less Galaxies” (135,000 seconds, proposal number 065245, CoI)
XMM-Newton	“The nature of nuclear X-ray sources in nearby late-type galaxies” (52,000 seconds, proposal number 060292, CoI)
XMM-Newton	“Uncovering AGNs in Nearby Spiral Galaxies” (73,000 seconds, proposal number 050361, CoI)

GROUND BASED OBSERVATORIES

Ground based observing experience include optical and infrared imaging and spectroscopic runs at the Keck I & II Telescopes; MMT Observatory, Magellan

Telescope, VLT, Gemini Observatory, CFHT, Anglo Australian Telescope; William Hershel Telescope; Infrared Telescope Facility; Palomar 200-inch Hale Telescope and 60-inch Telescope; Kitt Peak 4m and 2.1m Telescopes; MDM 2.4m Telescope,.

PI of the “Next Generation Virgo Cluster Survey”, a ~900 hour CFHT Large Programme approved for the 2009A-2012A semesters.

VIII. DIDACTICAL EXPERIENCE

CLASSES TAUGHT AND DEVELOPED

Physics 580: Topics in Galaxies University of Victoria, Spring 2007. Graduate class, four lectures. Enrollment 8 students.

Physics 441/541: Stars and Star Formation. Rutgers University, Spring 2004. Graduate class, enrollment approx. 10 students.

Physics 109: Astronomy and Cosmology (The Solar System) Rutgers University, Fall 2002. Undergraduate class, enrollment approx. 300 students.

Physics 110: Astronomy and Cosmology (Stars and Galaxies) Rutgers University, Spring 2003 and Fall 2003. Undergraduate class, enrollment 300 students.

The Nature of Galactic Cores: Università di Padova, Italy, January 2007. Series of six lectures, taught as part of the upper level undergraduate Astrophysics class held by Prof. Francesco Bertola. Enrollment ~25 students.

Galactic Dynamics and the Evolution of Supermassive Black Holes: Università di Padova, Italy, May 2003 and 2005. Series of six lectures, taught as part of the upper level undergraduate Astrophysics class held by Prof. Francesco Bertola. Enrollment ~25 students.

Observational Evidence for Supermassive Black Holes: SIGRAV School on Contemporary Relativity and Gravitational Physics, Como, Italy, May 2003. Series of six upper level graduate lectures. Enrollment 35 students.

MENTORING

I am currently working closely with the following Postdoctoral Fellows:

- Dr. Joel Roediger, Postdoctoral Fellow, NRC/HIA, 2014-present
- Dr. Ruben Sanchez-Janssen, Postdoctoral Fellow, NRC/HIA, 2013-present

Past Students/Postdoctoral Fellows:

- Dr. Lauren MacArthur, Postdoctoral Fellow, University of Victoria, 2009-2013

- Dr Ronald Laesker, PhD student, University of Victoria and Heidelberg University, graduated in 2013.
- Dr. Lisa Glass, PhD student, University of Victoria, graduated in 2012.
- Dr. Elena Dalla Bonta, PhD student, University of Padova. Co-supervised with Professor Francesco Bertola, graduated in 2007.
- Dr. Danilo Marchesini, PhD student, SISSA, Italy. Co-supervised with Dr. Annalisa Celotti, graduated in 2004.
- Ms. Bonita De Swart, Master student, Rutgers University, graduated in 2005.
- Dr. Dalia Chakrabarty, Postdoctoral Fellow, Rutgers University (2002-2004).

IX. PUBLICATIONS

REFEREED PAPERS (Total citations: 17,954; h-index: 59)

147. **Ferrarese, L.**, Côté, P., et al., 2016, *ApJ*, in press: The Next Generation Virgo Cluster Survey (NGVS). XIII. The Luminosity and Mass Function of Galaxies in the Core of the Virgo Cluster and the Contribution from Disrupted Satellites
146. Toloba, E., Li, B., Guhathakurta, P., Peng, E.W., **Ferrarese, L.**, et al. 2016, *ApJ*, 822, 51: The Next Generation Virgo Cluster Survey XVI: The Angular Momentum of Dwarf Early-type Galaxies from Globular Cluster Satellites
145. Shankar, F., Bernardi, M., Sheth, R.K., **Ferrarese, L.**, et al., 2016, *MNRAS*, in press: Selection bias in dynamically-measured super-massive black holes: its consequences and the quest for the most fundamental relation
144. Sanchez-Janssen, R., **Ferrarese, L.**, MacArthur, L.A., et al. 2016, *ApJ*, 820, 69: The Next Generation Virgo Cluster Survey. VII. The Intrinsic Shapes of Low-luminosity Galaxies in the Core of the Virgo Cluster, and a Comparison with the Local Group
143. Lokhorst, D., Starkenburg, E., McConnachie, A.W., Navarro, J., **Ferrarese, L.**, et al. 2016, *ApJ*, 819, 124: The Next Generation Virgo Cluster Survey. XIX. Tomography of Milky Way Substructures in the NGVS Footprint
142. Boselli, A., Cuillandre, J. C., Fossati, M., Boissier, S., Bomans, D., Consolandi, G., Anselmi, G., Cortese, L., Côté, P., Durrell, P., **Ferrarese, L.**, Fumagalli, M., Gavazzi, G., Gwyn, S., Hensler, G., Sun, M., Toloba, E. 2016, *A&A*, 587, 68: Spectacular tails of ionized gas in the Virgo cluster galaxy NGC 4569
141. Liu, Y., Peng, E.W., Blakeslee, J., Côté, P., **Ferrarese, L.**, Jordán, A., Puzia, T.H., Toloba, E., Zhang, H-X. 2016, *ApJ*, 818, 179: Evidence for the Rapid Formation of Low-mass Early-type Galaxies in Dense Environments

140. Boselli, A., Boissier, S., Voyer, E., **Ferrarese, L.**, Consolandi, G., Cortese, L., Côté, P., Cuillandre, J. C., Gavazzi, G., Gwyn, S., et al. 2016, *A&A*, 585, 2: The GALEX Ultraviolet Virgo Cluster Survey (GUViCS). VI. The UV luminosity function of the Virgo cluster and its surrounding regions.
139. Smith, R., Sánchez-Janssen, R., Beasley, M. A., Candlish, G. N., Gibson, B. K., Puzia, T. H., Janz, J., Knebe, A., Aguerri, J. A. L., Lisker, T., Hensler, G., Fellhauer, M., **Ferrarese, L.**, Yi, S. K., 2015, *MNRAS*, 454, 2502: The sensitivity of harassment to orbit: mass loss from early-type dwarfs in galaxy clusters
138. Jordán, Andrés, Peng, Eric W., Blakeslee, John P., Côté, Patrick, Eyheramendy, Susana, **Ferrarese, Laura**, 2015, *ApJS*, 221, 13: The ACS Fornax Cluster Survey. XI. Catalog of Globular Cluster Candidates
137. Muñoz, Roberto P., Eigenthaler, Paul, Puzia, Thomas H., Taylor, Matthew A., Ordenes-Briceño, Yasna, Alamo-Martínez, Karla, Ribbeck, Karen X., Ángel, Simón, Capaccioli, Massimo, Côté, Patrick, **Ferrarese, Laura**, Galaz, Gaspar, Hempel, Maren, Hilker, Michael, Jordán, Andrés, Lançon, Ariane, Mieske, Steffen, Paolillo, Maurizio, Richtler, Tom, Sánchez-Janssen, Ruben, Zhang, Hongxin, 2015, *ApJ*, 813, 15: Unveiling a Rich System of Faint Dwarf Galaxies in the Next Generation Fornax Survey
136. Liu, Chengze, Peng, Eric W., Toloba, Elisa, Mihos, J. Christopher, **Ferrarese, Laura**, Alamo-Martínez, Karla, Zhang, Hong-Xin, Côté, Patrick, Cuillandre, Jean-Charles, Cunningham, Emily C., et al., 2015, *ApJ*, 812, 2, The Most Massive Ultra-compact Dwarf Galaxy in the Virgo Cluster
135. Liu, Chengze, Peng, Eric W., Côté, Patrick, **Ferrarese, Laura**, Jordán, Andrés, Mihos, J. Christopher, Zhang, Hong-Xin, Muñoz, Roberto P., Puzia, Thomas H., Lançon, Ariane, et al., 2015, *ApJ*, 812, 34: The Next Generation Virgo Cluster Survey. X. Properties of Ultra-compact Dwarfs in the M87, M49, and M60 Regions.
134. Mihos, J. Christopher, Durrell, Patrick R., **Ferrarese, Laura**, Feldmeier, John J., Côté, Patrick, Peng, Eric W., Harding, Paul, Liu, Chengze, Gwyn, Stephen, Cuillandre, Jean-Charles, 2015, *ApJ*, 809, 21: Galaxies at the Extremes: Ultra-diffuse Galaxies in the Virgo Cluster
133. Grossauer, J., Taylor, J., **Ferrarese, L.**, MacArthur, L.A., Côté, P., Roediger, J., Courteau, S., Cuillandre, J.C., Duc, P.A., Durrell, P., Gwyn, S., Jordan, A., Mei, S., Peng, E., 2015, *ApJ*, 807, 88: The Next Generation Virgo Cluster Survey. IX. Estimating the Efficiency of Galaxy Formation on the Lowest Mass Scales.
132. Viaene, S., De Geyter, G., Baes, M., Fritz, J., Bendo, G. J., Boquien, M., Boselli, A., Bianchi, S., Cortese, L., Côté, P., Cuillandre, J.-C., De Looze, I., di Serego Alighieri, S., **Ferrarese, L.**, Gwyn, S. D. J., Hughes, T. M., Pappalardo, C., 2015, *A&A*, 579, 103: NGC 4370: a case study for testing our ability to infer dust distribution and mass in nearby galaxies

131. Li, Biao; Peng, Eric W.; Zhang, Hong-xin; Blakeslee, John P.; Côté, Patrick; **Ferrarese, Laura**; Jordán, Andrés; Liu, Chengze; Mei, Simona; Puzia, Thomas H., et al., 2015, ApJ, 806, 133: A Gemini/GMOS Study of Intermediate Luminosity Early-type Virgo Cluster Galaxies. I. Globular Cluster and Stellar Kinematics
130. Guérou, A., Emsellem, E., McDermid, R. M.; Côté, P., **Ferrarese, L.**, Blakeslee, J.P.; Durrell, P.R., MacArthur, L.A., Peng, E.W., Cuillandre, J.c., Gwyn, S. 2015, ApJ, 804, 70: The Next Generation Virgo Cluster Survey. XII. Stellar Populations and Kinematics of Compact, Low-mass Early-type Galaxies from Gemini GMOS-IFU Spectroscopy.
129. Zhang, H., Peng, E.W., Côté, P., Liu, C., **Ferrarese, L.**, Cuillandre, J.C.; Caldwell, N., Gwyn, S., Jordán, A., Lançon, A., et al., 2015, ApJ, 802, 30: The Next Generation Virgo Cluster Survey. VI. The Kinematics of Ultra-compact Dwarfs and Globular Clusters in M87.
128. Durrell, P., Côté, P.; Peng, E. W.; Blakeslee, J. P.; **Ferrarese, L.**; Mihos, J. C.; Puzia, T. H.; Lançon, A.; Liu, C.; Zhang, H., et al. 2014, ApJ, 794, 103: The Next Generation Virgo Cluster Survey. VIII. The Spatial Distribution of Globular Clusters in the Virgo Cluster.
127. Raichoor, A., et al. 2014, ApJ, 797, 102: The Next Generation Virgo Cluster Survey. XV. The photometric redshift estimation for background sources.
126. Zhu, L., et al. 2014, ApJ, 792, 59: The Next Generation Virgo Cluster Survey. V. Modeling the Dynamics of M87 with the Made-to-measure Method.
125. Voyer, E., Boselli, A.; Boissier, S.; Heinis, S.; Cortese, L.; **Ferrarese, L.**; Cote, P.; Cuillandre, J.-C.; Gwyn, S. D. J.; Peng, E. W. A&A, 569, 124: The GALEX Ultraviolet Virgo Cluster Survey (GUViCS). III. The ultraviolet source catalogs.
124. Onken, C. A.; Valluri, M.; Brown, J. S.; McGregor, P. J.; Peterson, B. M.; Bentz, M. C.; **Ferrarese, L.**; Pogge, R. W.; Vestergaard, M.; Storchi-Bergmann, T.; Riffel, R. A., 2014, ApJ, 791, 37: The Black Hole Mass of NGC 4151. II. Stellar Dynamical Measurement from Near-infrared Integral Field Spectroscopy
123. Lasker, R., **Ferrarese, L.**, van de Ven, G., & Shankar, F. 2014: Supermassive Black Holes and Their Host Galaxies – II. The correlation with near-infrared luminosity revisited, ApJ, 780, 70
122. Lasker, R., **Ferrarese, L.** & van de Ven, G 2014: Supermassive Black Holes and Their Host Galaxies – I. Bulge luminosities from dedicated near-infrared data, ApJ, 780, 69
121. Vanderbeke, J., West, M.J., De Propris, R., Peng, E.W., Blakeslee, J.P., Jordán, A., Côté, P., Gregg, M., **Ferrarese, L.**, Takamiya, M., Baes, M., 2014: G2C2 - II. Integrated colour-metallicity relations for Galactic globular clusters in SDSS passbands, MNRAS, 437, 1734

120. Vanderbeke, J., West, Michael J., De Propris, R., Peng, E.W., Blakeslee, J.P., Jordán, A., Côté, P., Gregg, M., **Ferrarese, L.**, Takamiya, M., Baes, M. 2014: G2C2 - I. Homogeneous photometry for Galactic globular clusters in SDSS passbands, MNRAS, 437, 1725
119. Muñoz, R. P., Puzia, T.H., Lançon, A., Peng, E.W., Côté, P., **Ferrarese, L.**, et al. 2013: The Next Generation Virgo Cluster Survey-Infrared (NGVS-IR). I. A New Near-Ultraviolet, Optical, and Near-Infrared Globular Cluster Selection Tool, ApJS, 210, 4
118. Somers, G., Mathur, S., Martini, P., Watson, L., Grier, C.J., **Ferrarese, L.** 2013: Discovery of a Large Population of Ultraluminous X-Ray Sources in the Bulgeless Galaxies NGC 337 and ESO 501-23, ApJ, 777, 7
117. Chen, Y.-T., Kavelaars, J.J., Gwyn, S., **Ferrarese, L.**, Côté, P., Jordán, A., Suc, V., Cuillandre, J.-C., Ip, W.-H. 2013: Discovery of a New Member of the Inner Oort Cloud from the Next Generation Virgo Cluster Survey, ApJL, 775, 8
116. Alamo-Martínez, K. A., Blakeslee, J. P., Jee, M. J., Côté, P., **Ferrarese, L.**, González-Lópezlira, R. A., Jordán, A., Meurer, G. R., Peng, E. W., West, M. J. 2013: The Rich Globular Cluster System of Abell 1689 and the Radial Dependence of the Globular Cluster Formation Efficiency, ApJ, 775, 20
115. Grier, C. J., Martini, P., Watson, L. C., Peterson, B. M., Bentz, M. C., Dasyra, K. M., Dietrich, M., **Ferrarese, L.**, Pogge, R. W., Zu, Y. 2013: Stellar Velocity Dispersion Measurements in High-luminosity Quasar Hosts and Implications for the AGN Black Hole Mass Scale, ApJ, 773, 90
114. Wang, Q., Peng, E.W., Blakeslee, J.P., Côté, P., **Ferrarese, L.**, Jordán, A., Mei, S., West, M.J. 2013: The ACS Virgo Cluster Survey. XVII. The Spatial Alignment of Globular Cluster Systems with Early-type Host Galaxies, ApJ, 769, 145
113. Paudel, S., Duc, P.-A., Cote, P., Cuillandre, J.C., **Ferrarese, L.**, Ferriere, E., Gwyn, S.D.J., Mihos, J.C., Vollmer, B., Balogh, M.L. et al. 2013: The Next Generation Virgo Cluster Survey. IV. NGC 4216: A Bombarded Spiral in the Virgo Cluster, ApJ, 767, 133
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