

Tommaso Treu - Bibliography

(as of November 2009)

Refereed Publications:

- 93)** Gallo, E., **Treu, T.**, Marshall, P.J., Woo, J.-H., Leipsk, C., Antonucci, R. 2009, ApJ, submitted AMUSE-VIRGO. II: Downsizing in black hole accretion
- 92)** Suyu, S.H., Marshall, P.J., Auger, M.W., Hilbert, S., Blandford, R.D., Koopmans, L.V.E., Fassnacht, C.D., **Treu, T.** 2009, MNRAS, submitted, Dissecting the Gravitational Lens B1608+656. II. Precision Measurements of the Hubble Constant, Spatial Curvature, and the Dark Energy Equation of State
- 91)** Vegetti, S., Koopmans, L.V.E., Bolton, A.S., **Treu, T.**, Gavazzi, R. 2009, MNRAS, submitted, Detection of a Dark Substructure through Gravitational Imaging
- 90)** McKean, J.P., Auger, M.W., Koopmans, L.V.E., Vegetti, S., Czoske, O., Fassnacht, C.D., **Treu, T.**, More, A., Kocevski, D.D. 2009, MNRAS, submitted, The mass distribution of a moderate redshift galaxy group and brightest group galaxy from gravitational lensing and kinematics
- 89)** Lagattuta, D.J., Fassnacht, C.D., Auger, M.W., Marshall, P.J., Bradac, M., **Treu, T.**, Gavazzi, R., Shrabback, T., Faure, C., Anguita, T., 2009, ApJ, submitted. Cosmic evolution of virial and stellar mass in early-type galaxies
- 88)** Bennert, N., **Treu, T.**, Woo, J.-H., Malkan, M.A., Le Bris, A., Auger, M.W., Gallagher, S., Blandford, R.D. 2009, ApJ, submitted, Cosmic evolution of black holes and spheroids. IV. The M-L relation
- 87)** Nipoti, C., **Treu, T.**, Auger, M.W., Bolton, A.S., 2009, ApJL, in press, Can dry merging explain the size evolution of early-type galaxies?
- 86)** Morganson, E., Marshall, P.J., **Treu, T.**, Shrabback, T., Blandford, R.D., 2009, MNRAS, submitted, Direct Observation of Cosmic Strings via their Strong Gravitational Lensing Effect: II. Results from the HST/ACS Image Archive
- 85)** **Treu, T.**, Auger, M.W., Koopmans, L.V.E., Gavazzi, R., Marshall, P.J., Bolton, A.S. 2009, ApJ, submitted, The initial mass function of early-type galaxies

- 84)** Auger, M.W., **Treu, T.**, Bolton, A.S., Gavazzi, R., Koopmans, L.V.E., Marshall, P.J., Bundy, K., Moustakas, L.A. 2009, ApJ, 705, 1099, The Sloan Lens ACS Survey. IX. Colors, lensing and stellar masses of early-type galaxies
- 83)** Shields, G.A., Rosario, D.J., Smith, K.L., Bonning, E.W., Salviander, S., Kalirai, J.S., Strickler, R., Ramirez-Ruiz, E., Dutton, A.A., **Treu, T.**, Marshall, P.J. 2009, ApJ, in press, The Quasar SDSS J105041.35+345631.3: Black Hole Recoil or Extreme Double-Peaked Emitter?
- 82)** Walsh, J.L., Minezaki, T., Bentz, M.C., Barth, A.J., Baliber, N., Li, W., Stern, D., Bennert, N., Brown, T.M., Canalizo, G., Filippenko, A.V., Gates, E.L., Greene, J.E., Hidas, M.G., Malkan, M.A., Sakata, Y., Street, R.A., **Treu, T.**, Woo, J.H., Yoshii, Y., 2009, ApJS, 185, 156: The Lick AGN monitoring project: photometric light curves and optical variability timescales
- 81)** Bentz, M.C., Walsh, J.L., Barth, A.J., Baliber, N., Bennert, N., Canalizo, G., Filippenko, A.V., Ganeshalingam, M., Gates, E.L., Greene, J.E., Hidas, M.G., Hiner, K.D., Lee, N., Li, W., Malkan, M.A., Minezaki, T., Sakata, Y., Serduke, F.J., Shiode, J.H., Silverman, J.M., Steele, T.N., Stern, D., Street, R.A., Thornton, C.E., **Treu, T.**, Wang, X., Woo, J.H., Yoshii, Y., 2009, ApJ, 705, 199: The Lick AGN monitoring project: broad line region radii and black hole masses from reverberation mapping of H β
- 80)** MacArthur, L.A., Ellis, R.S., **Treu, T.**, Moran, S.M. 2009, ApJL, submitted: “Environmental effects in the evolution of galactic bulges”
- 79)** Bradac, M., **Treu, T.**, Applegate, D., Gonzalez, A.H., Clowe, D., Jones, C., Marshall, P.J., Schneider, P., Zaritsky, D. 2009, ApJ, in press: Focusing cosmic telescopes: exploring redshift 5-6 galaxies with the bullet cluster 1E0657-56
- 78)** Nipoti, C., **Treu, T.**, Bolton, A.S., 2009, ApJ, 703, 1531: Dry mergers and the formation of early-type galaxies: constraints from lensing and dynamics
- 77)** Koopmans, L.V.E., Bolton, A.S., **Treu, T.**, Czoske, O., Auger, M.W., Barnabe', M., Vegetti, S., Gavazzi, R., Moustakas, L.A., Burles, S.C. 2009, ApJL, 703, L51: The structure and dynamics of massive early-type galaxies: on homology, isothermality and anisotropy inside one effective radius
- 76)** Newman, A.B., **Treu, T.**, Ellis, R.S., Sand, D.J., Richard, J., Marshall, P.J., Capak, P., Miyazaki, S. 2009, ApJ, in press: The distribution of dark matter over 3 decades in radius in the lensing cluster Abell A611

- 75) Tu, T., Gavazzi, R., Limousin, M., Cabanac, R., Marshall, P.J., Fort, B., **Treu T.**, Pello', R., Jullo, E., Kneib, J.-P., Seygnet, J.-F., 2009, *A&A*, 501, 475: The mass profile of early-type galaxies in overdense environments: the case of the double source plane gravitational lens SL2SJ02176-0513
- 74) Barnabe', M., Czoske, O., Koopmans, L.V.E., **Treu, T.**, Bolton, A., Gavazzi, R. 2009, *MNRAS*, 399, 21: Two-dimensional Kinematics of SLACS Lenses. II. Combined lensing and dynamical analysis of early-type galaxies at $z=0.08-0.33$
- 73) Trott, C.M., **Treu, T.**, Koopmans, L.V.E., Webster, R.L. 2009, *MNRAS*, in press, Stars and dark matter in the spiral gravitational lens 2237+0305, astro-ph/0812.0748
- 72) Newton, E.R., Marshall, P.J., **Treu, T.** 2009, *ApJ*, 696, 1125, Enhanced lensing rate by clustering of massive galaxies: newly discovered systems in the SLACS fields
- 71) Bentz, M.C., Walsh, J.L., Barth, A.J., Baliber, N., Bennert, N., Canalizo, G., Filippenko, A.V., Ganeshalingam, M., Gates, E.L., Greene, J.E., Hidas, M.G., Hiner, K.D., Lee, N., Li, Weidong, Malkan, M.A., Minezaki, T., Serduk, F.J.D., Shiode, J., Silverman, J.M., Steele, T.N., Stern, D., Street, R.A., Thornton, C.E., **Treu, T.**, Wang, X., Woo, J.-H., Yoshii, Y. 2008, *ApJ*, 689, L21 First results from the Lick AGN monitoring project: the mass of the black hole in Arp 151
- 70) Geach, J.E., Smail, I., Moran, S.M., **Treu, T.**, Ellis, R.S. 2009, *ApJ*, 691, 783, The nature of dusty starburst galaxies in a rich cluster at $z=0.4$: the progenitors of lenticulars?
- 69) Ly, C., Malkan, M.A., **Treu, T.**, Woo, J.-H., Currie, T., Hayashi, M., Nobunari, K., Motohara, K., Shimisaku, K., Yoshida, M. 2009, *ApJ*, 697, 1410, Lyman break galaxies at $z\sim 1.8-2.8$: GALEX/NUV imaging of the Subaru Deep Field
- 68) Bradac, M., Allen, S.W., **Treu, T.**, Ebeling, H., Massey, R., Morris, R.G., von der Linden A., Applegate, D. 2008, *ApJ*, 687, 959, Revealing the Properties of Dark Matter in the Merging Cluster MACS J0025.4-1222
- 67) **Treu, T.**, Gavazzi, R., Gorecki, A., Marshall, P.J., Koopmans, L.V.E., Bolton, A.S., Moustakas, L.A., Burles, S.C. 2009, *ApJ*, 690, 670, The Sloan Lens ACS Survey. VIII. The Relation between Environment and Internal Structure of Early-Type Galaxies
- 66) Nipoti, C., **Treu, T.**, Bolton, A.S. 2008, *MNRAS*, 390, 349, Mass distribution and orbital anisotropy of early-type galaxies: constraints from the Mass Plane

- 65)** Suyu, S., Marshall, P.J., Blandford, R.D., Fassnacht, C.D., Koopmans, L.V.E., McKean, J.P., **Treu, T.**, 2009, ApJ, 691, 277, Dissecting the Gravitational Lens B1608+656: Lens Potential Reconstruction
- 64)** Bolton, A.S., **Treu, T.**, Koopmans, L.V.E., Gavazzi, R., Moustakas, L.A., Burles, S.C., Schlegel, D.J., Wayth R., 2008, ApJ, 684, 248, The Sloan Lens ACS Survey. VII. Elliptical galaxy scaling laws from direct observational mass measurements
- 63)** Bolton, A.S., Burles, S.C., Koopmans, L.V.E., **Treu, T.**, Gavazzi, R., Moustakas, L.A., Wayth R., Schlegel D.J. 2008, ApJ, 682, 964, The Sloan Lens ACS Survey. V. The full ACS strong-lens sample
- 62)** Smith, N., Foley, R.J., Bloom, S.J., Li, W., Filippenko, A.V., Gavazzi, R., Ghez, A., Konopacky, Q., Malkan, M.A., Marshall, P.J., Pooley, D., **Treu, T.**, Woo, J.-H. 2008, ApJ, 686, 485, Late-time observations of SN2006gy: still going strong
- 61)** Bradac, M., Schrabback, T., Erben, T., McCourt, M., Million, E., Mantz, A., Allen, S., Blandford, R., Halkola, A., Hildebrand, H., Lombardi, M., Marshall, P., Schneider, P., **Treu, T.**, Kneib, J.-P. 2008, ApJ, 681, 187, Dark matter and baryons in the most luminous X-ray and merging galaxy cluster RXJ1347.5-1145
- 60)** Natarajan, P., Kneib, J.-P., Smail, I., **Treu, T.**, Ellis, R.S., Moran, S.M., Limousin, M., Czoske, O. 2009, ApJ, 693, 970, The survival of dark matter halos in the cluster CL0024+16
- 59)** Woo, J.-H., **Treu, T.**, Malkan, M.A., Blandford, R.D. 2008, ApJ, 681, 925, Cosmic evolution of spheroids and black holes. III. The M-sigma relation in the last six billion years
- 58)** Gallo, E., **Treu, T.**, Jacob, J., Woo, J.-H., Marshall, P.J., Antonucci, R., 2008, ApJ, 680, 154: AMUSE-Virgo. I: supermassive black holes in low mass spheroids
- 57)** Czoske, O., Barnabe', M., Koopmans, L.V.E., **Treu, T.**, Bolton, A., 2008, MNRAS, 384, 987: Two-dimensional Kinematics of SLACS Lenses: I. Phase-space Analysis of the Early-Type Galaxy SDSS J2321-097 at $z \sim 0.1$
- 56)** MacArthur, L.A., Ellis, R.S., **Treu, T.**, U, V., Bundy, K., Moran, S.M. 2008, ApJ, 680, 70: The evolutionary history of galactic bulges: photometric and spectroscopic studies of distant spirals in the GOODS fields
- 55)** Gavazzi, R., **Treu, T.**, Koopmans, L.V.E., Bolton, A.S., Moustakas, L.A., Burles, S.C., Marshall, P.J., 2008, ApJ, 677, 1046: The Sloan ACS Survey. VI: Discovery of a Double Einstein Ring.

- 54)** Gasparini, M.A., Marshall, P.J., **Treu, T.**, Morganson, E., Dubath, F. 2008, MNRAS, 385, 1959: Direct observation of cosmic strings via their strong gravitational lensing effect. I: predictions for high resolution imaging surveys
- 53)** Moran, S.M., Ellis, R.S., **Treu, T.**, Smith, G.P., Rich, R.M., Smail, I. 2007, ApJ, 671, 1503: A wide field survey of two $z \sim 0.5$ galaxy clusters: identifying the physical processes responsible for the observed transformation of spirals into S0s
- 52)** McGill, K.L., Woo, J.H., **Treu, T.**, Malkan, M.A. 2008, 673, 703, Comparing and calibrating black hole mass estimators for distant active galactic nuclei
- 51)** Marshall, P.J., **Treu, T.**, Melbourne, J. Gavazzi, R., Bundy, K., Ammons, S., Bolton, A.S., Burles, S.C., Larkin, J.E., Le Mignant, D., Koo, D., Koopmans, L.V.E., Max, C.E., Moustakas, L.A., Steinbring, E., Wright, S.A. 2007, ApJ, 671, 1196: super-resolving distant galaxies with gravitational telescopes: Keck-LGSAO and Hubble imaging of the lens system SDSSJ0737+3216
- 50)** **Treu, T.**, Woo, J.H., Malkan, M.A., Blandford, R.D. 2007, ApJ, 667, 117: Cosmic evolution of black holes and spheroids. II: scaling relations at $z=0.36$
- 49)** Bundy, K., **Treu, T.**, Ellis, R.S. 2007, ApJ, 665, L5: The mass assembly history of spheroidal galaxies: did newly-formed systems arise via mergers?
- 48)** Sand, D.J., **Treu, T.**, Ellis, R.S., Smith, G.P., Kneib, J.-P. 2008, ApJ, 674, 711: Separating baryons and dark matter in cluster cores: a full 2-D lensing and dynamic analysis of Abell 383 and MS2137-23
- 47)** Bolton, A.S., Burles, S.M., **Treu, T.**, Koopmans, L.V.E., Moustakas, L.A. 2007, ApJ, 665, L105: A more Fundamental Plane
- 46)** Gavazzi, R., **Treu, T.**, Rhodes, J., Koopmans, L.V.E., Bolton, S.A., Burles, S.M., Massey, R.J., Moustakas, L.A. 2007, ApJ, 667, 176: The Sloan Lens ACS Survey IV: the mass density profile of early-type galaxies out to 100 effective radii
- 45)** Moran, S.M., Boon, L.L., Ellis, R.S., **Treu, T.**, Bundy, K., MacArthur, L.A. 2007, ApJ, 665, 1067: The dynamical distinction between elliptical and lenticular galaxies in distant clusters: further evidence for the recent origin of S0
- 44)** Woo, J.-H., **Treu, T.**, Malkan, M.A., Ferry, M.A., Misch, T. 2007, ApJ, 661, 60: Variability of moderate luminosity AGN at $z=0.36$
- 43)** Moran, S.M., Miller, N., **Treu, T.**, Ellis, R.S., Smith, G.P. 2007, ApJ, 659, 1138: Dynamical

evidence for environmental evolution of intermediate redshift spiral galaxies.

42) Rodighiero, G., Gruppioni, C., Civano, F., Comastri, A., Franceschini, A., Mignoli, M., Fritz, J., Vignali, C., **Treu, T.** 2007, MNRAS, 376, 416: Hidden activity in high-redshift spheroidal galaxies from mid-infrared and X-ray observations in the GOODS-North field.

41) Fassnacht, C.D., McKean, J.P., Koopmans, L.V.E., **Treu, T.**, Blandford, R.D., Auger, M.W., Jeltema, T.E., Lubin, L.M., Margoniner, V.E., Wittman, D. 2006, ApJ, 651, 667: Three gravitational lenses for the price of one: enhanced strong lensing through galaxy clustering.

40) Woo, J.-H., **Treu, T.**, Malkan, M.A., Blandford, R.D. 2006, ApJ, 645, 900: cosmic evolution of black holes and spheroids. I: The MBH-sigma relation at $z=0.36$.

39) Geach, J.E., Smail, I., Ellis, R.S., Moran, S.M., Smith, G.P., **Treu, T.**, Kneib, J.-P., Edge, A.C., Kodama, T., 2006, ApJ, 649, 661: a panoramic mid-IR survey of two distant clusters

38) Moran, S.M., Ellis, R.S., **Treu, T.**, Salim, S., Rich, R.M., Smith, G.P., Kneib, J.-P. 2006, ApJL, 641, L97 : GALEX Observations of “Passive Spirals” in the Cluster Cl-0024+17 at $z=0.4$: clues to the formation of S0 Galaxies

37) Koopmans, L.V.E., **Treu, T.**, Bolton, A.S., Burles, S, Moustakas, L.A. 2006, ApJ, 649, 599: The Sloan Lens ACS Survey. III: the structure and formation of early-type galaxies and their evolution since $z=1$

36) **Treu, T.**, Koopmans, L.V.E., Bolton, A.S., Burles, S, Moustakas, L.A. 2006, ApJ, 640, 662: The Sloan Lens ACS Survey. II: stellar populations and internal structure of early-type lens galaxies

35) Bolton, A.S., Burles, S, Koopmans, L.V.E., **Treu, T.**, Moustakas, L.A. 2006, ApJ, 638, 703: The Sloan Lens ACS Survey. I: a large spectroscopically selected sample of massive early-type lens galaxies

34) Moran, S.M., Ellis, R.S., **Treu, T.**, Smail, I., Dressler, A., Coil, A.L., Smith, G.P. 2005, ApJ, 634, 977: A wide field Hubble Space Telescope Survey of the cluster CL0024+16 at $z=0.4$. III: spectroscopic signatures of environmental evolution in early-type galaxies

33) **Treu, T.**, Ellis, R.S., Liao, T.X., van Dokkum, P.G., Tozzi, P., Coil, A., Newman, J., Cooper, M.C., Davis, M. 2005, ApJ, 633, 174: The assembly history of field spheroidals: evolution of mass-to-light ratios and signatures of recent star formation

32) Sand, D.J., **Treu, T.**, Ellis, R.S., Smith G.P., 2005, ApJ, 627, 32: A systematic search for gravitationally lensed arcs in the HST-WFPC2 archive

- 31) Treu, T.,** Ellis, R.S., Liao, T.X., van Dokkum, P.G. 2005, ApJL,622, L5: Keck spectroscopy of distant GOODS spheroidals: downsizing in a hierarchical universe
- 30) Bolton, A.S.,** Burles, S, Koopmans, L.V.E., **Treu, T.,** Moustakas, L.A. 2005, ApJ, 624, L21: SDSSJ140228.22+632133.3: A new spectroscopically selected gravitational lens
- 29) McKean, J.P.,** Browne, I.W.A., Jackson, N.J., Koopmans, L.V.E., Norbury, M.A., **Treu, T.,** York, T.D., Blandford, R.D., de Bruyn, A.G., Fassnacht, C.D., Mao, S., Myers, T.S., Pearson, T.J., Phillips, P.M., Readhead, A.C.S., Rusin, D., Wilkinson, P.N. 2005, MNRAS, 356, 1009: CLASS B2108+213: A new wide separation gravitational lens system
- 28) Treu, T.,** Malkan, M.A., Blandford, R.D. 2004, ApJ L, 615, L97: The Black-hole mass velocity dispersion relation of spheroids at $z \sim 0.37$
- 27) Nipoti, C.,** **Treu, T.,** Ciotti, L., Stiavelli, M. 2004, MNRAS, 355, 1119: Galactic cannibalism and CDM density profiles
- 26) Smith, G.P.,** **Treu, T.,** Ellis, R.S., Moran, S. M., Dressler A. 2005, ApJ, 620, 78: Evolution since $z=1$ of the morphology-density relation for galaxies
- 25) Stern, D.,** van Dokkum, P.G., Nugent, P., Sand, D.J, Ellis, R.S., Sullivan, M., Bloom, J.S., Frail, D.A., Kneib, J.-P., Koopmans, L.V.E., **Treu, T.** 2004, ApJ, 612, 690: Discovery of a transient U-band dropout in a Lyman-Break Survey: a tidally disrupted star at $z=3.3$
- 24) Treu, T.,** Koopmans, L.V.E. 2004, ApJ, 611, 739: Massive dark-matter halos and the evolution of early-type galaxies to $z \sim 1$
- 23) Edge, A.C.,** Smith, G.P., Sand, D.J., **Treu, T.,** Ebeling, H., Allen, S.W., van Dokkum, P.G. 2003, ApJ, 599, L69: A unique small scale gravitational arc in Abell 1201
- 22) Sand, D.J.,** **Treu, T.,** Smith, G.P, Ellis, R.S. 2004, ApJ, 604, 88, The dark matter distribution in the central regions of galaxy clusters: implications for CDM.
- 21) Stanway, E.,** Bunker, A., McMahon, R., Ellis, R.S., **Treu, T.,** McCarthy, P. 2004, ApJ, 607, 704: HST imaging and Keck spectroscopy of $z \sim 6$ i-band dropouts in the ACS GOODS fields
- 20) Koopmans, L.V.E.,** **Treu, T.,** Fassnacht, C.D., Blandford, R.D., Surpi, G, 2003, ApJ, 599, 70: The Hubble constant from the gravitational lens B1608+656
- 19) Kneib, J.-P.,** Hudelot, P., Ellis, R.S., **Treu, T.,** Smith, G.P., Marshall, P., Czoske, O., Smail, I., Natarajan, P., Refregier, A 2003, ApJ, 598, 804: A wide field Hubble Space Telescope Study of the cluster CL0024+16 at $z=0.4$. II: The cluster mass distribution
- 18) Jimenez, R.,** Verde, L., **Treu, T.,** Stern D., 2003, ApJ, 593, 622: Constraints on the equation

of state of dark energy and Hubble constant from CMB and stellar ages

- 17) **Treu, T.**, Koopmans, L.V.E. 2003, MNRAS, 343, L29: Redshift of the Einstein Ring in MG1549+305
- 16) Nipoti, C., Stiavelli, M., Ciotti, L., **Treu, T.**, Rosati, P., 2003, MNRAS, 344, 748: Galactic cannibalism in the galaxy cluster C0337-2522 at $z=0.59$
- 15) **Treu, T.**, Ellis R.S., Kneib J.-P., Dressler A, Czoske O., Smail I., Oemler A., Natarajan P 2003, ApJ, 591, 53: A Wide field Hubble Space Telescope Study of the cluster CL0024+16 at $z=0.4$. I: Morphological distributions to 5 Mpc radius.
- 14) **Treu T.**, Koopmans, L.V.E. 2002, MNRAS, 337, L6. The internal structure of the lens PG1115+080: breaking degeneracies in the value of the Hubble Constant
- 13) Sand D.J, **Treu T.**, Ellis R.S., 2002, ApJL, 574, L129: The dark matter density profile of the lensing cluster MS2137-23: a test of the Cold Dark Matter Paradigm
- 12) Koopmans L.V.E. & **Treu T.**, 2003, ApJ, 583, 606: The structure and dynamics of luminous and dark matter in the early-type lens galaxy of 0047-281 at $z=0.485$
- 11) **Treu T.** & Koopmans L.V.E., 2002, ApJ, 575, 87: The internal structure and formation of early-type galaxies: the gravitational lens system MG2016+112 at $z=1.004$
- 10) Koopmans L.V.E. & **Treu T.**, 2002, ApJ, 568, L5: The stellar velocity dispersion of the lens galaxy in MG2016+112 at $z=1.004$
- 9) **Treu T.**, Stiavelli M., Casertano S., Moller P. , Bertin G., 2002, ApJ, 564, L13: The evolution of field early-type galaxies to $z\sim 0.7$
- 8) Smith G., **Treu T.**, Ellis R.S, Smail I.R., Kneib J.P., Frye B., 2001, ApJ, 562, 635: Near-Infrared Spectroscopy and Hubble Space Telescope Imaging of a dusty-starburst ERO
- 7) Stiavelli M., Scarlata S., Panagia N., **Treu T.**, Bertin G., Bertola F, 2001, ApJ , 561, L37: Lyman alpha emitters with red colors at $z\sim 2.4$
- 6) **Treu T.**, Stiavelli M., Bertin G., Casertano S., Moller P., 2001, MNRAS, 326, 237: The properties of field elliptical galaxies at intermediate redshift. III: the Fundamental Plane and the evolution of stellar populations from $z=0.4$ to $z=0$
- 5) **Treu T.**, Stiavelli M., Moller P. , Casertano S., Bertin G., 2001, MNRAS, 326, 221: The properties of field elliptical galaxies at intermediate redshift. II: Photometry and spectroscopy of an HST selected sample
- 4) **Treu T.**, Stiavelli M., Casertano S., Moller P. , Bertin G., 1999, MNRAS, 308, 1307: The

properties of field elliptical galaxies at intermediate redshift. I: empirical scaling laws

3) Treu T., Stiavelli M., 1999, ApJ, 524, L27: A NICMOS search for high redshift elliptical galaxy candidates

2) Stiavelli M., Treu T., Carollo M., Rosati P., Viezzer R., Casertano S., Dickinson M., Ferguson H., Fruchter A., Madau P., Martin C., Teplitz H., 1999, A&A, 343, L25: VLT and HST observations of a candidate high redshift elliptical galaxy in the Hubble Deep Field South

1) Treu T., Stiavelli M., Walker A., Williams R., Baum S., Bernstein G., Blacker B., Carollo M., Casertano S., Dickinson M., De Mello D., Ferguson H., Fruchter A., Mackenty J., Madau P., Postman M.†1998, A&A, 340, L10: An extremely red $r^{1/4}$ galaxy in the test image of the Hubble Deep Field South

Invited Reviews and Papers:

4) Treu, T. 2010: Strong lensing by galaxies, Annual Review of Astronomy and Astrophysics, Volume 48

3) Treu, T. 2007: Spheroids scaling relations over cosmic time, in “Galaxy evolution across the Hubble Time”, IAU Symposium 235, p.12, Combes F. and Paulus, J. eds, Cambridge University Press.

2) Treu, T. 2004: Wide field imaging of distant clusters, in "Outskirts of Galaxy Clusters: intense life in the suburbs" IAU Colloquium 195, p. 377, Diaferio, A. ed., astro-ph/0408103

1) Treu, T. 2004: The formation of early-type galaxies: observations to $z \sim 1$, in “Carnegie Observatories Astrophysics Series, Vol. 3, p. 178: Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution”, ed. J. S. Mulchaey, A. Dressler, and A. Oemler (Cambridge: Cambridge Univ. Press)

Conference Proceedings:

21) Moran, S.M., Ellis, R.S., Treu, T. 2008, Observing the Transformation of Spirals into S0s in Two $z \sim 0.5$ Clusters, ASP Conference 399, p. 344, Kodama, Yamada and Aoki eds.

- 20)** MacArthur, L.A., Ellis, R.S., **Treu, T.**, 2008, The Fundamental Plane of bulges at intermediate redshift, in “Formation and evolution of galaxy bulges”, IAU Symposium 245, p.443, M., Bureau ed.,
- 19)** Woo, J.-H., **Treu, T.**, Malkan, M.A., Blandford, R.D. 2008, Co-evolution of bulges and black holes, in “Formation and evolution of galaxy bulges”, IAU Symposium 245, p.223, M., Bureau ed.,
- 18)** Moran, S.M., Ellis, R.S., **Treu, T.**, Smith, G.P., 2007, Reflections of Cluster Assembly in the Stellar Populations and Dynamics of Member Galaxies, in “Cosmic Frontiers”, ASP Conference Series, 379, p. 243
- 17)** Woo, J.H., **Treu, T.**, Malkan, M.A., Blandford, R.D. 2007, Cosmic evolution of black holes and galaxies to $z=0.4$, in “Black holes; from stars to galaxies”, IAU Symposium 238, p.291,
- 16)** Fassnacht, C.D., Lubin, L., Mckean, J., Gal, R., Squires, G., Koopmans, L.V.E., **Treu, T.**, Blandford, R.D., Rusin, D. 2005, Galaxy groups associated with gravitational lenses and H_0 from B1608+656, in “Impact of Gravitational Lensing on Cosmology” IAU Symposium 225, p. 311
- 15)** Moran, S., Ellis, R., **Treu, T.** 2004, Spectroscopic Signatures of galaxy evolution in CL0024+16 at $z=0.39$, in "Outskirts of Galaxy Clusters: intense life in the suburbs" IAU Colloquium 195, p. 384, Diaferio, A. ed.
- 14)** Nipoti, C., Stiavelli, M., Ciotti, L., **Treu, T.**, Rosati, P., 2005, Brightest cluster galaxy formation in the cluster C0337-2522: flattening of the dark matter cusp, in “Multiwavelength cosmology”, Springer-Verlag, p.432
- 13)** Sand, D.J., **Treu, T.**, Smith, G.P., Ellis, R.S. 2003, The dark matter distribution in the central regions of galaxy clusters, to appear in the proceedings of “Physical Cosmology”, astro-ph/0310703
- 12)** **Treu, T.**, Koopmans, L.V.E., Sand, D.J., Smith, G.P., Ellis, R.S 2003, The dark matter halos of spheroidal galaxies and clusters of galaxies, proceedings of IAU Symposium 220 “Dark matter in galaxies”, p.159
- 11)** Koopmans, L.V.E, **Treu, T.** 2003, The Lenses Structure and Dynamics Survey: The internal structure and evolution of E/S0 and the determination of H_0 from time delay systems, in the proceedings of “Multi-wavelength Cosmology”, astro-ph/0308056

- 10) **Treu, T.**, Koopmans L.V.E. 2003: The internal structure of high-z E/S0 galaxies from LSD, in "Galaxy Dynamics" , ESAS Publication Series, 10, p. 61
- 9) **Treu T.**, Koopmans L.V.E., 2002: Probing dark matter distribution with gravitational lensing and stellar dynamics, to appear in the proceedings of "The cosmological model", astro-ph/0205335
- 8) **Treu T.**, 2001: The evolution of the mass-to-light ratio of field early-type galaxies, in "The mass of galaxies at low and high redshift", Springer-Verlag, eds. R. Bender & A.Renzini. p.248
- 7) **Treu T.**, Stiavelli M., 2001: Measuring the mass of high-z galaxies with NGST, in "The mass of galaxies at low and high redshift", Springer-Verlag, eds. R. Bender & A.Renzini (astro-ph/0205193), p.351
- 6) **Treu T.**, Ellis R.S., Trivedi P., Kneib J.-P., Dressler A., Oemler A., Natarajan P., Smail I.R. 2001: A wide field survey of the distant rich cluster CL0024+1654, in "Tracing cosmic evolution with galaxy clusters", eds Borgani, Mezzetti and Valdarnini, ASP conference series, 268, p. 277 (astro-ph/0112409)
- 5) **Treu T.**, Ellis R.S., Dressler A., Kneib J.-P., Oemler A., Smail I.R., 2001: The role of dark matter in galaxy evolution: a study to the periphery of cluster 0024, in "Where's the matter?", ASP conference series, Tresse & Treyer eds.
- 4) Stiavelli M., **Treu T.**, 2001: The Morphology of Extremely Red Objects, in "Galaxy Disks and Disk Galaxies", ASP conference series, Funes and Corsini eds., 230, p. 603 (astro-ph/0010100)
- 3) **Treu T.**, Stiavelli M., Casertano S., Moller P., Bertin G., 2001: The Fundamental Plane of field early-type galaxies at intermediate redshift, to appear in the proceedings of the "A Decade of HST Science". M. Livio ed. (astro-ph/0007252)
- 2) **Treu T.**, Stiavelli M., 2000: Observational Constraints on the formation of elliptical galaxies: a NICMOS-optical survey, in "Cosmic Evolution and Galaxy Formation", eds. J. Franco et al., ASP Conference Series, Vol 215, p. 255
- 1) **Treu T.**, 1998: The Fundamental Plane at low and high redshift, in "The Next Generation Space Telescope: Science Drivers and Technological Challenges", 34th Liege Astrophysics Colloquium, eds. P. Benvenuti et al., ESA Publications 98, p.255.

Circulars:

3) **Treu, T.**, Silverman, J.M., Filippenko, A.V. 2008, CBET, 1374, 1, “Supernova 2008ch in MCG-01-52-16”

2) Filippenko, A., Foley, R.J., **Treu, T.**, Malkan, M.A. 2004, IAUC, 1814, “Supernovae 2004es and 2004et”

1) Berger, E., Fox, D.B., Djorgovski, S.G., **Treu, T.**, Malkan M.A. 2004, GCN, 2599, “GRB040511: redshift identification”