Tommaso Treu - Bibliography
(as of May 2011)

Refreed Publications:

120) Treu, T., Dutton, A.A., Auger, M.W., Marshall, P.J., Bolton, A.S., Brewer, B.J., Koo, D.C., Koopmans, L.V.E.K., 2011, MNRAS, submitted, astro-ph/1104.5663

119) Trenti, M., Bradley, L.D., Stiavelli, M., Shull, M.J., Oesch, P., Bouwens, R.J., Munoz, J.A., Romano-Diaz, E., **Treu, T.,** Carollo, M., Shlosman, I. 2011, submitted, A protocluster of galaxies at redshift z~8

118) Spiniello, C., Koopmans, L.V.E., Trager, S.C., Czoske, O**., Treu, T.** 2011, MNRAS, submitted, The X-Shooter Lens Survey - I. Dark-Matter Domination and a Salpeter-type IMF in a Massive Early-type Galaxy

117) Miller, S.H., Bundy K., Sullivan, M., Ellis, R.S., **Treu, T.,** ApJ, submitted, The Assembly History of Disk Galaxies: I - The Tully-Fisher Relation to z~1.3 from Deep Exposures with DEIMOS, astroph/1102.3911

116) Barnabe, M., Czoske, O., Koopmans, L.V.E., **Treu, T.,** Bolton, A.S. 2011, MNRAS, submitted, Two-dimensional kinematics of SLACS lenses: III. Mass structure and dynamics of early-type lens galaxies beyond z ~ 0.1, astro-ph/1102.2261

115) Bennert, V.N., Auger, M.W., **Treu, T**., Woo, J.-H., Malkan, M.A**.** 2011**,** ApJ, submitted, The relation between black hole mass and host spheroid stellar mass out to z~2, astroph//1102.1975

114) Brewer, B.J., **Treu, T.,** Pancoast A., Barth, A.J., Bennert. V.N., Bentz, M.C., Filippenko, A.V., Greene, J., Malkan, M.A., Woo, J.-H. 2011, ApJ, 733, L33, The mass of the black hole in Arp 151 from Bayesian modelling of reverberation mapping data

113) Dutton, A.A., Brewer, B.J., Marshall, P.J., Auger, M.W., **Treu, T**., Koo, D.C., Bolton, A.S., Holden, B.P., Koopmans, L.V.E. 2011, MNRAS, in press, The SWELLS survey. II. Breaking the disk-halo degeneracy in the spiral galaxy gravitational lens SDSS J2141-0001

112) Pancoast, A., Brewer, B.J., **Treu, T.** 2011, ApJ, 730, 139, Geometric and dynamical models of reverberation mapping data

111) Nierenberg, A.M., Auger, M.W., **Treu, T.,** Marshall, P.J., Fassnacht, C.D. 2011, ApJ, 731,

44, Luminous satellites of early-type galaxies. I: spatial distribution

110) Rettura, A., Mei, S., Stanford, S.A., Raichoor, A., Moran, S.M., Holden, B., Rosati, P., Ellis, R.S., Nakata, F., Nonino, M., **Treu, T**., Blakeslee, J.P., Demarco, R., Eisenhardt, P., Ford, H.C., Fosbury, R.A.E., Illingworth, G.D., Huertas-Company, M., Jee, M.J., Kodama, T., Postman, M., Tanaka, M., White, R.L. 2011, ApJ, 732, 94**,** Early-Type galaxies at z ~ 1.3. III. On the dependence of Formation Epochs and Star Formation Histories on Stellar Mass and Environment

109) Trenti, M., Bradley, L.D., Stiavelli, M., Oesch, P., **Treu, T**., Bouwens, R.J., Shull, J.M., Mackenty, J.W., Carollo, C.M., Illingworth, G.D. 2011, ApJ, 727, L39, The brightest of reionization galaxies survey: design and preliminary results

108) Newman, A.B**., Treu, T.,** Ellis, R.S., Sand, D.J. 2011, ApJ, 728, L39, The dark matter distribution in Abell 383: evidence for a shallow density cusp from improved lensing, stellar kinematics and x-ray data

107) Hall, N., Bradac, M., Gonzalez, A.H., **Treu, T.,** Clowe, D., Jones, C., Stiavelli, M., Zaritsky, D., Cuby, J.-G., Clement, B. 2011, ApJ, submitted, Using the bullet cluster as a gravitational telescope to study z>7 lyman break galaxies

106*)* Szathmary, D., Gallagher, S.C., Malkan, M.A., Bennert, V.N., Woo, J.-H., **Treu, T.** 2011, ApJ, submitted, Spectral energy distributions of Seyfert 1 galaxies at z~0.36

105) Auger, M.W., **Treu, T.,** Brewer, B.J., Marshall, P.J. 2011, MNRAS, 411, L6, A Compact Early-type Galaxy at z = 0.6 Under a Magnifying Lens: Evidence For Inside-out Growth

104) Bennert, V.N., Auger, M.W., **Treu, T.,** Woo, J.-H., Malkan, M.A. 2011, ApJ, 726, 59, A local baseline of the black hole mass scaling relations for active galaxies. I. Methodology and results of pilot study

103) Newton, E.R., Marshall, P.J., **Treu, T.,** Auger, M.W., Gavazzi, R., Bolton, A.S., Koopmans, L.V.E., Moustakas L.A. 2011, ApJ, in press, The Sloan Lens ACS Survey. XI. Beyond Hubble resolution: size, luminosity and stellar mass of compact lensed galaxies at intermediate redshift

102) Ruff, A.J., Gavazzi, R., Marshall, P.J., **Treu, T**., Auger, M.W., Brault, F. 2011, ApJ, 727, 96, The SL2S galaxy-scale lens sample. II. Cosmic evolution of dark and luminous mass in early-type galaxies.

101) Greene, J.E., Thornton, C., Barth, A.J., Bennert, V.N., Bentz, M.C., Filippenko, A.V.,

Malkan, M.A., **Treu, T.,** Walsh, J., Woo, J.-H. 2010, ApJ, 723, 409, The Lick AGN Monitoring Project: Alternate Routes to a Broad-line Region Radius

100) Auger, M.W., **Treu, T.,** Gavazzi, R., Koopmans, L.V.E., Marshall, P.J. 2010, ApJL, 721, L163, Dark matter contraction and the stellar content of massive early-type galaxies: disfavoring "light" initial mass functions

99) Auger, M.W., **Treu, T.,** Bolton, A.S., Gavazzi, R., Koopmans, L.V.E., Marshall, P.J., Moustakas, L.A., Burles, S.C. 2010, ApJ, 724, 511**,** The Sloan Lens ACS Survey. X. Stellar, Dynamical, and Total Mass Correlations of Massive Early-type Galaxies

98) Bentz, M.C., Horne, K., Barth, A.J., Bennert, V.N., Canalizo, G., Filippenko, A.V., Gates, E.L., Malkan, M.A., Minezaki, T., **Treu, T.**, Woo, J.H., Walsh, J.L. 2010, ApJ, 720, L46, The lick AGN monitoring project: velocity-delay maps from the maximum-entropy method for Arp 151

97) Newman, A.B., Ellis, R.S.**, Treu, T.,** Bundy, K. 2010, ApJ, 717, L103 Keck Spectroscopy of z>1 Field Spheroidals: Dynamical Constraints on the Growth Rate of Red "Nuggets"

96) Barnabe', M., Auger, M.W., **Treu, T.,** Koopmans, L.V.E., Bolton, A.S., Czoske, O., Gavazzi, R. 2010, MNRAS, 406, 2339, The non-evolving internal structure of early-type galaxies: the case study SDSS J0728+3835 at $z = 0.206$

95) Woo, J.-H., **Treu, T**., Barth, A.J., Shelley, A.W., Walsh, J.L., Bentz, M.C., Martini, P. et al, 2010, ApJ, 716, 269, The Lick AGN monitoring project: stellar velocity dispersions and the M-sigma relation for reverberation mapped active galaxies

94) Bentz, M.C., Walsh, J.L., Barth, A.J., Yoshii, Y., Woo, J.H., Wang, X., **Treu, T**., Thornton, C.E., Street, R.A., Steele, T.N., Silverman, J.M., Serduke, F.J., Sakata, Y., Minezaki, T., Malkan, M.A., Li, W., Lee, N., Hiner, K.D., Hidas, M.G., Greene, J.E., Gates, E.L., Ganeshalingam, M., Filippenko, A.V., Canalizo, G., Bennert, V.N., Baliber, N. 2010, ApJ, 716, 993: The Lick AGN monitoring project: Reverberation mapping of optical Hydrogen and Helium emission lines

93) Gallo, E., **Treu, T**., Marshall, P.J., Woo, J.-H., Leipski, C., Antonucci, R. 2010, ApJ, 714, 25, 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.** 2010, ApJ, 711, 201, 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. 2010, MNRAS, 408, 1969, 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. 2010, MNRAS, 404, 749**,** 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., 2010, ApJ, 716, 1579. Cosmic evolution of virial and stellar mass in early-type galaxies

88) Bennert, V.N., **Treu, T**., Woo, J.-H., Malkan, M.A., Le Bris, A., Auger, M.W., Gallagher, S., Blandford, R.D. 2010, ApJ, 708, 1507, 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, 706, L86, Can dry merging explain the size evolution of early-type galaxies?

86) Morganson, E., Marshall, P.J., **Treu, T.,** Schrabback, T., Blandford, R.D., 2010, MNRAS, 406, 2452, 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. 2010, ApJ, 709, 1195, 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, 707, 936, 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 Hbeta

80) MacArthur, L.A., Ellis, R.S., **Treu, T.,** Moran, S.M. 2009, ApJL, 709, L53: "Enviromental 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, 706, 1201: 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 and anistropy 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, 706, 1078: 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. 2010, MNRAS, 401, 1540, Stars and dark matter in the spiral gravitational lens 2237+0305

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~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 ~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~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., Frizt, 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 signataures of enviornmental 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, RD., 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~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~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~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~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~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 and edited proceedings:

6) Koopmans, L.V.E. & **Treu, T**. 2010**:** JD1 – Dark Matter in Early-type Galaxies: Overview,

Highlights of Astronomy, 15, 61

5) Treu, T. 2010: Empirical Scaling Relations, Highlights of Astronomy, 15, 80

4) Treu, T. 2010: Strong lensing by galaxies, Annual Review of Astronomy and Astrophysics, Volume 48, 87

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, CUP.

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~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:

22) Woo, J.-H., Bennert, V.N., **Treu, T.,** Malkan, M., Blandford, R. 2010, Evolution of the M_{BH}–σ and M_{BH}–L_{bulge} Relations, Proceedings of the International Astronomical Union, IAU Symposium, Volume 267, p. 183-188, B. M. Peterson, R. S. Somerville and T. Storchi-Bergmann eds

21) Moran, S.M., Ellis, R.S., **Treu, T.** 2008, Observing the Transformation of Spirals into S0s in Two z˜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 evoution of galaxy bulges", IAU Symposium 245, p.443, M,.Bureau ed.,

19) Woo, J.-H., **Treu, T**., Malkan, M.A., Blanford, R.D. 2008, Co-evolution of bulges and black holes, in "Formation and evoution of galaxy bulges", IAU Symp. 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 H0 from B1608+656, in “Impact of Gravitational Lensing on Cosmology” IAU Symp. 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 H0 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 at 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”