

## List of Publications - Roberto Philip Saglia

### Papers published in refereed journals

1. G. Bertin, R.P. Saglia, M. Stiavelli, 1988, “Masses and mass to light ratios for eight elliptical galaxies from a test of anisotropic models”, 1988, *ApJ*, **330**,78-90
2. R.P. Saglia, R. Sancisi, 1988, “HI observations of the massive spiral galaxy NGC 5635”, *A&A* **203**, 28-38
3. G. Bertin, R.P. Saglia, M. Stiavelli, 1992, “Elliptical galaxies with dark matter: I Self-consistent models”, *ApJ*, **384**, 423-432
4. R.P. Saglia, G. Bertin, M. Stiavelli, 1992, “Elliptical galaxies with dark matter: II Optimal luminous-dark matter decomposition for a sample of bright ellipticals”, *ApJ*, **384**, 433-447
5. R.P. Saglia, G. Bertin, F. Bertola, I.J. Danziger, H. Dejonghe, E.M. Sadler, M. Stiavelli, T. De Zeeuw, W.W. Zeilinger, 1993, “Stellar dynamical evidence for dark halos in elliptical galaxies: the case of NGC 4472, IC 4296, and NGC 7144”, *ApJ*, **403**, 567-572
6. G. Bertin, E. Pignatelli, R.P. Saglia, 1993 “X-ray emission and temperature profiles for optically selected models of elliptical galaxies”, *A&A*, **271**, 381-390
7. M.M. Colless, D. Burstein, G. Wegner, R.P. Saglia, R. McMahan, R.L. Davies, E. Bertschinger, G. Bagglely, 1993 “Photoelectric and CCD photometry of E and S0 galaxies”, *MNRAS*, **262**, 475-490
8. R.P. Saglia, E. Bertschinger, G. Bagglely, D. Burstein, M.M. Colless, R.L. Davies, R. McMahan, G. Wegner, 1993 “Effects of seeing on the photometric properties of elliptical galaxies”, *MNRAS*, **264**, 961-974
9. R.P. Saglia, R. Bender, A. Dressler, 1993 “The intrinsic shape of early- type galaxies and the scatter around the Fundamental Plane”, *A&A*, **279**, 75-82
10. L.M. Buson, E.M. Sadler, W.W. Zeilinger, G. Bertin, F. Bertola, I.J. Danziger, H. Dejonghe, R.P. Saglia, T. De Zeeuw, 1993, “The distribution of ionized gas in early-type galaxies” *A&A*, **280**, 409-425
11. R. Bender, R.P. Saglia, O. Gerhard, 1994, “Line of Sight Velocity Distributions of elliptical galaxies”, *MNRAS* **269**, 785-813
12. G. Bertin, F. Bertola, L.M. Buson, I.J. Danziger, H. Dejonghe, E.M. Sadler, R.P. Saglia, T. De Zeeuw, W.W. Zeilinger, 1994, “A search for dark matter in elliptical galaxies: radially extended spectroscopic observations for six objects”, *A&A*, **292**, 381-391

13. W.W. Zeilinger, A. Pizzella, P. Amico, G. Bertin, F. Bertola, L.M. Buson, I.J. Danziger, H. Dejonghe, E.M. Sadler, R.P. Saglia, P.T. de Zeeuw, 1996, “The distribution of ionized gas in early-type galaxies II: The velocity field of the ionized gas”, *A&AS*, **120**, 257-266
14. G. Wegner, D. M. Colless, G. Baggley, R.L. Davies, E. Bertschinger, D. Burstein, R.K. McMahan, R.P. Saglia, 1996, “The Peculiar Motions of Early-Type Galaxies in Two Distant Regions. I. Cluster and Galaxy selection”, *ApJS*, **106**, 1-26
15. R.P. Saglia, D. Burstein, G. Baggley, E. Bertschinger, M. Colless, R.L. Davies, R. McMahan, G. Wegner, 1997, “The Peculiar Motions of Early-Type Galaxies in Two Distant Regions. III. The photometric Data”, *MNRAS*, **292**, 499-572
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17. A. Pizzella, P.T. de Zeeuw, P. Amico, G. Bertin, F. Bertola, L.M. Buson, I.J. Danziger, H. Dejonghe, E.M. Sadler, R.P. Saglia, W.W. Zeilinger, 1997, “The distribution of Ionized Gas in Early-Type Galaxies. III: M/L determinations based on triaxial models”, *A&A*, **323**, 349-356
18. R. Bender, R.P. Saglia, B. Ziegler, P. Belloni, L. Greggio, U. Hopp, G. Bruzual, 1998, “Constraining the geometry of the Universe with Elliptical Galaxies”, *ApJ*, **493**, 529-535
19. O. Gerhard, G. Jeske, R.P. Saglia, R. Bender, 1998, “Dark matter and anisotropy in the E0 galaxy NGC6703”, *MNRAS*, **295**, 197-215
20. S. Seitz, R.P. Saglia, R. Bender, U. Hopp, P. Belloni, B. Ziegler, 1998, “The  $z=2.72$  galaxy cB58: a gravitational fold arc lensed by the cluster MS 1512+36”, *MNRAS*, **298**, 945-965
21. D. Mehlert, R.P. Saglia, R. Bender, G. Wegner, 1998, “The kinematically peculiar cores of the Coma Cluster early-type Galaxies NGC 4816 and IC 4051”, *A&A*, **332**, 33-45
22. G. Wegner, M. Colless, R.P. Saglia, R.K. McMahan, R.L. Davies, G. Baggley, D. Burstein, 1999, “The Peculiar Motions of Early-Type Galaxies in Two Distant Regions. II. The spectroscopic Data”, *MNRAS*, **305**, 259-296
23. M. Colless, D. Burstein, R.L. Davies, R.K. McMahan, R.P. Saglia, G. Wegner, 1999, “The peculiar motions of early-type galaxies in two distant regions. V. The Mg- $\sigma$  relation”, *MNRAS*, **303**, 813-825
24. B. Ziegler, R.P. Saglia, R. Bender, P. Belloni, L. Greggio, S. Seitz, 1999, “Probing elliptical galaxy evolution with the Kormendy relation”, *A&A*, **346**, 13-32

25. R.P. Saglia, A. Kronawitter, O. Gerhard, R. Bender, 2000, “The orbital structure and potential of NGC 1399”, *AJ*, **119**, 153-161
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27. A. Kronawitter, R.P. Saglia, O. Gerhard, R. Bender, 2000, “Orbital structure and mass distribution in elliptical galaxies”, *A&AS*, **144**, 53-84
28. R.P. Saglia, C. Maraston, L. Greggio, R. Bender, B. Ziegler, 2000, “The evolution of the color gradients of early-type cluster galaxies”, *A&A*, **360**, 911-934
29. M. Colless, R.P. Saglia, D. Burstein, R.L. Davies, R. McMahan, G. Wegner, 2001, “The Peculiar Motions of Early-Type Galaxies in Two Distant Regions. VII. The Fundamental Plane, Distances and Peculiar Velocity Field”, *MNRAS*, **321**, 277-305
30. O. Gerhard, A. Kronawitter, R.P. Saglia, R. Bender, 2001, “Dynamical family properties and dark halo scaling relations of giant elliptical galaxies”, *AJ*, **121**, 1936-1951
31. R.P. Saglia, M. Colless, D. Burstein, R.L. Davies, R. McMahan, G. Wegner, 2001, “The Peculiar Motions of Early-Type Galaxies in Two Distant Regions. VI. The Maximum Likelihood Gaussian Algorithm”, *MNRAS*, **324**, 389-419
32. C. Halliday, R.L. Davies, H. Kuntschner, M. Birkinshaw, R. Bender, R.P. Saglia, G. Baggley, 2001, “Line-of-sight velocity distributions of low-luminosity elliptical galaxies”, *MNRAS*, **326**, 473-489
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34. B.L. Ziegler, A. Böhm, K.J. Fricke, K. Jäger, H. Nicklas, R. Bender, N. Drory, A. Gabasch, R.P. Saglia, S. Seitz, J. Heidt, D. Mehlert, S. Noll, E. Sutorius, 2002, “The evolution of the Tully-Fischer relation of spiral galaxies”, *ApJL*, **564**, L69-L72
35. D. Mehlert, S. Noll, I. Appenzeller, R.P. Saglia, A. Böhm, K.J. Fricke, J. Heidt, U. Hopp, K. Jäger, C. Möllenhoff, O. Stahl, B.L. Ziegler, 2002, “Evidence for chemical evolution in the spectra of high redshift galaxies”, *A&A*, **393**, 809-819
36. R.P. Saglia, C. Maraston, D. Thomas, R. Bender, M. Colless, 2002, “The puzzlingly small CaII triplet absorption in elliptical galaxies”, *ApJL*, **579**, L13-L16
37. T.H. Puzia, R.P. Saglia, M. Kissler-Patig, C. Maraston, L. Greggio, S. Ortolani, A. Renzini, 2002, “Integrated spectroscopy of Bulge Globular Clusters and Fields: The Data Base and Comparison of Individual Lick Indices in Clusters and Bulge”, *A&A*, **395**, 45-67

38. G. Wegner, E.M. Corsini, R.P. Saglia, R. Bender, D. Merkl, D. Thomas, J. Thomas, D. Mehlert, 2002, “Spatially resolved spectroscopy of Coma cluster early – type galaxies: II. The minor axis dataset”, *A&A*, **395**, 753-759
39. J. Heidt, I. Appenzeller, A. Gabasch, K. Jäger, S. Seitz, R. Bender, A. Böhm, K.J., Fricke, U. Hopp, M. Kümmel, C. Möllenhoff, J. Snigula, T. Szeifert, B. Ziegler, N. Drory, D. Mehlert, A. Moorwood, H. Nicklas, S. Noll, R.P. Saglia, W. Seifert, O. Stahl, E. Sutorius, S. Wagner, 2003, “The FORS Deep Field: Field selection, photometric observations and photometric catalog”, *A&A*, **398**, 49-61
40. C. Maraston, L. Greggio, A. Renzini, S. Ortolani, R.P. Saglia, T.H. Puzia, M. Kissler-Patig, 2003, “Integrated spectroscopy of Bulge Globular Clusters and fields. II. Modelling and implications for elliptical galaxies”, *A&A*, **400**, 823-840
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46. G. De Lucia, B.M. Poggianti, A. Aragón-Salamanca, D. Clowe, C. Halliday, P. Jablonka, B. Milvang-Jensen, R. Pelló, S. Poirier, G. Rudnick, R. Saglia, L. Simard, S.D.M. White, 2004, “The buildup of the red sequence in galaxy clusters since  $z \sim 0.8$ ”, *ApJL*, **610**, L77-L80
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51. R. S. de Jong, L. Simard, R. L. Davies, R.P. Saglia, D. Burstein, M.M. Colless, R. McMahan, G. Wegner, 2004, “Structural properties of discs and bulges of early-type galaxies”, *MNRAS*, **355**, 1155-1170
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53. R. H. Méndez, D. Thomas, R.P. Saglia, C. Maraston, R.P. Kudritzki, R. Bender, 2005, “Oxygen and neon abundances of planetary nebulae in the outskirts of the elliptical galaxy NGC 4697”, *ApJ*, **627**, 767-781
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