

Publicaciones en revistas internacionales con árbitro

1. Lípari, S., Sánchez, S.F., Bergmann, M., Terlevich, R., **García-Lorenzo, B.**, Punsly, B., Mediavilla, E., Taniguchi, Y., Ajiki, M., Zheng, W., Acosta-Pulido, J.A., & Jahnke, K. 2008, MNRAS, aceptado (octubre 2008), Title: *GEMINI 3D spectroscopy of BAL+IR+FeII QSOs: I. Decoupling the BAL, QSO, starburst, NLR, supergiant bubbles and galactic wind in Mrk 231*
2. López, R., **García-Lorenzo, B.**, Sánchez, S.F., Gómez, G. Estalella, R., & Riera, A. 2008, MNRAS, aceptado (septiembre 2008, astro-ph0809.3969), Title: *Integral Field Spectroscopy of HH 262: The Spectral Atlas*
3. Fuensalida, J.J., **García-Lorenzo, B.**, & Hoegemann, C. 2008, MNRAS, 389, 731, Title: *Correction of the dome seeing contribution from generalizad SCIDAR data using evenness properties with Fourier analysis*
4. **García-Lorenzo, B.**, Cairós, L.M., Caon, L.M., Monreal-Ibero, A., & Kehrig, C. 2008, ApJ, 677, 201, Title: *Integral Field Spectroscopy of Blue Compact Dwarf Galaxies*
5. López, R., Sánchez, S.F., **García-Lorenzo, B.**, Gómez, G., Estalella, R., Riera, A., & Busquet, G. 2008, MNRAS 384, 464, Title: *The nature of HHL 73 from optical imaging and Integral Field Spectroscopy*
6. Efremov, J.N., Afanasiev, V.L., Alfaro, E.J., Boomsma, R., Bastian, N., Larsen, S., Sánchez-Gil, M.C., Silchenko, O.K., **García-Lorenzo, B.**, Muñoz-Tuñón, C., & Hodge, P.W. 2007, MNRAS, 382, 481, Title: *Ionized and neutral gas in the peculiar star/cluster complex in NGC 6946*
7. Cairós, L.M., Caon, N., **García-Lorenzo, B.**, Monreal-Ibero, A., Amorín, R., Weilbacher, P., & Papaderos, P. 2007, ApJ, 669, 251, Title: *Spectrophotometric Investigations of Blue Compact Dwarf Galaxies: Markarian 35*
8. **García-Lorenzo, B.**, & Fuensalida, J.J. 2006, MNRAS, 372, 1483, Title: *Processing of turbulent-layer wind speed with Generalized SCIDAR through wavelet analysis*
9. Sánchez, S.F., **García-Lorenzo, B.**, Jahnke, K., Mediavilla, E., González-Serrano, J.I., Christensen, L., & Wisotzki, L. 2006, AN, 327, 167, Title: *A new technique for decoupling the host and nuclear spectra of type I AGNs using integral field spectroscopy*
10. Tranco, G., Miller, B., **García-Lorenzo, B.**, Sánchez, S.F. 2006, NewAR, 49, 613, Title: *Integral field spectroscopy with GEMINI: Extragalactic star cluster in NGC1275*
11. Sánchez, S.F., **García-Lorenzo, B.**, Jahnke, K., Mediavilla, E., González-Serrano, J.I., Christensen, L., & Wisotzki, L. 2006, NewAR, 49, 501, Title: *Decoupling the host and nuclear spectra of type I AGNs using integral field spectroscopy: A test on 3C 120*
12. Lípari, S., Terlevich, R., Zheng, W., **García-Lorenzo, B.**, Sánchez, S., & Bergmann, M. 2005, MNRAS, 360, 416 (astro-ph0501253), Title: *Infrared mergers and infrared quasi-stellar objects with galactic winds. III. Mrk 231: an exploding young quasi-stellar object with composite outflow/broad absorption lines (and multiple expanding superbubbles)*

13. Mediavilla, E., Guijarro, A., Castillo-Morales, A., Jiménez-Vicente, J., Florido, E., Arribas, S., **García-Lorenzo, B.**, Battaner, E. 2005, A&A 433, 79, (astro-ph/0412410) Title: *Asymmetrical structure of ionization and kinematics in the Seyfert galaxy NGC 5033*
14. **García-Lorenzo, B.**, Sánchez, S.F., Mediavilla, E., González-Serrano, J.I., & Christensen, L. 2005, ApJ, 621, 146 (astro-ph/0411298), Title: *Integral Field Spectroscopy of the Central Regions of 3C 120: Evidence of a Past Merging Event*
15. **García-Lorenzo, B.**, Fuensalida, J.J., Muñoz-Tuñón, C., & Mendizabal, E. 2005, MNRAS, 356, 849 (astro-ph/0410599), Title: *Astronomical Site Ranking Based on Tropospheric Wind Statistics*
16. Sánchez, S.F., Becker, T., **García-Lorenzo, B.**, Benn, C.R., Christensen, L., Kelz, A., Jahnke, K., & Roth, M.M. 2005, A&A letters, 429, 21 (astro-ph/0411528), Title: *The merging/AGN connection. II. Ionization of the circumnuclear regions*
17. Lípari, S., Mediavilla, E., **García-Lorenzo, B.**, Díaz, R.J., Acosta-Pulido, J., Aguero, M.P., Taniguchi, Y., Dottori, H., & Terlevich, R. 2004, MNRAS, 355, 641, Title: *IR mergers and infrared quasi-stellar objects with galactic winds - II. NGC5514: two extranuclear starbursts with LINER properties and a supergiant bubble in the rupture phase*
18. Sánchez, S.F., **García-Lorenzo, B.**, Mediavilla, E., González-Serrano, J.I., & Christensen, L. 2004, ApJ, 615, 156, Title: *Clean Optical Spectrum of the Radio Jet of 3C 120*
19. Chueca, S., **García-Lorenzo, B.**, Muñoz-Tuñón, C., & Fuensalida, J.J., 2004, MNRAS, 349, 627, Title: *Statistics and analysis of high-altitude wind above the Canary Islands observatories*
20. Holt, J., Benn, C.R., Vigotti, M., Pedani, M., Carballo, R., González-Serrano, J.I., Mack, K.H., & **García-Lorenzo, B.**, 2004, MNRAS, 348, 857, Title: *A sample of radio-loud QSOs at redshift ~4*
21. Lípari, S., Mediavilla, E., Díaz, R.J., **García-Lorenzo, B.**, Acosta-Pulido, J., Aguero, M.P., & Terlevich, R. 2004, MNRAS, 348, 369, Title: *IR mergers and IR QSOs with galactic winds. I. NGC~2623: nuclear outflow in a proto-elliptical candidate*
22. S.F.Sánchez, L.Christensen, T.Becker, A.Kelz, K.Jahnke, C.Benn, **B. García-Lorenzo**, & Roth, M.M., 2004, AN, 325, 112. Title: *The Merger/AGN connection: A case for 3D spectroscopy*
23. Cairós, L.M., Caon, N., Papaderos, P., Noeske, K., Vílchez, J., **García-Lorenzo, B.**, & Muñoz-Tuñón, C., 2003, ApJ, 593, 312 (astro-ph/0306307). Title: *Deep Near Infrared Mapping of Young and Old Stars in Blue Compact Dwarf Galaxies*
24. Cairós, L.M., **García-Lorenzo B.**, Caon, N., Vílchez, J., Papaderos, P., & Noeske, K. 2003, Ap&SS, 284, 611. Title: *Spectrophotometric investigations of the blue compact dwarf galaxy Mrk~35*
25. Cairós, L.M., Caon, N., **García-Lorenzo B.**, Vílchez, J., & Muñoz-Tuñón, C. 2002, ApJ, 577, 164. Title: *Spectrophotometric Observations of the Blue Compact Dwarf Galaxies: Mrk 370*

26. Motta, V., Mediavilla, E., Muñoz, J.A., Falco, E., Kochanek, C.S., Arribas, S., **García-Lorenzo B.**, Oscoz, A., & Serra-Ricart, M. 2002, ApJ, 574, 719. Title: *Detection of the 2175 Å Extinction Feature at z=0.83*
27. **García-Lorenzo B.**, Arribas, S., Mediavilla, E. 2001, A&A, 378, 787. Title: *Stellar and Ionized Gas Kinematics in the Seyfert 1.9 Galaxy NGC 2992*
28. **García-Lorenzo B.**, Arribas, S., & Mediavilla, E. 2001, Ap&SS, 277, 459. Title: *Integral Field Spectroscopy of Active Galaxies*
29. **García-Lorenzo B.**, Cairós, L.M., Caon, N., & Vílchez, J. 2001, Ap&SS, 277, 461. Title: *Two-Dimensional Spectroscopy of BCDs: MRK 370*
30. Cairós, L.M., Caon, N., Vílchez, J., **García-Lorenzo B.**, & Muñoz-Tuñón, C. 2001, Ap&SS, 277, 453. Title: *Spectrophotometric Observations of Blue Compact Dwarf Galaxies: Mkn 370, Mkn 600 and Mkn 36*
31. **García-Lorenzo B.**, Mediavilla, E., & Arribas, S. 2001, Ap&SS, 276, 1121. Title: *Integral Field Spectroscopy of Six Seyfert Galaxies*
32. **García-Lorenzo B.**, Arribas, S., & Mediavilla, E. 2001, Ap&SS, 276, 437. Title: *Two-Dimensional Spectroscopy of NGC 2992*
33. Peletier, R.F., Vazdekis, A., Arribas, A., del Burgo, C., **García-Lorenzo, B.**, Gutiérrez, C., Mediavilla, E., & Prada, F. 1999, MNRAS, 310, 863. Title: *Two-Dimensional Line-strength Maps in Three Well-studied Early-Type Galaxies*
34. **García-Lorenzo B.**, Mediavilla, E., & Arribas, S. 1999, ApJ, 518, 190. Title: *Spectroscopic Atlas of the Central 24''x20'' of the Seyfert 2 Galaxy NGC 1068*
35. Arribas, S., Mediavilla, E., **García-Lorenzo, B.**, Del Burgo, C., & Fuensalida, J.J. 1999, A&AS, 136, 189. Title: *Differential atmospheric refraction in integral-fields spectroscopy: Effects and correction*
36. Arribas, S., Mediavilla, E., del Burgo, C., & **García-Lorenzo, B.** 1999, ApJ, 511, 680. Title: *Two-Dimesional Spectroscopy in the Circumnuclear Region of the Seyfert 1 Ring Galaxy NGC 985*
37. Mediavilla, E., Arribas, S., del Burgo, C., Oscoz, A., Serra-Ricart, M., Alcalde, D., Falco, E.E., Goicoechea, L.J., **García-Lorenzo, B.**, and Buitrago, J. 1998, ApJL, 503, L27. Title: *Two-dimensional Spectroscopy Reveals an Arc of Extended Emission in the Gravitational Lens System Q2237+0305*
38. Mediavilla, E., Arribas, S., **García-Lorenzo, B.**, and del Burgo, C. 1998, ApJ, 494, L9. Title: *Extended Broad Balmer Emission in the Seyfert 1 Galaxy Mkn509*
39. Arribas, S., Mediavilla, E., **García-Lorenzo, B.**, & del Burgo, C. 1997, ApJ, 490, 227. Title: *Stellar and Ionized Gas Kinematics of the Seyfert 1 Galaxy NGC 3516*
40. Mediavilla E., Arribas S., **García-Lorenzo B.**, & del Burgo, C. 1997, ApJ, 488, 682. Title: *Stellar and Ionized Gas Kinematics in the Circumnuclear Region of the Galaxy NGC 7331*

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42. **García-Lorenzo, B.**, Mediavilla, E., Arribas, S. & del Burgo, C. 1997, in Proceedings of the NGC 1068 Workshop, Eds. J.F. Gallimore and L.J. Tacconi, Ap&SS, 248, 43. Title: *Stellar Velocity Field in the Central Region of NGC 1068*
43. Arribas, S., Mediavilla, E., **García-Lorenzo, B.** & del Burgo, C. 1997, in Proceedings of the NGC 1068 Workshop, Eds. J.F. Gallimore and L.J. Tacconi, Ap&SS, 248, 159. Title: *Ionized Gas Velocity Field in Central Region of NGC 1068 Inferred from the [OIII]4959,5007 and [SIII]9069 Lines*
44. Mediavilla, E., Arribas, S., **García-Lorenzo,B.** & del Burgo, C. 1997, in Proceedings of the NGC 1068 Workshop, Eds. J.F. Gallimore and L.J. Tacconi, Ap&SS, 248, 151. Title: Kinematic Subsystems of the Ionized Gas in the Central Region of NGC 1068 Inferred from the [OIII]4959,5007 and [SIII]9069 Emission Lines
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Libros y capítulos de libros

1. Sánchez, S.F., **García-Lorenzo, B.**, & Pécontal-Rousset, A. Chapter Tutorials: *How to handle 3D spectroscopy data "EURO3D Spectroscopy"* (XVII Canary Islands Winter School, 2005) Cambridge University Press. Eds. Mediavilla, E., Arribas, S., Cepa, J., & Sánchez F. (in print)

Comunicaciones orales a congresos

1. **García-Lorenzo, B.**, Fuensalida, J.J., Castro-Almazán, J., & Rodríguez-Hernández, M.A.C. 2008, Optical Turbulence: Astronomy meets Meteorology, to be published on the ESO Conf. Proc., Title: *Vertical turbulence profiles at the Canary Islands Astronomical Sites*
2. Eff-Darwich, A., **García-Lorenzo, B.**, Bonatto, L., Hernández-Gutierrez, L.E., Viñas, R.E., Rodríguez-Losada, J.A., González de Vallejo, L., & Muñoz-Tuñón, C. 2008, IV REUNIÓN de la RED ESPAÑOLA de VOLCANOLOGÍA, Title: *The effect of seismic activity on high angular resolution astronomy: site testing for future E-ELT*
3. Lipari, S., Terlevich, R., Taniguchi, Y., Mediavilla, E., Bergmann, M., **García-Lorenzo, B.**, Sánchez, S.F., Zheng, W., Punsly, B., & Merlo, D. 2008, meetingof the Asociación Argentina of Astronomy: Stellar Astrophysics, Title: *The Role of very massive Stars and hyper-nova in exploding QSOs/Mergers (and their shells)*

4. **García-Lorenzo, B.**, Fuensalida, J.J., & Rodríguez-Hernández, M.A.C. 2007, SPIE Europe Symposium on Remote Sensing: Optics in Atmospheric Propagation and Adaptive Systems, SPIE, 6747, 11, Title: *Statistical turbulence vertical profiles at the Roque de los Muchachos and Teide Observatories*
5. Lipari, S., Bergmann, M., Sánchez, S. F., Terlevich, R., Mediavilla, E., Punsly, B., **García-Lorenzo, B.**, Zheng, W., & Sistero, R. 2007, (arXiv:0707.1493) Actas del Workshop Astronomía Teórica en Argentina: Problemas y Perspectivas 2007, Asociación Argentina de Astronomía, Title: *The Role of Exploding QSOs in Explosive Models of Evolution, Formation and End of Galaxies*
6. Fuensalida, J.J., **García-Lorenzo, B.**, Delgado, J.M., Rodríguez-Hernández, M.A.C., & Vernin, J. 2007, RMxAC, 31, 86 Title: Sampling and characterization of the turbulence vertical distribution. Statistics of SCIDAR profiling
7. Fuensalida, J.J., **García-Lorenzo, B.**, Delgado, J.M., Rodríguez-Hernández, M.A.C., & Vernin, J. 2007, Symposium on Seeing proceedings, Title: *Statistical turbulence vertical profiles at the Roque de los Muchachos and Teide observatories*
8. López, R., Sánchez, S., **García-Lorenzo, B.**, Estalella, R., Gómez, G., Riera, A., & Exter, K. 2007, Science Perspectivas for 3D Spectroscopy, ESO Astrophysics Symposia European Southern Observatory, 343, Title: *3D Spectroscopy of Herbig-Haro Objects*
9. Alfaro, E.J., **García-Lorenzo, B.**, Efremov, Yu.N., & Muñoz-Tuñón, C. 2007, Astrophysics and Cosmology after Gamov, edited by G.S. Bisnovatyi-Kogan, S. Silich, E. Terlevich, R. Terlevich & A. Zhuk, p.437, Title: *Three-dimensional spectroscopy of a starburst region in the spiral galaxy NGC 6946*
10. **García-Lorenzo, B.**, Fuensalida, J.J., Rodríguez-Hernández, M.A.C., Delgado, J.M., & Hoegemann, C. 2007 in Highlights of Spanish Astrophysics (IV), Proceedings of the Seventh Scientific Meeting of the Spanish Astronomical Society (SEA), edited by Figueras, F.; Girart, J.M.; Hernanz, M.; Jordi, C. (Eds.) Title: *Profiling of atmospheric turbulence: activities at the Instituto de Astrofísica de Canarias*
11. Varela, A.M., Muñoz-Tuñón, C., **García-Lorenzo, B.**, & Fuensalida, J.J. 2006, SPIE, 6267, 62, Title: *Tropospheric wind regimes and site topography effects: importance for site characterization*
12. Varela, A.M., Muñoz-Tuñón, C., Fuensalida, J.J., **García-Lorenzo, B.**, & Eff-Darwich, A. 2005, in proceedings of the XI Congreso Nacional de Teledetección. Title: *Calima anticiclónica y mar de nubes: implicaciones en los Observatorios de Canarias*
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14. Fuensalida, J.J., **García-Lorenzo, B.**, Castro-Almazán, J., Chueca, S., Delgado, J.M., González-Rodríguez, J.M., Hernández, E., Hoegemann, C., Mendizábal, E., Muñoz-Tuñón, C., Reyes, M., Rodríguez-Hernández, M.A.C., Varela, A.M., Verde, M., & Vernin, J. 2005, in proceedings of the XI Congreso Nacional de Teledetección. Title: *Medida de la turbulencia atmosférica en los Observatorios de Canarias: la técnica SCIDAR*

15. **García-Lorenzo, B.**, Fuensalida, J.J., Mendizábal, E., Muñoz-Tuñón, C., & Varela, A.M. 2005, in proceedings of the XI Congreso Nacional de Teledetección. Title: *Archivos de diagnóstico del clima: una herramienta para evaluar la calidad de los observatorios astronómicos*
16. Castro-Almazán, J., Chueca, S., Fuensalida, J.J., Alonso, A., **García-Lorenzo, B.**, Hoegemann, C., Mendizábal, E., & Rodríguez-Hernández, M.A.C. 2005, in proceedings of the XI Congreso Nacional de Teledetección. Title: *Caracterización de la capa de sodio mesosférico para sistemas de estrella de guiado láser (LGS) en el Observatorio del Teide*
17. **García-Lorenzo, B.**, Fuensalida, J.J., Mendizábal, E., Muñoz-Tuñón, C., & Varela, A. 2004, SPIE, 5572, 68, Title: *Climate diagnostic archives: an approach to ELT site selection*
18. Fuensalida, J.J., **García-Lorenzo, B.**, Castro, J., Chueca, S., Delgado, J.M., González-Rodríguez, J.M., Hoegemann, C., Reyes, M., Verde, M., & Vernin, J. 2004, SPIE, 5572, 1, Title: *Statistics of atmospheric parameters for multiconjugated adaptive optics for the Observatorio del Roque del los Muchachos*
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20. Fuensalida, J.J., Chueca, S., Delgado, J.M., **García-Lorenzo, B.**, Rodríguez-Gonzalez, J.M., Hoegemann, C., Mendizábal, E., Reyes, M., Verde, M., & Vernin, J. 2004, SPIE, 5490, 749, Title: *Vertical structure of the turbulence above the observatories of the Canary Islands: parameters and statistics for adaptive optics*
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22. Lípari, S., Dottori, H., Mediavilla, E., Terlevich, R., Diaz, R., Taniguchi, Y., **García-Lorenzo, B.**, Acosta-Pulido, J., & Zheng, W. 2004, IAUS, 217, 302, Title: *IR Mergers/QSOs with Galactic Winds*
23. Lípari, S., Taniguchi, T., Mediavilla, E., Dottori, H., Terlevich, R., Ajiki, M., Shioya, Y., Diaz, R.J., **García-Lorenzo, B.**, Acosta-Pulido, J.A., & Zheng, W. 2004, IAU Symposium, 222, 529, Title: *Extreme galactic wind and star formation at low and high redshift*
24. Fuensalida, J.J., Chueca, S., Delgado, J.M., **García-Lorenzo, B.**, González-Rodríguez, J.M., Hoegemann, C., Mendizábal, E., Reyes, M., Verde, M., & Vernin, J. 2004, SPIE, 5382, 619, Title: *Turbulence profiles in the observatories of the Canary Islands: preliminary statistics for adaptive optics*
25. Chueca, S., **García-Lorenzo, B.**, Mendizábal, E., Varela, A., Fuensalida, J.J., & Muñoz-Tuñón, C. 2003, SPIE, 5237, 20. Title: *Input Parameters of the HV model above Canarian Observatories*
26. **García-Lorenzo, B.**, Chueca, S., Muñoz-Tuñón, C., Fuensalida, J.J., & Mendizábal, E. 2003, Proceedings of the ``Encuentro sobre Meteorología y Atmósfera de Canarias'', Puerto de la cruz, Tenerife, Nov. 12-14 2003. Title: *Ánálisis estadístico del viento a 200 milibares en los observatorios de Canarias*

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28. Pérez-García, A.M., Colombón, L., **García-Lorenzo, B.**, & Acosta-Pulido, J.A., in Highlights of Spanish Astrophysics (III), Proceedings of the V Scientific Meeting of the Spanish Astronomical Society (SEA), edited by J. Gallego, J. Zamorano, N. Cardiel (eds.), ISBN 1-4020-1388-4, July 2003
29. S. Arribas, E. Mediavilla, L. Colina, & **B. García-Lorenzo** 2002, in Galaxies: the Third Dimension, ASP Conference Proceedings, Vol.282. Edited by Margarita Rosado, Luc Binette, and Lorena Arias. ISBN: 1-58381-125-7. San Francisco: Astronomical Society of the Pacific, 2002., p.305 Title: *INTEGRAL observations of galaxies: Arp 220 and IRAS15206+3342 (Invited talk)*
30. **García-Lorenzo, B.**, Acosta-Pulido, J.A., & Megias-Fernández, E. 2002, in Galaxies: the Third Dimension, ASP Conference Proceedings, Vol.282. Edited by Margarita Rosado, Luc Binette, and Lorena Arias. ISBN: 1-58381-125-7. San Francisco: Astronomical Society of the Pacific, 2002., p.501 Title: *IDA: A new software tool for INTEGRAL field spectroscopy Data Analysis*
31. Mediavilla, E., Arribas, S., García, A., Rasilla, J.L., & **García-Lorenzo, B.** 2001, SEA Boletín Informativo, Vol. 1, número 5. Title: *Algunas aplicaciones científicas de la espectroscopía 2D*
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33. Arribas, S., Cavaller, L., **García-Lorenzo, B.**, García-Marín, A., Herreros, J.M., Mediavilla, E., Pi, M., del Burgo, C., Fuentes, Rasilla, J.L., Sosa, N., Carter, D., Jones, L., Edwards, R., Gentles, B., Pollacco, D., & Rees, P. 1998, in Proceedings of the Fiber Optics in Astronomy III (Conference), in A.S.P. Conf.Ser., Vol. 152, 149. December 2-4, Tenerife, Spain. Title: *INTEGRAL: An Optical Fiber System to Perform 2D Spectroscopy at the 4.2-m William Herschel Telescope*
34. Serra-Ricart, M., Mediavilla, E., Arribas, S., Del Burgo, C., Oscoz, A., Alcaide, D., Goicoechea, L., **García-Lorenzo, B.**, & Buitrago, J. 1998, in Proceedings of the Fiber Optics in Astronomy III (Conference), in A.S.P. Conf.Ser., Vol. 152, 155. December 2-4, Tenerife, Spain. Title: *2-D Spectroscopy of the Gravitational Lens System Q2237+0305 with INTEGRAL*
35. Peletier, R., Arribas, S., del Burgo, C., **García-Lorenzo, B.**, Mediavilla, E., Gutiérrez, C., Prada, F. & Vazdekis, A. 1998, in Proceedings of the Fiber Optics in Astronomy III (Conference), in A.S.P. Conf.Ser., Vol. 152, 174. December 2-4, Tenerife, Spain. Title: *Two-Dimensional Stellar Kinematics and Population Analysis of Galaxies*
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