

# CURRICULUM VITAE

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Name: **Dr. Asmus Böhm**  
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## EDUCATION & JOB HISTORY

05/2017 - present: University Assistant, Institute for Astrophysics, Vienna, AUT  
02/2015 - 04/2017: External Scientist, Institute for Astro- and Particle Physics, Innsbruck, AUT  
02/2009 - 01/2015: Research Assistant, Institute for Astro- and Particle Physics, Innsbruck, AUT  
10/2005 - 01/2009: Postdoc, Leibniz Institute for Astrophysics, Potsdam, GER  
12/2003 - 09/2005: Postdoc, University Observatory Göttingen, GER  
06/1999 - 12/2003: PhD thesis at University Observatory Göttingen, GER, entitled  
“The evolution of distant spiral galaxies in the FORS Deep Field”  
(grade: summa cum laude)  
12/1997 - 05/1999: Diploma thesis at University Observatory Göttingen, GER,  
on photometry and spectroscopy of quasar environments  
(grade: very good; thesis won “Berliner-Ungewitter” award)  
10/1990 - 05/1999: Physics studies at University of Göttingen, GER

## LANGUAGES

German (native speaker), English (fluent), French (basics)

## FIELDS OF RESEARCH

- Kinematics of distant galaxies
- Clusters of galaxies & cluster-specific interaction processes
- Galaxy evolution, in particular utilizing galaxy scaling relations
- Surface brightness profile fitting, quantitative galaxy morphologies
- Stellar populations & spectrophotometric analysis of galaxies
- Galaxy surveys: core team member of
  - FORS Deep Field (150h VLT/FORS; PI I. Appenzeller, Heidelberg, GER)
  - OMEGA (90h GTC/OSIRIS; PI A. Aragón-Salamanca, Nottingham, UK)
  - STAGES (80 orbits HST/ACS; PI M. Gray, Nottingham, UK)
- Host galaxies of Active Galactic Nuclei
- Quasar environments & interaction-activity connection

## PUBLICATIONS

- 49 refereed papers (15 as first or second author)
- Most cited first author paper: 105 citations (Böhm et al. 2004, A&A, 420, 97)
- Total citations: 1676
- Total normalized citations: 146
- h-index: 23

## EXPERIENCE

- Reduction and analysis of deep photometric and spectroscopic data  
(2D: e.g. FORS, VIMOS; 3D: KMOS, SINFONI, VIMOS/IFU)
- Supervision and teaching on all levels: scholars, undergraduates, Master & PhD
- Dozens of contributed and invited talks at international conferences and workshops
- Programming languages: CSS, Fortran, HTML, IDL, Python
- Software packages: e.g. IRAF, GALFIT, MIDAS, Py3D, SExtractor, SuperMongo
- Operating systems: Linux, Unix, Windows
- Referee for ApJ, A&A, MNRAS
- Public outreach: frequent talks for pupils, students, teachers or amateur astronomers

## SUCCESSFUL OBSERVING TIME PROPOSALS

- **143 hours as Principal Investigator with the ESO Very Large Telescope:**  
( $\sim 800$  kEUR according to the factor of 50 kEUR/VLT night used by ESO)
  - Observing Period 92, ID 092.B-0147: 20 h with SINFONI  
*“The tip of the iceberg — kinematics and mass distributions of the most massive disk galaxies at redshifts  $z \approx 0.9$ ”*
  - Observing Period 91, ID 091.B-0579: 26 h with VIMOS (IFU mode)  
*“Integral Field Units vs. slit spectroscopy: how to derive the kinematics of intermediate-redshift disk galaxies?”*
  - Observing Period 90, ID 090.B-0705: 12.5 h with VIMOS (MOS mode)  
*“Dusty red galaxies: a smoking gun in the creation of cluster S0 galaxies?”*
  - Observing Period 84, ID 384.A-0813: 9 h with VIMOS (MOS mode)  
*“A kinematic survey of disk galaxies in the A901/02 supercluster”*
  - Observing Period 81, ID 081.B-0107: 25 h with FORS (MOS mode)  
*“The evolution of low-luminosity disk galaxies out to redshifts  $z \approx 0.7$ : evidence for down-sizing?”*
  - Observing Period 81, ID 081.B-0110: 12.5 h with FORS (MOS mode)  
*“The missing link: correlating bulge velocity dispersion and disk maximum rotation velocity in spiral galaxies at intermediate redshifts”*
  - Observing Period 79, ID 079.B-0246: 25 h with FORS (MOS mode)  
*“The evolution of low-luminosity disk galaxies out to redshifts  $z \approx 0.7$ : evidence for down-sizing?”*
  - Observing Period 79, ID 079.B-0603: 12.5 h with FORS (MOS mode)  
*“The missing link: correlating bulge velocity dispersion and disk maximum rotation velocity in spiral galaxies at intermediate redshifts”*
- Total amount of VLT time as Co-Investigator: 182 hours (17 proposals)
- Usage of other facilities as Co-Investigator:
  - Calar Alto 2.2m: 6 nights with PANIC (1 proposal)
  - Gemini: 21 h with GMOS (1 proposal), 5 h with NIRI (1 proposal)
  - Gran Telescopio Canarias: 104 h with OSIRIS (2 proposals)
  - HST: 27 orbits total with ACS (3 proposals) and NICMOS (1 proposal)

## STUDENT SUPERVISION & TEACHING

- Supervision of PhD students:
  - Benjamin Bösch* (University of Innsbruck, Austria, 02/2010-06/2013, thesis title: “Kinematic studies of disk galaxies inside and around the Abell 901/902 cluster system”)  
→ two accepted first author papers by the time of thesis defense
  - Florian Pranger* (University of Innsbruck, Austria, 10/2011-12/2014, thesis title: “Galaxy properties in cluster systems of different dynamical state”)  
→ two accepted first author papers by the time of thesis defense
- Supervision of Bachelor students:
  - Michael Neustetter* (Innsbruck, 2011)
  - Eva Canaval* (Innsbruck, 2011)
  - Kathrin Schmidt* (Innsbruck, 2012)
- Supervision of students during semester break (projects ranging from 2 to 8 weeks):  
1× at Göttingen university, 5× at Leibniz Institute Potsdam, 1× at Innsbruck university
- Lectures:
  - “Astronomy and Astrophysics II”, Humboldt Univ. Berlin, summer 2006  
(frequent replacements of Prof. L. Wisotzki)
  - “Galactic and Extragalactic Astrophysics”, Potsdam university, winter 2006/07  
(frequent replacements of Prof. L. Wisotzki)
  - “Astronomy and Astrophysics I”, Potsdam university, winter 2007/08  
(shared with Prof. M. Steinmetz)
- Seminars:
  - “Astronomy and Astrophysics II”, Humboldt Univ. Berlin, summer 2006
  - “Astronomy and Astrophysics I”, Potsdam university, winter 2007/08
  - “Astronomy and Astrophysics II”, Innsbruck, summer 2010
  - “Extragalactic Astrophysics”, Innsbruck winter 2010/11 and 2011/12  
(as part of the “AstroMundus” Master programme)
  - Bachelor seminar, Innsbruck, summer 2011 and summer 2012
- Practicals:
  - Astrophysical practical at Göttingen university (multiple semesters)
  - Laboratory practical “Experimental physics I”, Göttingen university, winter 2002/03
  - Night-time telescope practicals, Innsbruck, winter 2009/10 & summer 2010)
  - Blocked astrophysical practical Innsbruck, winter term 2009/10

# List of Publications

## *Refereed Journals*

49. Pérez, J. M., Ziegler, B. L., Verdugo, M., **Böhm, A.**, & Tanaka, M. 2017 “Galaxy kinematics in the XMM2235 cluster field at  $z \approx 1.4$ ”, *A&A*, 605, A127
48. Weinzirl, T., Aragón-Salamanca, A., Gray, M. E., Bamford, S. P., Rodríguez del Pino, B., Chies-Santos, A. L., **Böhm, A.**, Wolf, C., & Cool, R. J. 2017, “OMEGA — OSIRIS Mapping of Emission-line Galaxies in A901/2: III. — Galaxy Properties Across Projected Phase Space in A901/2”, *MNRAS*, 471, 182
47. Rodríguez del Pino, B., Aragón-Salamanca, A., Chies-Santos, A. L., Weinzirl, T., Bamford, S. P., Gray, M. E., Maltby, D., Wolf, C., & **Böhm, A.** 2017, “OMEGA — OSIRIS Mapping of Emission-line Galaxies in A901/2: II. — Environmental influence on integrated star formation properties and AGN activity”, *MNRAS*, 467, 4200
46. **Böhm, A.** & Ziegler, B.L. 2016, “Disk galaxy scaling relations at intermediate redshifts I. The Tully-Fisher and velocity-size relations”, *A&A*, 592, A64
45. Hoyos, C., Aragón-Salamanca, A., Gray, M. E., Wolf, C., Maltby, D., Bell, E. F., **Böhm, A.**, & Jogee, S. 2016, “Linking the Structural Properties of Galaxies and their Star Formation Histories with STAGES”, *MNRAS*, 455, 295
44. Chies-Santos, A. L., Rodríguez del Pino, B., Aragón-Salamanca, A., Bamford, S. P., Gray, M. E., Wolf, C., **Böhm, A.** Maltby, D., Pintos-Castro, I., Sanchez-Portal, M., & Weinzirl, T. 2015, “OMEGA — OSIRIS Mapping of Emission-line Galaxies in A901/2: I. — Survey description, data analysis, and star formation and AGN activity in the highest density regions”, *MNRAS*, 450, 4458
43. Maltby, D. T., Aragón-Salamanca, A., Gray, M.E., Hoyos, C., Wolf, C., Jogee, S., & **Böhm, A.** 2015, “The environmental dependence of the structure of galactic discs in STAGES S0 galaxies: implications for S0 formation”, *MNRAS*, 447, 1506
42. Pranger<sup>1</sup>, F., **Böhm, A.**, Ferrari, C., Maurogordato, S., Benoist, C., Höller, H., & Schindler, S. 2014, “Abell 2384: the galaxy population of a cluster post-merger”, *A&A*, 570, A40
41. Ferreras, I., **Böhm, A.**, Ziegler, B.L., & Silk, J. 2014, “Age-dating the Tully-Fisher relation at moderate redshift”, *MNRAS*, 437, 1872
40. Pranger<sup>1</sup>, F., **Böhm, A.**, Ferrari, C., Diaferio, A., Hunstead, R. W., Maurogordato, S., Benoist, C., Brinchmann, J., & Schindler, S. 2013, “The galaxy population of the complex cluster system Abell 3921”, *A&A*, 557, A62 (NB: an erratum to this paper was published in 2014, *A&A*, 567, C1, containing a small correction to the star formation rates; all conclusions

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<sup>1</sup> F. Pranger is a former PhD student supervised by me at Innsbruck University. He successfully defended his thesis in December 2014.

remained unchanged)

39. Bösch<sup>2</sup>, B., **Böhm, A.**, Wolf, C., Aragón-Salamanca, A., Ziegler, B. L., Barden, M., Gray, M. E., Balogh, M., Meisenheimer, K., Schindler, S. 2013, “Tully-Fisher analysis of the multiple cluster system Abell 901/902”, *A&A*, 554, A97
38. Bösch<sup>2</sup>, B., **Böhm, A.**, Wolf, C., Aragón-Salamanca, A., Barden, M., Gray, M. E., Ziegler, B. L., Schindler, S., Balogh, M. 2013, “Ram pressure and dusty red galaxies - key factors in the evolution of the multiple cluster system Abell 901/902”, *A&A*, 549, A142
37. **Böhm, A.**, Wisotzki, L., Bell, E. F., Jahnke, K., Wolf, C., Bacon, D., Barden, M., Gray, M. E., Hoeppe, G., Jogee, S., McIntosh, D. H., Peng, C. Y., Robaina, A. R., Balogh, M., Barazza, F. D., Caldwell, J. A. R., Heymans, C., Häußler, B., van Kampen, E., Lane, K., Meisenheimer, K., Sanchez, S. F., Taylor, A. N., Zheng, X. 2013, “AGN host galaxies at redshift  $z \approx 0.7$ : peculiar or not?”, *A&A*, 549, A46
36. Hoyos, C., Aragón-Salamanca, A., Gray, M. E., Maltby, D. T., Barazza, F. D., Bell, E. F., **Böhm, A.**, Häußler, B., Jahnke, K., Jogee, S., Lane, K. P., McIntosh, D. H., Wolf, C. 2012, “A new automatic method to identify galaxy mergers I. Description and application to the STAGES survey”, *MNRAS*, 419, 2703
35. Simon, P., Heymans, C., Schrabback, T., Taylor, A. N., Gray, M. E., van Waerbeke, L., Wolf, C., Bacon, D., Barden, M., **Böhm, A.**, Häußler, B., Jahnke, K., Jogee, S., van Kampen, E., Meisenheimer, K., Peng, C. Y. 2012, “Spatial matter density mapping of the STAGES Abell A901/2 supercluster field with 3D lensing”, *MNRAS*, 419, 998
34. Maltby, D. T., Gray, M. E., Aragón-Salamanca, A., Wolf, C., Bell, E. F., Jogee, S., Häußler, B., Barazza, F. D., **Böhm, A.**, Jahnke, K. 2012, “The environmental dependence of the structure of galactic discs in STAGES spiral galaxies”, *MNRAS*, 419, 669
33. Tonini, C., Maraston, C., Ziegler, B. L., **Böhm, A.**, Thomas, D., Devriendt, J., & Silk, J. 2011, “The hierarchical build-up of the Tully-Fisher relation”, *MNRAS*, 415, 811
32. Kutdemir, E., Ziegler, B. L., Peletier, R., Da Rocha, C., **Böhm, A.**, & Verdugo, M. 2010, “Internal kinematics of spiral galaxies in distant clusters IV. Gas kinematics of spiral galaxies in intermediate redshift clusters and in the field”, *A&A*, 520, 109
31. Maltby, D. T., Aragón-Salamanca, A., Gray, M. E., Barden, M., Häußler, B., Wolf, C., Peng, C. Y., Jahnke, K., McIntosh, D. H., **Böhm, A.**, & van Kampen, E. 2010, “The environmental dependence of the stellar-mass-size relation in STAGES galaxies”, *MNRAS*, 402, 282
30. Barazza, F. D., Wolf, C., Gray, M. E., Jogee, S., Balogh, M., McIntosh, D. H., Bacon, D., Barden, M., Bell, E. F., **Böhm, A.**, Caldwell, J. A. R., Häußler, B., Heiderman, A., Heymans, C., Jahnke, K., van Kampen, E., Lane, K., Marinova, I., Meisenheimer, K., Peng, C. Y., Sanchez, S. F., Taylor, A., Wisotzki, L., & Zheng, X. 2009, “Relating basic properties of bright early-type dwarf galaxies to their location in Abell 901/902”, *A&A*, 508, 665

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<sup>2</sup>B. Bösch is a former PhD student supervised by me at Innsbruck University. He successfully defended his thesis in June 2013.

29. Heiderman, A., Jogee, S., Marinova, I., van Kampen, E., Barden, M., Peng, C. Y., Heymans, C., Gray, M. E., Bell, E. F., Bacon, D., Balogh, M., Barazza, F. D., **Böhm, A.**, Caldwell, J. A. R., Häußler, B., Jahnke, K., Lane, K., McIntosh, D. H., Meisenheimer, K., Sanchez, S. F., Somerville, R., Taylor, A., Wisotzki, L., Wolf, C., & Zheng, X. 2009, “Interacting galaxies in the A901/902 Supercluster with STAGES”, *ApJ*, 705, 1433
28. Robaina, A. R., Bell, E. F., Skelton, R. E., McIntosh, D. H., Somerville, R. S., Zheng, X., Rix, H.-W., Bacon, D., Balogh, M., Barazza, F. D., Barden, M., **Böhm, A.**, Caldwell, J. A. R., Gallazzi, A., Gray, M. E., Häußler, B., Heymans, C., Jahnke, K., Jogee, S., van Kampen, E., Lane, K., Meisenheimer, K., Papovich, C., Peng, C. Y., Sanchez, S., Skibba, R., Taylor, A., Wisotzki, L., & Wolf, C. 2009, “Less than 10 Percent of star formation in  $z \sim 0.6$  massive galaxies is triggered by major interactions”, *ApJ*, 704, 324
27. Jahnke, K., Elbaz, D., Pantin, E., **Böhm, A.**, Wisotzki, L., Letawe, G., Chantry, V., & Lagage, P.-O. 2009, “The QSO HE 0450-2958: Scantily Dressed or Heavily Robed? A Normal Quasar as Part of an Unusual ULIRG”, *ApJ*, 700, 1820
26. Marinova, I., Jogee, S., Heiderman, A., Barazza, F. D., Gray, M. E., Barden, M., Wolf, C., Peng, C. Y., Bacon, D., Balogh, M., Bell, E. F., **Böhm, A.**, Caldwell, J. A. R., Häußler, B., Heymans, C., Jahnke, K., van Kampen, E., Lane, K., McIntosh, D. H., Meisenheimer, K., Sanchez, S. F., Somerville, R., Taylor, A., Wisotzki, L., & Zheng, X. 2009, “Barred galaxies in the Abell 901/2 supercluster with STAGES”, *ApJ*, 698, 1639
25. Fritz, A., **Böhm, A.**, & Ziegler, B. L. 2009, “The evolution of field early-type galaxies in the FDF and WHDF”, *MNRAS*, 393, 1467
24. Wolf, C., Aragón-Salamanca, A., Balogh, M., Barden, M., Bell, E. F., Gray, M. E., Peng, C. Y., Bacon, D., Barazza, F. D., **Böhm, A.**, Caldwell, J. A. R., Gallazzi, A., Häußler, B., Heymans, C., Jahnke, K., Jogee, S., van Kampen, E., Lane, K., McIntosh, D. H., Meisenheimer, K., Papovich, C., Sanchez, S., Taylor, A., Wisotzki, L., & Zheng, X. 2009, “The STAGES view of red spirals and dusty red galaxies: mass-dependent quenching of star-formation in cluster infall”, *MNRAS*, 393, 1302
23. Gray, M. E., Wolf, C., Barden, M., Peng, C. Y., Häußler, B., Bell, E. F., McIntosh, D. H., Guo, Y., Caldwell, J. A. R., Bacon, D., Balogh, M., Barazza, F. D., **Böhm, A.**, Heymans, C., Jahnke, K., Jogee, S., van Kampen, E., Lane, K., Meisenheimer, K., Sanchez, S., Taylor, A., Wisotzki, L., Zheng, X., Green, D. A., Beswick, R. J., Saikia, D. J., Gilmour, R., Johnson, B. D., & Papovich, C. 2009, “STAGES: the Space Telescope A901/2 Galaxy Evolution Survey”, *MNRAS*, 393, 1275
22. Gallazzi, A., Bell, E. F., Wolf, C., Gray, M. E., Papovich, C., Barden, M., Peng, C. Y., Meisenheimer, K., Heymans, C., van Kampen, E., Gilmour, R., Balogh, M., McIntosh, D. H., Bacon, D., Barazza, F. D., **Böhm, A.**, Caldwell, J. A. R., Häußler, B., Jahnke, K., Jogee, S., Lane, K., Robaina, A. R., Sanchez, S., Taylor, A., Wisotzki, L., & Zheng, X. 2009, “Obscured star formation in intermediate-density environments: a Spitzer study of the Abell 901/902 supercluster”, *ApJ*, 690, 1883
21. Kutdemir, E., Ziegler, B. L., Peletier, R. F., Da Rocha, C., Kronberger, T., Kapferer, W.,

Schindler, S., **Böhm, A.**, Jäger, K., Kuntschner, H., & Verdugo, M. 2008, “Internal kinematics of spiral galaxies in distant clusters”, *A&A*, 488, 117

20. Heymans, C., Gray, M. E., Peng, C. Y., Van Waerbeke, L., Bell, E. F., Wolf, C., Bacon, D., Balogh, M., Barazza, F. D., Barden, M., **Böhm, A.**, Caldwell, J. A. R., Häußler, B., Jahnke, K., Jogee, S., van Kampen, E., Kopecký, S., Lane, K., McIntosh, D. H., Meisenheimer, K., Mellier, Y., Rix, H.-W., Sanchez, S. F., Taylor, A. N., Wisotzki, L., & Zheng, X. 2008, “The dark matter environment of the Abell 901/902 supercluster: a weak lensing analysis of the HST STAGES survey”, *MNRAS*, 385, 1431

19. **Böhm, A.**, & Ziegler, B. L. 2007, “Evolution of field spiral galaxies up to redshifts  $z=1$ ”, *ApJ*, 668, 846

18. Kronberger, T., Kapferer, W., Schindler, S., **Böhm, A.**, Kutdemir, E., & Ziegler, B.L. 2006, “Internal kinematics of modelled interacting disk galaxies”, *A&A*, 458, 69

17. Gabasch, A., Hopp, U., Feulner, G., Bender, R., Seitz, S., Saglia, R. P., Snigula, J., Drory, N., Appenzeller, I., Heidt, J., **Böhm, A.**, Jäger, K., & Ziegler, B. L. 2006, “The evolution of the luminosity functions in the FORS Deep Field from low to high redshift: II. The red bands”, *A&A*, 448, 101

16. Kapferer, W., Kronberger, T., Schindler, S., **Böhm, A.**, Ziegler, B. L. 2006, “Internal kinematics of isolated modelled disk galaxies”, *A&A*, 446, 847

15. **Böhm, A.**, & Ziegler, B. L. 2005, “The evolution of field spiral galaxies over the past 8 Gyr”, *RvMA*, 18, 106

14. Ziegler, B. L., Thomas, D., **Böhm, A.**, Bender, R., Fritz, A., & Maraston, C. 2005, “Kinematic and chemical evolution of early-type galaxies”, *A&A*, 433, 519

13. Ferreras, I., Silk, J., **Böhm, A.**, & Ziegler, B. L. 2004, “The star formation history of intermediate redshift late-type galaxies”, *MNRAS*, 355, 64

12. Fuchs, B., **Böhm, A.**, Möllenhoff, C., & Ziegler, B. L. 2004, “Quantitative interpretation of the rotation curves of spiral galaxies at redshifts  $z \approx 0.7$  and  $z \approx 1.0$ ”, *A&A*, 427, 95

11. Jäger, K., Ziegler, B. L., **Böhm, A.**, Heidt, J., Möllenhoff, C., Hopp, U., Mendez, R. H., & Wagner, S. 2004, “Internal kinematics of spiral galaxies in distant clusters. Part II. Observations and data analysis”, *A&A*, 422, 907

10. Gabasch, A., Bender, R., Seitz, S., Hopp, U., Saglia, R. P., Feulner, G., Snigula, J., Drory, N., Appenzeller, I., Heidt, J., Mehlert, D., Noll, S., **Böhm, A.**, Jäger, K., Ziegler, B. L., & Fricke, K. J. 2004, “The evolution of the luminosity functions in the FORS Deep Field from low to high redshift. I. The blue bands”, *A&A*, 421, 41

9. **Böhm, A.**, Ziegler, B. L., Saglia, R. P., Bender, R., Fricke, K. J., Gabasch, A., Heidt, J., Mehlert, D., Noll, S., & Seitz, S. 2004, “The Tully-Fisher relation at intermediate redshift”, *A&A*, 420, 97

8. Noll, S., Mehlert, D., Appenzeller, I., Bender, R., **Böhm, A.**, Gabasch, A., Heidt, J., Hopp,



- U., Jäger, K., Seitz, S., Stahl, O., Tapken, C., & Ziegler, B. L. 2004, “The FORS Deep Field spectroscopic survey”, *A&A*, 418, 885
7. Ziegler, B. L., **Böhm, A.**, Jäger, K., Heidt, J., & Möllenhoff, C. 2003, “Internal kinematics of spiral galaxies in distant clusters”, *ApJL*, 598, 87
6. **Böhm, A.**, Ziegler, B. L., Fricke, K. J., & the FDF Team 2003, “Scaling relations of field spirals at intermediate redshift”, *Ap&SS*, 284, 689
5. Heidt, J., Appenzeller, I., Gabasch, A., Jäger, K., Seitz, S., Bender, R., **Böhm, A.**, Snigula, J., Fricke, K. J., Hopp, U., Kümmel, M., Möllenhoff, C., Szeifert, T., Ziegler, B. L., Drory, N., Mehlert, D., Moorwood, A., Nicklas, H., Noll, S., Saglia, R. P., Seifert, W., Stahl, O., Sutorius, E., & Wagner, S. J. 2003, “The FORS Deep Field: field selection, photometric observations and photometric catalog”, *A&A*, 398, 49
4. Mehlert, D., Noll, S., Appenzeller, I., Saglia, R. P., Bender, R., **Böhm, A.**, Drory, N., Fricke, K. J., Gabasch, A., Heidt, J., Hopp, U., Jäger, K., Möllenhoff, C., Seitz, S., Stahl, O., & Ziegler, B. L. 2002, “Evidence for chemical evolution in the spectra of high redshift galaxies”, *A&A*, 393, 809
3. Ziegler, B. L., **Böhm, A.**, Fricke, K. J., Jäger, K., Nicklas, H., Bender, R., Drory, N., Gabasch, A., Saglia, R. P., Seitz, S., Heidt, J., Mehlert, D., Möllenhoff, C., Noll, S., & Sutorius, E. 2002, “The evolution of the Tully-Fisher relation of spiral galaxies”, *ApJL*, 654, 69
2. Heidt, J., Appenzeller, I., Bender, R., **Böhm, A.**, Drory, N., Fricke, K. J., Gabasch, A., Hopp, U., Jäger, K., Kümmel, M., Mehlert, D., Möllenhoff, C., Moorwood, A., Nicklas, H., Noll, S., Saglia, R. P., Seifert, W., Seitz, S., Stahl, O., Sutorius, E., Szeifert, T., Wagner, S. J., & Ziegler, B. L. 2001, “The FORS Deep Field”, *RvMA*, 14, 209
1. Groot, P. J., Galama, T. J., Vreeswijk, P. M., ... (39 other co-authors) ..., **Böhm, A.**, & Fricke, K. J. 1998, “The rapid decay of the optical emission from GRB 980326 and its possible implication”, *ApJL*, 502, 123

### *Theses*

- Böhm, A.** 2003, “The Evolution of Distant Spiral Galaxies in the FORS Deep Field”, PhD thesis, University of Göttingen, available for download at [this URL](#)
- Böhm, A.** 1999, “Analyse von Quasarumgebungen im niedrigen Rotverschiebungsbereich anhand von Direktbildern, Multiobjektspektren und Datenbanken”, diploma thesis, University of Göttingen

### *Non-refereed Publications*

41. Ziegler, B.L., & **Böhm, A.** 2015, “Kinematic Evolution of Field and Cluster Spiral Galax-

- ies”, proceedings of IAU Symp. 311 “Galaxy Masses as Constraints of Formation Models”, eds. M. Cappellari & S. Courteau, Cambridge Univ. Press, p. 146
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