

PUBLICATION LIST

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1 Refereed Publications

2007

- (59) • D.E.A.Nürnberg, R.Chini, F.Eisenhauer, **M.Kissler-Patig**, A.Modigliani, R.Siebenmorgen, M.F.Sterzik, T.Szeifert: "Formation of a massive protostar through disk accretion. II. SINFONI integral field spectroscopy of the M17 silhouette disk and discovery of the associated H₂ jet", 2007, A&A in press
- (58) • M.D.Mora, S.S.Larsen, **M.Kissler-Patig**: "Imaging of star clusters in unperturbed spiral galaxies with the Advanced Camera for Surveys. I. The low luminosity galaxy NGC 45", 2007, A&A 464, 495-505
- (57) • M.Hempel, **M.Kissler-Patig**, T.H.Puzia, M.Hilker: "The age structure of globular cluster systems in early-type galaxies and its dependence on host galaxy properties", 2007, A&A 463, 493-502

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- (56) • S.Mieske, A.Jordán, P.Côté, **M.Kissler-Patig** et al. (7 more co-authors): "The ACS Virgo Cluster Survey. XIV. Analysis of Color-Magnitude Relations in Globular Cluster Systems", 2006, ApJ 653, 193-206
- (55) • Y.Schubert, T.Richtler, B.Dirsch, M.Hilker, S.S.Larsen, **M.Kissler-Patig**, U.Mebold: "Dynamics of the NGC 4636 globular cluster system. An extremely dark matter dominated galaxy?", 2006, A&A 459, 391-406
- (54) • T.H.Puzia, **M.Kissler-Patig**, P.Goudfrooij: "Extremely α -Enriched Globular Clusters in Early-Type Galaxies: A Step toward the Dawn of Stellar Populations?", 2006, ApJ 648, 383-388
- (53) • P.Goudfrooij, D.Gilmore, **M.Kissler-Patig**, M.Maraston: "Integrated-light VRI imaging photometry of globular clusters in the Magellanic Clouds", 2006, MNRAS 369, 697-704
- (52) • N.Bastian, R.P.Saglia, P. Goudfrooij, **M.Kissler-Patig**, C.Maraston, F.Schweizer, M.Zoccali: "Dynamical Mass Estimates for Two Luminous Star Clusters in Galactic Merger Remnants", 2006, A&A 448, 881-891
- (51) • **M.Kissler-Patig**, A.Jordán, N.Bastian: "The Transition between Star Clusters and Dwarf Galaxies – On the existence of a mass-radius relation for star clusters of masses $> 10^7 M_{\odot}$: are these objects formed in mergers of stellar systems?", 2006, A&A 448, 1031-1035
- (50) • N.Bastian, E.Emsellem, **M.Kissler-Patig**, M.Maraston: "Young star cluster complexes in NGC 4038/39. Integral field spectroscopy using VIMOS", 2006, A&A 445, 471-483

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- (49) • A.Kundu, S.E.Zepf, M.Hempel, D.Morton, K.M.Ashman, T.J.Maccarone, **M.Kissler-Patig**, T.H.Puzia, E.Vesperini: "The Ages of Globular Clusters in NGC 4365 Revisited with Deep HST

Observations", 2005, ApJ 634, L41-L44

(48) • N.Bastian, M.Hempel, **M.Kissler-Patig**, N.Homeier, G.Trancho: "The star cluster population in the tidal tails of NGC 6872", 2005, A&A 435, 65-75

(47) • F.Eisenhauer et al. (21 authors incl. **M.Kissler-Patig**): "SINFONI in the Galactic Center: Young Stars and Infrared Flares in the Central Light-Month", 2005, ApJ 628, 246-259

(46) • T.H.Puzia, **M.Kissler-Patig**, D.Thomas, C.Maraston, R.P.Saglia, R.Bender, P.Goudfrooij, M.Hempel: " VLT spectroscopy of globular cluster systems. II. Spectroscopic ages, metallicities, and [α /Fe] ratios of globular clusters in early-type galaxies", 2005, A&A 439, 997-1011

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(45) • M.Hempel, **M.Kissler-Patig**: "Intermediate-age globular clusters in early-type galaxies: Better age determinations by adding U-band observations to the V, I, K datasets", 2004, A&A 428, 459-467

(44) • M.A.Beasley, D.A.Forbes, J.P.Brodie, **M.Kissler-Patig**: "Keck Spectroscopy and Imaging of Globular Clusters in the Lenticular Galaxy NGC 524", 2004, MNRAS 347, 1150-1163

(43) • **M.Kissler-Patig**, Y.Copin, P.Ferruit, A.Pécontal-Rousset, M.M.Roth: "The Euro3D data format: A common FITS data format for integral field spectrographs", 2004, AN 325, 159-162

(42) • M.Hempel, **M.Kissler-Patig**: "Extragalactic Globular Clusters in the Near Infrared – IV. Quantifying the Age Structure using Monte-Carlo Simulations", 2004, A&A 419, 863-876

(41) • C.Maraston, N.Bastian, R.P.Saglia, **M.Kissler-Patig**, F.Schweizer, P.Goudfrooij: "The dynamical mass of the young cluster W3 in NGC 7252: Heavy-Weight globular cluster or ultra compact dwarf galaxy?", 2004, A&A 416, 467-473

(40) • T.H.Puzia, **M.Kissler-Patig**, D.Thomas, C.Maraston, R.P.Saglia, R.Bender, T.Richtler, P.Goudfrooij, M.Hempel: "VLT Spectroscopy of Globular Cluster Systems, I. The Photometric and Spectroscopic Data Set", 2004, A&A 415, 123-143

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(39) • P.Goudfrooij, J.Strader, L.Brenneman, **M.Kissler-Patig**, D.Minniti, J.E.Huizinga: "HST observations of globular cluster systems along the Hubble sequence of spiral galaxies", 2003, MNRAS 343, 665-678

(38) • M.Hempel, M.Hilker, **M.Kissler-Patig**, T.H.Puzia, D.Minniti, P.Goudfrooij: "Extragalactic Globular Clusters in the Near Infrared – III. NGC 5846 and NGC 7192", 2003, A&A 405, 487-497

(37) • C.Maraston, L.Greggio, A.Renzini, S.Ortolani, R.P.Saglia, T.H.Puzia (USM-Munich), **M.Kissler-Patig**: "Integrated Spectroscopy of Bulge Globular Clusters and Fields. II. Implications for stellar population models and elliptical galaxies", 2003, A&A 400, 823-840

(36) • S.S.Larsen, J.P.Brodie, M.A.Beasley, D.A.Forbes, **M.Kissler-Patig**, H.Kuntschner, T.H.Puzia: "Evidence for An Intermediate-Age, Metal-rich Population of Globular Clusters in NGC 4365", 2003, ApJ 585, 767-774

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(35) • T.H.Puzia, R.P.Saglia, **M.Kissler-Patig**, C.Maraston, L.Greggio, A.Renzini, S.Ortolani: "Integrated Spectroscopy of Bulge Globular Clusters and Fields – I. The Data Base and Comparison of Individual Indices in Clusters and Bulge", 2002, A&A 395, 45-67

(34) • T.H.Puzia, S.E.Zepf, **M.Kissler-Patig**, M.Hilker, D.Minniti, P.Goudfrooij: "Extragalactic Globular Clusters in the Near Infrared – II. The Globular Clusters Systems of NGC 3115 and NGC 4365", 2002, A&A 391, 453-470

(33) • **M.Kissler-Patig**, J.P.Brodie, D.Minniti: "Extragalactic Globular Clusters in the Near In-

frared – I. A comparison between M87 and NGC 4478”, 2002, A&A 391, 441-452

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(30) • S.Mei, **M.Kissler-Patig**, D.R.Silva, P.J.Quinn: “K-band Surface Brightness Fluctuations in NGC 1427 and NGC 720”, 2001, A&A 376, 793-802

(29) • C.Maraston, **M.Kissler-Patig**, J.P.Brodie, P.Barmby, J.P.Huchra: “The AGB phase-transition outside the local group: K-band observations of young star clusters in NGC 7252”, 2001, A&A 370, 176-193

(28) • P.Goudfrooij, J.Mack, **M.Kissler-Patig**, G.Meylan, D.Minniti: “Kinematics, ages and metallicities of star clusters in NGC 1316: a 3-Gyr-old merger remnant”, 2001, MNRAS 322, 643-657

(27) • D.Burgarella, **M.Kissler-Patig**, V.Buat: “Globular Cluster Systems II: On the Formation of Old Globular Clusters and their Sites of Formation”, 2001, AJ 121, 2647-2656

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(26) • J.P.Brodie, S.S.Larsen, **M.Kissler-Patig**: “A new look at globular cluster colors in NGC 3311 and the case for exclusively metal-rich globular cluster systems”, 2000, ApJ 543, L19-22

(25) • T.H.Puzia, **M.Kissler-Patig**, J.P.Brodie, & L.L.Schroder: “Globular Clusters in the dE,N galaxy NGC 3115 DW1: New Insights from Spectroscopy and HST Photometry”, 2000, AJ 120, 777-790

(24) • R.J.N.Brown, D.A.Forbes, **M.Kissler-Patig**, J.P. Brodie: “Imaging of the proto-elliptical NGC 1700 and its globular cluster system”, 2000, MNRAS 317, 406-420

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(23) • T.H.Puzia, **M.Kissler-Patig**, J.P.Brodie, J.P.Huchra: “The Age Difference between the Globular Cluster Sub-populations in NGC 4472”, 1999, AJ 118, 2734-2750

(22) • K.Gebhardt, **M.Kissler-Patig**: “Globular Cluster Systems I.: V-I Color Distributions”, 1999, AJ 118, 1526-1541

(21) • **M.Kissler-Patig**, K.M.Ashman, S.E.Zepf, K.C.Freeman: “HST Imaging of Globular Clusters in the Edge-on Spiral Galaxies NGC 4565 and NGC 5907”, 1999, AJ 118, 197-207

(20) • S.Chapelon, V.Buat, D.Burgarella, **M.Kissler-Patig**: “The globular cluster system around the low-luminosity S0 galaxy NGC 7457”, 1999, A&A 346, 721-730

(19) • **M.Kissler-Patig**, C.J.Grillmair, G.Meylan, J.P.Brodie, D.Minniti, P.Goudfrooij: “Toward an Understanding of the Globular Cluster Over-abundance around the Central Giant Elliptical NGC 1399”, 1999, AJ 117, 1206-1218

(18) • M.Hilker, L.Infante, G.Vieira, **M.Kissler-Patig**, T.Richtler: “The Central Regions of the Fornax Cluster – II: Spectroscopy and radial velocities of member and background galaxies”, 1999, A&AS 134, 75-86

(17) • M.Hilker, **M.Kissler-Patig**, T.Richtler, L.Infante: “The Central Regions of the Fornax Cluster – I: A catalog and photometric properties of dwarf galaxies in selected CCD fields”, 1999, A&AS 134, 59-73

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(14) • M.Della Valle, **M.Kissler-Patig**, J.Danziger, J.Storm: "Globular Cluster Calibration of the Peak Brightness of the Type Ia Supernova 1992A", 1998, MNRAS 299, 267-276

(13) • **M.Kissler-Patig**, D.A.Forbes, D.Minniti: "Constraints on the Merger Models of Elliptical Galaxies from their Globular Cluster Systems", 1998, MNRAS 298, 1123-1132

(12) • **M.Kissler-Patig**, J.P.Brodie, L.L.Schroder, D.A.Forbes, C.J.Grillmair, J.P.Huchra: "Keck Spectroscopy of Globular Clusters around NGC 1399", 1998, AJ 115, 105-120

(11) • D.Minniti, **M.Kissler-Patig**, P.Goudfrooij, G.Meylan: "Radial Velocities of Globular Clusters in the Giant Elliptical Galaxy NGC 1399", 1998, AJ 115, 121-129

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(10) • M.Hilker, D.J.Bomans, L.Infante, **M.Kissler-Patig**: "NGC 1427A – a LMC type Galaxy in the Fornax Cluster", 1997, A&A 327, 562-568

(9) • **M.Kissler-Patig**, T.Richtler, J.Storm, M.Della Valle: "Halo and Bulge/Disk Globular Clusters in the S0 galaxy NGC 1380", 1997, A&A 327, 503-512

(8) • **M.Kissler-Patig**: "The Dichotomy of Early-type Galaxies from their Globular Cluster Systems", 1997, A&A 319, 83-91

(7) • **M.Kissler-Patig**, S.Kohle, M.Hilker, T.Richtler, L.Infante, H.Quintana: "Globular Cluster Systems of Early-type Galaxies in Fornax", 1997, A&A 319, 470-480

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(6) • M.Hilker, **M.Kissler-Patig**: "The Globular Cluster System of an "Old" Merger: NGC 5018", 1996 A&A 314, 357-367

(5) • S.Kohle, **M.Kissler-Patig**, M.Hilker, T.Richtler, L.Infante, H.Quintana: "The Distance of the Fornax Cluster based on Globular Cluster Luminosity Functions", 1996, A&A 309, L39-L42

(4) • D.Minniti, G.Meylan, **M.Kissler-Patig**: "Globular Cluster Halos around Dwarf Elliptical Galaxies", 1996, A&A 312, 49-54

(3) • **M.Kissler-Patig**, T.Richtler, M.Hilker: "The Elliptical Globular Cluster System of NGC 720", 1996, A&A 308, 704-712

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(2) • **M.Kissler**, T.Richtler, E.V.Held, E.K.Grebel, S.J.Wagner, M.Cappaccioli: "The Globular Cluster System of NGC 4636", 1994, A&A 287, 463-469

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2 Reviews, Books, Magazines

- (m4) • **M.Kissler-Patig**, M.M.Roth, J.R.Walsh editors: "Science Perspectives for 3D Spectroscopy", 2007, 'ESO Astrophysics Symposia', Springer
- (m3) • **M.Kissler-Patig** editor: "Extragalactic Globular Cluster Systems", proceedings of the ESO workshop, 2003, 'ESO Astrophysics Symposia', Springer
- (m2) • **M.Kissler-Patig**: "Extragalactic Globular Cluster Systems: A new Perspective on Galaxy Formation and Evolution", 2000, Reviews in Modern Astronomy, Vol. 13, ed. R.E.Schielicke, 13-44
- (m1) • **M.Kissler-Patig**: "Kugelsternhaufensysteme", 2000, Sterne und Weltraum 39, 234-240

3 Conference Proceedings

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- (p67) • S.Ströbele et al.: "The ESO Adaptive Optics Facility", 2006, SPIE 6272, 9
- (p66) • R.Sharples et al.(32 co-authors): "Design of the KMOS multi-object integral-field spectrograph", 2006, SPIE 6272, 9
- (p65) • M.Casali, J.-F.Pirard, **M.Kissler-Patig** et al.(16 co-authors): "HAWK-I: the new wide-field IR imager for the VLT", 2006, SPIE 6269, 29
- (p64) • R.Arsenault, et al.(25 co-authors): "The VLT Adaptive Optics Facility Project: Adaptive Optics Modules", 2006, The Messenger 123, p.11
- (p64) • R.Arsenault, et al.(25 co-authors): "The VLT Adaptive Optics Facility Project: Telescope Systems", 2006, The Messenger 123, p.6
- (p63) • Y.Schubert, T.Richtler, B.Dirsch, M.Hilker, L.Infante, S.S.Larsen, **M.Kissler-Patig**: "Dynamics of the NGC 4636 Globular Cluster System", 2006, Planetary Nebulae Beyond the Milky Way, p.316, ESO Springer

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- (p62) • J.Walsh, **M.Kissler-Patig**: "Report on the Conference on Science Perspectives for 3D Spectroscopy", 2005, The Messenger 122, p.49
- (p61) • R.Sharples et al. (23 co-authors): "Surveying the high-redshift universe with KMOS.", 2005, The Messenger 122, p.2
- (p60) • **M.Kissler-Patig**: "ESO Studentships: PhD opportunities in Garching and Santiago", 2005, The Messenger 120, p.44
- (p59) • M.Casali, J.-F.Pirard, **M.Kissler-Patig** et al.: "Wide field Infrared Imaging on the VLT with HAWK-I", 2005, The Messenger 119, 6
- (p58) • C.Maraston, N.Bastian, R.P.Saglia, **M.Kissler-Patig**, F.Schweizer, P.Godfroid: "The dynamical mass of the young cluster W3 in NGC 7252: heavy-weight globular cluster or ultra-compact dwarf galaxy?", 2005, p.169-170, Highlights of Astronomy, Vol. 13, Edited by O. Engvold. San Francisco, ASP
- (p57) • M.Hempel, T.H.Puzia, A.Kundu, S.E.Zepf, **M.Kissler-Patig**: "Globular Cluster Populations in Early-Type Galaxies", 2005, AAS 2071, 179.08
- (p56) • T.H.Puzia, **M.Kissler-Patig**, P.Godfroid: "Extremely alpha -Enriched Globular Clusters in Early-Type Galaxies", 2005, AAS 207, 91.05
- (p55) • **M.Kissler-Patig**: "Star (cluster) formation in 3D: Integral-field spectroscopy at the

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(p49) • H.Bonnet et al. (11 authors, incl. **M.Kissler-Patig**): "First light of SINFONI AO-module at VLT", 2004, SPIE 5490, 130

(p48) • P.Sartoretti et al. (7 authors, incl. **M.Kisser-Patig**): "Quality control of VLT-VIMOS data", 2004, SPIE 5493, 555

(p47) • J.-F.Pirard, **M.Kissler-Patig** et al. (17 authors): "HAWK-I: A new wide-field 1- to 2.5-mum imager for the VLT", 2004, SPIE 5492, 1763

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(p41) • F.Eisenhauer et al. (22 authors, incl. **M.Kissler-Patig**); "SINFONI - Integral field spectroscopy at 50 milli-arcsecond resolution with the ESO VLT", 2003, SPIE 4841, 1548

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- (p36) • A.J.Romanowsky, N.A.Douglas, K.Kuijken, M.Arnaboldi, **M.Kissler-Patig**, R.M.Sharples, S.E.Zepf, K.L.Rhode: “Dynamics of Stars and Globular Clusters in Galaxy Halos” 2003 in ‘Extragalactic Globular Cluster Systems’ p.310, Springer, ed.**M.Kissler-Patig**.
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- (p32) • C.Maraston, **M.Kissler-Patig**, J.P.Brodie, P.Barmby, J.P.Huchra: “ AGB Phase Transition in Globular Clusters: A Tool for Dating Starbursts”, 2002, Ap&SS 281, 137
- (p31) • **M.Kissler-Patig**: “ Summary of the Workshop on Extragalactic Globular Cluster Systems hosted by the European Southern Observatory in Garching on August 27-30, 2002”, 2002, The Messenger, 110, 42
- (p30) • **M.Kissler-Patig**: “From old Globular Clusters to early Structures in the Universe: the Formation of old, metal-poor Halos around early-type Galaxies”, 2002, Ap&SS 281, 487, Kluwer, ‘The Evolution of Galaxies – II. Basic Building Blocks’ eds.M.Sauvage, G.Stasinska, L.Vigroux, D.Schaerer, S.Madden
- (p29) • T.H.Puzia, **M.Kissler-Patig**, J.P.Brodie, P.Goudfrooij, M.Hilker, D.Minniti, S.Zepf: “Extragalactic Globular Cluster Systems in the Near-IR”, 2002, IAUS 207, 294 ‘Extragalactic Star Clusters’, eds. E.K.Grebel, D.Geisler, D.Minniti
- (p28) • **M.Kissler-Patig**: “Metal-rich and metal-poor Globular Clusters in Ellipticals: Did we learn anything? or Constraints on Galaxy Formation and Evolution from Globular Cluster Sub-populations”, 2002, IAUS 207, 207 ‘Extragalactic Star Clusters’, eds. E.K.Grebel, D.Geisler, D.Minniti

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