

# CURRICULUM VITAE ET STUDIORUM

## Personal data

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 Birth: Piove di Sacco (PD, Italy), 30 December 1976  
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## Career and education

- 01/03/2014 – today. Astronomer in the Science Data Products Group (DOO/DMO/BOD) at the European Southern Observatory, Garching b. Muenchen (Germany).
- 01/11/2013 – 28/02/2014. Post-doc at the Institute for Cosmology and Gravitation, Portsmouth (United Kingdom).
- 01/11/2010 – 31/10/2013. Research fellow at the European Southern Observatory, Garching b. Muenchen (Germany).
- 01/04/2007 – 30/09/2010. Post-doc at the Max Planck Institut für Extraterrestrische Physik, Garching b. Muenchen (Germany).
- 01/04/2005 – 30/03/2007. Post-doc at the Kapteyn Astronomical Institute, Groningen (The Netherlands).
- 18/03/2005 Ph.D. in Astronomy at the Università degli Studi di Padova, Padova (Italy).
- 19/10/2001. Master degree in Astronomy at the Università degli Studi di Padova (Italy) with 110/110 *cum laude*.

## Research interests

Kinematics and stellar populations of nearby galaxies. Properties, formation and evolution of structural components in galaxies via photometric and spectroscopic decomposition.

Stellar halos of elliptical galaxies and Intra Cluster Light. Kinematics from discrete tracers (Planetary Nebulae and Globular Clusters). Unresolved stellar populations from absorption line spectroscopy.

Characterization, formation and evolution of counter-rotating components in galaxies: from large-scale counter-rotating stellar disks to kinematically decoupled cores.

## Main duties and responsibilities at ESO

- March 2020 – today. Component scientist of the ESPRESSO pipeline.
- Oct. 2015 – today. Component scientist of the MUSE pipeline.
- Nov. 2014 – today. Component scientist of the KMOS pipeline.
- May 2014 – today. Testing and validation of EsoReflex workflows for a number of ESO instruments.
- 2010 – 2011. Design and monitoring of a new photometric night calibration plan for VLT/FORS2. The plan was implemented at Paranal on November 2011.

## Talks at international meetings (last 5 years)

Many talks at international conferences and workshops, including 2 invited reviews and 1 invited talk.

- **Contributed talk:** “Effects of extreme environments on the formation of lenticular galaxies”. International conference *GEE6: the journey of galaxies in the assembling of cosmic structure* Trieste, Italy, 28-31, October 2019.
- **Contributed talk:** “Properties of decoupled stellar structures in the inner regions of galaxies”. International conference *EWASS 2018*. Liverpool, UK, 3-6 April 2018. Special Session SS24: Resolving stars and gas in the central kiloparsec: clues to disk galaxy evolution.
- **Contributed talk:** “Where does the stripped gas go? Formation of multiple structural components in galaxies from recycled gas”. International conference *EWASS 2017*. Prague, Czech Republic, 26-30 June 2017. Session S8: Ram pressure stripping and galaxy evolution.
- **Invited review talk:** “Planetary nebulae as kinematic and dynamical tracers in galaxies”. International conference *IAUS 323: Planetary Nebulae: Multi-Wavelength Probes of Stellar and Galactic Evolution*. Beijing, China, 10-14 October 2016.
- **Invited talk:** “Planetary nebulae as kinematic and dynamical tracers of galaxy halos”. International conference *IAU 2015*. Honolulu, USA, 3-7 August 2015. Focus Meeting 4: Planetary Nebulae as Probes of Galactic Structure and Evolution.
- **Invited review talk:** “Imprints of gas accretion in multi-spin galaxies”. International conference *EWASS 2015*. Tenerife, Spain, 22-26 June 2015. Special Session 3: 3D view on interacting and post-interacting galaxies from clusters to voids.

## Teaching, tutoring, and supervision activity

- Invited tutor at workshops and schools

- May 29-31, 2019. **ESO data reduction training workshop for VLT UT1 and UT2 staff**. Tutor for the UT1/UT2 data reduction training workshop: KMOS and ESPRESSO. ESO-Santiago, Chile.
- 12-14 March, 2018. **La Silla Paranal Observatory Users Workshop**. Invited talks: “How to run the pipelines?” and “The Molecfit sky tool”. Tutor at the Reflex hands-on session.
- October 21-22, 2017. **ESO data reduction training workshop for VLT-UT4 staff**. Tutor for the UT4 data reduction training workshop: HAWK-I, MUSE, and SINFONI. ESO-Santiago, Chile.
- September 19-20, 2017. **ESO data reduction training workshop**. Organizer and tutor for the data reduction training workshop: FORS2 and KMOS. Padova University, Italy.
- April 12-13, 2016. **ESO data reduction training workshop**. Tutor for the data reduction training workshop. Helsinki University, Finland.
- May 9-13, 2016. **ESO/OPTICON NEON School**. Tutor for the ESO/OPTICON NEON School on the Use and Data Reduction of X-Shooter and KMOS. ESO-Garching, Germany.
- September 2012. **NEON Observing school** in Asiago (Italy). Lecture on Integral Field Spectroscopy: instrumentation, science cases with IFU, reduction and handling of data.

- **PhD Student supervision**

- November 2016 - October 2017. Supervision of B. Nedelchev within the ESO studentship program.

- **Teaching assistant**

- October 2003 - January 2004. Support for undergraduate class: *Astrophysics* (prof. F. Bertola, Univ. Padova, Italy); 20 hours. Topics covered: kinematics of the solar neighborhood; structure of the Milky Way; morphology, photometry and kinematics of galaxies; photometric decomposition of galaxies; distance indicators.
- January – March 2003. Support for undergraduate class *Laboratorio di Astronomia II* (prof. G. Piotto, Univ. Padova, Italy); 20 hours. Topics covered: instrumentation, observational techniques and data reduction with the Telescopio Nazionale Copernico at Asiago (VI), Italy.

- **Outreach**

- Press release INAF (2013/01/05): “Stelle in contromano”, based on Coccato et al. 2013, A&A, 549, 3.
- Article for amateur astronomical magazines: *Astrofilo* (2010, n. 22).
- Technical support for the “Garching Forschungszentrum open day 2010”.
- Article for amateur astronomical magazines: *L’Astronomia* (2006, n. 279 and n. 280).
- Jan. 2004. Lectures for high school students at the Asiago Observatory (Italy) within the project “Educative Project: the sky as a laboratory” supported by the Department of Astronomy of Padova.

## Committees

- **ESO scientific committees:**

- Summer students Selection Committee at ESO (2021).
- Student Selection Committee at ESO (June 2017 – June 2020).
- Visitor Scientific Committee at ESO (September 2011 – October 2013).

- **SOC and LOC member**

- SOC member for the conference: “Multi spin galaxies 2019”. Asiago (IT), 20-23 May 2019.
- SOC and LOC member for the workshop: “KMOS@5: star and galaxy formation in 3D.” Garching, 3–6 December 2018. Tutor and organizer of the data reduction session.
- SOC member for the workshop: “PNS: future projects and ideas.” Leiden, The Netherlands, 25 Feb. – 01 Mar. 2013.
- LOC member for the conference: “Science from the Next Generation Imaging and Spectroscopic Surveys.” Garching, 15–18 October 2012.
- SOC member for the conference: “Diving into the outer halos of elliptical galaxies: clues to galaxy formation and evolution.” Parallel session at the RAS NAM 2012, Manchester, 27–30 March 2012).
- LOC member for the conference: “Fornax, Virgo, Coma et al.: Stellar systems in high density environments.” Garching, 7 June – 1 July 2011.

- Referee for papers in astronomical journals (ApJ, A&A, MNRAS, Galaxies).

## Professional experience

- **Observational astronomy.** 40 observing runs. Optical imaging; optical long-slit and integral field spectroscopy; optical slit-less spectroscopy; drift-scan mode for long-slit spectroscopy; spectro-polarimetry of stars; optical fast response imaging (2-5 Hz) for stellar occultation and planet transit.
- **Instrumentation.** Instrument commissioning of the H $\alpha$  camera of the Planetary Nebulae Spectrograph.
- **Operating systems and software.** Windows, Linux. IDL, Python, IRAF, and MIDAS standard packages plus routines developed and optimized by myself, ESOrerex, ESOrerex, Galfit, SuperMango, molefit, SExtractor, daophot.
- **Pipelines.** Development of the Planetary Nebulae data reduction and analysis pipeline. Development of the Prototype-MANGA data analysis pipeline. Garching pipeline scientist for MUSE and KMOS pipelines. Strong experience with FORS2, HAWKI, VIMOS pipelines and workflows.
- **Astronomical tools.** Measurements of stellar and emission line kinematics. Absorption line indices, stellar populations. Photometric decomposition (galfit), spectral decomposition. Jeans mass modeling. Tilted ring models of gas disks in galaxies.

## Professional training

- **Project management fundamental training.** September 2015, ESO Garching, as part of ESO professional training for staff.
- **Project engineering.** Attendance to the course “Project engineering for young scientists”, 23-24 February 2012, CERN Geneva (CH), as part of ESO professional training for fellows.
- **Advanced Optic Course.** Attendance of an astronomical optic course at ESO (19th - 22nd November 2012).

## PUBLICATION LIST

I have published 98 papers in refereed journals, among which 18 are as first author. I am also co-author of further 57 papers in non-refereed journals. Citations: > 3200, h-index: 31; i100-index: 5.

### Refereed papers

1. Poci, A., McDermid, R. M., Lyubenova, M., Zhu, L., van de Ven, G., Iodice, E.; **Coccato, L.**, et al. 2021, A&A, in press (arXiv:210202449). *The Fornax3D project: Assembly histories of lenticular galaxies from a combined dynamical and population orbital analysis.*
2. Barbosa, C. E., Spiniello, C., Arnaboldi, M., **Coccato, L.**, Hilker, M., and Richtler, T., 2021, A&A, 645, L1. *What does (not) drive the variation of the low-mass end of the stellar initial mass function of early-type galaxies.*
3. Barbosa, C. E., Spiniello, C., Arnaboldi, M., **Coccato, L.**, Hilker, M., and Richtler, T. 2020, A&A submitted (arXiv: 201211609). *A preserved red nugget in the heart of the BCG of the Hydra I cluster revealed with MUSE 2D stellar population analysis.*
4. Spiniello, C., Tortora, C., D’Ago, G., **Coccato, L.**, La Barbera, F., et al. 2021, A&A, 646, 28. *INSPIRE: INvestigating Stellar Population In RElics – I. Survey presentation and pilot program.*
5. Müller, O., Fahrion, K., Rejkuba, M., Hilker, M., Lelli, F., Lutz, K., Pawlowski, M., S., **Coccato, L.**, et al. 2021, A&A, 645, 92. *The properties of dwarf spheroidal galaxies in the Cen A group: Stellar populations, internal dynamics, and a heart-shaped H $\alpha$  ring.*
6. Aniyani, S., Ponomareva, A. A., Freeman, K. C., Arnaboldi, M., Gerhard, O. E., **Coccato, L.**, et al. 2021, MNRAS, 500, 3579. *Resolving the Disc-Halo Degeneracy II: NGC 6946.*
7. E. J. Johnston, A. Aragón-Salamanca, A. Fraser-McKelvie, M. Merrifield, B. Häußler, **L. Coccato**, et al. 2021, MNRAS, 500, 4193. *Formation of S0s in extreme environments II: the star-formation histories of bulges, discs and lenses.*
8. Hartke, J., Arnaboldi, M., Gerhard, O., **Coccato, L.**, Pulsoni, C., et al. 2020, A&A, 642, 46. *The halo of M105 and its group environment as traced by planetary nebula populations: I. Wide-field photometric survey of planetary nebulae in the Leo I group.*
9. Bidaran, B., Pasquali, A., Lisker, T., **Coccato, L.**, et al. 2020, MNRAS, 497, 1904. *On the accretion of a new group of galaxies onto Virgo: I. Internal kinematics of nine in-falling dEs.*
10. Morelli, L., Ivanov, V., D., Pizzella, A., Gasparri, D., **Coccato, L.**, et al. 2020, A&A, 641, 44. *Infrared Telescope Facility (IRTF) spectral library II: New indices in Y, J, H, and L atmospheric windows .*

11. G. Migliori, M. Orienti, **L. Coccato**, G. Brunetti, F. D’Ammando, K. -H. Mack, M. A. Prieto, 2020, MNRAS, 495, 1593. *Particle acceleration in low-power hotspots: modelling the broad-band spectral energy distribution.*
12. K. Fahrion, M. Lyubenova, M. Hilker, G. van de Ven, J. Falcón-Barroso, **et al.**, 2020, A&A, 637, 27. *The Fornax 3D project: Non-linear colour-metallicity relation of globular clusters*
13. K. Fahrion, M. Lyubenova, M. Hilker, G. van de Ven, J. Falcón-Barroso, **et al.**, 2020, A&A, 637, 26. *The Fornax 3D project: Globular clusters tracing kinematics and metallicities.*
14. Spriggs, T., W., Sarzi, M., Napiwotzki, R., Galan-de Anta, P., M., Viaene, S., Nedelchev, B., **Coccato, L.**, et al. 2020, A&A, 637, 62. *Fornax 3D project: automated detection of planetary nebulae in the centres of early-type galaxies and first results.*
15. Selman, F., J., Bian, F.; Blanchard, I., Brillant, S., **Coccato, L.**, et al., AN, 2020, 341, 26. *Serendipitous discovery of a brightening quasar at redshift  $z = 3.68$ .*
16. **Coccato, L.**, Jaffé, Y. L., Cortesi, A., Merrifield, M., Johnston, E. et al. 2020, MNRAS, 492, 2955 *Formation of S0s in extreme environments I: clues from kinematics and stellar populations.*
17. Ivanov, V., **Coccato, L.**, Neeser, M. J., et al., 2019, A&A, 629, 100. *MUSE library of stellar spectra.*
18. Cuomo, V., Corsini, E. M., Aguerri, J. A. L., Debattista, V. P., **Coccato, L.**, et al. 2019, MNRAS, 488, 4972. *Evidence of a fast bar in the weakly-interacting galaxy NGC 4264 with MUSE.*
19. Fahrion, K., Lyubenova, M., van de Ven, G., Leaman, R., Hilker, M., Martí-Navarro, I., Zhu, L., Alfaro-Cuello, M., **Coccato, L.**, et al., 2019, A&A, 628, 92. *Constraining nuclear star cluster formation using MUSE-AO observations of the early-type galaxy FCC47.*
20. Sluse, D., Rusu, C. E., Fassnacht, C. D., Sonnenfeld, A., Richard, J., Auger, M. W., **Coccato, L.** et al. 2019, MNRAS, 490, 613. *H0LiCOW XI: Spectroscopic/imaging survey and galaxy-group identification around the strong gravitational lens system WFI2033-4723.*
21. Pinna, F., Falcón-Barroso, J., Martig, M., **Coccato, L.**, et al. 2019, A&A, 625A, 95. *The Fornax 3D project: Thick disks in a cluster environment .*
22. Martín-Navarro, I., Lyubenova, M., van de Ven, G., Falcon-Barroso, J., **Coccato, L.**, et al. 2019, A&A, 627, 136. *The Fornax 3D project: a two-dimensional view of the stellar initial mass function in the massive lenticular galaxy FCC 167.*
23. Pinna, F., Falcón-Barroso, J., Martig, M., Sarzi, M., **Coccato, L.**, et al. 2019, A&A, 623, 87. *The Fornax 3D project: unveiling the thick disk origin in FCC 170; possible signs of accretion.*

24. Westfall, K., Cappellari, M., Bershad, M., **and other 29 authors**, 2019, AJ, 158, 231. *The Data Analysis Pipeline for the SDSS-IV MaNGA IFU Galaxy Survey: Overview.*
25. Viaene, S., Sarzi, M., Zabel, N., **Coccato, L.**, et al. 2019, A&A, 622, 89. *The Fornax 3D project: dust mix and gas properties in the center of early-type galaxy FCC 167.*
26. Francois, P., Morelli, L., Pizzella, A., Ivanov, V., D., **Coccato, L.**, et al. 2018, A&A, 621, 60. *Near Infrared spectroscopic indices for unresolved stellar populations I. Template galaxy spectra.*
27. Nedelchev, B., **Coccato, L.**, Corsini, E., M., Sarzi, M., de Zeeuw, T., et al. 2018, A&A, 623, 87. *The properties of the kinematically distinct components in NGC 448 and NGC 4365.*
28. Hilker, M., Richtler, T., Barbosa, C. E., Arnaboldi, M., **Coccato, L.**, & Mendes de Oliveira, C. 2018, A&A, 619, 70. *The Hydra I cluster core - II. Kinematic complexity in a rising velocity dispersion profile around the cD galaxy NGC 3311.*
29. Johnston, E. J., Hau, G. K. T., **Coccato, L.**, & Herrera, C. 2018, MNRAS, 480, 3215. *Mapping the Kinematically Decoupled Core in NGC 1407 with MUSE.*
30. Pulsoni, C., Gerhard, O., Arnaboldi, M., **Coccato, L.**, Longobardi, A., et al. 2018, A&A, 618, 94. *The extended Planetary Nebula Spectrograph (ePN.S) early-type galaxy survey. The kinematic diversity of stellar halos and the relation between halo transition scale and stellar mass.*
31. Zanatta, E. J. B., Cortesi, A., Chies-Santos, A., Forbes, D. A., Romanowsky, A. J., Alabi, A. B., **Coccato, L.**, et al. 2018, MNRAS, 479, 5124. *Chromodynamical Analysis of Lenticular Galaxies using Globular Clusters and Planetary Nebulae.*
32. Hartke, J., Arnaboldi, M., Gerhard, O., Agnello, A., Longobardi, A., **Coccato, L.**, et al. 2018, A&A, 616, 123. *Three dynamically distinct stellar populations in the halo of M49.*
33. Sarzi, M., Iodice, E., **Coccato, L.**, Corsini, E. M., de Zeeuw, T., et al. 2018, A&A, 616, 121. *The Fornax3D project: overall goals, galaxy sample, MUSE data analysis, and initial results.*
34. Pizzella, A., Morelli, L., **Coccato, L.**, Corsini, E. M., Dalla Bontá, E., Fabricius, M., and Saglia, R. P., 2018, A&A, 616, 22. *Evidence for the formation of the young counter-rotating stellar disk from gas acquired by IC 719.*
35. **Coccato, L.**, Fabricius, M., Saglia, R. P., Bender, R., et al. 2018, MNRAS, 477, 1958. *Spectroscopic decomposition of NGC 3521: unveiling the properties of the bulge and disc.*
36. Spiniello, C., Napolitano, N. R., Arnaboldi, M., Tortora, C., **Coccato, L.**, et al. 2018 MNRAS, 477, 1880. *The Fornax Cluster VLT Spectroscopic Survey II - Planetary Nebulae kinematics within 200 kpc of the cluster core.*



37. Bellazzini, M., Armillotta, L., Perina, S., Magrini, L., Cresci, G., Beccari, G., Battaglia, G., Fraternali, F., de Zeeuw, P. T., Martin, N. F.; Calura, F., Ibata, R., **Coccato, L.**, et al, MNRAS, 476, 4565. *Alone on a wide wide sea. The origin of SECCO 1, an isolated star-forming gas cloud in the Virgo cluster.*
38. Aniyani, S., Freeman, K. C., Arnaboldi, M., Gerhard, O., **Coccato, L.**, et al. 2018, MNRAS, 476, 1909. *Resolving the Disc-Halo Degeneracy I: A Look at NGC 628.*
39. Martinsson, T. P. K., Sarzi, M., Knapen, J. H., **Coccato, L.**; Falcón-Barroso, J., Elmegreen, B. G., & de Zeeuw, T. 2018, A&A, 612, 66. *MUSE observations of the counter-rotating nuclear ring in NGC 7742.*
40. Barbosa, E. C., Arnaboldi, M., **Coccato, L.**, Gerhard, O., Mendes de Oliveira C., Hilker, M., & Richtler, T. 2018, A&A, 609, 78. *Sloshing in its cD halo: MUSE kinematics of the central galaxy NGC 3311.*
41. Beccari, G., Bellazzini, M., Magrini, L., **Coccato, L.**, Cresci, G., et al. 2017, MNRAS, 465, 2189. *A very dark stellar system lost in Virgo: kinematics and metallicity of SECCO 1 with MUSE.*
42. Morelli, L., Pizzella, A., **Coccato, L.**, Corsini, E. M., Dalla Bontà, et al. 2017, A&A, 600, 76. *Kinematic and stellar population properties of the counter-rotating components in the S0 galaxy NGC 1366.*
43. Magrini, L., **Coccato, L.**, Stanghellini, L., Casasola, V., & Galli, D. 2016, A&A, 588, 91. *Metallicity gradients in local Universe galaxies: Time evolution and effects of radial migration.*
44. Marc Sarzi, M., Ledo, H., R., **Coccato, L.**, Corsini, E., M., Dotti, M., Khochfar, S., Maraston, C., Morelli, L., & Pizzella, A. 2016, MNRAS, 457, 1804. *Nuclear discs as clocks for the assembly history of early-type galaxies: the case of NGC4458.*
45. Cortesi, A., Chies-Santos, A. L., Pota, V., Foster, C., **Coccato, L.**, et al. 2016, MNRAS, 456, 2611. *The SLUGGS survey: chromo-dynamical modelling of the lenticular galaxy NGC 1023.*
46. Gonzalez, O. A., Gadotti, D. A., Debattista, V. P., Rejkuba, M., Valenti, E., Zoccali, M., **Coccato, L.** et al. 2016, A&A, 591, 7. *Comparing the properties of the X-shaped bulges of NGC 4710 and the Milky Way with MUSE.*
47. Barbosa, C., E., Arnaboldi, M., **Coccato, L.**, Hilker, M., Mendes de Oliveira, C., Richtler, T. 2016, A&A, 589, 139. *The Hydra I cluster core. I. Stellar populations in the cD galaxy NGC 3311.*
48. Iodice, E. **Coccato, L.**, Combes, F., de Zeeuw, T., Arnaboldi, M., Weilbacher, P. M., Bacon, R., Kintschner, H., & Spavone, M. 2015, A&A, 583, 48. *Mapping the inner regions of the polar disk galaxy NGC4650A with MUSE .*
49. **Coccato, L.**, Fabricius, M., Morelli, L., Corsini, E. M., Pizzella, A., Erwin, P., Dalla Bontà, E., Saglia, R., Bender, R. & Williams, M. 2015, A&A, 581, 65. *Properties and formation mechanism of the stellar counter-rotating components in NGC 4191.*

50. Morelli, L., Corsini, E. M., Pizzella, A., Dalla Bontà, E., **Coccato, L.**, Méndez-Abreu, J. 2015, MNRAS, 452, 1128. *Study of the stellar population properties in the discs of ten spiral galaxies.*
51. Spiniello, C., Napolitano, N. R., **Coccato, L.**, Pota, V., Romanowsky, A. J., Tortora, C., Covone, G., CApaccioli, M., 2015, MNRAS, 452, 99. *VIMOS mosaic integral-field spectroscopy of the bulge and disk of the early-type galaxy NGC 4697.*
52. Wilkinson, D. M., Maraston, C., Thomas, D., **Coccato, L.**, Tojeiro, R., et al. 2015, MNRAS, 449, 867. *P-MaNGA: Full spectral fitting and stellar population maps from prototype observations.*
53. Morelli, L., Pizzella, A., Corsini, E. M., Dalla Bontà, E., Coccato, L., Méndez-Abreu, J. & Parmiggiani, M. 2015, AN, 336, 208. *Stellar populations of the bulges of four spiral galaxies.*
54. Bundy, K., Bershadsky, M., Law, D., Yan, R., Drory, N., et al., 2015, ApJ, 798, 7. *Overview of the SDSS-IV MaNGA Survey: Mapping nearby Galaxies at Apache Point Observatory.*
55. Belfiore, F., Maiolino, R., Bundy, K., Thomas, D., Maraston, C., Wilkinson, D., Sánchez, S. F., Bershadsky, M., Blanc, G. A., Bothwell, M., Cales, S. L., **Coccato, L.**, Drory, N., et al. 2014, MNRAS 449, 867. *P-MaNGA Galaxies: Emission Lines Properties - Gas Ionisation and Chemical Abundances from Prototype Observations.*
56. Vulcani, B., Bundy, K., Lackner, C., Leauthaud, A., Treu, T., Mei, S., **Coccato, L.**, Kneib, J. P., Auger, M., & Nipoti, C. 2014, ApJ, 797, 62. *Understanding the unique assembly history of Central Group Galaxies.*
57. Pizzella, A., Morelli, L., Corsini, E.M., Dalla Bontà, E., **Coccato, L.**, & Sanjia, G. 2014, A&A, 570, 79. *The difference in age of the two counter-rotating stellar disks of the spiral galaxy NGC 4138.*
58. **Coccato, L.**, Iodice, E., & Arnaboldi, M. 2014, A&A, 569, 83. *Spectral decomposition of the stellar kinematics in the polar disk galaxy NGC 4650A.*
59. Fabricius, M., **Coccato, L.**, Bender, R., Drory, N., Gössl, C., Landriau, M., Saglia, R. P., Thomas, J., & Williams, M. J. 2014, MNRAS, 441, 2212. *Re-growth of stellar disks in mature galaxies: The two component nature of NGC7217 revisited with VIRUS-W.*
60. **Coccato, L.**, Bramich, D. M., Freudling, W., & Moehler, S., 2014, MNRAS, 438, 1256. *Removal of systematics in photometric measurements: static and rotating illumination corrections in FORS2@VLT data.*
61. **Coccato, L.**, Arnaboldi, M., & Gerhard, O. 2013b, MNRAS, 436, 1322. *Signatures of accretion events in the halos of early-type galaxies from comparing PNe and GCs kinematics.*
62. Longobardi, A., Arnaboldi, M., Gerhard, O., **Coccato, L.**, Okamura, S., & Freeman, K. C. 2013, A&A, 558, 42. *The Planetary Nebula population in the halo of M87.*

63. Cortesi, A., Merrifield, M. R., **Coccato, L.**, Arnaboldi, M., Gerhard, O., Bamford, S., Napolitano, N. R., Romanowsky, A. J., Douglas, N. G., Kuijken, K., Capaccioli, M., Freeman, K. C., Saha, K., & Chies-Santos, A. L. 2013, MNRAS, 432, 1010. *Planetary Nebula Spectrograph survey of S0 galaxy kinematics. II. Clues to the origins of S0 galaxies.*
64. Morganti, L., Gerhard, O., **Coccato, L.**, Martinez-Valpuesta, I., & Arnaboldi, M. 2013, MNRAS, 431, 3570. *Elliptical galaxies with rapidly decreasing velocity dispersion profiles: NMAGIC models and dark halo parameter estimates for NGC 4494.*
65. **Coccato, L.**, Morelli, L., Pizzella, A., Corsini, E. M., Buson, L. M., & Dalla Bontà, E. 2013a, 549, 3. *Spectroscopic evidence of distinct stellar populations in the counter-rotating stellar disks of NGC 3593 and NGC 4550.*
66. Cortesi, A., Arnaboldi, M., **Coccato, L.**, Merrifield, M. R., Gerhard, O., Bamford, S., Romanowsky, A. J., Napolitano, N. R., Douglas, N. G., Kuijken, K., Capaccioli, M., Freeman, K. C., Chies-Santos, A. L., & Pota, V. 2013, A&A, 549, 115. *Planetary Nebula Spectrograph survey of S0 galaxy kinematics: Data and Overview.*
67. Forbes, D., A., Cortesi, A., Pota, V., Foster, C., Romanowsky, A. J., Merrifield, M. R., Brodie, J. P., Strader, J., **Coccato, L.**, & Napolitano, N. 2012, MNRAS, 426, 975. *Radially Extended Kinematics in the S0 Galaxy NGC 2768 from Planetary Nebulae, Globular Clusters and Starlight.*
68. Arnaboldi, M., Ventimiglia, G., Iodice, E., Gerhard, O., & **Coccato, L.** 2012, A&A, 545, 37. *A tale of two tails and an off-centered envelope: diffuse light around the cD galaxy NGC 3311 in the Hydra I cluster.*
69. Morelli, L., Corsini, E. M., Pizzella, A., Dalla Bontà, E., **Coccato, L.**, Méndez-Abreu, J., & Cesetti, M. 2012, MNRAS, 423, 962. *Structure and dynamics of galaxies with a low surface-brightness disc - II. Stellar populations of bulges.*
70. George, M. R., Leauthaud, A., Bundy, K., Finoguenov, A., Tinker, J., Lin Y.-T., Mei, S., Kneib, J.-P., Aussel, H., Behroozi, P. S., Busha, M. T., Capak, P., **Coccato, L.**, Covone, G., Faure, C., Fiorenza, S. L., Ilbert, O., Le Floch, E., Koekemoer, A. M., Tanaka, M., Wechsler, R. H., & Wolk, M. 2011, ApJ, 742, 125. *Galaxies in X-ray Groups I: Robust Membership Assignment and the Impact of Group Environments on Quenching.*
71. **Coccato, L.**, Gerhard, O., Arnaboldi, M., & Ventimiglia, G. 2011a, A&A, 533, 138. *Stellar population and the origin of intra-cluster stars around brightest cluster galaxies: the case of NGC 3311.*
72. Cortesi, A., Merrifield, M. R., Arnaboldi, M., Gerhard, O., Martinez-Valpuesta, I., Saha, K., **Coccato, L.**, Bamford S., Napolitano, N. R., Das, P., Douglas, N. G., Romanowsky, A. J., Kuijken, K., Capaccioli, M., & Freeman K. C. 2011, MNRAS, 414, 642. *Unravelling the origins of S0 galaxies using maximum likelihood analysis of planetary nebulae kinematics.*

73. **Coccato, L.**, Morelli, L., Corsini, E. M., Buson, L. M., Pizzella, A., Vergani, D., & Bertola, F. 2011b, MNRAS, 412, L113. *Dating the formation of the counter-rotating stellar disc in the spiral galaxy NGC 5719 by disentangling its stellar populations.*
74. Napolitano, N. R., Romanowsky, A. J., Capaccioli, M., Douglas, N., Arnaboldi, M., **Coccato L.**, Gerhard, O., Kuijken, K., Merrifield, M. R., Bamford, S. P., Cortesi, A., Das, P., & Freeman K. C. 2011, MNRAS, 411, 2035. *The P.N.S Elliptical Galaxy Survey: a standard LCDM halo around NGC 4374?*
75. Ventimiglia, G., Gerhard, O., & Arnaboldi, M., & **Coccato, L.** 2010, A&A, 520, L9 *The dynamically hot stellar halo around NGC 3311: a small cluster-dominated central galaxy.*
76. McNeil, E. K., Arnaboldi, M., Freeman, K. C., Gerhard, O. E., **Coccato, L.**, & Das, P. 2010, A&A, 518, 44. *Counter-dispersed slitless-spectroscopy technique: planetary nebula velocities in the halo of NGC 1399.*
77. **Coccato, L.**, Gerhard, O., & Arnaboldi, M., 2010b, MNRAS, 407, L26. *Distinct core and halo stellar populations and the formation history of the bright Coma cluster early-type galaxy NGC 4889.*
78. **Coccato, L.**, Arnaboldi, M., Gerhard, O., Freeman, K., Ventimiglia, G., & Yasudam N. 2010a, A&A, 519, 95. *Kinematics and line strength indices in the halos of the COMA Brightest Cluster Galaxies NGC 4874 and NGC 4889.*
79. De Lorenzi, F., Gerhard, O., **Coccato, L.**, Arnaboldi, M., Capaccioli, M., Douglas, N.G., Freeman, K. C., Kuijken, K., Merrifield, M. R., Napolitano, N. R., Noordermeer, E., Romanowsky, A. J., & Debattista, V. P. 2009, MNRAS, 395, 76. *Dearth of dark matter or massive dark halo? Mass-shape-anisotropy degeneracies revealed by NMAGIC dynamical models of the elliptical galaxy NGC 3379.*
80. **Coccato, L.**, Gerhard, O., Arnaboldi, M., Das, P., Douglas, N. G., Kuijken, K., Merrifield, M. R., Napolitano, N. R., Noordermeer, E., Romanowsky, A. J. Capaccioli, M., Cortesi, A., De Lorenzi, F., & Freeman, K. C. 2009, MNRAS, 394, 1249. *Kinematic properties of early type galaxy halos using planetary nebulae.*
81. Beifiori, A., Corsini, E. M., Dalla Bontà, E., Pizzella, A., **Coccato, L.**, Sarzi, M. & Bertola, F. 2009, ApJ, 692, 856 *Upper limits on the mass of 105 supermassive black holes from HST/STIS archival data.*
82. Napolitano, N. R., Romanowsky, A. J., **Coccato, L.**, Capaccioli, M., Douglas, N., Noordermeer, E., Gerhard, O., Arnaboldi, M., De Lorenzi, F., Kuijken, K., Merrifield, M., O’Sullivan, E., Cortesi, A., Das, P., & Freeman, K. C. 2009, MNRAS, 393, 329. *The P.N.S Elliptical Galaxy Survey: the dark matter in NGC 4494.*
83. Dalla Bontà, E., Ferrarese, L., Corsini, E. M., Miralda-Escudè, J., **Coccato, L.**, Sarzi, M., Pizzella, A., & Beifiori, A. 2009, ApJ, 690, 537. *The High-Mass End of the Black Hole Mass Function: Mass Estimates in Brightest Cluster Galaxies.*
84. Morelli, L., Pompei, E., Pizzella, A., Méndez-Abreu, J., Corsini, E. M., **Coccato, L.**, Saglia, R. P., Sarzi, M., & Bertola F. 2008, MNRAS, 389, 341. *Stellar Populations of Bulges in 14 Cluster Disc Galaxies.*

85. Pizzella, A., Corsini, E. M., Sarzi, M., Magorrian, J., Mendez-Abreu, J., **Coccato, L.**, Morelli, L., Bertola, F., 2008, MNRAS, 387, 1099. *Structure and dynamics of galaxies with a low surface brightness disc. I. The stellar and ionized-gas kinematics.*
86. **Coccato, L.**, Gerhard, O., Arnaboldi, M., Das, P., Douglas, N. G., Kuijken, K., Merrifield, M. R., Napolitano, N. R., Noordermeer, E., Romanowsky, A.J. Capaccioli, M., Cortesi, A., De Lorenzi, F., & Freeman, K. C. 2008b, AN, 329, 912. (refereed conference proceeding) *Probing the kinematics of early-type galaxy halos using planetary nebulae.*
87. **Coccato, L.**, Swaters, R., Rubin, V. C., D’Odorico, S., & McGaugh, S. 2008a, A&A, 490, 589. *VIMOS-VLT Integral Field Kinematics of the Giant Low Surface Brightness Galaxy ESO 323-G064.*
88. Das, P., Gerhard, O., **Coccato, L.**, Churazov, E., Finoguenov, A., Bohringer, H., Arnaboldi, M., Capaccioli, M., Cortesi, A., de Lorenzi, F., Douglas, N.G., Freeman, K.C., Kuijken, K., Merrifield, M.R., Napolitano, N.R., Noordermeer, E., & Romanowsky, A.J. 2008, AN, 329, 940 (refereed conference proceeding). *The Orbital Structure of the massive elliptical galaxy NGC 5846.*
89. Noordermeer, E., Merrifield, M. R., **Coccato, L.**, Arnaboldi, M., Capaccioli, M., Douglas, N.G., Freeman, K. C., Gerhard, O., Kuijken, K., De Lorenzi, F., Napolitano, N.R., & Romanowsky, A. R. 2008, MNRAS, 384, 943. *Testing the nature of S0 galaxies using planetary nebula kinematics in NGC 1023.*
90. Morelli, L., Pompei, E., Pizzella, A., Méndez-Abreu, J., Corsini, E. M., **Coccato, L.**, Saglia, R. P., Sarzi, M., & Bertola, F. 2007, NCimB, 122, 1281. *Stellar population in bulge of spiral galaxies.*
91. **Coccato, L.**, Corsini, E. M., Pizzella, & Bertola, F. 2007, A&A, 465, 777. *The search for inner polar disks with integral field spectroscopy: the case of NGC 2855 and NGC 7049.*
92. Douglas, N. G., Napolitano, N. R., Romanowsky, A. J., **Coccato, L.**, Kuijken, K., Merrifield, M. R., Arnaboldi, M., Gerhard, O., Freeman, K. C., Merrett, H. R., Noordermeer, E., & Capaccioli, M. 2007, ApJ, 664, 257. *The PN.S Elliptical Galaxy Survey: Data Reduction, Planetary Nebula Catalog, and Basic Dynamics for NGC 3379.*
93. Merrett, H. R., Merrifield, M. R., Douglas, N. G., Kuijken, K., Romanowsky, A. J., Napolitano, N. R., Arnaboldi, M., Capaccioli, M., Freeman, K. C., Gerhard, O., **Coccato, L.**, Carter, D., Evans, N. W., Wilkinson, M. I., Halliday, C., & Bridges, T. J. 2006, MNRAS, 369, 120. *A deep kinematic survey of planetary nebulae in the Andromeda Galaxy using the Planetary Nebula Spectrograph.*
94. **Coccato, L.**, Sarzi, M., Corsini, E. M., Pizzella, A., Dalla Bontà E., & Bertola, F. 2006, MNRAS, 366, 1050. *NGC 4435: a bulge dominated galaxy with an unforeseen low mass central black hole.*
95. Pizzella, A., Corsini, E. M., Dalla Bontà, E., Sarzi M., **Coccato, L.**, & Bertola, F. 2005, ApJ, 631, 785. *On the relation between circular velocity and central velocity dispersion in high and low surface brightness galaxies.*

96. **Coccato, L.**, Corsini, E. M., Pizzella, A., & Bertola, F. 2005, A&A 440, 107. *Spiral galaxies with a central plateau in the gas velocity curve along the major axis.*
97. **Coccato, L.**, Corsini, E. M., Pizzella, A., Morelli, L., Funes, J. C., & Bertola, F. 2004, A&A, 416, 507. *Minor-axis velocity gradients in disk galaxies.*
98. Corsini, E. M., Pizzella, A., **Coccato, L.**, & Bertola, F. 2003, A&A, 408, 873. *Minor-axis velocity gradients in spirals and the case of inner polar disks.*

## Non-refereed papers

### Circulars

1. Levan, A. J., Tanvir, N.R, Wiersema, K., & **Coccato, L.** 2011, GCN 11534, *GRB 110106B: WHT candidate afterglow.*
2. Della Valle, M., Pizzella, A., **Coccato, L.**, Yegorova, I., & Giro, E. 2005, IAUC, 8462, 1, *Nova in M31.*

### Not refereed journals, magazines.

3. Ivanov, V., **Coccato, L.**, Neeser, M., et al., 2019, Msngr, 178, 71. *MUSE spectral library.*
4. **Coccato, L.**, Freudling, W., Smette, A., Sani, E., et al., 2019, Msngr, 177, 14. *On the Telluric Correction of KMOS Spectra.*
5. Sani, E., Hilker, M., **Coccato, L.**, Ramsay, S., et al. 2019, Msngr, 177, 56. *Report on the ESO Workshop "KMOS@5: Star and Galaxy Formation in 3D Challenges in KMOS 5th Year".*
6. Neeser, M., Lewis, J., Madsen, G., Yoldas, A., Irwin, M., Gabasch, A., **Coccato, L.**, et al. 2016, Msngr, 166, 36. *Science-Grade Imaging Data for HAWK-I, VIMOS, and VIRCAM: The ESO-UK Pipeline Collaboration.*
7. **Coccato, L.**, Morelli, L., Pizzella, A., Corsini, E. M., Buson, L. M., & Dalla Bontà, E. 2013, Msngr, 151, 33. *Disentangling the kinematics and stellar populations of counter-rotating stellar discs in galaxies.*
8. Bramich, D., Moehler, S., **Coccato, L.**, Freudling, W., Garcia-Dabó, E. C., Møller, P., & Saviane, I., 2012, Msngr, 149, 12. *On the Photometric Calibration of FORS2 and the Sloan Digital Sky Survey.*
9. Morelli, L. Corsini, E. M., Pizzella, A., Dalla Bontà, E., **Coccato, L.**, Mendez-Abreu, J., Cesetti, M. 2012, Msngr, 149, 28. *Stellar Populations of Bulges in Galaxies with Low Surface-brightness Discs.*
10. **Coccato, L.** 2010, Astrofilo, 22. *Tutti ricercatori con Galaxy zoo.*
11. Morelli, L., Pompei, E., Pizzella, A., Méndez-Abreu, J., Corsini, E. M., **Coccato, L.**, et al. 2008, Msngr, 133, 31. *Stellar Populations of Bulges of Disc Galaxies in Clusters.*

12. **Coccato, L.** & Napolitano, N. R., 2006. *Cinematica di Galassie e nebulose planetarie*, L’Astronomia, vv 279, 280.

### Conference proceedings

13. **Coccato, L.** *Planetary nebulae as kinematic tracers of galaxy stellar halos* in IAU Symp. 312, "Planetary Nebulae: Multi-Wavelength Probes of Stellar and Galactic Evolution", Xiaowei Liu, Letizia Stanghellini, and Amanda Karakas Eds. (Cambridge: Cambridge Univ. Press) (arXiv:1611.10193 ). **Invited review.**
14. Hanuschik, R. & **Coccato, L.** 2016, SPIE, 9910, 2Z. *PHOENIX: the production line for science data products at ESO.*
15. Ballester, P., Gabasch, A., Jung, Y., Modigliani, A., Taylor, J., **Coccato, L.**, et al. 2016, Freudling, W.; Neeser, M.; Marchetti, E. 2015 in *Astronomical Data Analysis Software and Systems XXIV (ADASS XXIV)*, A. R. Taylor and E. Rosolowsky Eds (San Francisco: Astronomical Society of the Pacific), 383.
16. **Coccato, L.**, Morelli, L., Pizzella, A., Corsini, E. M., Dalla Bontà, E., Fabricius, M., 2015, *Counter-rotating disks in galaxies: dissecting kinematics and stellar populations with 3D spectroscopy*, in IAU Symp. 309, "Galaxy in 3D across the Universe", B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, Eds. (Cambridge: Cambridge Univ. Press), 309, 133 (arXiv:1410.1888).
17. Hilker, M., Barbosa, C. E., Richtler, T., **Coccato, L.**, Arnaboldi, M., & Mendez de Oliveira, C., 2015 *A 3D view of the Hydra I galaxy cluster core - I. Kinematic substructures*, in IAU Symp. 309, "Galaxy in 3D across the Universe", B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, Eds. (Cambridge: Cambridge Univ. Press), 309, 221 (arXiv: 1410.0695).
18. Barbosa, C. E., Arnaboldi, M., Hilker, M., **Coccato, L.**, Richtler, T., & Mendez de Oliveira, C., 2015 *A 3D view of the Hydra I cluster core - II. Stellar populations*. In IAU Symp. 309, "Galaxy in 3D across the Universe", B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, Eds. (Cambridge: Cambridge Univ. Press), 309, 223 (arXiv: 1410.0696).
19. Morelli, L., **Coccato, L.**, Corsini, E. M., Dalla Bontà, E., Bertola, F., Vergani, D., & Buson, L. 2015 *Disentangling the stellar populations of the counter-rotating stellar disc in NGC 5719*. In IAU Symp. 309, "Galaxy in 3D across the Universe", B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, Eds. (Cambridge: Cambridge Univ. Press), 309, 331.
20. Fabricius, M. H., **Coccato, L.**, Bender, R., Drory, N., Goessl, C., Landriau, M., Saglia, R. P., Thomas, J., Williams, M. J. 2015 *Regrowth of stellar disks in mature galaxies: The two component nature of NGC 7217 revisited with VIRUS-W*. In IAU Symp. 309, "Galaxy in 3D across the Universe", B. L. Ziegler, F. Combes, H. Dannerbauer, M. Verdugo, Eds. (Cambridge: Cambridge Univ. Press), 309, 81.

21. **Coccato, L.**, Morelli, L., Pizzella, A., Corsini, E. M., Buson, L. M., & Dalla Bontà, E. 2014. *Dissecting Kinematics and Stellar Populations of Counter-Rotating Galaxies with 2-Dimensional Spectroscopy*. In ASP Conf. Ser. 486, Multi-Spin Galaxies, ed. E. Iodice & E. M. Corsini (San Francisco: ASP), arXiv:1402.5346.
22. Fabricius, M. H., **Coccato, L.**, Bender, R., Drory, N., Saglia, R. P., Williams, M., & Landriau, M. 2014. *Dissecting the Multi-Component Nature of NGC 7217 with VIRUS-W: Two Co-Rotating Stellar Components*. In ASP Conf. Ser. 486, Multi-Spin Galaxies, ed. E. Iodice & E. M. Corsini (San Francisco: ASP), 157.
23. **Coccato, L.**, Arnaboldi, M., & Gerhard, O. 2014. *Multi-Spin Components in the Halos of Early-Type Galaxies Revealed by Planetary Nebulae and Globular Clusters* In ASP Conf. Ser. 486, Multi-Spin Galaxies, ed. E. Iodice & E. M. Corsini (San Francisco: ASP), 179.
24. **Coccato, L.**, Iodice, E., & Arnaboldi, M. 2014. *Spectral Decomposition of the Stellar Kinematics in the polar disk galaxy NGC 4650A*. In ASP Conf. Ser. 486, Multi-Spin Galaxies, ed. E. Iodice & E. M. Corsini (San Francisco: ASP), 181.
25. Dalla Bontà, E., Ferrarese, L., Corsini, E. M., Miralda-Escudé, J., **Coccato, L.**, & Pizzella, A. 2010. *Mass Estimations of Supermassive Black Holes in Brightest Cluster Galaxies* in: The Impact of HST on European Astronomy, Astrophysics and Space Science Proceedings, pringer Science+Business Media, p255
26. Morelli, L., Pompei, E., Pizzella, A., **Coccato, L.**, Corsini, E.M., et al. 2010 *Stellar populations of disc galaxies: from the center of the bulge to the edge of the disc* IAU Symp. 262, 398.
27. Corsini, E. M., Beifiori, A., Sarzi, M., Dalla Bont, E., Pizzella, A., **Coccato, L.**, & Bertola, F. 2010. *Limits on the Masses of Supermassive Black Holes in 105 Nearby Galaxies*, IAU Symp. 267. 200
28. Cortesi, A.; Merrifield, M. R.; Noordermeer, E.; **Coccato, L.** Bamford, S. et al. 2010. *Revealing S0 Galaxies' Formation Histories Using the Stellar Kinematics of the Faint Outer Disks* in: Hunting for the dark: the hidden side of galaxy formation, AIP Conf. Proc., vol 1240, pp 289-290
29. **Coccato, L.**, Swaters, R., V. C. Rubin, V. C., D'Odorico, S., & McGaugh, S. 2008. *VLT/VIMOS Integral field kinematics of the Giant Low Surface Brightness galaxy ESO 323-G064* In: Formation and evolution of galaxy disks, eds. E. M. Corsini & Jose G. Funes, S.J., (San Francisco ASP conference series), 396, 481 (astro-ph/0711.4466).
30. Pizzella, A., Corsini, E. M., Morelli, L., Bertola, F., Magorrian, J., Sarzi, M., Méndez-Abreu, J., & **Coccato, L.** 2008. *Cold Dark Matter Cusps in Low Surface Brightness Galaxies by Means of Stellar Kinematics*, In: Formation and evolution of galaxy disks, eds. E. M. Corsini & Jose G. Funes, S.J., (San Francisco ASP conference series), 396, 449.
31. Morelli, L., Pompei, E., Pizzella, A., Méndez-Abreu, J., Corsini, E. M., **Coccato, L.**, Saglia, R. P., Sarzi, M., & Bertola, F. 2008. *The pseudobulge of NGC 1292* in:



- Formation and Evolution of Galaxy Disks, eds. E. M. Corsini & Jose G. Funes, S.J., (San Francisco ASP conference series), 396, 371 (astro-ph/0802.0610).
32. Dalla Bontà, E., Ferrarese, L., Corsini, E. M., Miralda-Escudé, J., Coccato, L., Sarzi, M., & Pizzella, A. 2008. *Black Hole Mass Estimates in Brightest Cluster Galaxies* in: Formation and Evolution of Galaxy Disks, eds. E. M. Corsini & Jose G. Funes, S.J., (San Francisco ASP conference series), 396, 57
  33. Beifiori, A., Corsini, E. M., Dalla Bontà, E., Pizzella, A., Coccato, L., Sarzi, M., & Bertola, F. 2008. *Upper Limits on the Mass of Supermassive Black Holes from Archival Data of the Space Telescope Imaging Spectrograph* in: Formation and Evolution of Galaxy Disks, eds. E. M. Corsini & Jose G. Funes, S.J., (San Francisco ASP conference series), 396, 49.
  34. Morelli, L., Pompei, E., Pizzella, A., **Coccato, L.**, & Corsini, E. M. et al. 2008. *Stellar population in bulge of spiral galaxies* in: Formation and Evolution of Galaxy Bulges, eds. M. Bureau, E. Athanassoula, and B. Barbuy (Cambridge University Press, Cambridge) IAU Symp., 245, 313.
  35. A. Beifiori, A., Corsini, E. M., Dalla Bontà, E., Pizzella, A., **Coccato, L.**, Sarzi, M. & , Bertola, F. 2008. *Upper limits on the mass of supermassive black holes from STIS archival data* in Formation and Evolution of Galaxy Bulges, eds. M. Bureau, E. Athanassoula, and B. Barbuy (Cambridge University Press, Cambridge) IAU Symp. 245, 233, (arXiv:0709.0866).
  36. De Lorenzi, F., Debattista, V. P., Niranjana, S., Coccato, L., Arnaboldi, M. et al. 2008. *Constraining the internal dynamics of stellar systems using the NMAGIC particle code* in: Formation and Evolution of Galaxy Bulges, eds. M. Bureau, E. Athanassoula, and B. Barbuy (Cambridge University Press, Cambridge) IAU Symp. 245, 27.
  37. Napolitano, N. R., Romanowsky, A. J., **Coccato, L.** et al. 2008. *Dark-Matter Content of Early-Type Galaxies with Planetary Nebulae* in: Dark Galaxies and Lost Baryons, eds. J.I. Davies & M.J. Disney (Cambridge University Press, Cambridge) IAU Symp. 244, 289 (astro-ph/07091636 ).
  38. Morelli L., Pompei, E., Pizzella, A., Coccato, L., Corsini, E. M., Mèndez-Abreu, J., et al. 2007. *Stellar population in bulge of spiral galaxies* in: Stellar Populations as Building Blocks of Galaxies, eds. A. Vazdekis & R. F. Peletier (Cambridge University Press, Cambridge), IAU Symp. 241, 519.
  39. Dalla Bontà, E., Ferrarese, L., Miralda-Escud, J., **Coccato, L.**, Corsini, E. M., Pizzella, A. 2007. *Supermassive Black Holes in Brightest Cluster Galaxies* in: Black Holes: From Stars to Galaxies-Across the Range of Masses, eds. V. Karas & G. Matt, (Cambridge University Press, Cambridge) IAU Symp. 238, 355 (astro-ph/0610702).
  40. Corsini, E.M., Beifiori, A., Dalla Bontà, E., Pizzella, A., **Coccato, L.**, Sarzi, M., & Bertola, F. 2007. *Upper limits on the mass of supermassive black holes from HST/STIS archival data* in: Black Holes: From Stars to Galaxies-Across the Range of Masses, eds. V. Karas & G. Matt, (Cambridge University Press, Cambridge) IAU Symp. 238, 349 (astro-ph/0610624).

41. Beifiori, A., Corsini, E. M., Dalla Bontà, E., Pizzella, A., **Coccato, L.**, Sarzi, M., & Bertola, F. 2007, Mem SAIIt, 78, 761 *Upper limits on the mass of supermassive black holes from HST/STIS archival data.* (arXiv:0709.0866).
42. Dalla Bontà, E., Ferrarese, L., Corsini, E. M., Miralda-Escudé, J., **Coccato, L.**, Pizzella, A. 2007, Mem SAIIt, 78, 745 *The Black Hole Mass of Abell 1836-BCG and Abell 3565-BCG* (arXiv:0706.1959).
43. **Coccato, L.**, Corsini, E. M., Pizzella, A., & Bertola, F. 2007. *Integral field spectroscopy of NGC 2855 and NGC 7049* in: Island Universes: Structure and Evolution of Disk Galaxies, ed. R. de Jong (Springer: Dordrecht), ASSP proceedings, p. 121.
44. Corsini, E. M., Pizzella, A., Dalla Bontà, E., Bertola, F., **Coccato, L.**, & Sarzi, M. 2007. *Circular velocity and central velocity dispersion in low surface brightness galaxies* in: Island Universes: Structure and Evolution of Disk Galaxies, ed. R. de Jong (Springer: Dordrecht), ASSP proceedings, p. 77 (astro-ph/0512640).
45. Morelli, L., Pompei, E., Pizzella, A., Corsini, E. M., **Coccato, L.** & Bertola, F. 2006 *Stellar population in bulges of spiral galaxies* Revista Mexicana de Astronomia y Astrofisica Conference Series, XI IAU Regional Latin American Meeting of Astronomy, eds L. Infante & M. Rubio, 26,194.
46. Pizzella, A., Dalla Bontà, E., Corsini, E. M., **Coccato, L.**, Sarzi, M., & Bertola, F. 2006, Mem. SAIIt supplement, 9, 293 *The  $V_c$ - $\sigma_c$  relation in high and low surface brightness galaxies.*
47. **Coccato, L.**, Sarzi, M., Corsini, E. M., Pizzella, A., & Bertola, F. 2005, *Super massive black holes in spiral galaxies: HST/STIS observations for 3 new objects.* In: “Growing black holes: accretion in a cosmological context”, eds. A. Merloni, S. Nayakshin, & R.A. Sunyaev, (Springer Verlag), p. 179.
48. Pizzella, A., Dalla Bontà, E., Corsini, E. M., *Coccato, L.*, & Bertola, F. 2005. *The Relation Between Bulge Velocity Dispersion and Disk Circular Velocity in Galaxies* in Multiwavelength mapping of galaxy formation and evolution, ed: B. Leibundgut (Springer, Berlin), 442.
49. Pizzella, A., Dalla Bontà, E., Corsini, E. M., **Coccato, L.**, & Bertola, F. 2004. *The  $\sigma_c$ - $V_c$  correlation in high and low surface brightness galaxies* in Dark Matter in Galaxies, ed. S. Ryder, D.J. Pisano, M. Walker, & K. Freeman (San Francisco: ASP), IAU Symp., 220, p. 339 (astrp-ph/0311023).
50. Pizzella, A., Corsini, E. M., Sarzi, M., Magorrian, J., Bertola, F., **Coccato, L.**, & Funes, J. 2004. *Central DM density in LSBs from stellar kinematics.* in Dark Matter in Galaxies, ed. S. Ryder, D.J. Pisano, M. Walker, & K. Freeman (San Francisco: ASP), IAU Symp., 220, p. 337 (astrp-ph/0311044).
51. Pizzella, A., Dalla Bontà, E., Corsini, E. M., **Coccato, L.**, Sarzi, M., & Bertola, F. 2004. *The  $V_c$ - $\sigma_c$  relation in high and low surface brightness galaxies*, in The Interplay among Black Holes, Stars and ISM in Galactic Nuclei, eds. Th. Storchi Bergmann, L.C. Ho & H.R. Schmitt, IAU Symp., 222, p. 197 (astro-ph/0404284).

52. **Coccato, L.**, Dalla Bontà, E., Sarzi, M., Pizzella, A., Corsini, E.M, & Bertola, F. 2004. *Super massive black holes in spiral galaxies: HST/STIS observations for 3 new objects.* In: International Astronomical Union Symposium no. 222, "The Interplay among Black Holes, Stars and ISM in Galactic Nuclei", eds. Th. Storchi Bergmann, L.C. Ho & H.R. Schmitt, p. 85 (astro-ph/0404575).
53. Corsini, E. M., Pizzella, A., Dalla Bontà, E., Sarzi, M., **Coccato, L.**, & Bertola, F. 2004, Mem. SAIt Supp., 5, 249 *The  $V_c$ - $\sigma_c$  relation in high and low surface brightness galaxies.*
54. Corsini, E. M., Pizzella, A., **Coccato, L.**, & Bertola, F. 2001. *Kinematical Decouplings in Spiral Galaxies.* In: Joint European and National Meeting. Astronomische Gesellschaft Abs. Ser. (vol. 18, pp. 556) ISSN: 0934-4438.
55. **Coccato L.**, Corsini E. M., Pizzella A., & Bertola F. 2003, Mem. SAIt, 74, 460, *Inner polar disks in early-type spiral galaxies.*
56. Corsini E. M., Pizzella, A., **Coccato, L.**, & Bertola, F. 2003. *Gas Minor-Axis Velocity Gradients in Early-Type Spiral Galaxies*, in: The mass of galaxies at low and high redshift, eds. A. Renzini, & R. Bender, (Springer Verlag), p. 211.
57. Pizzella A., Corsini E. M., Vega Beltrán J. C., **Coccato L.**, & Bertola F. 2003, Mem. SAIt, 74, 504, *Supermassive black holes and dark matter halos.*