



Universiteit
Leiden

The Netherlands

Cosmic tomography with weak gravitational lensing

Li, S.S.

Citation

Li, S. S. (2023, October 25). *Cosmic tomography with weak gravitational lensing*. Retrieved from <https://hdl.handle.net/1887/3645974>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3645974>

Note: To cite this publication please use the final published version (if applicable).

Bibliography

- Aas, K., Czado, C., Frigessi, A., & Bakken, H. 2009, *Insurance: Mathematics and economics*, 44, 182
- Abbott, T. M. C., Agüena, M., Alarcon, A., et al. 2022, *Phys. Rev. D*, 105, 023520
- Ahad, S. L., Bahé, Y. M., & Hoekstra, H. 2023, *MNRAS*, 518, 3685
- Aihara, H., Arimoto, N., Armstrong, R., et al. 2018, *PASJ*, 70, S4
- Alam, S., Albareti, F. D., Allende Prieto, C., et al. 2015, *ApJS*, 219, 12
- Alarcon, A., Gaztanaga, E., Eriksen, M., et al. 2021, *MNRAS*, 501, 6103
- Allen, S. W., Evrard, A. E., & Mantz, A. B. 2011, *ARA&A*, 49, 409
- Alsing, J., Kirk, D., Heavens, A., & Jaffe, A. H. 2015, *MNRAS*, 452, 1202
- Amon, A. & Efstathiou, G. 2022, *MNRAS*, 516, 5355
- Amon, A., Gruen, D., Troxel, M. A., et al. 2022, *Phys. Rev. D*, 105, 023514
- Asgari, M., Heymans, C., Hildebrandt, H., et al. 2019, *A&A*, 624, A134
- Asgari, M., Lin, C.-A., Joachimi, B., et al. 2021, *A&A*, 645, A104
- Asgari, M., Tröster, T., Heymans, C., et al. 2020, *A&A*, 634, A127
- Audren, B., Lesgourgues, J., Benabed, K., & Prunet, S. 2013, *J. Cosmology Astropart. Phys.*, 2013, 001
- Bacon, D. J., Massey, R. J., Refregier, A. R., & Ellis, R. S. 2003, *MNRAS*, 344, 673
- Bacon, D. J., Refregier, A. R., & Ellis, R. S. 2000, *MNRAS*, 318, 625
- Bahar, Y. E., Bulbul, E., Clerc, N., et al. 2022, *A&A*, 661, A7
- Bardeen, J. M., Bond, J. R., Kaiser, N., & Szalay, A. S. 1986, *ApJ*, 304, 15
- Barnes, D. J., Vogelsberger, M., Pearce, F. A., et al. 2021, *MNRAS*, 506, 2533
- Bartelmann, M. 1995, *A&A*, 303, 643
- Bartelmann, M. 1996, *A&A*, 313, 697
- Bartelmann, M. & Schneider, P. 2001, *Phys. Rep.*, 340, 291

- Bedford, T. & Cooke, R. M. 2002, *The Annals of Statistics*, 30, 1031
- Benítez, N. 2000, *ApJ*, 536, 571
- Beran, R. 1977, *The Annals of Statistics*, 5, 445
- Berlind, A. A. & Weinberg, D. H. 2002, *ApJ*, 575, 587
- Bernstein, G. M. & Armstrong, R. 2014, *MNRAS*, 438, 1880
- Bernstein, G. M. & Jarvis, M. 2002, *AJ*, 123, 583
- Bertin, E. 2010, *SWarp: Resampling and Co-adding FITS Images Together*
- Bertin, E. & Arnouts, S. 1996, *A&AS*, 117, 393
- Biffi, V., Borgani, S., Murante, G., et al. 2016, *ApJ*, 827, 112
- Blandford, R. & Narayan, R. 1986, *ApJ*, 310, 568
- Blandford, R. D., Saust, A. B., Brainerd, T. G., & Villumsen, J. V. 1991, *MNRAS*, 251, 600
- Blas, D., Lesgourgues, J., & Tram, T. 2011, *J. Cosmology Astropart. Phys.*, 2011, 034
- Blazek, J. A., MacCrann, N., Troxel, M. A., & Fang, X. 2019, *Phys. Rev. D*, 100, 103506
- Blumenthal, G. R., Faber, S. M., Primack, J. R., & Rees, M. J. 1984, *Nature*, 311, 517
- Bond, J. R., Cole, S., Efstathiou, G., & Kaiser, N. 1991, *ApJ*, 379, 440
- Bravo, M., Lagos, C. d. P., Robotham, A. S. G., Bellstedt, S., & Obreschkow, D. 2020, *MNRAS*, 497, 3026
- Bridle, S., Balan, S. T., Bethge, M., et al. 2010, *MNRAS*, 405, 2044
- Bridle, S. & King, L. 2007, *New Journal of Physics*, 9, 444
- Brinckmann, T. & Lesgourgues, J. 2018, *arXiv e-prints*, arXiv:1804.07261
- Broadhurst, T. J., Taylor, A. N., & Peacock, J. A. 1995, *ApJ*, 438, 49
- Brouwer, M. M., Cacciato, M., Dvornik, A., et al. 2016, *MNRAS*, 462, 4451
- Bruzual, G. & Charlot, S. 2003, *MNRAS*, 344, 1000
- Buchner, J., Georgakakis, A., Nandra, K., et al. 2014, *A&A*, 564, A125
- Bullock, J. S., Kolatt, T. S., Sigad, Y., et al. 2001, *MNRAS*, 321, 559
- Cañas, R., Elahi, P. J., Welker, C., et al. 2019, *MNRAS*, 482, 2039
- Cacciato, M., van den Bosch, F. C., More, S., et al. 2009, *MNRAS*, 394, 929
- Capak, P. L. 2004, PhD thesis, UNIVERSITY OF HAWAII
- Cappellaro, E., Botticella, M. T., Pignata, G., et al. 2015, *A&A*, 584, A62
- Carlstrom, J. E., Ade, P. A. R., Aird, K. A., et al. 2011, *PASP*, 123, 568
- Carretero, J., Castander, F. J., Gaztañaga, E., Crocce, M., & Fosalba, P. 2015, *MNRAS*, 447, 646
- Carretero, J., Tallada, P., Casals, J., et al. 2017, in *Proceedings of the European Physical Society Conference on High Energy Physics*. 5-12 July, 488

- Castro, T., Borgani, S., Dolag, K., et al. 2021, *MNRAS*, 500, 2316
- Chabrier, G. 2003, *PASP*, 115, 763
- Chang, C., Jarvis, M., Jain, B., et al. 2013, *MNRAS*, 434, 2121
- Chauhan, G., Lagos, C. d. P., Obreschkow, D., et al. 2019, *MNRAS*, 488, 5898
- Chisari, N., Codis, S., Laigle, C., et al. 2015, *MNRAS*, 454, 2736
- Chisari, N. E., Richardson, M. L. A., Devriendt, J., et al. 2018, *MNRAS*, 480, 3962
- Coe, D., Benítez, N., Sánchez, S. F., et al. 2006, *AJ*, 132, 926
- Coleman, G. D., Wu, C. C., & Weedman, D. W. 1980, *ApJS*, 43, 393
- Cooray, A. 2006, *MNRAS*, 365, 842
- Cooray, A. & Sheth, R. 2002, *Phys. Rep.*, 372, 1
- Crocce, M., Castander, F. J., Gaztañaga, E., Fosalba, P., & Carretero, J. 2015, *MNRAS*, 453, 1513
- Czado, C. 2019, *Lecture notes in statistics*, Vol. 222, *Analyzing Dependent Data with Vine Copulas: A Practical Guide with R* (Cham: Springer International Publishing AG)
- Czekaj, M. A., Robin, A. C., Figueras, F., Luri, X., & Haywood, M. 2014, *A&A*, 564, A102
- Dalal, R., Li, X., Nicola, A., et al. 2023, *arXiv e-prints*, arXiv:2304.00701
- Damjanov, I., Zahid, H. J., Geller, M. J., Fabricant, D. G., & Hwang, H. S. 2018, *ApJS*, 234, 21
- Dark Energy Survey Collaboration, Abbott, T., Abdalla, F. B., et al. 2016, *MNRAS*, 460, 1270
- Davies, L. J. M., Driver, S. P., Robotham, A. S. G., et al. 2015, *MNRAS*, 447, 1014
- Davies, L. J. M., Robotham, A. S. G., Driver, S. P., et al. 2018, *MNRAS*, 480, 768
- Davis, M., Efstathiou, G., Frenk, C. S., & White, S. D. M. 1985, *ApJ*, 292, 371
- Dawson, W. A., Schneider, M. D., Tyson, J. A., & Jee, M. J. 2016, *ApJ*, 816, 11
- De Cicco, D., Paolillo, M., Falocco, S., et al. 2019, *A&A*, 627, A33
- de Jong, J. T. A., Verdoes Kleijn, G. A., Boxhoorn, D. R., et al. 2015, *A&A*, 582, A62
- de Jong, J. T. A., Verdoes Kleijn, G. A., Erben, T., et al. 2017, *A&A*, 604, A134
- de Jong, J. T. A., Verdoes Kleijn, G. A., Kuijken, K. H., & Valentijn, E. A. 2013, *Experimental Astronomy*, 35, 25
- De Propriis, R., West, M. J., Andrade-Santos, F., et al. 2021, *MNRAS*, 500, 310
- Debackere, S. N. B., Schaye, J., & Hoekstra, H. 2020, *MNRAS*, 492, 2285
- Debackere, S. N. B., Schaye, J., & Hoekstra, H. 2021, *MNRAS*, 505, 593
- DeRose, J., Wechsler, R. H., Becker, M. R., et al. 2022, *Phys. Rev. D*, 105, 123520
- DES and KiDS Collaboration, :, Abbott, T. M. C., et al. 2023, *arXiv e-prints*, arXiv:2305.17173
- Desjacques, V., Jeong, D., & Schmidt, F. 2018, *Phys. Rep.*, 733, 1

- Di Valentino, E., Mena, O., Pan, S., et al. 2021, *Classical and Quantum Gravity*, 38, 153001
- Driver, S. P., Bellstedt, S., Robotham, A. S. G., et al. 2022, *MNRAS*, 513, 439
- Driver, S. P., Hill, D. T., Kelvin, L. S., et al. 2011, *MNRAS*, 413, 971
- Duffy, A. R., Schaye, J., Kay, S. T., & Dalla Vecchia, C. 2008, *MNRAS*, 390, L64
- Dunkley, J., Komatsu, E., Nolta, M. R., et al. 2009, *ApJS*, 180, 306
- Dvornik, A., Cacciato, M., Kuijken, K., et al. 2017, *MNRAS*, 468, 3251
- Eckmiller, H. J., Hudson, D. S., & Reiprich, T. H. 2011, *A&A*, 535, A105
- Edge, A., Sutherland, W., Kuijken, K., et al. 2013, *The Messenger*, 154, 32
- Efstathiou, G. & Lemos, P. 2018, *MNRAS*, 476, 151
- Eisenstein, D. J. & Hu, W. 1998, *ApJ*, 496, 605
- Elahi, P. J., Cañas, R., Poulton, R. J. J., et al. 2019a, *PASA*, 36, e021
- Elahi, P. J., Poulton, R. J. J., Tobar, R. J., et al. 2019b, *PASA*, 36, e028
- Elahi, P. J., Welker, C., Power, C., et al. 2018, *MNRAS*, 475, 5338
- Erben, T., Schirmer, M., Dietrich, J. P., et al. 2005, *Astronomische Nachrichten*, 326, 432
- Ettori, S., Donnarumma, A., Pointecouteau, E., et al. 2013, *Space Sci. Rev.*, 177, 119
- Euclid Collaboration, Guglielmo, V., Saglia, R., et al. 2020, *A&A*, 642, A192
- Euclid Collaboration, Knabenhans, M., Stadel, J., et al. 2021, *MNRAS*, 505, 2840
- Euclid Collaboration, Martinet, N., Schrabback, T., et al. 2019, *A&A*, 627, A59
- Farrow, D. J., Cole, S., Norberg, P., et al. 2015, *MNRAS*, 454, 2120
- Fenech Conti, I., Herbonnet, R., Hoekstra, H., et al. 2017, *MNRAS*, 467, 1627
- Feroz, F., Hobson, M. P., & Bridges, M. 2009, *MNRAS*, 398, 1601
- Fischbacher, S., Kacprzak, T., Blazek, J., & Refregier, A. 2023, *J. Cosmology Astropart. Phys.*, 2023, 033
- Foreman-Mackey, D., Hogg, D. W., Lang, D., & Goodman, J. 2013, *PASP*, 125, 306
- Fortuna, M. C., Hoekstra, H., Joachimi, B., et al. 2021a, *MNRAS*, 501, 2983
- Fortuna, M. C., Hoekstra, H., Johnston, H., et al. 2021b, *A&A*, 654, A76
- Fosalba, P., Crocce, M., Gaztañaga, E., & Castander, F. J. 2015a, *MNRAS*, 448, 2987
- Fosalba, P., Gaztañaga, E., Castander, F. J., & Crocce, M. 2015b, *MNRAS*, 447, 1319
- Fowler, J. W., Niemack, M. D., Dicker, S. R., et al. 2007, *Appl. Opt.*, 46, 3444
- Fukugita, M., Ichikawa, T., Gunn, J. E., et al. 1996, *AJ*, 111, 1748
- George, M. R., Leauthaud, A., Bundy, K., et al. 2012, *ApJ*, 757, 2
- Giblin, B., Heymans, C., Asgari, M., et al. 2021, *A&A*, 645, A105
- Girardi, L., Groenewegen, M. A. T., Hatziminaoglou, E., & da Costa, L. 2005, *A&A*, 436, 895

- González-Fernández, C., Hodgkin, S. T., Irwin, M. J., et al. 2018, *MNRAS*, 474, 5459
- Goodman, J. & Weare, J. 2010, *Communications in Applied Mathematics and Computational Science*, 5, 65
- Górski, K. M., Hivon, E., Banday, A. J., et al. 2005, *ApJ*, 622, 759
- Griffith, R. L., Cooper, M. C., Newman, J. A., et al. 2012, *ApJS*, 200, 9
- Hamana, T., Shirasaki, M., Miyazaki, S., et al. 2020, *PASJ*, 72, 16
- Han, J., Eke, V. R., Frenk, C. S., et al. 2015, *MNRAS*, 446, 1356
- Handley, W. & Lemos, P. 2019a, *Phys. Rev. D*, 100, 023512
- Handley, W. & Lemos, P. 2019b, *Phys. Rev. D*, 100, 043504
- Handley, W. J., Hobson, M. P., & Lasenby, A. N. 2015a, *MNRAS*, 450, L61
- Handley, W. J., Hobson, M. P., & Lasenby, A. N. 2015b, *MNRAS*, 453, 4384
- Hartlap, J., Hilbert, S., Schneider, P., & Hildebrandt, H. 2011, *A&A*, 528, A51
- Hasinger, G., Capak, P., Salvato, M., et al. 2018, *ApJ*, 858, 77
- Heitmann, K., Higdon, D., White, M., et al. 2009, *ApJ*, 705, 156
- Hellwing, W. A., Schaller, M., Frenk, C. S., et al. 2016, *MNRAS*, 461, L11
- Heymans, C., Tröster, T., Asgari, M., et al. 2021, *A&A*, 646, A140
- Heymans, C., Van Waerbeke, L., Bacon, D., et al. 2006, *MNRAS*, 368, 1323
- Heymans, C., Van Waerbeke, L., Miller, L., et al. 2012, *MNRAS*, 427, 146
- Hikage, C., Oguri, M., Hamana, T., et al. 2019, *PASJ*, 71, 43
- Hilbert, S., Hartlap, J., White, S. D. M., & Schneider, P. 2009, *A&A*, 499, 31
- Hilbert, S., Xu, D., Schneider, P., et al. 2017, *MNRAS*, 468, 790
- Hildebrandt, H., Arnouts, S., Capak, P., et al. 2010, *A&A*, 523, A31
- Hildebrandt, H., Choi, A., Heymans, C., et al. 2016, *MNRAS*, 463, 635
- Hildebrandt, H., Köhlinger, F., van den Busch, J. L., et al. 2020, *A&A*, 633, A69
- Hildebrandt, H., van den Busch, J. L., Wright, A. H., et al. 2021, *A&A*, 647, A124
- Hildebrandt, H., van Waerbeke, L., & Erben, T. 2009, *A&A*, 507, 683
- Hildebrandt, H., Viola, M., Heymans, C., et al. 2017, *MNRAS*, 465, 1454
- Hill, A. R., van der Wel, A., Franx, M., et al. 2019, *ApJ*, 871, 76
- Hinton, S. R. 2016, *The Journal of Open Source Software*, 1, 00045
- Hirata, C. & Seljak, U. 2003, *MNRAS*, 343, 459
- Hirata, C. M. & Seljak, U. 2004, *Phys. Rev. D*, 70, 063526
- Hoekstra, H., Franx, M., Kuijken, K., et al. 2001, *ApJ*, 548, L5

- Hoekstra, H., Herbonnet, R., Muzzin, A., et al. 2015, MNRAS, 449, 685
- Hoekstra, H. & Jain, B. 2008, Annual Review of Nuclear and Particle Science, 58, 99
- Hoekstra, H., Kannawadi, A., & Kitching, T. D. 2021, A&A, 646, A124
- Hoekstra, H., Viola, M., & Herbonnet, R. 2017, MNRAS, 468, 3295
- Howlett, C., Lewis, A., Hall, A., & Challinor, A. 2012, J. Cosmology Astropart. Phys., 2012, 027
- Hoyle, B., Gruen, D., Bernstein, G. M., et al. 2018, MNRAS, 478, 592
- Hu, W. 1999, ApJ, 522, L21
- Hubble, E. 1929, Proceedings of the National Academy of Science, 15, 168
- Hudson, M. J., Gillis, B. R., Coupon, J., et al. 2015, MNRAS, 447, 298
- Huff, E. & Mandelbaum, R. 2017, arXiv e-prints, arXiv:1702.02600
- Huterer, D. 2002, Phys. Rev. D, 65, 063001
- Ivezić, Ž., Kahn, S. M., Tyson, J. A., et al. 2019, ApJ, 873, 111
- Jain, B. & Taylor, A. 2003, Phys. Rev. Lett., 91, 141302
- Jakobs, A., Viola, M., McCarthy, I., et al. 2018, MNRAS, 480, 3338
- Jarvis, M. 2015, TreeCorr: Two-point correlation functions, Astrophysics Source Code Library, record ascl:1508.007
- Jarvis, M., Bernstein, G., & Jain, B. 2004, MNRAS, 352, 338
- Jarvis, M., Sheldon, E., Zuntz, J., et al. 2016, MNRAS, 460, 2245
- Joachimi, B., Cacciato, M., Kitching, T. D., et al. 2015, Space Sci. Rev., 193, 1
- Joachimi, B., Lin, C. A., Asgari, M., et al. 2021, A&A, 646, A129
- Joachimi, B., Mandelbaum, R., Abdalla, F. B., & Bridle, S. L. 2011, A&A, 527, A26
- Joachimi, B., Schneider, P., & Eifler, T. 2008, A&A, 477, 43
- Joe, H. 2014, Dependence modeling with copulas (CRC press)
- Johnston, H., Georgiou, C., Joachimi, B., et al. 2019, A&A, 624, A30
- Kafle, P. R., Robotham, A. S. G., Driver, S. P., et al. 2018, MNRAS, 479, 3746
- Kaiser, N. 1992, ApJ, 388, 272
- Kaiser, N. 1998, ApJ, 498, 26
- Kaiser, N. 2000, ApJ, 537, 555
- Kaiser, N., Wilson, G., & Luppino, G. A. 2000, Large-Scale Cosmic Shear Measurements
- Kannawadi, A., Hoekstra, H., Miller, L., et al. 2019, A&A, 624, A92
- Kelly, B. C. 2007, ApJ, 665, 1489
- Kettula, K., Giodini, S., van Uitert, E., et al. 2015, MNRAS, 451, 1460

- Kilbinger, M. 2015, *Reports on Progress in Physics*, 78, 086901
- Kinney, A. L., Calzetti, D., Bohlin, R. C., et al. 1996, *ApJ*, 467, 38
- Kitching, T. D., Balan, S. T., Bridle, S., et al. 2012, *MNRAS*, 423, 3163
- Kitching, T. D., Miller, L., Heymans, C. E., van Waerbeke, L., & Heavens, A. F. 2008, *MNRAS*, 390, 149
- Kitching, T. D., Paykari, P., Hoekstra, H., & Cropper, M. 2019, *The Open Journal of Astrophysics*, 2, 5
- Köhlinger, F., Joachimi, B., Asgari, M., et al. 2019, *MNRAS*, 484, 3126
- Kohonen, T. 1982, *Biological cybernetics*, 43, 59
- Komatsu, E., Dunkley, J., Nolte, M. R., et al. 2009, *ApJS*, 180, 330
- Krause, E., Fang, X., Pandey, S., et al. 2021, arXiv e-prints, arXiv:2105.13548
- Kugel, R., Schaye, J., Schaller, M., et al. 2023, arXiv e-prints, arXiv:2306.05492
- Kuijken, K. 2011, *The Messenger*, 146, 8
- Kuijken, K., Heymans, C., Dvornik, A., et al. 2019, *A&A*, 625, A2
- Kuijken, K., Heymans, C., Hildebrandt, H., et al. 2015, *MNRAS*, 454, 3500
- Kurita, T., Takada, M., Nishimichi, T., et al. 2021, *MNRAS*, 501, 833
- Lacey, C. & Cole, S. 1993, *MNRAS*, 262, 627
- Lagos, C. d. P., Robotham, A. S. G., Trayford, J. W., et al. 2019, *MNRAS*, 489, 4196
- Lagos, C. d. P., Tobar, R. J., Robotham, A. S. G., et al. 2018, *MNRAS*, 481, 3573
- Laigle, C., McCracken, H. J., Ilbert, O., et al. 2016, *ApJS*, 224, 24
- Lange, R., Moffett, A. J., Driver, S. P., et al. 2016, *MNRAS*, 462, 1470
- Laureijs, R., Amiaux, J., Arduini, S., et al. 2011, arXiv e-prints, arXiv:1110.3193
- Le Fèvre, O., Cassata, P., Cucciati, O., et al. 2013, *A&A*, 559, A14
- Le Fèvre, O., Tasca, L. A. M., Cassata, P., et al. 2015, *A&A*, 576, A79
- Leauthaud, A., Finoguenov, A., Kneib, J.-P., et al. 2010, *ApJ*, 709, 97
- Lemaître, G. 1927, *Annales de la Société Scientifique de Bruxelles*, 47, 49
- Lemos, P., Köhlinger, F., Handley, W., et al. 2019, arXiv e-prints, arXiv:1910.07820
- Lemos, P., Weaverdyck, N., Rollins, R. P., et al. 2023, *MNRAS*, 521, 1184
- Lewis, A., Challinor, A., & Lasenby, A. 2000, *ApJ*, 538, 473
- Li, S.-S., Hoekstra, H., Kuijken, K., et al. 2023a, arXiv e-prints, arXiv:2306.11124
- Li, S.-S., Kuijken, K., Hoekstra, H., et al. 2021, *A&A*, 646, A175
- Li, S.-S., Kuijken, K., Hoekstra, H., et al. 2023b, *A&A*, 670, A100
- Li, X., Zhang, T., Sugiyama, S., et al. 2023c, arXiv e-prints, arXiv:2304.00702

- Lilly, S. J., Le Brun, V., Maier, C., et al. 2009, *ApJS*, 184, 218
- Lima, M., Cunha, C. E., Oyaizu, H., et al. 2008, *MNRAS*, 390, 118
- Limber, D. N. 1953, *ApJ*, 117, 134
- Liske, J., Baldry, I. K., Driver, S. P., et al. 2015, *MNRAS*, 452, 2087
- Logan, C. H. A., Maughan, B. J., Diaferio, A., et al. 2022, *A&A*, 665, A124
- Loverde, M. & Afshordi, N. 2008, *Phys. Rev. D*, 78, 123506
- MacCrann, N., Becker, M. R., McCullough, J., et al. 2022, *MNRAS*, 509, 3371
- Mandelbaum, R. 2018, *ARA&A*, 56, 393
- Mandelbaum, R., Lanusse, F., Leauthaud, A., et al. 2018, *MNRAS*, 481, 3170
- Mandelbaum, R., Rowe, B., Armstrong, R., et al. 2015, *MNRAS*, 450, 2963
- Mandelbaum, R., Seljak, U., Kauffmann, G., Hirata, C. M., & Brinkmann, J. 2006, *MNRAS*, 368, 715
- Massey, R. 2010, *MNRAS*, 409, L109
- Massey, R., Heymans, C., Bergé, J., et al. 2007, *MNRAS*, 376, 13
- Massey, R., Hoekstra, H., Kitching, T., et al. 2013, *MNRAS*, 429, 661
- Masters, D., Capak, P., Stern, D., et al. 2015, *ApJ*, 813, 53
- Masters, D. C., Stern, D. K., Cohen, J. G., et al. 2017, *ApJ*, 841, 111
- Masters, D. C., Stern, D. K., Cohen, J. G., et al. 2019, *ApJ*, 877, 81
- McCarthy, I. G., Schaye, J., Bird, S., & Le Brun, A. M. C. 2017, *MNRAS*, 465, 2936
- McCarthy, I. G., Schaye, J., Ponman, T. J., et al. 2010, *MNRAS*, 406, 822
- McConnell, N. J. & Ma, C.-P. 2013, *ApJ*, 764, 184
- McCracken, H. J., Milvang-Jensen, B., Dunlop, J., et al. 2012, *A&A*, 544, A156
- McFarland, J. P., Verdoes-Kleijn, G., Sikkema, G., et al. 2013, *Experimental Astronomy*, 35, 45
- Mead, A. J., Brieden, S., Tröster, T., & Heymans, C. 2021, *MNRAS*, 502, 1401
- Mead, A. J., Heymans, C., Lombriser, L., et al. 2016, *MNRAS*, 459, 1468
- Mead, A. J., Peacock, J. A., Heymans, C., Joudaki, S., & Heavens, A. F. 2015, *MNRAS*, 454, 1958
- Melchior, P. & Viola, M. 2012, *MNRAS*, 424, 2757
- Mellier, Y. 1999, *ARA&A*, 37, 127
- Miller, L., Heymans, C., Kitching, T. D., et al. 2013, *MNRAS*, 429, 2858
- Miller, L., Kitching, T. D., Heymans, C., Heavens, A. F., & van Waerbeke, L. 2007, *MNRAS*, 382, 315
- Miralda-Escude, J. 1991, *ApJ*, 380, 1

- Mo, H., van den Bosch, F. C., & White, S. 2010, *Galaxy Formation and Evolution*
- More, S., Miyatake, H., Mandelbaum, R., et al. 2015, *ApJ*, 806, 2
- Muñoz-Cuartas, J. C., Macciò, A. V., Gottlöber, S., & Dutton, A. A. 2011, *MNRAS*, 411, 584
- Myles, J., Alarcon, A., Amon, A., et al. 2021, *MNRAS*, 505, 4249
- Narayan, R. & Bartelmann, M. 1997, *Lectures on Gravitational Lensing*
- Navarro, J. F., Frenk, C. S., & White, S. D. M. 1995, *MNRAS*, 275, 720
- Navarro, J. F., Frenk, C. S., & White, S. D. M. 1996, *ApJ*, 462, 563
- Navarro, J. F., Frenk, C. S., & White, S. D. M. 1997, *ApJ*, 490, 493
- Nelder, J. A. & Mead, R. 1965, *The Computer Journal*, 7, 308
- Newman, J. A., Cooper, M. C., Davis, M., et al. 2013, *ApJS*, 208, 5
- Nishimichi, T., Takada, M., Takahashi, R., et al. 2019, *ApJ*, 884, 29
- Obreschkow, D., Klöckner, H. R., Heywood, I., Levrier, F., & Rawlings, S. 2009, *ApJ*, 703, 1890
- Oguri, M. & Takada, M. 2011, *Phys. Rev. D*, 83, 023008
- Paulin-Henriksson, S., Amara, A., Voigt, L., Refregier, A., & Bridle, S. L. 2008, *A&A*, 484, 67
- Peacock, J. A. 1999, *Cosmological Physics*
- Peacock, J. A. & Smith, R. E. 2000, *MNRAS*, 318, 1144
- Penzias, A. A. & Wilson, R. W. 1965, *ApJ*, 142, 419
- Perivolaropoulos, L. & Skara, F. 2022, *New A Rev.*, 95, 101659
- Planck Collaboration. 2016, *A&A*, 594, A13
- Planck Collaboration, Aghanim, N., Akrami, Y., et al. 2020, *A&A*, 641, A6
- Pop, A.-R., Hernquist, L., Nagai, D., et al. 2022, *arXiv e-prints*, arXiv:2205.11528
- Poulton, R. J. J., Robotham, A. S. G., Power, C., & Elahi, P. J. 2018, *PASA*, 35, e042
- Press, W. H. & Schechter, P. 1974, *ApJ*, 187, 425
- Preston, C., Amon, A., & Efstathiou, G. 2023, *arXiv e-prints*, arXiv:2305.09827
- Raichoor, A., Mei, S., Erben, T., et al. 2014, *ApJ*, 797, 102
- Rana, D., More, S., Miyatake, H., et al. 2022, *MNRAS*, 510, 5408
- Rasia, E., Ettori, S., Moscardini, L., et al. 2006, *MNRAS*, 369, 2013
- Rau, M. M., Dalal, R., Zhang, T., et al. 2022, *arXiv e-prints*, arXiv:2211.16516
- Raveri, M., Zacharegkas, G., & Hu, W. 2020, *Phys. Rev. D*, 101, 103527
- Refregier, A. 2003, *ARA&A*, 41, 645
- Refregier, A. & Amara, A. 2014, *Physics of the Dark Universe*, 3, 1
- Refregier, A., Kacprzak, T., Amara, A., Bridle, S., & Rowe, B. 2012, *MNRAS*, 425, 1951

- Rhodes, J. D., Massey, R. J., Albert, J., et al. 2007, *ApJS*, 172, 203
- Robin, A. C., Reyl  , C., Derri  re, S., & Picaud, S. 2003, *A&A*, 409, 523
- Robotham, A. S. G., Bellstedt, S., Lagos, C. d. P., et al. 2020, *MNRAS*, 495, 905
- Robotham, A. S. G., Norberg, P., Driver, S. P., et al. 2011, *MNRAS*, 416, 2640
- Rowe, B. T. P., Jarvis, M., Mandelbaum, R., et al. 2015, *Astronomy and Computing*, 10, 121
- Salvato, M., Ilbert, O., & Hoyle, B. 2019, *Nature Astronomy*, 3, 212
- Samuroff, S., Blazek, J., Troxel, M. A., et al. 2019, *MNRAS*, 489, 5453
- Samuroff, S., Bridle, S. L., Zuntz, J., et al. 2018, *MNRAS*, 475, 4524
- Samuroff, S., Mandelbaum, R., Blazek, J., et al. 2022, *arXiv e-prints*, arXiv:2212.11319
- Schaye, J., Kugel, R., Schaller, M., et al. 2023, *arXiv e-prints*, arXiv:2306.04024
- Schirmer, M. 2013, *ApJS*, 209, 21
- Schneider, A., Stoira, N., Refregier, A., et al. 2020, *J. Cosmology Astropart. Phys.*, 2020, 019
- Schneider, P. 1985, *A&A*, 143, 413
- Schneider, P. 2016, *A&A*, 592, L6
- Schneider, P., Eifler, T., & Krause, E. 2010, *A&A*, 520, A116
- Schneider, P., King, L., & Erben, T. 2000, *A&A*, 353, 41
- Schneider, P., van Waerbeke, L., & Mellier, Y. 2002, *A&A*, 389, 729
- Scoccimarro, R., Sheth, R. K., Hui, L., & Jain, B. 2001, *ApJ*, 546, 20
- Scoville, N., Aussel, H., Brusa, M., et al. 2007, *ApJS*, 172, 1
- Secco, L. F., Samuroff, S., Krause, E., et al. 2022, *Phys. Rev. D*, 105, 023515
- Seljak, U. 2000, *MNRAS*, 318, 203
- Semboloni, E., Hoekstra, H., Schaye, J., van Daalen, M. P., & McCarthy, I. G. 2011, *MNRAS*, 417, 2020
- S  rsic, J. L. 1963, *Bolet  n de la Asociaci  n Argentina de Astronom  a La Plata Argentina*, 6, 41
- Sheldon, E. S., Becker, M. R., MacCrann, N., & Jarvis, M. 2020, *ApJ*, 902, 138
- Sheldon, E. S. & Huff, E. M. 2017, *ApJ*, 841, 24
- Sif  n, C., Cacciato, M., Hoekstra, H., et al. 2015, *MNRAS*, 454, 3938
- Silverman, J. D., Kashino, D., Sanders, D., et al. 2015, *ApJS*, 220, 12
- Singh, S., Mandelbaum, R., & More, S. 2015, *MNRAS*, 450, 2195
- Skibba, R. A., van den Bosch, F. C., Yang, X., et al. 2011, *MNRAS*, 410, 417
- Sklar, M. 1959, *Publ. inst. statist. univ. Paris*, 8, 229
- Spergel, D., Gehrels, N., Baltay, C., et al. 2015, *arXiv e-prints*, arXiv:1503.03757

- Stanford, S. A., Masters, D., Darvish, B., et al. 2021, *ApJS*, 256, 9
- Sugiyama, N. 1995, *ApJS*, 100, 281
- Sunyaev, R. A. & Zeldovich, Y. B. 1972, *Comments on Astrophysics and Space Physics*, 4, 173
- Takada, M. & Hu, W. 2013, *Phys. Rev. D*, 87, 123504
- Takahashi, R., Sato, M., Nishimichi, T., Taruya, A., & Oguri, M. 2012, *ApJ*, 761, 152
- Tallada, P., Carretero, J., Casals, J., et al. 2020, *Astronomy and Computing*, 32, 100391
- Tanaka, M., Coupon, J., Hsieh, B.-C., et al. 2018, *PASJ*, 70, S9
- Taylor, E. N., Hopkins, A. M., Baldry, I. K., et al. 2011, *MNRAS*, 418, 1587
- Tenneti, A., Mandelbaum, R., Di Matteo, T., Feng, Y., & Khandai, N. 2014, *MNRAS*, 441, 470
- Tinker, J. L., Leauthaud, A., Bundy, K., et al. 2013, *ApJ*, 778, 93
- Tinker, J. L., Robertson, B. E., Kravtsov, A. V., et al. 2010, *ApJ*, 724, 878
- Toyozumi, H. & Ashley, M. C. B. 2005, *PASA*, 22, 257
- Tröster, T., Asgari, M., Blake, C., et al. 2021, *A&A*, 649, A88
- Trotta, R. 2008, *Contemporary Physics*, 49, 71
- Troxel, M. A. & Ishak, M. 2015, *Phys. Rep.*, 558, 1
- Troxel, M. A., MacCrann, N., Zuntz, J., et al. 2018, *Phys. Rev. D*, 98, 043528
- Tyson, J. A., Valdes, F., & Wenk, R. A. 1990, *ApJ*, 349, L1
- Unruh, S., Schneider, P., & Hilbert, S. 2019, *A&A*, 623, A94
- Vale, A. & Ostriker, J. P. 2004, *MNRAS*, 353, 189
- van Daalen, M. P., McCarthy, I. G., & Schaye, J. 2020, *MNRAS*, 491, 2424
- van Daalen, M. P., Schaye, J., Booth, C. M., & Dalla Vecchia, C. 2011, *MNRAS*, 415, 3649
- van den Bosch, F. C., More, S., Cacciato, M., Mo, H., & Yang, X. 2013, *MNRAS*, 430, 725
- van den Busch, J. L., Hildebrandt, H., Wright, A. H., et al. 2020, *A&A*, 642, A200
- van den Busch, J. L., Wright, A. H., Hildebrandt, H., et al. 2022, *A&A*, 664, A170
- van der Wel, A., Noeske, K., Bezanson, R., et al. 2016, *ApJS*, 223, 29
- van Uitert, E., Cacciato, M., Hoekstra, H., et al. 2016, *MNRAS*, 459, 3251
- Van Waerbeke, L., Mellier, Y., Erben, T., et al. 2000, *A&A*, 358, 30
- Viola, M., Cacciato, M., Brouwer, M., et al. 2015, *MNRAS*, 452, 3529
- Viola, M., Kitching, T. D., & Joachimi, B. 2014, *MNRAS*, 439, 1909
- Vogelsberger, M., Marinacci, F., Torrey, P., & Puchwein, E. 2020, *Nature Reviews Physics*, 2, 42
- Wechsler, R. H. & Tinker, J. L. 2018, *ARA&A*, 56, 435

- Wittman, D. M., Tyson, J. A., Kirkman, D., Dell'Antonio, I., & Bernstein, G. 2000, *Nature*, 405, 143
- Wright, A. H., Driver, S. P., & Robotham, A. S. G. 2018, *MNRAS*, 480, 3491
- Wright, A. H., Hildebrandt, H., Kuijken, K., et al. 2019, *A&A*, 632, A34
- Wright, A. H., Hildebrandt, H., van den Busch, J. L., & Heymans, C. 2020a, *A&A*, 637, A100
- Wright, A. H., Hildebrandt, H., van den Busch, J. L., et al. 2020b, *A&A*, 640, L14
- Wright, A. H., Robotham, A. S. G., Bourne, N., et al. 2016, *MNRAS*, 460, 765
- Wright, C. O. & Brainerd, T. G. 2000, *ApJ*, 534, 34
- Yang, X., Mo, H. J., & van den Bosch, F. C. 2003, *MNRAS*, 339, 1057
- Yang, X., Mo, H. J., & van den Bosch, F. C. 2008, *ApJ*, 676, 248
- Zacharegkas, G., Chang, C., Prat, J., et al. 2022, *MNRAS*, 509, 3119
- Zuntz, J., Paterno, M., Jennings, E., et al. 2015, *Astronomy and Computing*, 12, 45