Ofer Lahay - List of Publications

Updated: September 2015

This list is divided into three parts (each in reverse chronological order):

- (I) 234 Research papers in refereed journals
- (II) 22 Review and semi-popular articles, and book chapters
- (III) 63 Conference proceedings

Each of the 'Best 20 Publications' is marked by (*).

(I) In Refereed Journals

- * (319) Sadeh, I., Feng, L.L., Lahav, O., 2015. "Gravitational redshift of galaxies in clusters from the Sloan Digital Sky Survey and from the Baryon Oscillation Spectroscopic Survey", PRL, 114, 071103
- (318) Sadeh, I., Abdalla, F., Lahav, O., 2015, "ANNZ2: Photometric redshift and probability density function estimation using machine learning methods", arXiv:1507.05909
- * (317) The DES Collaboration, 2015. "Cosmology from Cosmic Shear with DES Science Verification data", arXiv:1507.05552
- (316) Chang, C. & the DES collaboration, 2015. "Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data", PRL, 115, 1301
- (315) Vikram, V. & DES collaboration, 2015. "Wide-field lensing mass maps from DES Science Verification data: methodologies and detailed analysis", PRD, 92, 2006
- (314) Jouvel, S. & DES collaboration, 2015. "Photometric redshifts and clustering of emission line galaxies selected jointly by DES and eBOSS", arXiv:1509.07121
- (313) Camparat, J. & DES collaboration,2015. "The SDSS-IV eBOSS emission-line galaxy pilot survey", arXiV:1509.05045
- (312) Li, T.S. & DES collaboration, 2015. "Discovery of a Stellar Overdensity in Eridanus-Phoenix in the Dark Energy Survey", arXiv: 1509.04296

- (311) Balbinot, E. & DES collaboration, 2015. "The Phoenix stream: a cold stream in the Southern hemisphere", arXiv:1509.04283
- (310) Luque, E. & DES collaboration. 2015. "Digging deeper into the Southern skies: a compact Milky-Way companion discovered in first-year Dark Energy Survey data", arXiv:1508.02381
- (309) Angello, A. & DES collaboration 2015. "Discovery of two gravitationally lensed quasars in the Dark Energy Survey", arXiv: 1508.01203
- (308) Suchyta, E. & DES collaboration, 2015. "No galaxy left behind: accurate measurements with the faintest objects in the Dark Energy Survey", arXiv:150708336
- (307) Bonnett, C. & DES collaboration, 2015. "Redshift distributions of galaxies in the DES Science Verification shear catalogue and implications for weak lensing", arXiv:1507.05909
- (306) Leistedt, B. & DES collaboration, 2015. "Mapping and simulating systematics due to spatially-varying observing conditions in DES Science Verification data", arXiv:1507.05647
- (305) Jarvis, M. & DES collaboration, 2015. "The DES Science Verification Weak Lensing Shear Catalogs", arXiv:1507.05603
- (304) Becker, M.R. & DES collaboration, 2015. "Cosmic Shear Measurements with DES Science Verification Data", arXiv:1507.05598
- (303) Giannantonio, T. & DES collaboration, 2015. "CMB lensing tomography with the DES Science Verification galaxies", arXiv:1507.0555
- (302) Rozo, E. & DES collaboration. 2015. "redMaGiC: Selecting Luminous Red Galaxies from the DES Science Verification Data", arXiv:1507.0546
- (301) Crocce, M. & DES collaboration, 2015. "Galaxy clustering, photometric redshifts and diagnosis of systematics in the DES Science Verification data", arXiv:1507.05360
- (300) Gerdes, D.W. & DES collaboration, 2015. "Observation of Two New L4 Neptune Trojans in the Dark Energy Survey Supernova Fields", arXiv:1507.05360
- (299) Gruen, D. & DES collaboration, 2015. "Weak lensing by galaxy troughs in DES Science Verification data", arXiv: 1507.05090

- (298) Reed, S. L & DES collaboration, 2015. "DES J0454-4448: Discovery of the First Luminous z > 6 Quasar from the Dark Energy Survey", arXiv:1504.0326
- (297) Fang, Y. & DES collaboration, 2015. "QzDES multi=fibre spectroscopy for DES: first-year operation and results", MNRAS, 452, 3047
- (296) Saro, A.& DES collaboration, 2015. "Constraints on the Richness-Mass Relation and the Optical-SZE Positional Offset Distribution for SZE-Selected Clusters", arXiv:1506.07814
- (295) Poci, A. & DES collaboration, 2015. "DESAlert: enabling real-time transient follow-up with DES data", submitted to PASA, arXiv;1504.02996
- (294) Zhang, Y. & DES collaboraton, 2015. "Galaxies in X-ray selected clusters and groups in DES data: stellar mass growth of Bright Central Galaxies since z=1.2", arXiv: 1504.02983
- (293) Goldstein, D.A. & DES collaboration, 2015. "Automated transient identification in the Dark Energy Survey", AJ, 150, 82
- (292) Flaugher, B. & DES collaboration, 2015. "The Dark Energy Camera", arXiv:1504.02983
- (291) Simon, J.D. & DES collaboraton), 2015. "stellar kinematics and metallicities in the ultra-faint dwarf galaxy Reticulum II", ApJ, 870, 50
- (290) Drlica-Wagner A. and DES collaboration, 2015. "Search for Gamma-ray emission from DES dwarf spheroidal galaxy candidates with Fermi-LAT data", ApJ, 809, L4.
- (289) Bechtol, K. & DES collaboration, 2015. "Eight new Milky Way companions discovered in first-year Dark Energy Survey data", ApJ, 807, 95
- (288) Balbinot, E. & DES collaboration, 2015. "The LMC geometry and outer stellar populations from early DES data", MNRAS, in press.
- (287) Papadopoulos, A. & DES collaboration, 2015., "DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey", MNRAS, in press
- *(286) Banerji, M., Jouvel, S., Lin, H., McMahon, R.G., Lahav, O. & DES team (incl OL), 2014. "Combining Dark Energy Survey Science Verification Data with Near Infrared Data from the ESO VISTA Hemisphere Survey", MNRAS, 446, 2523

- (285) Sanchez, C. & the DES team (incl. OL), 2014. "Photometric redshift analysis in the Dark Energy Survey Science Verification data", MNRAS, 445, 1482
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- (283) Clerkin, L, Kirk, D., Lahav, O., Abdalla, F.B., Gaztanaga, E., 2015. "A prescription for galaxy biasing evolution as a nuisance parameter", MNRAS, 448, 1389
- (282) Melchior, P. & DES team (incl. OL), 2014. "Mass and galaxy distributions of four massive galaxy clusters from Dark Energy Survey Science Verification data", MNRAS, 449, 2219
- (281) Grillo, C. & CLASH team (incl. OL), 2014. "CLASH: Extending galaxy strong lensing to small physical scales with distant sources highly magnified by galaxy cluster members", 2014, ApJ, 786, 11
- (280) Patel, B. & CLASH team (incl. OL), 2014. "Three gravitationally lensed supernovae behind CLASH galaxy clusters", ApJ, 786, 9
- (279) Agarwal, S., Abdalla, F.B., Feldman, H., Lahav, O., Thomas, S., 2014. "PkANN-II. A non-linear matter power spectrum interpolator developed using artificial neutral networks", MNRAS, 439, 2102
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- (277) Merten, J. & CLASH team (incl. OL), 2015. "CLASH: the concentration-mass relationship of galaxy clusters", ApJ, 806, 4
- (276) Partridge, C., Lahav, O. & Hoffman, Y., 2013, "Weighing the Local Group in the Presence of Dark Energy", MNRAS (Letters), 436, 45
- (275) Soumagnac, M.T., Abdalla, F.B., Lahav, O. et al., 2015, "Star/Galaxy Separation at Faint Magnitudes: Application to a Simulated Dark Energy Survey", MNRAS, 450, 666
- (274) Kirk, D., Lahav, O., Bridle, S., Jouvel, S., Abdall, F.B. & Frieman, J. A., 2015, "Optimising Spectroscopic and Photometric Galaxy Surveys: Same-sky Benefits for Dark Energy and Modified Gravity", MNRAS, 451, 4424
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- (268) Lemze, D. and CLASH team (incl. OL), 2013. "The Contribution of Halos with Different Mass Ratios to the Overall Growth of Cluster-Sized Halos", ApJ, 776, 91
- (267) Smit, R. and CLASH team (incl. OL), 2013. "Evidence for Ubiquitous, High-EW Nebular Emission in z 7 Galaxies: Towards a Clean Measurement of the Specific Star Formation Rate using a Sample of Bright, Magnified Galaxies", ApJ, 784, 58
- (266) Medezinski, E. and CLASH team (incl. OL), 2013. "CLASH: Complete Lensing Analysis of the Largest Cosmic Lens MACS J0717.5+3745 and Surrounding Structures", ApJ, 777, 43
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- (260) Agarwal, S., Abdalla, F.B.; Feldman, H.A.; Lahav, O.; Thomas, S. A., 2012 "PkANN I: Non-Linear Matter Power Spectrum Estimation through Artificial Neural Networks" MNRAS, 424, 1409
- (259) Umetsu, K. and CLASH team (incl. OL), 2012, "CLASH: Mass Distribution in and around MACS J1206.2-0847 from a Full Cluster Lensing Analysis", ApJ, 755, 56
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- (255)Huchra, J.P. et al. (incl. OL), 2012, "The 2MASS Redshift Survey Description and Data Release", submitted to ApJ Supp, 199, 26
- (254) Zitrin, A. and CLASH team (incl. OL), 2012, "CLASH: New Multiple-Images Constraining the Inner Mass Profile of MACS J1206.2-0847", submitted to ApJ, 749,
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- (245) Rogers, B. Ferreras, I., Pasquali, A., Bernardi, M., Lahav, O. Kaviraj, S., 2010, "The role of environment on the formation of early-type galaxies", MNRAS, 405, 329
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- (233) Kiakotou, A., Elgaroy, O.; Lahav, O., 2008. "Neutrino Mass, Dark Energy, and the Linear Growth Factor", Phys. Rev. D, 77, 063005
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- (210) Jones, H. & the 6dFGS team (incl. OL), 2004. "The 6dF Galaxy Survey: Samples, Observational Techniques and the First Data Release" MNRAS, 355, 747 (astroph/0403501).
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