Publications RENOIR – 05 Mar 2026

article

2026

1. Euclid: An emulator for baryonic effects on the matter bispectrum, P. A. Burger *et al.*, Euclid Collaboration, Astron. Astrophys. 705 (2026) A170

2. Euclid: Early Release Observations. A combined strong and weak lensing solution for Abell 2390 beyond its virial radius, J. M. Diego *et al.*, Euclid Collaboration, Astron. Astrophys. 706 (2026) A83

3. Black Hole Spectroscopy and Tests of General Relativity with GW250114, A. G. Abac *et al.*, Phys. Rev. Lett 136 (2026) 041403

4. Euclid: Methodology for derivation of IPC-corrected conversion gain of nonlinear CMOS APS, J. Le Graet *et al.*, Euclid Collaboration, Astron. Astrophys. 705 (2026) A138

5. Euclid preparation: LXXXVII. Non-Gaussianity of 2-point statistics likelihood: Precise analysis of the matter power spectrum distribution, J. Bel *et al.*, Euclid Collaboration, Astron. Astrophys. (2026)

6. Nouvelle ère d'observation en cosmologie avec les relevés DESI et Euclid, N. Palanque-Delabrouille *et al.*, Reflets phys. 83 (2026) 11-15

2025

1. Characterization of contaminants in the Lyman-alpha forest auto-correlation with DESI, J. Guy *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 01 (2025)

2. A Parameter-Masked Mock Data Challenge for Beyond-Two-Point Galaxy Clustering Statistics, E. Krause *et al.*, Euclid Collaboration, Astrophys. J 990 (2025) 99

3. Euclid preparation - LIV. Sensitivity to neutrino parameters, M. Archidiacono *et al.*, Euclid Collaboration, Astron. Astrophys. 693 (2025) A58

4. Validation of the DESI 2024 Lyman Alpha Forest BAL Masking Strategy, P. Martini *et al.*, J. Cosmol. Astropart. P 01 (2025)

5. Euclid. I. Overview of the Euclid mission, Y. Mellier *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

6. Euclid. III. The NISP Instrument, K. Jahnke *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A3

7. Euclid preparation. LVIII. Detecting globular clusters in the Euclid survey, K. Voggel *et al.*, Euclid Collaboration, Astron. Astrophys. 693 (2025) A251

8. Euclid. V. The Flagship galaxy mock catalogue: a comprehensive simulation for the Euclid mission, F. J. Castander *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A5

9. Euclid: Early Release Observations – A glance at free- floating new-born planets in the sigma Orionis cluster, E. L. Martín *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A7

10. Euclid: Early Release Observations – Deep anatomy of nearby galaxies, L. K. Hunt *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A9

11. Euclid: Early Release Observations – Dwarf galaxies in the Perseus galaxy cluster, F. R. Marleau *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A12

12. Euclid: Early Release Observations – NISP-only sources and the search for luminous ???? = 6– 8 galaxies, J. R. Weaver *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A16

13. Euclid: Early Release Observations – The intracluster light and intracluster globular clusters of the Perseus cluster, M. Kluge *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A13

14. Euclid: Early Release Observations – Unveiling the morphology of two Milky Way globular clusters out to their periphery, D. Massari *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A8

15. Euclid: Early Release Observations – Programme overview and pipeline for compact- and diffuse-emission photometry, J.-C. Cuillandre *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A6

16. Euclid. IV. The NISP Calibration Unit, F. Hormuth *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A4

17. Euclid: Early Release Observations – A preview of the Euclid era through a galaxy cluster magnifying lens, H. Atek *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A15

18. Euclid: Early Release Observations – Overview of the Perseus cluster and analysis of its luminosity and stellar mass functions, J.-C. Cuillandre *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A11

19. Euclid: Early Release Observations – Globular clusters in the Fornax galaxy cluster, from dwarf galaxies to the intracluster field, T. Saifollahi *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A10

20. Euclid preparation. LVII. Observational expectations for redshift z¡7 active galactic nuclei in the Euclid Wide and Deep surveys, M. Selwood *et al.*, Euclid Collaboration, Astron. Astrophys. 693 (2025) A250

21. ZTF SN Ia DR2: Environmental dependencies of stretch and luminosity of a volume limited sample of 1,000 Type Ia Supernovae, M. Ginolin *et al.*, ZTF Collaboration, Astron. Astrophys. 695 (2025) A140

22. ZTF SN Ia DR2: Impact of the galaxy cluster environment on the stretch distribution of Type Ia supernovae, F. Ruppin *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A6

23. ZTF SN Ia DR2: Colour standardisation of Type Ia Supernovae and its dependence on environment, M. Ginolin *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A4

24. ZTF SN Ia DR2: Study of Type Ia Supernova lightcurve fits, M. Rigault *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A2

25. ZTF SN Ia DR2: Evidence of Changing Dust Distributions With Redshift Using Type Ia Supernovae, B. Popovic *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A5

26. ZTF SN Ia DR2: Exploring SN Ia properties in the vicinity of under-dense environments, M. Aubert *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A7

27. Euclid preparation. LVI. Sensitivity to non-standard particle dark matter model, J. Lesgourgues *et al.*, Euclid Collaboration, Astron. Astrophys. 693 (2025) A249

28. ZTF SN Ia DR2: The secondary maximum in Type Ia supernovae, M. Deckers *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A12

29. Euclid and KiDS-1000: Quantifying the impact of source-lens clustering on cosmic shear analyses, L. Linke *et al.*, Euclid Collaboration, Astron. Astrophys. 693 (2025) A210

30. Euclid preparation - LV. Exploring the properties of proto- clusters in the Simulated Euclid Wide Survey, H. Böhringer *et al.*, Euclid Collaboration, Astron. Astrophys. 693 (2025) A59

31. Euclid Preparation. Cosmic Dawn Survey: Data release 1 multiwavelength catalogues for Euclid Deep Field North and Euclid Deep Field Fornax, L. Zalesky *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A229

32. Euclid preparation. LXIV. The Cosmic Dawn Survey (DAWN) of the Euclid Deep and Auxiliary Fields, C. J. R. McPartland *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A259

33. Euclid: The Early Release Observations Lens Search Experiment, J. A. Acevedo Barroso *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A14

34. Euclid preparation. LIX. Angular power spectra from discrete observations, N. Tessore *et al.*, Euclid Collaboration, Astron. Astrophys. 694 (2025) A141

35. Euclid preparation: Determining the weak lensing mass accuracy and precision for galaxy clusters, L. Ingoglia *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A280

36. Euclid preparation LXIII. Simulations and nonlinearities beyond ΛCDM. 2. Results from non-standard simulations, G. Rácz *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A232

37. Euclid preparation. Simulations and nonlinearities beyond ΛCDM. 1. Numerical methods and validation, J. Adamek *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A230

38. ZTF SN Ia DR2: Overview, M. Rigault *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A1

39. ZTF SN Ia DR2: Simulations and volume limited sample, M. Amenouche *et al.*, ZTF Collaboration, Astron. Astrophys. 694 (2025) A3

40. Euclid preparation. LXVII. Deep learning true galaxy morphologies for weak lensing shear bias calibration, B. Csizi *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A283

41. Euclid preparation. LXIX. The impact of relativistic redshift-space distortions on two-point clustering statistics from the Euclid wide spectroscopic survey, M. Y. Elkhashab *et al.*, Euclid Collaboration, Astron. Astrophys. 697 (2025) A85

42. Euclid: Relativistic effects in the dipole of the 2-point correlation function, F. Lepori *et al.*, Euclid Collaboration, Astron. Astrophys. 694 (2025) A321

43. Cosmology with voids from the Nancy Grace Roman Space Telescope, G. Verza *et al.*, Astrophys. J 993 (2025) 227

44. StarDICE III: Characterization of the photometric instrument with a Collimated Beam Projector, T. Souverin *et al.*, RASTI 4 (2025) rzaf010

45. DESI 2024 V: Full-Shape Galaxy Clustering from Galaxies and Quasars, A. G. Adame *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 09 (2025) 008

46. DESI 2024 II: Sample Definitions, Characteristics, and Two- point Clustering Statistics, A. G. Adame *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 07 (2025) 017

47. DESI 2024 VII: Cosmological Constraints from the Full-Shape Modeling of Clustering Measurements, A. G. Adame *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 07 (2025) 028

48. Euclid: Searches for strong gravitational lenses using convolutional neural nets in Early Release Observations of the Perseus field, R. Pearce-Casey *et al.*, Euclid Collaboration, Astron. Astrophys. 696 (2025) A214

49. Euclid preparation: LXVI. The impact of line-of-sight projections on the covariance between galaxy cluster multi- wavelength observable properties – insights from hydrodynamic simulations, A. Ragagnin *et al.*, Euclid Collaboration, Astron. Astrophys. 695 (2025) A282

50. The imprint of cosmic voids from the DESI Legacy Survey DR9 LRGs in the Planck 2018 lensing map through spectroscopically calibrated mocks, S. Sartori *et al.*, DESI Collaboration, Astron. Astrophys. 700 (2025) A17

51. Euclid: Early Release Observations of diffuse stellar structures and globular clusters as probes of the mass assembly of galaxies in the Dorado group, M. Urbano *et al.*, Euclid Collaboration, Astron. Astrophys. 700 (2025) A104

52. Euclid: Detecting Solar System objects in Euclid images and classifying them using Kohonen self-organising maps, A. A. Nucita *et al.*, Astron. Astrophys. 694 (2025) A116

53. Cosmological inference including massive neutrinos from the matter power spectrum: biases induced by uncertainties in the covariance matrix, S. Gouyou Beauchamps *et al.*, Astron. Astrophys. 693 (2025) A226

54. Comparing the DES-SN5YR and Pantheon+ SN cosmology analyses: Investigation based on "Evolving Dark Energy or Supernovae systematics?", M. Vincenzi *et al.*, DES Collaboration, Mon. Not. Roy. Astron. Soc 541 (2025) 2585-2593

55. Euclid preparation LX. The use of HST images as input for weak-lensing image simulations, D. Scognamiglio *et al.*, Euclid Collaboration, Astron. Astrophys. 694 (2025) A262

56. Euclid preparation. LXVIII. Extracting physical parameters from galaxies with machine learning, I. Kovačić *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

57. Euclid preparation. . LXXII. 3-dimensional galaxy clustering in configuration space. Part I. 2-point correlation function estimation, S. de la Torre *et al.*, Euclid Collaboration, Astron. Astrophys. 700 (2025) A78

58. Validation of the DESI 2024 Lyα forest BAO analysis using synthetic datasets, A. Cuceu *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 01 (2025) 148

59. DESI 2024 IV: Baryon Acoustic Oscillations from the Lyman Alpha Forest, A. G. Adame *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 01 (2025) 124

60. Synthetic spectra for Lyman-α forest analysis in the Dark Energy Spectroscopic Instrument, Herrera-Alcantar, Hiram K. *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 01 (2025) 141

61. Impact of Systematic Redshift Errors on the Cross- correlation of the Lyman-α Forest with Quasars at Small Scales Using DESI Early Data, Bault, Abby *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 01 (2025) 130

62. The Construction of Large-scale Structure Catalogs for the Dark Energy Spectroscopic Instrument, A. J. Ross *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 01 (2025) 125

63. Euclid: A complete Einstein ring in NGC 6505, C. M. O'Riordan *et al.*, Euclid Collaboration, Astron. Astrophys. 694 (2025) A145

64. Euclid: Finding strong gravitational lenses in the Early Release Observations using convolutional neural networks, B. C. Nagam *et al.*, Euclid Collaboration, Astron. Astrophys. 702 (2025) A130

65. Identifying Quasars from the DESI Bright Galaxy Survey, S. Juneau *et al.*, DESI Collaboration, Astron. J. 169 (2025) 157

66. Much Ado About Nothing: Galaxy Formation and Galactic Outflows in Cosmic Voids, Pan, Yue *et al.*, Mon. Not. Roy. Astron. Soc 541 (2025) 2016-2035

67. Euclid: Early Release Observations – The Intracluster Light of Abell 2390, Ellien, A. *et al.*, Euclid Collaboration, Astron. Astrophys. 698 (2025) A134

68. In Search of the Potentially Hazardous Asteroids in the Taurid Resonant Swarm, Li, Jasmine *et al.*, Planet. Sci. J. 6 (2025) 94

69. Inferring astrophysics and cosmology with individual compact binary coalescences and their gravitational-wave stochastic background, S. Ferraiuolo *et al.*, Astron. Astrophys. 701 (2025) A36

70. Euclid Quick Data Release (Q1): From spectrograms to spectra: the SIR spectroscopic Processing Function, Y. Copin *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

71. Euclid Quick Data Release (Q1). First Euclid statistical study of the active galactic nuclei contribution fraction, B. Margalef-Bentabol *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

72. Euclid Quick Data Release (Q1). Extending the quest for little red dots to z¡4, L. Bisigello *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

73. Euclid Quick Data Release (Q1). A probabilistic classification of quenched galaxies, P. Corcho-Caballero *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

74. Euclid: Star clusters in IC 342, NGC 2403, and Holmberg II, S. S. Larsen *et al.*, Euclid Collaboration, Astron. Astrophys. 703 (2025) A113

75. Euclid: Star clusters in IC 342, NGC 2403, and Holmberg II, S. S. Larsen *et al.*, Euclid Collaboration, Astron. Astrophys. 703 (2025) A113

76. Euclid preparation LXX. Forecasting detection limits for intracluster light in the Euclid Wide Survey, C. Bellhouse *et al.*, Euclid Collaboration, Astron. Astrophys. 698 (2025) A14

77. Euclid Quick Data Release (Q1). First detections from the galaxy cluster workflow, S. Bhargava *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

78. The CosmoVerse White Paper: Addressing observational tensions in cosmology with systematics and fundamental physics, E. Di Valentino *et al.*, Euclid Collaboration, Phys. Dark Univ. 49 (2025) 101965

79. Smooth sailing or ragged climb? – Increasing the robustness of power spectrum de-wiggling and ShapeFit parameter compression, K. Ghaemi *et al.*, J. Cosmol. Astropart. P 11 (2025) 029

80. Euclid preparation. LXXV. Estimating galaxy physical properties using CatBoost chained regressors with attention, A. Humphrey *et al.*, Euclid Collaboration, Astron. Astrophys. 702 (2025) A74

81. An Agnostic Approach to Building Empirical Type Ia Supernova Light Curves: Evidence for Intrinsic Chromatic Flux Variation Using Nearby Supernova Factory Data, J. Hand *et al.*, Nearby Supernova Factory Collaboration, Astrophys. J 982 (2025) 110

82. Euclid: Photometric redshift calibration with the clustering redshifts technique, W. d'Assignies Doumerg *et al.*, Euclid Collaboration, Astron. Astrophys. 702 (2025) A155

83. Type Ia supernova growth-rate measurement with LSST simulations: intrinsic scatter systematics, B. Carreres *et al.*, LSST Dark Energy Science Collaboration, Astrophys. J 994 (2025) 178

84. Euclid preparation LXXI. Simulations and nonlinearities beyond CDM. 3. Constraints on $f(R)$ models from the photometric primary probes, K. Koyama *et al.*, Euclid Collaboration, Astron. Astrophys. 698 (2025) A233

85. Euclid: Early Release Observations of ram-pressure stripping in the Perseus cluster. Detection of parsec scale star formation with in the low surface brightness stripped tails of UGC 2665 and MCG +07-07-070, K. George *et al.*, Euclid Collaboration, Astron. Astrophys. 701 (2025) A40

86. Euclid: Early Release Observations – The surface brightness and colour profiles of the far outskirts of galaxies in the Perseus cluster, M. Mondelin *et al.*, Euclid Collaboration, Astron. Astrophys. 699 (2025) A214

87. Euclid Quick Data Release (Q1). The Strong Lensing Discovery Engine C: Finding lenses with machine learning, N. E. P. Lines *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

88. Forecast for growth-rate measurement using peculiar velocities from LSST supernovae, D. Rosselli *et al.*, LSST Dark Energy Science Collaboration, Astron. Astrophys. 701 (2025) A119

89. GW231123: a Binary Black Hole Merger with Total Mass 190-265 $M_{\odot}$, A. G. Abac *et al.*, Astrophys. J. Lett 993 (2025) L25

90. All-sky search for long-duration gravitational-wave transients in the first part of the fourth LIGO-Virgo-KAGRA Observing run, A. G. Abac *et al.*, Phys. Rev. D (2025)

91. All-sky search for short gravitational-wave bursts in the first part of the fourth LIGO-Virgo-KAGRA observing run, A. G. Abac *et al.*, Phys. Rev. D 112 (2025) 102005

92. Euclid preparation. Simulating thousands of Euclid spectroscopic skies, P. Monaco *et al.*, Euclid Collaboration, Astron. Astrophys. 704 (2025) A306

93. Enabling Early Transient Discovery in LSST via Difference Imaging with DECam, Y. Dong *et al.*, Astrophys. J. Lett 994 (2025) L8

94. Euclid preparation. LXXIII. Spatially resolved stellar populations of local galaxies with Euclid: a proof of concept using synthetic images with the TNG50 simulation, Abdurro'uf Abdurro'u *et al.*, Euclid Collaboration, Astron. Astrophys. 702 (2025) A72

95. Euclid Quick Data Release (Q1). Active galactic nuclei identification using diffusion-based inpainting of Euclid VIS images, G. Stevens *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

96. GWTC-4.0: An Introduction to Version 4.0 of the Gravitational-Wave Transient Catalog, A. G. Abac *et al.*, Astrophys. J. Lett 995 (2025) L18

97. *Euclid*: the potential of slitless infrared spectroscopy: a $z = 5.4$ quasar and new ultracool dwarfs, E. Bañados *et al.*, Euclid Collaboration, Mon. Not. Roy. Astron. Soc 542 (2025) 1088-1102

98. Euclid preparation. LXXIV. Euclidised observations of Hubble Frontier Fields and CLASH galaxy clusters, P. Bergamini *et al.*, Euclid Collaboration, Astron. Astrophys. 702 (2025) A73

99. Euclid: Early Release Observations – Interplay between dwarf galaxies and their globular clusters in the Perseus galaxy cluster, T. Saifollahi *et al.*, Euclid Collaboration, Astron. Astrophys. 703 (2025) A184

100. Euclid Quick Data Release (Q1). First Euclid statistical study of galaxy mergers and their connection to active galactic nuclei, A. La Marca *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

101. Thermal Sunyaev-Zel'dovich effect at the core of CL J1226.9+3332 revealed by NOEMA, M. Muñoz-Echeverría *et al.*, Astron. Astrophys. 702 (2025) A275

102. Euclid preparation. LXXXV. Toward a DR1 application of higher-order weak lensing statistics, S. Vinciguerra *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

103. Euclid preparation: The flat-sky approximation for the clustering of Euclid's photometric galaxies, W. L. Matthewson *et al.*, Euclid Collaboration, Astron. Astrophys. (2025)

104. GW241011 and GW241110: Exploring Binary Formation and Fundamental Physics with Asymmetric, High-Spin Black Hole Coalescence, A. G. Abac *et al.*, Astrophys. J. Lett 993 (2025) L21

2024

1. Euclid preparation: XXXV. Covariance model validation for the 2-point correlation function of galaxy clusters, A. Fumagalli *et al.*, Euclid Collaboration, Astron. Astrophys. 683 (2024) A253

2. Euclid preparation: XXXII. Evaluating the weak lensing cluster mass biases using the Three Hundred Project hydrodynamical simulations, C. Giocoli *et al.*, Euclid Collaboration, Astron. Astrophys. 676 (2024) A67

3. Euclid: Validation of the MontePython forecasting tools, S. Casas *et al.*, Euclid Collaboration, Astron. Astrophys. 682 (2024) A90

4. SNIa Detection Analysis Results from Real and Simulated Images Using Specialized Software, J. P. Reyes *et al.*, Rev.Mex.Astron.Astrofis. 60 (2024) 125-140

5. The Early Data Release of the Dark Energy Spectroscopic Instrument, G. Adame *et al.*, DESI Collaboration, Astron. J. 168 (2024) 58

6. The Lyman-α forest catalogue from the Dark Energy Spectroscopic Instrument Early Data Release, C. Ramirez-Perez *et al.*, DESI Collaboration, Mon. Not. Roy. Astron. Soc 528 (2024) 6666-6679

7. Validation of the Scientific Program for the Dark Energy Spectroscopic Instrument, A. G. Adame *et al.*, DESI Collaboration, Astron. J. 167 (2024) 62

8. Optimal 1D Lyα Forest Power Spectrum Estimation – III. DESI early data, N. G. Karaçaylı *et al.*, DESI Collaboration, Mon. Not. Roy. Astron. Soc 528 (2024) 3941-3963

9. Euclid: Constraining linearly scale-independent modifications of gravity with the spectroscopic and photometric primary probes, N. Frusciante *et al.*, Euclid Collaboration, Astron. Astrophys. 690 (2024) A133

10. Euclid preparation: XXXIII. Characterization of convolutional neural networks for the identification of galaxy- galaxy strong-lensing events, L. Leuzzi *et al.*, Euclid Collaboration, Astron. Astrophys. 681 (2024) A68

11. Euclid preparation. XXXIV. The effect of linear redshift- space distortions in photometric galaxy clustering and its cross- correlation with cosmic shear, K. Tanidis *et al.*, Euclid Collaboration, Astron. Astrophys. 683 (2024) A17

12. Broad Absorption Line Quasars in the Dark Energy Spectroscopic Instrument Early Data Release, S. Filbert *et al.*, Mon. Not. Roy. Astron. Soc 532 (2024) 3669-3681

13. Amalgame: Cosmological Constraints from the First Combined Photometric Supernova Sample, B. Popovic *et al.*, Mon. Not. Roy. Astron. Soc 529 (2024) 2100-2115

14. Euclid: The search for primordial feature, M. Ballardini *et al.*, Euclid Collaboration, Astron. Astrophys. 683 (2024) A220

15. Measurement of the small-scale 3D Lyman-α forest power spectrum, M. L. A. Karim *et al.*, J. Cosmol. Astropart. P 05 (2024) 088

16. Euclid preparation: XXXI. The effect of the variations in photometric passbands on photometric-redshift accuracy, S. Paltani *et al.*, Euclid Collaboration, Astron. Astrophys. 681 (2024) A66

17. Euclid preparation. LII. Forecast impact of super-sample covariance on 3x2pt analysis with Euclid, D. Sciotti *et al.*, Euclid Collaboration, Astron. Astrophys. 691 (2024) A318

18. Euclid Preparation. TBD. Impact of magnification on spectroscopic galaxy clustering, G. Jelic-Cizmek *et al.*, Euclid Collaboration, Astron. Astrophys. 685 (2024) A167

19. Galaxy clustering multi-scale emulation, T. Dumerchat *et al.*, Astron. Astrophys. 684 (2024) A57

20. Euclid preparation - XXXVIII. Spectroscopy of active galactic nuclei with NISP, E. Lusso *et al.*, Euclid Collaboration, Astron. Astrophys. 685 (2024) A108

21. Euclid preparation. XLIV. Modelling spectroscopic clustering on mildly nonlinear scales in beyond-ΛCDM models, B. Bose *et al.*, Euclid Collaboration, Astron. Astrophys. 689 (2024) A275

22. Towards cosmology with Void Lensing: how to find voids sensitive to weak-lensing and numerically interpret them, R. Boschetti *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 06 (2024) 067

23. Testing the LSST Difference Image Analysis Pipeline Using Synthetic Source Injection Analysis, S. Liu *et al.*, DES Collaboration, Astrophys. J 967 (2024) 10

24. Euclid Preparation. XXXVII. Galaxy colour selections with Euclid and ground photometry for cluster weak-lensing analyses, G. F. Lesci *et al.*, Euclid Collaboration, Astron. Astrophys. 684 (2024) A139

25. The Lemaître–Hubble diagram in axial Bianchi IX universes with comoving dust, G. Valent *et al.*, Classical Quant. Grav 41 (2024) 015034

26. Euclid preparation. TBD. Galaxy power spectrum modelling in real space, A. Pezzotta *et al.*, Euclid Collaboration, Astron. Astrophys. 687 (2024) A216

27. Panic at the ISCO: Time-varying Double-peaked Broad Lines from Evolving Accretion Disks Are Common among Optically Variable AGNs, Ward, Charlotte *et al.*, Astrophys. J 961 (2024) 172

28. Euclid preparation: XLVIII. The pre-launch Science Ground Segment simulation framework, S. Serrano *et al.*, Euclid Collaboration, Astron. Astrophys. 690 (2024)

29. The Dark Energy Survey Supernova Program: Cosmological Analysis and Systematic Uncertainties, M. Vincenzi *et al.*, DES Collaboration, Astrophys. J 975 (2024) 86

30. The Dark Energy Survey: Cosmology Results With 1500 New High-redshift Type Ia Supernovae Using The Full 5-year Dataset, T. M. C. Abbott *et al.*, DES Collaboration, Astrophys. J. Lett 973 (2024) L14

31. The Dark Energy Survey: Cosmology Results With 1500 New High-redshift Type Ia Supernovae Using The Full 5-year Dataset, T. M. C. Abbott *et al.*, DES Collaboration, Astrophys. J. Lett 973 (2024) L14

32. Euclid: Improving the efficiency of weak lensing shear bias calibration. Pixel noise cancellation and the response method on trial, H. Jansen *et al.*, Euclid Collaboration, Astron. Astrophys. 683 (2024) A240

33. Euclid preparation XLVI. The Near-IR Background Dipole Experiment with Euclid, A. Kashlinsky *et al.*, Euclid Collaboration, Astron. Astrophys. 689 (2024) A294

34. Euclid: Identifying the reddest high-redshift galaxies in the Euclid Deep Fields with gradient-boosted trees, T. Signor *et al.*, Euclid Collaboration, Astron. Astrophys. 685 (2024) A127

35. Recovered SN Ia rate from simulated LSST images, V. Petrecca *et al.*, LSST Dark Energy Science Collaboration, Astron. Astrophys. 686 (2024) A11

36. The Dark Energy Survey 5-year photometrically classified type Ia supernovae without host-galaxy redshifts, A. Möller *et al.*, DES Collaboration, Mon. Not. Roy. Astron. Soc 533 (2024) 2073-2088

37. Euclid: Testing photometric selection of emission-line galaxy targets, M. S. Cagliari *et al.*, Euclid Collaboration, Astron. Astrophys. 689 (2024) A166

38. Euclid preparation: XXVIII. Modelling of the weak lensing angular power spectrum, A. C. Deshpande *et al.*, Euclid Collaboration, Astron. Astrophys. 684 (2024) A138

39. High redshift LBGs from deep broadband imaging for future spectroscopic surveys, V. Ruhlmann-Kleider *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 08 (2024) 059

40. Observation of Gravitational Waves from the Coalescence of a $2.5 - 4.5\ M_\odot$ Compact Object and a Neutron Star, A. G. Abac *et al.*, Astrophys. J. Lett 970 (2024) L34

41. Euclid preparation. XLII. A unified catalogue-level reanalysis of weak lensing by galaxy clusters in five imaging surveys, M. Sereno *et al.*, Euclid Collaboration, Astron. Astrophys. 689 (2024) A252

42. Euclid preparation. Improving cosmological constraints using a new multi-tracer method with the spectroscopic and photometric samples, F. Dournac *et al.*, Euclid Collaboration, Astron. Astrophys. 690 (2024) A30

43. Results and Limits of Time Division Multiplexing for the BICEP Array High Frequency Receivers, Fatigoni, S. *et al.*, J. Low Temp. Phys 216 (2024) 29

44. Euclid preparation. LIII. LensMC, weak lensing cosmic shear measurement with forward modelling and Markov Chain Monte Carlo sampling, G. Congedo *et al.*, Euclid Collaboration, Astron. Astrophys. 691 (2024) A319

45. Cosmology from one galaxy in voids?, Wang, Bonny Y. *et al.*, Astrophys. J 970 (2024) L32

46. Mock data sets for the Eboss and DESI Lyman-α forest surveys, Etourneau, Thomas *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 05 (2024) 077

47. The Significance of Void Shape: Neutrino Mass from Voronoi Void-Halos?, Bayer, Adrian E. *et al.*, Phys. Rev. D 110 (2024) L061305

48. Euclid. II. The VIS Instrument, M. S. Cropper *et al.*, Euclid Collaboration, Astron. Astrophys. (2024)

49. CMB lensing and Ly forest cross bispectrum from DESI's first-year quasar sample, N. G. Karaçaylı *et al.*, DESI Collaboration, Phys. Rev. D 110 (2024) 063505

50. ZTF SN Ia DR2: Peculiar velocities impact on the Hubble diagram, B. Carreres *et al.*, ZTF Collaboration, Astron. Astrophys. (2024)

51. The Dark Energy Survey Supernova Program: Light curves and 5-Year data release, B. O. Sánchez *et al.*, DES Collaboration, Astrophys. J 975 (2024) 5

52. Modelling the impact of host galaxy dust on type Ia supernova distance measurements, B. Popovic *et al.*, DES Collaboration, Mon. Not. Roy. Astron. Soc 534 (2024) 2263-2276

53. The ACCEL^2 project: simulating Lyman-α forest in large-volume hydrodynamical simulations, S. Chabanier *et al.*, Mon. Not. Roy. Astron. Soc 534 (2024) 2674-2693

54. Euclid preparation. LI. Forecasting the recovery of galaxy physical properties and their relations with template-fitting and machine-learning methods, A. Enia *et al.*, Euclid Collaboration, Astron. Astrophys. 691 (2024) A175

55. Euclid preparation - XLIX. Selecting active galactic nuclei using observed colours, L. Bisigello *et al.*, Euclid Collaboration, Astron. Astrophys. 691 (2024) A1

56. Euclid preparation. XLIII. Measuring detailed galaxy morphologies for Euclid with Machine Learning, B. Aussel *et al.*, Euclid Collaboration, Astron. Astrophys. 689 (2024) A274

57. Euclid preparation. XLV. Optical emission-line predictions of intermediate-z galaxy populations in GAEA for the Euclid Deep and Wide Surveys, L. Scharré *et al.*, Euclid Collaboration, Astron. Astrophys. 689 (2024) A276

58. Euclid preparation. L. Calibration of the linear halo bias in $\Lambda(\nu)$CDM cosmologies, T. Castro *et al.*, Euclid Collaboration, Astron. Astrophys. 691 (2024) A62

59. Identification of Basins of Attraction in the Local Universe, Valade, A. *et al.*, Nature Astron. 8 (2024) 1610-1616

60. Untangling Stellar Components of Galaxies: Evaluation of Dynamical Decomposition Methods in Simulated Galaxies with GalaxyChop, Cristiani, Valeria A. *et al.*, Astron. Astrophys. 692 (2024) A63

61. A search using GEO600 for gravitational waves coincident with fast radio bursts from SGR 1935+2154, A. G. Abac *et al.*, Astrophys. J 977 (2024) 255

62. Euclid: High-precision imaging astrometry and photometry from Early Release Observations. I. Internal kinematics of NGC 6397 by combining Euclid and Gaia data, Libralato, M. *et al.*, Euclid Collaboration, Astron. Astrophys. 692 (2024) A96

63. Euclid: The r_b-M_* relation as a function of redshift. I. The $5 \times 10^9 M_\odot$ black hole in NGC 1272, Saglia, R. *et al.*, Euclid Collaboration, Astron. Astrophys. 692 (2024) A124

2023

1. Astrophysics with the Laser Interferometer Space Antenna, Amaro-Seoane, Pau *et al.*, LISA Collaboration, Living Rev.Rel. 26 (2023) 2.

2. Cosmology with the Laser Interferometer Space Antenna, P. Auclair *et al.*, LISA Collaboration, Living Rev.Rel. 26 (2023) 5

3. Euclid: Forecasts from the void-lensing cross-correlation, M. Bonici *et al.*, Euclid Collaboration, Astron. Astrophys. 670 (2023) A47

4. Euclid: Testing the Copernican principle with next- generation surveys, D. Camarena *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A68

5. Euclid preparation: XXII. Selection of Quiescent Galaxies from Mock Photometry using Machine Learning, A. Humphrey *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A99

6. Euclid preparation: XXIII. Derivation of galaxy physical properties with deep machine learning using mock fluxes and H-band images, L. Bisigello *et al.*, Euclid Collaboration, Mon. Not. Roy. Astron. Soc 520 (2023) 3529

7. Euclid preparation: XXIV. Calibration of the halo mass function in $\Lambda(\nu)$CDM cosmologies, Castro, T. *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A100

8. Euclid preparation: XXV. The Euclid Morphology Challenge – Towards model-fitting photometry for billions of galaxies, E. Merlin *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A101.

9. Euclid preparation: XXVI. The Euclid Morphology Challenge. Towards structural parameters for billions of galaxies, H. Bretonnière *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A102

10. Euclid preparation: XXVII. A UV-NIR spectral atlas of compact planetary nebulae for wavelength calibration, K. Paterson *et al.*, Euclid Collaboration, Astron. Astrophys. 674 (2023) A172

11. Euclid Preparation: XXVIII. Forecasts for ten different higher-order weak lensing statistics, V. Ajani *et al.*, Euclid Collaboration, Astron. Astrophys. 675 (2023) A120

12. Euclid preparation: XXIX. Water ice in spacecraft part I: The physics of ice formation and contamination, M. Schirmer *et al.*, Euclid Collaboration, Astron. Astrophys. 675 (2023) A142

13. Euclid preparation: XXX. Performance assessment of the NISP Red-Grism through spectroscopic simulations for the Wide and Deep surveys, L. Gabarra *et al.*, Euclid Collaboration, Astron. Astrophys. 676 (2023) A34

14. Void BAO measurements on quasars from eBOSS, A. Tamone *et al.*, Mon. Not. Roy. Astron. Soc 526 (2023) 2889-2902

15. The DESI Survey Validation: Results from Visual Inspection of Bright Galaxies, Luminous Red Galaxies, and Emission-line Galaxies, Lan, Ting-Wen *et al.*, DESI Collaboration, Astrophys. J 943 (2023) 68

16. Euclid: Calibrating photometric redshifts with spectroscopic cross-correlations, K. Naidoo *et al.*, Euclid Collaboration, Astron. Astrophys. 670 (2023) A149

17. SN 2020jgb: A Peculiar Type Ia Supernova Triggered by a Massive Helium-Shell Detonation in a Star-Forming Galaxy, C. Liu *et al.*, Astrophys. J 946 (2023) 83

18. The PAU Survey & Euclid: Improving broad-band photometric redshifts with multi-task learning, L. Cabayol *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A153

19. Efficient Computation of Super-Sample Covariance for Stage IV Galaxy Surveys, F. Lacasa *et al.*, Astron. Astrophys. 671 (2023) A115

20. BICEP/Keck XVI. Characterizing Dust Polarization through Correlations with Neutral Hydrogen, Ade, P.A. R. *et al.*, Astrophys. J 945 (2023) 72

21. Bump Morphology of the CMAGIC Diagram, L. Aldoroty *et al.*, SNFactory Collaboration, Astrophys. J 948 (2023) 10

22. BICEP/Keck XVII: Line of Sight Distortion Analysis: Estimates of Gravitational Lensing, Anisotropic Cosmic Birefringence, Patchy Reionization, and Systematic Errors, Ade, P.A.R. *et al.*, Astrophys. J 949 (2023) 43

23. Cosmic void exclusion models and their impact on the distance scale measurements from large-scale structure, A. Variu *et al.*, Mon. Not. Roy. Astron. Soc 521 (2023) 4731-4749

24. Euclid: Modelling massive neutrinos in cosmology – a code comparison, J. Adamek *et al.*, Euclid Collaboration, J. Cosmol. Astropart. P 6 (2023) 35

25. COVMOS: a new Monte Carlo approach for galaxy clustering analysis, P. Baratta *et al.*, Astron. Astrophys. 673 (2023) A1

26. Euclid: Cosmology forecasts from the void-galaxy cross- correlation function with reconstruction, S. Radinovic *et al.*, Euclid Collaboration, Astron. Astrophys. 677 (2023) A78

27. Data release of the AST3-2 automatic survey from Dome A, Antarctica, X. Yang *et al.*, Mon. Not. Roy. Astron. Soc 520 (2023) 5635-5650

28. Growth-rate measurement with type-Ia supernovae using ZTF survey simulations, B. Carreres *et al.*, ZTF Collaboration, Astron. Astrophys. 674 (2023) A197

29. DEMNUni: the imprint of massive neutrinos on the cross- correlation between cosmic voids and CMB lensing, P. Vielzeuf *et al.*, J. Cosmol. Astropart. P 08 (2023) 010

30. Astronomical image time series classification using CONVolutional attENTION (ConvEntion), A. Bairouk *et al.*, Astron. Astrophys. 673 (2023) A141

31. Performance of the Quasar Spectral Templates for the Dark Energy Spectroscopic Instrument, A. Brodzeller *et al.*, DESI Collaboration, Astron. J. 166 (2023) 66

32. The Dark Energy Spectroscopic Instrument: one-dimensional power spectrum from first Ly forest samples with Fast Fourier Transform, C. Ravoux *et al.*, DESI Collaboration, Mon. Not. Roy. Astron. Soc 526 (2023) 5118-5140

33. Cosmological Probes of Structure Growth and Tests of Gravity, J. Hou *et al.*, Universe 9 (2023) 302

34. 3D Correlations in the Lyman-α Forest from Early DESI Data, Gordon, Calum *et al.*, DESI Collaboration, J. Cosmol. Astropart. P 11 (2023) 045

35. CNN photometric redshifts in the SDSS at $r \leq 20$, M. Treyer *et al.*, Mon. Not. Roy. Astron. Soc 527 (2023) 651-671

36. Euclid: Identification of asteroid streaks in simulated images using deep learning, M. Pöntinen *et al.*, Euclid Collaboration, Astron. Astrophys. 679 (2023) A135

37. Magali Deleuil : « L'astrophysique, une passion depuis toujours ! », S. Escoffier *et al.*, Reflets phys. 76 (2023) 24-27

38. Euclid preparation - XXXIX. The effect of baryons on the Halo Mass Function, T. Castro *et al.*, Euclid Collaboration, Astron. Astrophys. 685 (2023) A109

2022

1. The Completed SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: Growth rate of structure measurement from cosmic voids, M. Aubert *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 513 (2022) 186

2. HI constraints from the cross-correlation of eBOSS galaxies and Green Bank Telescope intensity maps, Wolz, Laura *et al.*, Mon. Not. Roy. Astron. Soc 510 (2022) 3495–3511

3. Euclid preparation. XIII. Forecasts for galaxy morphology with the Euclid Survey using deep generative models, Bretonnière, H. *et al.*, Euclid Collaboration, Astron. Astrophys. 657 (2022) A90

4. Euclid preparation: XV. Forecasting cosmological constraints for the Euclid and CMB joint analysis, S. Ilić *et al.*, Euclid Collaboration, Astron. Astrophys. 657 (2022) A91

5. Cosmic Void Baryon Acoustic Oscillation Measurement: Evaluation of Sensitivity to Selection Effects, D. Forero-Sánchez *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 513 (2022) 5407

6. Euclid preparation. XVI. Exploring the ultra-low surface brightness Universe with Euclid/VIS, Borlaff, A.S. *et al.*, Euclid Collaboration, Astron. Astrophys. 657 (2022) A92

7. Euclid preparation: I. The Euclid Wide Survey, Scaramella, R. *et al.*, Euclid Collaboration, Astron. Astrophys. 662 (2022) A112

8. Euclid: Forecasts from redshift-space distortions and the Alcock-Paczynski test with cosmic voids, Hamaus, N. *et al.*, Euclid Collaboration, Astron. Astrophys. (2022)

9. Impact of survey geometry and super-sample covariance on future photometric galaxy surveys, S. Gouyou Beauchamps *et al.*, Astron. Astrophys. 659 (2022) A128

10. Euclid: Constraining ensemble photometric redshift distributions with stacked spectroscopy, Cagliari, M.S. *et al.*, Euclid Collaboration, Astron. Astrophys. 660 (2022) A9

11. On the maximum luminosities of normal stripped-envelope supernovae – brighter than explosion models allow, J. Sollerman *et al.*, Astron. Astrophys. 657 (2022) A64

12. The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from multi-tracer BAO analysis with galaxies and voids, C. Zhao *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 511 (2022) 5492

13. Euclid preparation: XIX. Impact of magnification on photometric galaxy clustering, Lepori, F. *et al.*, Euclid Collaboration, Astron. Astrophys. 662 (2022) A93

14. KiDS & Euclid: Cosmological implications of a pseudo angular power spectrum analysis of KiDS-1000 cosmic shear tomography, Loureiro, A. *et al.*, Euclid Collaboration, Astron. Astrophys. 665 (2022) A56

15. Angular systematics-free cosmological analysis of galaxy clustering in configuration space, R. Paviot *et al.*, Mon. Not. Roy. Astron. Soc 512 (2022) 1341-1356

16. Euclid: Forecast constraints on consistency tests of the CDM model, S. Nesseris *et al.*, Euclid Collaboration, Astron. Astrophys. 660 (2022) A67

17. Euclid preparation: XVII. Cosmic Dawn Survey: Spitzer Space Telescope observations of the Euclid deep fields and calibration fields, Moneti, Andrea *et al.*, Euclid Collaboration, Astron. Astrophys. 658 (2022) A126

18. SNIa-Cosmology Analysis Results from Simulated LSST Images: from Difference Imaging to Constraints on Dark Energy, B. Sánchez *et al.*, LSST Dark Energy Science Collaboration, Astrophys. J 934 (2022) 96

19. The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar and APOGEE-2 Data, Abdurro'uf *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 259 (2022) 35

20. Euclid: Covariance of weak lensing pseudo-C estimates - Calculation, comparison to simulations, and dependence on survey geometry, R. E. Upham *et al.*, Euclid Collaboration, Astron. Astrophys. 660 (2022) A114

21. Euclid preparation: XVIII. The NISP photometric system, M. Schirmer *et al.*, Euclid Collaboration, Astron. Astrophys. 662 (2022) A92

22. Model BOSS & eBOSS Luminous Red Galaxies at 0.2 ¡ z ¡ 1.0 using SubHalo Abundance Matching with 3 parameters, Yu, Jiaxi *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 516 (2022) 57

23. Dark Energy Survey Year 3 results: imprints of cosmic voids and superclusters in the Planck CMB lensing map, Kovács, A. *et al.*, indéfini 515 (2022) 4417-4429

24. Euclid: Searching for pair-instability supernovae with the Deep Survey, T. J. Moriya *et al.*, Euclid Collaboration, Astron. Astrophys. 666 (2022) A157

25. Tracing the environmental history of observed galaxies via extended fast action minimization method, E. Sarpa *et al.*, Mon. Not. Roy. Astron. Soc 516 (2022) 231-244

26. The detection efficiency of Type Ia supernovae from the Zwicky Transient Facility: limits on the intrinsic rate of early flux excesses, M. R. Magee *et al.*, Mon. Not. Roy. Astron. Soc 513 (2022) 3035-3049

27. Uniform Recalibration of Common Spectrophotometry Standard Stars onto the CALSPEC System using the SuperNova Integral Field Spectrograph, Rubin, David *et al.*, Nearby Supernova Factory Collaboration, Astrophys. J. Suppl. S 263 (2022) 1

28. New horizons for fundamental physics with LISA, K. G. Arun *et al.*, Living Rev.Rel. 25 (2022) 4

29. Euclid preparation: XXI. Intermediate-redshift contaminants in the search for z ¿ 6 galaxies within the Euclid Deep Survey, van Mierlo, S.E. *et al.*, Euclid Collaboration, Astron. Astrophys. 666 (2022) A200

30. The effect of quasar redshift errors on Lyman-α forest correlation functions, Youles, Samantha *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 516 (2022) 421

31. Overview of the Instrumentation for the Dark Energy Spectroscopic Instrument, B. Abareshi *et al.*, DESI Collaboration, Astron. J. 164 (2022) 207

32. Euclid: Cosmological forecasts from the void size function, S. Contarini *et al.*, Euclid Collaboration, Astron. Astrophys. 667 (2022) A162

33. Euclid: Fast two-point correlation function covariance through linear construction, E. Keihanen *et al.*, Euclid Collaboration, Astron. Astrophys. 666 (2022) A129

34. Euclid preparation: XX. The Complete Calibration of the Color-Redshift Relation survey: LBT observations and data release, R. Saglia *et al.*, Euclid Collaboration, Astron. Astrophys. 664 (2022) A196

35. Primordial non-Gaussianity from the completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey II: measurements in Fourier space with optimal weights, Mueller, Eva-Maria *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 514 (2022) 3396-3409

36. A Probabilistic Autoencoder for Type Ia Supernova Spectral Time Series, G. Stein *et al.*, Nearby Supernova Factory Collaboration, Astrophys. J 935 (2022) 5

37. SN 2020jgb: A Peculiar Type Ia Supernova Triggered by a Massive Helium-Shell Detonation in a Star-Forming Galaxy, C. Liu *et al.*, indéfini (2022)

38. Baryon acoustic oscillations from a joint analysis of the large-scale clustering in Fourier and configuration space, T. Dumerchat *et al.*, Astron. Astrophys. 667 (2022) A80

2021

1. The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: one thousand multi-tracer mock catalogues with redshift evolution and systematics for galaxies and quasars of the final data release, C. Zhao *et al.*, Mon. Not. Roy. Astron. Soc 503 (2021) 1149-1173

2. The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: N-body mock challenge for galaxy clustering measurements, G. Rossi *et al.*, Mon. Not. Roy. Astron. Soc 505 (2021) 377-407

3. The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: N-body mock challenge for the eBOSS Emission Line Galaxy sample, S. Alam *et al.*, Mon. Not. Roy. Astron. Soc 504 (2021) 4667.

4. Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory, S. Alam *et al.*, Phys. Rev. D 103 (2021) 083533

5. Fink, a new generation of broker for the LSST community, A. Möller *et al.*, Mon. Not. Roy. Astron. Soc 501 (2021) 3272-3288

6. Euclid preparation: IX. EuclidEmulator2 – power spectrum emulation with massive neutrinos and self-consistent dark energy perturbations, M. Knabenhans *et al.*, Euclid Collaboration, Mon. Not. Roy. Astron. Soc 505 (2021) 2840-2869

7. Euclid: Impact of non-linear and baryonic feedback prescriptions on cosmological parameter estimation from weak lensing cosmic shear, M. Martinelli *et al.*, Euclid Collaboration, Astron. Astrophys. 649 (2021) A100

8. BICEP/Keck XII: Constraints on axionlike polarization oscillations in the cosmic microwave background, P.A.R. Ade *et al.*, Phys. Rev. D 103 (2021) 042002

9. Euclid: Forecasts for k-cut 3×2 Point Statistics, P. L. Taylor *et al.*, Euclid Collaboration, The Open Journal of Astrophysics 4 (2021) 6.

10. Euclid preparation: XI. Mean redshift determination from galaxy redshift probabilities for cosmic shear tomography, O. Ilbert *et al.*, Euclid Collaboration, Astron. Astrophys. 647 (2021) A117

11. Gravitation and the Universe from large scale-structures: The GAUSS mission concept Mapping the cosmic web up to the reionization era, A. Blanchard *et al.*, Exper. Astron. 51 (2021) 1623-1640

12. Euclid: Effect of sample covariance on the number counts of galaxy clusters, A. Fumagalli *et al.*, Euclid Collaboration, Astron. Astrophys. 652 (2021) A21

13. Euclid preparation: XII. Optimizing the photometric sample of the Euclid survey for galaxy clustering and galaxy-galaxy lensing analyses, A. Pocino *et al.*, Euclid Collaboration, Astron. Astrophys. 655 (2021) A44

14. Euclid: Estimation of the Impact of Correlated Readout Noise for Flux Measurements with the Euclid NISP Instrument, A. Jiménez Muñoz *et al.*, Euclid Collaboration, Publ. Astron. Soc. Pac 133 (2021) 094502

15. Euclid preparation: XIII. Forecasts for galaxy morphology with the Euclid Survey using Deep Generative Models, H. Bretonnière *et al.*, Euclid Collaboration, Astron. Astrophys. 657 (2021) A90

16. The Twins Embedding of Type Ia Supernovae I: The Diversity of Spectra at Maximum Light, K. Boone *et al.*, Nearby Supernova Factory Collaboration, Astrophys. J 912 (2021) 70

17. The Twins Embedding of Type Ia Supernovae II: Improving Cosmological Distance Estimates, K. Boone *et al.*, Nearby Supernova Factory Collaboration, Astrophys. J 912 (2021) 71

18. Euclid: constraining dark energy coupled to electromagnetism using astrophysical and laboratory data, M. Martinelli *et al.*, Euclid Collaboration, Astron. Astrophys. 654 (2021) A148.

19. Euclid Preparation: XIV. The Complete Calibration of the Color–Redshift Relation (C3R2) Survey: Data Release 3, Stanford, S.A. *et al.*, Euclid Collaboration, Astrophys. J. Suppl. S 256 (2021) 9

20. The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the growth rate of structure from the small-scale clustering of the luminous red galaxy sample, M. J. Chapman *et al.*, eBOSS Collaboration, Mon. Not. Roy. Astron. Soc 516 (2021) 617

21. BICEP/Keck XIII: Improved Constraints on Primordial Gravitational Waves using Planck, WMAP, and BICEP/Keck Observations through the 2018 Observing Season, P.A.R. Ade *et al.*, Phys. Rev. Lett 127 (2021) 151301

2020

1. Improving baryon acoustic oscillation measurement with the combination of cosmic voids and galaxies, C. Zhao *et al.*, SDSS Collaboration, Mon. Not. Roy. Astron. Soc 491 (2020) 4554-4572

2. Strong Dependence of Type Ia Supernova Standardization on the Local Specific Star Formation Rate, M. Rigault *et al.*, Nearby Supernova Factory Collaboration, Astron. Astrophys. 644 (2020) A176

3. High-precision Monte-Carlo modelling of galaxy distribution, P. Baratta *et al.*, Astron. Astrophys. 633 (2020) A26

4. Constraints on the growth of structure around cosmic voids in eBOSS DR14, A. J. Hawken *et al.*, J. Cosmol. Astropart. P 2006 (2020) 012

5. SUGAR: An improved empirical model of Type Ia Supernovae based on spectral features, P.-F. Léget *et al.*, Nearby Supernova Factory Collaboration, Astron. Astrophys. 636 (2020) A46

6. Euclid: Reconstruction of Weak Lensing mass maps for non- Gaussianity studies, S. Pires *et al.*, Euclid Collaboration, Astron. Astrophys. 638 (2020) A141

7. Euclid preparation: VI. Verifying the Performance of Cosmic Shear Experiments, P. Paykari *et al.*, Euclid Collaboration, Astron. Astrophys. 635 (2020) A139

8. Euclid preparation: VII. Forecast validation for Euclid cosmological probes, A. Blanchard *et al.*, Euclid Collaboration, Astron. Astrophys. 642 (2020) A191

9. The Sixteenth Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra, R. Ahumada *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 249 (2020) 3

10. Euclid: The reduced shear approximation and magnification bias for Stage IV cosmic shear experiments, A. C. Deshpande *et al.*, Euclid Collaboration, Astron. Astrophys. 636 (2020) A95

11. Prospects for Fundamental Physics with LISA, E. Barausse *et al.*, Gen. Relat. Gravit 52 (2020) 81

12. PhotoWeb redshift: boosting photometric redshift accuracy with large spectroscopic surveys, M. Shuntov *et al.*, Astron. Astrophys. 636 (2020) A90

13. Euclid: the selection of quiescent and star-forming galaxies using observed colours, L. Bisigello *et al.*, Euclid Collaboration, Mon. Not. Roy. Astron. Soc 494 (2020) 2337-2354

14. Euclid: The importance of galaxy clustering and weak lensing cross-correlations within the photometric Euclid survey, I. Tutusaus *et al.*, Euclid Collaboration, Astron. Astrophys. 643 (2020) A70

15. Euclid preparation: VIII. The Complete Calibration of the Colour–Redshift Relation survey: VLT/KMOS observations and data release, V. Guglielmo *et al.*, Euclid Collaboration, Astron. Astrophys. 642 (2020) A192

16. The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR16 luminous red galaxy and emission line galaxy samples: cosmic distance and structure growth measurements using multiple tracers in configuration space, Y. Wang *et al.*, Mon. Not. Roy. Astron. Soc 498 (2020) 3470-3483

17. The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Large-scale structure catalogues for cosmological analysis, A. J. Ross *et al.*, Mon. Not. Roy. Astron. Soc 498 (2020) 2354-2371

18. The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic power spectrum between redshifts 0.6 and 1.0, H. Gil-Marin *et al.*, Mon. Not. Roy. Astron. Soc 498 (2020) 2492-2531

19. The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Growth rate of structure measurement from anisotropic clustering analysis in configuration space between redshift 0.6 and 1.1 for the Emission Line Galaxy sample, A. Tamone *et al.*, Mon. Not. Roy. Astron. Soc 499 (2020) 5527-5546

20. The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic correlation function between redshifts 0.6 and 1, J. E. Bautista *et al.*, Mon. Not. Roy. Astron. Soc 500 (2020) 736-762

21. Euclid: Forecast constraints on the cosmic distance duality relation with complementary external probes, M. Martinelli *et al.*, Euclid Collaboration, Astron. Astrophys. 644 (2020) A80

22. The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: geometry and growth from the anisotropic void-galaxy correlation function in the luminous red galaxy sample, S. Nadathur *et al.*, Mon. Not. Roy. Astron. Soc 499 (2020) 4140-4157

23. Euclid preparation: X. The Euclid photometric-redshift challenge, G. Desprez *et al.*, Euclid Collaboration, Astron. Astrophys. 644 (2020) A31

24. Euclid: Identification of asteroid streaks in simulated images using StreakDet software, M. Pöntinen *et al.*, Euclid Collaboration, Astron. Astrophys. 644 (2020) A35

2019

1. LSST: from Science Drivers to Reference Design and Anticipated Data Products, Z. Ivezić *et al.*, Astrophys. J 873 (2019) 111

2. Overview of the DESI Legacy Imaging Surveys, A. Dey *et al.*, DESI Collaboration, Astron. J. 157 (2019) 168

3. Multivariate analysis of cosmic void characteristics, M.-C. Cousinou *et al.*, Astron. Comput. 27 (2019) 53-62

4. On a quadratic equation of state and a universe mildly bouncing above the Planck temperature, J. Berteaud *et al.*, J. Cosmol. Astropart. P 1910 (2019) 069

5. Massive Neutrinos Leave Fingerprints on Cosmic Voids, C. D. Kreisch *et al.*, Mon. Not. Roy. Astron. Soc 488 (2019) 4413-4426

6. Exoplanets in the Antarctic Sky. II. 116 Transiting Exoplanet Candidates Found by AST3-II (CHESPA) within the Southern CVZ of TESS, H. Zhang *et al.*, Astrophys. J. Suppl. S 240 (2019) 17

7. The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library, D. S. Aguado *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 240 (2019) 23

8. Exoplanets in the Antarctic Sky. I. The First Data Release of AST3-II (CHESPA) and New Found Variables within the Southern CVZ of TESS, H. Zhang *et al.*, Astrophys. J. Suppl. S 240 (2019) 16

9. PELICAN: deeP architecturE for the LIght Curve ANalysis, J. Pasquet *et al.*, Astron. Astrophys. 627 (2019) A21

10. Testing gravity with galaxy-galaxy lensing and redshift- space distortions using CFHT-Stripe 82, CFHTLenS and BOSS CMASS datasets, E. Jullo *et al.*, Astron. Astrophys. 627 (2019) A137

11. SN 2012dn from early to late times: 09dc-like supernovae reassessed, S. Taubenberger *et al.*, Mon. Not. Roy. Astron. Soc 488 (2019) 5473-5488

12. Euclid preparation: V. Predicted yield of redshift 7 ¡ z ¡ 9 quasars from the wide survey, R. Barnett *et al.*, Euclid Collaboration, Astron. Astrophys. 631 (2019) A85

2018

1. Cosmology and fundamental physics with the Euclid satellite, L. Amendola *et al.*, Living Rev.Rel. 21 (2018) 2

2. The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the extended Baryon Oscillation Sky Survey and from the second phase of the Apache Point Observatory Galactic Evolution Experiment, B. Abolfathi *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 235 (2018) 42

3. PTF11mnb: First analog of supernova 2005bf - Long-rising, double-peaked supernova Ic from a massive progenitor, F. Taddia *et al.*, Astron. Astrophys. 609 (2018) A106

4. Euclid: Superluminous supernovae in the Deep Survey, C. Inserra *et al.*, Euclid Collaboration, Astron. Astrophys. 609 (2018) A83

5. Preliminary measurement of the spherical proportional counter prototype, Z.-M. Wang *et al.*, Radiat. Detect. Technol. Meth. 2 (2018) 18

6. Deep learning approach for classifying, detecting and predicting photometric redshifts of quasars in the Sloan Digital Sky Survey stripe 82, J. Pasquet-Itam *et al.*, Astron. Astrophys. 611 (2018) A97

7. The ESO's VLT Type Ia supernova spectral set of the final two years of SNLS, C. Balland *et al.*, SNLS Collaboration, Astron. Astrophys. 614 (2018) A134

8. Understanding Type Ia supernovae through their U-band spectra, J. Nordin *et al.*, SNFactory Collaboration, Astron. Astrophys. 614 (2018) A71

9. Gravitational birefringence and an exotic formula for redshifts, C. Duval *et al.*, Phys. Rev. D 97 (2018) 123508

10. Correcting for peculiar velocities of Type Ia Supernovae in clusters of galaxies, P.-F. Léget *et al.*, Nearby Supernova Factory Collaboration, Astron. Astrophys. 615 (2018) A162

11. The first release of the AST3-1 Point Source Catalogue from Dome A, Antarctica, B. Ma *et al.*, Mon. Not. Roy. Astron. Soc 479 (2018) 111-120

12. Photometric redshifts from SDSS images using a convolutional neural network, J. Pasquet *et al.*, Astron. Astrophys. 621 (2018) A26

13. The scale of cosmic homogeneity as a standard ruler, P. Ntelis *et al.*, J. Cosmol. Astropart. P 1812 (2018) 014

14. SNEMO: Improved Empirical Models for Type Ia Supernovae, C. Saunders *et al.*, Nearby Supernova Factory Collaboration, Astrophys. J 869 (2018) 167

2017

1. Linear redshift space distortions for cosmic voids based on galaxies in redshift space, C.-H. Chuang *et al.*, Phys. Rev. D 95 (2017) 063528

2. Large-scale retrospective relative spectro-photometric self- calibration in space, D. Markovic *et al.*, Mon. Not. Roy. Astron. Soc 467 (2017) 3677-3698

3. The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample, S. Alam *et al.*, BOSS Collaboration, Mon. Not. Roy. Astron. Soc 470 (2017) 2617-2652

4. The Thirteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey MApping Nearby Galaxies at Apache Point Observatory, F.-D. Albareti *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 233 (2017) 25

5. The Extinction Properties of and Distance to the Highly Reddened Type IA Supernova 2012cu, X. Huang *et al.*, Astrophys. J 836 (2017) 157

6. Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies and the Distant Universe, M.-R. Blanton *et al.*, Astron. J. 154 (2017) 28-62

7. Hubble Frontier Fields: systematic errors in strong lensing models of galaxy clusters - Implications for cosmography, A. Acebron *et al.*, Mon. Not. Roy. Astron. Soc 470 (2017) 1809-1825

8. Multipole analysis of redshift-space distortions around cosmic voids, N. Hamaus *et al.*, J. Cosmol. Astropart. P 1707 (2017) 014

9. SCALA: In situ calibration for integral field spectrographs, S. Lombardo *et al.*, SNFactory Collaboration, Astron. Astrophys. 607 (2017) A113

2016

1. The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: single-probe measurements from CMASS anisotropic galaxy clustering, C.-H. Chuang *et al.*, Mon. Not. Roy. Astron. Soc 461 (2016) 3781-3793

2. The SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Overview and Early Data, K.-S. Dawson *et al.*, SDSS Collaboration, Astron. J. 151 (2016) 44

3. SDSS-IV eBOSS emission-line galaxy pilot survey, J. Comparat *et al.*, Astron. Astrophys. 592 (2016) A121

4. The extended Baryon Oscillation Spectroscopic Survey: a cosmological forecast, G.-B. Zhao *et al.*, Mon. Not. Roy. Astron. Soc 457 (2016) 2377-2390

5. Rapidly Rising Transients in the Supernova—superluminous Supernova gap, I. Arcavi *et al.*, Astrophys. J 819 (2016) 35

6. DIVE in the cosmic web: voids with Delaunay Triangulation from discrete matter tracer distributions, C. Zhao *et al.*, Mon. Not. Roy. Astron. Soc 459 (2016) 2670-2680

7. Measuring Baryon Acoustic Oscillations from the clustering of voids, Y. Liang *et al.*, Mon. Not. Roy. Astron. Soc 459 (2016) 4020-4028

8. Signatures of the Primordial Universe from Its Emptiness: Measurement of Baryon Acoustic Oscillations from Minima of the Density Field, F.-S. Kitaura *et al.*, Phys. Rev. Lett 116 (2016) 171301

9. Einstein–Cartan, Bianchi I and the Hubble diagram, S. R. ZouZou *et al.*, Gen. Relat. Gravit 48 (2016) 48

10. Constraints on Cosmology and Gravity from the Dynamics of Voids, N. Hamaus *et al.*, Phys. Rev. Lett 117 (2016) 091302

11. MIMAC low energy electron-recoil discrimination measured with fast neutrons, Q. Riffard *et al.*, J. Instrum 11 (2016) P08011

12. The Sloan Digital Sky Survey Reverberation Mapping Project: Velocity Shifts of Quasar Emission Lines, Y. Shen *et al.*, Astrophys. J 831 (2016) 7

13. A New Signal Estimator from the NIR Detectors of the Euclid Mission, B. Kubik *et al.*, Euclid Collaboration, Publ. Astron. Soc. Pac 128 (2016) 104504

14. Power law cosmology model comparison with CMB scale information, I. Tutusaus *et al.*, Phys. Rev. D 94 (2016) 103511

2015

1. The 0.1<z<1.65 evolution of the bright end of the [OII] luminosity function, J. Comparat *et al.*, Astron. Astrophys. 575 (2015) A40

2. The Sloan Digital Sky Survey Reverberation Mapping Project: Technical Overview, Y. Shen *et al.*, Astrophys. J. Suppl. S 216 (2015) 4

3. A metric space for type Ia supernova spectra, M. Sasdelli *et al.*, Mon. Not. Roy. Astron. Soc 447 (2015) 1247-1266

4. Confirmation of a Star Formation Bias in Type Ia Supernova Distances and its Effect on Measurement of the Hubble Constant, M. Rigault *et al.*, Astrophys. J 802 (2015) 1-20.

5. Type Ia Supernova Distance Modulus Bias and Dispersion From K-correction Errors: A Direct Measurement Using Lightcurve Fits to Observed Spectral Time Series, C. Saunders *et al.*, SNFactory Collaboration, Astrophys. J 800 (2015) 57

6. Halo mass distribution reconstruction across the cosmic web, C. Zhao *et al.*, Mon. Not. Roy. Astron. Soc 451 (2015) 4266-4276

7. The Eleventh and Twelfth Data Releases of the Sloan Digital Sky Survey: Final Data from SDSS-III, S. Alam *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 219 (2015) 12

8. The Sloan Digital Sky Survey Reverberation Mapping Project: No Evidence for Evolution in the M-sigma Relation to $z \sim 1$, Y. Shen *et al.*, Astrophys. J 805 (2015) 96

9. Counting voids to probe dark energy, A. Pisani *et al.*, Phys. Rev. D 92 (2015) 083531

10. The Sloan Digital Sky Survey Reverberation Mapping Project: Rapid CIV Broad Absorption Line Variability, C.J. Grier *et al.*, Astrophys. J 806 (2015) 111

11. The SDSS-IV eBOSS emission-line galaxy pilot survey, J. Comparat *et al.*, BOSS Collaboration, Astron. Astrophys. 592 (2015) A121

12. Improving Cosmological Distance Measurements Using Twin Type Ia Supernovae, H.K. Fakhouri *et al.*, SNFactory Collaboration, Astrophys. J 815 (2015) 58

2014

1. The Tenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Apache Point Observatory Galactic Evolution Experiment, C. P. Ahn *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 211 (2014) 17

2. How sensitive are predicted galaxy luminosities to the choice of stellar population synthesis model?, V. Gonzalez-Perez *et al.*, Mon. Not. Roy. Astron. Soc 439 (2014) 264-283

3. The WIRCam Deep Survey II: Mass Selected Clustering, R. M. Bielby *et al.*, Astron. Astrophys. 568 (2014) 24

4. Which galaxies dominate the neutral gas content of the Universe?, C. D. P. Lagos *et al.*, Mon. Not. Roy. Astron. Soc 440 (2014) 920-941

5. Weak lensing mass map and peak statistics in CFHT/Stripe82 survey, H. Shan *et al.*, Mon. Not. Roy. Astron. Soc 442 (2014) 2534

6. Clustering of Extremely Red Objects in Elais-N1 from the UKIDSS DXS with optical photometry from Pan-STARRS1 and Subaru, J.-W. Kim *et al.*, Mon. Not. Roy. Astron. Soc 438 (2014) 825-840

7. The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations in the Data Release 10 and 11 galaxy samples, L. Anderson *et al.*, BOSS Collaboration, Mon. Not. Roy. Astron. Soc 441 (2014) 24-62

8. SDSS-III Baryon Oscillation Spectroscopic Survey: Analysis of Potential Systematics in Fitting of Baryon Acoustic Feature, M. Vargas-Magaña *et al.*, Mon. Not. Roy. Astron. Soc (2014)

9. Type Ia Supernova Hubble Residuals and Host-Galaxy Properties, A.G. Kim *et al.*, SNFactory Collaboration, Astrophys. J 784 (2014) 51

10. Improved cosmological constraints from a joint analysis of the SDSS-II and SNLS supernova samples, M. Betoule *et al.*, SNLS Collaboration, Astron. Astrophys. 568 (2014) 22

11. Type Ia supernova bolometric light curves and ejected mass estimates from the Nearby Supernova Factory, R. Scalzo *et al.*, SNFactory Collaboration, Mon. Not. Roy. Astron. Soc 440 (2014) 1498-1518

12. Bianchi I meets the Hubble diagram, T. Schucker *et al.*, Mon. Not. Roy. Astron. Soc 444 (2014) 2820

13. Extending the supernova Hubble diagram to z∼1.5 with the Euclid space mission, P. Astier *et al.*, Astron. Astrophys. 572 (2014) A80

14. nIFTy Cosmology: Galaxy/halo mock catalogue comparison project on clustering statistics, C.-H. Chuang *et al.*, Mon. Not. Roy. Astron. Soc 452 (2014) 686-700

2013

1. An Efficient Approach to Obtaining Large Numbers of Distant Supernova Host Galaxy Redshifts, C. Lidman *et al.*, Publ. Astron. Soc. Aust 30 (2013) 1

2. Cosmology and fundamental physics with the Euclid satellite, L. Amendola *et al.*, Living Rev.Rel. 16 (2013) 6

3. Investigating Emission Line Galaxy Surveys with the Sloan Digital Sky Survey Infrastructure, J. Comparat *et al.*, Mon. Not. Roy. Astron. Soc 428 (2013) 1498-1517

4. The Baryon Oscillation Spectroscopic Survey of SDSS-III, K. S. Dawson *et al.*, BOSS Collaboration, Astron. J. 145 (2013) 10

5. The ultraviolet colours and dust attenuation of Lyman-break galaxies, V. Gonzalez-Perez *et al.*, Mon. Not. Roy. Astron. Soc 429 (2013) 1609-1625

6. Radiative Properties of Pair-instability Supernova Explosions, L. Dessart *et al.*, Mon. Not. Roy. Astron. Soc 428 (2013) 3227-3251

7. Atmospheric extinction properties above Mauna Kea from the Nearby SuperNova Factory spectro-photometric data set, C. Buton *et al.*, SNFactory Collaboration, Astron. Astrophys. 549 (2013) A8

8. An optimized correlation function estimator for galaxy surveys, M. Vargas-Magaña *et al.*, Astron. Astrophys. 554 (2013) 131

9. One-dimensional delayed-detonation models of Type Ia supernovae: Confrontation to observations at bolometric maximum, S. Blondin *et al.*, Mon. Not. Roy. Astron. Soc 429 (2013) 2127-2142

10. Stochastic bias of color-selected BAO tracers by joint clustering–weak-lensing analysis, J. Comparat *et al.*, Mon. Not. Roy. Astron. Soc 433 (2013) 1146-1160

11. Spectrophotometric time series of SN 2011fe from the Nearby Supernova Factory, R. Pereira *et al.*, SNFactory Collaboration, Astron. Astrophys. 554 (2013) A27

12. Standardizing Type Ia Supernova Absolute Magnitudes Using Gaussian Process Data Regression, A.G. Kim *et al.*, SNFactory Collaboration, Astrophys. J 766 (2013) 84

13. The Dark Side of Gravity, F. Henry-Couannier *et al.*, GJSFR 13 (2013) 1-53

14. Host Galaxies of Type Ia Supernovae from the Nearby Supernova Factory, M.J. Childress *et al.*, SNFactory Collaboration, Astrophys. J 770 (2013) 107

15. Host Galaxy Properties and Hubble Residuals of Type Ia Supernovae from the Nearby Supernova Factory, M.J. Childress *et al.*, Astrophys. J 770 (2013) 108

16. Evidence of Environmental Dependencies of Type Ia Supernovae from the Nearby Supernova Factory indicated by Local Hα, M. Rigault *et al.*, SNFactory Collaboration, Astron. Astrophys. 560 (2013) A66

17. Two superluminous supernovae from the early universe discovered by the Supernova Legacy Survey, D.A. Howel *et al.*, SNLS Collaboration, Astrophys. J 779 (2013) 98

18. Measuring cosmic bulk flows with Type Ia Supernovae from the Nearby Supernova Factory, U. Feindt *et al.*, SNFactory Collaboration, Astron. Astrophys. 560 (2013) A90

2012

1. Negative energies and time reversal in Quantum Field Theory, F. Henry-Couannier *et al.*, GJSFR 12 (2012) 39-58

2. Weak lensing measurement of galaxy clusters in the CFHTLS Wide Survey, H.Y. Shan *et al.*, Astrophys. J 748 (2012) 56

3. Torsion, an alternative to the cosmological constant?, T. Schucker *et al.*, Int. J. Mod. Phys. D 21 (2012) 1250089

4. The Rise Time of Normal and Subluminous Type la Supernovae, S. González-Gaitán *et al.*, Astrophys. J 745 (2012) 44

5. The Spectroscopic Diversity of Type Ia Supernovae, S. Blondin *et al.*, Astron. J. 143 (2012) 126

6. Constraining Type la Supernova Models : SN 2011fe as a Test Case, F. K. Röpke *et al.*, SNFactory Collaboration, Astrophys. J 750 (2012) L19

7. Evolution in the Volumetric Type la Supernova Rate from the Supernova Legacy Survey, K. Perrett *et al.*, SNLS Collaboration, Astrophys. J 144 (2012) 59

8. The Ninth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Baryon Oscillation Spectroscopic Survey, C. P. Ahn *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 203 (2012) 21

9. A Search for New Candidate Super-Chandrasekhar-Mass Type Ia Supernovae in the Nearby Supernova Factory Dataset, R. Scalzo *et al.*, SNFactory Collaboration, Astrophys. J 757 (2012) 12

10. Super-luminous supernovae: 56Ni power versus magnetar radiation, L. Dessart *et al.*, Mon. Not. Roy. Astron. Soc 426 (2012) L76-L80

11. Observational constraints on cosmic neutrinos and dark energy revisited, X. Wang *et al.*, J. Cosmol. Astropart. P 1211 (2012) 018

12. Impact of the Time Sampling on the Noise of a H2RG (2Kx2K) Near-IR Detector: Comparison of SIDECAR ASIC and Hybrid Readouts, G. Smadja *et al.*, Nucl. Instrum. Meth. A 694 (2012) 95-100

2011

1. Designing Future Dark Energy Space Missions: II. Photometric Redshift of Space Weak Lensing Optimized Survey, S. Jouvel *et al.*, Astron. Astrophys. 532 (2011) A25

2. Direct Confirmation of the Asymmetry of the Cas A Supernova with Light Echoes, A. Rest *et al.*, Astrophys. J 732 (2011) 3

3. On the Interpretation of Supernova Light Echo Profiles and Spectra, A. Rest *et al.*, Astrophys. J 732 (2011) 2

4. Do Spectra Improve Distance Measurements of Type Ia Supernovae?, S. Blondin *et al.*, Astron. Astrophys. 526 (2011) A81

5. The Eighth Data Release of the Sloan Digital Sky Survey: First Data from SDSS-III, H. Aihara *et al.*, SDSS Collaboration, Astrophys. J. Suppl. S 193 (2011) 29

6. Supernova Constraints and Systematic Uncertainties From the First Three Years of the Supernova Legacy Survey, A. Conley *et al.*, SNLS Collaboration, Astrophys. J. Suppl. S 192 (2011) 1

7. Supernova Legacy Survey: Using Spectral Signatures To Improve Type Ia Supernovae As Distance Indicators, E.S. Walker *et al.*, SNLS Collaboration, Mon. Not. Roy. Astron. Soc 410 (2011) 1262-1282

8. SDSS-III: Massive Spectroscopic Surveys of the Distant Universe, the Milky Way Galaxy, and Extra-Solar Planetary Systems, D. J. Eisenstein *et al.*, SDSS Collaboration, Astron. J. 142 (2011) 72

9. Subluminous Type Ia Supernovae at High Redshift From the Supernova Legacy Survey, S. Gonzãlez-Gaitãn *et al.*, SNLS Collaboration, Astrophys. J 727 (2011) 107

10. The reddening law of type Ia supernovae: separating intrinsic variability from dust using equivalent widths, N. Chotard *et al.*, SNFactory Collaboration, Astron. Astrophys. 529 (2011) L4

11. Keck Observations of the Young Metal-Poor Host Galaxy of the Super-Chandrasekhar-Mass Type Ia Supernova SN 2007if, M. Childress *et al.*, Astrophys. J 733 (2011) 3

12. Reducing Zero-point Systematics in Dark Energy Supernova Experiments, L. Faccioli *et al.*, Astropart. Phys. 34 (2011) 847-857

13. Torsion, an alternative to dark matter?, A. Tilquin *et al.*, Gen. Relat. Gravit 43 (2011) 2965-2978

14. Confronting 2D Delayed-Detonation Models with Light Curves and Spectra of Type Ia Supernovae, S. Blondin *et al.*, Mon. Not. Roy. Astron. Soc 417 (2011) 1280

15. SNLS3: Constraints on Dark Energy Combining the Supernova Legacy Survey Three Year Data with Other Probes, M. Sullivan *et al.*, SNLS Collaboration, Astrophys. J 737 (2011) 102

16. Precision Determination of Atmospheric Extinction at Optical and Near-infrared Wavelengths, D. L. Burke *et al.*, Astrophys. J 720 (2011) 811-823

17. Type Ia Supernova Carbon Footprints, R.C. Thomas *et al.*, SNFactory Collaboration, Astrophys. J 743 (2011) 27

18. Photometric selection of Type Ia supernovae in the Supernova Legacy Survey, G. Bazin *et al.*, SNLS Collaboration, Astron. Astrophys. 534 (2011) A43

19. Constraining Type Ia Supernovae progenitors from Three Years of Supernova Legacy Survey Data, F. B. Bianco *et al.*, SNLS Collaboration, Astrophys. J 741 (2011) 20

2010

1. Photometric redshifts for type Ia supernovae in the supernova legacy survey, N. Palanque-Delabrouille *et al.*, SNLS Collaboration, Astron. Astrophys. 514 (2010) A63

2. The Type Ia Supernova Rate in Radio and Infrared Galaxies from the Canada-France-Hawaii Telescope Supernova Legacy Survey, M.L. Graham *et al.*, SNLS Collaboration, Astron. J. 139 (2010) 594-605

3. Prospective Type Ia Supernova Surveys From Dome A, A. Kim *et al.*, Astropart. Phys. 33 (2010) 248-254

4. Constraining dark matter halo properties using lensed Supernova Legacy Survey supernovae, J. Jonsson *et al.*, SNLS Collaboration, Mon. Not. Roy. Astron. Soc 405 (2010) 535-544

5. Gravitational lensing in the Supernova Legacy Survey (SNLS), T. Kronborg *et al.*, SNLS Collaboration, Astron. Astrophys. 514 (2010) A44

6. The dependence of Type Ia Supernovae luminosities on their host galaxies, M. Sullivan *et al.*, SNLS Collaboration, Mon. Not. Roy. Astron. Soc 406 (2010) 782-802

7. Nearby Supernova Factory Observations of SN 2007if: First Total Mass Measurement of a Super-Chandrasekhar-Mass Progenitor, R.A. Scalzo *et al.*, SNFactory Collaboration, Astrophys. J 713 (2010) 1073-1094

8. Offset between dark matter and ordinary matter: evidence from a sample of 38 lensing clusters of galaxies, H.Y. Shan *et al.*, Mon. Not. Roy. Astron. Soc 406 (2010) 1134-1139

9. Frequency Analysis of the noise in the Fowler(n) sampling of a H2RG(2Kx2K) Near-IR Detector, G. Smadja *et al.*, Nucl. Instrum. Meth. A 622 (2010) 288-294

10. Real-time Analysis and Selection Biases in the Supernova Legacy Survey, K. Perrett *et al.*, SNLS Collaboration, Astron. J. 140 (2010) 518-532

11. The Supernova Legacy Survey 3-year sample: Type Ia supernovae photometric distances and cosmological constraints, J. Guy *et al.*, SNLS Collaboration, Astron. Astrophys. 523 (2010) A7

acte de conférence

2026

1. N2CLS: The NIKA2 view of the distant Universe, S. Berta, R. Adam, P. Ade, H. Ajeddig, S. Amarantidis, P. André, H. Aussel, A. Beelen, A. Benoît, M. Béthermin, A. Bongiovanni, J. Bounmy, O. Bourrion, M. Calvo, A. Catalano, D. Chérouvrier, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, G. Ejlali, A. Ferragamo, A. Gomez, J. Goupy, C. Hanser, S. Katsioli, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J. F. Macías-Pérez, S. C. Madden, A. Maury, F. Mayet, A. Monfardini, A. Moyer-Anin, M. Muñoz-Echeverría, I. Myserlis, A. Paliwal, L. Perotto, G. Pisano, N. Ponthieu, V. Revéret, A. J. Rigby, A. Ritacco, H. Roussel, F. Ruppin, M. Sánchez-Portal, S. Savorgnano, K. Schuster, A. Sievers, C. Tucker, R. Zylka, EPJ Web Conf., 353, mm Universe 2025 (2026) 01002, Chicago, United States, 23-27 Jun 2025

2. NIKA2 maps tracing dust grain evolution in cores of TMC1, C. Kramer, R. Adam, P. Ade, H. Ajeddig, S. Amarantidis, P. André, H. Aussel, A. Beelen, A. Benoît, S. Berta, M. Béthermin, A. Bongiovanni, J. Bounmy, O. Bourrion, M. Calvo, P. Caselli, A. Catalano, D. Chérouvrier, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, G. Ejlali, A. Ferragamo, A. Fuente, A. Gomez, J. Goupy, C. Hanser, S. Katsioli, F. Kéruzoré, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J. F. Macías- Pérez, S. C. Madden, A. Maury, F. Mayet, A. Monfardini, A. Moyer- Anin, M. Muñoz-Echeverría, I. Myserlis, A. Paliwal, L. Perotto, G. Pisano, N. Ponthieu, V. Revéret, A. J. Rigby, A. Ritacco, H. Roussel, F. Ruppin, M. Sánchez-Portal, S. Savorgnano, K. Schuster, A. Sievers, M. W. L. Smith, C. Tucker, R. Zylka, EPJ Web Conf., 353, mm Universe 2025 (2026) 01009, Chicago, United States, 23-27 Jun 2025

3. The SZ-Mass scaling relation with the NIKA2 SZ Large Program, A. Moyer-Anin, R. Adam, P. Ade, H. Ajeddig, S. Amarantidis, P. André, H. Aussel, I. Bartalucci, A. Beelen, A. Benoît, S. Berta, M. Béthermin, B. Bolliet, A. Bongiovanni, J. Bounmy, O. Bourrion, M. Calvo, A. Catalano, D. Chérouvrier, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, G. Ejlali, A. Ferragamo, A. Gomez, J. Goupy, C. Hanser, S. Katsioli, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, S. Leclercq, J.-F. Lestrade, J. F. Macías-Pérez, S. C. Madden, A. Maury, F. Mayet, J. B. Melin, A. Monfardini, M. Muñoz-Echeverría, I. Myserlis, A. Paliwal, L. Perotto, G. Pisano, E. Pointecouteau, N. Ponthieu, G. W. Pratt, V. Revéret, A. J. Rigby, A. Ritacco, H. Roussel, F. Ruppin, M. Sánchez-Portal, S. Savorgnano, K. Schuster, A. Sievers, C. Tucker, R. Wicker, G. Yepes, EPJ Web Conf., 353, mm Universe 2025 (2026) 01011, Chicago, United States, 23-27 Jun 2025

4. Overview of final results from the NIKA2 Sunyaev-Zeldovich Large Program, F. Mayet, R. Adam, P. Ade, H. Ajeddig, S. Amarantidis, P. André, H. Aussel, R. Barrena, I. Bartalucci, A. Beelen, A. Benoît, S. Berta, M. Béthermin, B. Bolliet, A. Bongiovanni, J. Bounmy, O. Bourrion, M. Calvo, A. Catalano, D. Chérouvrier, M. De Petris, F.-X. Désert, S. Doyle, E. F. C. Driessen, G. Ejlali, A. Ferragamo, J. Fulachier, A. Gomez, J. Goupy, C. Hanser, S. Katsioli, F. Kéruzoré, C. Kramer, B. Ladjelate, G. Lagache, F. Lambert, S. Leclercq, J.-F. Lestrade, J. F. Macías-Pérez, S. C. Madden, A. Maury, J. B. Melin, A. Monfardini, A. Moyer-Anin, M. Muñoz-Echeverría, I. Myserlis, J. Odier, A. Paliwal, E. Papparlardo, L. Perotto, G. Pisano, E. Pointecouteau,

G. W. Pratt, N. Ponthieu, V. Revéret, A. J. Rigby, A. Ritacco, H. Roussel, F. Ruppin, M. Sánchez-Portal, S. Savorgnano, K. Schuster, A. Sievers, C. Tucker, R. Wicker, G. Yepes, R. Zylka, EPJ Web Conf., 353, mm Universe 2025 (2026) 01010, Chicago, United States, 23-27 Jun 2025

2024

1. Euclid commissioning results: the near infrared spectrometer and photometer (NISP) signal detection chain, Cogato, F., Medinaceli Villegas, E., Barbier, R., Dusini, S., Gillard, W., Jahnke, K., Auricchio, N., Balbi, E., Balestra, A., Battaglia, P., Bonino, D., Capobianco, V., Chary, R., Conseil, S., Corcione, L., Delucchi, G., Farinelli, R., Ferriol, S., Franceschi, E., Gabarra, L., Gianotti, F., Grupp, F., Lentini, E., Ligori, S., Morgante, G., Paterson, K., Romelli, E., Sauniere, L., Schirmer, M., Sirignaro, C., Sirri, G., Testera, G., Trifoglio, M., Troja, A., Valenziano, L., Copin, Y., Frailis, M., Kubik, B., Scodeggio, M., Barriere, J.-C., Berthe, M., Bodendorf, C., Caillat, A., Carle, M., Casas, R., Cho, H., Costille, A., Ducret, F., Garilli, B., Holmes, W., Hormuth, F., Hornstrup, A., Jhabvala, M., Kohley, R., Le Mignant, D., Lilje, P.B., Lloro, I., Padilla, C., Polenta, G., Salvignol, J.-C., Seidel, G., Serra, B., Secroun, A., Smadja, G., Stanco, L., Strada, P., Toledo-Moreo, R., Anselmi, S., Borsato, E., Caillat, L., Colodro- Conde, C., Conforti, V., Davies, J., Renzi, A., Dal Corso, F., Davini, S., De Rosa, A., Diaz, J., Di Domizio, S., Di Ferdinando, D., Ferrari, A., Fornari, F., Giacomini, F., Krause, O., Laudisio, F., Macias-Perez, J., Marpaud, J., Mauri, N., da Silva, R., Niclas, M., Passalacqua, F., Risso, I., Lagier, P., Sorensen, A.N., Stassi, P., Steinwagner, J., Tenti, M., Thizy, C., Tosi, S., Travaglini, R., Tubio, O., Valieri, C., Ventura, S., Vescovi, C., Zoubian, J., Proc. SPIE Int. Soc. Opt. Eng., 13092, SPIE Astronomical Telescopes + Instrumentation 2024 (2024), Yokohama, Japan, 16-21 Jun 2024

2. Performance of the image persistence model for Euclid infrared detectors, Kubik, B., Barbier, R., Smadja, G., Ferriol, S., Conseil, Y., Copin, Y., Gillard, W., Dusini, S., Jahnke, K., Prieto, E., Auricchio, N., Balbi, E., Balestra, A., Battaglia, P., Capobianco, V., Chary, R., Corcione, L., Cogato, F., Delucchi, G., Franceschi, E., Gabarra, L., Gianotti, F., Grupp, F., Lentini, E., Ligori, S., Medinaceli, E., Morgante, G., Paterson, K., Romelli, E., Sauniere, L., Schirmer, M., Sirignano, C., Testera, G., Trifoglio, M., Troja, A., Valenziano, L., Frailis, M., Scodeggio, M., Barriere, J.-C., Berthe, M., Bodendorf, C., Caillat, A., Carle, M., Casas, R., Cho, H., Costille, A., Ducret, F., Garilli, B., Holmes, W., Hormuth, F., Hornstrup, A., Jhabvala, M., Kohley, R., Le Mignant, D., Lilje, P.B., Lloro, I., Padilla, C., Polenta, G., Salvignol, J.-C., Seidel, G., Serra, B., Secroun, A., Stanco, L., Toledo-Moreo, R., Anselmi, S., Borsato, E., Caillat, L., Colodro-Conde, C., Conforti, V., Davies, J.E., Renzi, A., Dal Corso, F., Davini, S., Derosa, A., Diaz, J.J., Di Domizio, S., Di Ferdinando, D., Farinelli, R., Ferrari, A.G., Fornari, F., Giacomini, F., Krause, O., Laudisio, F., Macias-Perez, J., Marpaud, J., Mauri, N., da Silva, R., Niclas, M., Passalacqua, F., Risso, I., Lagier, P., Sorensen, A.N., Stassi, P., Steinwagner, J., Tenti, M., Thizy, C., Tosi, S., Travaglini, R., Tubio, O., Valieri, C., Ventura, S., Vescovi, C., Zoubian, J., Proc. SPIE Int. Soc. Opt. Eng., 10103, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 1310315, Yokohama, Japan, 16-21 Jun 2024

3. Integrating the LSST camera, Lange, Travis, Nordby, Martin, Pollek, Hannah, Osier, Shawn, Bowdish, Boyd, Hascall, Diane, Lopez, Margaux, Newbry, Scott, Lazarte, Juan Carlos, Thayer, Gregg, Neal, Homer, Lee, Vincent, Silva, Michael, Kiehl, David, Hau, Andrew, Nieland, Tom, Linton, Nico, Shelley, David, Qiu, Yongqiang, Freytag, Mark, Cisneros, Stephen, Mendez, Chris, Marshall, Stuart, Utsumi, Yousuke, Johnson, Anthony, Rasmussen, Andrew, Roodman, Aaron, Tether, Stephen, Eisner, Alan, Turri, Max, Onoprienko, Dmitry, Saxton, Owen, Chiang, James, Digel, Seth, Bradshaw, Andrew, Reil, Kevin, Riot, Vincent, Wolfe, Justin, Winters, Scott, Bauman, Brian, Wahl, Bill, O'Connor, Paul, Antilogus, Pierre, Juramy, Claire, Virieux, Françoise, Boucaud, Alexandre, Parisel, Camille, Aubourg, Eric, Lagorio, Eric, Karst, Pierre, Marini, Aurelien, Laporte, Didier, Vezzu, Francis, Daubard, Guillaume, Breugnon, Patrick, Tyson, Tony, Snyder, Adam, Lage, Craig, Bond, Tim, Ritz, Steve, Proc. SPIE Int. Soc. Opt. Eng., 13096, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 130961O, Yokohama, Japan, 16-21 Jun 2024

4. LSST camera verification testing and characterization, Roodman, A., Rasmussen, A., Bradshaw, A., Charles, E., Chiang, J., Digel, S.W., Dubois, R., Johnson, A.S., Kahn, S., Liang, S., Marshall, S., Neal, H., Plazas, A.A., Reil, K., Rykoff, E., Schindler, R., Schutt, T., Utsumi, Y., Bogart, T., Bond, T., Bowdish, B., Cisneros, S., Eisner, A., Freytag, M., Hascall, D., Lange, T., Lazarte, J.C., Lopez, M., Mendez, C., Newbry, S., Nordby, M., Onoprienko, D., Osier, S., Pollek, H., Qiu, B., Saxton, O., Tether, S., Thayer, G., Turri, M., Banovetz, J., O'Connor, P., Riot, V., Wolfe, J., Lage, C., Polin, D., Snyder, A., Tyson, A., Nichols, R., Ritz, S., Shestakov, A., Wood, D., Broughton, A., Park, H., Esteves, J., Barrau, A., Bregeon, J., Combet, C., Dargaud, G., Lagorio, E., Migliore, M., Vezzu, F., Antilogus, P., Astier, P., Daubard, G., Juramy, C., Laporte, D., Guillemin, T., Aubourg, E., Boucaud, A., Parisel, C., Virieux, F., Breugnon, P., Karst, P., Marini, A., Fisher-Levine, M., Waters, C., Proc. SPIE Int. Soc. Opt. Eng., 13096, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 536-551, Yokohama, Japan, 16-21 Jun 2024

5. StarDICE: a photometric calibration experiment to anchor standard stars on the NIST flux scale at the milli-magnitude level, T. Souverin, J. Neveu, M. Betoule, S. Bongard, P. E. Blanc, J. C. Tanugi, S. Dagoret-Campagne, F. Feinstein, M. Ferrari, F. Hazenberg, C. Juramy, L. Le Guillou, A. Le Van Suu, M. Moniez, É. Nuss, B. Plez, N. Regnault, E. Sepulveda, K. Sommer, Proc. SPIE Int. Soc. Opt. Eng., 13096, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 130963W, Yokohama, Japan, 16-21 Jun 2024

6. Euclid: the near infrared spectrometer and photometer (NISP) instrument operations, P. Battaglia, C. Sirignano, S. Dusini, A. Gregorio, S. Ligori, E. Medinaceli, E. Romelli, A. Zacchei, R. Barbier, W. Gillard, Y. Copin, K. Jahnke, M. Schirmer, N. Auricchio, E. Balbi, A. Balestra, D. Bonino, E. Borsato, M. Brescia, V. Capobianco, S. Cavuoti, F. Cogato, S. Conseil, L. Corcione, S. Davini, G. Delucchi, R. Farinelli, E. Franceschi, F. Grupp, B. Kubik, E. Lentini, R. Lhoussaine, T. Maciaszek, G. Morgante, F. Passalacqua, G. Polenta, G. Riccio, G. Testera, S. Tosi, M. Trifoglio, A. Troja, L. Valenziano,

Proc. SPIE Int. Soc. Opt. Eng., 13092, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 130923H, Yokohama, Japan, 16-21 Jun 2024

7. The Euclid mission: status after launch and early operations, R. J. Laureijs, R. Vavrek, G. Racca, R. Kohley, P. Ferruit, V. Pettorino, T. Boenke, A. Calvi, L. M. Gaspar Venancio, L. Campos, E. Maiorano, O. Piersanti, S. Prezelus, U. Ragnit, P. Rosato, C. Rosso, H. Rozemeijer, A. Short, P. Strada, D. Stramaccioni, M. Szafraniec, B. Altieri, G. Buenadicha, X. Dupac, P. Gomez Cambronero-Alvarez, K. Henares Vilaboa, C. Hernandez de la Torre, J. Hoar, M. Lopez-Caniego Alcarria, P. Marcos Arenal, J. M. Martin Fleitas, M. Miluzio, A. Mora, S. Nieto, R. Perez Bonilla, P. Teodoro Idiago, F. Cordero, J. Mendes, F. Renk, A. Rudolph, M. Schmidt, J. Schwartz, Y. Mellier, H. Aussel, M. Berthé, P. Casenove, M. Cropper, J.-C. Cuillandre, J. Dinis, A. Gregorio, K. Kuijken, T. Maciaszek, L. Miller, R. Scaramella, M. Schirmer, I. Tereno, A. Zacchei, S. Awan, G. P. Candini, P. Liebing, R. Nakajima, S. Dusini, P. Battaglia, E. Medinacelli, C. Sirignano, I. Baldry, C. Baugh, F. Bernardeau, F. Castander, A. Cimatti, W. Gillard, L. Guzzo, H. Hoekstra, K. Jahnke, T. Kitching, E. Martin, J. Mohr, W. Percival, J. Rhodes, Proc. SPIE Int. Soc. Opt. Eng., 13092, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 130920M, Yokohama, Japan, 16-21 Jun 2024

8. Decoding optical aberrations of low-resolution Instruments from PSFs: machine learning and Zernike polynomials perspectives, L. Sauniere, W. Gillard, J. Zoubian, Proc. SPIE Int. Soc. Opt. Eng., 13092, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 130923I, Yokohama, Japan, 16-21 Jun 2024

9. Euclid near infrared spectrometer and photometer instrument NISP in space, Gillard, William, Dusini, Stefano, Jahnke, Knud, Prieto, Eric, Auricchio, Natalia, Barbier, Remi, Balbi, Evandro, Balestra, Andrea, Battaglia, Paola, Capobianco, Vito, Chary, Ranga-Ram, Corcione, Leonardo, Cogato, Fabrizio, Delucchi, Gaia, Ferriol, Sylvain, Franceschi, Enrico, Gabarra, Louis, Gianotti, Fulvio, Grupp, Frank U., Lentini, Elisa, Ligori, Sebastiano, Medinaceli, Eduardo, Morgante, Gianluca, Paterson, K., Romelli, Erik, Sauniere, Lucas, Schirmer, Matthias, Sirignano, Chiara, Testera, Gemma, Trifoglio, Massimo, Troja, Antonino, Valenziano, Luca, Copin, Yannick, Frailis, Marco, Kubik, Bogna, Scodeggio, Marco, Proc. SPIE Int. Soc. Opt. Eng., 13092, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 130920O, Yokohama, Japan, 16-21 Jun 2024

10. Toward a universal characterization methodology for conversion gain measurement of CMOS APS: application to Euclid and SVOM, J. Le Graët, A. Secroun, M. Tourneur-Silvain, E. Kajfasz, J.-L. Atteia, O. Boulade, A. Nouvel de la Flèche, H. Geoffray, W. Gillard, S. Escoffier, F. Fortin, N. Fourmanoit, S. Kermiche, H. Valentin, J. Zoubian, Proc. SPIE Int. Soc. Opt. Eng., 13103, SPIE Astronomical Telescopes + Instrumentation 2024 (2024) 131031W, Yokohama, Japan, 16-21 Jun 2024

2022

1. Snowmass 2021 CMB-S4 White Paper, K. Abazajian, A. Abdulghafour, G. E. Addison, P. Adshead, Z. Ahmed, M. Ajello, D. Akerib, S. W. Allen, D.

Alonso, M. Alvarez, M. A. Amin, M. Amiri, A. Anderson, B. Ansarinejad, M. Archipley, K. S. Arnold, M. Ashby, H. Aung, C. Baccigalupi, C. Baker, A. Bakshi, D. Bard, D. Barkats, D. Barron, P. S. Barry, J. G. Bartlett, P. Barton, R. Basu Thakur, N. Battaglia, J. Beall, R. Bean, D. Beck, S. Belkner, K. Benabed, A. N. Bender, B. A. Benson, B. Besuner, M. Bethermin, S. Bhimani, F. Bianchini, S. Biquard, I. Birdwell, C. A. Bischoff, L. Bleem, P. Bocaz, J. J. Bock, S. Bocquet, K. K. Boddy, J. R. Bond, J. Borrill, F. R. Bouchet, T. Brinckmann, M. L. Brown, S. Bryan, V. Buza, K. Byrum, E. Calabrese, V. Calafut, R. Caldwell, J. E. Carlstrom, J. Carron, T. Cecil, A. Challinor, V. Chan, C. L. Chang, S. Chapman, E. Charles, E. Chauvin, C. Cheng, G. Chesmore, K. Cheung, Y. Chinone, J. Chluba, H.-M.S. Cho, S. Choi, J. Clancy, S. Clark, A. Cooray, G. Coppi, J. Corlett, W. Coulton, T. M. Crawford, A. Crites, A. Cukierman, F.-Y. Cyr-Racine, W.-M. Dai, C. Daley, E. Dart, G. Daues, T. de Haan, C. Deaconu, J. Delabrouille, G. Derylo, M. Devlin, E. Di Valentino, M. Dierickx, B. Dober, R. Doriese, S. Duff, D. Dutcher, C. Dvorkin, R. Dunner, T. Eftekhari, J. Eimer, H. E. Bouhargani, T. Elleflot, N. Emerson, J. Errard, T. Essinger-Hileman, G. Fabbian, V. Fanfani, A. Fasano, C. Feng, S. Ferraro, J. P. Filippini, R. Flauger, B. Flaugher, A. A. Fraisse, J. Frisch, A. Frolov, N. Galitzki, P. A. Gallardo, S. Galli, K. Ganga, M. Gerbino, C. Giannakopoulos, M. Gilchriese, V. Gluscevic, N. GoecknerWald, D. Goldfinger, D. Green, P. Grimes, D. Grin, E. Grohs, R. Gualtieri, V. Guarino, J. E. Gudmundsson, I. Gullett, S. Guns, S. Habib, G. Haller, M. Halpern, N. W. Halverson, S. Hanany, E. Hand, K. Harrington, M. Hasegawa, M. Hasselfield, M. Hazumi, K. Heitmann, S. Henderson, B. Hensley, R. Herbst, C. Hervias-Caimapo, J. C. Hill, R. Hills, E. Hivon, R. Hlozek, A. Ho, G. Holder, M. Hollister, W. Holzapfel, J. Hood, S. Hotinli, A. Hryciuk, J. Hubmayr, K. M. Huffenberger, H. Hui, R. Ibanez, A. Ibitoye, M. Ikape, K. Irwin, C. Jacobus, O. Jeong, B. R. Johnson, D. Johnstone, W. C. Jones, J. Joseph, B. Jost, J. H. Kang, A. Kaplan, K. S. Karkare, N. Katayama, R. Keskitalo, C. King, T. Kisner, M. Klein, L. Knox, B. J. Koopman, A. Kosowsky, J. Kovac, E. D. Kovetz, A. Krolewski, D. Kubik, S. Kuhlmann, C.-L. Kuo, A. Kusaka, A. Lahteenmaki, K. Lau, C. R. Lawrence, A. T. Lee, L. Legrand, M. Leitner, C. Leloup, A. Lewis, D. Li, E. Linder, I. Liodakis, J. Liu, K. Long, T. Louis, M. Loverde, L. Lowry, C. Lu, P. Lubin, Y.-Z. Ma, T. Maccarone, M. S. Madhavacheril, F. Maldonado, A. Mantz, G. Marques, F. Matsuda, P. Mauskopf, J. May, H. McCarrick, K. McCracken, J. McMahon, P. D. Meerburg, J.-B. Melin, F. Menanteau, J. Meyers, M. Millea, V. Miranda, D. Mitchell, J. Mohr, L. Moncelsi, M. E. Monzani, M. Moshed, T. Mroczkowski, S. Mukherjee, M. Munchmeyer, D. Nagai, C. Nagarajappa, J. Nagy, T. Namikawa, F. Nati, T. Natoli, S. Nerval, L. Newburgh, H. Nguyen, E. Nichols, A. Nicola, M. D. Niemack, B. Nord, T. Norton, V. Novosad, R. O'Brient, Y. Omori, G. Orlando, B. Osherson, R. Osten, S. Padin, S. Paine, B. Partridge, S. Patil, D. Petravick, M. Petroff, E. Pierpaoli, M. Pilleux, L. Pogosian, K. Prabhu, C. Pryke, G. Puglisi, <u>B. Racine</u>, S. Raghunathan, A. Rahlin, M. Raveri, B. Reese, C. L. Reichardt, M. Remazeilles, A. Rizzieri, G. Rocha, N. A. Roe, K. Rotermund, A. Roy, J. E. Ruhl, J. Saba, N. Sailer, M. Salatino, B. Saliwanchik, L. Sapozhnikov, M. S. Rao, L. Saunders, E. Schaan, A. Schillaci, B. Schmitt, D. Scott, N. Sehgal, S. Shandera, B. D. Sherwin, E. Shirokoff, C. Shiu, S. M. Simon, B. Singari, A. Slosar, D.

Spergel, T. St. Germaine, S. T. Staggs, A. A. Stark, G. D. Starkman, B. Steinbach, R. Stompor, C. Stoughton, A. Suzuki, O. Tajima, C. Tandoi, G. P. Teply, G. Thayer, K. Thompson, B. Thorne, P. Timbie, M. Tomasi, C. Trendafilova, M. Tristram, C. Tucker, G. Tucker, C. Umilta, A. van Engelen, J. van Marrewijk, E. M. Vavagiakis, C. Verges, J. D. Vieira, A. G. Vieregg, K. Wagoner, B. Wallisch, G. Wang, G.-J. Wang, S. Watson, D. Watts, C. Weaver, L. Wenzl, B. Westbrook, M. White, N. Whitehorn, A. Wiedlea, P. Williams, R. Wilson, H. Winch, E. J. Wollack, W. L. K. Wu, Z. Xu, V. G. Yefremenko, C. Yu, D. Zegeye, J. Zivick, A. Zonca, indéfini, (2022), indéfini,

2. The Latest Constraints on Inflationary B-modes from the BICEP/Keck Telescopes, Ade, P.A.R., Ahmed, Z., Amiri, M., Barkats, D., Thakur, R. Basu, Beck, D., Bischoff, C., Bock, J.J., Boenish, H., Bullock, E., Buza, V., Cheshire, J.R., Connors, J., Cornelison, J., Crumrine, M., Cukierman, A., Denison, E.V., Dierickx, M., Duband, L., Eiben, M., Fatigoni, S., Filippini, J.P., Fliescher, S., Giannakopoulos, C., Goeckner-Wald, N., Goldfinger, D.C., Grayson, J., Grimes, P., Halal, G., Hall, G., Halpern, M., Hand, E., Harrison, S., Henderson, S., Hildebrandt, S.R., Hilton, G.C., Hubmayr, J., Hui, H., Irwin, K.D., Kang, J., Karkare, K.S., Karpel, E., Kefeli, S., Kernasovskiy, S.A., Kovac, J.M., Kuo, C.L., Lau, K., Leitch, E.M., Lennox, A., Megerian, K.G., Minutolo, L., Moncelsi, L., Nakato, Y., Namikawa, T., Nguyen, H.T., O'Brient, R., Ogburn, R.W., Palladino, S., Petroff, M., Prouve, T., Pryke, C., Racine, B., Reintsema, C.D., Richter, S., Schillaci, A., Schmitt, B.L., Schwarz, R., Sheehy, C.D., Singari, B., Soliman, A., Germaine, T. St, Steinbach, B., Sudiwala, R.V., Teply, G.P., Thompson, K.L., Tolan, J.E., Tucker, C., Turner, A., Umilta, C., Verges, C., Vieregg, A.G., Wandui, A., Weber, A.C., Wiebe, D.V., Willmert, J., Wong, C.L., Wu, W.L.K., Yang, H., Yoon, K.W., Young, E., Yu, C., Zeng, L., Zhang, C., Zhang, S., indéfini, 56th Rencontres de Moriond on Cosmology (2022), La Thuile, Italy, 23-30 Jan 2022

3. Measurement of telescope transmission using a Collimated Beam Projector, T. Souverin, J. Neveu, M. Betoule, S. Bongard, S. Brownsberger, J. Cohen-Tanugi, S. Dagoret-Campagne, F. Feinstein, C. Juramy, L. Le Guillou, A. L. Van Suu, P. E. Blanc, F. Hazenberg, E. Nuss, B. Plez, E. Sepulveda, K. Sommer, C. Stubbs, N. Regnault, E. Urbach, indéfini, Moriond 2022 Cosmology 23-30 January 2022 (2022), La Thuile, Italy,

4. Design, assembly and validation of the Filter Exchange System of LSSTCam, P. Antilogus, É. Aubourg, A. Boucaud, P. Breugnon, J. Coridian, H. Croizet, G. Daubard, F. Gallo, C. Juramy, P. Karst, M. Kusulja, D. Labat, E. Lagorio, D. Laporte, A. Marini, P. Verdier, F. Vezzu, F. Virieux, T. Weicherding, Proc. SPIE Int. Soc. Opt. Eng., 12182, SPIE Astronomical Telescopes + Instrumentation 2022 (2022) 121823A, Montréal, Canada, 17-22 Jul 2022

5. Improved polarization calibration of the BICEP3 CMB polarimeter at the South Pole, Cornelison, J., Vergès, C., Ade, P.A. R., Ahmed, Z., Amiri, M., Barkats, D., Basu Thakur, R., Beck, D., Bischoff, C.A., Bock, J.J., Buza, V., IV, J.R. Cheshire, Connors, J., Crumrine, M., Cukierman, A.J., Denison, E.V., Dierickx, M.I., Duband, L., Eiben, M., Fatigoni, S., Filippini, J.P., Giannakopoulos, C., Goeckner-Wald, N., Goldfinger, D.C., Grayson,

J., Grimes, P.K., Hall, G., Halal, G., Halpern, M., Hand, E., Harrison, S.A., Henderson, S., Hildebrandt, S.R., Hilton, G.C., Hubmayr, J., Hui, H., Irwin, K.D., Kang, J., Karkare, K.S., Kefeli, S., Kovac, J.M., Kuo, C.L., Lau, K., Leitch, E.M., Lennox, A., Liu, T., Look, K., Megerian, K.G., Minutolo, L., Moncelsi, L., Nakato, Y., Namikawa, T., Nguyen, H.T., O'Brient, R., Palladino, S., Petroff, M.A., Prouve, T., Pryke, C., Racine, B., Reintsema, C.D., Salatino, M., Schillaci, A., Schmitt, B.L., Singari, B., Soliman, A., Germaine, T.St., Steinbach, B., Sudiwala, R.V., Thompson, K.L., Tsai, C., Tucker, C., Turner, A.D., Umiltà, C., Vieregg, A.G., Wandui, A., Weber, A.C., Wiebe, D.V., Willmert, J., Wu, W.L. K., Yang, H., Yoon, K.W., Young, E., Yu, C., Zeng, L., Zhang, C., Zhang, S., Proc. SPIE Int. Soc. Opt. Eng., 12190, SPIE Astronomical Telescopes + Instrumentation 2022 (2022) 829, Montréal, Canada, 17-22 Jul 2022

6. 2022 upgrade and improved low frequency camera sensitivity for CMB observation at the South Pole, Sr., A.Soliman, Ade, P.A. R., Ahmed, Z., Amiri, M., Barkats, D., Basu Thakur, R., Bischoff, C.A., Beck, D., Bock, J.J., Buza, V., Cheshire, J., Connors, J., Cornelison, J., Crumrine, M., Cukierman, A.J., Denison, E.V., Dierickx, M.I., Duband, L., Eiben, M., Fatigoni, S., Filippini, J.P., Giannakopoulos, C., Goeckner-Wald, N., Goldfinger, D.C., Grayson, J., Grimes, P.K., Hall, G., Halal, G., Halpern, M., Hand, E., Harrison, S.A., Henderson, S., Hildebrandt, S.R., Hilton, G.C., Hubmayr, J., Hui, H., Irwin, K.D., Kangh, J., Karkare, K.S., Kefeli, S., Kovac, J.M., Kuo, C.L., Lau, K., Leitch, E.M., Lennox, A., Liu, T., Megerian, K.G., Minutolo, L., Moncelsi, L., Nakato, Y., Namikawa, T., Nguyen, H.T., O'Brient, R., Palladino, S., Petroff, M.A., Precup, N., Prouve, T., Pryke, C., Racine, B., Reintsema, C.D., Salatino, M., Schillaci, A., Schmitt, B.L., Singari, B., Germaine, T.St., Steinbach, B., Sudiwala, R.V., Thompson, K.L., Tsai, C., Tucker, C., Turner, A.D., Umiltà, C., Vergès, C., Vieregg, A.G., Wandui, A., Weber, A.C., Wiebe, D.V., Willmert, J., Wu, W.L. K., Yang, H., Yoon, K.W., Young, E., Yu, C., Zeng, L., Zhang, C., Zhang, S., Proc. SPIE Int. Soc. Opt. Eng., 12190, SPIE Astronomical Telescopes + Instrumentation 2022 (2022) 533, Montréal, Canada, 17-22 Jul 2022

7. Thermal testing for cryogenic CMB instrument optical design, Goldfinger, D.C., Ade, P.A.R., Ahmed, Z., Amiri, M., Barkats, D., Basu Thakur, R., Beck, D., Bischoff, C.A., Bock, J.J., Buza, V., IV, J.Cheshire, Connors, J., Cornelison, J., Crumrine, M., Cukierman, A.J., Denison, E.V., Dierickx, M.I., Duband, L., Eiben, M., Fatigoni, S., Filippini, J.P., Giannakopoulos, C., Goeckner- Wald, N., Grayson, J., Grimes, P.K., Hall, G., Halal, G., Halpern, M., Hand, E., Harrison, S.A., Henderson, S., Hildebrandt, S.R., Hilton, G.C., Hubmayk, J., Hui, H., Irwin, K.D., Kang, J., Karkare, K.S., Kefeli, S., Kovac, J.M., Kuo, C.L., Lau, K., Leitch, E.M., Lennox, A., Liu, T., Megerian, K.G., Minutolo, L., Moncelsi, L., Nakato, Y., Namikawa, T., Nguyen, H.T., O'Brient, R., Palladino, S., Petroff, M.A., Prouve, T., Pryke, C., Racine, B., Reintsema, C.D., Salatino, M., Schillaci, A., Schmitt, B.L., Singari, B., Sr., A.Soliman, Smith, A.G., Germaine, T.St., Steinbach, B., Sudiwala, R.V., Thompson, K.L., Tsai, C., Tucker, C., Turner, A.D., Umiltà, C., Vergès, C., Vieregg, A.G., Wandui, A., Weber, A.C., Wiebe, D.V., Willmert, J., Wu, W.L. K., Yang, H., Yoon, K.W., Young, E., Yu, C., Zeng, L., Zhang, C., Zhang, S., Proc. SPIE Int. Soc. Opt. Eng.,

12190, SPIE Astronomical Telescopes + Instrumentation 2022 (2022) 805, Montréal, Canada, 17-22 Jul 2022

2021

1. Galaxy Image Translation with Semi-supervised Noise- reconstructed Generative Adversarial Networks, Q. Lin, D. Fouchez, J. Pasquet, indéfini, 2020 25th International Conference on Pattern Recognition (ICPR) (2021), Milan, Italy, 10-15 Jan 2021

2020

1. Euclid mission status after mission critical design, Laureijs, R., Racca, G., Mellier, Y., Musi, P., Brouard, L., Boenke, T., Venancio, L.Gaspar, Maiorano, E., Short, A., Strada, P., Altieri, B., Buenadicha, G., Dupac, X., Alvarez, P.Gomez, Hoar, J., Kohley, R., Vavrek, R., Rudolph, A., Schmidt, M., Amiaux, J., Aussel, H., Berthé, M., Cropper, M., Cuillandre, J.C., Dabin, C., Dinis, J., Nakajima, R., Maciaszek, T., Scaramella, R., Silva, A. da, Tereno, I., Williams, O.R., Zacchei, A., Azzollini, R., Bernardeau, F., Brinchmann, J., Brockley-Blatt, C., Castander, F., Cimatti, A., Conselice, C., Ealet, A., Fosalba, P., Gillard, W., Guzzo, L., Hoekstra, H., Hudelot, P., Jahnke, K., Kitching, T., Miller, L., Mohr, J., Percival, W., Pettorino, V., Rhodes, J., Sanchez, A., Sauvage, M., Serrano, S., Teyssier, R., Weller, J., Zoubian, J., Proc. SPIE Int. Soc. Opt. Eng., 11443, SPIE Astronomical Telescopes + Instrumentation 2020 (2020) 114430F, Online, United States, 14-18 Dec 2020

2. Testing the 10 spectrograph units for DESI: approach and results, S. Perruchot, P.-É. Blanc, J. Guy, L. Le Guillou, S. Ronayette, X. Régal, G. Castagnoli, A. Le Van Suu, E. Sepulveda, E. Jullo, J.-G. Cuby, S. Karkar, P. Ghislain, P. Repain, P. H. Carton, C. Magneville, A. Ealet, S. Escoffier, A. Secroun, K. Honscheid, A. Elliott, P. Jelinsky, B. David, D. Peter, Y. Duan, J. Edelstein, J. C. Estrada, E. Gastañaga, A. Karcher, M. Landriau, M. Levi, P. Martini, N. Palanque-Delabrouille, F. Prada, G. Tarle, K. Zhang, Proc. SPIE Int. Soc. Opt. Eng., 11447, SPIE Astronomical Telescopes + Instrumentation 2020 (2020) 1144786, Online, United States, 14-18 Dec 2020

2018

1. Preliminary Calibration of Spherical Proportional Counter for Low Energy Nuclear Recoils, H. Zhang, Z. Wang, C. Tao, C. Dai, N. Zhou, Y. Tao, R. Liu, C. Tang, C. Yang, Springer Proc. Phys., 213, 4th International conference on Technology and Instrumentation in Particle Physics (2018) 101-106, Beijing, China, 22-26 May 2017

2. Measuring the Universe with galaxy redshift surveys, L. Guzzo, J. Bel, D. Bianchi, C. Carbone, B. R. Granett, A. J. Hawken, F. G. Mohammad, A. Pezzotta, S. Rota, M. Zennaro, Toward a Science Campus in Milan, Congress of the Department of Physics Aldo Pontremoli (2018) 1-16, Milan, Italy, 28-29 Jun 2017

3. Euclid: Homogeneity in the search of the Dark Sector, P. Ntelis, A. Ealet, Proceedings 53rd Rencontres de Moriond on Cosmology, 53rd Rencontres de Moriond on Cosmology (2018) 367-370, La Thuile, Italy, 17-24 Mar 2018

4. Detector chain calibration strategy for the Euclid Flight IR H2RGs, R. Barbier, S. Ferriol, B. Kubik, G. Smadja, A. Secroun, J.-C. Clémens, A. Ealet, W. Gillard, J. Zoubian, B. Serra, C. Rosset, R. Kohley, L. Conversi, F. Fornari, C. Buton, Proc. SPIE Int. Soc. Opt. Eng., 10709, SPIE Astronomical Telescopes + Instrumentation 2018 (2018) 107090S, Austin, United States, 10-15 Jun 2018

5. Euclid flight H2RG IR detectors: per pixel conversion gain from on-ground characterization for the Euclid NISP instrument, A. Secroun, J.-C. Clémens, A. Ealet, W. Gillard, B. Serra, J. Zoubian, R. Barbier, S. Ferriol, B. Kubik, C. Rosset, F. Fornari, R. Kohley, L. Conversi, C. Buton, G. Smadja, Proc. SPIE Int. Soc. Opt. Eng., 10709, SPIE Astronomical Telescopes + Instrumentation 2018 (2018) 1070921, Austin, United States, 10-15 Jun 2018

6. Random telegraph signal (RTS) in the Euclid IR H2RGs, R. Kohley, L. Conversi, P.-E. Crouzet, P. Strada, R. Barbier, S. Ferriol, B. Kubik, A. Secroun, J.-C. Clémens, A. Ealet, B. Serra, W. Gillard, C. Rosset, Proc. SPIE Int. Soc. Opt. Eng., 10709, SPIE Astronomical Telescopes + Instrumentation 2018 (2018) 107091G, Austin, United States, 10-15 Jun 2018

7. Integration and testing of the DESI multi-object spectrograph: performance tests and results for the first unit out of ten, S. Perruchot, J. Guy, L. Le Guillou, P. E. Blanc, S. Ronayette, X. Régal, G. Castagnoli, E. Sepulveda, A. L. Suu, E. Jullo, J. G. Cuby, S. Karkar, P. Ghislain, P. Repain, P. H. Carton, C. Magneville, A. Ealet, S. Escoffier, A. Secroun, M. C. Cousinou, K. Honscheid, A. Elliot, P. Jelinsky, D. Brooks, G. Tarlè, SPIE, SPIE Astronomical Telescopes + Instrumentation 2018 (2018) 107027K, Austin, United States, 10-15 Jun 2018

8. The Dark Side of Gravity and the Acceleration of the Universe, F. Henry-Couannier, PoS, EDSU2018, 2nd World Summit on Exploring the Dark Side of the Universe (2018) 047, Point a Pitre, France, 25-29 Jun 2018

2017

1. Precision cosmology with cosmic voids, A. Pisani, Proc. Marcel Grossmann Meeting, 3, 14th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Astrophysics, and Relativistic Field Theories (2017) 2317-2322, Rome, Italy, 12-18 Jul 2015

2016

1. The Dark side of Gravity and LENR, F. Henry- Couannier, J. Condensed Matter Nucl. Sci, 21, Proceedings of the first French Symposium RNBE-2016 on Condensed Matter Nuclear Science (Reactions Nucleaires a Basse Energie) (2016) 59-80, Avignon, France, 18-20 Mar 2016

2. How to test NISP instrument for EUCLID mission in laboratory, A. Costille, M. Carle, C. Fabron, E. Prieto, F. Beaumont, N.-C. Jessen, P. Jakobsen, M. I. Andersen, A. N. Sørensen, F. Grupp, T. Maciaszek, <u>A. Ealet</u>, <u>W. Gillard</u>, <u>J.-C. Clémens</u>, Proc. SPIE, 9904, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave (2016) 99042U, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

3. Low noise flux estimate and data quality control monitoring in EUCLID-NISP cosmological survey, B. Kubik, R. Barbier, P. Calabria, A. Castera, E. Chabanat, F. Charlieu, S.Ferriol, F.Schirra, G. Smadja, <u>J.-C. Clémens</u>, <u>A. Ealet</u>, <u>W. Gillard</u>, <u>A. Secroun</u>, <u>B. Serra</u>, <u>A. Tilquin</u>, <u>J. Zoubian</u>, T. Maciaszek, E. Prieto, Proc. SPIE, 9904, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave (2016) 99045J, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

4. Euclid Near Infrared Spectrometer and Photometer instrument concept and first test results obtained for different breadboards models at the end of phase C, T. Maciaszek, <u>A. Ealet</u>, <u>J.-C. Clémens</u>, <u>W. Gillard</u>, <u>M. Niclas</u>, <u>A. Secroun</u>, <u>B. Serra</u>, K. Jahnke, F. Hormuth, G. Seidel, S. Wachter, E. Prieto, F. Beaumont, W. Bon, A. Bonnefoi, M. Carle, A. Costille, D. Dormoy, F. Ducret, C. Fabron, A. Febvre, B. Foulon, J. Garcia, E. Grassi, P. Laurent, D. Le Mignant, C. Rossin, T. Pamplona, P. Sanchez, S. Vives, R.Barbier, B. Kubik, S. Ferriol, Y. Mellier, A. Caillat, J.-L. Gimenez, L. Martin, J. Amiaux, J.- C. Barrière, M. Berthe, C. Rosset, J.F. Macias-Perez, N. Auricchio, A. De Rosa, E. Franceschi, G. P. Guizzo, G. Morgante, F. Sortino, M. Trifoglio, L. Valenziano, L. Patrizii, T. Chiarusi, F. Fornari, F. Giacomini, A. Margiotta, N. Mauri, L. Pasqualini, G. Sirri, M. Spurio, M. Tenti, R. Travaglini, S. Dusini, F. Dal Corso, F. Laudisio, C. Sirignano, L. Stanco, S. Ventura, E. Borsato, C. Bonoli, F. Bortoletto, A. Balestra, M. D'Alessandro, E. Medinaceli, R. Farinelli, L. Corcione, S.Ligori, F. Grupp, C. Wimmer, C. Padilla, R. Casas, M. Lamensans, I. Lloro, R.Toledo-Moreo, J.Gomez, C. Colodro-Conde, D. Lizán, J. Javier Diaz, P.B. Lilje, C. Toulouse- Aastrup, M.I. Andersen, A. N. Sørensen, P. Jakobsen, A. Hornstrup, N.-C. Jessen, C. Thizy, W. Holmes, U. Israelsson, M. Seiffert, A. Waczynski, René J. Laureijs, G. Racca, J.-C. Salvignol, T. Boenke, P. Strada, Proc. SPIE, 9904, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave (2016) 99040T, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

5. Characterization of H2RG IR detectors for the Euclid NISP instrument, <u>A. Secroun</u>, <u>B. Serra</u>, <u>J.-C. Clémens</u>, R. Legras, P. Lagier, <u>M. Niclas</u>, <u>L. Caillat</u>, <u>W. Gillard</u>, <u>A. Tilquin</u>, <u>A. Ealet</u>, R. Barbier, S. Ferriol, B. Kubik, G. Smadja, E. Prieto, T. Maciaszek, A. N. Sorensen, Proc. SPIE, 9915, High Energy, Optical, and Infrared Detectors for Astronomy VII (2016) 99151Y, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

6. Random telegraph signal (RTS) and other anomalies in the near-infrared detector systems for the Euclid mission, R. Kohley, R. Barbier, B. Kubik, S. Ferriol, <u>J.-C. Clémens</u>, <u>A. Ealet</u>, <u>A. Secroun</u>, L. Conversi, P. Strada, Proc. SPIE, 9915, High Energy, Optical, and Infrared Detectors for Astronomy VII (2016) 99150H, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

7. Modeling effects of common molecular contaminants on the Euclid infrared detectors, W. Holmes, C. McKenney, R. Barbier, H. Cho, A. Cillis, <u>J.-C. Clémens</u>, O. Dawson, G. Delo, <u>A. Ealet</u>, A. Feizi, N. Ferraro, R. Foltz, T. Goodsall, M. Hickey, T. Hwang, U. Israelsson, M. Jhabvala, D. Kahle, Em. Kan, Er. Kan, G. Lotkin, T. Maciaszek, S. McClure, L. Miko, L. Nguyen, S. Pravdo, E. Prieto, T. Powers, M. Seiffert, P. Strada, C. Tucker, K. Turck, A. Waczynski, F. Wang, C. Weber, J. Williams, Proc. SPIE, 9904, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter Wave (2016) 99042R, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

8. Integration and testing of the DESI spectrograph prototype, S. Perruchot, <u>A. Secroun</u>, P.-E. Blanc, S. Ronayette, X. Régal, G. Castagnoli, A. Le Van Suu, <u>A. Ealet</u>, J.-G. Cuby, A. Elliot, K. Honscheid, P. Jelinsky, Proc. SPIE, 9908, Ground-based and Airborne Instrumentation for Astronomy VI (2016) 99087W, Edinburgh, United Kingdom, 26 Jui - 01 Jui 2016

9. Performance Overview of the Euclid Infrared Focal Plane Detector Subsystems, A. Waczynski, R. Barbier, S. Cagiano, J. Chen, S. Cheung, H. Cho, A. Cillis, <u>J.-C. Clémens</u>, O. Dawson, G. Delo, M. Farris, A. Feizi, R. Foltz, M. Hickey, W. Holmes, T. Hwang, U. Israelsson, M. Jhabvala, D. Kahle, E. Kan, E. Kan, M. Loose, G. Lotkin, L. Miko, L. Nguyen, E. Piquette, T. Powers, S. Pravdo, A. Runkle, M. Seiffert, P. Strada, C. Tucker, K. Turck, F. Wang, C. Weber, J. Williams, Proc. SPIE Int. Soc. Opt. Eng., 9915, High Energy, Optical, and Infrared Detectors for Astronomy VII (2016) 991511, Edinburgh, United Kingdom, 26 Jun - 01 Jul 2016

10. The Euclid mission design, G.-D. Racca, R. Laureijs, L. Stagnaro, J.-C. Salvignol, J.-L. Alvarez, G.-S. Criado, L.-G. Venancio, A. Short, P. Strada, T. Boenke, C. Colombo, A. Calvi, E. Maiorano, O. Piersanti, S. Prezelus, P. Rosato, J. Pinel, H. Rozemeijer, V. Lesna, P. Musi, M. Sias, A. Anselmi, V. Cazaubiel, L. Vaillon, Y. Mellier, J. Amiaux, M. Berthe, M. Sauvage, R. Azzollini, M. Cropper, S. Pottinger, K. Jahnke, <u>A. Ealet</u>, T. Maciaszek, F. Pasian, A. Zacchei, R. Scaramella, J. Hoar, R. Kohley, R. Vavrek, A. Rudolph, M. Schmidt, Proc. SPIE, 9904, Space Telescopes and Instrumentation 2016: Optical, Infrared, and Millimeter (2016) 99040O, Edinburgh, United Kingdom, 26 Jui 2016 - 1 Jui 2016

11. Discovering Injective Mapping Between Relations in Astrophysics Databases, N. Stancioiu, L. Nourine, J.-M. Petit, V.-M. Scuturici, D. Fouchez, E. Gangler, P. Gris, indéfini, Astrophysics Databases. Information Search, Integration, and Personalization 11th International Workshop (2016), Lyon, France,

2015

1. Euclid space mission: a cosmological challenge for the next 15 years, R. Scaramella, Y. Mellier, J. Amiaux, C. Burigana, C.S. Carvalho, J.C. Cuillandre, A. da Silva, J. Dinis, A. Derosa, E. Maiorano, P. Franzetti, B. Garilli, M. Maris, M. Meneghetti, I. Tereno, S. Wachter, L. Amendola, M. Cropper, V. Cardone, R. Massey, S. Niemi, H. Hoekstra, T. Kitching, L. Miller, T. Schrabback, E. Semboloni, A. Taylor, M. Viola, T. Maciaszek, <u>A. Ealet</u>,

L. Guzzo, K. Jahnke, W. Percival, F. Pasian, M. Sauvage, indéfini, 306, Statistical Challenges in 21st Century Cosmology, Proceedings IAU Symposium (2015), indéfini,

2. Characterization of Euclid-like H2RG IR detectors for the NISP instrument, B. Serra, A. Secroun, J-C. Clémens, P. Lagier, M. Niclas, L. Caillat, J. Rodriguez- Ferreira, W. Gillard, A. Tilquin, A. Ealet, R. Barbier, B. Kubik, G. Smadja, S. Ferriol, E. Prieto, T. Maciaszek, A. Norup Sorensen, Proc. SPIE, 9602, UV/Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts VII (2015) 96020G, San Diego, CA, United States, 9-13 Aug 2015

3. EUCLID detector system demonstrator model: a first demonstration of the NISP detection system, J.-C. Clémens, B. Serra, M. Niclas, A. Ealet, W. Gillard, A. Secroun, R. Barbier, B. Kubik, S. Ferriol, G. Smadja, E. Prieto, F. Beaumont, C. Fabron, J. Garcia, E. Grassi, T. Maciaszek, Proc. SPIE, 9602, UV/Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts VII (2015) 96020Y, San Diego, CA, United States, 9-13 Aug 2015

2014

1. Instrument Simulations of the EUCLID/NISP Spectrometer, J. Zoubian, M. Kümmel, S. Kermiche, N. Apostolakos, A. Chapon, A. Ealet, P. Franzetti, B. Garilli, E. Jullo, L. Paioro, ASP, 485, Astronomical Data Analysis Software and Systems XXIII. (2014) 509, Hawaii, USA, indéfini, 29 Sep - 3 Oct 2013

2. Characterization of infrared detectors for the Euclid NISP instrument: facilities design and validation, A. Secroun, B. Serra, J.-C. Clémens, P. Lagier, M. Niclas, A. Ealet, M.-I. Andersen, R. Barbier, E. Chabanat, B. Kubik, T. Maciaszek, A. Norup Sorensen, E. Prieto., G. Smadja, indéfini, International Symposium on Reliability of Optoelectronics for Systems (ISROS 2014) (2014), Toulouse, France, 16-20 Jun 2014

3. Euclid near infrared spectrophotometer instrument concept and first test results at the end of phase B, T. Maciaszek, A. Ealet, K. Jahnke, E. Prieto, R. Barbier, Y. Mellier, A. Costille, F. Ducret, C. Fabron, J.-L. Gimenez, R. Grange, L. Martin, C. Rossin, T. Pamplona, P. Vola, J. C. Clémens, G. Smadja, J. Amiaux, J. C. Barrière, M. Berthe, A. De Rosa, E. Franceschi, G. Morgante, M. Trifoglio, L. Valenziano, C. Bonoli, F. Bortoletto, M. D'Alessandro, L. Corcione, S. Ligori, B. Garilli, M. Riva, F. Grupp, C. Vogel, F. Hormuth, G. Seidel, S. Wachter, J. J. Diaz, F. Grañena, C. Padilla, R. Toledo, P. B. Lilje, B. G. Solheim, C. Toulouse-Aastrup, M. Andersen, W. Holmes, U. Israelsson, M. Seiffert, C. Weber, A. Waczynski, R. Laureijs, G. Racca, J.-C. Salvignol, P. Strada, Proc. SPIE Int. Soc. Opt. Eng., 9143, 91430K, SPIE Space Telescopes and Instrumentation 2014 (2014), Montreal, Canada, 22-27 Jun 2014

2013

1. A European vision for a "Polar Large Telescope" project, L. Abe, N. Epchtein, W. Ansorge, S. Argentini, I. Bryson, M. Carbillet, G. Dalton, C. David, I.

Esau, C. Genthon, M. Langlois, T. Le Bertre, R. Lemrani, B. Le Roux, G. Marchiori, D. Mékarnia, J. Montnacher, G. Moretto, P. Prugniel, J.-P. Rivet, E. Ruch, <u>C. Tao</u>, <u>A. Tilquin</u>, I. Vauglin, indéfini, 288, Astrophysics from Antarctica, Proceedings of the International Astronomical Union, IAU Symposium (2013) 243-250, Beijing, China, 20-24 Aug 2012

2. Modelling the relative velocities of isolated pairs of galaxies, <u>V. Gonzalez-Perez</u>, E. Jennings, <u>M.-C. Cousinou</u>, <u>S. Escoffier</u>, <u>A. Tilquin</u>, <u>A. Ealet</u>, SF2A, Annual meeting of the French Society of Astronomy and Astrophysics (SF2A-2013) (2013), Montpellier, France, 4-7 Jun 2013

2012

1. Astrophysical Constraints on Dark Matter, <u>C. Tao</u>, EAS Publications Series, 53, Proceedings of the 3rd International conference on Directional Detection of Dark Matter (CYGNUS 2011) (2012) 97-104, Aussois, France, 7-10 Jun 2011

2. The EUCLID NISP Detectors System, <u>C. Cerna</u>, <u>J.-C. Clemens</u>, <u>A. Ealet</u>, G. Smadja, A. Castera, <u>F. Marmol</u>, C. Bonoli, F. Bortoletto, L. Corcione, <u>P.-E. Crouzet</u>, L. Duvet, P. Ferruit, E. Giro, A. Jung, S. Ligori, L. Martin, T. Maciaszek, E. Prieto, M. Sirianni, P. Strada, Proc. SPIE, 8453, High Energy, Optical, and Infrared Detectors for Astronomy V (2012) 8453-36, Amsterdam, Netherlands, 1-4 Jul 2012

3. Comparison of Hybrid and SIDECAR ASIC Measurements, <u>F. Marmol</u>, G. Smadja, <u>C. Cerna</u>, A. Castera, <u>A. Chapon</u>, <u>A. Ealet</u> , Proc. SPIE, 8453, High Energy, Optical, and Infrared Detectors for Astronomy V (2012) 845330, Amsterdam, Netherlands, 1-4 Jul 2012

4. Euclid: ESAs Mission to Map the Geometry of the Dark Universe, R.-J. Laureijs, P. Gondoin, L. Duvet, G. Saavedra Criado, J.Hoar, J. Amiaux, J.-L. Auguères, R. E. Cole, M. Cropper, <u>A. Ealet</u>, P. Ferruit, I. Escudero-Sanz, K. Jahnke, R. Kohley, T. Maciaszek, Y. Mellier, T. Oosterbroek, F. Pasian, M. Sauvage, R. Scaramella, M. Sirianni, L. Valenziano, Proc. SPIE, 8442, Space Telescopes and Instrumentation 2012: Optical, Infrared, and Millimeter Wave (2012) 84420T, Amsterdam, Netherlands, 1-6 Jul 2012

5. Euclid near-infrared spectrophotometer instrument concept at the end of the phase A study, E. Prieto, J. Amiaux, J.-L. Auguères, J.-C. Barrière, C. Bonoli, F. Bortoletto, <u>C. Cerna</u>, L. Corcione, L. Duvet, <u>A. Ealet</u>, B. Garilli, P. Gondoin, R. Grange, F. Grupp, K. Jahnke, R. J. Laureijs, O. Le Fevre, S. Ligori, T. Maciaszek, J. Martignac, L. Martin, G. Morgante, Y. Mellier, T. Pamplona, M. Riva, C. Rossin, G. Seidel, G. Smadja, R. Toledo-Moreo, M. Trifoglio, L. Valenziano, F. Zerbi, Proc. SPIE, 8442, Space Telescopes and Instrumentation 2012: Optical, Infrared, and Millimeter Wave (2012) 84420W, Amsterdam, Netherlands, 1-6 Jul 2012

6. Space-borne survey instrument operations: lessons learned and new concepts for the Euclid NISP instrument, L. Valenziano, A. Gregorio, R. C. Butler, J. Amiaux, C. Bonoli, F. Bortoletto, C. Burigana, L. Corcione, <u>A. Ealet</u>, M. Frailis, K. Jahnke, S. Ligori, E. Maiorano, G. Morgante, L. Nicastro, F.

Pasian, M. Riva, R. Scaramella, F. Schiavone, D. Tavagnacco, R. Toledo-Moreo, M. Trifoglio, A. Zacchei, F. M. Zerbi, T. Maciaszek, Proc. SPIE, 8448, Observatory Operations: Strategies, Processes, and Systems IV (2012) 844804, Amsterdam, Netherlands, 1-6 Jul 2012

7. Euclid Mission: building of a Reference Survey, J. Amiaux, R. Scaramella, Y. Mellier, B. Altieri, C. Burigana, A. Da Silva, P. Gomez, J. Hoar, R. Laureijs, E. Maiorano, D. Magalhaes Oliveira, F. Renk, G. Saavedra Criado, I. Tereno, J.L. Augueres, J. Brinchmann, M. Cropper, L. Duvet, <u>A. Ealet</u>, P. Franzetti, B. Garilli, P. Gondoin, L. Guzzo, H. Hoekstra, R. Holmes, K. Jahnke, T. Kitching, M. Meneghetti, W. Percival, S. Warren, Proc. SPIE, 8442, Space Telescopes and Instrumentation 2012: Optical, Infrared, and Millimeter Wave (2012) 84420Z, Amsterdam, Netherlands, 1-6 Jul 2012

8. The ELG target selection with the BOSS survey, <u>S. Escoffier</u>, J. Comparat, <u>A. Ealet</u>, J.-P. Kneib, J. Zoubian, F. Lamareille, SF2A, Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics (SF2A-2012) (2012) 427-431, Nice, France, 5-8 Jun 2012

2011

1. Cosmology with the Nearby Supernova Factory, M. Kerschhaggl, G. Aldering, P. Antilogus, C. Aragon, S. Bailey, C. Baltay, S. Bongard, C. Buton, A. Canto, M. Childress, N. Chotard, Y. Copin, H.- K. Fakhouri, E. Gangler, E.- Y. Hsiao, M. Kowalski, S. Loken, P. Nugent, K. Paech, R. Pain, E. Pecontal, R. Pereira, S. Perlmutter, D. Rabinowitz, K. Runge, R. Scalzo, G. Smadja, <u>C. Tao</u>, R. C. Thomas, C. Wu, Prog. Part. Nucl. Phys, 66, International Workshop on Nuclear Physics, 32nd Course, Erice (2011) 335-339, Sicile, Italy, 16-24 Sep 2010

2. Confronting 2D Delayed-Detonation Models with Light Curves and Spectra of Type Ia Supernovae, <u>S. Blondin</u>, Mon. Not. Roy. Astron. Soc, 417, Supernovae and their host galaxies (2011) 1280, Sydney, Australia, 20-24 Jun 2011

3. Local host galaxy properties of type Ia supernovae from the Nearby SuperNovae Factory, M. Rigault, Y. Copin, G. Aldering, P. Antilogus, C. Aragon, C. Baltay, S. Bongard, C. Buton, A. Canto, M. Childress, N. Chotard, H. K. Fakhouri, E. Gangler, E. Y. Hsiao, M. Kerschhaggl, M. Kowalski, S. Loken, P. Nugent, K. Paech, R. Pain, E. Pecontal, R. Pereira, S. Perlmutter, D. Rabinowitz, K. Runge, R. Scalzo, G. Smadja, <u>C. Tao</u>, R. C. Thomas, B. A. Weaver, C. Wu, SF2A, Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics (SF2A-2011) (2011) 179-183, Paris, France, 20-23 Jun 2011

2010

1. The Nearby Supernova Factory dataset-improving SNe Ia as dark energy probes, R. Pereira, G. Aldering, P. Antilogus, C. Aragon, S. Bailey, C. Baltay, S. Bongard, C. Buton, M. Childress, N. Chotard, Y. Copin, E. Gangler, S. Loken, P. Nugent, R. Pain, E. Pecontal, S. Perlmutter, D.

44

Rabinowitz, G. Rigaudier, K. Runge, R. Scalzo, G. Smadja, H. K. Fakhouri, C. Tao, R. C. Thomas, C. Wu, AIP Conf. Proc, 1241, Proceedings of the Invisible Universe Conference (2010) 259-266, Paris, France, 29 Jun - 3 Jul 2009

2. Calibration of the LSST instrumental and atmospheric photometric passbands, D. Burke, T. Axelrod, A. Barrau, S. Baumont, S. Blondin, C. Claver, A. Gorecki, Z. Ivezic, L. Jones, V. Krabbendam, M. Liang, A. Saha, A. Smith, R. C. Smith, C. W. Stubbs, C. Vescovi, LSST Project Team, SPIE, 7737, Observatory Operations: Strategies, Processes, and Systems III. (2010) 77371D, San Diego, United States, 2-7 Jun 2010

3. A simple optical design for a space Dark Energy Mission, R. Grange, B. Milliard, J.-P. Kneib, A. Ealet, SPIE, 7731, Space Telescopes and Instrumentation 2010: Optical, Infrared, and Millimeter Wave (2010) 77313H, San Diego, CA, United States, 27 Jun - 2 Jul 2010

4. Extraction of the frequency spectrum of the noise of a HAWAII2RG NIR detector and impact on low-flux measurements, C. Cerna, G. Smadja, A. Castera, A. Ealet, SPIE, 7742, High Energy, Optical, and Infrared Detectors for Astronomy IV (2010) 77421J, San Diego, CA, United States, 27-30 Jun 2010

présentation orale

2024

1. Experience with Winlight for Spectrographs, **S. Escoffier**, Spec-S5 Instrumentation Workshop, Chicago, United States, 27-29 Feb 2024

2. Status of the Euclid mission in flight, **S. Escoffier**, GDR CoPhy Annual meeting, Lyon, France, 21-23 May 2024

3. Unravelling Cosmology with Cosmic voids, **A. Pisani**, GDR CoPhy Annual meeting, Lyon, France, 21-23 May 2024

4. LSST: a unique survey set to start in one year, P. Antilogus, **D. Fouchez**, Tianguan International Research Project (IRP) meeting, Frejus, France, 7-9 Oct 2024

5. Dark Gravity confronted with Supernovae, Baryonic Oscillations and the Cosmic Microwave Background, **F. Henry-Couannier**, 17th Marcel Grossmann meeting, Pescara, Italy, 7-12 Jul 2024

6. Unravelling Cosmology with Cosmic voids, **A. Pisani**, New Strategies for Extracting Cosmology from Galaxy Surveys, 2nd edition, Sexten, Italy, 3 Jul 2024

7. Cosmological Surveys: What They Reveal About the Universe, **S. Escoffier**, Tianguan International Research Project (IRP) meeting, Frejus, France, 7-9 Oct 2024

8. Unravelling Cosmology with Cosmic voids, **A. Pisani**, Joint Astrophysics Colloquium at ESO, Munich, Allemagne, 11 Nov 2024

2022

1. The Euclid mission: status and prospects, **S. Escoffier**, Colloque national Action Dark Energy (ADE), Marseille, France, 17-18 Nov 2022

2021

1. Cosmology from spectroscopic galaxy surveys, **S. Escoffier**, Workshop "Massively Parallel Large Area Spectroscopy from Space", remote, France, 21-23 Jun 2021

2020

1. Cosmology with cosmic voids, **S. Escoffier**, Theory meeting experiments: particle astrophysics and cosmology (TMEX 2020), Quy Nhon, Vietnam, 5-11 Jan 2020

2019

1. A CNN adapted to time series for the classification of Supernovae, A. Brunel, J. Pasquet J. Pasquet, N. Rodriguez, F. Comby, <u>D. Fouchez</u>, M. Chaumont, 2019 IS&T International Symposium on Electronic Imaging, Burlingame, CA, United States, 13-17 Jan 2019

2018

1. Euclid Near Infrared Spectrometer and Photometer instrument description frozen at the Critical Design Review, T. Maciaszek, <u>A. Ealet</u>, <u>J.-C. Clemens</u>, <u>W. Gillard</u>, <u>M. Niclas</u>, <u>A. Secroun</u>, <u>B. Serra</u>, Space Telescopes and Instrumentation, Austin, Texas, United States, 10-15 Jun 2018

2. Integration and testing of the DESI multi-object spectrograph: performance tests and results for the first unit out of ten, S. Perruchot, J. Guy, L. Le Guillou, P. E. Blanc, S. Ronayette, X. Régal, G. Castagnoli, E. Sepulveda, A. L. Suu, E. Jullo, J. G. Cuby, S. Karkar, P. Ghislain, P. Repain, P. H. Carton, C. Magneville, <u>A. Ealet</u>, <u>S. Escoffier</u>, <u>A. Secroun</u>, <u>M. C. Cousinou</u>, K. Honscheid, A. Elliot, P. Jelinsky, D. Brooks, G. Tarlè, SPIE Astronomical Telescopes + Instrumentation 2018, Austin, United States, 10-15 Jun 2018

2015

1. Characterization of Euclid-like H2RG IR detectors for the NISP instrument, **B. Serra**, SPIE Optics Photonics 2015: UV/Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts VII, San Diego, CA, United States, 9-13 Aug 2015

2014

1. Characterization of infrared detectors for the Euclid NISP instrument: facilities design and validation, **B. Serra**, International Symposium on Reliability of Optoelectronics for Systems, Toulouse, France, 16-20 Jun 2014

2013

1. Cosmology with current and future wide field imagers, **A. Ealet**, 25th Rencontres de Blois on "Particle Physics and Cosmology", Blois, France, 3-1 May 2013

2. Euclid: cartographie de l'Univers sombre, **A. Chapon**, Congrès général de la SFP 2013, Marseille, France, 1-5 Jul 2013

3. Dark Matter: What do we really know?, **C. Tao**, Windows on the Universe, Quy Nhon, Vietnam, 12-17 Aug 2013

2012

1. The EUCLID NISP Detectors System, **C. Cerna**, <u>J.-C. Clemens</u>, <u>A. Ealet</u>, G. Smadja, A. Castera, <u>F. Marmol</u>, C. Bonoli, F. Bortoletto, L. Corcione, <u>P.-E. Crouzet</u>, L. Duvet, P. Ferruit, E. Giro, A. Jung, S. Ligori, L. Martin, T. Maciaszek, E. Prieto, M. Sirianni, P. Strada, High Energy, Optical, and Infrared Detectors for Astronomy V, Proccedings SPIE, Amsterdam, Netherlands, 1-4 Jul 2012

2. Comparison of Hybrid and SIDECAR ASIC Measurements, **F. Marmol**, G. Smadja, <u>C. Cerna</u>, A. Castera, <u>A. Chapon</u>, <u>A. Ealet</u> , High Energy, Optical, and Infrared Detectors for Astronomy V, Proccedings SPIE, Amsterdam, Netherlands, 1-4 Jul 2012

3. The Euclid NISP Detector System, **J.-C. Clemens**, SPIE Astronomical Telescopes Instrumentation 2012, Amsterdam, indéfini, 1-5 Jul 2012

2011

1. Dark Energy Projects in Cosmology in the Second Decade, **C. Tao**, 21st Century, Pekin, China, 1-9 Mar 2011

2. Sino-French Collaboration on the Dark Universe, **C. Tao**, 4th France China Particle Physics Laboratory Workshop (FCPPL 2011), Jinan, China, 7-9 Apr 2011

3. Qu'est ce qui se cache derrière le vide, **A. Ealet**, Conférences 2010/2011 de la SFP - Section Alsace, Strasbourg, France, 1-8 May 2011

4. Astrophysical Constraints on Dark Matter, **C. Tao**, 3rd Workshop on directional detection of Dark Matter CYGNUS 2011, Aussois, France, 7-10 Jun 2011

5. Astrophysical Constraints on Dark Matter, **C. Tao**, Proceedings of the 3rd International conference on Directional Detection of Dark Matter (CYGNUS 2011) EAS Publications Series, Aussois, France, 7-10 Jun 2011

6. Confronting 2D Delayed-Detonation Models with Light Curves and Spectra of Type Ia Supernovae, **S. Blondin**, Supernovae and their host galaxies, Sydney, Australia, 20-24 Jun 2011

2010

1. Extraction of the frequency spectrum of the noise of a HAWAII2RG NIR detector and impact on low-flux measurements, <u>C. Cerna</u>, G. Smadja, A. Castera, <u>A. Ealet</u>, High Energy, Optical, and Infrared Detectors for Astronomy IV, San Diego, CA, United States, 27-30 Jun 2010

2. An integral field spectrograph for supernovae in space, **A. Ealet**, IFU Workshop: An IFU for WFIRST, Baltimore, United States, 2-8 Oct 2010

3. R
D in Astrophotonics, **C. Tao**, IFU Spectrographs, Lijiang, China, 8 Nov 2010

affiche

2024

1. SN Ia and large-scale structure: voids, clusters and peculiar velocities, <u>D. Rosselli</u>, 58th rencontre de Moriond - Cosmology, La Thuile, Italy, 31 Mar - 7 Apr 2024

2015

1. EUCLID detector system demonstrator model: a first demonstration of the NISP detection system, <u>J.-C. Clémens</u>, <u>B. Serra</u>, <u>M. Niclas</u>, <u>A. Ealet</u>, <u>W. Gillard</u>, <u>A. Secroun</u>, R. Barbier, B. Kubik, S. Ferriol, G. Smadja, E. Prieto, F. Beaumont, C. Fabron, J. Garcia, E. Grassi, T. Maciaszek, SPIE Optics Photonics 2015: UV/Optical/IR Space Telescopes and Instruments: Innovative Technologies and Concepts VII, San Diego, CA, United States, 9-13 Aug 2015

2013

1. The pairwise velocity of galaxy pairs, **V. Gonzalez- Perez**, <u>S. Escoffier</u>, <u>M.-C. Cousinou</u>, <u>A. Tilquin</u>, Ripples in the Cosmos, Durham, United Kingdom, 22-26 Jul 2013

rapport

2021

1. The Dark side of Gravity (living review), <u>F. Henry-Couannier,</u>

2018

1. Euclid NISP-S simulations for the Scientific Challenges #4, #5 & #6, T. Auphan, A. Ealet, N. Fourmanoit, S. Kermiche, D. Laugier, J. Zoubian, EUCL-CPP-TN-8-012

2017

1. Validations for NIS data products, T. Auphan, A. Ealet, N. Fourmanoit, S. Kermiche, J. Zoubian, EUCL-CPP-TN-8-009

2. Euclid NISP-S simulations for the Scientific Challenge #3, T. Auphan, A. Ealet, N. Fourmanoit, S. Kermiche, D. Laugier, J. Zoubian, EUCL-CPP-TN-8-010

2016

1. Euclid NISP-S simulations for the Scientific Challenge #2, A. Ealet, N. Fourmanoit, S. Kermiche, J. Zoubian, EUCL-CPP-TN-8-007

2. TIPS v2.1 Release Document, L. Caillat, A. Ealet, N. Fourmanoit, S. Kermiche, EUCL-CPP-SW-8-001

3. Euclid Science Ground Segment PAQA Report, A. Ealet, N. Fourmanoit, S. Kermiche, L. Caillat, EUCL-CPP-QR-8-002

2015

1. Scientific Challenge #1b results using NISP-S - TIPS simulator, A. Ealet, N. Fourmanoit, S. Kermiche, J. Zoubian, EUCL-CPP-TN-8-006

2. Euclid OUSIM Data model, A. Ealet, S. Kermiche, J. Zoubian, EUCLCPPICD8001

2014

1. Euclid NISP simulations software – TIPS - Implementation plan under the French production SDC – CCIN2P3, A. Ealet, N. Fourmanoit, S. Kermiche, J. Zoubian, EUCL-CPP-TN-8-005

2013

1. Cosmic ray impact on NISP spectroscopic performance, A. Ealet, A. Chapon, J. Zoubian, K. Ganga, EUCL-CPP-TN-7-002

2. CMU Impact on Spectroscopy: Synthesis Note, A. Ealet, J. Walsh, M. Kuemmel, B. Garilli, M. Scodeggio, J. Zoubian, P. Franzetti, E. Prieto, EUCL-CPP-TN-7-003

3. TIPS: A prototype for pixel simulations of the Euclid NISP spectrometer - Descritpion document, A. Ealet, N. Fourmanoit, S. Kermiche, J. Zoubian, EUCL-CPP-TN-8-001

4. TIPS: A prototype for pixel simulations of the Euclid NISP spectrometer - Implementation plan, A. Ealet, N. Fourmanoit, S. Kermiche, J. Zoubian, EUCL-CPP-TN-8-002

5. TIPS: A prototype for pixel simulations of the Euclid NISP spectrometer - Testing document, <u>A. Ealet</u>, <u>N. Fourmanoit</u>, <u>S. Kermiche</u>, <u>J. Zoubian</u>, EUCL-CPP-TR-8-001

6. TIPS: A prototype for pixel simulations of the Euclid NISP spectrometer - Development plan, <u>A. Ealet</u>, <u>N. Fourmanoit</u>, <u>S. Kermiche</u>, <u>J. Zoubian</u>, EUCL-CPP-DVP-8-001

7. NI-SCS Compliance Matrix, <u>J.-C. Clemens</u>, EUCL- CPP-OTH-7-001

8. NISP spectroscopy science budget justification, <u>A. Ealet</u>, E. Prieto, EUCL-CPP-RP-7-001

9. NISP calibration plan, <u>A. Ealet</u>, K. Jahnke, G. Seidel, R. Holmes, J. Walsh, G. Smadja, S. Wachter, R. Barbier, EUCL-CPP-PL-7-002

10. The readout processing : fit error and chi2 justification, <u>A. Chapon</u>, <u>A. Tilquin</u>, <u>A. Ealet</u>, EUCL-CPP-TN-7-005

11. Running Euclid NISP simulations , using TIPS software , under the French production SDC - CCIN2P3 : Tests/Performances/Resources estimations, <u>A. Ealet</u>, <u>S. Kermiche</u>, <u>J. Zoubian</u>, EUCL-CPP-TN-8-003

2012

1. NISP Performance Analysis Report, <u>A. Ealet</u>, K. Jahnke, B. Garilli, G. Seidel, R. Holmes, P. Franzetti, E. Rossetti, <u>J. Zoubian</u>, <u>F. Marmol</u>, EUCL-MPI- NPS-RP-00079

2. Euclid NISP Instrument Development Plan, T. Maciasdek, <u>A. Ealet</u>, et al, EUCL-CNE-NSP-PL-00088

mémoire

2025

1. Cosmological constraints by tomographic galaxy clustering with Euclid data, Vincent Duret, Aix-Marseille Université, 13 Mar 2025

2. Large-Scale Structure Cosmology : A Joint-Space Approach to Redshift-Space Distortions and Low-Redshift Clustering Probes, V. Aronica, Aix-Marseille Université, 15 Sep 2025

3. Low-redshift type Ia supernovae as tracers of the velocity field to measure the growth rate of cosmic structures with LSST, D. Rosselli, Aix-Marseille Université, 25 Sep 2025

4. Cosmic voids in modern Cosmology: from CMB lensing cross- correlations to dynamical void identification, S. Sartori, Aix- Marseille Université, 13 Nov 2025

2024

1. Advancements towards precision cosmology with Void-Lensing: Observational aspects and modeling, R. Isquierdo Boschetti, Aix- Marseille Université, 06 Fev 2024

2. Des échelles linéaires aux échelles non linéaires : analyse du regroupement des galaxies et des vitesses particulières pour contraindre l'énergie noire, Dumerchat, T., Aix-Marseille Université, 15 Oct 2024

3. Modélisation avancée de la réponse pixel des détecteurs CMOS : décorrélation des paramètres et application à Euclid et SVOM, J. Le Graet, Aix-Marseille Université, 30 Oct 2024

2023

1. Détermination du taux de croissance des structures avec les supernovae de type Ia à partir du relevé photométrique ZTF, B. Carreres, Aix-Marseille Université, 29 Sep 2023

2. Searching for Primordial Gravitational Waves in the B-mode Polarization of the CMB, B. Racine, Aix-Marseille Université, 14 Sep 2023

3. Dark Energy with Spectroscopic Observations of the Universe, J. Bautista, Aix-Marseille Université, 24 Oct 2023

2021

1. A new Monte Carlo method for galaxy clustering analysis, P. Baratta , Aix Marseille Université, 15 Jan 2021

2. Étude cosmologique de la structure à grande échelle dans le sondage spectroscopique eBOSS, R. Paviot, Aix Marseille Université, 15 Nov 2021

3. Deep Learning methods applied to large astrophysical imaging surveys, Q. Lin, Aix Marseille Université, 01 Dec 2021

4. Extraction optimale des paramètres cosmologiques en préparation de la mission Euclid, S. Gouyou Beauchamps, Aix Marseille Université, 15 Dec 2021

2020

1. Contraintes cosmologiques avec les vides cosmiques dans eBOSS, M. Aubert, Aix Marseille Université, 16 Dec 2020

2019

1. Astronomical image processing from large all-sky photometric surveys for the detection and measurement of type Ia supernovae, J. P. Reyes Gomez , Aix Marseille Université, 23 Mai 2019

2016

1. Caractérisation des détecteurs infrarouges de la mission spatiale Euclid. : Etude des performances des détecteurs infrarouges H2RG., B. Serra, Aix Marseille Université, 21 Mar 2016

2010

1. Etude des supernovae de type Ia dans leur environnement à l'aide du SuperNova Legacy survey et des données du COSMic evOlution Survey, R. Fromholtz, Université de la Méditerranée - Aix-Marseille II, 13 Oct 2010