

PUBLICATIONS RENOIR – 06 DEC 2023

article

2023

1. Astrophysics with the Laser Interferometer Space Antenna, Amaro-Seoane, Pau *et al.*, LISA Collaboration, Living Rev.Rel. 26 (2023) 2.
2. Euclid: Forecasts from the void-lensing cross-correlation, M. Bonici *et al.*, Euclid Collaboration, Astron. Astrophys. 670 (2023) A47
3. 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
4. Euclid: Testing the Copernican principle with next- generation surveys, D. Camarena *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A68
5. 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
6. 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
7. Euclid: Calibrating photometric redshifts with spectroscopic cross-correlations, K. Naidoo *et al.*, Euclid Collaboration, Astron. Astrophys. 670 (2023) A149
8. The PAU Survey & Euclid: Improving broad-band photometric redshifts with multi-task learning, L. Cabayol *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A153
9. 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.
10. Euclid preparation: XXII. Selection of Quiescent Galaxies from Mock Photometry using Machine Learning, A. Humphrey *et al.*, Euclid Collaboration, Astron. Astrophys. 671 (2023) A99
11. 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
12. Efficient Computation of Super-Sample Covariance for Stage IV Galaxy Surveys, F. Lacasa *et al.*, Astron. Astrophys. 671 (2023) A115
13. BICEP/Keck XVI. Characterizing Dust Polarization through Correlations with Neutral Hydrogen, Ade, P.A. R. *et al.*, Astrophys. J 945 (2023) 72

14. 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
15. 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
16. 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

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: XV. Forecasting cosmological constraints for the Euclid and CMB joint analysis, Ilić, S. *et al.*, Euclid Collaboration, *Astron. Astrophys.* 657 (2022) A91
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: I. The Euclid Wide Survey, Scaramella, R. *et al.*, Euclid Collaboration, *Astron. Astrophys.* 662 (2022) A112
7. Euclid: Forecasts from redshift-space distortions and the Alcock-Paczynski test with cosmic voids, Hamaus, N. *et al.*, Euclid Collaboration, *Astron. Astrophys.* (2022)
8. Impact of survey geometry and super-sample covariance on future photometric galaxy surveys, S. Gouyou Beauchamps *et al.*, *Astron. Astrophys.* 659 (2022) A128
9. Euclid: Constraining ensemble photometric redshift distributions with stacked spectroscopy, Cagliari, M.S. *et al.*, Euclid Collaboration, *Astron. Astrophys.* 660 (2022) A9
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 Λ CDM model, Nesseris, S. *et al.*, Euclid Collaboration, *Astron. Astrophys.* 660 (2022) A67
17. Euclid: Forecast constraints on consistency tests of the CDM model, S. Nesseris *et al.*, Euclid Collaboration, *Astron. Astrophys.* 660 (2022) A67
18. Euclid preparation: XVII. Cosmic Dawn Survey. Spitzer observations of the Euclid deep fields and calibration fields, Moneti, Andrea *et al.*, Euclid Collaboration, *Astron. Astrophys.* 658 (2022) A126
19. 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
20. 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
21. 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
22. 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
23. Euclid preparation: XVIII. The NISP photometric system, M. Schirmer *et al.*, Euclid Collaboration, *Astron. Astrophys.* 662 (2022) A92
24. Model BOSS & eBOSS Luminous Red Galaxies at $0.2 < z < 1.0$ using SubHalo Abundance Matching with 3 parameters, Yu, Jiayi *et al.*, eBOSS Collaboration, *Mon. Not. Roy. Astron. Soc* 516 (2022) 57
25. Euclid: Searching for pair-instability supernovae with the Deep Survey, T. J. Moriya *et al.*, Euclid Collaboration, *Astron. Astrophys.* 666 (2022) A157

26. 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
27. 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
28. 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
29. New horizons for fundamental physics with LISA, K. G. Arun *et al.*, *Living Rev.Rel.* 25 (2022) 4
30. 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
31. 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
32. Overview of the Instrumentation for the Dark Energy Spectroscopic Instrument, B. Abareshi *et al.*, DESI Collaboration, *Astron. J.* 164 (2022) 207
33. Euclid: Cosmological forecasts from the void size function, S. Contarini *et al.*, Euclid Collaboration, *Astron. Astrophys.* 667 (2022) A162
34. Euclid: Fast two-point correlation function covariance through linear construction, E. Keihanen *et al.*, Euclid Collaboration, *Astron. Astrophys.* 666 (2022) A129
35. 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
36. 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
37. A Probabilistic Autoencoder for Type Ia Supernova Spectral Time Series, G. Stein *et al.*, Nearby Supernova Factory Collaboration, *Astrophys. J* 935 (2022) 5
38. 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)
39. 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

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-Marín *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. Bertheaud *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. 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
4. The WIRCam Deep Survey II: Mass Selected Clustering, R. M. Bielby *et al.*, *Astron. Astrophys.* 568 (2014) 24
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 $z \sim 1.5$ 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 H α , 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 Ia 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 Ia Supernova Models : SN 2011fe as a Test Case, F. K. Röpké *et al.*, SNFactory Collaboration, *Astrophys. J* 750 (2012) L19
7. Evolution in the Volumetric Type Ia 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: ^{56}Ni 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. González-Gaitán *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

2022

1. Snowmass 2021 CMB-S4 White Paper, K. Abazajian, A. Abdughafour, 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. Archibley, 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. Holzappel, J. Hood, S. Hotinli, A. Hryciuk, J. Hubmayr, K. M. Hufenberger, 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. Mausekopf, 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, B. Racine, 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. Umiltà, A. van Engelen, J. van Marrewijk, E. M. Vavagiakis, C. Verges, J. D. Vieira, A. G. Vieregge, 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'Brien, 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., Viereg, 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. 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'Brien, 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., Viereg, 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
5. 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

6. 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. Edelman, 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. Régat, 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, A. Ealet, W. Gillard, J.-C. Clémens, 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, J.-C. Clémens, A. Ealet, W. Gillard, A. Secroun, B. Serra, A. Tilquin, J. Zoubian, 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, A. Ealet, J.-C. Clémens, W. Gillard, M. Niclas, A. Secroun, B. Serra, 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 Jun - 01 Jul 2016
5. Characterization of H2RG IR detectors for the Euclid NISP instrument, A. Secroun, B. Serra, J.-C. Clémens, R. Legras, P. Lagier, M. Niclas, L. Caillat, W. Gillard, A. Tilquin, A. Ealet, 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 Jun - 01 Jul 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, J.-C. Clémens, A. Ealet, A. Secroun, L. Conversi, P. Strada, Proc. SPIE, 9915, High Energy, Optical, and Infrared Detectors for Astronomy VII (2016) 99150H, Edinburgh, United Kingdom, 26 Jun - 01 Jul 2016
 7. Modeling effects of common molecular contaminants on the Euclid infrared detectors, W. Holmes, C. McKenney, R. Barbier, H. Cho, A. Cillis, J.-C. Clémens, O. Dawson, G. Delo, A. Ealet, 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 Jun - 01 Jul 2016
 8. Integration and testing of the DESI spectrograph prototype, S. Perruchot, A. Secroun, P.-E. Blanc, S. Ronayette, X. Régál, G. Castagnoli, A. Le Van Suu, A. Ealet, 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 Jun - 01 Jul 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, J.-C. Clémens, 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, A. Ealet, 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 Jun 2016 - 1 Jul 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, A. Ealet, 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, C. Tao, A. Tilquin, 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, V. Gonzalez-Perez, E. Jennings, M.-C. Cousinou, S. Escoffier, A. Tilquin, A. Ealet, 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, C. Tao, 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, C. Cerna, J.-C. Clemens, A. Ealet, G. Smadja, A. Castera, F. Marmol, C. Bonoli, F. Bortoletto, L. Corcione, P.-E. Crouzet, 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, F. Marmol, G. Smadja, C. Cerna, A. Castera, A. Chapon, A. Ealet, 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, A. Ealet, 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, C. Cerna, L. Corcione, L. Duvet, A. Ealet, B. Garilli, P. Gondoin, R. Grange, F. Grupp, K. Jahnke, R. J. Laureijs, O. Le Fevre, S. Liori, 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, A. Ealet, M. Frailis, K. Jahnke, S. Liori, 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, A. Ealet, 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, S. Escoffier, J. Comparat, A. Ealet, 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. Pecental, R. Pereira, S. Perlmutter, D. Rabinowitz, K. Runge, R. Scalzo, G. Smadja, C. Tao, 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, S. Blondin, *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, C. Tao, 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. 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. Ivezić, L. Jones, V. Krabbandam, 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

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, N. Rodriguez, F. Comby, D. Fouchez, 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, A. Ealet, J.-C. Clemens, W. Gillard, M. Niclas, A. Secroun, B. Serra, 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, A. Ealet, S. Escoffier, A. Secroun, M. C. Cousinou, 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**, **J.-C. Clemens**, **A. Ealet**, **G. Smadja**, **A. Castera**, **F. Marmol**, **C. Bonoli**, **F. Bortoletto**, **L. Corcione**, **P.-E. Crouzet**, **L. Duvet**, **P. Ferruit**, **E. Giro**, **A. Jung**, **S. Ligi**, **L. Martin**, **T. Maciaszek**, **E. Prieto**, **M. Sirianni**, **P. Strada**, High Energy, Optical, and Infrared Detectors for Astronomy V, Proceedings SPIE, Amsterdam, Netherlands, 1-4 Jul 2012
2. Comparison of Hybrid and SIDECAR ASIC Measurements, **F. Marmol**, **G. Smadja**, **C. Cerna**, **A. Castera**, **A. Chapon**, **A. Ealet**, High Energy, Optical, and Infrared Detectors for Astronomy V, Proceedings 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, **C. Cerna**, **G. Smadja**, **A. Castera**, **A. Ealet**, 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

2015

1. 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, 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**, S. Escoffier, M.-C. Cousinou, A. Tilquin, Ripples in the Cosmos, Durham, United Kingdom, 22-26 Jul 2013

rapport

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. Scodiggio](#), [J. Zoubian](#), [P. Franzetti](#), [E. Prieto](#), EUCL-CPP-TN-7-003
3. TIPS: A prototype for pixel simulations of the Euclid NISP spectrometer - Description 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, [A. Ealet](#), [N. Fourmanoit](#), [S. Kermiche](#), [J. Zoubian](#), EUCL-CPP-TR-8-001
6. TIPS: A prototype for pixel simulations of the Euclid NISP spectrometer - Development plan, [A. Ealet](#), [N. Fourmanoit](#), [S. Kermiche](#), [J. Zoubian](#), EUCL-CPP-DVP-8-001
7. NI-SCS Compliance Matrix, [J.-C. Clemens](#), EUCL- CPP-OTH-7-001
8. NISP spectroscopy science budget justification, [A. Ealet](#), [E. Prieto](#), EUCL-CPP-RP-7-001
9. NISP calibration plan, [A. Ealet](#), [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, [A. Chapon](#), [A. Tilquin](#), [A. Ealet](#), EUCL-CPP-TN-7-005
11. Running Euclid NISP simulations , using TIPS software , under the French production SDC - CCIN2P3 : Tests/Performances/Resources estimations, [A. Ealet](#), [S. Kermiche](#), [J. Zoubian](#), EUCL-CPP-TN-8-003

2012

1. NISP Performance Analysis Report, A. Ealet, K. Jahnke, B. Garilli, G. Seidel, R. Holmes, P. Franzetti, E. Rossetti, J. Zoubian, F. Marmol, EUCL-MPI- NPS-RP-00079
2. Euclid NISP Instrument Development Plan, T. Maciasdek, A. Ealet, et al, EUCL-CNE-NSP-PL-00088

mémoire

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