

Publications

Core Author

BARRY and the BAO model comparison

Hinton, Samuel R., Cullan Howlett, and Tamara M. Davis MNRAS 493.3 (Apr. 2020) pp. 4078–4093

Pippin: A pipeline for supernova cosmology

Hinton, Samuel and Dillon Brout Journal of Open Source Software 5.47 (2020) p. 2122. *The Open Journal*

Can redshift errors bias measurements of the Hubble Constant?

Davis, Tamara M. et al. MNRAS (Sept. 2019) p. 2279

Steve: A Hierarchical Bayesian Model for Supernova Cosmology

Hinton, S. R. et al. The Astrophysical Journal 876.1 (Apr. 2019) p. 15. *American Astronomical Society*

Measuring the 2D baryon acoustic oscillation signal of galaxies in WiggleZ: cosmological constraints

Hinton, S. R. et al. MNRAS 464 (Feb. 2017) pp. 4807–4822

ChainConsumer

Hinton, S. R. JOSS 1.4 (Aug. 2016). *The Open Journal*

Marz: Manual and automatic redshifting software

Hinton, S.R. et al. Astronomy and Computing 15 (2016) pp. 61–71

Science Contributions

OzDES multi-object fibre spectroscopy for the Dark Energy Survey: Results and second data release

Lidman, C. et al. MNRAS (May 2020)

First cosmology results using type Ia supernovae from the Dark Energy Survey: the effect of host galaxy properties on supernova luminosity

Smith, M. et al. MNRAS 494.3 (Apr. 2020) pp. 4426–4447

First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters

Abbott, T. M. C. et al. ApJ 872.2, L30 (Feb. 2019) p. L30

First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation

Brout, D. et al. ApJ 874.2, 150 (Apr. 2019) p. 150

First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release

Brout, D. et al. ApJ 874.1, 106 (Mar. 2019) p. 106

First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases

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First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant

Macaulay, E. et al. MNRAS 486.2 (June 2019) pp. 2184–2196

- OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release
Childress, M. J. et al. *Monthly Notices of the Royal Astronomical Society* 472 (Nov. 2017) pp. 273–288
- OzDES multifibre spectroscopy for the Dark Energy Survey: first-year operation and results
Yuan, F. et al. *Monthly Notices of the Royal Astronomical Society* 452 (Sept. 2015) pp. 3047–3063

Infrastructure / Data Contributions

- Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey
de Jaeger, T. et al. *MNRAS* (May 2020)
- DES16C3cje: A low-luminosity, long-lived supernova
Gutiérrez, C. P. et al. *MNRAS* (May 2020)
- The mystery of photometric twins DES17X1boj and DES16E2bjy
Pursiainen, M. et al. *MNRAS* 494.4 (Apr. 2020) pp. 5576–5589
- Supernova Host Galaxies in the Dark Energy Survey: I. Deep Coadds, Photometry, and Stellar Masses
Wiseman, P. et al. *MNRAS* (May 2020)
- Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields
Yu, Zhefu et al. *ApJS* 246.1, 16 (Jan. 2020) p. 16
- A joint SZ-Xray-optical analysis of the dynamical state of 288 massive galaxy clusters
Zenteno, A. et al. *MNRAS* (May 2020)
- Cosmological Constraints from Multiple Probes in the Dark Energy Survey
Abbott, T. M. C. et al. *Phys. Rev. Lett.* 122 (17 May 2019) p. 171301. *American Physical Society*
- C IV black hole mass measurements with the Australian Dark Energy Survey (OzDES)
Hoormann, J. K. et al. *MNRAS* 487.3 (Aug. 2019) pp. 3650–3663
- Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing
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- The Dark Energy Survey: Data Release 1
Abbott, T. M. C. et al. *ApJS* 239, 18 (Dec. 2018) p. 18
- The WiggleZ Dark Energy Survey: final data release and the metallicity of UV-luminous galaxies
Drinkwater, M. J. et al. *Monthly Notices of the Royal Astronomical Society* 474 (Mar. 2018) pp. 4151–4168
- Dark Energy Survey year 1 results: Galaxy clustering for combined probes
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- Dark Energy Survey Year 1 Results: Cross-Correlation Redshifts - Methods and Systematics Characterization
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- DES science portal: Computing photometric redshifts
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- Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies
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- Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey
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- Rapidly evolving transients in the Dark Energy Survey
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- The Taipan Galaxy Survey: Scientific Goals and Observing Strategy
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- Discovery of a $z = 0.65$ post-starburst BAL quasar in the DES supernova fields
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- A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey
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The 2-degree Field Lensing Survey: design and clustering measurements

Blake, C. et al. *Monthly Notices of the Royal Astronomical Society* 462 (Nov. 2016) pp. 4240–4265

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Buckley-Geer, E. J. et al. *arXiv e-prints*, *arXiv:2003.12117* (Mar. 2020) *arXiv:2003.12117*

Increasing the census of L and T dwarfs in wide binary and multiple systems using Dark Energy Survey DR1 and Gaia DR2 data

dal Ponte, M. et al. *arXiv e-prints*, *arXiv:2001.11015* (Jan. 2020) *arXiv:2001.11015*

Validation of Selection Function, Sample Contamination and Mass Calibration in Galaxy Cluster Samples

Grandis, S. et al. *arXiv e-prints*, *arXiv:2002.10834* (Feb. 2020) *arXiv:2002.10834*

Dark Energy Survey Identification of A Low-Mass Active Galactic Nucleus at Redshift 0.823 from Optical Variability

Guo, Hengxiao et al. *arXiv e-prints*, *arXiv:2003.10457* (Mar. 2020) *arXiv:2003.10457*

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Morgan, R. et al. *arXiv e-prints*, *arXiv:2006.07385* (June 2020) *arXiv:2006.07385*

Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?

Sampaio-Santos, H. et al. *arXiv e-prints*, *arXiv:2005.12275* (May 2020) *arXiv:2005.12275*

Supernova Siblings: Assessing the Consistency of Properties of Type Ia Supernovae that Share the Same Parent Galaxies

Scolnic, D. et al. *arXiv e-prints*, *arXiv:2002.00974* (Feb. 2020) *arXiv:2002.00974*

The Host Galaxies of Rapidly Evolving Transients in the Dark Energy Survey

Wiseman, P. et al. *arXiv e-prints*, *arXiv:2005.08653* (May 2020) *arXiv:2005.08653*

Milky Way Satellite Census – II. Galaxy-Halo Connection Constraints Including the Impact of the Large Magellanic Cloud

Nadler, E. O. et al. *arXiv e-prints*, *arXiv:1912.03303* (Dec. 2019) *arXiv:1912.03303*

First Cosmology Results Using Type Ia Supernovae From the Dark Energy Survey: Survey Overview and Supernova Spectroscopy

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Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard Star Fields

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