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Publications

Core Author

Pippin: A pipeline for supernova cosmology
Hinton, **Samuel** and Dillon Brout Journal of Open Source Software *5.47 (2020) p. 2122. The Open Journal*

BARRY and the BAO model comparison
Hinton, **Samuel R.**, Cullan Howlett, and Tamara M. Davis MNRAS *493.3 (Apr. 2020) pp. 4078–4093*

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*

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

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First cosmology results using Type IA supernovae from the dark energy survey: effects of chromatic corrections to supernova photometry on measurements of cosmological parameters
Lasker, J. et al. MNRAS *485.4 (June 2019) pp. 5329–5344*

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*

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OzDES multifibre spectroscopy for the Dark Energy Survey: first-year operation and results
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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*

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Drinkwater, M. J. et al. Monthly Notices of the Royal Astronomical Society *474 (Mar. 2018) pp. 4151–4168*

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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
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Validation of Selection Function, Sample Contamination and Mass Calibration in Galaxy Cluster Samples
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Dark Energy Survey Identification of A Low-Mass Active Galactic Nucleus at Redshift 0.823 from Optical Variability
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Chemical Analysis of the Ultra-Faint Dwarf Galaxy Grus II. Signature of high-mass stellar nucleosynthesis
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The impact of spectroscopic incompleteness in direct calibration of redshift distributions for weak lensing surveys
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The Host Galaxies of Rapidly Evolving Transients in the Dark Energy Survey
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