

# Samuel Hinton

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## Publications

### Core Author

Barry and the BAO Model Comparison

**Hinton, Samuel R.**, Cullan Howlett, and Tamara M. Davis MNRAS (Feb. 2020)

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

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

Kessler, R. et al. MNRAS 485.1 (May 2019) pp. 1171–1187

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

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

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

- 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  
Abbott, T. M. C. et al. *Phys. Rev. D* 98 (4 Aug. 2018) p. 043526. *American Physical Society*
- 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  
Elvin-Poole, J. et al. *Phys. Rev. D* 98 (4 Aug. 2018) p. 042006. *American Physical Society*
- Dark Energy Survey Year 1 Results: Cross-Correlation Redshifts - Methods and Systematics Characterization  
Gatti, M. et al. *Monthly Notices of the Royal Astronomical Society* (Feb. 2018)
- DES science portal: Computing photometric redshifts  
Gschwend, J. et al. *Astronomy and Computing* 25 (Oct. 2018) pp. 58–80
- Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies  
Hoyle, B et al. *Monthly Notices of the Royal Astronomical Society* 478.1 (2018) pp. 592–610
- Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey  
Mudd, D. et al. *ApJ* 862, 123 (Aug. 2018) p. 123
- Rapidly evolving transients in the Dark Energy Survey  
Pursiainen, M et al. *Monthly Notices of the Royal Astronomical Society* 481.1 (2018) pp. 894–917
- The Taipan Galaxy Survey: Scientific Goals and Observing Strategy  
da Cunha, E. et al. *PASA* 34, e047 (Oct. 2017) e047
- Discovery of a  $z = 0.65$  post-starburst BAL quasar in the DES supernova fields  
Mudd, D. et al. *Monthly Notices of the Royal Astronomical Society* 468 (July 2017) pp. 3682–3688
- A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey  
Tie, S. S. et al. *AJ* 153, 107 (Mar. 2017) p. 107
- 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

## In Journal Review

- 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*
- DES16C3cje: A low-luminosity, long-lived supernova  
Gutiérrez, C. P. et al. *arXiv e-prints*, *arXiv:2001.11559* (Jan. 2020) *arXiv:2001.11559*
- 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*
- 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. *arXiv e-prints*, *arXiv:2001.11294* (Jan. 2020) *arXiv:2001.11294*
- Supernova Host Galaxies in the Dark Energy Survey: I. Deep Coadds, Photometry, and Stellar Masses  
Wiseman, P. et al. *arXiv e-prints*, *arXiv:2001.02640* (Jan. 2020) *arXiv:2001.02640*

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*

The Mystery of Photometric Twins DES17X1boj and DES16E2bjy

Pursiainen, M. et al. arXiv e-prints, *arXiv:1911.12083 (Nov. 2019)* *arXiv:1911.12083*

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

D'Andrea, C. B. et al. arXiv e-prints (*Nov. 2018*)

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

Yu, Z. et al. arXiv e-prints (*Nov. 2018*)