

Keith Horne: Refereed Publications

Papers Submitted:

- 425.** “A second planet transiting LTT 1445A and a determination of the masses of both worlds.”
J.G.Winters, et al. (202?) ApJ, submitted (30 Jul 2021).
- 425.** “Bayesian Analysis of Quasar Lightcurves with a Running Optimal Average: New Time Delay measurements of COSMOGRAIL Gravitationally Lensed Quasars.”
F.R.Donnan, **K.Horne**, J.V.Hernandez Santisteban (202?) MNRAS, submitted (26 Jul 2021). (arXiv:2107.12318)
- 424.** “A Different-Twin Pair of Sub-Neptunes orbiting TOI-1064 Discovered by TESS, Characterised by CHEOPS and HARPS”
T.G.Wilson et al. (202?). ApJ, submitted (12 Jul 2021).
- 423.** “The LHS 1678 System: Two Earth-Sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc”
M.L.Silverstein, et al. (202?). AJ, submitted (24 Jun 2021).
- 422.** “A temperate Earth-sized planet with strongly tidally-heated interior transiting the M8 dwarf LP 791-18.”
M.Peterson, B.Benneke, et al. (202?). submitted (09 May 2021).
- 421.** “The Sloan Digital Sky Survey Reverberation Mapping Project: UV-Optical Accretion Disk Measurements with Hubble Space Telescope.”
Y.Homayouni, M.R.Sturm, J.R.Trump, **K.Horne**, C.J.Grier, Y.Shen, et al. (202?). ApJ submitted (06 May 2021). (arXiv:2105.02884)
- 420.** “OGLE-2018-BLG-1185b : A Low-Mass Microlensing Planet Orbiting a Low-Mass Dwarf.”
I.Kondo, et al. (202?) ApJ submitted. (arXiv:2104.02157)

Papers in Press:

- 419.** “AGN STORM 2: I. First results: A Change in the Weather of Mrk 817.”
E.Kara, M.Mehdipour, G.A.Kriss, E.M.Cackett, et al. (202?). ApJ in press (09 Jul 2021). (arXiv:2105.05840)
- 418.** “Reverberation Mapping of Two Luminous Quasars: the Broad-Line Region Structure and Black Hole Mass.”
S-S.Li, et al. (202?). ApJ in press (10 Jun 2021).

Papers Published:

—2021—

- 417.** “Nonlinear effects in the excited states of many-fermion Einstein-Dirac solitons”
P.E.Leith, C.A.Hooley, **K.Horne**, D.G.Dritschel (2021). Phys.Rev.D 104, 46024.
- 416.** “A characteristic optical variability timescale in astrophysical accretion disks.”
C.J.Burke, Y.Shen, O.Blaes, C.Gammie, **K.Horne**, Y.-F.Jiang, X.Liu, I.McHardy, C.W.Morgan, S.Scaringi Q.Yang. (2021). Science, 373, 789.
- 415.** “OGLE-2018-BLG-1185b: A low-mass microlensing planet orbiting a low-mass dwarf.”

Kondo, I, et al. (2021). AJ 162, 77.

414. “On the multi-wavelength variability of Mrk 110: Two components acting at different time-scales.”
F.Vincentelli, I.McHardy, E.M.Cackett, J.A.Barth, **K.Horne** M.Goad, K.Korista, J.Gelbord, et al. (2021). MNRAS 504, 4337.
413. “Dynamical Modeling of the CIV Broad Line Region of the $z = 2.805$ Multiply Imaged Quasar SDSS J2222+2745.”
P.Williams, T.Treu, et al. (2021). ApJL 915, L9.
412. “An ultra-short-period transiting super-Earth orbiting the M3 dwarf TOI-1685.”
P.Bluhm, et al. (2021). A&A 650, 78.
411. “The Black Hole Mass of the $z = 2.805$ Multiply Imaged Quasar SDSS J2222+2745 from Velocity-resolved Time Lags of the C IV Emission Line.”
P.R.Williams, T.Treu, et al. (2021). ApJ 911, 64.
410. “Space Telescope and Optical Reverberation Mapping Project. IX. Velocity-Delay Maps for Broad Emission Lines in NGC 5548”
K.Horne, et al. (2021). ApJ 907, 76.
409. The Sloan Digital Sky Survey Reverberation Mapping Project: The M_{BH} -Host Relations at $0.2 < z < 0.6$ from Reverberation Mapping and Hubble Space Telescope Imaging
J.I-H.Li, Y.Shen, L.Ho, W.N.Brandt, et al. (2021). ApJ 906, 103.

—2020—

408. “Intensive disc-reverberation mapping of Fairall 9: first year of Swift & LCO monitoring”
J.Hernandez Santisteban, R.Edelson, **K.Horne**, M.Gelbord, et al. (2020). MNRAS 498, 5399.
407. “The Tidal Disruption Event AT 2018hyz I: Double-peaked emission lines and a flat Balmer decrement”
P.Short, et al. (2020). MNRAS 498, 4119.
406. The Sloan Digital Sky Survey Reverberation Mapping Project: Estimating Masses of Black Holes in Quasars with Single-Epoch Spectroscopy
E.Dalla Bontá, B.M.Peterson, et al. (2020). ApJ 903, 112.
405. The Sloan Digital Sky Survey Reverberation Mapping Project: How Broad Emission Line Widths Change When Luminosity Changes
S.Wang, Y.Shen, L.Jiang, C.J.Grier, **K.Horne**, Y.Homayouni, B.M.Peterson, J.R.Trump, et al. (2020). ApJ 903, 51.
404. “Infinite-redshift localised states of Dirac fermions under Einsteinian gravity.”
D.Bakucz Canario, S. Lloyd, **K.Horne**, C.A.Hooley (2020). Phys.Rev.D 102, 4049.
403. “Space Telescope and Optical Reverberation Mapping Project. XII. Broad-Line Region Modelling of NGC 5548.”
P.Williams, A.Pancoast, T.Treu, B.J.Brewer, B.M.Peterson, A.J.Varth, M.A.Malkan, G.De Rosa, **K.Horne**, et al. (2020). ApJ 902, 74.
402. “Robotic Reverberation Mapping of of the Seyfert 1 Galaxy 3C 120.”
M.S.Hlabathe, D.A.Starkey, **K.Horne**, E.Romero-Colmenero, S.M.Crawford, S.Valenti, H.Winkler, A.J.Barth, C.A.Onken, D.J.Sand, T.Treu, A.Diamond-Stanic, C.Villforth (2020). MNRAS 497, 2910.
401. “The Sloan Digital Sky Survey Reverberation Mapping Project:

Photometric r and i Light Curves.”
K.Kinemuchi, et al. (2020). ApJS, 250, 10.

400. “The Sloan Digital Sky Survey Reverberation Mapping Project: Mg II Lag Results from Four Years of Monitoring.”
Y.Homayouni, J.R.Trump, C.J.Grier, **K.Horne**, Y.Shen, et al. (2020) ApJ 901, 55.
399. “The Sloan Digital Sky Survey Reverberation Mapping Project: The H β Radius-Luminosity Relation.”
G.Fonseca Alvarez, J.R.Trump, Y.Homayouni, C.J.Grier, Y.Shen, **K.Horne**, J.I-H.Li, W.N.Brandt, L.C.Ho, B.M.Peterson, D.P.Schneider (2020). ApJ 899, 73.
398. “Space Telescope and Optical Reverberation Mapping Project. XI. Disk-wind characteristics and contributions to the very broad emission lines of NGC 5548.”
M.Dehghanian, G.J.Ferland, et al. (2020). ApJ 898, 141.
397. “Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei. XI. Accretion Disk Reverberation Mapping of Mrk 142.”
E.M.Cackett, J.Gelbord, Y.-R.Li, **K.Horne**, J-M.Wang, A.J.Barth, et al. (2020). ApJ 896, 1.
396. “Fermion self-trapping in the optical geometry of Einstein-Dirac solitons”
P.E.D.Leith, C.A.Hooley, **K.Horne** D.G.Dritschel (2020). Phys.Rev.D 101, 106012.
395. “Evidence for variability time-scale dependent UV/X-ray delay in Seyfert 1 AGN NGC 7469”
M.Pahari, I.M.McHardy, F.Vicentelli, E.Cackett, B.M.Peterson M.Goad, K.Gültekin, **K.Horne** (2020). MNRAS 494, 4057.
394. “Null Geodesics in Conformal Gravity”
G.E.Turner, **K.Horne** (2020). Class. Quantum Grav. 37, 5012.
393. “GJ 1252 b: A 1.2 R_{\oplus} planet transiting an M3 dwarf at 20.4 pc.”
A.Shporer, K.A.Collins, N.Astudillo-Defru, J.Irwin, X.Bonfils, K.I.Collins, E.Mathews, J.G.Winters, et al. (2020). ApJL 890, 7.
392. “OGLE-2013-BLG-0911Lb: A Secondary on the Brown-Dwarf Planet Boundary around an M-dwarf.”
S.Miyazaki, et al. (2020). ApJ 159, 76.
391. “Full Orbital Solution for the Binary System in the Northern Galactic Disk Microlensing Event Gaia16aye.”
L.Wyrzykowski, P.Mroz, K.A.Rybicki, et al. (2020). (arXiv:1901.07281) A&A 633, 98.

—2019—

390. “ROME/REA: A gravitational microlensing search for exo-planets beyond the snow-line on a global network of robotic telescopes.”
Y.Tsapras, R.A.Street, M.Hundertmark, E.Bachelet, M.Dominik, V.Bozza, A.Cassan, J.Wambsganss, **K.Horne**, S.Mao, W.Zhang, D.M.Bramich, A.Saha (2019). PASP 131, 124401.
389. “The Sloan Digital Sky Survey Reverberation Mapping Project: Initial CIV Lag Results from Four Years of Data.”
C.J.Grier, Y.Shen, **K.Horne**, W.N.Brandt, J.R.Trump, P.B.Hall, K.Kinemuchi, D.Starkey, D.P.Schneider, L.C.Ho, Y.Homayouni, J.I-H.Li, I.D.McGreer, B.M.Peterson, et al. (2019). ApJ 887, 38.
388. “The Sloan Digital Sky Survey Reverberation Mapping Project: Accretion and Broad Emission Line Physics from a Hypervariable Quasar.”

- J.Dexter, S.Xin, Y.Shen, C.J.Grier, T.Liu, S.Gezeri, I.D.McGreer, W.N.Brandt, P.B.Hall, **K.Horne**, T.Simm, A.Merloni, P.J.Green, M.Vivek, J.R.Trump, Y.Homayouni, B.M.Peterson, D.P.Schneider, K.Kinemuchi, K. Pan, D.Bizyaev (2019). ApJ 885, 44.
- 387.** “OGLE-2015-BLG-1649Lb: A gas giant planet around a low-mass dwarf”
M.Nagakane, et al. (2019) AJ 158, 212.
- 386.** “The first spectroscopic dust reverberation programme on active galactic nuclei: the torus in NGC 5548.”
H.Landt, M.J.Ward, D.Kynoch, C.Packham, G.J.Ferland, A.Lawrence, J.-U.Pott, J.Esser, **K.Horne**, D.A.Starkey, et al. (2019). MNRAS 489, 1572.
- 386.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Comparison of Lag Measurement Methods with Simulated Observations.”
J.I-H.Li, Y.Shen, W.N.Brandt, P.B.Hall, L.C.Ho, Y.Homayouni, **K.Horne**, D.P.Schneider, J.R.Trump, D.A.Starkey (2019). ApJ 884, 119.
- 385.** “Two new HATNet hot Jupiters around A stars, and the first glimpse at the occurrence rate of hot Jupiters from TESS.”
G.Zhou, et al. (2019) AJ 158, 141.
- 384.** “Do Reverberation Mapping Analyses Provide an Accurate Picture of the Broad Line Region?”
S.W.Mangham, C.Knigge, P.Williams, **K.Horne**, A.Pancoast, J.H.Matthews, K.S.Long, S.A.Sim, N.Higginbottom et al. (2019) MNRAS 488, 2780.
- 383.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Improving Lag Detection with an Extended Multi-Year Baseline
Y.Shen, C.J.Grier, **K.Horne**, W.N.Brandt, J.R.Trump, P.B.Hall, K.Kinemuchi, D.Starkey, D.P.Schneider, L.C.Ho, Y.Homayouni, J.I-H.Li, I.D.McGreer, B.M.Peterson, et al. (2019). ApJL 883, 14.
- 382.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Low-Ionization Broad-Line Widths and Implications for Virial Black Hole Mass Estimation”
S.Wang, Y.Shen, L.Jiang, **K.Horne**, W.N.Brandt, C.J.Grier, L.C.Ho, Y.Homayouni, J.I-H.Li, D.P.Schneider, J.R.Trump (2019) ApJ 882, 4.
- 381.** “An analysis of binary microlensing event OGLE-2015-BLG-0060.”
Y.Tsapras, et al. (2019) MNRAS 487, 4603.
- 380.** “Space Telescope and Optical Reverberation Mapping Project. VIII. Time Variability of Emission and Absorption in NGC 5548 Based on Modeling the Ultraviolet Spectrum.”
G.A.Kriss, et al. (2019). ApJ 881, 153.
- 379.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Accretion-Disk Sizes from Continuum Lags”
Y.Homayouni, J.R.Trump, C.J.Grier, Y.Shen, D.A.Starkey, W.N.Brandt, **K.Horne** et al. (2019). ApJ 880, 126.
- 378.** “TOI-216: Two Warm, Large Exoplanets in or Slightly Wide of the 2:1 Orbital Resonance.”
R.I.Dawson et al. (2019). AJ, 158, 65.
- 377.** “A Super-Earth and Two Sub-Neptunes Transiting the Bright, Nearby, and Quiet M-dwarf TOI-270.”
M.N.Günther, et al. (2019). NatAst.tmp..409
- 376.** “Anomalous Behavior of the UV-optical continuum bands in NGC 5548.”

M.R.Goad, C.Knigge, K.T.Korista, E.Cackett, **K.Horne**, D.A.Starkey, B.M.Peterson, G.De Rosa, G.A.Kriss, R.Edelson, M.Fausnaugh (2019). MNRAS 486, 5362.

- 375.** “The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M-dwarf.”
V.B.Kostov, et al. (2019). AJ 158, 32.
- 374.** “Space Telescope and Optical Reverberation Mapping Project. X. Understanding the Absorption-Line Holiday in NGC 5548.”
M.Dehghanian, G.J.Ferland, G.A.Kriss, B.M.Peterson et al. (2019). ApJ 877, 199.
- 373.** “OGLE-2018-BLG-0022: A Nearby M-dwarf Binary”
R.A.Street, E.Bachelet, Y.Tsapras, M.P.G.Hundertmark, V.Bozza, M.Dominik, D.M.Bramich, A.Cassan, **K.Horne**, S.Mao, A.Saha, J.Wambsganss, W.Zang, et al. (2019) AJ 157, 215.
- 372.** “OGLE-2014-BLG-1186: gravitational microlensing providing evidence for a planet orbiting the foreground star or for a close binary source?”
M.Dominik, E.Bachelet, V.Bozza, R.A.Street, C.Han, M.Hundertmark, A.Udalski, D.Bramich, et al. (2019). MNRAS 484, 5608.
- 371.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Sample Characterization.”
Y.Shen, P.B.Hall, **K.Horne**, et al. (2019). ApJS 241, 34.
- 370.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Systematic Investigations of Short-Timescale CIV Broad Absorption Line Variability.”
Z.S.Hemler, C.J.Grier, W.N.Brandt, P.B.Hall, **K.Horne**, Y.Shen, J.R.Trump, D.P.Schneider, M.Vivek, D.Bizyaev, A.Oravetz, D.Oravetz, K.Pan (2019). ApJ 872, 12.
- 369.** “The First Swift AGN Accretion Disk Reverberation Mapping Survey.”
R.Edelson, J.Gelbord, E.Cackett, B.M.Peterson, **K.Horne** A.Barth, D.Starkey, et al. (2019). ApJ 870, 123.
- 368.** “First Assessment of the Binary Lens OGLE-2015-BLG-0232.”
E.Bachelet, et al. (2019). ApJ 870, 11.
- 2018—
- 367.** “X-ray/UV/Optical Variability of NGC 4593 with Swift: Reprocessing of X-rays by an Extended Reprocessor.”
I.M.McHardy, S.D.Connolly, **K.Horne**, E.M.Cackett, J.Gelbord, B.M.Peterson, M.Pahari, N.Gehrels, R.Edelson, M.Goad, P.Lira, et al. (2018). MNRAS 480, 2881.
- 366.** “A large ground-based observing campaign of the disintegrating planet K2-22B.”
K.D.Colon, et al. (2018). AJ 156, 227.
- 365.** “Velocity-Resolved Reverberation Mapping of Five Bright Seyfert 1 Galaxies.”
G.DeRosa, M.M.Fausnaugh, C.J.Grier, B.M.Peterson, K.D.Denney, **K.Horne**, et al. (201?). ApJ 866, 133.
- 364.** “Supermassive Black Holes with High Accretion Rates in Active Galactic Nuclei VII. Reconstruction of Velocity-Delay Maps by Maximum Entropy Method.”
M.Xiao, D.Pu, **K.Horne**, Y-R.Li, Y-K.Huang, K-X.Lu, J.Qiu, F.Wang, J-M.Bai, W-H.Bian, L.C.Ho, Y-F.Yuan, J-M.Wang (2018) ApJ 864, 109.
- 363.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Quasar Host Galaxies at $z < 0.8$ from Image Decomposition.”

M.Yue, L.Jiang, Y.Shen, P.B.Hall, Z.Yu, D.P.Schneider, L.C.Ho, **K.Horne**, P.Petitjean, J.R.Trump (2018). ApJ 863, 21.

- 362.** “Accretion Disk Reverberation with Hubble Space Telescope Observations of NGC 4593: Evidence for Diffuse Continuum Lags”
E.M.Cackett, C.-Y.Chiang, I.McHardy, R.Edelson, M.R.Goad, **K.Horne**, K.Korista (2018). ApJ 857, 53.
- 361.** “Stability of the Broad Line Region Geometry and Dynamics in Arp 151 over Seven Years.”
A.Pancoast, A.J.Barth, **K.Horne**, T.Treu, et al. (2018). ApJ 856, 108.
- 360.** “The First Planetary Microlensing Event with Two Microlensed Source Stars.”
D.P.Bennett, et al. (2018) AJ, 155, 141.
- 359.** “Continuum Reverberation Mapping of the Accretion Disks in Two Seyfert 1 Galaxies”
M.Fausnaugh, D.A.Starkey, **K.Horne**, et al. (2018) ApJ 854, 107.
- 358.** “Non-Blackbody Disks Can Help Explain Inferred AGN Accretion Disk Sizes”
P.B.Hall, G.T.Sarrouh, **K.Horne** (2018) ApJ 854, 93.
- 357.** “OGLE-2014-BLG-0289: Precise Characterization of a Quintuple-Peak Gravitational Microlensing Event.”
A.Udalski, C.Han, V.Bozza, A.Gould, I.A.Bond, et al. (2018). 2018 ApJ 853, 70.
- 356.** “OGLE-2016-BLG-1190Lb: The First Spitzer Bulge Planet Lies Near the Planet/Brown-dwarf Boundary”
Y.-H.Ryu, et al. (2018) AJ, 155, 40.
- 355.** “RoboTAP - Target Priorities for Robotic Microlensing Observations.”
M.Hundertmark, R.A.Street, Y.Tsapras, E.Bachelet, M.Dominik, **K.Horne**, et al. (2018) A&A 609, 55.

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- 354.** “Continuum Reverberation Mapping of AGN Accretion Disks.”
M.M.Fausnaugh, B.M.Peterson, D.A.Starkey, **K.Horne** et al. (2017)
Front.Astron.Space Sci. 4, 55.
- 353.** “The Sloan Digital Sky Survey Reverberation Mapping Project: H α and H β Reverberation Measurements from First-Year Spectroscopy and Photometry.”
K.Grier, J.R.Trump, Y.Shen, **K.Horne**, K.Kinemuchi, I.D.McGreer, D.A.Starkey, W.N.Brandt, P.B.Hall, C.S.Kochanek, et al. (2017) ApJ 851, 1.
- 352.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Composite Lags at $z < 1$.”
J.I-H.Li, Y.Shen, **K.Horne**, et al. (2017). ApJ 846, 79.
- 351.** “Space Telescope and Optical Reverberation Mapping Project. VII. Understanding the UV anomaly in NGC 5548 with X-Ray Spectroscopy.”
S.Mathur, et al. (2017) ApJ 846, 55.
- 350.** “Ground-based Parallax Confirmed by Spitzer: Binary Microlensing Event MOA-2015-BLG-020”
T.Wang, et al. (2017) ApJ 845, 129.
- 349.** “Reverberation Mapping of Optical Emission Lines in Five Active Galaxies.”
M.M.Fausnaugh, et al. (2017). ApJ 840, 129.
- 348.** “Swift Monitoring of NGC 4151: Evidence for a Second X-ray/UV Reprocessing”

R.Edelson, J.Gelbord, E.Cackett, S.Connolly, C.Done, M.Fausnaugh, E.Gardner, N.Gehrels, M.Goad, **K.Horne**, et al. (2017) ApJ 840, 41.

347. “Faint-Source-Star Planetary Microlensing: the Discovery of the Cold Gas-Giant Planet OGLE-2014-BLG-0676Lb”
N.Rattenbury, et al. (2017). MNRAS 466, 2710.

346. “Space Telescope and Optical Reverberation Mapping Project. VI: Optical Spectroscopic Campaign and Emission-Line Analysis for NGC 5548.”
L.Pei, et al. (2017) ApJ 873, 131.

345. “Variable Stars in the Bulge Globular Cluster NGC 6401”
Y.Tsapras, A.Arellano Ferro, D.M.Bramich, R.Figuera Jaimes, N.Kains, R.Street, M.Hundertmark, **K.Horne**, M.Dominik, C.Snodgrass (2017). MNRAS 465, 2489.

344. “Cosmology with AGN Dust Time Lags – Simulating the New VEILS Survey.”
S.F.Hönig, D.Watson, M.Kishimoto, P.Gandhi, M.Goad, **K.Horne**, F.Shankar, et al. (2017). MNRAS 464, 1693.

343. “Space Telescope and Optical Reverberation Mapping Project. VI: Reverberating Disk Models for NGC 5548.”
D.Starkey, **K.Horne**, et al. (2017). ApJ 835, 65.

342. “EPIC201702477b: A Long Period Transiting Brown Dwarf from K2.”
D.Bayliss, et al. (2017). AJ 153, 15.

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341. “Campaign 9 of the K2 Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey.”
C.B.Henderson, R.Poleski, M.Penny, R.A.Street, D.P.Bennett, D.W.Hogg, B.S.Gaudi, et al. (2016). PASP 128, 4401.

340. “Simultaneous infrared and optical observations of the transiting debris cloud around WD 1145+017.”
G.Zhou, et al. (2016). MNRAS 463, 4422.

339. “The Sloan Digital Sky Survey Reverberation Mapping Project: Biases in $z > 1.46$ Redshifts due to Quasar Diversity”
K.D.Denney, **K.Horne**, W.N.Brandt, C.J.Grier, L.C.Ho, B.M.Peterson, J.R.Trump, J.Ge (2016). ApJ 833, 33.

338. “First simultaneous microlensing observations by two space telescopes: Spitzer and Swift reveal a brown dwarf in event OGLE-2015-BLG-1319.”
Y.Shvartzvald, Z.Li, A.Udalski, A.Gould, T.Sumi, R.A.Street, S.Calchi Novati, et al. (2016). ApJ 831, 183.

337. “Discovery of a Gas giant Planet in Microlensing Event OGLE-2014-BLG-1760.”
A.Bhattacharya, D.P.Bennett, I.A.Bond, T.Sumi, A.Udalski, R.Street, Y.Tsapras et al. (2016). AJ 152, 140.

336. “The First Circumbinary Planet Found by Microlensing: OGLE-2007-BLG-349L(AB)c”
D.M.Bennett, et al. (2016). AJ 152, 125.

335. “A Reverberation-based Black Hole Mass for MCG-06-30-15”
M.C.Bentz, E.M.Cackett, D.M.Crenshaw, **K.Horne**, R.Street, B.Ou-Yang. (2016). ApJ 830, 136.

334. “OGLE-2015-BLG-0479LA,B: Gravitational Binary Microlens Characterised by Simultaneous Ground-based and Space-based Observations”

- C.Han, et al. (2016). ApJ 828, 53.
- 333.** “Many new variable stars discovered in the core of globular cluster NGC 6715 (M54) with EMCCD observations.”
R.Figuera Jaimes, et al. (2016). A&A 592, 120.
- 332.** “Mass Measurements of Isolated Objects from Space-based Microlensing.”
W.Zhu, et al. (2016). ApJ 825, 60.
- 331.** “Conformal Gravity Rotation Curves with a Conformal Higgs Halo.”
K.Horne (2016). MNRAS 458, 4122.
- 330.** “The Sloan Digital Sky Survey Reverberation Mapping Project: An Investigation of Biases in CIV Emission-Line Properties”
K.D.Denney, **K.Horne**, W.N.Brandt, L.C.Ho, B.M.Peterson, G.T.Richards, Y.Shen, J.R.Trump, J.Ge (2016). ApJS, 224 14.
- 329.** “Space Telescope and Optical Reverberation Mapping Project. IV. Anomalous Behavior of the Broad Ultraviolet Emission Lines in NGC 5548.”
M.R.Goad, et al. (2016). ApJ 824, 11.
- 328.** “The Spitzer Microlensing Program as a Probe for Globular Cluster Planets: Analysis of OGLE-2015-BLG-0448.”
R.Poleski, et al. (2016). ApJ 823, 63.
- 327.** “The OGLE-III Planet Detection Efficiency from Six Years of Microlensing Observations (2003-2008).”
Y.Tsapras, M.Hundertmark, L.Wyrzykowski, **K.Horne**, A.Udalski, et al. (2016). MNRAS in press (01 Jan 2016). MNRAS 457, 1320.
- 326.** “Space Telescope and Optical Reverberation Mapping Project. III. Optical Continuum Emission and Broad-Band Time Delays in NGC 5548.”
M.M.Fausnaugh, K.D.Denney, A.J.Barth, M.C.Ventz, M.C.Bottorff, M.T.Carni, K.V.Croxall, G.De Rosa, M.R.Goad, **K.Horne**, et al. (2016). ApJ 821, 56.
- 325.** “Exploring the crowded central region of 10 Galactic globular clusters using EMCCDs.”
R.Figuera Jaimes, D.M.Bramich, J.Skottfelt, N.Kains, U.G.Jorgensen, **K.Horne**, M.Dominik, et al. (2016). A&A 588, 128.
- 324.** “Difference Image Analysis: Automatic Kernel Design using Information Criteria.”
D.M.Bramich, **K.Horne**, K.A.Alsubai, E.Bachelet, D.Mislis, N.Parley (2016). MNRAS 457, 541.
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