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Education

Ph.D. in Physics obtained at the University of Arizona under Professor Eduardo Rozo in 2018

First Author Publications

McClintock T., et al., 2019, *Reconstructing Probability Distributions with Gaussian Processes*, arxiv: 1905.09299

McClintock T., et al., 2019, *Dark Energy Survey Year 1 Results: Weak Lensing Mass Calibration of redMaPPer Galaxy Clusters*, MNRAS, 482, 1352

McClintock T., et al., 2019, *The Aemulus Project II: Emulating the Halo Mass Function*, ApJ, 872, 53

Imminent Release

McClintock T., et al., in prep., *Statistical Analysis of Martian Ice Trough Migration Patterns*

McClintock T., et al., in prep., *Joint Distributions of Halo Catalogs with Gaussian Mixture Models*

McClintock T., Eifler T., Feng X., in prep. *Emulating Weak Lensing Covariance Matrices*

McClintock T., et al., in prep., *The Aemulus Project IV: Emulating the Halo Bias*

McClintock T., Hannah E., Lim K., in prep., *Bayesian Analysis of Frisbee Flights*

Significant Contributions

Varga T. N., DeRose J., Gruen D., **McClintock T.** et al., 2019, *Dark Energy Survey Year 1 Results: Validation of Weak Lensing Cluster Member Contamination Estimates from P(z) decomposition*, arxiv:1812.05116

DeRose J., et al., 2018, *The Aemulus Project I: Numerical Simulations for Precision Cosmology*, arxiv:1804.05865

Zhai Z., et al., 2019, *The Aemulus Project III: Emulation of the Galaxy Correlation Function*, ApJ, 874, 95

Melchior P., Gruen D., **McClintock T.** et al., 2017, *Weak-lensing Mass Calibration of redMaPPer Clusters in Dark Energy Survey Science Verification Data*, MNRAS, 469, 4899

Simet M., **McClintock T.** et al., 2017, *Weak Lensing Measurements of the Mass–Richness Relation of SDSS redMaPPer Clusters*, MNRAS, 466, 3103

Melia F., **McClintock T.**, 2015, *Supermassive Black Holes in the Early Universe*, RSPSA, 471, 449

Melia F., **McClintock T.**, 2015, *A Test of Cosmological Models Using High-z Measurements of H(z)*, AJ, 150, 6

Contributor

Palmese A., et al., 2019, *Stellar Mass as a Galaxy Cluster Mass Proxy: Applications to the Dark Energy Survey redMaPPer Clusters*, arxiv:1903.08813

Raghunathan S., et al., 2019, *Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-Cluster Lensing with SPTpol Data*, ApJ, 872, 170

Costanzi M., et al., 2019, *Modeling Projection Effects in Optically Selected Cluster Catalogs*, AS, 482, 490

Chisari N. E., et al., 2018, *Core Cosmology Library: Precision Cosmological Predictions for LSST*, arxiv:1812.05995

Abbot T., et al., 2018, *The Dark Energy Survey: Data Release 1*, ApJS, 239, 18

Shin T., et al., 2018, *Measurements of the Splashback Feature around SZ-selected Galaxy Clusters with DES, SPT, and ACT*, arxiv:1811.06081

Chang C., et al., 2018, *The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles*, ApJ, 864, 83

Friedrich O., et al., 2018, *Density Split Statistics: Joint Model of Counts and Lensing in Cells*, Phys. Rev. D, 98, 3508