PUBLICATIONS

See ADS, Google Scholar, and INSPIRE for the complete publication list

First-author papers (8 published/accepted; 1 submitted)

1. *"Bayesian Multi-line Intensity Mapping"*
   Y.-T. Cheng, K. Wang, B. D. Wandelt, T.-C. Chang, and O. Doré; 2024, ApJ, 971, 159; arXiv:2403.19740
2. *"Is the Radio Source Dipole from NVSS Consistent with the CMB and ΛCDM?"*
   Y.-T. Cheng, T.-C. Chang, and Adam Lidz; 2023, ApJ, 965, 32; arXiv:2309.02490
3. *"Data-driven Cosmology from Three-dimensional Light Cones"*
   Y.-T. Cheng, B. D. Wandelt, T.-C. Chang, and O. Doré; 2023, ApJ, 944, 151; arXiv:2210.10052
4. *"Near-infrared Extragalactic Background Light Fluctuations on Nonlinear Scales"*
   Y.-T. Cheng, and J. J. Bock; 2022; ApJ 940, 115; arXiv:2207.13712
5. *"Cosmic Near-Infrared Background Tomography with SPHEREx Using Galaxy Cross-Correlations"*
   Y.-T. Cheng, and T.-C. Chang; 2022, ApJ 925, 136; arXiv:2109.10914
6. *"Probing Intra-Halo Light with Galaxy Stacking in CIBER Images"*
   Y.-T. Cheng, et al. (CIBER Collaboration); 2021, ApJ, 919, 69; arXiv:2103.03882
7. *"Phase-Space Spectral Line De-confusion in Intensity Mapping"*
   Y.-T. Cheng, T.-C. Chang, and J. J. Bock; 2020, ApJ, 901, 142; arXiv:2005.05341
8. *"Optimally Mapping Large-Scale Structures with Luminous Sources"*
   Y.-T. Cheng, R. de Putter, T.-C. Chang, and O. Doré; 2019, ApJ, 877, 86; arXiv:1809.06384
9. *"Spectral Line De-Confusion in an Intensity Mapping Survey"*
   Y.-T. Cheng, T.-C. Chang, J. J. Bock, C. M. Bradford, and A. R. Cooray; 2016, ApJ, 832, 165; arXiv:1604.07833

Co-author papers

1. *"Inferred Measurements of the Zodiacal Light Absolute Intensity through Fraunhofer Absorption Line Spectroscopy with CIBER"*
   P. M. Korngut, et al., 2022, ApJ, 926, 133; arXiv:2104.07104
2. *"Probing Cosmic Reionization and Molecular Gas Growth with TIME"*
   G. Sun, T.-C. Chang, et al., 2021, ApJ, 915, 33; arXiv:2012.09160
3. *"Superresolution Reconstruction of Severely Undersampled Point-spread Functions Using Point-source Stacking and Deconvolution"*
   T. Symons, M. Zemcov, et al., 2021, ApJS, 252, 24; arXiv:2102.01094
4. *"Hafnium Films and Magnetic Shielding for TIME, A mm-Wavelength Spectrometer Array"*
   J. Hunacek, et al., 2018, JLTP, 193, 893
5. *"A Foreground Masking Strategy for [C II] Intensity Mapping Experiments Using Galaxies Selected by Stellar Mass and Redshift"*
   G. Sun, L. Moncelsi, M. P. Viero, et al., 2018, ApJ, 856, 107; arXiv:1601.10095
6. *"Design and fabrication of tes detector modules for the time-pilot [cii] intensity mapping experiment"*
   J. Hunacek, et al., 2016, JLTP, 184, 733

Non-refereed review papers / white papers

1. *"PRIMA General Observer Science Book"*
   A. Moullet, et al., 2023, arXiv:2310.20572 (contributing a line intensity mapping science case for PRIMA)
2. *"Tomography of the Cosmic Dawn and Reionization Eras with Multiple Tracers"*
   T.-C. Chang, et al., 2019, Astro2020 White Paper, arXiv:1903.11744
3. *"Line-Intensity Mapping: 2017 Status Report"*
   E. D. Kovetz, M. P. Viero, et al., 2017, arXiv:1709.09066

Conference proceedings

1. *"A status update on TIME: a mm-wavelength spectrometer designed to probe the Epoch of Reionization"*
   A. Crites, et al., 2020, SPIE, 114530G
2. *"Detector modules and spectrometers for the TIME-Pilot [CII] intensity mapping experiment"*
   J. Hunacek, et al., 2016, SPIE, 99140L