

Publications

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- [22] X. Li, N. Weaverdyck, S. Adhikari, D. Huterer, J. Muir, and **H.-Y. Wu**. [The Quest for the Inflationary Spectral Runnings in the Presence of Systematic Errors](#). *Astrophysical Journal*, 862:137, August 2018.
- [21] **H.-Y. Wu**, O. Doré, R. Teyssier, and P. Serra. [Interpreting the cosmic far-infrared background anisotropies using a gas regulator model](#). *Monthly Notices of the Royal Astronomical Society*, 475:3974–3995, April 2018.
- [20] **H.-Y. Wu** and D. Huterer. [Sample variance in the local measurements of the Hubble constant](#). *Monthly Notices of the Royal Astronomical Society*, 471:4946–4955, November 2017.
- [19] M. Béthermin, **H.-Y. Wu**, G. Lagache, I. Davidzon, N. Ponthieu, M. Cousin, L. Wang, O. Doré, E. Daddi, and A. Lapi. [The impact of clustering and angular resolution on far-infrared and millimeter continuum observations](#). *Astronomy and Astrophysics*, 607: A89, November 2017.
- [18] O. Hahn, D. Martizzi, **H.-Y. Wu**, A. E. Evrard, R. Teyssier, and R. H. Wechsler. [Rhapsody-G simulations - I. The cool cores, hot gas and stellar content of massive galaxy clusters](#). *Monthly Notices of the Royal Astronomical Society*, 470:166–186, August 2017.
- [17] **H.-Y. Wu** and O. Doré. [Optimizing future experiments of cosmic far-infrared background: a principal component approach](#). *Monthly Notices of the Royal Astronomical Society*, 467:4150–4160, June 2017.
- [16] **H.-Y. Wu** and O. Doré. [A minimal empirical model for the cosmic far-infrared background anisotropies](#). *Monthly Notices of the Royal Astronomical Society*, 466:4651–4658, April 2017.
- [15] D. Martizzi, O. Hahn, **H.-Y. Wu**, A. E. Evrard, R. Teyssier, and R. H. Wechsler. [RHAPSODY-G simulations - II. Baryonic growth and metal enrichment in massive galaxy clusters](#). *Monthly Notices of the Royal Astronomical Society*, 459:4408–4427, July 2016.
- [14] **H.-Y. Wu**, A. E. Evrard, O. Hahn, D. Martizzi, R. Teyssier, and R. H. Wechsler. [RHAPSODY-G simulations: galaxy clusters as baryonic closed boxes and the covariance between hot gas and galaxies](#). *Monthly Notices of the Royal Astronomical Society*, 452:1982–1991, September 2015.
- [13] D. Huterer, D. Kirkby, R. Bean, A. Connolly, K. Dawson, S. Dodelson, A. Evrard, B. Jain, M. Jarvis, E. Linder, R. Mandelbaum, M. May, A. Raccanelli, B. Reid, E. Rozo, F. Schmidt, N. Sehgal, A. Slosar, A. van Engelen, **H.-Y. Wu**, and G. Zhao. [Growth of cosmic structure: Probing dark energy beyond expansion](#). *Astroparticle Physics*, 63:23–41, March 2015.
- [12] **H.-Y. Wu**, O. Hahn, A. E. Evrard, R. H. Wechsler, and K. Dolag. [Virial scaling of galaxies in clusters: bright to faint is cool to hot](#). *Monthly Notices of the Royal Astronomical Society*, 436:460–469, November 2013.

- [11] **H.-Y. Wu** and D. Huterer. [The impact of systematic uncertainties in N-body simulations on the precision cosmology from galaxy clustering: a halo model approach](#). *Monthly Notices of the Royal Astronomical Society*, 434:2556–2571, September 2013.
- [10] **H.-Y. Wu**, O. Hahn, R. H. Wechsler, P. S. Behroozi, and Y.-Y. Mao. [Rhapsody. II. Subhalo Properties and the Impact of Tidal Stripping From a Statistical Sample of Cluster-size Halos](#). *Astrophysical Journal*, 767:23, April 2013.
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