PUBLICATION LIST

Naoki Yoshida (September 1, 2024)

1 Refereed papers

1. "The stellar initial mass functions of early dark matter-less clusters",
   Lake, W., et al., submitted to Nature Astronomy

2. "JWST PRIMER: A lack of outshining in four normal z = 4 − 6 galaxies from the ALMA-CRISTAL Survey",
   Lines, N., et al., 2024, submitted to MN

3. "An Analytic Model of Gravitational Collapse Induced by Radiative Cooling: Instability Scale, Infall Velocity, and Accretion Rate",
   Gurian, J., Liu, B., Jeong, D., Hirano, S., Hosokawa, T., **Yoshida, N.**, 2024, submitted to MN

4. "Detection of the OI 63 μm emission line from the z=6.04 quasar J2054-0005",
   Ishii, N., et al., submitted to PASJ, 2024

5. "JWST, ALMA, and Keck Spectroscopic Constraints on the UV Luminosity Functions at z = 7-14: Clumpiness and Compactness of the Brightest Galaxies in the Early Universe",
   Harikane, Y., et al., **Yoshida, N.**, 2024, submitted ApJ

6. "Towards a universal analytical model for Population III star formation: interplay between feedback and fragmentation",
   Li, B, Gurian, J., Inayoshi, K., Hirano, S., Hosokawa, T., Bromm, V., **Yoshida, N.**, 2024, MN in press

7. "The effect of stellar evolution on dispersal of protoplanetary disks: Disk fraction in star-forming regions",
   Komaki, A., **Yoshida, N.**, 2024, submitted to ApJ

8. "The Supersonic Project: Early Star Formation with the Streaming Velocity",
   Lake, W., et al. 2024, ApJ in press

9. "Quantum algorithm for collisionless Boltzmann simulation of self-gravitating systems",
   Yamazaki, S., Uchida, F., Fujisawa, K., **Yoshida, N.**, submitted to Computers and Fluids

10. "Neural network prediction of model parameters for strong lensing samples from Hyper Suprime-Cam Survey"
    Gawade, P., More, A., Kimura, A., Sonnenfeld, A., Ogrui, M., **Yoshida, N.**, submitted to MN

11. "The imprint of the first stars on the faint end of the white dwarf luminosity function",
    Dzieciol, B., Hartwig, T., **Yoshida, N.**, 2024, MN in press

12. "RIOJA. Complex Dusty Starbursts in a Major Merger B14-65666 at z=7.15",
    Sugahara, Y., et al., **Yoshida, N.**, 2024, submitted to ApJ

13. "Redshift-dependent galaxy formation efficiency at z=5-13 in the FirstLight simulations",
Ceverino, D., Nakazato, Y., **Yoshida, N.**, Klessen, R., Glover, S., 2024, Astron. and Astrophys. in press

14. "Dark Matter Mounds: Towards a realistic description of dark matter over densities around black holes",
Bertone, G.,, Gaggero, D., Kavanagh, B., Wierda, R., **Yoshida, N.**, 2024, submitted to PRL

15. "A merger-driven scenario for clumpy galaxy formation in the epoch of reionization: Physical properties of clumps in the FirstLight simulation",
Nakazato, Y., Ceverino, D., **Yoshida, N.**, ApJ in press

16. "Modeling the core-halo mass relation in FDM halos",
Kawai, H., Kamada, A., Kamada, K., **Yoshida, N.**, 2024, PRD, 110, id.023519

17. "Three-Dimensional Reconstruction of Weak-Lensing Mass Maps with a Sparsity Prior. II. Weighing Triaxial Cluster Halos",
Yang, S., Li, X., **Yoshida, N.**, submitted to ApJ

18. "The effect of ultra-violet photon pumping of H_2 in dust-deficient protoplanetary disks",
Komaki, A., Kuiper, R., **Yoshida, N.**, 2024, ApJ, 963, 81

19. "The Supersonic Project: Lighting up the faint end of the JWST UV luminosity function",
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20. "Quantum algorithm for the Vlasov simulation of the large-scale structure formation with massive neutrinos",
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21. "Early Structure Formation from Primordial Density Fluctuations with a Blue, Tilted Power Spectrum: High-Redshift Galaxies",
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22. "The 300 parsec imaging of a z = 8.31 galaxy: Turbulent ionized gas and a superbubble 600 million years after the Big Bang",
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23. "The Supersonic Project: Star Formation in Early Star Clusters without Dark Matter",
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24. "RIOJA I. The core of the highest redshift galaxy overdensity at z = 7.88 confirmed by NIRSpec/JWST",
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25. "Simulations of protoplanetary disk dispersal: Stellar mass dependence of the disk lifetime",
Komaki, A., Fukuhara, H., Suzuki, T., **Yoshida, N.**, submitted to ApJ

26. "ALMA Deep Field in SSA22: Reconstructed [CII] Luminosity Function at $z = 6$",
Hayatsu, N. H. et al. submitted to PASJ

27. "Detections of [CII] 158 micron and [OIII] 88 micron in a Local Lyman Continuum Emitter, Mrk 54, and its Implications to High-redshift ALMA Studies", Ura, R., et al., ApJ, 948, 3

28. "Simulations of high-redshift [OIII] emitters: Chemical evolution and multi-line diagnostics",
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29. "The Supersonic Project: The eccentricity and rotational support of SIGOs and DM GHOSts", Williams, C., et al. 2023, ApJ, 945, 6

30. "The Supersonic Project: The Early Evolutionary Path of SIGOs", Lake, W., et al. 2023, ApJ, 943, 132

31. "Galaxy clustering from the bottom up: A Streaming Model emulator I", Cuesta-Lazaro, L. et al., 2023, MN, 523, 3219

32. "Euclid detectability of pair instability supernovae in binary population synthesis models consistent with merging binary black hole", Tanikawa, A., Moriya, T., Tominaga, N., **Yoshida, N.**, 2023, MN Letters, 519, 32

33. "Cosmological inference from emulator based halo model II: Joint analysis of galaxy-galaxy weak lensing and galaxy clustering from HSC-Y1 and SDSS", Miyatake, H., Sugiyama, S., Takada, M., et al., **Yoshida, N.**, 2022, PRD, 106, 3520

34. "Deep-learning Real/Bogus classification for the Tomo-e Gozen transient survey", Takahashi, I., Hamasaki, R., Ueda, N., Tanaka, M., Tominaga, N., Sako, S., Ohsawa, R., **Yoshida, N.**, 2022, PASJ, 74, 946

35. "Public Release of A-SLOTH: Ancient Stars and Local Observables by Tracing Halos", Hartwig, T., Magg, M., Chen, L.-H., et al., **Yoshida, N.**, 2022, ApJ, 936, 45

36. "Possible Systematic Rotation in the Mature Stellar Population of a z=9.1 Galaxy", Tokuoka, T., Inoue, A. K., Hashimoto, T. et al. **Yoshida, N.**, 2022, ApJ Letters, 933, 19

37. "The three-year shear catalog of the Subaru Hyper Suprime-Cam SSP Survey", Li, X. et al., **Yoshida, N.**, 2022, PASJ, 74, 421

38. " Cosmic density field reconstruction with a sparsity prior using images of distant galaxies ", **Yoshida, N.** & Li, X., 2022, In Proceedings of Big Data Analytics in Science and Engineering (BDA2021), Lecture Note in Computer Science, Volume 13167

39. "H_2 cooling and gravitational collapse of supersonically induced gas objects", Nakazato, Y., Chiaki, G., **Yoshida, N.**, Naoz, S., Lake, W., 2022 ApJ Letters, 927, L12

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41. "Stellar Wind Effect on the Atmospheric Escape of Hot Jupiters and their H-α and Lyman-α transits", Mitani, H., **Yoshida, N.**, Nakatani, R., 2022, MN, 512, 855

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44. "Deep learning reconstruction of three-dimensional galaxy distributions with intensity mapping observations", Moriwaki, K., **Yoshida, N.**, 2021, ApJL, 923, L7

45. "Disc fragmentation and oligarchic growth of protostellar systems in low-metallicity gas clouds", Chiaki, G., **Yoshida, N.**, 2022, MN, 510, 5199

46. "Fragmentation of ring galaxies and transformation to clumpy galaxies", Inoue, S., **Yoshida, N.**, Hernquist, L., 2021, MN, 507, 6140

47. "Noise reduction for weak lensing mass mapping: An application of generative adversarial networks to Subaru Hyper Suprime-Cam first year data", Shirasaki, M., Moriwaki, K., Oogi, T., **Yoshida, N.**, Ikeda, S., Nishimichi, T., 2021, MN, 504, 1825

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49. "Three-Dimensional Reconstruction of Weak Lensing Mass Maps with a Sparsity Prior I: Cluster Detection", Li, X., **Yoshida, N.**, Oguri, M., Ikeda, S., Luo, W., 2021, ApJ, 916, 67

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73. "Dark Quest I. Fast and Accurate Emulation of Halo Clustering Statistics and its Application to Galaxy Clustering"
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