

PUBLICATION LIST

Naoki Yoshida (February 1, 2022)

1 Refereed papers

1. "The Supersonic Project: The Early Evolutionary Path of SIGOs",
Lake, W., et al. 2022, submitted to ApJ
2. "Machine Learning in Observational Cosmology",
Moriwaki, K., Nishimichi, T., Yoshida, N., 2022, submitted to Reports on Progress in Physics
3. "Galaxy clustering from the bottom up: A Streaming Model emulator I",
Cuesta-Lazaro, L. et al., 2022, submitted to MN
4. "The 300 parsec imaging of a $z = 8.31$ galaxy: Turbulent ionized gas and a superbubble 600 million years after the Big Bang",
Tamura, T., et al., 2022, submitted to ApJ
5. "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 in press
6. "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
7. "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.](#), 2022, submitted to MN
8. "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
9. "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
10. "The three-year shear catalog of the Subaru Hyper Suprime-Cam SSP Survey",
Li, X. et al., [Yoshida, N.](#), 2022, PASJ, 74, 421
11. "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
12. "The effect of ultra-violet photon pumping of H₂ in dust-deficient protoplanetary disks",
Komaki, A., Nakatani, R., Kuiper, R., [Yoshida, N.](#), 2022, submitted to ApJ
13. "H₂ cooling and gravitational collapse of supersonically induced gas objects",
Nakazato, Y., Chiaki, G., [Yoshida, N.](#), Naoz, S., Lake, W., 2022 ApJ Letters, 927, L12

14. "Detecting preheating in proto-clusters with Lyman- α Forest Tomography",
Kooistra, R., Inoue, S., Lee, K.-G., Cen, R., **Yoshida, N.**, 2022, ApJ, 927, 53
15. "Stellar Wind Effect on the Atmospheric Escape of Hot Jupiters and their H- α and Lyman- α transits",
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16. "A 400 trillion-grid Vlasov simulation on Fugaku supercomputer: Large-scale distribution of cosmic relic neutrinos in a six-dimensional phase space",
Yoshikawa, K., Tanaka, S., **Yoshida, N.**, 2021, Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis, November 2021, Article No.5, pages 1-11; doi:10.1145/3458817.3487401
17. "Internal r-process abundance spread of M15 and a single stellar population model",
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18. "Deep learning reconstruction of three-dimensional galaxy distributions with intensity mapping observations",
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19. "Disc fragmentation and oligarchic growth of protostellar systems in low-metallicity gas clouds",
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20. "Fragmentation of ring galaxies and transformation to clumpy galaxies",
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21. "Noise reduction for weak lensing mass mapping: An application of generative adversarial networks to Subaru Hyper Suprime-Cam first year data",
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22. "Formation of an Extended Stellar Halo around an Ultra-faint Dwarf Galaxy Following One of the Earliest Mergers from Galactic Building Blocks",
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23. "Three-Dimensional Reconstruction of Weak Lensing Mass Maps with a Sparsity Prior I: Cluster Detection",
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24. "Large-Scale Variation in Reionization History Caused by Baryon-Dark Matter Streaming Velocity",
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26. "Deep Learning for Line Intensity Mapping Observations: Information Extraction from Noisy Maps",
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27. "Radiation hydrodynamics simulations of protoplanetary disks: Stellar mass dependence of the disk photoevaporation rate",
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28. "The CO universe: Modelling CO emission and H₂ abundance in cosmological galaxy formation simulations",
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29. "Photoevaporation of Minihalos During Cosmic Reionization: Primordial and Metal-Enriched Halos"
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30. "Atmospheric Escape of Close-in Giants around Hot Stars: Far-Ultraviolet Radiation and Photoelectric Heating Effect",
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31. "First Structure Formation under the Influence of Gas-Dark Matter Streaming Velocity and Density",
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32. "Cosmological Vlasov-Poisson Simulations of Structure Formation with Relic Neutrinos: Nonlinear Clustering and the Neutrino Mass",
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33. "Formation of massive stars under protostellar radiation feedback: Very metal-poor stars",
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34. "Photometric classification of the HSC transients through machine learning",
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36. "R-process Enrichment in Ultrafaint Dwarf Galaxies",
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37. "ALMA uncovers the [CII] emission and warm dust continuum in a $z = 8.31$ Lyman break galaxy",
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41. "Spiral Arm Instability III: Fragmentation of primordial protostellar discs"
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42. "Clumpy galaxies in cosmological simulations: The effect of ISM model"
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43. "Correlation between the 21cm signal and [OIII] line emitters during the early cosmic reionisation"
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46. "Denoising Weak Lensing Mass Maps with Deep Learning"
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