Publication list

Accepted

1. K. T. Abe and H. Tashiro, "CMB lensing from early-formed dark matter halos," Phys. Rev. D **109**, no.10, 103524 (2024) doi:10.1103/PhysRevD.109.103524 [arXiv:2401.00407 [astro-ph.CO]].
2. K. T. Abe, H. Kawai and M. Oguri, "Analytic approach to astrometric perturbations of critical curves by substructures," Phys. Rev. D **109**, no.8, 083517 (2024) doi:10.1103/PhysRevD.109.083517 [arXiv:2311.18211 [astro-ph.CO]].
3. K. T. Abe and Y. Tada, "Translating nano-Hertz gravitational wave background into primordial perturbations taking account of the cosmological QCD phase transition," Phys. Rev. D **108**, no.10, L101304 (2023) doi:10.1103/PhysRevD.108.L101304 [arXiv:2307.01653 [astro-ph.CO]].
4. K. T. Abe, R. Inui, Y. Tada and S. Yokoyama, "Primordial black holes and gravitational waves induced by exponential-tailed perturbations," JCAP **05**, 044 (2023) doi:10.1088/1475-7516/2023/05/044 [arXiv:2209.13891 [astro-ph.CO]].
5. K. T. Abe, "Cosmological contribution from population III stars in ultracompact minihalos," Phys. Rev. D **106**, no.8, 083521 (2022) doi:10.1103/PhysRevD.106.083521 [arXiv: 2208.00375 [astro-ph.CO]]).
6. K. T. Abe and H. Tashiro, "Cosmological free-free emission from dark matter halos in the ΛCDM model," Phys. Rev. D **106**, no.6, 063523 (2022) doi:10.1103/PhysRevD.106.063523 [arXiv: 2206.11261 [astro-ph.CO]].
7. K. T. Abe, T. Minoda and H. Tashiro, "Constraint on the early-formed dark matter halos using the free-free emission in the Planck foreground analysis," Phys. Rev. D **105**, no.6, 063531 (2022) doi:10.1103/PhysRevD.105.063531 [arXiv: 2108.00621 [astro-ph.CO]].
8. K. T. Abe, Y. Tada and I. Ueda, "Induced gravitational waves as a cosmological probe of the sound speed during the QCD phase transition," JCAP **06**, 048 (2021) doi:10.1088/1475-7516/2021/06/048 [arXiv: 2010.06193 [astro-ph.CO]].
9. K. T. Abe and H. Tashiro, "Population III star explosions and Planck 2018 data," Phys. Rev. D **103**, no.12, 123543 (2021) doi:10.1103/PhysRevD.103.123543 [arXiv:2103.01643 [astro-ph.CO]].
10. K. Furugori, K. T. Abe, T. Tanaka, D. Hashimoto, H. Tashiro and K. Hasegawa, "The 21-cm signals from ultracompact minihaloes as a probe of primordial small-scale fluctuations," Mon. Not. Roy. Astron. Soc. **494**, no.3, 4334-4342 (2020) doi:10.1093/mnras/staa1033 [arXiv: 2002.04817 [astro-ph.CO]].
11. K. T. Abe, H. Tashiro and T. Tanaka, "Thermal Sunyaev-Zel'dovich anisotropy due to primordial black holes," Phys. Rev. D **99**, no.10, 103519 (2019) doi:10.1103/PhysRevD.99.103519 [arXiv: 1901.06809 [astro-ph.CO]].

Submitted

1. T. Broadhurst, S. K. Li, A. Alfred, J. M. Diego, P. Morilla, P. L. Kelly, F. Sun, M. Oguri, H. Williams and R. Windhorst, *et al.* [arXiv:2405.19422 [astro-ph.CO]].
2. Y. Fudamoto, F. Sun, J. M. Diego, L. Dai, M. Oguri, A. Zitrin, E. Zackrisson, M. Jauzac, D. J. Lagattuta and E. Egami, *et al.* [arXiv:2404.08045 [astro-ph.GA]].

3. H. Tashiro, K. T. Abe and T. Minoda, "Free-free background radiation from accreting primordial black holes," [arXiv:2108.01916 [astro-ph.CO]].