



# NAS Cosmology Journal Club

## Season 3

Event on Wednesday 15.00-16.00 online and on-site at NAS Temporary Office, Science Lab.  
Bld. , Mahidol University, Nakhonsawan Campus

Organizer: Dr. Nandan Roy

Discussion: Holographic Dark energy,  $H_0$  Tension, and  $\sigma_8$  Tension.

No	Date	Discussion Leader	Topic	Reference
1	23/02/2022	Candrasyah Muhammad	Power-law holographic dark energy and cosmology	Telali, Eirini C., and Emmanuel N. Saridakis. "Power-law holographic dark energy and cosmology." arXiv preprint arXiv:2112.06821 (2021).
2	02/03/2022	Phichayoot Baisiri	Anisotropic massive Brans-Dicke gravity extension of the standard $\Lambda$ CDM model	Akarsu, Özgür, Nihan Katırcı, Neşe Özdemir, and J. Alberto Vázquez. "Anisotropic massive Brans–Dicke gravity extension of the standard $\Lambda$ CDM model." The European Physical Journal C 80, no. 1 (2020): 1-26.
3	09/03/2022	Nandan Roy	Reconstructing the dark energy potential	Sangwan, Archana, Ankan Mukherjee, and H. K. Jassal. "Reconstructing the dark energy potential." Journal of Cosmology and Astroparticle Physics 2018, no. 01 (2018): 018.

# NAS Cosmology Journal Club

## Season 3

- |   |            |                        |  |   |
|---|------------|------------------------|--|---|
| 4 | 16/03/2022 | Amornthep<br>Tita      | Holographic<br>Dark Energy<br>from the<br>Anti-de Sitter<br>Black Hole.                  | Nakarachinda,<br>Ratchaphat, et al.<br>“Holographic Dark Energy<br>from the Anti-de Sitter<br>Black Hole.” arXiv preprint<br>arXiv:2201.09715 (2022).   |
| 5 | 06/04/2022 | Candrasyah<br>Muhammad | Estimation of<br>temperature of<br>cosmological<br>apparent horizons:<br>a new approach. | Chatterjee, Bhramar, and<br>Narayan Banerjee.<br>“Estimation of temperature<br>of cosmological apparent<br>horizons: a new approach.”<br>The European Physical<br>Journal C 81, no. 7 (2021):<br>1-6. |
| 6 | 20/04/2022 | Chonticha<br>Kritpetch | Power-law<br>holographic dark<br>energy and<br>cosmology.                                | Telali, Eirini C., and<br>Emmanuel N. Saridakis.<br>“Power-law holographic<br>dark energy and<br>cosmology.” The European<br>Physical Journal C 82.5<br>(2022): 1-7.                                  |

