

NAS Cosmology Journal Club - Season 2

on Wednesday 15.00-16.30 online and on-site

Organizer: Dr. Nandan Roy

Event on Wednesday 16.00-17.00 online and on-site at NAS Temporary Office, Science Lab. Bld. , Mahidol University, Nakhonsawan Campus

Discussion: Holographic Dark energy, H_0 Tension, and σ_8 Tension.

No	Date	Discussion Leader	Topic	Reference
1	01/12/2021	Amornthep Tita	A thermodynamic origin for the Cohen-Kaplan-Nelson bound	Ramakrishna, Satish. "A thermodynamic origin for the Cohen-Kaplan-Nelson bound." <i>arXiv preprint arXiv:2111.07807</i> (2021).
2	08/12/2021	Candrasyah Muhammad	Is the Universe actually holographic?	Sheikhahmadi, Haidar. "Is the Universe actually holographic?." <i>arXiv preprint arXiv:2109.15022</i> (2021).
3	15/12/2021	Phichayoot Baisiri	Constraining the time variation of Newton's constant G with gravitational-wave standard sirens and supernovae	Zhao, Wen, Bill S. Wright, and Baojiu Li. "Constraining the time variation of Newton's constant G with gravitational-wave standard sirens and supernovae." <i>Journal of Cosmology and Astroparticle Physics</i> 2018, no. 10 (2018): 052.
4	22/12/2021	Nandan Roy	Bayesian model selection on scalar ϵ -field dark energy	Vázquez, J. Alberto, David Tamayo, Anjan A. Sen, and Israel Quiros. "Bayesian model selection on scalar ϵ -field dark energy." <i>Physical Review D</i> 103, no. 4 (2021): 043506.
5	29/12/2021	Amornthep Tita	Kaniadakis holographic dark energy in Brans-Dicke cosmology	Ghaffari, S. "Kaniadakis holographic dark energy in Brans-Dicke cosmology." <i>arXiv preprint arXiv:2112.05813</i> (2021).
6	05/01/2022	Candrasyah Muhammad	A note on the dynamical system formulations in $f(R)$ gravity	Chakraborty, Saikat, Peter KS Dunsby, and Kelly Macdevette. "A note on the dynamical system formulations in $f(R)$ gravity." <i>arXiv preprint arXiv:2112.13094</i> (2021).
7	12/01/2022	Phichayoot Baisiri	Interacting Rényi holographic dark energy with parametrization on the interaction term	Sharma, Umesh Kumar, and Vipin Chandra Dubey. "Interacting Rényi holographic dark energy with parametrization on the interaction term." <i>International Journal of Geometric Methods in Modern Physics</i> (2021): 2250010.
8	29/01/2022	Nandan Roy	Dark Energy with Phantom Crossing and the H_0 tension	Di Valentino, Eleonora, Ankan Mukherjee, and Anjan A. Sen. "Dark Energy with Phantom Crossing and the H_0 tension." <i>Entropy</i> 23, no. 4 (2021): 404.

9	17/02/2022	Amornthep Tita	New Tsallis holographic dark energy with apparent horizon as IR-cutoff in non-flat Universe	Ali, Nisha Muttathazhathu, Umesh Kumar Sharma, and Shikha Srivastava. "New Tsallis holographic dark energy with apparent horizon as IR-cutoff in non-flat Universe." arXiv preprint arXiv:2110.07021 (2021).
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