

# NAS Journal Club Season 5

Event on Tuesday 14.00-15.00 online and on-site

at NAS, Science Lab. Bld. , Mahidol University, Nakhonsawan Campus

Organizer: Dr. Nandan Roy

Previous Lists of Discussion [[Season 1](#), [Season 2](#), [Season 3](#), [Season4](#)]

Format: We will be discussing the voted paper on the Bentley-field. In case you are interested to join our journal club search for the **NAS Cosmology Journal Club** and join.

No	Date	Discussion Topic and Reference	Discussion Leader
1	04/10/2022	<p><b>1. Title:</b> <a href="#">The Role of the Hubble Scale in the Weak Lensing vs. CMB Tension (View PDF)</a></p> <p><b>Author:</b> Lucas F. Secco, Tanvi Karwal, Wayne Hu, Elisabeth Krause</p> <p><b>2. Title:</b> <a href="#">On the dynamics of a dark sector coupling (View PDF)</a></p> <p><b>Author:</b> Weiqiang Yang, Supriya Pan, Olga Mena, Eleonora Di Valentino</p>	<p>Masroor C. Pookkillath</p> <p>&amp;</p> <p>Nandan Roy</p>

2	11/10/2022	<p><b>Title:</b> <a href="#">Fast and accurate predictions of the nonlinear matter power spectrum for general models of Dark Energy and Modified Gravity</a> <a href="#">(View PDF)</a></p> <p><b>Author:</b></p> <p>B. Bose, M. Tsedrik, J. Kennedy, L. Lombriser, A. Pourtsidou, A. Taylor</p>	<p>Masroor C. Pookkillath</p> <p>&amp;</p> <p>Phichayoot Baisri</p>
3	18/20/2022	<p><b>Title:</b> <a href="#">Thermodynamics of the FLRW apparent horizon</a> <a href="#">(View PDF)</a></p> <p><b>Author:</b></p> <p>Luis M. Sanchez, Hernando Quevedo</p>	<p>Candrasyah Muhammad</p>
4	25/10/2022	<p><b>Title:</b> <a href="#">Beyond <math>\Lambda</math>CDM constraints from the full shape clustering measurements from BOSS and eBOSS</a> <a href="#">(View PDF)</a></p> <p><b>Author:</b></p> <p><a href="#">Agne Semenaite</a>, Ariel G. Sánchez, Andrea Pezzotta, <a href="#">Jiamin Hou</a>, <a href="#">Alexander Eggemeier</a>, Martin Crocce, Cheng</p>	<p>Masroor C. Pookkillath</p>

5	01/11/2022	Zhao, Joel R. Brownstein <a href="#">et al.</a>	Masroor C. Pookkillath
		<b>Title:</b> <a href="#">Testing gravitational wave propagation with multiband detections</a> <a href="#">(View PDF)</a>	
		<b>Author:</b>	
		Tessa Baker, Enrico Barausse, <a href="#">Anson Chen</a> , <a href="#">Claudia de Rham</a> , <a href="#">Mauro Pieroni</a> , Gianmassimo Tasinato	
6	08/11/2022	<b>Title:</b> <a href="#">Scalar field as a perfect fluid: thermodynamics of minimally coupled scalars and Einstein frame scalar-tensor gravity</a> <a href="#">(View PDF)</a>	Masroor C. Pookkillath
		<b>Author:</b>	
		Valerio Faraoni, Serena Giardino, Andrea Giusti, Robert Vanderwee	

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15/11/2022

Phichayoot Baisri

**Title:** [Modified cosmology from the thermodynamics of apparent horizon \(View PDF\)](#)

**Author:**

Shin'ichi Nojiri, Sergei D. Odintsov, Tanmoy Paul

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22/11/2022

Nandan Roy

**Title:** [Resolving the Hubble tension with Early Dark Energy \(View PDF\)](#)

**Author:**

[Laura Herold](#), Elisa G. M. Ferreira

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29/11/2022

Amornthep Tita

**Title:** [Thermodynamics of Black Holes with R\'enyi Entropy from Classical Gravity \(View PDF\)](#)

**Author:**

Ratchaphat Nakarachinda, Chatchai Promsiri, Lunchakorn

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06/12/2022

Tannukij, Pitayuth  
Wongjun

**Title:** [A cosmographic  
outlook on dark energy  
and modified gravity](#)  
([View PDF](#))

**Author:**

Salvatore Capozziello,  
Rocco D'Agostino

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Muhammad