

**6th Thailand School on
High-Energy and
Astro-Physics (SHEAP 2024):
Inflationary cosmology**

Report of Contributions

Contribution ID: 1

Type: not specified

Check-in

Saturday 8 June 2024 14:00 (4 hours)

Contribution ID: 2

Type: **not specified**

Cosmology: an overview

Sunday 9 June 2024 09:00 (1h 15m)

Presenter: PONGLERTSAKUL, Supakchai



Contribution ID: 3

Type: **not specified**



Sunday 9 June 2024 08:30 (30 minutes)



Contribution ID: 4

Type: **not specified**



Sunday 9 June 2024 10:15 (30 minutes)

Contribution ID: 5

Type: **not specified**

Special relativity: recap

Sunday 9 June 2024 10:45 (1h 15m)

Presenter: TANNUKIJ, Lunchakorn (Mahidol University)



Contribution ID: 6

Type: **not specified**



Sunday 9 June 2024 12:00 (1h 15m)

Contribution ID: 7

Type: **not specified**

Equivalent principle

Sunday 9 June 2024 13:15 (1h 15m)

Presenter: TANNUKIJ, Lunchakorn (Mahidol University)



Contribution ID: 8

Type: **not specified**



Sunday 9 June 2024 14:30 (30 minutes)

Contribution ID: 9

Type: **not specified**

Introduction to manifold

Sunday 9 June 2024 15:00 (1h 15m)

Presenter: WATCHARANGKOOL, apimook (Researcher)

Contribution ID: **10**

Type: **not specified**

Tutorial

Sunday 9 June 2024 16:15 (1h 45m)

Contribution ID: **11**

Type: **not specified**

Vectors and tensors on manifold

Monday 10 June 2024 09:00 (1h 15m)

Presenter: WATCHARANGKOOL, apimook (Researcher)



Contribution ID: **12**

Type: **not specified**



Monday 10 June 2024 10:15 (30 minutes)

Contribution ID: 13

Type: **not specified**

Least action principle

Monday 10 June 2024 10:45 (1h 15m)

Presenter: Dr PONGKITIVANICHKUL, Chakrit (Khon Kaen University)



Contribution ID: **14**

Type: **not specified**



Monday 10 June 2024 12:00 (1h 15m)

Contribution ID: 15

Type: **not specified**

Geodesics and covariant derivative

Monday 10 June 2024 13:15 (1h 15m)

Presenter: Dr NAKARACHINDA, Ratchaphat



Contribution ID: **16**

Type: **not specified**



Monday 10 June 2024 14:30 (30 minutes)

Contribution ID: 17

Type: **not specified**

Curvature

Monday 10 June 2024 15:00 (1h 15m)

Presenter: Dr NAKARACHINDA, Ratchaphat

Contribution ID: **18**

Type: **not specified**

Tutorial

Monday 10 June 2024 16:15 (1h 45m)

Contribution ID: **19**

Type: **not specified**

From curvature to Einstein's equation

Tuesday 11 June 2024 09:00 (1h 15m)

Presenter: PONGLERTSAKUL, Supakchai



Contribution ID: **20**

Type: **not specified**



Tuesday 11 June 2024 10:15 (30 minutes)

Contribution ID: 21

Type: **not specified**

Classical field in curved spacetime

Tuesday 11 June 2024 10:45 (1h 15m)

Presenter: Dr NUCHINO, Patharadanai



Contribution ID: **22**

Type: **not specified**



Tuesday 11 June 2024 12:00 (1h 15m)

Contribution ID: 23

Type: **not specified**

Einstein-Hilbert action and energy momentum tensor I

Tuesday 11 June 2024 13:15 (1h 15m)

Presenter: Dr PROMSIRI, Chatchai



Contribution ID: **24**

Type: **not specified**



Tuesday 11 June 2024 14:30 (30 minutes)

Contribution ID: 25

Type: **not specified**

Einstein-Hilbert action and energy momentum tensor II

Tuesday 11 June 2024 15:00 (1h 15m)

Presenter: Dr PROMSIRI, Chatchai

Contribution ID: **26**

Type: **not specified**

Tutorial

Tuesday 11 June 2024 16:15 (1h 45m)

Contribution ID: 27

Type: **not specified**

Cosmological principle, maximally symmetric space, FLRW metric

Wednesday 12 June 2024 09:00 (1h 15m)

Presenter: Dr PHALUNGSONGSATHIT, Satta



Contribution ID: **28**

Type: **not specified**



Wednesday 12 June 2024 10:15 (30 minutes)

Contribution ID: 29

Type: **not specified**

Perfect fluid, cosmological solutions

Wednesday 12 June 2024 10:45 (1h 15m)

Presenter: Dr PHALUNGSONGSATHIT, Sattha



Contribution ID: **30**

Type: **not specified**



Wednesday 12 June 2024 12:00 (1h 15m)

Contribution ID: 31

Type: **not specified**

Cosmological problems and inflation

Wednesday 12 June 2024 13:15 (1h 15m)

Presenter: HIRUNSIRISAWAT, Ekapong



Contribution ID: **32**

Type: **not specified**



Wednesday 12 June 2024 14:30 (15 minutes)

Contribution ID: **33**

Type: **not specified**

Tutorial

Wednesday 12 June 2024 14:45 (1h 15m)

Contribution ID: **34**

Type: **not specified**

School banquet

Wednesday 12 June 2024 18:00 (2 hours)

Contribution ID: 35

Type: **not specified**

Dynamics of inflation, action for scalar field

Thursday 13 June 2024 09:00 (1h 15m)

Presenter: HIRUNSIRISAWAT, Ekapong



Contribution ID: **36**

Type: **not specified**



Thursday 13 June 2024 10:15 (30 minutes)

Contribution ID: 37

Type: **not specified**

Cosmological perturbation

Thursday 13 June 2024 10:45 (1h 15m)

Presenter: Dr WONGJUN, Pitayuth (The Institute for Fundamental Study, Naresuan University)



Contribution ID: **38**

Type: **not specified**



Thursday 13 June 2024 12:00 (1h 15m)

Contribution ID: **39**

Type: **not specified**

Perturbed action

Thursday 13 June 2024 13:15 (1h 15m)

Presenter: Dr WONGJUN, Pitayuth (The Institute for Fundamental Study, Naresuan University)



Contribution ID: **40**

Type: **not specified**



Thursday 13 June 2024 14:30 (30 minutes)

Contribution ID: **41**

Type: **not specified**

Tutorial

Thursday 13 June 2024 15:00 (1h 30m)

Contribution ID: 42

Type: **not specified**

Public talk: A brief history of cosmos

Thursday 13 June 2024 17:00 (1 hour)

by ██████████ ██████████

Presenter: WECHAKAMA, Maneenate (Kasetsart University)

Contribution ID: 43

Type: **not specified**

Power spectrum

Friday 14 June 2024 09:00 (1h 15m)

Presenter: Dr KARWAN, Khamphee (The Institute for Fundamental Study)



Contribution ID: 44

Type: **not specified**



Friday 14 June 2024 10:15 (30 minutes)

Contribution ID: 45

Type: **not specified**

Scalar/tensor power spectrum, observed quantities

Friday 14 June 2024 10:45 (1h 15m)

Presenter: Dr KARWAN, Khamphee (The Institute for Fundamental Study)



Contribution ID: 46

Type: **not specified**



Friday 14 June 2024 12:00 (1h 15m)

Contribution ID: 47

Type: **not specified**

Stochastic gravitational waves

Friday 14 June 2024 13:15 (1h 15m)

Presenter: Dr KARWAN, Khamphee (The Institute for Fundamental Study)



Contribution ID: **48**

Type: **not specified**



Friday 14 June 2024 14:30 (15 minutes)

Contribution ID: 49

Type: **not specified**

Research talk: BAO/stochastic GWs

Friday 14 June 2024 14:45 (1h 15m)