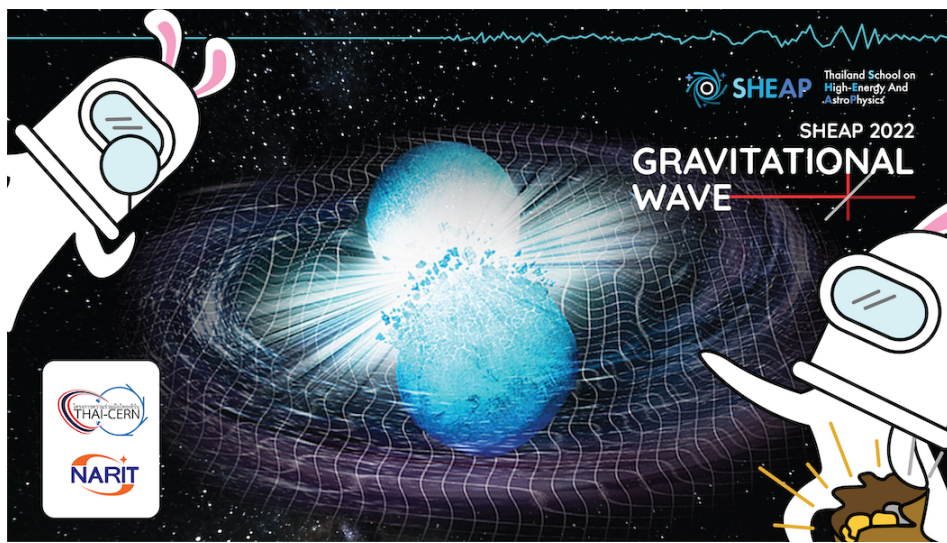


4th Thailand School on High-Energy and Astro-Physics (SHEAP 2022): Gravitational wave



Report of Contributions

Contribution ID: 2

Type: **not specified**

Overview gravitational waves

Monday 11 July 2022 09:00 (1h 15m)

Presenter: WATCHARANGKOOL, Amipook

Contribution ID: 3

Type: **not specified**

Special relativity recap

Monday 11 July 2022 10:45 (1h 15m)

Presenter: HIRUNSIRISAWAT, Ekapong

Contribution ID: 4

Type: **not specified**

Equivalence principle

Monday 11 July 2022 13:15 (1h 15m)

Presenter: HIRUNSIRISAWAT, Ekapong

Contribution ID: 5

Type: **not specified**

A brief introduction to manifolds

Tuesday 12 July 2022 09:00 (1h 15m)

Presenter: WATCHARANGKOOL, Apimook

Contribution ID: 6

Type: **not specified**

Vectors and tensors on manifolds 1

Tuesday 12 July 2022 10:45 (1h 15m)

Presenter: WATCHARANGKOOL, Apimook

Contribution ID: 7

Type: **not specified**

Vectors and tensors on manifolds 2

Tuesday 12 July 2022 13:15 (1h 15m)

Presenter: NAKARACHINDA, Ratchaphat (Naresuan University)

Contribution ID: 8

Type: **not specified**

Covariant derivatives and Parallel transport

Wednesday 13 July 2022 08:55 (1h 20m)

Presenter: WONGJUN, Pitayuth

Contribution ID: 9

Type: **not specified**

Least action principle and geodesics

Wednesday 13 July 2022 10:45 (1h 15m)

Presenter: TANNUKIJ, Lunchakorn (Mahidol University)

Contribution ID: **10**

Type: **not specified**

Curvature

Wednesday 13 July 2022 13:15 (1h 15m)

Presenter: TANNUKIJ, Lunchakorn (Mahidol University)

Contribution ID: **11**

Type: **not specified**

Einstein's equations

Thursday 14 July 2022 09:00 (1h 15m)

Presenter: PONGLERTSAKUL, Supakchai

Contribution ID: 12

Type: **not specified**

Solution of Einstein's equations 1

Thursday 14 July 2022 10:45 (1h 15m)

Schwarzschild solution

Presenter: PONGLERTSAKUL, Supakchai

Contribution ID: 13

Type: **not specified**

Solution of Einstein's equations 2

Thursday 14 July 2022 13:15 (1h 15m)

Kerr solution

Presenter: WONGJUN, Pitayuth

Contribution ID: 14

Type: **not specified**

Gravitational perturbation 1

Friday 15 July 2022 09:00 (1h 15m)

Presenter: PONGLERTSAKUL, Supakchai

Contribution ID: 15

Type: **not specified**

Gravitational perturbation 2

Friday 15 July 2022 10:45 (1h 15m)

Presenter: SAMART, Daris

Contribution ID: **16**

Type: **not specified**

Gravitational perturbation 3

Friday 15 July 2022 13:15 (1h 15m)

Presenter: WATCHRANGKOOL, Apimook

Contribution ID: 17

Type: **not specified**

Gravitational waves 1

Saturday 16 July 2022 09:00 (1h 15m)

Presenter: SAMART, Daris

Contribution ID: **18**

Type: **not specified**

Gravitational waves 2

Saturday 16 July 2022 10:45 (1h 15m)

Gravitational wave solutions with source, Generation of gravitational wave from binary stars,
Energy loss due to gravitational wave emission

Presenter: WONGJUN, Pitayuth

Contribution ID: **19**

Type: **not specified**

Panel Discussion

Saturday 16 July 2022 14:45 (1h 15m)

Contribution ID: **20**

Type: **not specified**

Tutorial & discussion

Contribution ID: 21

Type: **not specified**

Gravitational wave 3: Gravitational Wave in an Expanding Universe and its Implications

Saturday 16 July 2022 13:15 (1h 30m)

Presenter: YINGCHAROENRAT, Vicharit (Kavli IPMU, University of Tokyo)

Contribution ID: 22

Type: **not specified**

Tutorial and Discussion

Monday 11 July 2022 15:00 (2 hours)

Contribution ID: 23

Type: **not specified**

Tutorial and Discussion

Tuesday 12 July 2022 15:00 (2 hours)

Contribution ID: **24**

Type: **not specified**

Tutorial and Discussion

Wednesday 13 July 2022 15:00 (2 hours)

Contribution ID: 25

Type: **not specified**

Tutorial and Discussion

Thursday 14 July 2022 15:00 (2 hours)

Presenter: POOVUTTIKUL, Nick

Contribution ID: 26

Type: **not specified**

Tutorial and Discussion

Contribution ID: 27

Type: **not specified**

Tutorial and Discussion

Friday 15 July 2022 15:00 (2 hours)

Presenter: POOVUTTIKUL, NAPAT