

**Asia-Pacific School and
Workshop on Gravitation and
Cosmology 2022**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening : Sang Pyo Kim

Saturday 19 March 2022 08:50 (10 minutes)

Contribution ID: 2

Type: **not specified**

Kin-Wang Ng, Search for stochastic gravitational-wave background

Saturday 19 March 2022 10:50 (25 minutes)

Session Classification: General talk

Contribution ID: 3

Type: **not specified**

Tanmoy Paul, Decoding the phases of early and late time reheating through imprints on primordial gravitational waves

Saturday 19 March 2022 11:15 (25 minutes)

Session Classification: General talk

Contribution ID: 4

Type: **not specified**

Chan Park, Data Analysis for Multi-Channel Gravitational Wave Detectors

Saturday 19 March 2022 11:40 (25 minutes)

Session Classification: General talk

Contribution ID: 5

Type: **not specified**

Alberto Roper Pol, The gravitational wave signal from primordial magnetic fields in the Pulsar Timing Array frequency band

Saturday 19 March 2022 12:05 (25 minutes)

Session Classification: General talk

Contribution ID: 6

Type: **not specified**

Dong-Hoon Kim, A geometrical-optics analysis of light perturbed by gravitational waves

Saturday 19 March 2022 15:30 (25 minutes)

Session Classification: General talk

Contribution ID: 7

Type: **not specified**

Reginald Christian Bernardo, Self-tuning beyond degeneracy through the cosmic tadpole

Saturday 19 March 2022 15:55 (25 minutes)

Session Classification: General talk

Contribution ID: 8

Type: **not specified**

Hoi Lai Yu, Intrinsic Time Geometrodynamics

Saturday 19 March 2022 16:20 (25 minutes)

Session Classification: General talk

Contribution ID: 9

Type: **not specified**

Gen-Liang Li, Probing Dark Matter Spikes via Gravitational Waves of Extreme Mass Ratio Inspirals

Session Classification: Student talk

Contribution ID: 10

Type: **not specified**

Ziming Wang, New limits on the Lorentz/CPT symmetry through fifty gravitational-wave events

Saturday 19 March 2022 16:45 (12 minutes)

Session Classification: Student talk

Contribution ID: 11

Type: **not specified**

Bikash Chandra Paul, Emergent Universe with modified matter

Sunday 20 March 2022 10:50 (25 minutes)

Session Classification: General talk

Contribution ID: 12

Type: **not specified**

Nandan Roy, Tracking Scalar Field Models and Hubble Tension

Sunday 20 March 2022 11:15 (25 minutes)

Session Classification: General talk

Contribution ID: 13

Type: **not specified**

SANJAY OLI, Two-fluid Dark Energy & Dark Matter Cosmological Model in Bianchi Spacetime

Sunday 20 March 2022 11:40 (25 minutes)

Session Classification: General talk

Contribution ID: 14

Type: **not specified**

Seokcheon Lee, Meaning of the speed of light in the FLRW universe

Sunday 20 March 2022 12:05 (25 minutes)

Session Classification: General talk

Contribution ID: 15

Type: **not specified**

Subhadeep Bej, Self-Gravitating Bose-Einstein Condensates as a candidate for Dark Matter

Sunday 20 March 2022 15:30 (12 minutes)

Session Classification: Student talk

Contribution ID: 16

Type: **not specified**

BARNIK NATH BHAUMIK, CAN QUANTUM GRAVITY PAVE THE WAY TO DARK ENERGY

Sunday 20 March 2022 15:42 (12 minutes)

Session Classification: Student talk

Contribution ID: 17

Type: **not specified**

Vijay Chawan, Quasar continuum spectrum disfavors black holes with a magnetic monopole charge.

Sunday 20 March 2022 15:54 (12 minutes)

Session Classification: Student talk

Contribution ID: 18

Type: **not specified**

RAJESH KUMAR DUBEY, The Escalation in Hubble's Tension in the Era of Gravitational Waves

Sunday 20 March 2022 16:06 (12 minutes)

Session Classification: Student talk

Contribution ID: 19

Type: **not specified**

Susmita Jana, Constraints on non-minimal coupling of electromagnetic fields from astrophysical observations

Sunday 20 March 2022 16:18 (12 minutes)

Session Classification: Student talk

Contribution ID: 20

Type: **not specified**

Simran Kaur, A study on Holographic Dark Energy model with adiabatic matter creation

Sunday 20 March 2022 16:30 (12 minutes)

Session Classification: Student talk

Contribution ID: 21

Type: **not specified**

GOWTHAM SIDHARTH M, Effect of Plasma on Shadow of Non-singular Rotating Magnetic Monopole in Perfect Fluid Dark matter

Sunday 20 March 2022 16:42 (12 minutes)

Session Classification: Student talk

Contribution ID: 22

Type: **not specified**

Amaury Micheli, Quantum Discord & Decoherence of Inflationary perturbations

Sunday 20 March 2022 16:54 (12 minutes)

Session Classification: Student talk

Contribution ID: 23

Type: **not specified**

Daniele Gregoris, Understanding Gravitational Entropy of Black Holes: A New Proposal via Curvature Invariants

Monday 21 March 2022 10:50 (25 minutes)

Session Classification: General talk

Contribution ID: 24

Type: **not specified**

Pradyumn Sahoo, Power-law cosmology in Weyl-type $f(Q,T)$ gravity

Monday 21 March 2022 12:05 (25 minutes)

Session Classification: General talk

Contribution ID: 25

Type: **not specified**

Muhammad Sharif, Gravitational Decoupling and Modified Gravity

Monday 21 March 2022 11:40 (25 minutes)

Session Classification: General talk

Contribution ID: 26

Type: **not specified**

Nomaan X, Spacetime Entanglement Entropy of de Sitter horizons

Monday 21 March 2022 11:15 (25 minutes)

Session Classification: General talk

Contribution ID: 27

Type: **not specified**

Simran Arora, Constraining effective equation of state in $f(Q, T)$ gravity

Monday 21 March 2022 15:30 (12 minutes)

Session Classification: Student talk

Contribution ID: 28

Type: **not specified**

Panagiotis Charalambous, Black holes tidal deformation - Hidden symmetry of the tune of Love

Monday 21 March 2022 15:42 (12 minutes)

Session Classification: Student talk

Contribution ID: 29

Type: **not specified**

Surojit Dalui, A tale of two phenomena: Instability and thermality in the near horizon region(cancelled)

Monday 21 March 2022 15:54 (12 minutes)

Session Classification: Student talk

Contribution ID: **30**

Type: **not specified**

Finnian Gray, Slowing Rotating Black Holes and Hidden Symmetries

Monday 21 March 2022 16:06 (12 minutes)

Session Classification: Student talk

Contribution ID: 31

Type: **not specified**

Misba Afrin, Testing Horndeski theory with the Event Horizon Telescope

Monday 21 March 2022 16:18 (12 minutes)

Session Classification: Student talk

Contribution ID: 32

Type: **not specified**

Masaya Amo, Asymptotic properties of null geodesics near null infinity

Monday 21 March 2022 16:30 (12 minutes)

Session Classification: Student talk

Contribution ID: 33

Type: **not specified**

Saurabh Saurabh, Investigation of deviation from General relativity using semi-analytic RIAF models(cancelled)

Monday 21 March 2022 16:42 (12 minutes)

Session Classification: Student talk

Contribution ID: 34

Type: **not specified**

Sanjay Mandal, Constraint on equation of state parameter (w) in non-minimally coupled $f(Q)$ gravity

Monday 21 March 2022 16:54 (12 minutes)

Session Classification: Student talk

Contribution ID: 35

Type: **not specified**

Shun-Pei Miao, Summing Inflationary Logarithms in Nonlinear Sigma Models

Tuesday 22 March 2022 10:50 (25 minutes)

Session Classification: General talk

Contribution ID: 36

Type: **not specified**

Yong Tian, The Acceleration Relation in Dark Matter Problem

Tuesday 22 March 2022 11:15 (25 minutes)

Session Classification: General talk

Contribution ID: 37

Type: **not specified**

MONCY JOHN, Exact quantum-classical correspondence of a bouncing and coasting universe

Tuesday 22 March 2022 11:40 (25 minutes)

Session Classification: General talk

Contribution ID: 38

Type: **not specified**

lang liu, Testing primordial black hole and measuring the Hubble constant with multiband gravitational-wave observations

Tuesday 22 March 2022 12:05 (25 minutes)

Session Classification: General talk

Contribution ID: 39

Type: **not specified**

Siddharth Kumar Sahoo, In search of magnetically charged Bardeen black holes

Tuesday 22 March 2022 15:30 (12 minutes)

Session Classification: Student talk

Contribution ID: 40

Type: **not specified**

Ignacio Magaña Hernandez, Constraining the number of spacetime dimensions from GWTC-3 binary black hole mergers

Tuesday 22 March 2022 15:42 (12 minutes)

Session Classification: Student talk

Contribution ID: 41

Type: **not specified**

Zhan-Feng MAI, Superradiant Instability of Extremal Black Holes in STU supergravities

Tuesday 22 March 2022 15:54 (12 minutes)

Session Classification: Student talk

Contribution ID: 42

Type: **not specified**

Paulami Majumder, Gyroscopic precession in the vicinity of Event Horizon

Tuesday 22 March 2022 16:06 (12 minutes)

Session Classification: Student talk

Contribution ID: 43

Type: **not specified**

Chang Liu, Multiband Observations and Early Warnings of BNS and NSBH system

Tuesday 22 March 2022 16:18 (12 minutes)

Session Classification: Student talk

Contribution ID: 44

Type: **not specified**

Takuya Takahashi, Axion cloud evaporation during inspiral of black hole binaries

Tuesday 22 March 2022 16:30 (12 minutes)

Session Classification: Student talk

Contribution ID: 45

Type: **not specified**

Dhong Yeon Cheong, Primordial Black Holes and GWs in Higgs-R2 Inflation

Tuesday 22 March 2022 16:42 (12 minutes)

Session Classification: Student talk

Contribution ID: 46

Type: **not specified**

Xinhao ZOU, The MIGA project

Tuesday 22 March 2022 16:54 (12 minutes)

Session Classification: Student talk