

Session Program

23-28 Aug 2026



2nd New Horizons for Psi Workshop

Parallel Session B

Monday 24 August

14:00

Parallel Session B Session

14:00–14:15 **Long-living Rings and direct wave related with black hole horizon**

Speaker

Wenbiao Han

14:15–14:30

Instability and backreaction of massive spin-2 fields around black holes

Speaker

Zhen Zhong

14:30–14:45

Nonlinear Tidal Modes in Neutron Stars

Speaker

Guangzhou Guo

14:45–15:00

Does a conformal transformation change the quasinormal mode spectrum?

Speaker

Han-Wen Hu

15:00–15:15

Random Environmental Perturbations of Quasinormal Modes: Perturbative and Numerical Analyses in the Pöschl-Teller Model

Speaker

jianing Chen

15:15–15:30

Schwarzschild-de Sitter

Speaker

Liang-Bi Wu

15:30

16:00

Parallel Session B Session

16:00–16:15

Gravitational-Wave Echoes from Layered Compact Objects: A Double-Shell Model

Speaker

Qi Su

16:15–16:30

Self-force on a static scalar charge in traversable wormholes

Speaker

Jerome Mecca

16:30–16:45

Shaving off soft hairs and black hole image memory effect

Speaker

Shaoqi Hou

16:45-17:00

Extending Kerr-Bertotti-Robinson Spacetime Through Infinity: A Wormhole Connecting a Black Hole's Exterior and Interior**Speaker**

Yu-Sen Zhou

17:00-17:15

XOB Reveals Physics inside Black Holes**Speaker**

Dingfang Zeng

17:15-17:30

Causal Green function decomposition for quantum black hole seismology**Speaker**

Xi-Li Zhang

17:30

Tuesday 25 August

14:00

Parallel Session B Session

14:00–14:15 **Primordial black holes as cosmic accelerators of light dark matter**

Speaker

Sk Jeesun

14:15–14:30

SM-Charged Portals for Dark Photons Protected by Dark Charge Conjugation

Speaker

Qiyuan Gao

14:30–14:45

Particle productions during collisions of highly boosted bubble walls

Speaker

Hongyi Jiang

14:45–15:00

Mechanism of kinetic equilibrium between SIMP and radiation

Speaker

Ajay Kaladharan

15:00–15:15

Rethinking Neutron-Star Structure with Continuous Gravitational-Wave Constraints

Speaker

Ayush Hazarika

15:15–15:30

Quantum geometry of the Standard Model and Majorana neutrinos

Speaker

Filip Pozar

15:30

16:00

Parallel Session B Session

16:00–16:15

Measuring the Hubble constant with bright standard sriens formed in active galactic nuclei

Speaker

Alejandro Torres-Orjuela

16:15–16:30

Multimessenger Tests of the Strong Equivalence Principle and Hidden Extra Dimensions with Gravitational-Wave Observations

Speaker

Hanlin Song

16:30–16:45

Constraints on modified gravity theories of dark energy with the latest LVK data

Speaker

Anson Chen

16:45-17:00

Parameter Estimation of Subsolar-Mass Compact Objects with Mini Extreme Mass-Ratio Inspirals**Speaker**

Qimin Song

17:00-17:15

Third-Body Detection in LISA Massive Black Hole Triples via Acceleration**Speaker**

Mr zheng WU

17:15-17:30

Effects of dark dipole radiation on eccentric supermassive black hole binary inspirals**Speaker**

Muchun Chen

17:30-17:45

Testing Dipole Radiation with Eccentric Multiband Binary Black Holes**Speaker**

Han Wang

17:45

Thursday 27 August

14:00

Parallel Session B Session

14:00–14:15

Parameter estimation of generalized Ghosh black holes using shadow observables and Event Horizon Telescope Constraints

Speaker

Himanshi Gulia

14:15–14:30

Probing Hairy Black Holes through Eikonal Ringdown and Null-Geodesic Diagnostics

Speaker

Ariadna Uxue Palomino Ylla

14:30–14:45

3D Summation-by-Parts scheme on Hyperboloidal Slices

Speaker

Shalabh Gautam

14:45–15:00

Dyonic hairy black holes in $U(1)$ gauge-invariant scalar-vector-tensor theories: Third- and fourth-order sectors

Speaker

Masaki Kitagawa

15:00–15:15

Linear stability of dyonic black holes in $U(1)$ gauge-invariant scalar-vector-tensor theories

Speaker

Mr Shunta Nishimura

15:30