

Wednesday, November 25, 2026

DRAFT | JST | Invited 40 min / contributed 20 min

Black-hole populations and GW inference	
09:00-09:40	Maximiliano Isi [Invited] TBD
09:40-10:00	Tristan Bruel On the danger of using individual GW events to learn about formation channels and progenitors
10:00-10:30	Coffee break
10:30-10:50	Sasha Levina To peak or not to peak: How star formation history modeling shapes binary black hole masses
10:50-11:10	Tyler Smith Massquerade: Impacts of Mass Ratio Reversals on Binary Black Hole Merger Rates and Mass Distributions
11:10-11:30	Tousif Islam Agentic Surrogate Modeling of Gravitational-Wave Recoil and Its Impact on Hierarchical Black-Hole Growth in Dense Stellar Environments
11:30-13:30	Lunch
Dynamical formation and binary environments	
13:30-14:10	Dong Lai [Invited] Dynamical Formation of Merging Compact Binaries
14:10-14:30	Adam Distler Strong Scatterings in Dense Star Systems
14:30-15:00	Coffee break
15:00-15:20	Evgeni Grishin Binary and mean-motion resonance captures of binary Black Holes in AGN discs
15:20-15:40	Mor Rozner The Universal Eccentricity Distribution for Dynamical Gravitational-Wave Merger Channels
15:40-16:00	Giulia Fumagalli Eccentric compact binary evolution in gaseous environments
16:00-16:20	Conor Dyson The Relativistic Newton's Third Law for Asymmetric Binaries in Environments

Thursday, November 26, 2026

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Formation channels and stellar evolution	
09:00-09:40	Isobel Romero-Shaw [Invited] Title to be confirmed
09:40-10:00	Alejandro Vigna-Gomez Back to Basics: Identifying the Origins of Binary Black Hole Mergers Through Their Mass Spectrum
10:00-10:30	Coffee break
10:30-10:50	Taras Panamarev Formation and Evolution of Black Hole Binaries in Direct N-body Models of Globular Clusters
10:50-11:10	Miranda McCarthy IMBH formation and IMRI rates in the AGN Channel with McFACTS
11:10-11:30	Jakob Stegmann Do LIGO black hole mergers form from stellar triple evolution?
11:30-13:30	Lunch
Supermassive black holes and observational probes	
13:30-14:10	Wenbin Lu [Invited] Little Red Dots as the Progenitors of Supermassive Black Holes
14:10-14:30	Siyuan Chen Distinguishing different sources for a PTA GW signal
14:30-15:00	Coffee break
15:00-15:20	Blaze Houlden The properties of the first continuous gravitational waves: Optimizing pulsar timing observations for supermassive black hole binary detection
15:20-15:40	Niccolò Veronesi SMBH binaries, LSST, and the number of PTA sources in AGN
15:40-16:00	Kevin Park A supermassive black hole binary caught in the final years of its coalescence
16:00-16:20	Erika Sottocorno Can a time evolving, asymmetric broad line region mimic a massive black hole binary?

Friday, November 27, 2026

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Accretion simulations and disk emission	
09:00-09:40	Andrew MacFadyen [Invited] Simulations of Binary Black Hole Accretion
09:40-10:00	Mark Avara A Magnetic Unification of Merging Supermassive Black Hole Binaries
10:00-10:30	Coffee break
10:30-10:50	Michail Chabanov Toward Radiative Binary Black Hole Accretion Simulations: Magnetic Flux and Cooling Effects
10:50-11:10	Martin Pessah TBC
11:10-11:30	Milton Ruiz Multimessenger Signatures of Tilted, Self-Gravitating, Black Hole Disks
11:30-13:30	Lunch
Stellar binaries and multimessenger transients	
13:30-14:10	Ataru Tanikawa [Invited] TBA
14:10-14:30	Lucy McNeill Angular momentum mixing in collapsar progenitor stars
14:30-15:00	Coffee break
15:00-15:20	Andris Dorozsmai Hierarchical mergers as tracers of globular cluster formation history
15:20-15:40	Yossef Zenati Relativistic Mass Transfer in Eccentric Black Hole--Neutron Star Binaries: A Full-GRMHD Study
15:40-16:00	Donggeun Tak Understanding gamma-ray bursts with the 7-Dimensional Telescope

Monday, November 30, 2026

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Tidal disruptions, EMRIs, and nuclear transients	
09:00-09:40	Clément Bonnerot [Invited] From hydrodynamics to radiation in tidal disruption events (subject to change)
09:40-10:00	Itai Linial Extreme Mass Ratio Inspirals as Multi-Messenger Sources
Coffee break	
10:30-10:50	Jordan Moncrieff Signatures of multiple Extreme Mass Ratio Inspirals (EMRIs) in mean-motion resonances
10:50-11:10	Davide Panella Compact binary dynamics around SMBHs in strong gravity: resonant and secular tidal effects
11:10-11:30	Barak Rom Collisions in galactic nuclei
Lunch	
Dynamics of black holes in dense environments	
13:30-14:10	Re'em Sari [Invited] GW sources and other transients from Galactic Centers
14:10-14:30	Thomas Spieksma Self-acceleration of hardening binaries
Coffee break	
15:00-15:20	charlie sharpe The Depletion of Collisionless Dark Matter Spikes by Individual Merger
15:20-15:40	Barry Ginat Binary Black Hole Mergers as a Probe of Globular Clusters
15:40-16:00	Alexander Migala Upcoming Sensitivity to the Metallicity of Double Compact Object Binary Progenitors
16:00-16:20	Christohper Tiede How accreting super-massive black hole binaries may appear distinct from typical AGN

Tuesday, December 01, 2026

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Massive black-hole binary evolution	
09:00-09:40	Lucio Mayer [Invited] Pinning down the sub-pc evolution of LISA massive black hole binaries and their waveforms with Exascale 3D hydro simulations
09:40-10:00	Thibaut Francois From Galaxy Mergers to Gravitational Waves: Scaling Relations for Black Hole Binaries
Coffee break	
10:30-10:50	Kunyang Li Following massive black hole binaries and triplets to coalescence in live galaxy simulations with RAMCOAL
10:50-11:10	Saemi Bang Opacity-Shaped IR/Optical Signatures from Circumbinary Disks around LISA-Band Binary Black Holes
11:10-11:30	David O'Neill The Electromagnetic Emission and Orbital Evolution of Eccentric Supermassive Black Hole Binaries in Retrograde Disks
Lunch	
Accretion and compact objects in gaseous disks	
13:30-14:10	Alexander Dittmann [Invited] Accretion onto black hole binaries
14:10-14:30	Philip Kirkeberg Stellar Mass Black Holes in Magnetized AGN Disks: Insights from Local 3D MHD Simulations
Coffee break	
15:00-15:20	Henry Whitehead Accretion, Feedback and Self-Regulation for Black Holes Embedded in AGN Discs
15:20-15:40	Connar Rowan Modelling the AGN channel in 3D
15:40-16:00	Elliot Lynch Nonlinearly Eccentric Circumbinary Disks
16:00-16:20	Lazaros Souvatzis Binary evolution in warped circumbinary discs via 3D moving-mesh hydrodynamical simulations

Wednesday, December 02, 2026

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Massive black-hole growth and survey searches	
09:00-09:40	Kohei Inayoshi [Invited] Title to be confirmed
09:40-10:00	Lewis Cooper Hunting Dual Quasar Candidates with Wide-Field Imaging and Gaia Astrometry
10:00-10:30	Coffee break
10:30-10:50	Ekaterine Dadiani From Kiloparsec to Sub-Parsec: A DESI Search for SMBH Pairs as LISA Progenitors
10:50-11:10	Lorenzo Bertassi Searching for periodic modulations from Massive Black Hole Binaries across LSST bands through multi-output Gaussian processes
11:10-11:30	Beatrice Sala Searching for massive black hole binaries in LSST-like simulated AGN light curves
No afternoon session.	

Thursday, December 03, 2026

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Neutron-star mergers and kilonovae	
09:00-09:40	Matt Nicholl [Invited] Wide-field follow-up of BNS and sub-solar GW events with Pan-STARRS, ATLAS and now Rubin
09:40-10:00	Nanae Domoto Spectroscopic signatures of heavy elements in kilonovae
10:00-10:30	Coffee break
10:30-10:50	Giacomo Ricigliano Dust in nebular kilonovae
10:50-11:10	Surojit Saha Physics-Informed Neural Network for Kilonova Light Curves Modeling
11:10-11:30	Stephan Rosswog Neutron star mergers with Lagrangian Numerical Relativity simulations: gravitational wave and electromagnetic signatures
11:30-13:30	Lunch
Multimessenger astronomy and population inference	
13:30-14:10	Samaya Nissanke [Invited] Title to be confirmed
14:10-14:30	Aman Agarwal Inferring the role of binary neutron star mergers in r-process nucleosynthesis with multi-messenger observations using Cosmic Explorer and Einstein Telescope
14:30-15:00	Coffee break
15:00-15:20	Ariel Perera Enhancing Short Gamma-Ray Burst Detection with Fermi/GBM for Multimessenger Searches
15:20-15:40	Chiara Anselmo Population inference of eccentric binary black holes using orbital angular momentum
15:40-16:00	Federico De Santi Turning the likelihood around: a population-sampling approach to gravitational-wave hierarchical inference
16:00-16:20	Kazuya Kobayashi Investigating the Structure of the Binary Black Hole Spin Population with Gravitational-Wave Data

Friday, December 04, 2026

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Invited talk and future GW searches

09:00-09:40	Invited talk
09:40-10:00	Kai Hendriks Alternative methods for the LISA galactic-binary global fit
10:00-10:30	Coffee break
10:30-10:50	Brian McGloughlin Einstein@Home all-sky "bucket" search for continuous gravitational waves in LIGO O3 public data
10:50-11:10	Shio Sakon TBD
11:10-11:30	Uddeepta Deka Reduced-order surrogate modelling of microlensed gravitational waves
11:30-11:50	Paul Martens Gravitational-wave lensing in active galactic nuclei
11:50-12:10	Laura Uronen Associating binary black holes with galactic centres
12:10-12:30	Rohit Subbarayan Chandramouli Probing astrophysical environment of stellar mass black holes through the LISA stochastic signal

No afternoon session.