

INO Workshop V

Transient events and multi-messenger astrophysics

28-29 July 2022; 6-7 Mordad 1401

Thursday 28 July 2022-6 Mordad 1401

Time (IranTime)	Speaker	Title
8:00-8:30	Habib Khosroshahi Hamidreza Safavi	Opening
8:30-9:15	Nader Haghighipour	Eclipsing binaries and the detection of a new class of extrasolar planets
9:15-10:00	Vahe petrosian	Cosmological Distributions and Evolution of Gamma-ray Bursts and their relation to Star Formation Rate and Gravitational Waves
10:00-10:30	Break	
10:30-11:15	Thomas Wevers	Tidal disruption events as probes of black hole accretion
11:15-12:00	Soroush Shakeri	Polarization as a test for GRB fundamental Physics
12:00-14:00	Break	
14:00-14:45	Massimo Della Valle	Supernova Explosions in the Multi-Messenger Era
14:45-15:30	Wyn Evans	Microlensing and the Galaxy
15:30-16:00	Break	
16:00-16:30	Mina Zamani	Magnetized Neutron Matter and Magnetically Deformed Neutron Stars
16:30-17:15	Razieh Emami	The first images of the SgrA* by the event horizon telescope
17:15-17:45	Break	
17:45-18:30	Kailash Chandra Sahu	An Isolated Stellar-Mass Black Hole Detected Through Astrometric Microlensing

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Time (Iran Time)	Speaker	Title
8:30-9:15	Marc Moniez	New limits from microlensing on Galactic Black Holes in the mass range $10 M_{\odot} < M < 1000 M_{\odot}$
9:15-10:00	Ruoyu Liu	Studying the origin of high-energy Galactic cosmic rays via gamma-ray observations
10:00-10:30	Break	
10:30-11:15	Sohrab Rahvar	Gravitational microlensing as a tools to study compact astrophysical objects
11:15-12:00	Angelo Ricciardone	Early Universe Cosmology with LISA
12:00-12:30	Nastaran Farhang	Simulation and Investigation of Solar Flares Quasi-Periodic Pulsations
12:30-14:00	Break	
14:00-14:45	Narek Sahakyan	Multi-wavelength and Multi-Messenger studies of Blazars
14:45-15:15	Davood Rafiei	Multimessenger Astronomy as a Probe for Exotic Compact Objects
15:15-15:30	Sedighe Sajadian Soroush Shakeri Atefeh Javadi	Closing