



# XVIII International Conference on Topics in Astroparticle and Underground Physics (TAUP 2023)

## Wednesday, 30 August 2023

### Gravitational waves: parallel session 1 - Hörsaal 1 lecture hall (14:00 - 15:30)

-Conveners: Erik Katsavounidis

time	[id] title	presenter
14:00	[508] Status of the Virgo detector in view of O4	ROCCHI, Alessio
14:15	[477] Status of the underground gravitational wave detector KAGRA	Prof. USHIBA, Takafumi
14:30	[468] Optimal control theory for the angular control of the full payload for Adv+ Phase II	Dr PINTO, Manuel
14:45	[426] Study of Newtonian noise from the KAGRA cooling system	Dr BAJPAI, Rishabh
15:00	[575] Mitigation of the effect of changes of atmospheric pressure on gravity detectors	Dr FENYVESI, Edit
15:15	[398] Search for gravitational wave signals from known pulsars in LIGO-Virgo O3 data using the 5n-vector ensemble method	D'ONOFRIO, Luca

### Gravitational waves: parallel session 2 - Hörsaal 1 lecture hall (16:30 - 18:30)

-Conveners: Erik Katsavounidis

time	[id] title	presenter
16:30	[530] Estimating the redshift dependence of the BBH population using joint CBC and GWB analysis	Mr LALLEMAN, Max
16:45	[199] Joint parameter estimation on overlapping gravitational wave signals from coalescing compact binaries with Einstein Telescope and Cosmic Explorer	BAKA, Tomasz
17:00	[427] Some improvements of Hilbert-Huang transform for time-frequency analysis of gravitational waves	OOHARA, Ken-ichi
17:15	[550] Multi-messenger astrophysics in the gravitational-wave era	MO, Geoffrey
17:30	[405] Multimessenger searches with AMON	AYALA SOLARES, Hugo Alberto
17:45	[506] Exploiting the standing accretion shock instability for multi-messenger analysis of core-collapse supernovae	DRAGO, Marco

# Thursday, 31 August 2023

## Gravitational waves: parallel session 3 - Hörsaal 1 lecture hall (14:00 - 15:30)

-Conveners: Viviana Fafone

time	[id] title	presenter
14:00	[136] Einstein Telescope site characterization in Sardinia	Dr NATICCHIONI, Luca
14:15	[304] Next-generation lunar laser reflectors and applications for lunar GW detectors	MUCCINO, Marco
14:30	[79] Dark Matter and Gravitational Waves in the 2HDM+a	Dr ARCADI, Giorgio
14:45	[141] Gravitational Wave Probes on Self-Interacting Dark Matter Surrounding an Intermediate Mass Black Hole	Dr YANG, Xing-Yu
15:00	[250] Gravitational Imprints of Left-Right Symmetry Breaking	GRAF, Lukas