

EPS-HEP2021 conference

Monday 26 July 2021

T01: Astroparticle and Gravitational Waves: Part 1 (10:00-12:00)

-Conveners: Oliver Gerberding

time	[id] title	presenter
10:00	[489] Cold aberrations and locking of Central Interferometer of Advanced Virgo+	GIRI, Priyanka
10:20	[783] The performance of the Virgo gravitational-wave detector during the O3 run (04/2019-03/2020) and the impact of the external environment	Dr ARNAUD, Nicolas
10:40	[1016] Instrument science challenges of the Einstein Telescope	FREISE, Andreas
11:00	[396] Lunar Gravitational-Wave Antenna	HARMS, Jan
11:20	[578] Upper limits on the amplitude of ultra-high-frequency gravitational waves from graviton to photon conversion	EJLLI, Aldo
11:40	[1074] Searching for dark photon dark matter in the third observing run of LIGO/Virgo	MILLER, Andrew

T01: Astroparticle and Gravitational Waves: Part 2 (GW Theory) (14:15-16:15)

-Conveners: Diego Blas

time	[id] title	presenter
14:15	[426] A hybrid simulation of gravitational wave production in first-order phase transitions	RUBIRA, Henrique
14:35	[752] Modeling black hole binaries in scalar-tensor theories of gravity	RIPLEY, Justin
14:55	[942] Binary systems as dynamical detectors of gravitational waves	JENKINS, Alex
15:15	[1037] Measuring the dark matter environments of black hole binaries with gravitational waves	COOGAN, Adam
15:35	[1089] Gravitational Waves as a Big Bang Thermometer	TAMARIT, Carlos
15:55	[413] Probing the standard cosmological model with the population of binary black-holes	EZQUIAGA, Jose María

T01: Astroparticle and Gravitational Waves: Part 3 (16:30-18:30)

time	[id] title	presenter
16:30	[950] Southern Wide-field Gamma-ray Observatory: status and prospects	CONCEIÇÃO, Ruben
16:50	[1075] Ultra-high-energy cosmic rays from star-forming galaxies constrain the extragalactic magnetic field	Dr VAN VLIET, Arjen
17:05	[411] Jet-induced high-energy neutrino and electromagnetic counterparts of supermassive black hole mergers	Mr YUAN, Chengchao
17:20	[955] Very high energy observations of GRBs	BERTI, Alessio
17:40	Break & Open Discussion	
18:00	[638] Unveiling the origin of steep decay in γ -ray bursts	RONCHINI, Samuele

18:15	[680] CALET on the International Space Station: a precise measurement of the iron spectrum	Dr CHECCHIA, Caterina
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Tuesday 27 July 2021

T01: Astroparticle and Gravitational Waves: Part 4 (09:30-11:30)

time	[id] title	presenter
09:30	[1164] Galactic cosmic-ray propagation	KISSMANN, Ralf
09:50	[896] Propagation of extragalactic cosmic rays in the Galactic magnetic field	KÄÄPÄ, Alex
10:05	[658] Mass composition modelling at sources of ultra-high energy cosmic rays	BAZO, Jose
10:20	[745] Implications of turbulence dependent diffusion on cosmic ray spectra	DÖRNER, Julien
10:35	Coffee Break	
10:45	[1025] The KM3NeT neutrino telescopes: status and perspectives	BIAGI, Simone
11:00	[922] Searching for High-Energy Neutrinos from Ultra-Luminous Infrared Galaxies with IceCube	CORREA, Pablo
11:15	[697] The ANTARES neutrino telescope (on behalf of the ANTARES Collaboration)	MARGIOTTA, Annarita

Wednesday 28 July 2021

T01: Astroparticle and Gravitational Waves: Part 5 (GW Theory) (09:30-11:30)

-Conveners: Diego Blas

time	[id] title	presenter
09:30	[786] Hyperbolic-like Encounters of Binary Black Holes	RÜTER, Hannes
09:50	[491] Constraining Lorentz-violating gravity with gravitational wave observations	HERRERO VALEA, Mario
10:10	[503] Quantum black holes and ringdown physics with LIGO-Virgo detections	LAGHI, Danny
10:30	[28] GW190521 as a boson-star merger	CALDERON BUSTILLO, Juan
10:50	[26] Cosmology in the dark: How compact binaries formation impact the gravitational-waves cosmological measurements	MASTROGIOVANNI, Simone
11:10	[899] Gravitational-wave signatures of non-integrable extreme-mass-ratio inspirals	DESTOUNIS, Kyriakos

T01: Astroparticle and Gravitational Waves: Part 6 (16:45-17:45)

-Conveners: Walter Del Pozzo

time	[id] title	presenter
16:45	[991] Gravitational waves searches in O3 Advanced LIGO and Advanced Virgo data	LAZZARO, Claudia
17:05	[1140] Multimessenger Analysis Strategy for Core-Collapse Supernova Search: Gravitational Waves and Low-energy Neutrinos	HALIM, Odysse
17:25	[779] Mind the gap: What can we learn about stellar astrophysics from gravitational wave detections of binary black holes?	FARMER, Rob

Thursday 29 July 2021

T01: Astroparticle and Gravitational Waves: Part 7 (09:30-11:30)

time	[id] title	presenter
09:30	[401] Neutrino Telescope in Lake Baikal: Present and Nearest Future	FAJT, Lukáš
09:50	[1186] PLEnuM: A global and distributed monitoring system of high-energy astrophysical neutrinos	SCHUMACHER, Lisa
10:10	[803] Neutrino emission from temporarily-absorbed gamma-ray blazars	KUN, Emma
10:30	Coffee Break	
10:45	[891] Results from the LHCf Run II in proton-proton collisions at $\sqrt{s} = 13$ TeV	TIBERIO, Alessio
11:00	[34] High Energy Physics Astroparticle Experiments to Improve the Radiation Health Risk Assessment in Space Missions	BARTOLONI, Alessandro
11:15	[920] Latest results from DAMPE	Prof. TYKHONOV, Andrii

Friday 30 July 2021

T01: Astroparticle and Gravitational Waves: Part 8 (09:30-11:30)

-Conveners: Walter Del Pozzo

time	[id] title	presenter
09:30	[408] Constraining alternative theories of gravity using the latest LIGO-Virgo ringdown observations	CARULLO, Gregorio
09:50	[773] Gravitational wave echo from relaxation trapping	Dr MADGE, Eric
10:10	[852] Methods and results on the search for gravitational wave echoes in the post-merger phase after binary black hole coalescences.	MIANI, Andrea
10:30	[607] Search for multi-messenger events during LIGO/Virgo era	TOSTA E MELO, Iara
10:50	[787] Search for lensing signatures in the gravitational-wave observations from the first half of LIGO-Virgo's third observing run	Dr KEITEL, David
11:10	[502] Implications for first-order cosmological phase transitions and the formation of primordial black holes from the third LIGO-Virgo observing run	ROMERO-RODRÍGUEZ, Alba