



# Sixteenth Marcel Grossmann Meeting

## Monday, 5 July 2021

### Interacting Dark Matter: Block 1 (16:30 - 19:30)

-Conveners: Nikolaos Mavromatos

time	[id] title	presenter
16:30	[94] Primordial Black Holes	GARCIA-BELLIDO, Juan
16:53	[118] Fuzzy Dark Matter	MARSH, David
17:16	[651] DM halos from the maximum entropy principle and its link to particle physics	ARGÜELLES, Carlos Raúl
17:39	[451] Interacting dark sector: mapping fields and fluids, and observational signatures	JOHNSON, JOSEPH P
17:59	Break	
18:04	[158] LHC experiments for long-lived particles of the dark sector	MITSOU, Vasiliki
18:27	[98] The MoEDAL-MAPP Experiment - Extending the Physics Reach of the LHC	Prof. PINFOLD, James
18:50	[297] Constraining the dark matter self-interaction cross section in low-mass halos with quadruple image strong gravitational lenses	GILMAN, Daniel
19:10	[434] Growth of Linear Perturbations in a Universe with Superfluid Dark Matter	BANERJEE, Shreya

# Tuesday, 6 July 2021

## Interacting Dark Matter: Block 2 (09:30 - 12:30)

-Conveners: Nikolaos Mavromatos

time	[id] title	presenter
09:30	[314] Running vacuum interacting with dark matter or with running gravitational coupling. Phenomenological implications	SOLÀ PERACAUOLA, Joan
09:53	[70] Dark energy and dark matter unification from dynamical space time: observational constraints and cosmological implications	BENISTY, David
10:13	[928] Interaction Energy between a Charged Medium and its Electromagnetic Field as a Dark Matter Candidate	Dr ARMINJON, Mayeul
10:33	[262] Constraining the interactions in the dark sector with cosmological data	GÓMEZ-VALENT, Adrià
10:56	Break	
11:01	[32] Hunting for light dark matter with gas-based detectors	MCCABE, Christopher
11:24	[336] Fornax globular cluster timing problem as a test of dark matter properties	BLAS, Diego
11:47	[498] Gravitational anomalies, dark matter and leptogenesis	SARKAR, Sarben
12:10	Discussion on the talks of the two blocks of DM1	