



# Sixteenth Marcel Grossmann Meeting

## Wednesday, 7 July 2021

### Dark Matter Searches with Liquid Xenon and Argon Detectors and Self Gravitating Systems and Dark Matter: Block 1

(09:30 - 12:30)

-Conveners: She-Sheng Xue; Soroush Shakeri

time	[id] title	presenter
09:30	[355] Present and Future of Dark Matter direct detection with XENONnT	BIONDI, Riccardo
09:55	[175] Direct Detection Signals from Absorption of Fermionic Dark Matter	ELOR, Gilly
10:20	[245] Pico-charged particles from dark matter decay explain 511 keV line and XENON1T signal	FARZAN, Yasaman
10:45	[102] Manifestations of new particles in underground laboratories and atomic experiments	FLAMBAUM, Victor
11:10	[1060] Hunt for the Sterile Neutrino Dark Matter	SHAKERI, Soroush XUE, She-Sheng
11:30	Break	
11:35	[620] The approach to equilibrium for idealized collisionless self-gravitating systems	WILLIAMS, Liliya
11:50	[1017] Preliminary results of rich galaxy clusters' spatial distribution analysis on CfA2 Redshift survey data: compact objects or dark matter presence at redshift less 0.022.	ARKHANGELSKAJA, Irene
12:05	[194] Bose-Einstein condensate dark matter halos	CHAVANIS, Pierre-Henri