



# Sixteenth Marcel Grossmann Meeting

## Monday, 5 July 2021

### Scalar Fields in Cosmology: Block 1 (16:30 - 19:30)

-Conveners: Carlos Herdeiro; Alfredo Macias

time	[id] title	presenter
16:30	[243] Light in the dark: GW190521 as Proca star merger	Dr SANCHIS-GUAL, Nicolas
17:30	[172] Testing the hypothesis of a bosonic star at Sgr A*	ROSA, João
18:00	[317] Primordial Black Holes in a scalar field dominated universe.	HIDALGO, Carlos
18:30	[132] The imitation game: Proca stars that can mimic the Schwarzschild shadow	POMBO, Alexandre
19:00	[817] A stabilization mechanism for excited fermion-boson stars	DI GIOVANNI, Fabrizio

# Thursday, 8 July 2021

## Scalar Fields in Cosmology: Block 2 (16:30 - 19:30)

-Conveners: Alfredo Macias; Carlos Herdeiro

time	[id] title	presenter
16:30	[57] Nonlinear perturbative theory of structure formation for modified gravity	Dr CERVANTES-COTA, Jorge L.
17:30	[224] Timelike Circular Orbits and Efficiency of Compact Objects	DELGADO, Jorge
18:00	[144] Testing Modified Gravity theories with marked statistics	AVILES, Alejandro
18:30	[560] Scalar field in Schwarzschild-de Sitter spacetimes: circular orbits and synchrotron radiation	PAULO BESSA BRITO, João
19:00	[154] Dark Matter as a condensed phase of generic bosons	Dr CASTELLANOS ALCÁNTARA, Elías