

Institute of Space Sciences: 25 Years of Discovery and Innovation

Wednesday 5 February 2025

Day 3: ICE-CSIC Departments Science Talks IV: Nuclear, Gravitational Wave and Multi-messenger Astrophysics - Residencia de Investigadores de Barcelona (09:30 - 11:00)

time	[id] title	presenter
09:30	[34] Nuclear and Astroparticle Physics: Unveiling Extreme Densities in Compact Stars Cristina Manuel & Laura Tolos	
09:50	[35] From LISA Pathfinder to LISA: building precision measurement know-how at ICE Miquel Nofrarias	
10:04	[36] The challenge to model gravitational wave signals Sascha Husa	
10:16	[37] LISA: from measurements to science Ivan Martín Vílchez	
10:26	[38] The transient high energy sky and related instrumentations Francesco Coti Zelati	
10:36	[39] 3D eMHD simulations of magnetic field decay in neutron stars Davide De Grandis	
10:44	[40] Pulsar Population Synthesis simulations with Machine Learning Celsa Pardo	
10:52	[41] Pulsar Navigation Systems: the Deep Space Pulse Project Emilie Parent	

Day 3: ICE-CSIC Departments Science Talks V: Extragalactic Astrophysics and Cosmology - Residencia de Investigadores de Barcelona (11:30 - 13:00)

time	[id] title	presenter
11:30	[14] Large-scale galaxy surveys Francisco Castander	
11:48	[15] Modified gravity Sergei Odintsov	
12:06	[16] Supernovae and stellar transients Claudia Gutiérrez	
12:24	[17] Growing black holes at ICE: from the first seeds to active galactic nuclei Mar Mezcua	
12:42	[18] The low surface brightness Universe Mireia Montes	

Day 3: Final Remarks and closure - Residencia de Investigadores de Barcelona (13:00 - 13:30)

time	[id] title	presenter
13:00	[33] Closure Aldo Serenelli	