



# Seventeenth Marcel Grossmann Meeting

## Thursday, 11 July 2024

### Latest results from Galactic center observations: Thursday block 1 - M5 (15:00 - 16:30)

-Conveners: Florian Peißker; Maria Melamed; Anna Ciurlo

time	[id] title	presenter
15:00	[628] The Parsec to Sub-Parsec Scale Environment	CIURLO, Anna
15:25	[8] General formulae for the periapsis shift of a quasi-circular orbit in static spherically symmetric spacetimes and the strong energy condition	HARADA, Tomohiro
15:45	[422] S-stars & G-stars orbiting a fermionic dark matter core	ARGÜELLES, Carlos Raúl
16:05	[196] The NIR to X-ray variability of Sgr A*: temporal asymetry and the importance of relativistic effects	VON FELLEBERG, Sebastiano

### Latest results from Galactic center observations: Thursday block 2 - M5 (17:00 - 18:30)

-Conveners: Anna Ciurlo; Maria Melamed; Florian Peißker

time	[id] title	presenter
17:00	[430] An X-ray View of the Galactic Center: present and past Sgr A* high-energy activity	GOLDWURM, Andrea
17:25	[410] X-ray echoes and the structure of molecular clouds in the Galactic Center	STEL, Giovanni
17:45	[348] Multi-wavelength view of the Galactic Center outflows	ZHANG, Heshou
18:05	[373] Spectroscopic Observations of the Milky Way Nuclear Star Cluster	FELDMEIER-KRAUSE, Anja

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-Conveners: Anna Ciurlo; Florian Peißker; Maria Melamed

time	[id] title	presenter
15:00	[494] Update on Dusty Sources and Candidate Young Stellar Objects in the S-cluster	MELAMED, Maria
15:25	[474] Galactic center G objects as dust-enshrouded stars near the supermassive black hole	ZAJAČEK, Michal
15:50	[65] New insights into the population of young, massive stars near Sagittarius A*	GALLEGO CANO, Eulalia
16:10	[283] Dynamical Coupling of Keplerian Orbits in Post Newtonian Gravity: From Galactic Center to Compact Planetary Systems.	SINGHAL, Myank

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time	[id] title	presenter
17:00	[472] The formation and stability of a cold disc made out of stellar winds in the Galactic Centre	CALDERÓN, Diego
17:25	[406] Galactic Heartbeat: are the Milky Way's Nuclear Star Cluster and Disc part of the same structure?	Dr NOGUERAS LARA, Francisco
17:50	[473] Star Formation in the Inner Parsecs of the Galactic Center	SABHA, Nadeen
18:15	[623] HP2 sessions summary	ZAJAČEK, Michal