



# Quantum Technologies for Fundamental Physics

## Monday, September 4, 2023

### Cavities and Quantum Technologies for Gravitational Waves: Session 1 (9:00 AM - 10:30 AM)

-Conveners: Roni Harnik

time	[id] title	presenter
9:00 AM	[43] Introduction	HARNIK, Roni
9:10 AM	[45] Resonant Cavities for Gravitational Waves	ELLIS, Sebastian
9:45 AM	[46] MAGO 2.0: Detecting Gravitational Waves with Superconducting Cavities	BERLIN, Asher
10:20 AM	[79] Discussion	

### Cavities and Quantum Technologies for Gravitational Waves: Session 2 (11:30 AM - 1:00 PM)

-Conveners: Sam Posen

time	[id] title	presenter
11:30 AM	[47] Status of the MAGO cavity and the plan of high-f GW detection in Hamburg	PETERS, Krizstian WENSKAT, Marc
11:55 AM	[48] MAGO activities at Fermilab and Frequency stability of SRF cavities (microphonics).	GIACCONE, Bianca PISCHALNIKOV, Yuriy
12:20 PM	[49] Discussion	