

**Session Program**

**12-15 Oct 2021**

**Ultra-High-Frequency GWs: A Theory and  
Technology Roadmap**

***Experimental Concepts***

CERN, Zoom only

# Tuesday 12 October

14:15

## Experimental Concepts: Below the MHz

**Session** | **Location:** CERN, Zoom only | **Convener:** Francesco Muia

14:15-14:45

### Detecting high-frequency gravitational waves with optically levitated nanoparticles

**Speaker**

George Winstone

14:45-15:15

### Quantum Frequency Interferometry: with applications ranging from gravitational wave detection to dark matter searches

**Speaker**

Ivette Fuentes

15:15

# Wednesday 13 October

15:15

## Experimental Concepts: Above the GHz

**Session** | **Location:** CERN, Zoom only | **Convener:** Giancarlo Cella

15:15–15:45 **Magnetic Conversion Detectors**

**Speaker**

Dr Aldo Ejlli

15:45–16:15 **ALPS II and UHF-GWs**

**Speaker**

Axel Lindner

16:15–16:45 **Enhanced magnetic conversion**

**Speaker**

R. Clive Woods

16:45

# Thursday 14 October

12:00

## Experimental Concepts: Further ideas

**Session** | **Location:** CERN, Zoom only | **Convener:** Ivette Fuentes

12:00–12:30 **UHF-GW solid state detector proposal**

**Speaker**

Prof. Juan Garcia-Bellido Capdevila

12:30–13:00 **GWs and mesoscopic quantum systems**

**Speaker**

Prof. Francesco Sorge

13:00–13:30 **Cosmological detectors of UHF GWs**

**Speaker**

Camilo Garcia Cely

13:30

## Friday 15 October

12:30

### Experimental Concepts: Microwave cavities

**Session** | **Location:** CERN, Zoom only | **Convener:** Francesco Sorge

12:30–13:00 **Microwave cavities**

**Speaker**

Dr Diego Blas

13:00–13:30 **Microwave Cavities**

**Speaker**

Dr Raffaele Tito d'Agnolo

13:30