



# 10th International Workshop on the Mechanisms of Vacuum Arcs (Hybrid MeVArc 2022)

## Monday 19 September 2022

### Experiments & Diagnostics: Dislocation dynamics & Cryogenics (09:30 - 11:00)

-Conveners: Walter Wuensch

time	[id] title	presenter
09:30	[38] Observations of dislocations in Soft Cu samples exposed to high fields	ASHKENAZY, Yinon
10:00	[43] Dislocation structures of Cu electrodes exposed to high fields	POPOV, Inna
10:30	[17] Performance of electrical vacuum breakdown under cryogenic temperatures	PROFATILOVA, Iaroslava

### Experiments & Diagnostics: Accelerators (16:00 - 18:00)

-Conveners: Sergio Calatroni

time	[id] title	presenter
16:00	[5] Update on High-Field Research Activities at CERN	Mr MILLAR, Lee
16:30	[45] Application of Machine Learning to Breakdown Prediction in CERN's High-Gradient Test Stands	OBERMAIR, Christoph
17:00	[42] Status of High-Power Testing of X-band Parallel Feed Nb Accelerating Structures	SCHNEIDER, Mitchell

## Tuesday 20 September 2022

### Experiments & Diagnostics: DC Systems (11:00 - 13:00)

-Conveners: Antonio De Lorenzi

time	[id] title	presenter
11:00	[9] Recent results from the CERN pulsed DC systems	PEACOCK, Ruth
11:30	[28] Microscopy investigation on different materials after pulsed high field conditioning and low energy H- irradiation.	SERAFIM, Catarina
12:00	[19] High Voltage Conditioning in high vacuum on concave electrodes. Developments and possible applications associated to accumulation points on electrode surfaces	PILAN, Nicola
12:30	[22] X-RAY MEASUREMENTS REVEAL THE FINE DYNAMICS OF CURRENT MICRO-DISCHARGES IN A VACUUM HIGH VOLTAGE EXPERIMENT	SPAGNOLO, Silvia