



# 20th Advanced Accelerator Concepts Workshop

## Tuesday 08 November 2022

### WG6: Laser-Plasma Acceleration of Ions: Session 4 - Fire Island (15:30-17:00)

-Conveners: Igor Pogorelsky; Lieselotte Obst-Huebl; Mamiko Nishiuchi

time	[id] title	presenter
15:30	[89] Generation of focused high-energy ion beams via hole-boring radiation pressure acceleration of curved-surface low-density targets	KIM, Jihoon
15:50	[190] Ultra-short pulse laser acceleration of protons from cryogenic hydrogen jets tailored to near-critical density	REHWALD, Martin
16:10	[83] Effects of Laser Polarization on Target Focusing and Acceleration in a Laser-Ion Lens and Accelerator	RAJAWAT, Roopendra Singh

# Wednesday 09 November 2022

## WG6: Laser-Plasma Acceleration of Ions: Session 5 - Fisher (13:30-15:00)

-Conveners: Mamiko Nishiuchi; Igor Pogorelsky; Lieselotte Obst-Huebl

time	[id] title	presenter
13:30	[117] Ion acceleration and neutron generation with few-cycle, relativistic intensity laser pulses	OSVAY, Karoly
13:50	[228] New capabilities of the iP2 beamline for laser-solid interaction studies at the BELLA PW facility	HAKIMI, Sahel
14:10	[171] Proton acceleration with a CO2 laser at the Accelerator Test Facility	POGORELSKY, Igor

# Thursday 10 November 2022

## **WG6: Laser-Plasma Acceleration of Ions: Session 7 - Fisher (10:30-12:00)**

**-Conveners: Lieselotte Obst-Huebl; Igor Pogorelsky; Mamiko Nishiuchi**

time	[id] title	presenter
10:30	[223] Exploring potential of 3D printed structures in PW laser driven ion acceleration experiments	TOCHITSKY, Sergei
10:50	[186] Theoretical and numerical investigation of ion acceleration in the interaction of high intensity attosecond pulses with solid proton-Boron targets	D'HUMIERES, Emmanuel
11:10	[199] OPPORTUNITIES FOR ADVANCED ACCELERATOR RESEARCH WITH FEMTOSECOND LONG-WAVELENGTH LASERS	POGORELSKY, Igor