



# 6th European Advanced Accelerator Concepts workshop

## Tuesday, 19 September 2023

### WG6: Ion acceleration and developments towards fusion - Aula Bonaparte 2 (16:20 - 19:00)

-Conveners: Marco Borghesi; Matt Zepf

time	[id] title	presenter
16:20	[400] Introduction to WG6	BORGHESI, Marco ZEPF, Matt
16:25	[243] Acceleration of stable, low-divergence proton beams from novel liquid sheet targets	PALMER, Charlotte
16:45	[175] Demonstrating MeVs protons acceleration in near critical imploding gas target	MALKA, Victor
17:05	[261] Deuteron acceleration and fast neutron generation with a 10Hz few-cycle laser	OSVAY, Karoly
17:25	[184] Transverse instabilities induced periodic modulation in laser driven proton beams	Prof. BIN, Jianhui
17:45	[322] Highly efficient proton acceleration from solid and pre-expanded thin foils	SALAHELDIN, Israa
18:05	[353] Efficient Laser ion acceleration from foils and isolated targets	HILZ, Peter

# Wednesday, 20 September 2023

## WG6: Ion acceleration and developments towards fusion - Aula Biodola (16:20 - 19:00)

-Conveners: Matt Zepf; Marco Borghesi

time	[id] title	presenter
16:20	[402] Introduction to WG6	BORGHESI, Marco ZEPF, Matt
16:25	[333] ALBUS – Advanced Laser-driven Beamlines for User-specific Studies	BRACK, Florian-Emanuel
16:45	[174] New methods to produce polarized 3He ion beams	BÜSCHER, Markus
17:05	[421] Characterization of Liquid Micro-Droplets for Laser-Driven Proton Acceleration	NOLTE, Mathis
17:25	[230] Monoenergetic ion acceleration in laser-plasma peeler regime	PUKHOV, Alexander
17:45	[235] A mid-beta booster for proton beams	TERZANI, Davide
18:05	[319] Boosting Laser-Driven Proton Beams to Relativistic Energies with Hollow-Channel Magnetic Vortex Acceleration and Readily Available Petawatt Laser Pulse Energy	Dr GARTEN, Marco
18:25	[429] discussion	