



# 20th Advanced Accelerator Concepts Workshop

## Monday 07 November 2022

### WG1: Laser-Plasma Wakefield Acceleration: Session 1 - Salon D (13:30-15:00)

-Conveners: Irina Petrushina; Marlene Turner; Yong Ma

time	[id] title	presenter
13:30	[278] Nearly collinear optical injection of electrons into wakefield accelerators	CHEN, Qiang
13:50	[87] Generating pre-bunched electron beams using modulated density downramp injection	ZHANG, Chaojie
14:10	[168] External injection of electrons into a laser-driven plasma wakefield at the CLARA facility	CORNER, Laura
14:30	[246] First results of the two-color LWFA experiments at ATF	VAFAEI-NAJAFABADI, Navid

# Tuesday 08 November 2022

## **WG1: Laser-Plasma Wakefield Acceleration: Session 3 - Salon D (13:30-15:00)**

**-Conveners: Marlene Turner; Irina Petrushina; Yong Ma**

time	[id] title	presenter
13:30	[200] Optical mode filtering and electron injection in multi-GeV laser wakefield acceleration	SHROCK, Jaron
13:50	[116] Observation of resonant wakefield excitation by pulse trains guided in long plasma channels	ROSS, Aimee
14:10	[138] GeV-scale accelerators driven by plasma-modulated pulses from kilohertz lasers.	WALCZAK, Roman
14:30	[161] Arbitrarily Structured Laser Pulses	PIERCE, Jacob

## **WG1: Laser-Plasma Wakefield Acceleration: Session 4 - Salon D (15:30-17:00)**

**-Conveners: Yong Ma; Irina Petrushina; Marlene Turner**

time	[id] title	presenter
15:30	[92] kHz Laser-Driven Electron Beams up to 50 MeV at ELI-Beamlines.	LAZZARINI, Carlo Maria
15:50	[229] CO2-laser-driven wakefield acceleration	Dr ZGADZAJ, Rafal
16:10	[270] Self-injection process in laser wakefield accelerator driven by CO <sub>2</sub> laser pulses	JAIN, Arohi
16:30	[79] High-efficiency compact laser-plasma electron accelerator	FUCHS, Matthias

# Thursday 10 November 2022

## **WG1: Laser-Plasma Wakefield Acceleration: Session 6 - Salon D (08:30-10:00)**

**-Conveners: Irina Petrushina; Marlene Turner; Yong Ma**

time	[id] title	presenter
08:30	[175] Experimental demonstration of Hydrodynamic Optical-Field-Ionized plasma channels at kHz repetition rate	COWLEY, James
08:50	[123] Laser Wakefield Acceleration to Electron Energies in the GeV Regime	VON GRAFENSTEIN, Katinka
09:10	[159] GeV electron bunches in low-density plasma channels by all-optical density transition injection	PICKSLEY, Alex
09:30	[231] Spatiotemporal optical vortices (STOVs) and relativistic optical guiding	LE, Manh

## **WG1: Laser-Plasma Wakefield Acceleration: Session 8 - Salon D (13:30-15:00)**

**-Conveners: Yong Ma; Irina Petrushina; Marlene Turner**

time	[id] title	presenter
13:30	[152] Single-Shot Reconstruction of Electron Beam Phase-Space in a Laser Wakefield Accelerator	MA, Yong
13:50	[22] Data-driven modelling of laser-plasma experiments enabled by large datasets	Mr ANTOINE, André
14:10	[69] Polarization and CEP Dependence of the Transverse Phase-Space in Laser-Driven Accelerators	SEIDEL, Andreas
14:30	[23] Stable injection into a laser plasma accelerator with colliding laser pulses	CHEN, Qiang