

AAC24 Advanced Accelerator Concepts Workshop

Monday, 22 July 2024

WG2 - room 266 (13:30 - 16:10)

time	[id] title	presenter
13:30	[181] High-repetition rate laser proton acceleration and plasma benchmark experiments using cryogenic hydrogen jets	REHWALD, Martin
13:50	[136] Characterizing Laser Transmission in the Relativistically Induced Transparency Regime for PW Laser-Driven Proton Acceleration	UMLANDT, Marvin E. P.
14:10	[55] Laser Channeling and Electron Filamentation in Near-Critical Density Plasma	POGORELSKY, Igor
14:30	[175] Dephasing of ion beams as the Magnetic Vortex Acceleration regime transitions into a bubble-like field structure	BULANOV, Stepan
14:50	[216] Enhanced Target Normal Sheath Acceleration of heavy ions using nanostructured targets	RAJAWAT, Roopendra Singh

Tuesday, 23 July 2024

WG2 - room 266 (16:00 - 18:00)

time	[id] title	presenter
16:00	[99] High-energy proton beams generated from PW laser-irradiated 3D printed microstructures	TOCHITSKY, Sergei
16:20	[107] Characterization of ion beams from solid targets driven by a 0.5 kJ short-pulse laser	HUANG, Chengkun
16:40	[137] Enhancing of deuteron acceleration with spectral phase modulation of few-cycle laser pulses	OSVAY, Karoly
17:00	[28] Theoretical model of post acceleration and focalization of protons produced with TNSA	LACOSTE, Clément
17:20	[153] Delivering Laser-Driven Proton Beams to Biological Samples at BELLA iP2	DE CHANT, Jared
17:40	[286] Flash poster introductions	

Thursday, 25 July 2024

WG2 - room 266 (13:30 - 16:00)

time	[id] title	presenter
13:30	[162] Quality-preserving laser-plasma ion beam booster via hollow-channel magnetic vortex acceleration	GARTEN, Marco
13:50	[27] Acceleration of spin-polarized ions from laser-plasma interaction	Dr REICHWEIN, Lars
14:10	[199] Ionization Front Acceleration revisited: collective GeV-scale acceleration of high-charge ion bunches by high-current electron beams	CHEN, Jiyuan
14:30	[128] Laser-to-proton conversion efficiency studies for proton fast ignition	KEMP, Andreas
14:50	[287] Working group discussion	