

AAC24 Advanced Accelerator Concepts Workshop

Monday, 22 July 2024

WG6 - room 261 (16:00 - 18:00)

time	[id] title	presenter
16:00	[51] A high-power and tunable narrowband THz radiator design	Dr ZHANG, Tinglian
16:20	[74] Dephasingless two-color terahertz generation	Dr PALASTRO, John
16:40	[130] Creation of a THz Smith-Purcell Radiation Source using a LWFA Electron Bunch	RUDZINSKY, Ross
17:00	[147] High-power terahertz emission from laser wakefield acceleration	KIM, KI YONG
17:20	[65] Cyclotron resonance accelerators for industrial applications	Dr JIANG, Yong
17:40	[121] Commissioning of a photocathode and interaction laser system at RadiaBeam compact Inverse Compton Light Source	AMOUDRY, Loic

Tuesday, 23 July 2024

WG6 - room 261 (13:30 - 15:30)

time	[id] title	presenter
13:30	[30] The PAX Experiment at FACET-II	HESSAMI, Rafi
13:50	[69] Challenges of Laser-driven Wakefield Accelerator Beams as Drivers for Free-Electron Lasers	LUMPKIN, Alex
14:10	[92] Reaching extreme intensity XUV light with beam driven wakefield acceleration of photons	THOMAS, Alec
14:30	[95] X-ray Free-Electron Lasing in a Flying-Focus Undulator	RAMSEY, Dillon
14:50	[165] Photon acceleration of high-intensity vector vortex beams into the extreme ultraviolet	Dr MILLER, Kyle
15:10	[207] High-flux betatron x-rays for fast tomography of pore dynamics in advanced materials	Mr SENTHILKUMARAN, Vigneshvar

WG6 - room 261 (16:00 - 18:00)

time	[id] title	presenter
16:00	[208] Increasing repetition rate of PW laser drivers for modern secondary sources	COURJAUD, Antoine
16:20	[119] Project overview of ICMuS2: Developing plasma accelerator based active sources of GeV muons	WILLIAMS, Jackson
16:40	[154] Unraveling the Direct Laser Acceleration of electron beams	WILLINGALE, Louise
17:00	[161] The Effect of Plasma Density Gradient on the Direct Laser Acceleration of Electrons	TANG, Hongmei
17:20	[187] Extreme plasma-based compression for mega-amp, attosecond electron bunches at FACET-II	SWANSON, Kelly
17:40	[189] Update on the progress of the E-320 SFQED experiment	KNETSCH, ALEXANDER

Thursday, 25 July 2024

WG6 - room 261 (16:00 - 18:00)

time	[id] title	presenter
16:00	[110] Towards ultrahigh 6D brightness electron beams from plasma wakefield accelerators	Dr HABIB, A. Fahim
16:20	[103] A high repetition rate, stable source of neutrons generated by few-cycle laser pulses	Prof. OSVAY, Karoly
16:40	[219] 3D Theory of the Ion Channel Laser	HANSEL, Claire
17:00	[156] Development of a multi-channel scintillator array for improved reconstruction of high-energy photon spectra in laser-plasma experiments	FITZGARRALD, Rebecca
17:20	[166] Target metrology of Inertial Confinement Fusion fuel capsules using a Laser Wakefield Acceleration based Betatron X-ray source	PAGANO, Isabella
17:40	[209] X-ray induced acoustic computed tomography with laser-wakefield accelerated sources: a simulation study	FRANCO ALTAMIRANO, Jose Alejandro