

Poster Board	WG	Last	First	Contribution Id	Title
F65	WG1	Miao	Bo	183	Improving electron dephasing of an all-optical multi-GeV laser wakefield accelerator
F66	WG1	Petrushina	Irina	241	Characterization of the fields inside the CO ₂ -laser-driven wakefield accelerators using relativistic electron beams
F67	WG1	Ding	Hao	276	Laser Pulse Compression for Applications in Compact Wakefield Accelerators
P1	WG1	Kim	Jihoon	88	Phase- and polarization-controlled electron self-injection into laser plasma accelerators
P10	WG1	Ernst	Nicholas	242	Arbitrary Wave Shaping for Controlled Electron Injection Using Co-Propagating Laser Pulses
P11	WG1	Latham	Joshua	247	EMP from LWFA with two collinear, time-separated laser beams
P12	WG1	Frano Altamirano	José Alejandro	275	Calibration of GeV wakefield-accelerated electron energies by bremsstrahlung cut-off calorimetry
P2	WG1	Stackhouse	Joshua	108	Commissioning of BELLA PW second beamline with high-power plasma mirrors and a look towards laser-plasma accelerator staging
P3	WG1	Hughes	Adam	110	Enhanced Spectral Flux of Synchrotron X-ray Beams from Laser Wakefield Accelerators
P4	WG1	Jensen	Kyle	156	Stability of high-brightness electron beam foci for precision coupling to small aperture structures using different LPA injection mechanisms
P5	WG1	Fan-Chiang	Liona	180	Third harmonic generation for two-color ionization injection in laser-plasma accelerators
P6	WG1	Brooks	Jason	202	Hydrodynamic channel guiding of Helium laser driven wake with downramp injection
P7	WG1	Cao	Yuxuan	220	Emittance preservation of a CO ₂ -laser driven wakefield acceleration with external injection
P8	WG1	Rockafellow	Ela	234	Simulated Particle-in-Cell Results Demonstrating Multi-GeV Energy Quasi-monoenergetic Electron Beams and Adjustable Charge
P9	WG1	Kohrell	Finn	240	Optimizing down-ramp injection to generate stable and tunable electron bunches for an LPA driven FEL
F68	WG2	Pierce	Jacob	162	Porting the particle-in-cell code OSIRIS to GPU-accelerated architectures
F69	WG2	Tang	Qi	184	Symplectic surrogate models for beam dynamics in conventional and advanced accelerators
F70	WG2	Su	Qianqian	258	Recent Developments on QuickPIC
F71	WG2	Dalichaouch	Thamine	264	QPAD: Highly efficient quasi-static particle-in-cell algorithm based on azimuthal decomposition
P14	WG2	Pocher	Liam	43	Optimizing the Discovery of Underlying Nonlinear Beam Dynamics in Angular Momentum and Space Charge Dominated Beams
P15	WG2	Wolfinger	Kathryn	136	Simulations of laser-plasma interactions and electromagnetic pulse generation
P16	WG2	Hesse	Roland	146	Relativistic Vlasov-Poisson Solver with Ponderomotive Driver
P17	WG2	Kim	Grace	149	Machine Learning for Designing Flying Focus Optics
P18	WG2	Higuet	Adam	151	A Toy Model of Numerical Cherenkov Radiation
P19	WG2	Antoine	André	165	Characterizing hot electrons in ensemble PIC simulations of high-intensity, laser-plasma interactions with machine learning.

Poster Board	WG	Last	First	Contribution Id	Title
P20	WG2	Berger	Curtis	227	Active non-perturbative Stabilization of the laser-plasma-accelerated electron beam source
F72	WG3	Othman	Mohamed	46	Distributed Coupling Linac for Efficient Acceleration of High Charge Bunches
F73	WG3	Othman	Mohamed	75	Investigation of Terahertz Near-Fields Towards Efficient Particle Acceleration
F74	WG3	Zuboraj	Muhammed	181	HIGH GRADIENT TESTING RESULTS OF THE C-BAND BENCHMARK $a/\lambda=0.105$ CAVITIES AT LANL
F77	WG3	Othman	Mohamed	236	Prototyping of distributed coupling accelerators at mm-wave frequencies
P21	WG3	Nambu	Nainoa	51	A scheme for generation and measurement of spin polarized GeV electrons from a PWFA
P22	WG3	Weatherly	Sarah	62	Simulation Results of a Clamped Multicell Dielectric Disk Accelerating Structure
P23	WG3	Crisp	Sophie	254	Energy Modulation in a Commercial Dual Grating Dielectric Structure
F78	WG4	Verra	Livio	59	Self-Modulation Instability of a Wide and Long Relativistic Proton Bunch in Plasma
F79	WG4	Schröder	Sarah	122	Beam stability and reproducibility of a plasma-wakefield accelerator
F80	WG4	Stumpf	Michael	178	Optimized setup for a laser-induced Plasma Photocathode
F81	WG4	Muggli	Patric	244	Measurements of the amplitude of plasma wakefields using plasma light
F82	WG4	Dalichaouch	Thamine	260	Generation and optimization of high quality multi-GeV electron beams using an evolving electron driver in the nonlinear blowout regime
P25	WG4	Pucek	Jan	39	Effects of a plasma ramp on an electron bunch seeding self modulation of a proton bunch
P26	WG4	Peña	Felipe	70	Large Energy Depletion of a Beam Driver in a Plasma-Wakefield Accelerator
P27	WG4	Lynn	Walter	139	Transverse Stability in an Alternating Gradient Planar Dielectric Wakefield Structure
P28	WG4	Doss	Christopher	141	Underdense Plasma Lens Commissioning at FACET-II and Future Experimental Plans
P29	WG4	Yan	Jiayang	143	Investigating the Transverse Trapping Condition in Beam-Induced-Ionization-Injection in Plasma Wakefield Accelerators
P30	WG4	Allen	James	145	Gigaelectronvolt Acceleration of Captured Electrons in a Positron Beam-Driven Plasma Wakefield Accelerator
P31	WG4	Brooks	Jason	206	Shallow angle probing of beam driven wakes at the FACET II facility
P32	WG4	Lynn	Walter	208	Observation of Skewed Electromagnetic Wakefields in an Asymmetric Structure Driven by Flat Electron Bunches
P33	WG4	Manwani	Pratik	269	Flat beam plasma wakefield accelerator
P34	WG4	Lee	Valentina	272	Experimental Opportunities for the Plasma Wakefield Acceleration in a Narrow Plasma Channel
F83	WG5	Andrews	Heather	72	Initial Results from a Laser-Heated Thermionic Cathode
P36	WG5	Natal	Joseph	77	High-bandwidth image-based predictive laser stabilization via optimized Fourier filters
P37	WG5	Osenberg	Marc	94	An all-optical streak camera to measure the jitter between two beams in the single-digit femtosecond regime
P38	WG5	Hessami	Rafi	106	Multi-color operation via coherent harmonic generation in a plasma driven attosecond X-ray source
P39	WG5	Hessami	Rafi	107	A Compact Source of Positron Beams with Small Thermal Emittance

Poster Board	WG	Last	First	Contribution Id	Title
P40	WG5	LaBerge	Maxwell	126	Measurement of coherent substructures within laser-wakefield-accelerated electron beams
P41	WG5	Cheng	Xiantao	193	Compact high-resolution multi-GeV electron spectrometer for PW-laser-driven plasma accelerators
P42	WG5	Kelham	Spencer	213	Numerical Studies of Phase Diversity Electro-Optic Sampled Relativistic Electron Bunches
P43	WG5	Farrell	Audrey	214	Modelling nonequilibrium Thomson scattering from above-threshold ionized plasma
F84	WG6	Garten	Marco	34	Simulation of optimized TNSA via temporal pulse shaping under realistic laser contrast conditions
P45	WG6	De Chant	Jared	100	Design Optimization of Permanent-Magnet Based Compact Transport Systems for Laser-Driven Proton Beams
F86	WG7	Railing	Lucas	232	Time Resolved Measurements of the Polarization State of Supercontinuum Generated in a Monatomic Gas
P46	WG7	Sinclair	Mitchell	50	X-ray source development for high energy density science via self-modulated laser wakefield acceleration
P47	WG7	Ambat	Manfred Virgil	38	Programmable-Velocity Dephasingless Laser Wakefield Acceleration
P48	WG7	Hessami	Rafi	40	Radiation detection for the PAX Experiment at FACET-II
P49	WG7	Tang	Hongmei	67	The Effect of Laser Focusing Geometry on the Direct Laser Acceleration of Electrons
P50	WG7	Wang	Junzhi	80	Advanced Laser-driven Betatron X-ray Generation
P51	WG7	Rudzinsky	Ross	134	THz Smith-Purcell Radiation from Laser Wakefield Accelerated Electron Bunches
P52	WG7	Murphy	Jon	153	High repetition-rate K-alpha x-ray source from a low-density gas target
P53	WG7	Zepp	Michael	155	Ion and Neutral Particle Balance in AWAKE Helicon Plasmas
P54	WG7	Berman	Lily	166	Towards a soft x-ray PWFA-FEL via Trojan Horse single bunch injection
P55	WG7	Downer	Michael	238	Feasibility of LWFA's for X-ray induced acoustic computed tomography
P56	WG7	Hansel	Claire	249	The Ion Channel Laser: Physics Advances and Experimental Plans
P57	WG7	Younis	Daniel	262	Polarized Photoelectrons from Converging Vector Waves
P58	WG7	Pagano	Isabella	273	High Resolution Radiography with Self-Modulated and Blowout Regime Laser Wakefield Acceleration generated X-ray sources
F87	WG8	Feng	David	61	Towards a Pre-Pulse Cleaning Method In Ultrafast, High Peak Power Fiber Laser Systems
F88	WG8	Juranic	Pavle	68	EEHG seeding scheme at the Athos branch of SwissFEL
F89	WG8	Vladutescu	Viviana	204	Environmental Conditions Effect on Optical Components Performance and Cleaning Techniques
F90	WG8	Fedurin	Mikhail	218	Training capability of the Brookhaven National Laboratory Accelerator Test Facility
P60	WG8	Lemons	Randy	49	Simultaneous Laser Temporal Shaping and Nonlinear Conversion for Driving Electron Photoinjectors
P61	WG8	Matteo	Daniel	91	Post-Compression of High-Power CO2 Lasers to sub-ps Levels Using an Ultrathin Tailored Nonlinear Element for Advanced Accelerator Applications
P62	WG8	Logantha	Mahek	237	Systematic Control for Coherently-combined High Energy Fiber Laser

Poster Board	WG	Last	First	Contribution Id	Title
P63	WG8	Pasquale	Christopher	267	Synchronous Ultrashort Off-Color Laser for Arbitrary Delay Backlighting of Intense Laser Plasma Interactions
P64	WG8	Cooper	Lauren	271	Coherent Stacking of Few Cycle Pulses from a Gain-Managed Nonlinear Amplifier for CPA-free Energy and Power Scalable Drivers of High-Intensity Laser-Matter Interactions