

20th Advanced Accelerator Concepts Workshop

Monday 07 November 2022

Plenary: Session 1 - Ballroom Salon D-E (08:50-10:20)

-Conveners: Eric Colby

time	[id] title	presenter
08:50	[111] Acceleration beyond 10 GeV of a 340 pC electron bunch in a 10 cm nanoparticle-assisted wakefield accelerator	ANICULAESEI, Constantin
09:20	[225] Multi-GeV electron bunches from an all-optical laser wakefield accelerator	MIAO, Bo SHROCK, Jaron ROCKAFELLOW, Ela
09:50	[93] Experimental progress towards an energy-efficient, high-quality, high-repetition-rate plasma-wakefield accelerator	D'ARCY, Richard

Plenary: Session 2 - Ballroom Salon D-E (10:40-12:10)

-Conveners: Louise Willingale

time	[id] title	presenter
10:40	[230] Positron Acceleration in Plasmas	DIEDERICHS, Severin
11:10	[98] High energy proton acceleration at DRACO-PW and radio-biological applications	ZEIL, Karl
11:40	[54] First SASE and Seeded FEL Lasing based on a beam driven wakefield accelerator	BIAGIONI, Angelo

Tuesday 08 November 2022

Plenary: Session 3 - Ballroom Salon D-E (08:30-10:00)

-Conveners: Vladimir Shiltsev

time	[id] title	presenter
08:30	[277] FACET-II: Status of the first experiments and the road ahead	Dr HOGAN, Mark
09:00	[135] Hosing of a long relativistic particle bunch induced by an electron bunch	NECHAEVA, Tatiana
09:30	[245] European Roadmap Reports for Advanced Accelerators	ASSMANN, Ralph

Plenary: Session 4 - Ballroom Salon D-E (10:30-12:00)

-Conveners: John Power

time	[id] title	presenter
10:30	[207] Breakdown insensitive acceleration regime in structure wakefield acceleration	LU, Xueying
11:00	[33] From Compact Plasma Particle Sources to Advanced Accelerators with Modeling at Exascale	HUEBL, Axel
11:30	[163] Advanced Ion Acceleration Mechanisms	BULANOV, Stepan

Wednesday 09 November 2022

Plenary: Session 5 - Ballroom Salon D-E (08:30-10:00)

-Conveners: **Pietro Musumeci**

time	[id] title	presenter
08:30	[283] Summary of the Snowmass Accelerator Frontier - AAC Role and Vision	RAUBENHEIMER, Tor
08:50	[45] Snowmass Process Advanced Accelerator Concepts (AF6) Perspective	GEDDES, Cameron
09:10	[282] The GARD Program - A Retrospective View	LEN, LK
09:30	[284] Panel Discussion	

Plenary: Session 6 - Ballroom Salon D-E (10:30-12:00)

-Conveners: **Eric Esarey**

time	[id] title	presenter
10:30	[104] Prospects of Ultralow MTE photocathodes in Electron Guns	KARKARE, Siddharth
11:00	[73] Machine-learning control of coherent combining of fiber lasers for plasma accelerators	WANG, Dan
11:30	[119] RadiaBeam and lessons learned building an accelerator company	Dr KUTSAEV, Sergey

Friday 11 November 2022

Plenary: Session 7 - Ballroom Salon D-E (08:30-10:00)

-Conveners: Evgenya Simakov

time	[id] title	presenter
08:30	[256] Cool Copper Collider Design and Plans	OTHMAN, Mohamed
09:00	[182] ACE3P – Multi-Physics Modeling, Enabling Technologies, and Code Integration	XIAO, Liling
09:30	[279] Plasma-based Attosecond X-ray Pulses	Dr MARINELLI, Agostino

Plenary: Student Poster Prize Winners - Ballroom Salon D-E (10:30-12:00)

-Conveners: Michael Downer

time	[id] title	presenter
10:30	[286] Introduction	
10:35	[287] Working Group 1 Award Winner	
10:45	[288] Working Group 2 Award Winner	
10:55	[289] Working Group 3 Award Winner	
11:05	[290] Working Group 4 Award Winner	
11:15	[291] Working Group 5 Award Winner	
11:25	[292] Working Group 6 Award Winner	
11:35	[293] Working Group 7 Award Winner	
11:45	[294] Working Group 8 Award Winner	