



# IAS Program on High Energy Physics (HEP 2021)

## Thursday, 14 January 2021

### Mini-workshop: Plasma Acceleration: Day 1 - Session 1 (MW-PA-D1-S1) (13:00 - 14:40)

-Conveners: Wei LU

time	[id] title	presenter
13:00	[76] #1: Perspectives on Plasma-based Accelerators	JOSHI, Chandrashekhar
13:50	[77] #2: Theory and Computational Challenges in Plasma-accelerator Research	MORI, Warren
14:20	[78] #3: Energy-spread Preservation in a Plasma Accelerator at FLASHForward	LINDSTRØM, Carl

### Mini-workshop: Plasma Acceleration: Day 1 - Session 2 (MW-PA-D1-S2) (14:50 - 16:10)

-Conveners: Chandrashekhar JOSHI

time	[id] title	presenter
14:50	[79] #1: High Energy Plasma-based Injector for Circular Electron-positron Collider (CEPC) and Beyond	LU, Wei
15:30	[80] #2: High Transformer Ratio Electron Acceleration for CEPC Plasma Injector	WANG, Xiaoning
15:50	[81] #3: Underdense Passive Plasma Lenses for Focusing Electron Beams	DOSS, Christopher

### Mini-workshop: Plasma Acceleration: Day 1 - Session 3 (MW-PA-D1-S3) (21:00 - 22:30)

-Conveners: Weiming AN

time	[id] title	presenter
21:00	[82] #1: The EuPRAXIA Project for a European Research Infrastructure	ASSMANN, Ralph Wolfgang
21:50	[83] #2: Polarized Beams from Plasma Accelerators	BUESCHER, Markus
22:10	[84] #3: Positron Acceleration in a Hollow Channel Plasma Wakefield Accelerator	ZHOU, Shiyu

### Mini-workshop: Plasma Acceleration: Day 1 - Session 4 (MW-PA-D1-S4) (22:40 - 00:00)

-Conveners: Ralph Wolfgang ASSMANN

time	[id] title	presenter
22:40	[85] #1: Recent Progress of Laser Wakefield Acceleration Studies at Shanghai Jiao Tong University	CHEN, Min
23:10	[86] #2: Recent Progress on the Laser-driven High-energy Proton/Heavy Ion Acceleration	MA, Wenjun
23:40	[87] #3: Energy Dechirper for a Electron Beam Using a Hollow Channel Plasma	LIU, Shuang

# Friday, 15 January 2021

## Mini-workshop: Plasma Acceleration: Day 2 - Session 1 (MW-PA-D2-S1) (13:00 - 14:30)

-Conveners: Jie GAO

time	[id] title	presenter
13:00	[88] #1: Plasma Wakefield Acceleration: Current Status and Roadmap to First Applications and the Energy Frontier	HOGAN, Mark J.
13:50	[89] #2: Positron Acceleration in Plasma Wakefields	GESSNER, Spencer
14:10	[90] #3: Generation of Single Cycle Tunable Radiation Pulses from THz to Mid IR Using Frequency Downshifting in Plasma Wakes	NIE, Zan

## Mini-workshop: Plasma Acceleration: Day 2 - Session 2 (MW-PA-D2-S2) (14:40 - 16:00)

-Conveners: Mark J. HOGAN

time	[id] title	presenter
14:40	[91] #1: Laser-plasma Electron Acceleration towards a Compact XFEL in Japan	KANDO, Masaki
15:10	[92] #2: Laser Plasma Acceleration and its Applications	LIU, Jiansheng
15:40	[93] #3: Plasma Accelerator injector studies at IHEP	ZENG, Ming

## Mini-workshop: Plasma Acceleration: Day 2 - Session 3 (MW-PA-D2-S3) (21:00 - 22:30)

-Conveners: Baifei SHEN

time	[id] title	presenter
21:00	[94] #1: AWAKE: A Plasma Wakefield Accelerator Driven by a Proton Bunch	MUGGLI, Patric
21:40	[95] #2: The EupPRAXIA@SPARC_LAB Project and Related R&D Activities at LNF	FERRARIO, Massimo
22:00	[96] #3: EPAC - A New, Advanced Facility for Applications of Laser-driven Accelerators	RAJEEV, Paramel Pattathil

## Mini-workshop: Plasma Acceleration: Day 2 - Session 4 (MW-PA-D2-S4) (22:40 - 00:00)

-Conveners: Patric MUGGLI

time	[id] title	presenter
22:40	[97] #1: Driving Positron Beam Acceleration with Coherent Transition Radiation	SHEN, Baifei
23:10	[98] #2: Recent Progress on Quasi-static PIC Code: QuickPIC and QPAD	AN, Weiming
23:30	[99] #3: MeV Hard X-ray Micro-spot Sources Based on Laser Wake-field Accelerator and 3D Imaging Applications	GU, Yuqiu