

Advanced LinEar collider study GROup Workshop 2018

Tuesday 27 March 2018

Parallel WG session 3: WG1 Physics case - JAI 614 (13:00 - 15:00)

-Conveners: Michael Peskin; Junping Tian

time	[id] title	presenter
13:00	[34] Particle searches at CLIC, Tevong You (Cambridge U)	YOU, Tevong
13:20	[35] Higgspllosion, Valentin Khoze (Durham)	KHOZE, Valentin V
13:40	[36] Energy helps accuracy: Effective Field Theory analysis at high energy, Marc Riembau (DESY)	RIEMBAU, Marc
14:00	[37] General discussion of the physics goals of 1 TeV - 50 TeV e+e- and gamma gamma colliders, All	

Parallel WG session 3: WG3 TMS, Joint session WG3+WG6+WG7 on modeling DLA/SWFA - Fisher Room (13:00 - 15:00)

-Conveners: Jean-Luc Vay; Jorge Vieira; Henri Vincenti

time	[id] title	presenter
13:00	[57] Modeling needs for a collider: DLA+SWFA, England + (Power/Piot TBC)	
13:30	[58] State-of-the-art of current modelling tools/methods for SWFA+DLA, Niedermeyer + (Power/Piot TBC)	
14:00	[59] Future algorithmic/performance needs for DLA+SWFA, Cowan + (Power/Piot TBC)?	
14:30	[60] Discussion, All	

Parallel WG session 3: WG4: Laser technology - Dennis Sciama LT (13:00 - 15:00)

-Conveners: Carl Schroeder; Brigitte Cros; Simon Hooker

time	[id] title	presenter
13:00	[19] kHz laser technolgy for LWFA applications, Wim Leemans (LBNL)	
13:30	[20] Laser drivers for the EuPRAXIA beamlines, Leo Gizzi (CNR INO)	
14:00	[21] Laser technology for high peak and average power, Christophe Simon-Boisson (Thales)	
14:30	[22] Discussion, All	

Parallel WG session 3: WG5 PWFA: Beam quality preservation + staging - Seminar Room (13:00 - 15:00)

-Conveners: Patric Muggli; Jens Osterhoff; Edda Gschwendtner

time	[id] title	presenter
13:00	[42] Extension of CLIC-drive beam concept to 20 GeV for a PWFA-based colider', Daniel Schulte	

13:30	[43] Origins and mitigation strategies of beam centroid offsets to minimize hosing, Vladyslav Libov	
13:50	[44] Discussion	

Parallel WG session 3: WG6, SWFA: Drive-bunch Physics - Conference Room (13:00 - 15:00)

-Conveners: John Power; Philippe Piot