



# CLIC Workshop 2017

## Monday, 6 March 2017

### **Accelerator Parallel Session: Beam Dynamics 1 : Main Linac and RTML - 6/2-024 - BE Auditorium Meyrin (14:00 - 15:30)**

-Conveners: Andrea Latina

time	[id] title	presenter
14:00	[283] Optimisation of the Drive Beam Recombination Complex	COSTA, Raul
14:15	[325] Design and Beam Dynamics Studies for the Primary 5 GeV e- Driver Linac	KESKIN, Umut
14:30	[281] Optimisation of the Positron Source for the First Stage at 380 GeV	BAYAR, Cafer
14:45	[279] RTML Beam Dynamics performance at 380 GeV c.o.m.	HAN, Yanliang
15:00	[280] Stray-field measurements	Dr MARIN LACOMA, Eduardo
15:15	[282] Observation of the 2-D Earth surface angular deformations by the Moon and Sun by the Precision Laser Inclinator	LYABLIN, Mikhail

### **Accelerator Parallel Session: X-Band Technologies 3 - 503/1-001 - Council Chamber (14:00 - 15:20)**

-Conveners: Walter Wuensch

time	[id] title	presenter
14:00	[236] SBox and high-gradient medical structure testing progress	Ms PITMAN, Samantha Louise
14:20	[234] Progress of X-band structures under test in XBoxes	LUCAS, Thomas Geoffrey
14:40	[238] Recent results from the pulsed dc system	PROFATILOVA, Iaroslava
15:00	[257] X-band pulse compressor: tuning and high-power operation	VOLPI, Matteo

### **Accelerator Parallel Session: Beam Dynamics 2: BDS - 6/2-024 - BE Auditorium Meyrin (16:00 - 17:45)**

-Conveners: Andrea Latina; Rogelio Tomas Garcia

time	[id] title	presenter
16:00	[327] Beam Delivery System performance simulated with Placet 1 & 2 and Guinea-Pig C & C++	AROMINSKI, Dominik
16:15	[286] 1-beam Tuning of the Traditional Final Focus	BODENSTEIN, Ryan Michael B
16:30	[285] Supporting studies towards CLIC BDS Feasibility	Dr MARIN LACOMA, Eduardo
16:45	[287] Demonstration of the L*=6m design and a longer BDS system	PLASSARD, Fabien
17:00	[288] Testing future LC FFS in SuperKEKB	VAAGEN THRANE, Paul Conrad THRANE, Paul Conrad Vaagen
17:15	[323] Some Thoughts on Novel Technologies for Linear Colliders	SCHULTE, Daniel
17:30	[289] Crystal Focusing for CLIC FFS?	TOMAS GARCIA, Rogelio

### **Accelerator Parallel Session: X-Band Technologies 4 - 503/1-001 - Council Chamber (16:00 - 17:30)**

**-Conveners: Walter Wuensch**

time	[id] title	presenter
16:00	[239] Recent progress on high-gradient simulation and experiments in Helsinki	DJURABEKOVA, Flyura
16:20	[240] High spacial resolution ultrasonic hardness measurement	MERILAINEN, Antti
16:40	[241] X-band structure development at SINAP	TAN, Jianhao
17:00	[242] High-gradient S-band structures	SERPICO, Claudio

## Tuesday, 7 March 2017

### **Accelerator Parallel Session: Drive Beam, CLIC Module and PACMAN - 503/1-001 - Council Chamber (08:30 - 10:00)**

-Conveners: Steffen Doebert; Andrea Latina

time	[id] title	presenter
08:30	[292] Civil Engineering & Infrastructure and Siting, Overview and Coming Studies	OSBORNE, John Andrew
08:45	[297] The PACMAN project: results and perspectives	MAINAUD DURAND, Helene
09:00	[294] CLIC two beam module studies update	VAMVAKAS, Alex
09:15	[295] Finite Elemente model of the CLIC module	Mr MOILANEN, Antti
09:30	[296] Update on the Zepto project. Prototype adjustable permanent magnets for CLIC	BAINBRIDGE, Alex
09:45	[293] Drive beam gun results	PEPITONE, Kevin

### **Accelerator Parallel Session: CTF3: RF related issues - 503/1-001 - Council Chamber (10:30 - 12:30)**

-Conveners: Roberto Corsini

time	[id] title	presenter
10:30	[290] Two-Beam Module experimental results	FARABOLINI, Wilfrid
10:50	[291] Wake-field monitors testing with beam	LILLESTOL, Reidar Lunde
11:10	[298] Cavity BPMs development at CALIFES and ATF2	LYAPIN, Alexey
11:30	[299] Impact of beam loading on break-down rate	SENES, Eugenio
11:50	[300] RF pulse shape control	KONONENKO, Oleksiy
12:10	[301] Results of Performance tests on 20 kW solid state wide band amplifier for Subharmonic Bunching system for CLIC DB Front End at CERN	SHRIVASTAVA, Purushottam

### **Accelerator Parallel Session: CTF3 - Operation, performance and experiments - 6/2-024 - BE Auditorium Meyrin (14:00 - 15:45)**

-Conveners: Roberto Corsini

time	[id] title	presenter
14:00	[303] Overview of Drive Beam operation	SKOWRONSKI, Piotr Krzysztof
14:10	[304] Method and tools for Drive Beam performance optimization	GAMBA, Davide
14:30	[305] Stability and feedbacks in CTF3	MALINA, Lukas
14:50	[324] The main results and summary of Drive Beam activities	SKOWRONSKI, Piotr Krzysztof
15:00	[302] Final results of the drive beam feed-forward experiment	ROBERTS, Jack
15:20	[306] Measuring Small beam size using Diffraction radiation: Summary of the tests performed at Cornell and KEK	KIEFFER, Robert

### **Accelerator Parallel Session: X-Band Technologies 5 - 503/1-001 - Council Chamber (14:00 - 15:45)**

-Conveners: Walter Wuensch

time	[id] title	presenter
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14:00	[243] RF design of the X-band accelerating structure for 380 GeV CLIC	HUANG, Xiaoxia
14:20	[244] RF design of X-band RF deflector with variable polarization	GRUDIEV, Alexej
14:40	[245] PROBE structure rf and mechanical design	PITMAN, Samantha Louise
15:00	[246] Accelerating structure production at CERN	SOLODKO, Anastasiya
15:20	[247] Micron-precision internal measurement	MONTONEN, Risto

**Accelerator Parallel Session: DR - Damping Rings - 6/2-024 - BE Auditorium Meyrin (16:15 - 18:15)**

**-Conveners: Andrea Latina; Yannis Papaphilippou**

time	[id] title	presenter
16:15	[317] Update on the CLIC DR design	Dr GHASEM, Hossein
16:35	[320] Installation of the CLIC Stripline Kicker at the ALBA Storage Ring for its beam characterisation	PEREZ, Francis PEREZ, Francis PEREZ, Francis IRISO, Ubaldo
16:55	[319] Transient Studies of the Stripline Kicker for Beam Extraction from the CLIC DRs	BELVER AGUILAR, Carolina
17:15	[321] Development of inductive adders for the CLIC DR kicker systems	HOLMA, Janne
17:35	[318] Design of a longitudinal gradient dipole for the CLIC DR	TORAL, Fernando DOMINGUEZ, Manuel
17:55	[322] Experimental turn-by-turn optics measurements in lepton and hadron rings	ZISOPOULOS, Panagiotis

**Accelerator Parallel Session: X-Band Technologies 6 - 503/1-001 - Council Chamber (16:15 - 18:15)**

**-Conveners: Walter Wuensch**

time	[id] title	presenter
16:15	[251] Development of X-band RF load using additive manufacturing	GRUDIEV, Alexej
16:35	[248] Development of a high-efficiency klystron based on the kladistron principle	MOLLARD, Antoine
16:55	[250] High efficiency X-band klystron and related developments	SYRATCHEV, Igor
17:15	[278] Status of the compact X-band pulse compressor with flat top	SHI, Jiaru
17:35	[254] Precision X-band phase measurement and control	SMITH, Samuel Jack
17:55	[329] High efficiency work and MBK development for accelerators at BVERI	WAN, ZhiZhi

# Wednesday, 8 March 2017

## Accelerator Parallel Session: CLEAR and Test facilities - 503/1-001 - Council Chamber (08:45 - 12:45)

-Conveners: Yannis Papaphilippou; Roberto Corsini; Rogelio Tomas Garcia

time	[id] title	presenter
08:45	[307] Status and outlook of the CLEAR facility	CORSINI, Roberto
09:10	[314] The plasma lens experiment	ADLI, Erik
09:30	[309] Beam Instrumentation in CLEAR, planned experiments and improvements	LEFEVRE, Thibaut
09:50	[310] Laser and THz techniques for wakefield & electron bunch characterisation, and for bunch manipulation	JAMISON, Steven Patrick
10:10	Coffee Break	
10:40	[311] Impedance measurements in CLEAR	CARVER, Lee Robert
11:00	[312] Status and outlook of VESPER	KASTRIOTOU, Maria
11:20	[313] AWA status and results	GAI, Wei
11:40	[315] ATF2 status	BETT, Douglas Robert