

**Session Program**

**9-12 Mar 2020**

**CLIC Workshop 2020**

***Accelerator Session***

CERN

# Monday 9 March

14:00

## Accelerator Session: Beam Dynamics

**Session** | **Location:** CERN, 6/2-024 - BE Auditorium Meyrin | **Conveners:** Andrea Latina, Daniel Schulte

14:00–14:25

### Luminosity performance of CLIC with static and dynamic imperfections

#### Speaker

Chetan Gohil

14:30–14:55

### Modelling stray magnetic fields in accelerator environments and integrated simulations of CLIC

#### Speaker

Chetan Gohil

15:00–15:25

### Update on PLACET2

#### Speaker

Raul Costa

15:30–16:00

### Coffee break

16:00–16:25

### CLIC DBRC Studies

#### Speaker

Raul Costa

16:30–16:55

### Optimisation of the CLIC BC2 RF

#### Speaker

Xingguang Liu

17:00–17:20

### A Dual Beam Delivery System to serve two detectors in CLIC

#### Speaker

Vera Cilento

17:25–17:45

### Optimisation of the CLIC 380 GeV Final Focus system

#### Speaker

Andrii Pastushenko

18:00

14:00

## Accelerator Session: X-band Prototypes and Tests

**Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Alexej Grudiev, Nuria Catalan Lasheras

14:00–14:20

### TD26CC Structure Fabrication at CIEMAT

#### Speaker

Daniel Gavela Pérez

14:20–14:40

### Industrialization study for CLIC structures

#### Speaker

Anastasiya Magazinik

14:40–15:00

**Overview and status of X-band testing at CERN****Speaker**

Veronica Del Pozo Romano

15:00–15:20

**Xbox1 new LLRF and acquisition system****Speaker**

Amelia Veronica Edwards

15:20–15:40

**Low BDR Conditioning in a CLIC Superstructure****Speaker**

Lee Millar

15:40–16:00

**Coffe break**

16:00–16:20

**Progress on the RF Network for the Smart Light Inverse Compton Source****Speaker**

Thomas Geoffrey Lucas

16:20–16:40

**RF pulse compression on Tsinghua high power test stands (TPot)****Speaker**

Jiaru Shi

16:40–17:00

**RF design for the drive beam structure****Speaker**

Ana Dorda Martin

17:00–17:20

**A new approach to breakdown limits****Speaker**

Jan Paszkiewicz

17:20–17:40

**Update on Dark Current and Radiation simulations in the CLIC structures****Speaker**

David Banon Caballero

18:00

## Tuesday 10 March

08:30

### Accelerator Session: E+ / rings

**Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Steffen Doebert, Andrea Latina

09:00–09:25 **Status of SuperKEKB positron source**

**Speaker**

yoshinori enomoto

09:30–09:55 **Design of the FCC-ee positron source**

**Speaker**

Yanliang Han

10:00–10:25 **Positron production for the LEMMA scheme**

10:30–11:00 **Coffee break**

11:00–11:25 **Adipatic dampind device sudies at CERN**

**Speaker**

Hugo Bajas

11:30–11:55 **CLIC positron source optimisation**

**Speaker**

Mr Yongke Zhao

12:00–12:25 **Slow positron facility upgrade plan using X band accelerator**

**Speaker**

yoshinori enomoto

12:30–12:55 **Design Issues for Positron Sources , in particular for ILC**

**Speaker**

Peter Sievers

12:55

08:30

### Accelerator Session: Technical Systems, Instrumentation and Beam Studies

**Session** | **Location:** CERN, 30/7-018 - Kjell Johnsen Auditorium | **Conveners:** Nuria Catalan Lasheras, Thibaut Lefevre, Carlo Rossi, Roberto Corsini

08:30–08:50 **Updated CLIC module design**

**Speaker**

Matthew John Capstick

08:50–09:10 **Thermomechanical simulations and studies of the CLIC SAS**

**Speaker**

Kai Papke

09:10–09:30 **Vibration Design Considerations For CLIC Modules**

**Speaker**

Matthew John Capstick

11:40–12:00

**Longitudinal variable bend prototype for the CLIC damping rings****Speaker**

Manuel Angel Dominguez Martinez

**Accelerator Session: ATF2 / BDS****Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:**

Rogelio Tomas Garcia, Andrea Latina, Nobuhiro Terunuma, Philip Burrows

14:00–14:10

**ATF2 operation****Speaker**

Nobuhiro Terunuma

14:15–14:35

**ATF2 status and plans****Speaker**

Toshiyuki Okugi

14:40–15:00

**Experience with ultra-low beta optics in ATF2****Speaker**

Renjun Yang

15:05–15:25

**Experience with octupoles in ATF2****Speaker**

Andrii Pastushenko

15:30–16:00

**Coffee break**

16:00–16:20

**Wakefield studies in ATF2****Speaker**

Pierre Korysko

16:25–16:45

**ODR/OTR Beam size measurements****Speaker**

Stefano Mazzoni

**Accelerator Session: Power Sources****Session** | **Location:** CERN, 30/7-018 - Kjell Johnsen Auditorium | **Convener:** Igor Syrathev

14:00–14:20

**LHC 400 MHZ klystron upgrade program****Speaker**

Erk Jensen

14:25–14:45

**CLIC L-band, new TS/MBK technology****Speaker**

Igor Syrathev

14:50–15:10

**Klystron development at SLAC****Speaker**

Sami Tantawi

18:00

15:15–15:35

**KlyC, CERN made code for the Klystrons simulations****Speaker**

Jinchi Cai

15:40–16:00

**Coffee break**

16:00–16:20

**36 GHz Gyroklystron****Speaker**

Liang Zhang

16:25–16:45

**36 GHz HOM MBK****Speaker**

Jinchi Cai

16:50–17:10

**High Efficiency Klystrons Technologies Review****Speaker**

Igor Syrathev

## Wednesday 11 March

08:30

### Accelerator Session: High Energy + High Luminosity + NAT+ gamma-gamma

**Session** | **Location:** CERN, 503/1-001 - Council Chamber | **Conveners:** Daniel Schulte, Erik Adli

08:30–08:55 **Motivation for high energy leptons**

**Speaker**

Roberto Franceschini

09:00–09:25 **Relevant parameters for physics**

**Speaker**

Philipp Roloff

09:30–09:55 **Options for high energy leptons**

**Speaker**

Daniel Schulte

10:00–10:30 **Coffe break**

10:30–10:50 **Progress, status test facilities**

**Speaker**

Erik Adli

10:50–11:10 **SPARC LAB, recent results and plans**

**Speaker**

vladimir shpakov

11:10–11:30 **Parameter considerations for a PWFA linear collider**

**Speaker**

Jian Bin Ben Chen

11:30–11:50 **Physics applications for AWAKE acceleration scheme**

11:50–12:15 **Muon collider progress**

**Speaker**

Nadia Pastrone

12:30

08:30

### Accelerator Session: Power Sources

**Session** | **Location:** CERN, 30/7-018 - Kjell Johnsen Auditorium | **Convener:** Igor Syratcev

09:00–09:15 **Thales**

09:20–09:35 **Canon**

**Speaker**

Toshiro Anno

09:40–09:55 **CPI**

12:30

10:00–10:15	<b>High Efficiency 50MW X-band Klystron development at BVERI</b>
<b>Speaker</b> Kairong Chu	
10:20–10:35	<b>High current density cathodes at BVERI for high power klystron and high-energy accelerators</b>
10:40–11:00	<b>Coffee Break</b>
11:00–11:20	<b>Klystron's SC solenoid status</b>
<b>Speaker</b> Nuria Catalan Lasheras	
11:25–11:45	<b>ScandiNova</b>