

# **Workshop on efficient RF sources**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction to the workshop

*Monday 4 July 2022 13:50 (10 minutes)*

**Presenter:** CATALAN LASHERAS, Nuria (CERN)

Contribution ID: 2

Type: **not specified**

## Workshop summary and closing

*Wednesday 6 July 2022 11:30 (30 minutes)*

**Presenter:** SEIDEL, Mike

Contribution ID: 3

Type: **not specified**

## CLIC power consumption

*Monday 4 July 2022 14:00 (30 minutes)*

**Presenter:** GRUDIEV, Alexej (CERN)

**Session Classification:** Setting the picture

Contribution ID: 4

Type: **not specified**

## HE klystrons technologies

*Tuesday 5 July 2022 09:00 (30 minutes)*

**Presenter:** SYRATCHEV, Igor (CERN)

**Session Classification:** High efficiency Klystrons

Contribution ID: 5

Type: **not specified**

## Review of computer codes for the klystrons design

*Tuesday 5 July 2022 09:30 (30 minutes)*

**Presenter:** CAI, Jinchi (Lancaster University (GB))

**Session Classification:** High efficiency Klystrons

Contribution ID: 6

Type: **not specified**

## FCC HE TS klystron development

*Tuesday 5 July 2022 10:00 (30 minutes)*

**Presenter:** ZAIB UN NISA, Zaib Un Nisa (CERN)

**Session Classification:** High efficiency Klystrons

Contribution ID: 7

Type: **not specified**

## Discussion

*Wednesday 6 July 2022 11:00 (30 minutes)*



Contribution ID: 8

Type: **not specified**

## Discussion

*Tuesday 5 July 2022 17:30 (30 minutes)*

Contribution ID: 9

Type: **not specified**

## Discussion

*Monday 4 July 2022 17:30 (30 minutes)*

Contribution ID: **10**

Type: **not specified**

## **PSI RF consumption**

*Monday 4 July 2022 14:30 (30 minutes)*

**Presenter:** PEDROZZI, Marco

**Session Classification:** Setting the picture

Contribution ID: **11**

Type: **not specified**

## **LHC Status and plans**

*Monday 4 July 2022 15:00 (30 minutes)*

**Presenters:** CATALAN LASHERAS, Nuria (CERN); BRUNNER, Olivier (CERN)

**Session Classification:** Setting the picture

Contribution ID: 12

Type: **not specified**

## Efficiency, Electrical Grid Power Quality and Pulse Quality of ESS Modulators

*Monday 4 July 2022 16:00 (30 minutes)*

**Presenters:** DE ALMEIDA MARTINS, Carlos; MARTINS, Carlos (European Spallation Source)

**Session Classification:** Setting the picture

Contribution ID: 13

Type: **not specified**

## ESS RF power generation

*Monday 4 July 2022 16:30 (30 minutes)*

**Presenter:** MARRELLI, chiara (ESS)

**Session Classification:** Setting the picture

Contribution ID: 14

Type: **not specified**

## CSM HE LHC klystron. THALES

*Tuesday 5 July 2022 11:00 (30 minutes)*

**Presenter:** BEUNAS, Armel

**Session Classification:** High efficiency Klystrons

Contribution ID: 15

Type: **not specified**

## **50 MW Xband HE klystron program. CPI**

*Tuesday 5 July 2022 11:30 (30 minutes)*

**Presenter:** KIMURA, Takuji (Communications Power Industries)

**Session Classification:** High efficiency Klystrons



Contribution ID: 16

Type: **not specified**

## CEPC high efficiency klystron status

*Tuesday 5 July 2022 12:00 (30 minutes)*

**Presenter:** ZUSHENG, Zhou

**Session Classification:** High efficiency Klystrons

Contribution ID: 17

Type: **not specified**

## **X-band HE klystron development. Canon Electron Tubes & Devices**

*Tuesday 5 July 2022 12:30 (30 minutes)*

**Presenter:** ANNO, Toshiro (CETD)

**Session Classification:** High efficiency Klystrons

Contribution ID: **18**

Type: **not specified**

## SC solenoids for Klystrons

*Tuesday 5 July 2022 17:00 (30 minutes)*

**Presenter:** BORONAT, Marçà (CERN)

**Session Classification:** Magnetrons

Contribution ID: **19**

Type: **not specified**

## **IOTS in ESS**

*Tuesday 5 July 2022 15:00 (30 minutes)*

**Presenter:** MARRELLI, chiara (ESS)

**Session Classification:** IOTs and Tubes

Contribution ID: 20

Type: **not specified**

## **CERN SPS Tetrodes, high efficient system at the end**

*Tuesday 5 July 2022 14:00 (30 minutes)*

**Presenter:** MONTESINOS, Eric (CERN)

**Session Classification:** IOTs and Tubes

Contribution ID: 21

Type: **not specified**

## Magnetrons in FNAL

**Session Classification:** Magnetrons

Contribution ID: 22

Type: **not specified**

## **High Efficiency Source Development at CCR. Lawrence Ives (Calabazas Creek)**

*Tuesday 5 July 2022 16:00 (1 hour)*

**Presenter:** IVES, Lawrence (Calabazas Creek Research, Inc)

**Session Classification:** Magnetrons

Contribution ID: 23

Type: **not specified**

## SSA developments at SOLEIL

*Wednesday 6 July 2022 09:00 (30 minutes)*

**Presenter:** DIOP, Massamba

**Session Classification:** Solid State Amplifiers



Contribution ID: 24

Type: **not specified**

## SSA in ESRF

**Session Classification:** Solid State Amplifiers

Contribution ID: 25

Type: **not specified**

## **CERN SPS SSPA, high efficient system at the end**

*Wednesday 6 July 2022 09:30 (30 minutes)*

**Presenter:** MONTESINOS, Eric (CERN)

**Session Classification:** Solid State Amplifiers

Contribution ID: 26

Type: **not specified**

## **SSA in LCLS.**

**Presenter:** CHRIS, Nantista (SLAC)

**Session Classification:** Solid State Amplifiers

Contribution ID: 27

Type: **not specified**

## **New RF Amplifiers based on GaN Semiconductors**

*Wednesday 6 July 2022 10:00 (30 minutes)*

**Presenter:** DANCILA, Dragos

**Session Classification:** Solid State Amplifiers

Contribution ID: **28**

Type: **not specified**

## Workshop Dinner

*Tuesday 5 July 2022 19:00 (2 hours)*

Contribution ID: 29

Type: **not specified**

## Radiofrequency Power station in ESS

*Tuesday 5 July 2022 14:30 (30 minutes)*

**Presenter:** Mr KUMAR, Manish (ESS)

**Session Classification:** IOTs and Tubes

Contribution ID: 30

Type: **not specified**

## **Comparison of ESS modulators with other pulse transformer based modulators**

*Monday 4 July 2022 17:00 (30 minutes)*

**Presenter:** COLLINS, Max

**Session Classification:** Setting the picture