

# **EnEfficient RF Sources**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## High efficiency work in context

*Tuesday 3 June 2014 09:45 (30 minutes)*

**Presenter:** Dr JENSEN, Erk (CERN)

**Session Classification:** Session 1

Contribution ID: 1

Type: **not specified**

## **Recent High Power RF Source Developments at SLAC National Accelerator Laboratory**

*Tuesday 3 June 2014 10:15 (30 minutes)*

**Presenter:** NEILSON, Jeffrey (SLAC)

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## **Review of developments in klystron technology**

*Tuesday 3 June 2014 10:45 (30 minutes)*

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

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## **High efficiency (>70%) in the high (>1.0) micropervance klystrons**

*Tuesday 3 June 2014 11:45 (30 minutes)*

**Presenter:** Mr PEAugER, Franck (CEA / DAPNIA / SACM)

**Session Classification:** Session 2

Contribution ID: 4

Type: **not specified**

## **Multiple beam klystrons using double convergent electron guns with periodic permanent magnet (PPM) focusing.**

*Tuesday 3 June 2014 12:15 (30 minutes)*

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

**Session Classification:** Session 2

Contribution ID: 5

Type: **not specified**

## **X-band high RF power testing at CERN**

*Tuesday 3 June 2014 12:45 (30 minutes)*

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

**Session Classification:** Session 2

Contribution ID: 6

Type: **not specified**

## **Experience with the development and operation of high efficiency MBKs**

*Tuesday 3 June 2014 14:15 (30 minutes)*

**Presenter:** CHOROBA, Stefan (DESY)

**Session Classification:** Session 3



Contribution ID: 7

Type: **not specified**

## **Tetrodes are Efficient**

*Tuesday 3 June 2014 14:45 (30 minutes)*

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

**Session Classification:** Session 3

Contribution ID: 8

Type: **not specified**

## **Magnetrons for Accelerators**

*Tuesday 3 June 2014 15:45 (30 minutes)*

**Presenter:** DEXTER, Amos (Lancaster University)

**Session Classification:** Session 4

Contribution ID: 9

Type: **not specified**

## **Tetrodes for FREIA & ESS Spoke Linac: An Efficient Choice!**

*Tuesday 3 June 2014 16:15 (30 minutes)*

**Presenter:** YOGI, Rutambhara Avinash (ESS)

**Session Classification:** Session 4

Contribution ID: **10**

Type: **not specified**

## **Development of a multiple beam IOT at 352 MHz.**

*Wednesday 4 June 2014 09:00 (30 minutes)*

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

**Session Classification:** Session 5

Contribution ID: **11**

Type: **not specified**

## **IOTs for ESS**

*Wednesday 4 June 2014 09:30 (30 minutes)*

**Presenter:** JENSEN, Morten (European Spallation Source)

**Session Classification:** Session 5

Contribution ID: 12

Type: **not specified**

## **Operational experience of high-power RF at Diamond Light Source**

*Wednesday 4 June 2014 10:00 (30 minutes)*

**Presenters:** BOGUSZ, Aleksander (Diamond Light Source); MARTEN, Peter (Diamond Light Source)

**Session Classification:** Session 5

Contribution ID: 13

Type: **not specified**

## **Development of high power solid-state amplifiers at Siemens**

*Wednesday 4 June 2014 11:00 (30 minutes)*

**Presenter:** SHARKOV, Georgy

**Session Classification:** Session 6

Contribution ID: 14

Type: **not specified**

## **Solid State Amplifier at FREIA**

*Wednesday 4 June 2014 11:30 (30 minutes)*

**Presenter:** DANCILA, Dragos

**Session Classification:** Session 6



Contribution ID: 15

Type: **not specified**

## **SOLEIL operational experience with SSA's**

*Wednesday 4 June 2014 12:00 (30 minutes)*

**Presenter:** MARCHAND, patrick (Synchrotron-SOLEIL)

**Session Classification:** Session 6

Contribution ID: 16

Type: **not specified**

## **Significant increase of efficiency of Solid State Amplifiers due to improved ACDC conversion and adaption of P1 point to actual operating power**

*Wednesday 4 June 2014 12:30 (30 minutes)*

**Presenter:** PUPETER, Nico

**Session Classification:** Session 6

Contribution ID: 17

Type: **not specified**

## **Efficient (and not so efficient) klystron work at Lancaster University**

*Tuesday 3 June 2014 16:45 (20 minutes)*

**Presenter:** LINGWOOD, Chris (Lancaster Univeristy)

**Session Classification:** Session 4