

Welcome

Some information



Workshop on efficient RF sources

4–6 Jul 2022
Chateau de Bossey
Europe/Zurich timezone



Overview

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Following a series of successful workshops on the initiative of the EUCARD and ARIES EU-funded programs, we would like to announce the next Workshop on Efficient RF sources to be held in Chateau de Bossey (Geneva, Switzerland) on the 4-5-6 July 2022. The workshop is part of the I.FAST initiative for "**Sustainable concepts and technologies**"

The workshop is aimed at displaying the recent advances on energy efficient technology for RF sources mainly used in accelerators. As in previous events, we expect a number of experts from public and private sector to participate in the meeting and the discussions around the efficiency of klystrons, IOTS, Solid state amplifiers and RF systems in general.

Organizing Committee Chairs: Nuria Catalan Lasheras (CERN), Mike Seidel (PSI)

Scientific Committee Chair: Igor Syrathev

[Processing of Personal Data at CERN: OC11](#)



Starts 4 Jul 2022, 09:00

Ends 6 Jul 2022, 14:00

Europe/Zurich



Chateau de Bossey

Chemin Chenevière 2, 1279 Bogis-Bossey, Switzerland



Igor Syrathev

Mike Seidel

Nuria Catalan Lasheras



There are no materials yet.



Registration

You are registered for this event.

[See details >](#)

Two half days

Mon 04/07

12:00	Welcome lunch	
13:00	Chateau de Bossey	12:00 - 13:30
	Introduction to the workshop	Nuria Catalan Lasheras Chateau de Bossey 13:50 - 14:00
14:00	CLIC power consumption	Alexej Grudiev Chateau de Bossey 14:00 - 14:30
	PSI RF consumption	Marco Pedrozzi Chateau de Bossey 14:30 - 15:00
15:00	LHC Status and plans	Nuria Catalan Lasheras et al. Chateau de Bossey 15:00 - 15:30
	Coffe Break	Chateau de Bossey 15:30 - 16:00
16:00	Efficiency, Electrical Grid Power Quality and Pulse Quality of ESS Modulators	Carlos De Almeida Martins et al. Chateau de Bossey 16:00 - 16:30
	ESS RF power generation	chiara marrelli Chateau de Bossey 16:30 - 17:00
17:00	Comparison of ESS modulators with other pulse transformer based modulators	Max Collins Chateau de Bossey 17:00 - 17:30
	Discussion	Chateau de Bossey 17:30 - 18:00
18:00		

Wed 06/07

09:00	SSA developments at SOLEIL	Massamba D/OP Chateau de Bossey 09:00 - 09:30
	SSA in ESRF	Chateau de Bossey 09:30 - 10:00
10:00	CERN SPS SSPA, high efficient system at the end	Eric Montesinos Chateau de Bossey 10:00 - 10:30
	Coffe Break	Chateau de Bossey 10:30 - 11:00
11:00		
	New RF Amplifiers based on GaN Semiconductors	Dragos Dancila Chateau de Bossey 11:30 - 12:00
12:00	Discussion	Chateau de Bossey 12:00 - 12:30
	Workshop summary and closing	Mike Seidel Chateau de Bossey 12:30 - 13:00
13:00	Lunch Break	Chateau de Bossey 13:00 - 14:00
14:00		

And a full tuesday

Tue 05/07

09:00	HE klystrons technologies	<i>Igor Syrathev</i>
	<i>Chateau de Bossey</i>	09:00 - 09:30
	Review of computer codes for the klystrons design	<i>Jinchi Cai</i>
	<i>Chateau de Bossey</i>	09:30 - 10:00
10:00	FCC HE TS klystron development	<i>Zaib Un Nisa Zaib Un Nisa</i>
	<i>Chateau de Bossey</i>	10:00 - 10:30
	Coffee Break	
	<i>Chateau de Bossey</i>	10:30 - 11:00
11:00	CSM HE LHC klystron. THALES	<i>Armel Beunas</i>
	<i>Chateau de Bossey</i>	11:00 - 11:30
	50 MW Xband HE klystron program. CPI	<i>Takuji Kimura</i>
	<i>Chateau de Bossey</i>	11:30 - 12:00
12:00	CEPC high efficiency klystron status	<i>Zhou Zusheng</i>
	<i>Chateau de Bossey</i>	12:00 - 12:30
	X-band HE klystron development. Canon Electron Tubes & Devices	<i>Toshiro Anno</i>
	<i>Chateau de Bossey</i>	12:30 - 13:00
13:00	Lunch Break	

	<i>Chateau de Bossey</i>	13:00 - 14:00
14:00	CERN SPS Tetrodes, high efficient system at the end	<i>Eric Montesinos</i>
	<i>Chateau de Bossey</i>	14:00 - 14:30
	Radiofrequency Power station in ESS	<i>Mr Manish Kumar</i>
	<i>Chateau de Bossey</i>	14:30 - 15:00
15:00	IOTS in ESS	<i>chiara.marrelli</i>
	<i>Chateau de Bossey</i>	15:00 - 15:30
	Coffee Break	
	<i>Chateau de Bossey</i>	15:30 - 16:00
16:00	High Efficiency Source Development at CCR. Lawrence Ives (Calabazas Creek)	<i>Lawrence Ives</i>
	<i>Chateau de Bossey</i>	16:00 - 17:00
17:00	SC solenoids for Klystrons	<i>Marçà Boronàt</i>
	<i>Chateau de Bossey</i>	17:00 - 17:30
	Discussion	
	<i>Chateau de Bossey</i>	17:30 - 18:00
18:00		

WIFI and Zoom

- Wifi: Bossey – Open
- ZOOM session only available for Tuesday morning as some speakers are overseas.
 - You can join from the indico page once registered
- CEDT presentation will happen through MS teams. Link in the materials of the talk

A large, stylized graphic on the right side of the slide. It features the words "ON AIR" in a bold, white, sans-serif font with a slight 3D effect. The text is set against a horizontal band of red and orange gradient, which is part of a larger circular graphic element that also includes dark brown and black sections.



Discussions

- Please stay on time to allow time for discussions
- Gerardo, Chiara, Nuria and Markus, will make sure.
- We encourage you to take your discussions to coffee and lunch breaks



Diner

- Workshop diner will take place on Tuesday as a «cocktail dinatoire».
- Please, let me know if you do not intend to assist or if you plan to bring somebody along



Transport

- A bus has been organized to bring people back to CERN from where it is easy to join the city/airport/railway
 - A transport back to CERN Wednesday 6 July will leave Chateau de Bossey at 2pm.
- Please, let me know if you need to intend to use it or we may cancel it!

thanks