

# **CERN & J-PARC/KEK high power beam workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Welcome J-PARC

*Friday, 11 October 2024 09:00 (10 minutes)*

**Presenter:** KOBAYASHI, Takashi (J-PARC)

**Session Classification:** Introduction session

Contribution ID: 2

Type: **not specified**

## Introduction of this workshop

*Friday, 11 October 2024 09:10 (10 minutes)*

**Presenter:** SAKASHITA, Ken (J-PARC)

**Session Classification:** Introduction session

Contribution ID: 3

Type: **not specified**

## Overview of J-PARC accelerator

*Friday, 11 October 2024 09:20 (20 minutes)*

**Presenter:** SATO, Yoichi (J-PARC)

**Session Classification:** Introduction session

Contribution ID: 4

Type: **not specified**

## Overview of CERN accelerators

*Friday, 11 October 2024 09:40 (20 minutes)*

**Presenter:** GILARDONI, Simone (CERN)

**Session Classification:** Introduction session

Contribution ID: 5

Type: **not specified**

## **Resonance correction and optical adjustments aimed at reducing beam loss in FX at J-PARC**

**Presenter:** YASUI, Takaaki (J-PARC)

**Session Classification:** Introduction session

Contribution ID: 6

Type: **not specified**

## **Resonance correction and optical adjustments aimed at reducing beam loss in FX at J-PARC**

*Friday, 11 October 2024 10:00 (15 minutes)*

**Presenter:** YASUI, Takaaki (J-PARC)

**Session Classification:** Session

Contribution ID: 7

Type: **not specified**

## The RadMon system at CERN

*Friday, 11 October 2024 10:35 (20 minutes)*

**Presenter:** DANZECA, Salvatore (CERN)

**Session Classification:** Session



Contribution ID: 8

Type: **not specified**

## **RADMON related activities at J-PARC**

*Friday, 11 October 2024 10:55 (20 minutes)*

**Presenter:** OHMORI, Chihiro (J-PARC)

**Session Classification:** Session

Contribution ID: 9

Type: **not specified**

## **J-PARC proton beam irradiation facility**

*Friday, 11 October 2024 10:15 (20 minutes)*

**Presenter:** MEIGO, Shin-ichiro (J-PARC)

**Session Classification:** Session

Contribution ID: **10**

Type: **not specified**

## **Beam monitor (BLM, profile monitor, BPM processing) at J-PARC**

*Friday, 11 October 2024 11:40 (15 minutes)*

**Presenter:** SATO, Kenichiro (J-PARC)

**Session Classification:** Session

Contribution ID: 11

Type: **not specified**

## **BIF at neutrino beamline**

*Friday, 11 October 2024 11:55 (15 minutes)*

**Presenter:** FRIEND, Megan (J-PARC)

**Session Classification:** Session

Contribution ID: 12

Type: **not specified**

## **BI @ 2nd Workshop for CERN/JPARC-KEK collaboration**

*Friday, 11 October 2024 12:10 (20 minutes)*

**Presenter:** GILARDONI, Simone (CERN)

**Session Classification:** Session

Contribution ID: 13

Type: **not specified**

## **J-PARC neutrino beamline super-conducting magnet radiation hard diode**

*Friday, 11 October 2024 14:00 (15 minutes)*

**Presenter:** SASAKI, Ken-ichi (J-PARC)

**Session Classification:** Session

Contribution ID: 14

Type: **not specified**

## **RaDIATE collaboration and AD target collaboration**

*Friday, 11 October 2024 14:15 (15 minutes)*

**Presenter:** MAKIMURA, Shunsuke (J-PARC)

**Session Classification:** Session

Contribution ID: 15

Type: **not specified**

## **Bent Silicon Crystal Application at CERN (remote)**

*Friday, 11 October 2024 14:30 (20 minutes)*

**Presenter:** SALVATORE ESPOSITO, Luigi (CERN)

**Session Classification:** Session



Contribution ID: 16

Type: **not specified**

## **RF fundamental Power Couplers, Ti metalisation at CERN**

**Session Classification:** Session

Contribution ID: 17

Type: **not specified**

## **RF fundamental Power Couplers, Ti metalisation at J-PARC**

*Friday, 11 October 2024 15:10 (15 minutes)*

**Presenter:** MORISHITA, Takatoshi (J-PARC)

**Session Classification:** Session

Contribution ID: **18**

Type: **not specified**

## **Radiation hard amplifiers at CERN (remote)**

*Friday, 11 October 2024 15:25 (20 minutes)*

**Presenter:** GEMMI, Giulia (CERN)

**Session Classification:** Session

Contribution ID: 19

Type: **not specified**

## High Frequency FINEMET cavity developments

*Friday, 11 October 2024 15:45 (20 minutes)*

**Presenter:** OHMORI, Chihiro (J-PARC)

**Session Classification:** Session

Contribution ID: 20

Type: **not specified**

## **RF (amplifier, LLRF etc) at J-PARC**

*Friday, 11 October 2024 16:30 (20 minutes)*

**Presenter:** TAMURA, Fumihiko (J-PARC)

**Session Classification:** Session

Contribution ID: 21

Type: **not specified**

## **HL-LHC high-power RF system at CERN (remote)**

*Friday, 11 October 2024 16:50 (20 minutes)*

**Presenter:** CIPOLLA, Gino (CERN)

**Session Classification:** Session

Contribution ID: 22

Type: **not specified**

## **SRF cavities at CERN (remote)**

*Friday, 11 October 2024 17:10 (20 minutes)*

**Presenter:** VENTURINI, Walter (CERN)

**Session Classification:** Session

Contribution ID: 23

Type: **not specified**

# Copper full-seamless substrate cavity manufactured by hydroforming

*Friday, 11 October 2024 17:30 (15 minutes)*

**Presenter:** YAMANAKA, Masashi (KEK)

**Session Classification:** Session



Contribution ID: 24

Type: **not specified**

## **Fast extraction and Eddy current fast pulsed septum at J-PARC**

*Saturday, 12 October 2024 09:00 (15 minutes)*

**Presenter:** ISHII, Koji (J-PARC)

**Session Classification:** Session

Contribution ID: 25

Type: **not specified**

## Slow extraction R&D at CERN

*Saturday, 12 October 2024 09:15 (20 minutes)*

**Presenter:** ALEXANDER FRASER, Matthew (CERN)

**Session Classification:** Session

Contribution ID: 26

Type: **not specified**

## **Slow extraction (major challenges and prospects) at J-PARC**

*Saturday, 12 October 2024 09:35 (20 minutes)*

**Presenter:** MUTO, Ryotaro (J-PARC)

**Session Classification:** Session

Contribution ID: 27

Type: **not specified**

## **Beam Dump Facility at CERN and targetry technologies**

**Presenter:** CALVIANI, Marco (CERN)

**Session Classification:** Session

Contribution ID: 28

Type: **not specified**

## **J-PARC neutrino beamline horn**

*Saturday, 12 October 2024 10:20 (20 minutes)*

**Presenter:** SEKIGUCHI, Tetsuro (J-PARC)

**Session Classification:** Session

Contribution ID: 29

Type: **not specified**

## **J-PARC HD dump**

*Saturday, 12 October 2024 10:40 (20 minutes)*

**Presenter:** AGARI, Keizo (J-PARC)

**Session Classification:** Session

Contribution ID: 30

Type: **not specified**

## **CERN's Beam Intercepting Devices: status, challenges and potential links with JPARC developments**

*Saturday, 12 October 2024 11:00 (35 minutes)*

**Presenter:** CALVIANI, Marco (CERN)

**Session Classification:** Session

Contribution ID: **31**

Type: **not specified**

## **MR abort dump upgrade**

*Saturday, 12 October 2024 11:35 (15 minutes)*

**Presenter:** SHIRAKATA, Masashi (J-PARC)

**Session Classification:** Session



Contribution ID: 32

Type: **not specified**

## **Beam Dump Facility at CERN and Targetry Technologies**

*Saturday, 12 October 2024 13:20 (20 minutes)*

**Presenter:** XIMENES, Rui (CERN)

**Session Classification:** Session

Contribution ID: 33

Type: **not specified**

## **J-PARC hadron production target**

*Saturday, 12 October 2024 13:40 (20 minutes)*

**Presenter:** WATANABE, Hiroaki (J-PARC)

**Session Classification:** Session

Contribution ID: 34

Type: **not specified**

## High pressure he cooling

*Saturday, 12 October 2024 14:00 (20 minutes)*

**Presenter:** MATSUBARA, Tsunayuki (J-PARC)

**Session Classification:** Session

Contribution ID: 35

Type: **not specified**

## **POPS technology at CERN (remote)**

*Saturday, 12 October 2024 15:10 (20 minutes)*

**Presenter:** BOATTINI, Fulvio (CERN)

**Session Classification:** Session

Contribution ID: **36**

Type: **not specified**

## **New MC code, Xsuite overview (remote)**

*Saturday, 12 October 2024 14:50 (20 minutes)*

**Presenter:** SALVATORE ESPOSITO, Luigi (CERN)

**Session Classification:** Session

Contribution ID: 37

Type: **not specified**

## **CERN accelerator complex renovation plan (including Energy saving) + Infrastructure (e.g. aging monitoring etc.) including NA**

*Saturday, 12 October 2024 15:50 (20 minutes)*

**Presenter:** GILARDONI, Simone (CERN)

**Session Classification:** Session

Contribution ID: **38**

Type: **not specified**

## Workshop summary

*Saturday, 12 October 2024 16:20 (15 minutes)*

**Presenters:** SAKASHITA, Ken (J-PARC); GILARDONI, Simone (CERN)

**Session Classification:** Session

Contribution ID: 39

Type: **not specified**

## **Power Converters for Energy Savings: East Area and North Area Consolidation (remote)**

*Saturday, 12 October 2024 15:30 (20 minutes)*

**Presenter:** JOSIFOVIC, Ivan (CERN)

**Session Classification:** Session



Contribution ID: 40

Type: **not specified**

## Low-Energy hadron beamline at CERN H2 beamline

*Saturday, 12 October 2024 16:10 (10 minutes)*

**Presenter:** SAKASHITA, Ken (J-PARC)

**Session Classification:** Session