

ICFA Mini-Workshop on Slow Extraction, 2022

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome address

Monday, January 24, 2022 6:00 AM (15 minutes)

Primary author: TOMIZAWA, Masahito (KEK/J-PARC)

Presenter: TOMIZAWA, Masahito (KEK/J-PARC)

Session Classification: Session 1

Contribution ID: 2

Type: **not specified**

Status and plans for SX at J-PARC

Monday, January 24, 2022 6:15 AM (25 minutes)

Primary author: TOMIZAWA, Masahito (KEK/J-PARC)

Presenter: TOMIZAWA, Masahito (KEK/J-PARC)

Session Classification: Session 2

Contribution ID: 3

Type: **not specified**

Status and plans for SX at CERN SPS

Monday, January 24, 2022 6:40 AM (25 minutes)

Primary author: KAIN, Verena (CERN)

Presenter: KAIN, Verena (CERN)

Session Classification: Session 2

Contribution ID: 4

Type: **not specified**

Status and plans for SX at CERN PS

Monday, January 24, 2022 7:05 AM (25 minutes)

Primary author: FRASER, Matthew (CERN)

Presenter: FRASER, Matthew (CERN)

Session Classification: Session 2

Contribution ID: 5

Type: **not specified**

Preparations for the SX for Mu2e at FNAL

Monday, January 24, 2022 7:30 AM (25 minutes)

Primary author: NAGASLAEV, Vladimir (FNAL)

Presenter: NAGASLAEV, Vladimir (FNAL)

Session Classification: Session 2

Contribution ID: 6

Type: **not specified**

Slow extraction of intense heavy ion beams at FAIR

Monday, January 24, 2022 7:55 AM (25 minutes)

Primary author: ONDREKA, David (GSI)

Presenter: ONDREKA, David (GSI)

Session Classification: Session 2

Contribution ID: 7

Type: **not specified**

SX overview of medical machines in Japan

Tuesday, January 25, 2022 6:00 AM (25 minutes)

Primary author: NODA, Koji (QST)

Presenter: NODA, Koji (QST)

Session Classification: Session 3

Contribution ID: 8

Type: **not specified**

Implementation of RFKO extraction at CNAO

Tuesday, January 25, 2022 6:25 AM (20 minutes)

Primary author: PULLIA, Marco (CNAO)

Presenter: PULLIA, Marco (CNAO)

Session Classification: Session 3

Contribution ID: 9

Type: **not specified**

Horizontal beam response (measurement and modeling) for extraction optimization at HIT's synchrotron

Tuesday, January 25, 2022 6:45 AM (20 minutes)

Primary author: CORTÉS, Cristopher (HIT)

Presenter: CORTÉS, Cristopher (HIT)

Session Classification: Session 3

Contribution ID: **10**

Type: **not specified**

The CERN-NIMMS initiative and the SEEIST project

Tuesday, January 25, 2022 7:05 AM (20 minutes)

Primary author: BENEDETTO, Elena (CERN)

Presenter: BENEDETTO, Elena (CERN)

Session Classification: Session 3

Contribution ID: 11

Type: **not specified**

Slow-extraction simulations for NIMMS/SEEIIST

Tuesday, January 25, 2022 7:25 AM (20 minutes)

Primary author: TAYLOR, Rebecca (CERN)

Presenter: TAYLOR, Rebecca (CERN)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

Resurrecting SX in the AGS: The Proposed High Energy Effects Testing Facility

Tuesday, January 25, 2022 7:45 AM (20 minutes)

Primary author: BROWN, Kevin (BNL)

Presenter: BROWN, Kevin (BNL)

Session Classification: Session 3

Contribution ID: 13

Type: **not specified**

Parameter survey summary

Tuesday, January 25, 2022 8:05 AM (15 minutes)

Primary author: KÜHTEUBL, Florian (MedAustron)

Presenter: KÜHTEUBL, Florian (MedAustron)

Session Classification: Session 3

Contribution ID: 14

Type: **not specified**

Characterising SX spill frequency response

Wednesday, January 26, 2022 6:00 AM (20 minutes)

Primary author: PARI, Michelangelo (CERN)

Presenter: PARI, Michelangelo (CERN)

Session Classification: Session 4

Contribution ID: 15

Type: **not specified**

Spill micro-structure investigations in SIS18: recent results

Wednesday, January 26, 2022 6:20 AM (20 minutes)

Primary author: SINGH, Rahul

Presenter: SINGH, Rahul

Session Classification: Session 4

Contribution ID: 16

Type: **not specified**

Spill structures and regulations in J-PARC

Wednesday, January 26, 2022 6:40 AM (20 minutes)

Primary author: MUTO, Ryotaro (KEK/J-PARC)

Presenter: MUTO, Ryotaro (KEK/J-PARC)

Session Classification: Session 4

Contribution ID: 17

Type: **not specified**

Using ML in Spill regulation for Mu2e

Wednesday, January 26, 2022 7:00 AM (20 minutes)

Primary author: NARAYANAN, Aakaash (FNAL)

Presenter: NARAYANAN, Aakaash (FNAL)

Session Classification: Session 4

Contribution ID: **18**

Type: **not specified**

Simulations for spill micro-structure optimization

Wednesday, January 26, 2022 7:20 AM (20 minutes)

Primary author: SORGE, Stefan (GSI)

Presenter: SORGE, Stefan (GSI)

Session Classification: Session 4

Contribution ID: 19

Type: **not specified**

Cycle-to-cycle feedback for tuning spill macro-structure

Wednesday, January 26, 2022 7:40 AM (20 minutes)

Primary author: STEINHAGEN, Ralph (GSI)

Presenter: STEINHAGEN, Ralph (GSI)

Session Classification: Session 4

Contribution ID: 20

Type: **not specified**

RF channelling with barrier buckets at the PS

Wednesday, January 26, 2022 8:00 AM (20 minutes)

Primary author: ARRUTIA, Pablo (CERN)

Presenter: ARRUTIA, Pablo (CERN)

Session Classification: Session 4

Contribution ID: 21

Type: **not specified**

First operational experience with the upgraded electrostatic septa in the SPS

Thursday, January 27, 2022 6:00 AM (20 minutes)

Primary author: BALHAN, Bruno (CERN)

Presenter: BALHAN, Bruno (CERN)

Session Classification: Session 5

Contribution ID: 22

Type: **not specified**

Status of the electrode material R&D for electrostatic septa at CERN

Thursday, January 27, 2022 6:20 AM (20 minutes)

Primary author: BORBURGH, Jan (CERN)

Presenter: BORBURGH, Jan (CERN)

Session Classification: Session 5

Contribution ID: 23

Type: **not specified**

Status and development for electric septa at J-PARC

Thursday, January 27, 2022 6:40 AM (20 minutes)

Primary author: ARAKAKI, Yoshitugu (KEK/J-PARC)

Presenter: ARAKAKI, Yoshitugu (KEK/J-PARC)

Session Classification: Session 5

Contribution ID: 24

Type: **not specified**

Status and plans for beam instrumentation for SX at CERN

Thursday, January 27, 2022 7:00 AM (20 minutes)

Primary author: RONCAROLO, Federico (CERN)

Presenter: RONCAROLO, Federico (CERN)

Session Classification: Session 5

Contribution ID: 25

Type: **not specified**

X-ray measurements for gap voltage verification

Thursday, January 27, 2022 7:20 AM (20 minutes)

Primary author: GALNANDER, Björn (GSI)

Presenter: GALNANDER, Björn (GSI)

Session Classification: Session 5

Contribution ID: 26

Type: **not specified**

Development of fast scintillators

Thursday, January 27, 2022 7:40 AM (20 minutes)

Primary author: BOUTACHKOV, Plamen (GSI)

Presenter: BOUTACHKOV, Plamen (GSI)

Session Classification: Session 5

Contribution ID: 27

Type: **not specified**

discussion

Thursday, January 27, 2022 8:00 AM (20 minutes)

Session Classification: Session 5

Contribution ID: 28

Type: **not specified**

Crystal shadowing at CERN

Friday, January 28, 2022 6:00 AM (20 minutes)

Primary author: VELOTTI, Francesco (CERN)

Presenter: VELOTTI, Francesco (CERN)

Session Classification: Session 6

Contribution ID: 29

Type: **not specified**

Bent crystals for the SPS crystal-assisted slow extraction at CERN

Friday, January 28, 2022 6:20 AM (30 minutes)

Primary author: IVANOV, Yury (CERN)

Presenter: IVANOV, Yury (CERN)

Session Classification: Session 6

Contribution ID: 30

Type: **not specified**

Simulation and beam test of diffusers for J-PARC slow extraction

Friday, January 28, 2022 6:50 AM (20 minutes)

Primary author: MUTO, Ryotaro (KEK/J-PARC)

Presenter: MUTO, Ryotaro (KEK/J-PARC)

Session Classification: Session 6

Contribution ID: **31**

Type: **not specified**

COSE at MedAustron

Friday, January 28, 2022 7:10 AM (20 minutes)

Primary author: PROKOPOVICH, Dale (MedAustron)

Presenter: PROKOPOVICH, Dale (MedAustron)

Session Classification: Session 6

Contribution ID: 32

Type: **not specified**

ML techniques for accelerator analysis (real life examples at CERN)

Friday, January 28, 2022 7:30 AM (20 minutes)

Primary author: VELOTTI, Francesco (CERN)

Presenter: VELOTTI, Francesco (CERN)

Session Classification: Session 6

Contribution ID: 33

Type: **not specified**

Accelerator control with advanced algorithms and ML

Friday, January 28, 2022 7:50 AM (20 minutes)

Primary author: KAIN, Verena (CERN)

Presenter: KAIN, Verena (CERN)

Session Classification: Session 6

Contribution ID: 34

Type: **not specified**

discussion and closing

Friday, January 28, 2022 8:10 AM (20 minutes)

Session Classification: Session 7