

# **Kick-off Meeting for I.FAST-REX Resonant EXtraction improvement**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and introduction

*Monday, 8 February 2021 13:00 (5 minutes)*

**Presenter:** FORCK, Peter (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

**Session Classification:** Status and perspectiveat existing synchrotrons

Contribution ID: 2

Type: **not specified**

## Slow extraction at CERN

*Monday, 8 February 2021 13:05 (25 minutes)*

An overview talk reviewing our facilities, requirements and future requests. We'll also summarise R&D done recently and future improvements for our machines (as well as instrumentation) as well as collaboration plans and potential time for machine development time with beam.

**Presenters:** FRASER, Matthew (CERN); KAIN, Verena (CERN)

**Session Classification:** Status and perspective at existing synchrotrons

Contribution ID: 3

Type: **not specified**

## Slow extraction at CNAO

*Monday, 8 February 2021 13:50 (45 minutes)*

**Presenter:** PULLIA, Marco (Fondazione CNAO)

**Session Classification:** Status and perspectiveat existing synchrotrons

Contribution ID: 4

Type: **not specified**

## Slow extraction from GSI SIS18 and SIS100

*Monday, 8 February 2021 14:35 (20 minutes)*

An overview of the current slow extraction mechanisms at SIS-18 and plans for SIS-100 will be discussed. The next steps towards improvements the improvement of micro-spill quality will be outlined.

**Presenter:** ONDREKA, David (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

**Session Classification:** Status and perspectiveat existing synchrotrons

Contribution ID: 5

Type: **not specified**

## Recent microspill improvement activities at SIS18

*Monday, 8 February 2021 14:55 (20 minutes)*

Outcome of experiments for micro-spill quality improvements in the past couple of year at SIS-18 will be discussed. Available instrumentation for bunched and un-bunched spill detection will be presented.

**Presenter:** SINGH, Rahul (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

**Session Classification:** Status and perspectiveat existing synchrotrons

Contribution ID: 6

Type: **not specified**

## Slow extraction from HIT

*Monday, 8 February 2021 15:15 (30 minutes)*

**Presenters:** PETERS, Andreas (Heidelberger Ionenstrahl-Therapiezentrum (HIT)); FELDMER, Eike (HIT)

**Session Classification:** Status and perspective at existing synchrotrons

Contribution ID: 7

Type: **not specified**

## Slow extraction from MedAustron

*Monday, 8 February 2021 16:15 (30 minutes)*

**Presenters:** PROKOPOVICH , Dale (MedAustron); KÜHTEUBL, Florian (MedAustron)

**Session Classification:** Status and perspectiveat existing synchrotrons



Contribution ID: 8

Type: **not specified**

## Slow extraction from MIT

*Monday, 8 February 2021 16:45 (30 minutes)*

**Presenters:** BLUMENSTEIN, Tobias (MIT); ZINK, Klemens (MIT)

**Session Classification:** Status and perspectiveat existing synchrotrons

Contribution ID: 9

Type: **not specified**

## **Discussion on requirements, achievements and challenges**

*Monday, 8 February 2021 17:15 (45 minutes)*

**Session Classification:** Status and perspectiveat existing synchrotrons

Contribution ID: **10**

Type: **not specified**

## **Plans and challenges for SEEIIST**

*Tuesday, 9 February 2021 10:00 (30 minutes)*

**Presenter:** SAPINSKI, Mariusz (CERN)

**Session Classification:** Future facilities and industrial contribution

Contribution ID: 11

Type: **not specified**

**Rf amplifier design and control, slides at:  
<https://prezi.com/view/0FN7RFaD4Polquxpqzln/>**

*Tuesday, 9 February 2021 09:30 (30 minutes)*

**Presenter:** BARTHEL, Matthias (Barthel HF-Technik)

**Session Classification:** Future facilities and industrial contribution

Contribution ID: 12

Type: **not specified**

## Transformer development at Bergoz

*Tuesday, 9 February 2021 09:00 (30 minutes)*

**Presenters:** STULLE, Frank (Bergoz Instrumentation); TOUZAIN, Etienne (Bergoz Instruments)

**Session Classification:** Future facilities and industrial contribution

Contribution ID: 13

Type: **not specified**

## **Discussion on first steps towards I.FAST-REX goals**

*Tuesday, 9 February 2021 11:00 (1 hour)*

**Session Classification:** Future facilities and industrial contribution

Contribution ID: 14

Type: **not specified**

## Recent improvements to SPS spill quality

*Monday, 8 February 2021 13:30 (20 minutes)*

More specific technical talk on spill quality work, recent improvements and understanding, some operational aspects, simulation modelling of the transfer functions (from current to spill) and future ideas for R&D.

**Presenter:** VELOTTI, Francesco (CERN)

**Session Classification:** Status and perspectiveat existing synchrotrons