

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 perspective at 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 perspective at 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)); FELDMEIER, 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 perspective at 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 perspective at 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 perspective at existing synchrotrons