Session Program

1-3 Feb 2021

7th MT meeting (virtuell)

ARD parallel Session

zoom

Tuesday 2 February

ARD parallel Session: ARD1
Session | **Location:** zoom | **Convener:** Jens Osterhoff

13:00–13:15 **ARD-ST1 - Recent Highlights and Outlook**

Speaker
Jens Knobloch

13:15–13:30 **ARD-ST2 - Recent Highlights and Outlook**

Speaker
Peter Spiller

13:30–13:45 **ARD-ST3 - Recent Highlights and Outlook**

Speaker
Erik Bruendermann

13:45–14:00 **ARD-ST4 - Recent Highlights and Outlook**

Speaker
Andreas Maier

14:00–14:15 **ATHENA - Status and Outlook**

Speaker
Ulrich Schramm

14:15–15:00 **Discussion: ST1**

14:15–15:00 **Discussion: ST4 + ATHENA**

14:15–15:00 **Discussion: ST3**

14:15–15:00 **Discussion: ST2**

15:00

15:30

ARD parallel Session: Management Board ARD
Session | **Location:** zoom | **Conveners:** Andreas Jankowiak, Jens Osterhoff

17:00

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Wednesday 3 February

09:00

ARD parallel Session: ARD2
Session | **Location:** zoom | **Convener:** Peter Michel

09:00–09:15 **Towards coherent ultrafast spectroscopy at IR-FEL**

Speaker
Sergy Kovalev

09:15–09:30

High-performance energy-variable beam dynamics for a superconducting CW heavy-ion linac

Speaker
Malte Schwarz

09:30–09:45 **Space charge compensation**

Speaker
David Ondreka

09:45–10:05

Characterization of the plasma scale length using time-resovled back-reflection spectroscopy

Speaker
Johannes Hornung

10:05–10:30 **Discussion with Malte Schwarz**

10:05–10:30 **Discussion with Sergy Kovalev**

10:05–10:30 **Discussion with Johannes Hornung**

10:05–10:30 **Discussion with David Ondreka**

10:30

10:30

ARD parallel Session: ARD3
Session | **Location:** zoom | **Convener:** Anke-Susanne Mueller

10:30–10:45 **SRF photo injector development for the European XFEL**

Speaker
Dmitry Bazyl

10:45–11:00

Successfully resolving the overheating problem of Cs2Te photocathode in the ELBE SRF gun

Speaker
André Arnold

11:00–11:15

Online detuning computation and quench detection for SRF Resonators

Speaker
Andrea Bellandi

11:15–11:35
Stabilization of proton beam performance enabling a pilot in-vivo tumor irradiation study

Speaker
Florian Kroll

11:35–12:00   **Discussion with André Arnold**

11:35–12:00   **Discussion with Florian Kroll**

11:35–12:00   **Discussion with Dmitry Bazy**

11:35–12:00   **Discussion with Andrea Bellandi**

12:00

13:00

ARD parallel Session: ARD4
Session | **Location:** zoom | **Convener:** Holger Schlarb

13:00–13:15   **Oscilllator FELs - external seeding concepts for MHz and beyond**

Speaker
Georgia Paraskaki

13:15–13:30   **Laser cooling of heavy ions at SIS100**

Speaker
Sebastian Klammes

13:30–13:45   **Critical fields of Nb3Sn**

Speaker
Sebastian Keckert

13:45–14:00
Commissioning of a SQUID-based current transformer for nA beam currents

Speaker
David Haider

14:00–14:30   **Discussion with Georgia Paraskaki**

14:00–14:30   **Discussion with Sebastian Keckert**

14:00–14:30   **Discussion with Sebastian Klammes**

14:00–14:30   **Discussion with David Haider**

14:30

14:30

ARD parallel Session: ARD5
Session | **Location:** zoom | **Convener:** Andreas Maier

14:30–14:45   **Experience with TRIBs User Operation at BESSY II**

Speaker
Markus Ries

14:45–15:00 **Bayesian optimization of a laser-plasma accelerator**

Speaker
Sören Jalas

15:00–15:15 **Machine learning activities at KIT for accelerators**

Speaker
Andrea Santamaria

15:30–16:00 **Discussion with Andrea Santamaria**

15:30–16:00 **Discussion with Sören Jalas**

15:30–16:00 **Discussion with Markus Ries**

16:00