

## HICforFAIR Workshop

### "Current Topics in Accelerator-, Astro- and Plasmaphysics"

March 10<sup>th</sup> – 16<sup>th</sup> 2019,  
St. Michael im Lungau

### Programme

#### Monday March 11<sup>th</sup> 2019

<b>Fabio Maimone</b> GSI ECRIS Upgrade	20 min
<b>Ralph Hollinger</b> 2.7 Hz Uranium Operation for FAIR	20 min
<b>Mohammed Almalki</b> Compact ECR Ion Source for Electrostatic Storage Ring at KACST	20 min
<b>Holger Höltermann</b> Overview of recent projects at BEVATECH	20 min
<b>Rudolf Tiede</b> Beam Dynamics Design of the LILac Injector	20 min
<b>Adem Ates</b> Non-invasive Diagnostics of Ion Beams in Strong Toroidal Magnetic Fields With Standard CMOS Cameras	20 min
<b>Dirk Strehl</b> Overview of Engine Development from Concept to SOP (Start of Production)	20 min

**Tuesday March 12<sup>th</sup> 2019**

<b>Uwe Niedermayer</b> Accelerator on a Chip: Scalability of Dielectric Laser Acceleration	30 min
<b>Marcus Iberler</b> IAP Plasma Physics Activities for FAIR	15 min
<b>Marius Dehmer</b> Dielektrische Barriere Entladung (DBE) / Plasmafackel	15 min
<b>Leon Geiger</b> Investigation of Electron Density During Compression of Accelerated Plasma	15 min
<b>Meiko Volknand</b> Neutroneneinfangsreaktionen am VdG Beschleuniger der Uni Frankfurt	15 min
<b>Benjamin Brückner</b> Neutronenaktivierung bei hohen Energien	15 min
<b>Jürgen Dietrich</b> Status of the Turbine Project for Relativistic Electron Coolers	15 min
Reiseimpressionen aus Kamtschatka	

**Wednesday March 13<sup>th</sup> 2019**

<b>Carl Kleffner</b> News from the FAIR pLinac	30 min
<b>Huifang Wang</b> Hochfrequenzabstimmungen des Leiter-RFQ für den FAIR Proton-Linac	15 min
<b>Marc Syha</b> RFQ Designs with PARMTEQm / RFQGen	20 min
<b>Anja Seibel</b> Status (C)CH-Cavities of the FAIR pLinac	20 min
<b>Serban Udrea</b> The Beam Diagnostics Test Bench for the pLinac Accelerator at GSI	15 min
<b>Daniel Koser</b> Development of a New CW RFQ for the HLI	20 min
<b>Maximilian Schütt</b> TBA	15 min

**Thursday March 14<sup>th</sup> 2019**

**Klaus Knie**

Accelerator Mass Spectrometry: Live Iron-60 from Supernovae on Earth and Moon 30 min

**Ulrich Ratzinger**

Medical Accelerators 30 min

**Florian Dziuba**

Status und Ausblick des GSI cw-Linacs 20 min

**Malte Schwarz**

Beam Dynamics Design for the Superconducting Heavy Ion Accelerator CW-LINAC 15 min

**Markus Basten**

Cavity Developments and Measurements on the CW Heavy Ion LINAC @ GSI 15 min

**Thorsten Conrad**

Cavity Designs for the CH3 to CH11 of the Superconducting Heavy Ion Accelerator CW-LINAC 15 min

**Nils Petry**

Further HOM-Coupler Design for FCC 15 min

**Friday March 15<sup>th</sup> 2019**

<b>Jürgen Struckmeier</b> Gravitational Waves	30 min
<b>Giuliano Franchetti</b> Coherent vs. Incoherent Effects	15 min
<b>Marc Jebramcik</b> Moving Long-range Beam-beam Encounters in Heavy-ion Colliders	15 min
<b>Ezgi Sunar</b> RF Power and Signal Transmission in Particle Accelerators	30 min