

HICforFAIR Workshop

**"Current Topics in Accelerator-, Astro- and Plasmaphysics",
March 11th - 17th 2018, Haus Bergkranz, Riezlern**

Program

Sunday March 11th 2018

Starting time: 19:00

Ralph Hollinger

Ion Source Activities for FAIR Phase 0 and Beyond 30 min

Alexey Adonin

Development of 2.7 Hz Uranium Operation for FAIR 20 min

Rustam Berezov

Commissioning of the proton injector at CEA/Saclay 20 min

Ulrich Ratzinger

Mini Workshop Ion Sources and LEBT – Review and Some Interesting Aspects 20 min

Monday March 12th 2018

Starting time: 17:00

Fabio Maimone

Development and Operation of ECR Ion Sources at GSI 20 min

Cathrina Ullmann

Ion Beam Extraction and Particle Simulations With Particle-in-cell Code 15 min

Thorsten Conrad

Abgeschlossene Inbetriebnahme der X-EBIS am IAP 20 min

Break

Peter Forck / Piotr Kowina

Tune-Messung theoretisch und praktisch 30 min

Holger Höltermann

Status MYRRHA Injector 5.9 MeV 20 min

Klaus Kümpel

MYRRHA-RFQ 20 min

Sarah Lamprecht

MYRRHA-RFQ 15 min

Tuesday March 13th 2018

Poster Session

from 16:00 to 16:50

A list of presenters and poster titles is added at the end of this document.

Plenary Session

Starting time: 17:00

Marco Busch

TBA

20 min

Malte Schwarz

Beam Dynamics Simulations for the New Superconducting CW Heavy Ion LINAC at GSI

15 min

Markus Basten

Status of the next CH-Structures for the cw heavy ion LINAC at GSI

15 min

Break

Hendrik Hähnel

Error Studies and Fieldmap Calculations of the IH-DTL Poststripper Proposal

30 min

Jan Kaiser

Transportkanäle : Vergleich zwischen Vielteilchensimulation und Matrixformalismus

15 min

Meiko Volknand

Direct measurement of the Ru-96 (p,gamma) Rh-97 capture cross section

15 min

Marcus Iberler

TBA

20 min

Şero Zähler

Optimisation of Laser Based Sources of Electrons and Gammas for Backlighting of High Areal Density Targets at FAIR

15 min

Wednesday March 14th 2018

Starting time: 17:00

Nils Petry HOM-Coupler Design for FCC	20 min
Michael Maier Ergebnisse am gepulsten Wasserstoff Gastripper Teststand	20 min
<i>Break</i>	
Carl Kleffner Status FAIR pLinac	30 min
Maximilian Schütt TBA	20 min
Marc Syha Beam Dynamics Design for the FAIR-p-Linac-RFQ	20 min
Daniel Koser Pre-Tests on a CW RFQ Prototype for the HLI at GSI	20 min

Thursday March 15th 2018

Starting time: 17:00

Jürgen Dietrich

Status of the Turbine Project for Relativistic Electron Coolers 30 min

Serban Udrea

Commissioning of the Fluorescence Profile Monitor for the CERN e-Lens 20 min

Break

Klaus Knie

Secondary Ion Beams 30 min

Danyal Winters

Laser cooling at FAIR (HESR/SIS100) 20 min

Sebastian Klammes

Laser Spectroscopy at the Experimental Storage Ring 20 min

Chuan Zhang

Stochastic Cooling at CR for FAIR 20 min

Friday March 16th 2018

Starting time: 17:00

Jürgen Struckmeier
Regular and Chaotic Motion 30 min

Giuliano Franchetti
TBA 20 min

Break

Elena Fol
Machine Learning Methods for Optics Corrections at LHC 15 min

Sabrina Appel
Optimization of the Multi-Turn-Injection into SIS18 20 min

Kerstin Groß
Status of the ESR Barrier-Bucket LLRF System 15 min

Poster Session (Tuesday March 13th 2018)

Christopher Wagner

TBA

Nadiya Zahn

Application of a TLD-based Ten Channel System for the Spectrometry of Bremsstrahlung
Generated by Laser-matter Interaction

Kristina Zerbe

Comparison of Pulsed Power Supplies for Atmospheric Dielectric Barrier Discharge