

HICforFAIR Workshop

**"Current Topics in Accelerator-, Astro- and Plasmaphysics",
March 12th - 18th 2017, Haus Bergkranz, Riezlern**

Program

Sunday March 12th 2017

Starting time: 19:00

F. Maimone

Pulsed Mode Operation of a Frequency Tuned ECR Ion Source 20 min

H. Podlech

Der MYRRHA Injektor 20 min

W. Schweizer

Current Status of MYRRHA-Injektor Development 15 min

M. Maier

Status of the Pulsed Gasstripper Test Bench at GSI 30 min

Monday March 13th 2017

Starting time: 17:00

G. Franchetti

TBA (résumé of the Workshop “Beam Dynamics Meets Vacuum, Collimations and Surfaces”) 15 min

S. Geyer

Status of the Transverse Electron Target Activities 15 min

T. Conrad

Aktueller Stand der Cross-Over Electron Beam Ion Source 15 min

Break

F. Herfurth

The First Turn in the CRYRING@ESR Storage Ring 20 min

C. Ullmann

Simulationen der Ionenextraktion der MINIS Ionenquelle am CRYRING 15 min

M. Almalki

Development of a Low-energy Electrostatic Storage Ring Facility at KACST 20 min

H. Höltermann

Inbetriebnahme des Schwerionen-Linacs HILac für NICA 20 min

Tuesday March 14th 2017

Starting time: 17:00

H. Niebuhr

Injektion in toroidale Magnetfelder 15 min

A. Ates

Non-Invasive Optical Beam Diagnostics in Toroidal Strong Magnetic Fields with Standard CMOS Cameras 15 min

S. Udrea

A Fluorescence Profile Monitor for the CERN e-Lens 20 min

Break

O. Kester

Towards the Advanced Rare Isotope Facility - ARIEL 30 min

A. Kwiatkowski

Ion Traps for Nuclear Physics Research 30 min

J. Bai

FAIR Bunch-to-bucket Transfer System 30 min

F. Faber

Ion Beam Cancer Therapy at HIT 20 min

Wednesday March 15th 2017

Poster Session

from 16:00 to 17:00

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

Break

Plenary Session

Starting time: 17:10

A. Schönlein

Generation of keV Hot Plasma in High Contrast Laser-matter Interaction 20 min

M. Dehmer

Temperatur- und Dichtebestimmung eines Plasmawindows mittels Spektroskopie 15 min

F. Palmowski

Bestimmung des Magnetfeldgradienten in einer Spule 15 min

Break

U. Ratzinger

The Compact DTL Approach for the GSI-Unilac-Poststripper 30 min

J. Struckmeier

Fundamentals of General Relativity 45 min

U. Niedermayer

Accelerator on a Chip: Recent Developments in Dielectric Laser Acceleration 30 min

Thursday March 16th 2017

Starting time: 17:00

C. Kleffner

pLinac@FAIR: Status and Outlook

30 min

K. Knie

The FAIR pbar Chain

30 min

Break

M. Schütt

Status Update on the 3 MeV Ladder RFQ

20 min

M. Syha

PARMTEQm and RFQGen Simulations

15 min

M. Baschke

Finales rf-Design des HSI-RFQ-Upgrades an der GSI

15 min

D. Koser

Prototype Design for a Newly Revised CW RFQ for the HLI at GSI

20 min

Friday March 17th 2017

Starting time: 17:00

M. Busch

Overview of Superconducting rf Activities at IAP 15 min

M. Schwarz

Beam Dynamics Simulations for the New Superconducting CW Heavy Ion LINAC at GSI 15 min

F. Dziuba

Current Status of the Demonstrator Project at GSI 20 min

Break

M. Basten

Status and First Measurements of the CH-Structures for the cw Heavy Ion LINAC@GSI 15 min

N. Petry

Untersuchung der FRANZ CH-Struktur 15 min

Poster Session (Wednesday March 15th 2017)

R. Berezov

High Intensity Proton Injector for Facility of Antiproton and Ion Research

R. Hollinger

Production of High Current Proton Beams Using Complex H-rich Molecules at GSI

K. Groß

Test Setup for Automated Barrier Bucket Signal Generation

A. Schönlein

Investigation of Target and Projectile Fluorescence Generated in Heavy Ion-matter Interaction

S. Lauber

RF Design of IH-cavities for a Heavy Ion Hybrid Linac