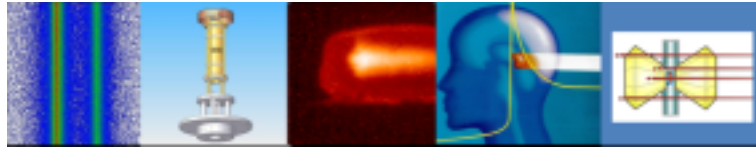


# APPA R&D Collaboration Meeting



## Report of Contributions

Contribution ID: 0

Type: **not specified**

# **Development of an Imaging X-Ray Spectrometer for Plasma Physics Experiments in the APPA Cave**

*Friday, January 13, 2017 2:30 PM (20 minutes)*

**Presenter:** KHAGHANI, Dimitri

Contribution ID: 1

Type: **not specified**

## **Laser Cooling at HESR and SIS 100: Status and Next Steps**

*Thursday, January 12, 2017 5:40 PM (20 minutes)*

**Presenter:** BUSSMANN, Michael (Helmholtz-Zentrum Dresden - Rossendorf)

Contribution ID: 2

Type: **not specified**

## **SiM-X: Silicon Microcalorimeters –Status and Perspectives**

*Friday, January 13, 2017 11:30 AM (20 minutes)*

**Presenter:** KRAFT-BERMUTH, Saskia (GSI, Darmstadt)

Contribution ID: 3

Type: **not specified**

## **Fluorescence Detectors for Laser Spectroscopy and Precision HV Measurements at CRYRING**

*Thursday, January 12, 2017 6:20 PM (20 minutes)*

**Presenter:** WINZEN, Daniel (Institut für Kernphysik, WWU Münster)

Contribution ID: 4

Type: **not specified**

## **Electron-Target Developments for CRYRING**

*Thursday, January 12, 2017 6:40 PM (20 minutes)*

**Presenter:** BRANDAU, Carsten (GSI, Darmstadt)

Contribution ID: 5

Type: **not specified**

## **Electron-Positron Pair Production in Strong Fields**

*Friday, January 13, 2017 10:20 AM (20 minutes)*

**Presenter:** BLINNE, Alexander (Theoretisch-Physikalisches Institut Jena)

Contribution ID: 6

Type: **not specified**

## Status of CRYRING

*Thursday, January 12, 2017 2:30 PM (20 minutes)*

**Presenter:** LESTINSKY, Michael (GSI, Darmstadt)



Contribution ID: 7

Type: **not specified**

# Atomic Fragmentation Dynamics Studied in Ion Storage Rings

*Thursday, January 12, 2017 3:50 PM (20 minutes)*

**Presenter:** FISCHER, Daniel (Max-Planck-Institut für Kernphysik)

Contribution ID: 8

Type: **not specified**

## **First Experiments with the Heidelberg Cryogenic Electrostatic Storage Ring CSR**

*Thursday, January 12, 2017 2:50 PM (20 minutes)*

**Presenter:** NOVOTNY, Oldrich (Max Planck Institute for Nuclear Physics)

Contribution ID: 9

Type: **not specified**

## **Addressing Material Challenges at High-Power Accelerators**

*Friday, January 13, 2017 9:40 AM (20 minutes)*

**Presenter:** TOMUT, Marilena (GSI, Darmstadt)

Contribution ID: **10**

Type: **not specified**

## **Charged-Particle-Induced Reactions for Astrophysics: from ESR to CRYRING**

*Friday, January 13, 2017 11:10 AM (20 minutes)*

**Presenter:** SLAVKOVSKA, Zuzana (Goethe-Universität Frankfurt(UFfm-IAP))

Contribution ID: 11

Type: **not specified**

## **Laser Spectroscopy at the ESR, CRYRING and SPECTRAP**

*Thursday, January 12, 2017 6:00 PM (20 minutes)*

**Presenter:** NOERTERSHAEUSER, Wilfried (TU Darmstadt)

Contribution ID: 14

Type: **not specified**

## **APPA R&D Business**

*Friday, January 13, 2017 3:10 PM (20 minutes)*

**Presenter:** SCHIPPERS, Stefan (JLU Giessen)

Contribution ID: 15

Type: **not specified**

## Welcome

*Thursday, January 12, 2017 2:00 PM (10 minutes)*

**Presenters:** TRAUTMANN, Christina (GSI, Darmstadt); SCHIPPERS, Stefan (JLU Giessen); STÖHLKER, Thomas (GSI, Darmstadt); BAGNOUD, Vincent (GSI, Darmstadt)

Contribution ID: 16

Type: **not specified**

## **Hard X-Ray and Particle Diagnostics for Day-One Experiments at FAIR**

*Thursday, January 12, 2017 5:20 PM (20 minutes)*

**Presenter:** SANDER, Steffen (IKP, TU Darmstadt)



Contribution ID: 17

Type: **not specified**

## **Development of an Actively Cooled Glass Amplifier at PHELIX**

*Friday, January 13, 2017 1:50 PM (20 minutes)*

**Presenter:** PATRIZIO, Marco

Contribution ID: **18**

Type: **not specified**

# **Mass Spectrometric Investigation of Material Sputtered Under Swift Heavy-Ion Bombardment**

*Friday, January 13, 2017 9:20 AM (20 minutes)*

**Presenter:** WUCHER, Andreas (University Duisburg-Essen)

Contribution ID: 19

Type: **not specified**

## **Irradiation Damage: The Role of Kinetic and Potential Energy**

*Friday, January 13, 2017 9:00 AM (20 minutes)*

**Presenter:** SCHLEBERGER, Marika (Universität Duisburg-Essen)

Contribution ID: 20

Type: **not specified**

## **Optical Beam Diagnostics –A Status Report**

*Friday, January 13, 2017 1:30 PM (20 minutes)*

**Presenter:** ULRICH, Andreas (TU-München, Physik-Department E12)

Contribution ID: 21

Type: **not specified**

## **X-Ray Spectroscopy with Electron Beam Ion Traps at Ultrabright Light Sources**

*Thursday, January 12, 2017 3:30 PM (20 minutes)*

**Presenter:** BERNITT, Sven (IOQ, FSU Jena)

Contribution ID: 22

Type: **not specified**

## **Pre-Studies for a Diode Pumped Regenerative Amplifier as Frontend for High Energy Nd:Glass Lasers**

*Friday, January 13, 2017 2:10 PM (20 minutes)*

**Presenter:** KÖRNER, Jörg (Institute of Optics and Quantum Electronics)

Contribution ID: 23

Type: **not specified**

## **Effect of Swift Heavy Ions on Hydrogen-Terminated Si(001)**

*Friday, January 13, 2017 10:00 AM (20 minutes)*

**Presenter:** DÜRR, Michael (Justus-Liebig-Universität Gießen(JULGi))

Contribution ID: 24

Type: **not specified**

## **Development and Optimization of X-ray Diagnostics for High-Energy-Density Relevant Experiments at FAIR**

*Friday, January 13, 2017 2:50 PM (20 minutes)*

**Presenter:** SCHÖNLEIN, Andreas (Goethe-Universität Frankfurt(UFfm))



Contribution ID: 25

Type: **not specified**

## **VUV Fluorescence Spectrometry at Heavy-Ion Storage Rings**

*Friday, January 13, 2017 12:10 PM (20 minutes)*

**Presenter:** Mr REISS, Philipp (Universität Kassel(UNI-Kassel))

Contribution ID: 27

Type: **not specified**

## **Status of the Plasma Physics Experiments in the APPA Cave**

*Thursday, January 12, 2017 3:10 PM (20 minutes)*

**Presenter:** BLAZEVIC, Abel (GSI, Darmstadt)

Contribution ID: 28

Type: **not specified**

## **maXs: Micro-Calorimeter Arrays for High Resolution X-Ray Spectroscopy at ESR, CRYRING and EBITs**

*Friday, January 13, 2017 11:50 AM (20 minutes)*

**Presenter:** FLEISCHMANN, Andreas (Uni Heidelberg)

Contribution ID: 29

Type: **not specified**

## News from FAIR

*Thursday, January 12, 2017 4:10 PM (20 minutes)*

**Presenter:** GIUBELLINO, Paolo (FAIR/GSI)

Contribution ID: **30**

Type: **not specified**

## **News from BMBF and PT-DESY**

*Thursday, January 12, 2017 2:10 PM (20 minutes)*

**Presenter:** EHRENFELD, Wolfgang (PT-DESY)

Contribution ID: 31

Type: **not specified**

## **Dynamics of an Ion Immersed in an Ultracold Buffer Gas**

*Thursday, January 12, 2017 5:00 PM (20 minutes)*

**Presenter:** WEIDEMÜLLER, Matthias (Universität Heidelberg)