

# **LIGHT - Collaboration Meeting 2016**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **The current LIGHT beamline at Z6 - Towards highest proton intensities**

Contribution ID: 2

Type: **not specified**

## **Current status of the LIGHT beamline - towards highest proton intensities**

*Monday, 26 September 2016 14:05 (20 minutes)*

**Primary author:** JAHN, Diana (GSI, Darmstadt)

**Presenter:** JAHN, Diana (GSI, Darmstadt)

**Session Classification:** LIGHT: Status quo I

Contribution ID: 3

Type: **not specified**

## **Recent Results on Ion Acceleration at LULI and Overview of the Apollon Facility**

*Tuesday, 27 September 2016 09:50 (20 minutes)*

**Presenter:** Mr BOLAÑOS, Simon (LULI)

**Session Classification:** Related Research Activities I

Contribution ID: 4

Type: **not specified**

# Implementing a Thomson Parabola for Laser-Driven Ion Acceleration

*Tuesday, 27 September 2016 13:20 (20 minutes)*

**Presenter:** Mr BRACK, Florian-Emanuel (Helmholtz-Zentrum Dresden-Rossendorf)

**Session Classification:** Diagnostics I

Contribution ID: 5

Type: **not specified**

## **Heavy Ion Beams for Isochoric Heating within the scope of LIGHT**

*Monday, 26 September 2016 15:35 (20 minutes)*

**Presenter:** DING, Johannes

**Session Classification:** LIGHT: Status quo II

Contribution ID: 6

Type: **not specified**

## **Preparation of Worldwide First Animal Irradiation Experiments with Laser-Accelerated Protons and Pulsed High-Field Magnets**

*Tuesday, 27 September 2016 09:00 (20 minutes)*

**Presenter:** Mr KROLL, Florian (Helmholtz-Zentrum Dresden - Rossendorf)

**Session Classification:** Related Research Activities I

Contribution ID: 7

Type: **not specified**

## **Focussing Laser Accelerated Protons with Permanent Magnet Quadrupoles**

*Tuesday, 27 September 2016 09:25 (20 minutes)*

**Presenter:** Mr RÖSCH, Thomas (Ludwig-Maximilians-Universität München)

**Session Classification:** Related Research Activities I

Contribution ID: 8

Type: **not specified**

## **Pulsed Ion Beams at Berkeley Lab - NDCX-II and BELLA-i**

*Tuesday, 27 September 2016 10:55 (20 minutes)*

**Presenter:** Dr SCHENKEL, Thomas (Lawrence Berkeley National Laboratory)

**Session Classification:** Related Research Activities II

Contribution ID: 9

Type: **not specified**

## **Beam Diagnostics**

*Tuesday, 27 September 2016 13:00 (20 minutes)*

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

**Session Classification:** Diagnostics I

Contribution ID: **10**

Type: **not specified**

## **Pepperpot measurements within LIGHT**

*Monday, 26 September 2016 14:25 (20 minutes)*

**Presenter:** Mr WEIH, Simon (TU Darmstadt)

**Session Classification:** LIGHT: Status quo I

Contribution ID: 11

Type: **not specified**

## **Materials research applications with high intensity laser driven proton beams**

*Monday, 26 September 2016 14:45 (20 minutes)*

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

**Session Classification:** LIGHT: Status quo I

Contribution ID: 12

Type: **not specified**

## **Neutralized Drift Compression for Short and Intense Ion Pulses**

*Tuesday, 27 September 2016 10:30 (20 minutes)*

**Presenter:** Mr ZIMMER, Marc (TU Darmstadt)

**Session Classification:** Related Research Activities II

Contribution ID: 13

Type: **not specified**

## **Enhanced TNSA Target, Magnetized Targets, Downfocusing of Final LIGHT beam, User Interest in Parametric Studies for a Coil Based Field Creation Platform**

*Tuesday, 27 September 2016 11:20 (30 minutes)*

**Presenters:** Mr BAILLY-GRANDVAUX, Mathieu (CELIA - Université de Bordeaux); Mr EHRET, Michael (TU Darmstadt)

**Session Classification:** Related Research Activities II

Contribution ID: 14

Type: **not specified**

## **Target Fabrication Techniques at TUD & Future Challenges**

*Monday, 26 September 2016 13:40 (20 minutes)*

**Presenter:** Dr SCHAUMANN, Gabriel (TU Darmstadt)

**Session Classification:** Source Optimization

Contribution ID: 15

Type: **not specified**

## **Laser-driven ion acceleration for LIGHT at HI-Jena**

*Monday, 26 September 2016 16:00 (20 minutes)*

**Presenter:** Prof. KALUZA, Malte (Helmholtz-Institute Jena)

**Session Classification:** Related Research Activities 0

Contribution ID: 16

Type: **not specified**

# Generating Intense Ion Beam with PHELIX for LIGHT

*Monday, 26 September 2016 13:15 (20 minutes)*

**Presenter:** Dr BAGNOUD, Vincent (GSI, Darmstadt)

**Session Classification:** Source Optimization