

# **LIGHT - Collaboration Meeting 2016**

Montag, 26. September 2016 - Dienstag, 27. September 2016

Monday: SB3 3.170a Seminarraum Theorie, Tuesday: KBW building  
side room

## **Buch der Abstracts**



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

LIGHT: Status quo I / 2

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

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Related Research Activities I / 3

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

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Diagnostics I / 4

### **Implementing a Thomson Parabola for Laser-Driven Ion Acceleration**

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LIGHT: Status quo II / 5

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

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Related Research Activities I / 6

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

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**Related Research Activities I / 7**

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

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**Related Research Activities II / 8**

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

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**Diagnostics I / 9**

**Beam Diagnostics**

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**LIGHT: Status quo I / 10**

**Pepperpot measurements within LIGHT**

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**LIGHT: Status quo I / 11**

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

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**Related Research Activities II / 12**

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

**Related Research Activities II / 13**

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

## **Based Field Creation Platform**

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**Source Optimization / 14**

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

**Related Research Activities 0 / 15**

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

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**Source Optimization / 16**

## **Generating Intense Ion Beam with PHELIX for LIGHT**

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