

LIGHT - Collaboration Meeting 2016

Monday 26 September 2016 - Tuesday 27 September 2016

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

Book of 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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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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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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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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Generating Intense Ion Beam with PHELIX for LIGHT

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