

## Monday, 17<sup>th</sup> September

8:15	Welcome and Registration <i>with tea and coffee</i>		
9:00	Welcome Announcement <i>Norbert Pietralla</i>	Introduction	Chair: Alexandra Tebartz
9:10	An Introduction to the Target Fabrication Workshop Series <i>Gabriel Schaumann</i>		
9:30	Target Fabrication for Laser Megajoule Experiments <i>Marc Theobald</i>		
9:50	Target Fabrication at LLNL <i>Michael Stadermann</i>		
10:10	Questions and Discussion		
10:25	Tea and Coffee		
11:00	Target Fabrication at the University of Michigan <i>Sallee Klein</i>	Micro-Target Fabrication I	Chair: Martin Tolley
11:20	Production of sub-micron Adhesion Layers for a High Power Laser Microtarget Assembly <i>Pawala Ariyathilaka</i>		
11:40	Truly isolated Targets for High Power Lasers using a Paul Trap <i>Johannes Gebhard</i>		
12:00	Questions and Discussion		
12:15	Lunch		
13:15	Cryogenic System with mK Temperature Stability and sub-micro Vibration for Solid Hydrogen Targets <i>Xiaobo Qi</i>	Cryogenics	Chair: TBA
13:35	Laser-driven Ion Acceleration with cryogenic low-Z Jet-Targets <i>Franziska Treffert</i>		
13:55	In-situ X-Ray Phase Contrast Imaging of the cryogenic Deuterium Layers in Cryotarget without turning off the G-M Cryocooler <i>Kai Wang</i>		
14:15	Questions and Discussion		
14:30	Tea and Coffee		
15:00	Improvements in the Fabrication and Characterisation of Thin Polymer Foils <i>Alexandra Tebartz</i>	Metrology	Chair: Bettina Lommel
15:20	Surface and Thickness Measurement in the Targetlab of GSI <i>Birgit Kindler</i>		
15:40	X-Ray CT as a Non-Destructive Characterisation Method for High-Power Laser Targets at the Central Laser Facility <i>Asia Hughes</i>		
16:00	Questions and Discussion		

## Tuesday, 18<sup>th</sup> September

9:00	<b>Keynote:</b> 3D-Microprinting of arbitrary Shapes with sub-micron Resolution <i>Jochen Zimmer</i>	<b>Facilities</b>	Chair: David Haddock
9:30	General Atomics Target Fabrication Update <i>Neil Alexander</i>		
9:50	Target Fabrication Support for UK Plasma Physics and Support for External Research Programs <i>Chris Spindloe</i>		
10:10	Questions and Discussion		
10:25	Tea and Coffee		
11:00	Recent Developments in Materials Science for Laser Targets at LLNL <i>Sergei O. Kucheyev</i>	<b>Micro-Target Fabrication II</b>	Chair: Mike Norman
11:20	Microstructured Silicon Targets by Ultrashort Pulse Laser Processing <i>Tina Ebert</i>		
11:40	A Progress on Nanostructured Array Targets in Nano-Plasmas Research <i>Xibo Li</i>		
12:00	Questions and Discussion		
12:15	Lunch		
13:15	The unified Sample Workflow at the European X-FEL – From Target Fabrication to Experiment <i>Carsten Deiter</i>	<b>High-Repetition-Rate</b>	Chair: Christopher Spindloe
13:35	Development of Patterned Tape-Drive Targets for High Rep-Rate HPL Experiments <i>Sam Astbury</i>		
13:55	Performance Improvement of a Hybrid Five Degree-of-Freedom Mechanism for Manipulation of High-Repetition Rate Laser Microtargets <i>Shah Karim</i>		
14:15	Questions and Discussion		
14:30	Tea and Coffee		
15:00	Poster Session		
18:00	Conference Dinner		

## Wednesday, 19<sup>th</sup> September

9:00	<b>Keynote:</b> The faulty Link between Target Suppliers and Experimentalists <i>Peter Hilz</i>	<b>From Design to Results</b>	Chair: Gabriel Schaumann
9:30	Challenges for Targetry towards high Repetition Rate laser-driven Neutron Production <i>Markus Roth</i>		
9:50	Targets for Chromatic Lensing of Laser Accelerated Particle Beams by ps-Laser Driven Transient Electromagnetic Fields <i>Michael Ehret</i>		
10:10	Questions and Discussion		
10:25	Tea and Coffee		
11:00	Target Preparation Techniques of the Targetlab of GSI <i>Bettina Lommel</i>	<b>Thin-Film Preparation</b>	Chair: Markus Roth
11:20	Double-layer Targets Design and Fabrication for Enhanced Laser driven Ion Acceleration <i>Andrea Pazzaglia</i>		
11:40	Density graded Diamond-Like Carbon (DLC) Nano-Films for use in Ion Acceleration Experiments <i>David Haddock</i>		
12:00	Questions and Discussion		
12:15	Lunch		
13:15	Clever Targets for better Beams <i>Bastian Aurand</i>	<b>Micro-Target Fabrication III</b>	Chair: Neil Alexander
13:35	Cryogenic Jet Targets for high Repetition Rate Experiments at FEL and high Power Laser Facilities <i>Sebastian Göde</i>		
13:55	Polymer electrothermal positioning Platforms for Laser Targets made of SUEX and PEEK <i>Christian Nakic</i>		
14:15	Questions and Discussion		
16:00	Afternoon Activities		

## Thursday, 20<sup>th</sup> September

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9:00	<b>Keynote:</b> Design and Fabrication of Opacity Targets for the National Ignition Facility <i>Tana Cardenas</i>		ICF  Chair: Michael Stadermann
9:30	Development of Microshells Fabrication for ICF targets at RCLF <i>Kai Du</i>		
9:50	Progress and Challenges on Fabrication of DPS Shells for ICF <i>Meifang Liu</i>		
10:10	Questions and Discussion		
10:25	Tea and Coffee		
11:00	The Mechanical Study of Capsule Support Structure with an outside Low-Density Foam Shell <i>Baibin Jiang</i>	Chemistry-based Targetry  Chair: Sergei Kucheyev	
11:20	Synthesis of Self-supported Low-density Gold Foams <i>Xibin Xu</i>		
11:40	LIGA – Lithographie, Galvanoformung, Abformung (Lithography, Electroplating, Moulding) and its potential Application to High Power Laser Science <i>Graham Arthur</i>		
12:00	Questions and Discussion		
12:15	Lunch		