Laserlab Europe

Annual Meeting 2025

International Workshop on Targets for Laser Fusion

13 May 2025

Rutherford Appleton Laboratory, Harwell Campus
Didcot, OX11 0QX United Kingdom

Agenda

Tuesday, 13 May 2025

09:30 – 11:00	• **Lubomir Hudec** (CVUT): *"Foam modelling and simulations"* • **Sébastien Le Pape** (LULI): "*Overview of recent experimental results on foam physics"* • **Nemo Sikanic** (UpNano GmbH): *"High-resolution 2PP 3D printing for the production of polymer laser targets*"
11:00 – 11:30	Coffee break
11:30 – 13:00	• **Tobias Fehrenbach** (Diamond Materials GmbH) *Diamond-Based Targets for Inertial Fusion Energy (IFE) and prospectives* • Topic: *plastic shells for LMJ experiments* (TBC) • **Mattia Cipriani** (ENEA): "*High-power laser irradiation of 3D-printed micro-structures at ENEA-ABC: simulations and experiments"*
13:00 – 14:00	Lunch
14:00 – 16:00	• **Chris Spindloe** (Scitech): *"Target mass production"* • **Gabriel Schaumann** *(Focused Energy Inc.) R&D developments of Focused Energy in Darmstadt, Germany for direct drive IFE schemes* • **Round Table discussion:** "*how to push target manufacturing at the industrial level for future experiments at high rep rate"*
16:00 – 16:30	Coffee break
16:30 – 17:30	**Presentation of the results of the parallel sessions**

Chairs

Fabrizio Consoli - Head of Laboratory of Inertial Fusion, Plasmas and Interdisciplinary Experiments at ENEA

Gabriel Schaumann - Head of Targetry at Focused Energy Inc.