

Programm der Sitzung

13.-16. Jan. 2025



LPA Special Workshop on Intelligent Systems

THRILL

Department of Physics, University of Oxford
Parks Rd, Oxford OX1 3PU, UK

Do., 16. Januar

09:00

THRILL: Contributed Session I

Sitzung | **Ort:** Department of Physics, University of Oxford, Parks Rd, Oxford OX1 3PU, UK

09:00–09:20 Uhr

Modular, Automated Beam Stabilization of the ATLAS-3000 Laser at the Centre for Advanced Laser Applications (CALA)

Sprecher

Florian Schweiger

09:25–09:45 Uhr

High-bandwidth image-based predictive laser stabilization via optimized Fourier filters

Sprecher

Joseph Natal

09:50–10:10 Uhr

Automated Minimisation and Control of Angular Dispersion

Sprecher

Pedro Oliveira

10:10–10:30 Uhr

On the road to the coherent combination of high-energy laser chains

Sprecher

Lebegue Pierre

10:30

11:00

THRILL: Contributed Session II

Sitzung | **Ort:** Department of Physics, University of Oxford, Parks Rd, Oxford OX1 3PU, UK

11:00–11:20 Uhr

Adaptive optics integration at PHELIX

Sprecher

Udo Eisenbarth

11:25–11:45 Uhr

Adaptive Optics and Control System Integration at the ATLAS-3000 Multi-Petawatt Laser System

Sprecher

Herr Leonard Doyle

11:50–12:10 Uhr

Performance of adaptive optics systems in Bivoj/DiPOLE100 multi-slab laser system (150 J / 10 Hz)

Sprecher

Jan Pilar, Martin Divoky, Tomas Paliesek

12:10–12:30 Uhr

Evolutionary optimization and long-term stabilization of a multi-stage OPCPA system

12:30	Sprecher Timo Eichner
16:00	THRILL: Contributed Session III Sitzung Ort: Department of Physics, University of Oxford, Parks Rd, Oxford OX1 3PU, UK
	16:00–16:20 Uhr Communication with Tango Sprecher Stéphane Marchand
	16:20–16:40 Uhr PLANET: A dedicated laser-driven neutron imaging system for commercial applications Sprecher Dr. Thomas Rösch
17:00	16:40–17:00 Uhr Automation status at the DRACO laser Sprecher Hans-Peter Schlenvoigt