

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

Garching Maier-Leibnitz-Kolloquium

Donnerstag, 07.07.2022, 16¹⁵ Uhr

Hörsaal der LMU in Garching, Am Coulombwall 1
Treffen zum gemeinsamen Kaffee 16 Uhr

Dr. Andreas R. Maier
(DESY, Hamburg)

Laser-Plasma Acceleration at DESY

Laser-plasma accelerators (LPA) will be at the core of next-generation accelerators and user facilities. Advancing LPA core technologies, including the development of high average power drive lasers, is an integral part of DESY's accelerator R&D.

We will discuss our roadmap for drive laser and laser-plasma R&D and present recent developments and results, including the integration of our laser-plasma accelerator in an accelerator-grade controls system; the application of machine learning techniques to improve the electron beam quality; and give an update on the development of KALDERA, DESY's flagship LPA drive laser currently under development.

Hybrid online access via ZOOM:

<https://lmu-munich.zoom.us/j/98457332925?pwd=TWc3V1JkSHpyOTBPQVIMelhuNnZ1dz09>

Meeting ID: 984 5733 2925

Passcode: 979953

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