

High-Power Lasers for Laser-Plasma Acceleration

Laser-plasma acceleration promises a next-generation compact source of electron beams for a large variety of applications. The high-power terrawatt-class lasers required to drive these machines are extremely complex and challenging. This project will address current topics in laser development for plasma accelerators. The summer student will join the laser development team spending time in the lab, performing measurements and analyzing data. The actual task will be defined based on the specific background and qualification of the student.

Field

A5: Lasers and optics (methodology oriented)

DESY Place

Hamburg

DESY Division

M

DESY Group

MLS

Special Qualifications:

Some experience with lasers is required. Coding experience (python) is a benefit.

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