Contribution ID: **77** Type: **not specified**

Development of an optical chopper for a compact FTIR instrument

The student will design, test, and validate a new setup for a compact optical chopper that will later be a part of the FTIR setup for FEL characterization and material analysis. The project involves 3D modeling, python programming, basic electronics and work with optomechanical systems. Depending on the progress of the project, this chopper will be used for absorption/transmission measurements of materials in a broadband spectral range.

Group

FS-FL-B

Project Category

A5. Lasers and optics

Special Qualifications

DESY Site

Hamburg

Primary authors: PAN, Rui (FS-FLASH-B (FLASH Photon Beamlines and Optics)); GANG, Seung-gi (FS-FLASH-B (FLASH Photon Beamlines and Optics))

Presenters: PAN, Rui (FS-FLASH-B (FLASH Photon Beamlines and Optics)); GANG, Seung-gi (FS-FLASH-B (FLASH Photon Beamlines and Optics))