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Seminar über Ultrafast Science and Technology

Referent/in: Dr. Hans Martin Frey, IAP, University of Bern

Titel: FLUPS - Fluorescence Upconversion Spectroscopy

As an addition to the existing transient absorption spectroscopy setup, a time resolved broadband fluorescence setup was installed in the FastLab of University of Bern. The seminar will describe in detail the theory and the mechanical setup of the current apparatus. Fluorescence decays in the VIS (400nm - 700nm) can be recorded. The time resolution is 170 fs and the is bandwidth of 4000 cm⁻¹ at a peak fluorescence wavelength of 19000 cm⁻¹ (525 nm) for C153. A measurement of a Benzyldifuran (BDF-TP1), a promising OLED candidate, will be presented.

Zeit: Donnerstag, 06.05.2021, 11.15 Uhr

Ort: <https://unibe-ch.zoom.us/j/95614042821>