

SP9: Seeded FLASH pulse metrology

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To characterize ultra-short pulses in the XUV regime, one can use light-field assisted THz streaking. In order to measure the pulse duration as well as the temporal contrast ratio and the degree of temporal coherence of the seeded free electron laser pulse at the sFLASH experiment at DESY, we have installed a THz streaking diagnostic setup at the end of its beam line. A streaked XUV signal has been established and first results will be presented.

Primary author: Dr AZIMA, Armin (University of Hamburg)

Co-author: Dr IVANOV, Rosen (DESY)

Presenter: Dr AZIMA, Armin (University of Hamburg)

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