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The TAF-project: Synchronized High Power Laser Experiments @ HI Jena

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A new target area is set up at the Helmholtz Institute Jena. One central aspect are combined experiments with the laser systems JETi200 and POLARIS. Additionally, a new dedicated probe laser system, JETi ONE, was installed giving the opportunity to investigate laser-plasma interactions with few-cycle laser pulse ranging from the visible to the mid infrared spectrum. To synchronize these three laser systems a timing system was installed just recently. A status of the overall project and planed experiments will be presented.

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