

Status of FLUTE

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FLUTE (Ferninfrarot Linac- Und Test-Experiment) is a compact versatile linear accelerator under construction at the Karlsruhe Institute of Technology (KIT). It serves as a platform for a variety of accelerator studies and will generate strong THz pulses for photon science. In the 7 MeV injector section, currently under commissioning, the first experiment is being set up, the Split Ring Resonator (SRR) experiment. It is based on THz streaking using a resonating ring structure to measure the longitudinal electron bunch profile. In this contribution, we report the current status in the commissioning phase of the injector section with focus on the progress of the SRR-Experiment. Furthermore, the progress from the first electron beam, generated at FLUTE, to the current status will be presented.

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