



Contribution ID: 188

Type: **Oral presentation**

## KIT facility talk

*Wednesday 7 September 2022 15:00 (25 minutes)*

This contribution reports the status of the KIT facilities and presents highlights of the KIT accelerator research in context of ARD-ST3. Our activities based on the two electron accelerators in operation, the Karlsruhe Research Accelerator (KARA) and the Ferninfrarot- Linac Und Test-Experiment (FLUTE), comprise developments of ultra-fast beam diagnostics and beam dynamics studies with corrugated structures or in new operation modes, but also include the utilisation of machine learning concepts and energy related research with regard to efficiency and grid stability. Within the cSTART project, KIT is realising a new compact storage ring for accelerator R&D both in-house and within national or even international cooperations.

### Summary

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**Session Classification:** Session 1: Facility Status Talks

**Track Classification:** Facility overviews