

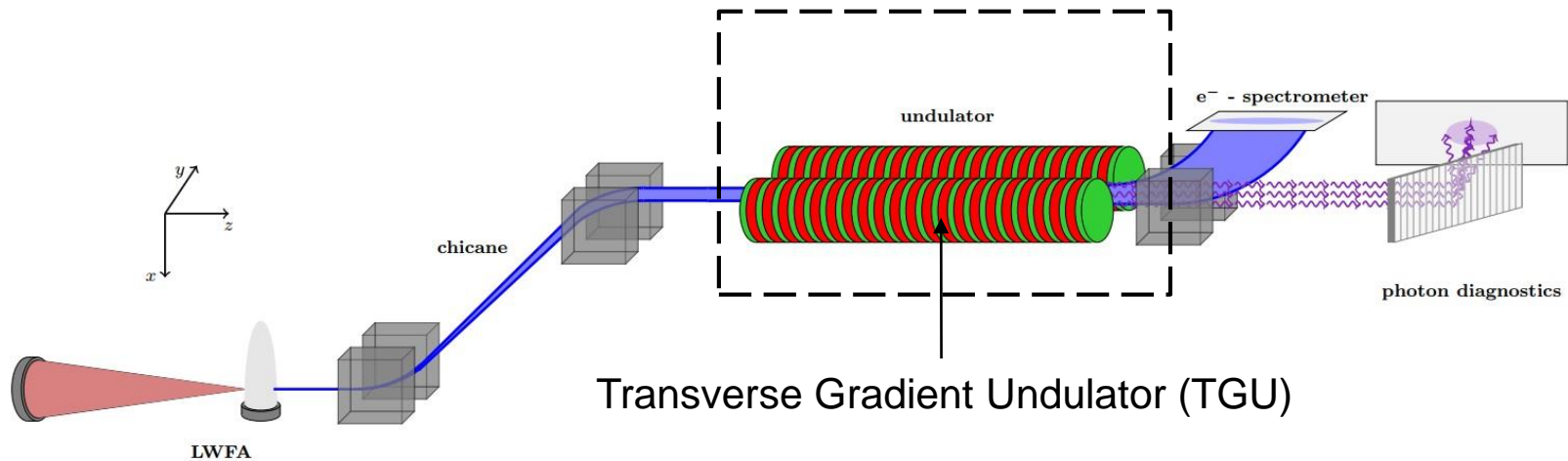
Study of a Superconducting Transverse Gradient Undulator for a Laser Plasma Accelerator-Driven FEL

Mr. Kantaphon Damminsek

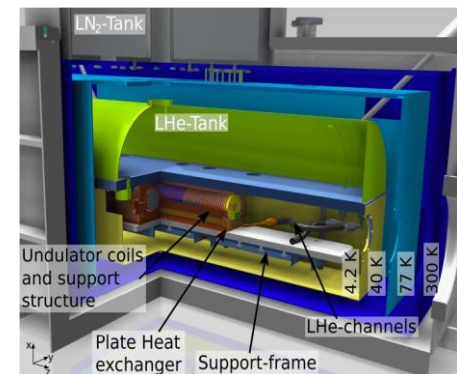
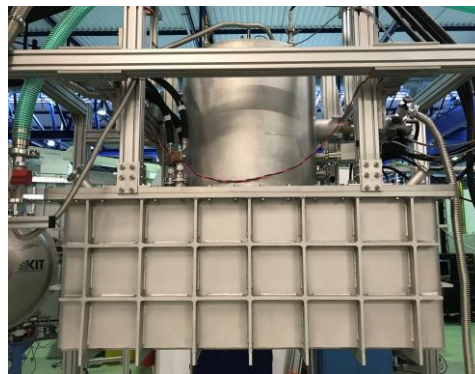
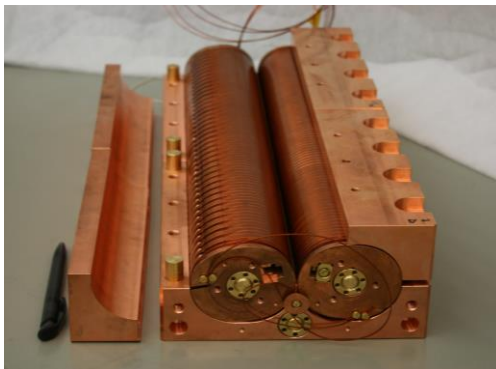
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Overview of the project



Schematic layout of a LWFA-based TGU Radiation Source
(C. Widmann, PhD thesis, KIT (2016))



Content of the poster

Introduction

- Overview of the project
- Transverse Gradient Undulator (TGU) scheme
- Designed electron beam and TGU parameters

Status of the project

- Installation of the TGU inside the cryostat
- TGU cool-down process
- Preliminary magnet powering test

Conclusion

Thank you for your attention