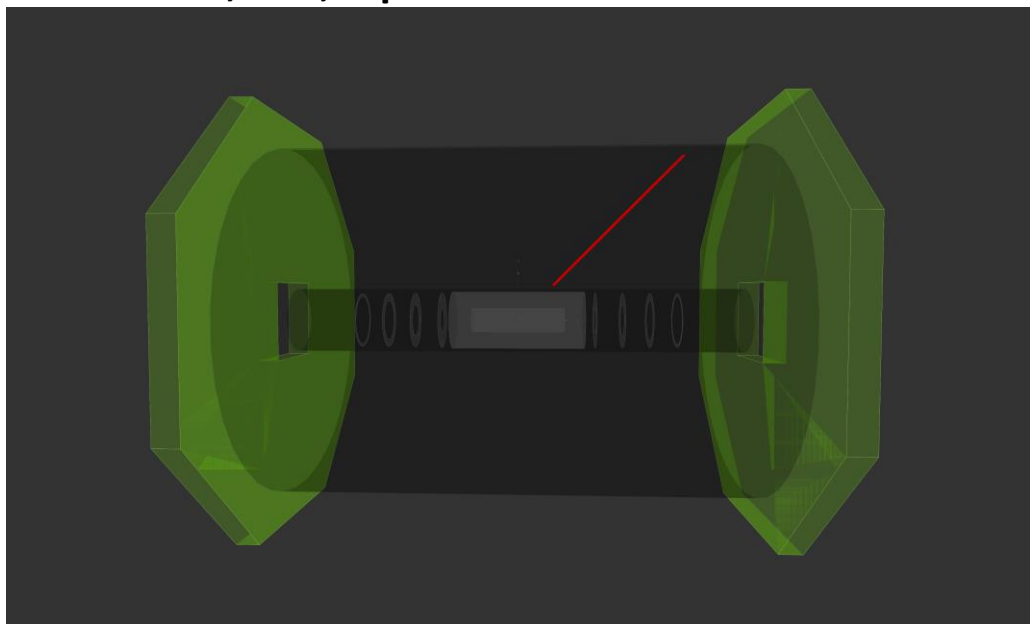
Victor Schwan (Secondee)

- 03/2024 - present**: Doctoral Researcher at DESY & University of Hamburg, Germany**
  - Topic: *Design of the Interaction Region for the ILD Detector Concept at the FCCee*
- 10/2021 - 11/2023: **M. Sc. Physics, RWTH Aachen University, Germany**
  - Thesis title: *Deep Learning Driven Measurement of Single Top Quark and Top Quark Pair Associated Higgs Boson Production at the CMS Experiment*
- 01/2020 - 09/2023: **Certificate International of RWTH Aachen University**
  - Distinguishing exceptional dedication to intercultural competence
- 08/2021 - 06/2022: **ERASMUS+ year abroad, Chalmers University of Technology, Gothenburg, Sweden**
- 10/2017 - 10/2021: **B. Sc. Physics, RWTH Aachen University, Germany**
  - Thesis title: *Data Augmentation Strategies for Deep Learning based Di-Higgs Classification at the CMS Experiment*

Secondment Overview

- 09/2024 -10/2024: **Energy Frontier Group, Institute of Particle and Nuclear Studies, KEK, Japan**
- Local scientific contact: Daniel Jeans
- **Planned research program:**
  - Adaption of the machine-detector-interface of the International Large Detector concept for future circular colliders
  - Interaction region design, studies of its impact on instrumentation and luminosity
  - Studies on machine backgrounds caused by machine-detector-interface
- **Training objectives:**
  - Familiarization with tools for detector studies and accelerator background studies
  - Seminar talk at KEK
  - Practical experience in the international and intercultural research environment
- **Impact on overall project:**
  - Acceleration of efforts to design an ILD model for future circular colliders enabling comparison with deployment at future linear colliders
- **Impact on career:**
  - Continuation and deepening of intercultural competence and hands-on experience in an international research environment