Secondee: Antonios Athanassiadis

10/2022 - present **Doctoral Researcher at DESY and University Hamburg, Germany**

Development of a Cherenkov detector for measuring non-linear Compton scattering at LUXE

→ *Designing, building and testing a detector concept for strong-field QED project LUXE*
→ *Electron detector suited for high intensity beams with 10^5 – 10^{10} electrons*

10/2019 - 09/2022 **M. Sc. Physics, Ruhr-University Bochum, Germany**

Development of a PET-System with organic scintillators

10/2016 - 09.2019 **B. Sc. Physics, Ruhr-University Bochum, Germany**

Characterization of Silicon-Photomultipliers

HELMHOLTZ

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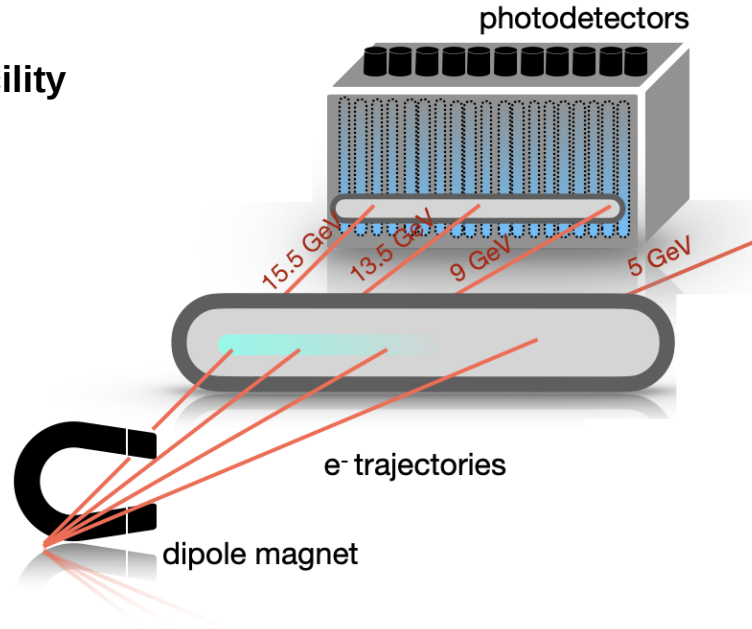
DESY.

Secondments in 2024

- **Joining the E320 group at SLAC's FACET-II accelerator facility**
  - First secondment: 18.05.2024 – 22.06.2024
  - Second secondment: 10.10.2024 – 29.11.2024

- **Completed Research Program in June:**
  - Installation of a electron detector prototype
  - Determining detectors' working point
  - Readout and analysis software developments and tests

- **Planned Research Program in October:**
  - Hardware upgrade to increased sensitivity
  - Final commissioning
  - Measuring strong-field QED effects with E320

- **Training Objectives:**
  - Detector commissioning under different beam conditions
  - Collaborative work with E320
  - Gaining knowledge of the detectors' phase space