

# Summer student 2019

1. July – 20. September

Christian Staufenbiel

Supervisor: Christoph Wiesner

# Academical background

**2015-19:** B. Sc. in Physics at University of Hannover

- Minor: Computer Science

**Thesis:** Dynamics in Thermalization of Quantum Spin Chains

- Numerical simulation for finite spin chains

- Entropy evolution and relaxation

**2018:** Summer Student at DESY (Hamburg)

- Higgs analysis for CMS Open Data portal

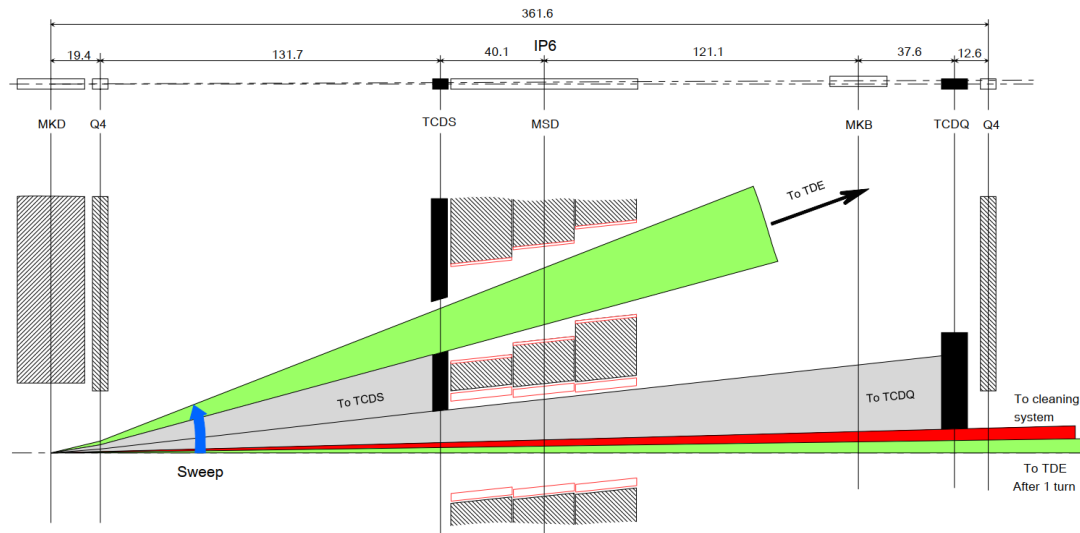
**2019:** M. Sc. in Physics at University of Copenhagen

- Quantum Information Theory

- Meteorology

# New Method to Measure the Retraction between Dump Protection Elements and Tertiary Collimators

- Aperture protection relies on correct retraction



- Analyze experimental test from October 2018
- Define acceptance conditions of validation
- Transfer method to beam 1

