# From high energy to high precision frontier (Or from the desk to the lab)

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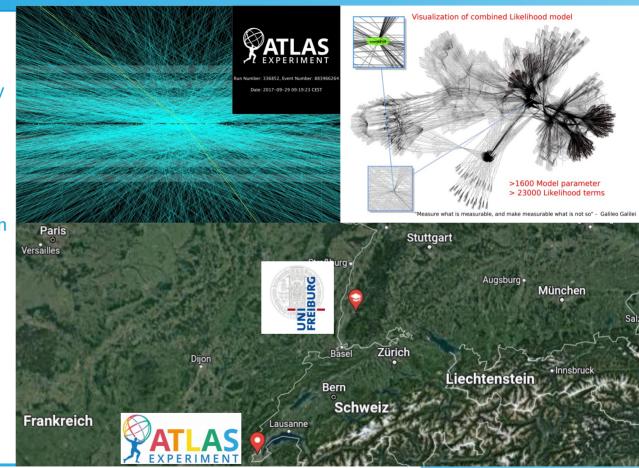






#### Before DESY

- Born at the Swiss border in the south of Germany
- Studies and PhD at University of Freiburg
- B.Sc., M.Sc. and PhD with ATLAS (CERN)
- Cross sections measurements of the Higgs boson
  - Decay into tau pair
  - Combination of diff. decay modes
- Analyst main focus on statistic and fit model



Circular pp collider

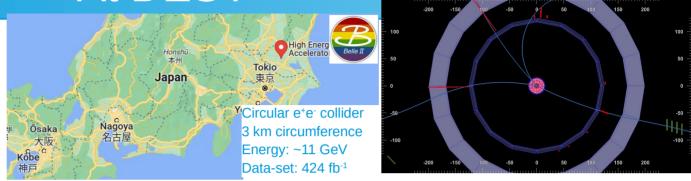
27 km circumference

Energy: Up-to 14 TeV

Data-set: 140 fb<sup>-1</sup> (until 2022)

#### At DESY

- Belle 2 at KEK in Japan
- Analysis project (currently ~10%)
  - Tau lifetime measurement
- Detector project
  - Commissioning and Installation of PXD2





### For DESY at KEK



## Bubble chamber pictures

