

Studied Particle Physics in Hamburg

PhD thesis (1996) at DESY on impact of beam-beam induced detector background in TESLA detector

- Great freedom and novel field
- Expertise in novel field led to interesting work later

Moved to CERN as fellow, later staff

- CLIC accelerator design (during whole stay)
 - main linac and drive beam design, beam-based alignment and stabilisation, collective effects, MDI, ..., finally parameters and design
- LHC (during construction)
 - electron cloud and collimation
- ILC, plasma-based colliders, LHeC, photon-photon higgs factories, ... (along the years)
- FCC-hh (from last but one to after last ESPPU)
 - Responsible for collider ring
- Muon collider (since last ESPPU)

Worked on linear colliders when I first learned about muon collider

- Not so convinced by them

Member of review committee on muon collider for last ESPPU

- Found the collider hard but could not break it
- Maybe the idea is not so bad after all ...

Change of approach make muon collider important

- Highest energies beyond linear colliders
- Technological progress

Accelerator Roadmap Panel for muon collider (after last ESPPU)

- Defined the R&D required for the next phase

Study leader