

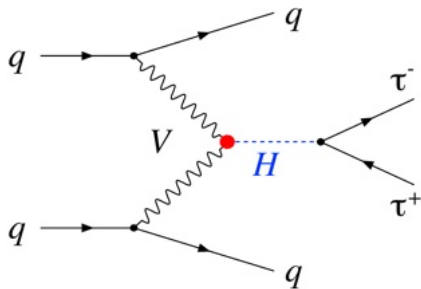
About Me

Background, past activities

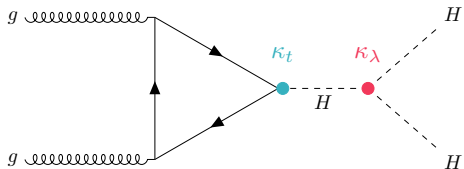
Born in Celle, Germany. One ICE hour away from Hamburg (never fails)



Studied in Göttingen, BSc-PhD. Graduated in 2021



Postdoc in Uppsala, Sweden from 2021-2023

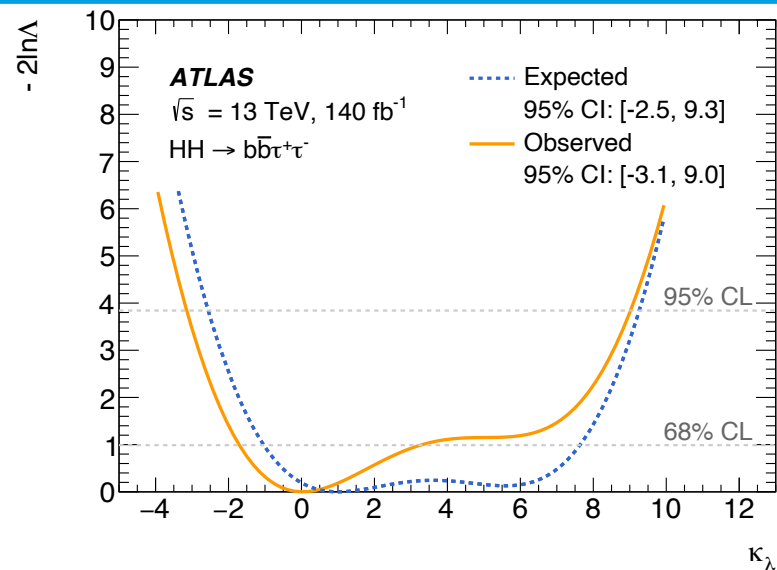


At DESY since March 2023...



My Current Work

Activities and challenges

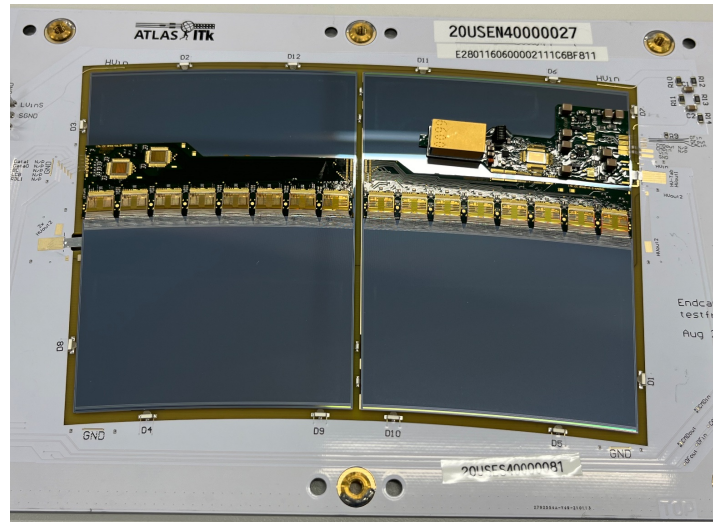
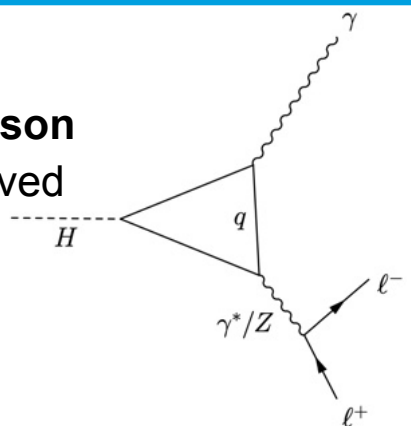


Searches for HH production

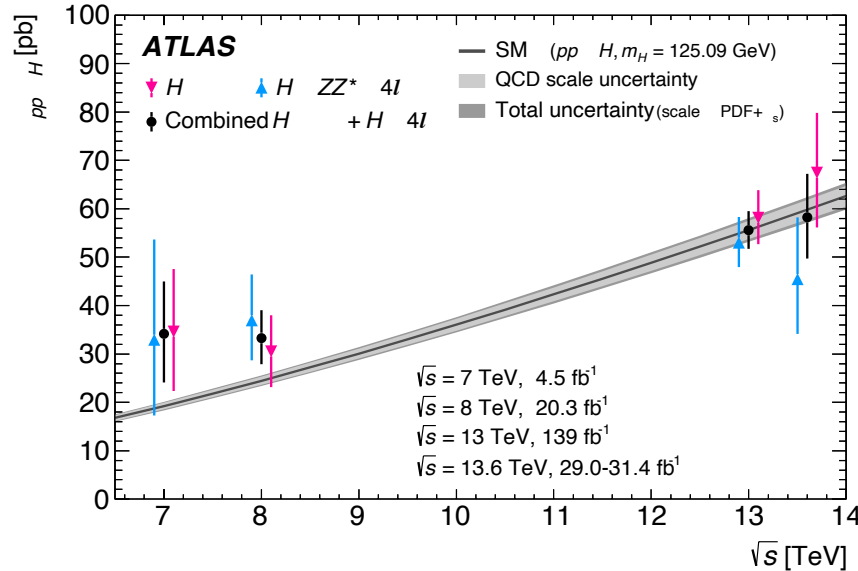
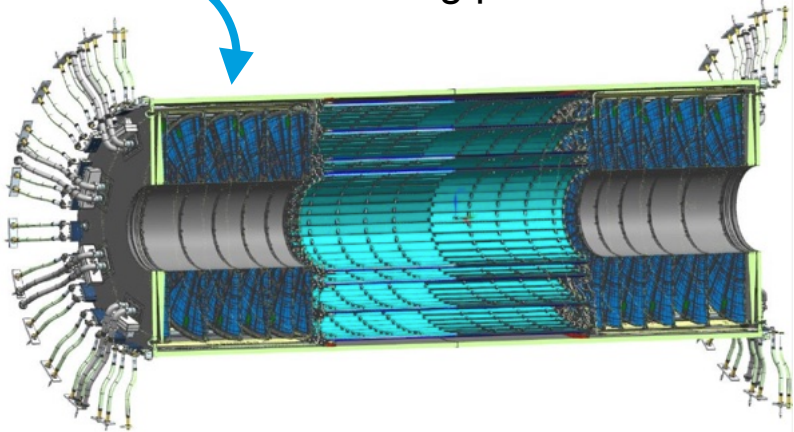
Focus on $H(\rightarrow b\bar{b})H(\rightarrow \tau^+\tau^-)$ final state

Search for rare decay of Higgs boson

$H \rightarrow \gamma^*(\rightarrow \ell^+\ell^-)\gamma$, not yet observed but evidence found during Run 2



ATLAS Inner Tracker upgrade
Building modules for strip endcap and testing performance

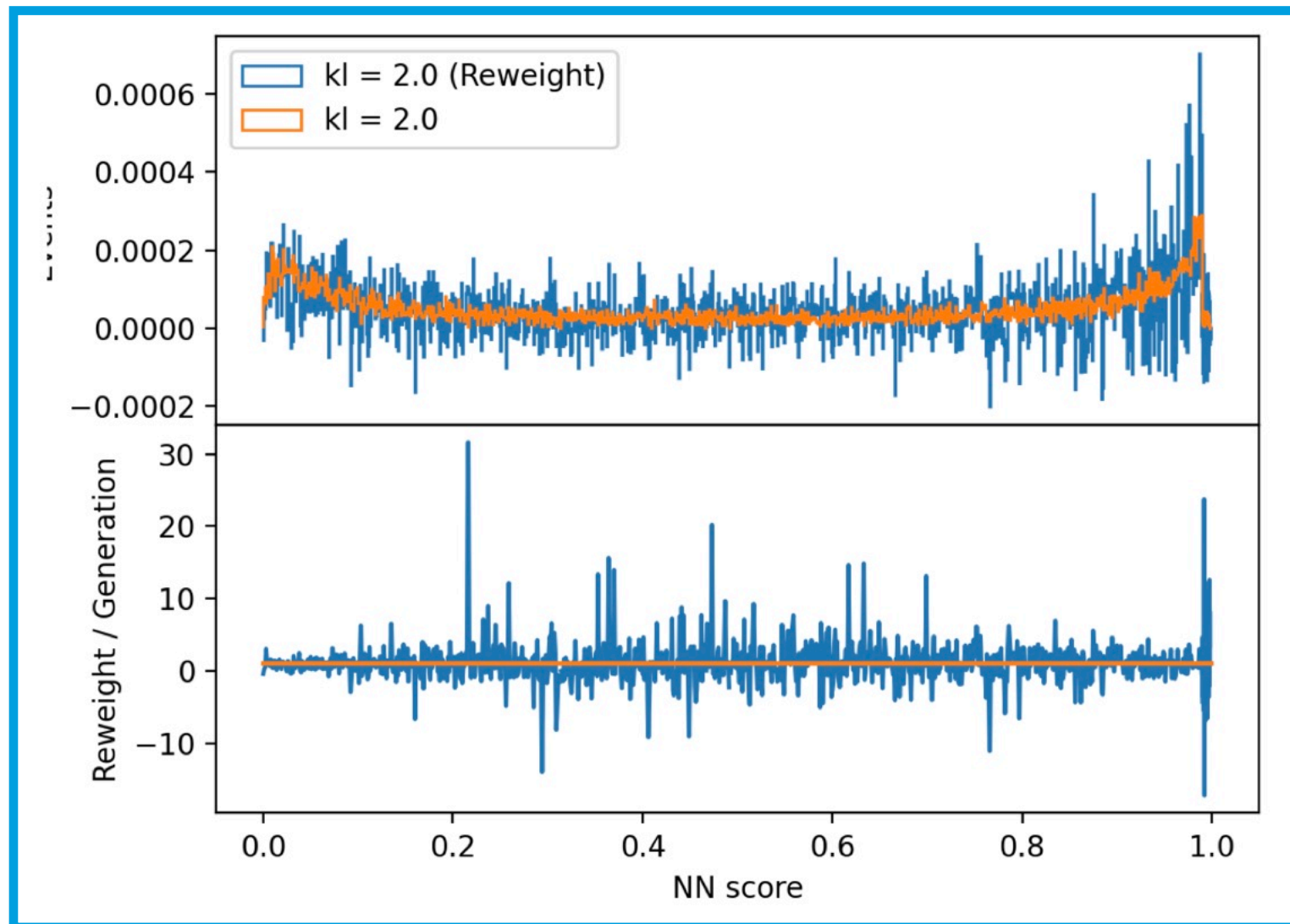


Higgs combinations
Statistical combinations of measurements in different Higgs boson final states

My Favourite Plot

Or the one question you always wanted to ask!

Flawless masterpiece! Not journal published for some reason.



My Favourite Plot

Or the one question you always wanted to ask!

Summary of 3 years in ATLAS HH group

☑ EFT interpretation

☑ Likelihood scans

☑ Cool  shape

