

# Current status

## Migration to C++

to implement the Impact parameter and the Cone/Mid method

- tau-tau jet finder processor
  - tau decay mode selection processor
  - cone and midpoint method processor
  - impact parameter processor
- almost done (There are still some warnings)
- not yet implemented

Solve some problems and implement the cone/mid method by next week.

## SMEFT

Find an interaction Lagrangian related to the  $e^-e^+ \rightarrow \tau^-\tau^+$  process from SMEFTsim\_A\_general\_MwScheme\_UFO

I have learned the basic concepts of SMEFT from Fujii-san, Kawada-san, and Fujimoto-san, but for now I still don't understand what "lorentz = [ L.FFS1, L.FFS2 ]" in vertices.py.

understand the meaning of them and write an interaction lagrangian.