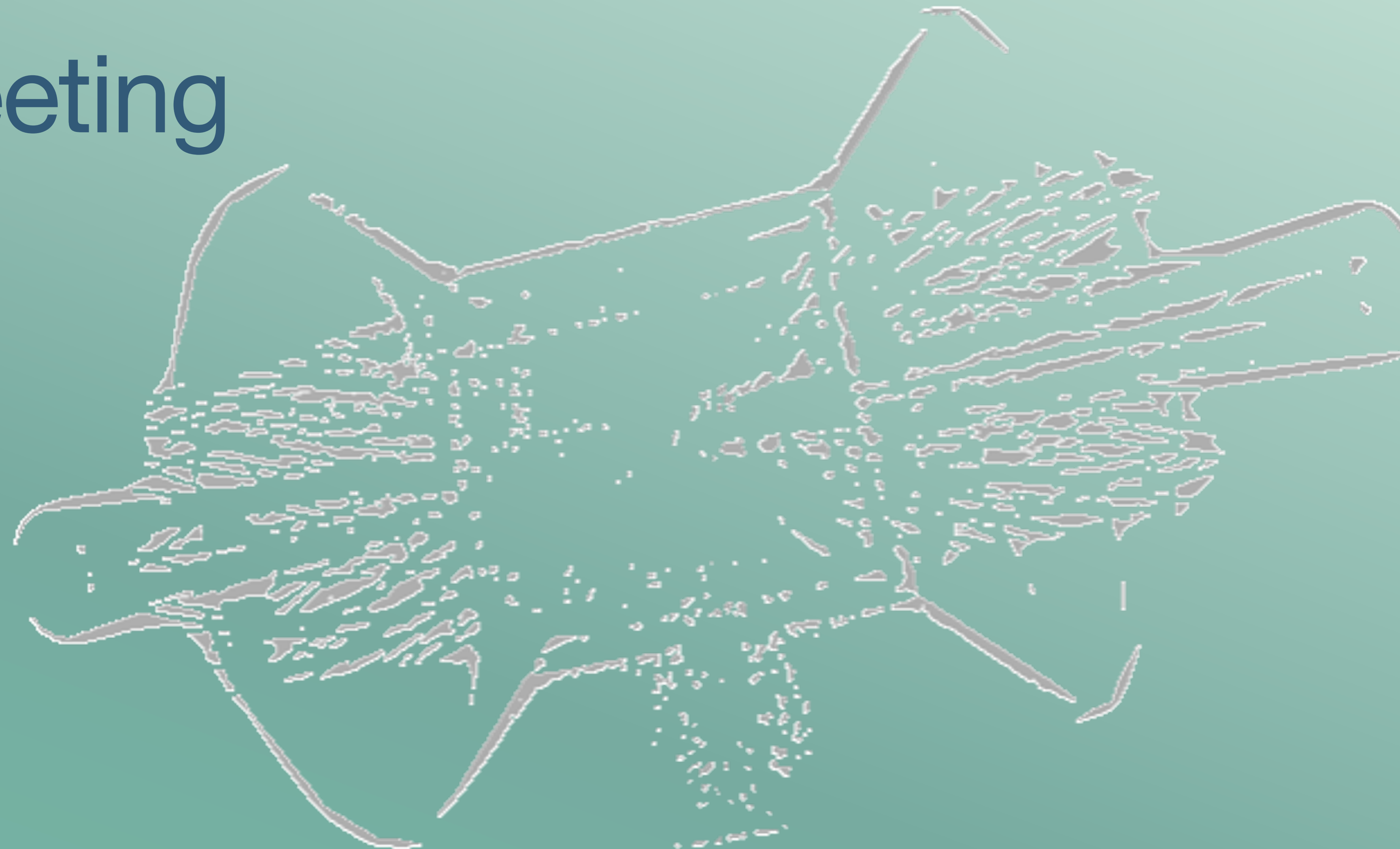




# KIT FCC meeting

March 21, 2024

**Xunwu Zuo**



# Relevant FCC news



- Feasibility report
  - Midterm report author list <https://indico.cern.ch/event/1383995/>
  - Finalize final report by end of 2024
- Major change in EDM4HEP format and FCC software
  - Will be released in a few weeks (v1.0)
  - Previous analyses (spring2021, winter2023) can run with stable version (v0.9), but no further support.
- Official production of 365 GeV samples
  - top threshold scan at 345, 350, 355, 365 GeV
  - Higgs, ZZ, WW, etc samples at 365 GeV

# Current and next activities



- Refine fits for top EWK coupling (and optimize code)
- Finalize LLP paper
- Sofia's talk at CEPC workshop
- Retraining of flavor tagger with  $t\bar{t}$  events
- Potential incoming students/projects
  - Sara,  $b \rightarrow s\nu\nu$  transition
  - Lars, tau reconstruction (for  $H \rightarrow \tau\tau$  CP and  $B_s \rightarrow \tau\tau$ )

# Future events (travels)



- April 8 - 11, CEPC Workshop, Marseille, <https://indico.in2p3.fr/event/20053/> (**Sofia**)
- April TBD, ECFA flavor workshop, CERN, link
- May 22 -24, Germany FCC community, Bonn, link (**All**)
  - And seminar by Markus at KIT
- (May 29 - 31, Higgs Charm workshop, MIT, <https://indico.cern.ch/event/1347445/>)
- (June 3 - 7, LHCP, Boston, <https://indico.cern.ch/event/1253590/>)
- June 10 - 14, FCC Week 2024, San Francisco <https://indico.cern.ch/event/1298458/>
- July 18 - 24, ICHEP 2024, Prague, <https://indico.cern.ch/event/1291157/>
- Nov 4 - 6, FCC Italy & France Workshop, Venice, <https://agenda.infn.it/event/37960/>



# Other events (no travels)



- March 22 15:00, ECFA mini-workshop, <https://indico.cern.ch/event/1387393/>
  - featuring tau reco and polarization
- April 29 14:00, ECFA LLP roundtable, <https://indico.cern.ch/event/1392179/>