

# Work this week

- Help Kato-kun's Kinematic Fitter study
  - Try to apply it to  $ZH \rightarrow (qq)(bb)$  events@250GeV
  - Check how KF works
  - Hard Constraint on Higgs mass
  - Soft Constraint on Z mass(Breit-Wigner)
  - No ISR fitting
- Sorry, cannot show full plots, but so far...
  - Most of the events reach max iteration(looks fitting is not done. )
  - Hard constraint cannot constrain thoroughly
    - There is some tail
    - due to ISR?
  - Z mass does not create clear peak
  - Now check inside the fitter and events