### top yukawa coupling measurement

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# tbW background

- we have decided to expand the tt background to include tbW process to incorporate the non-resonant contribution
  - -e+e->tt->bWbW
  - e+e- > W\*W -> tbW -> bWbW
  - e+e- > WWZ -> WWbb ( <- NOT included )</p>
    - at least one top is required to be on-shell



## tbW samples

- TBWStudy event generator was written by K. Fujii
- event generation was done by R. Yonamine

- (P\_e-, P\_e+) = (-1.0, 0.0): 4419286 events

- (P\_e-, P\_e+) = (+1.0, 0.0): 4575641 events

I count 4998277 events... this will be checked

## cut optimization

# IWLC cut values



these cuts will be reoptimized.

### thrust

