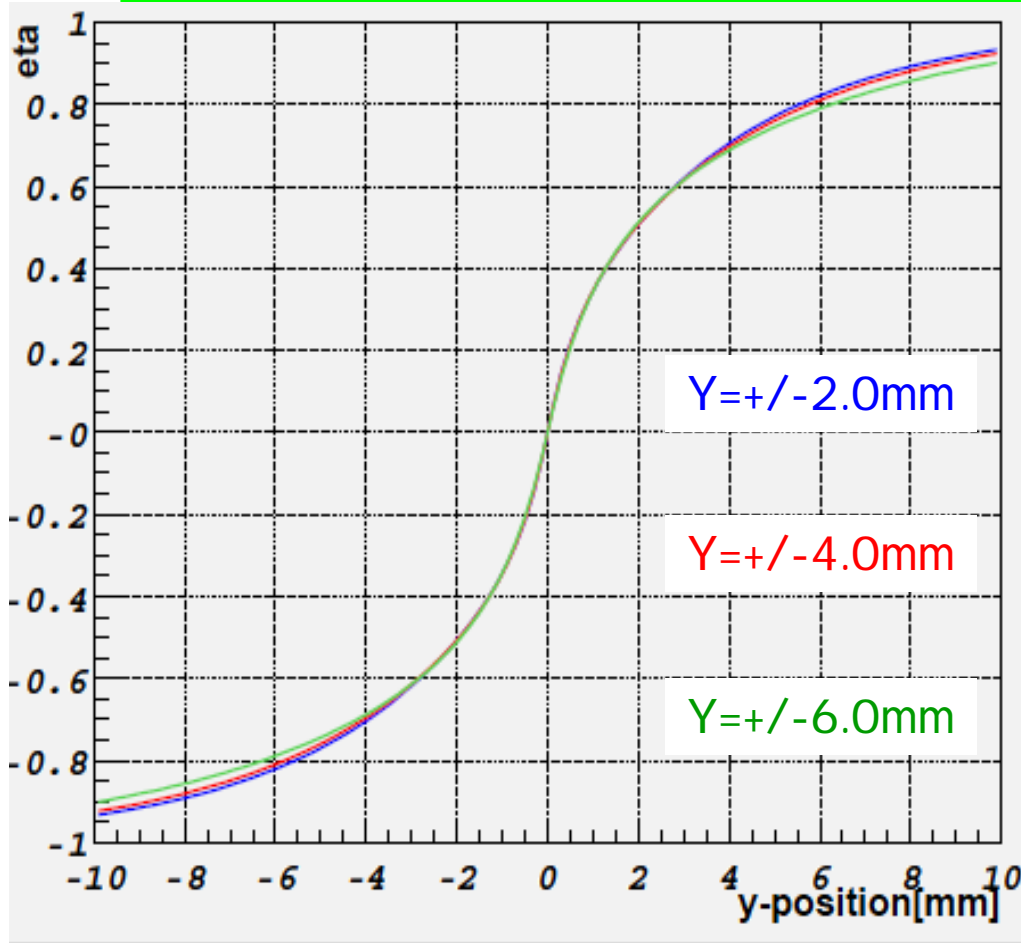# TPOL offline status

Tokyo metropolitan Univ.

Osamu Ota

- Tablescan
- Study on the y-range dependence of parameters.
- Summary & Future plan.

# tablescan

- 27th.Apr.2004
- Scan range
  - y=-5.0mm~+5.0mm.
  - 0.5mm step.

The eta-y curves are almost same, although fitting range is different.

Study of y-range dependence

- Purpose.
  - To check stability of the offline method against y.
    - To see this, the y-range used in the offline method was varied.

- Data used to extract eta-y fitting parameters.
  - Silicon/Fiber.(7th.Mar.2004)
  - table scan(27th.Apr.2004)

- CAL Data sample for offline method.
  - 7th.Mar.2004.
    - Check y-range dependence with one data sample
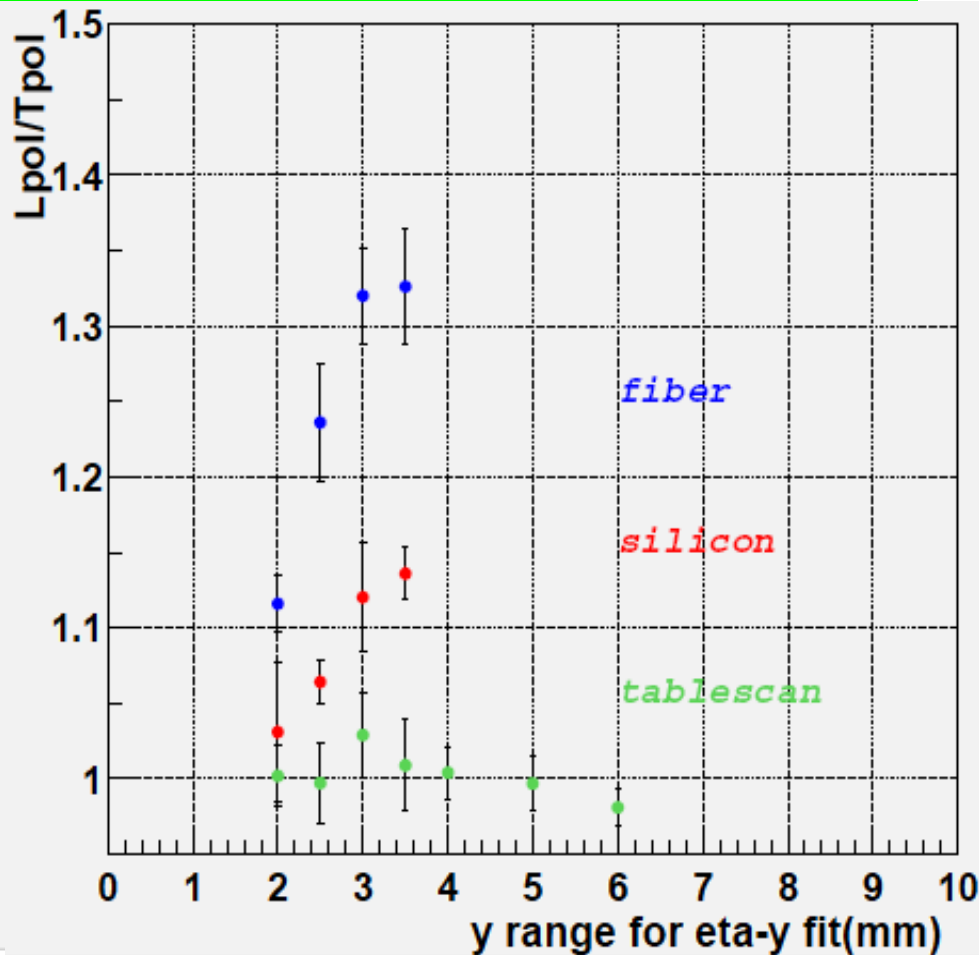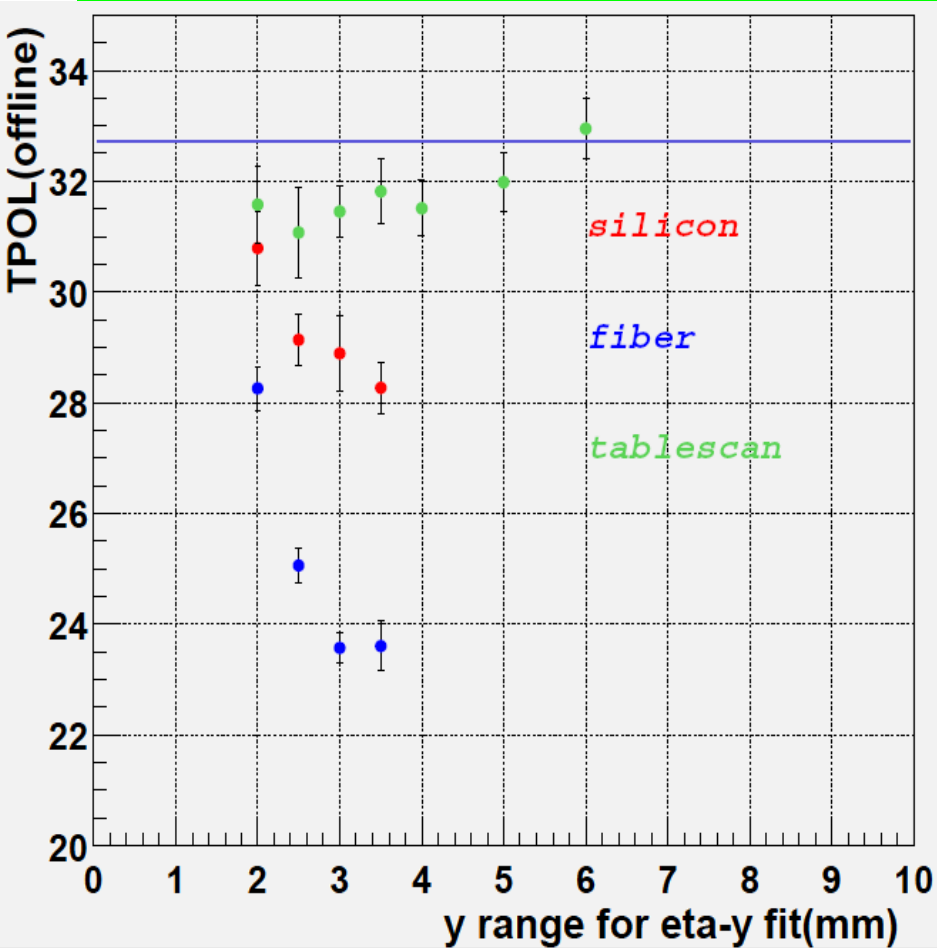
Offline fit with eta-y fixed
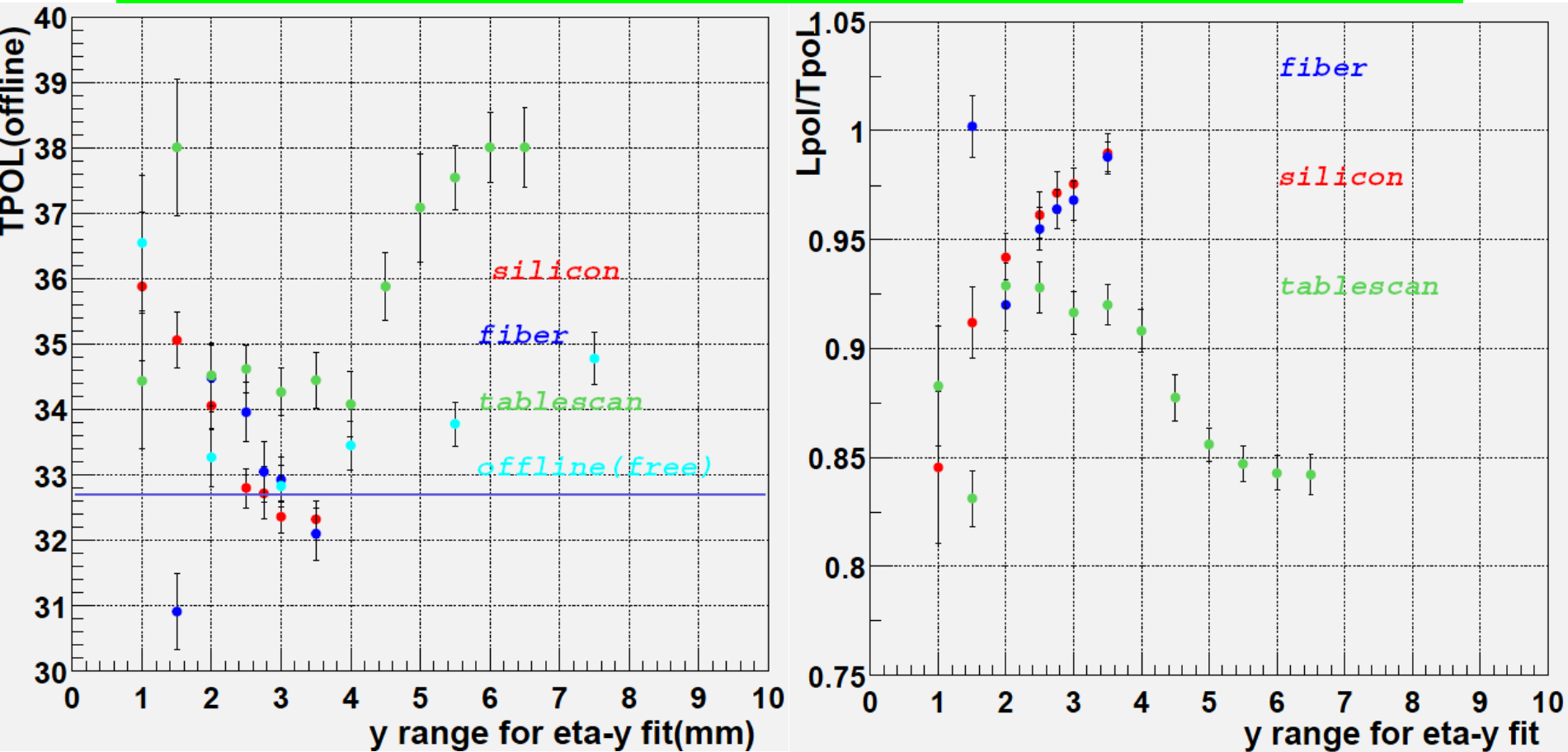
Parameters obtained from offline method aren't stable in y-range,although eta-y curves are almost same.
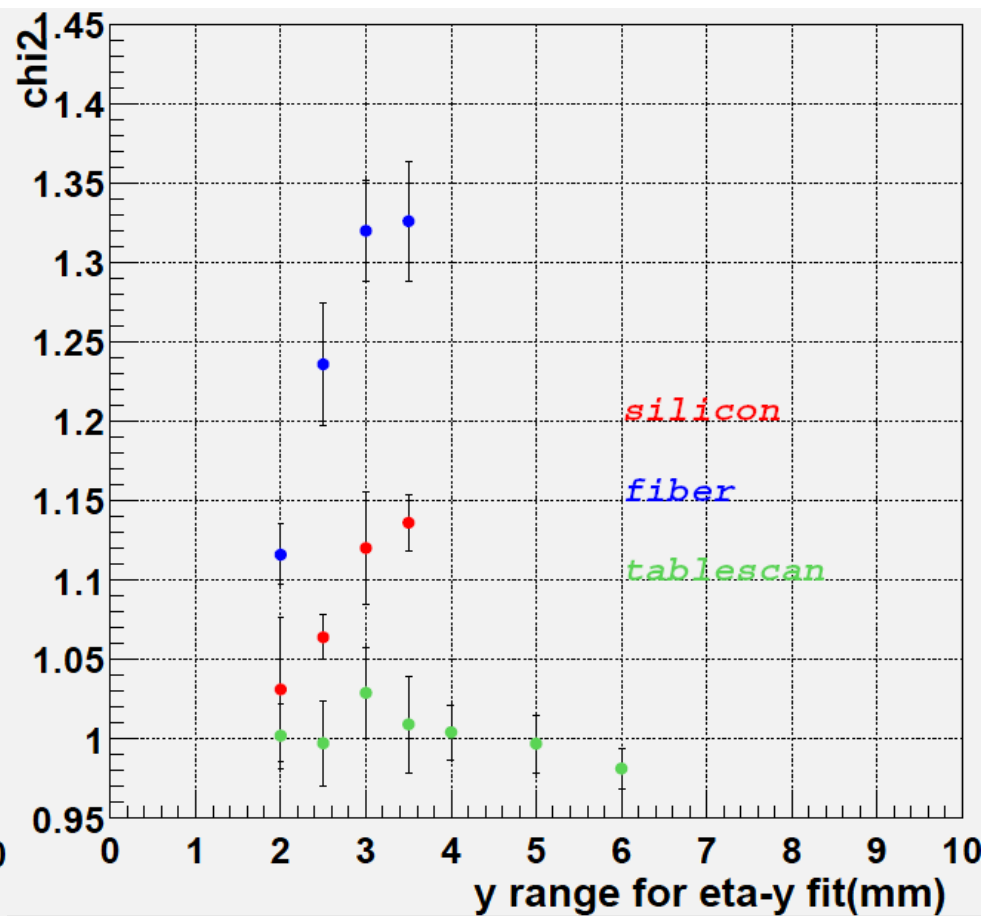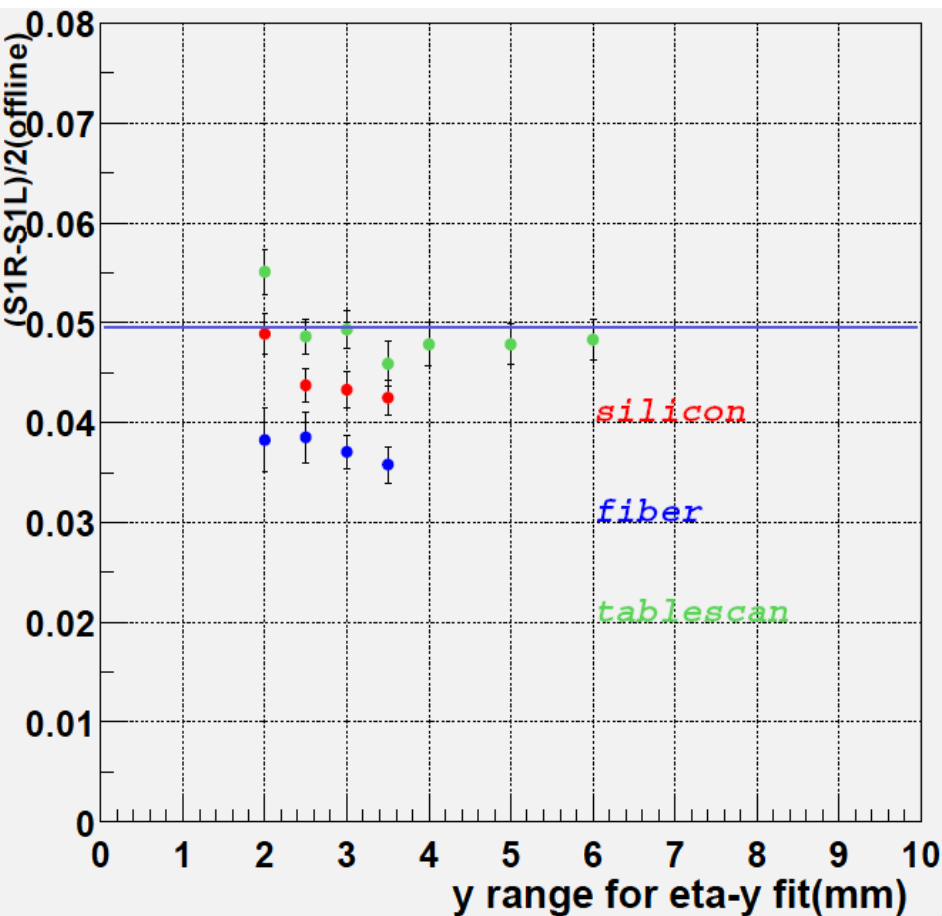
Offline fit with eta-y fixed
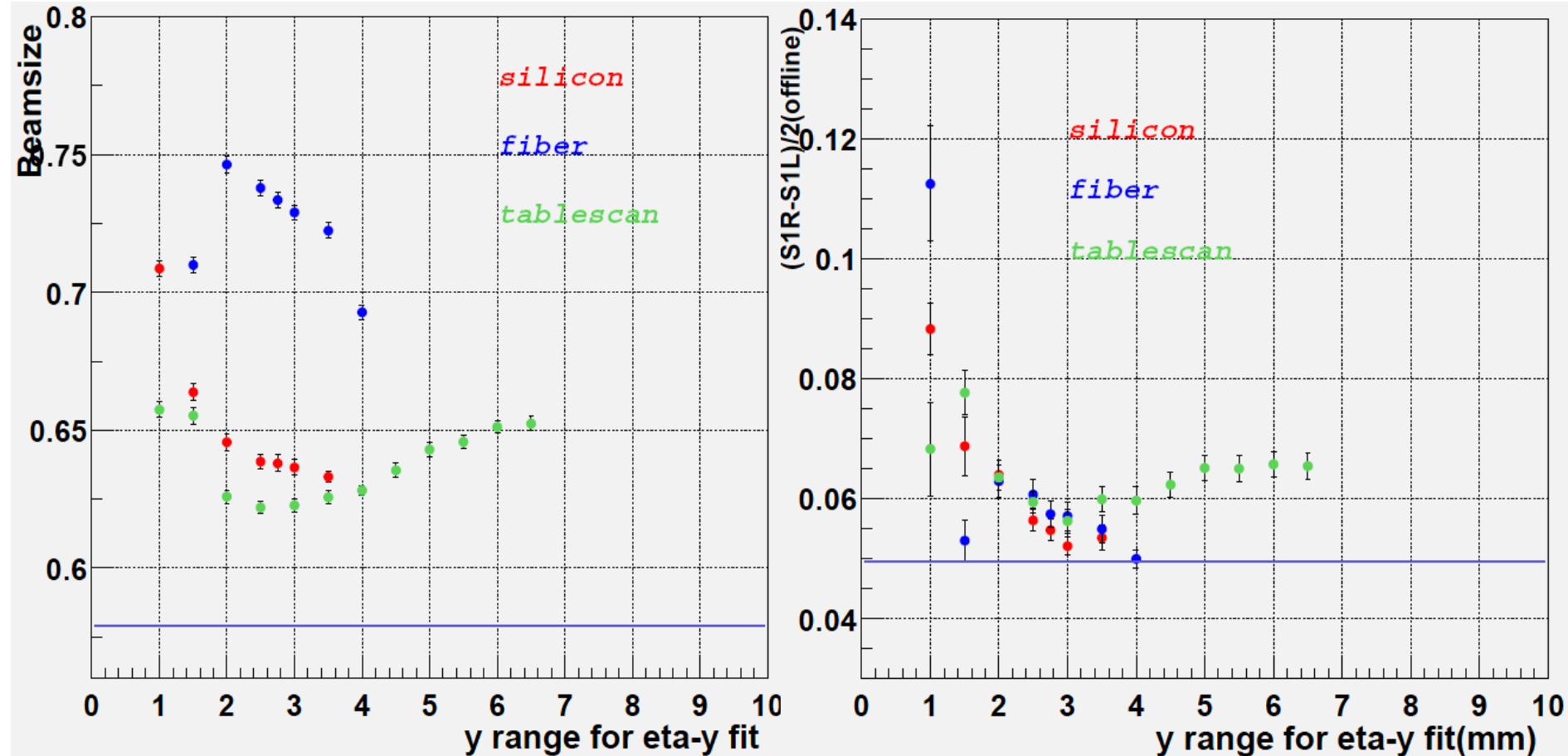
As for beamsize the difference between fiber and silicon is larger than other fitting parameters.
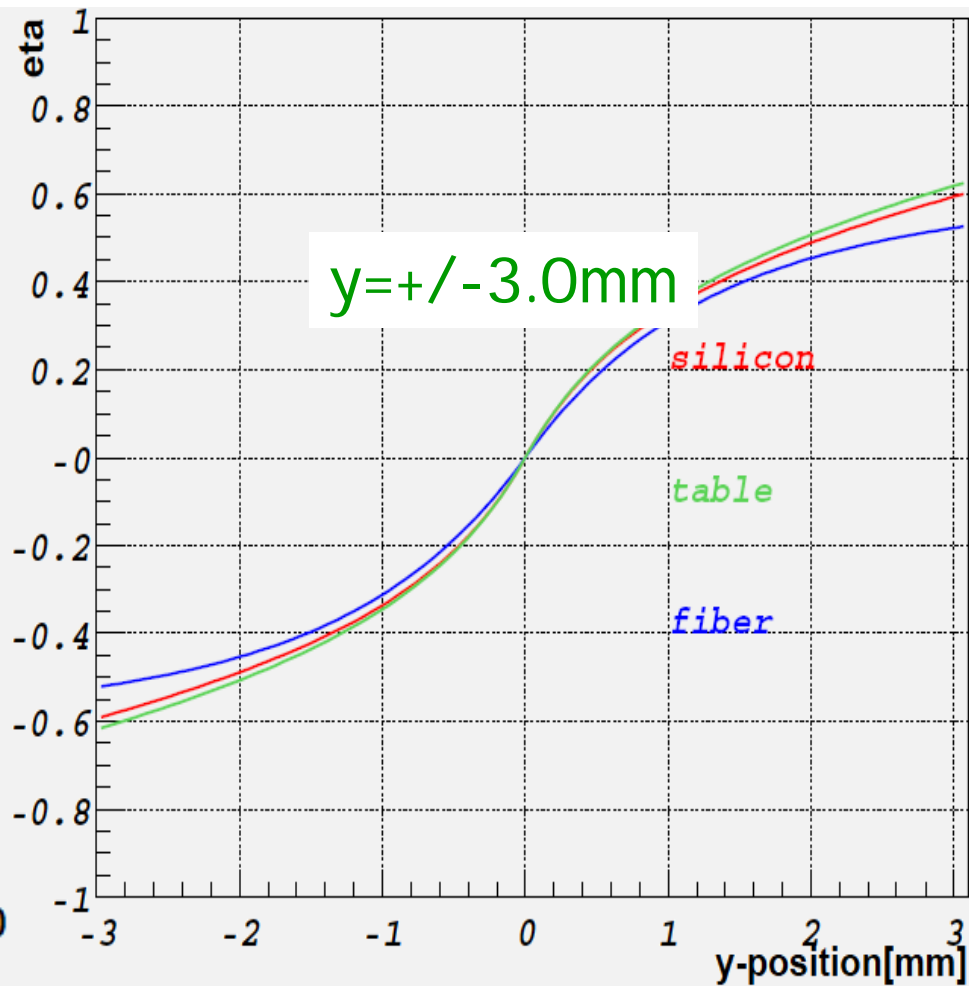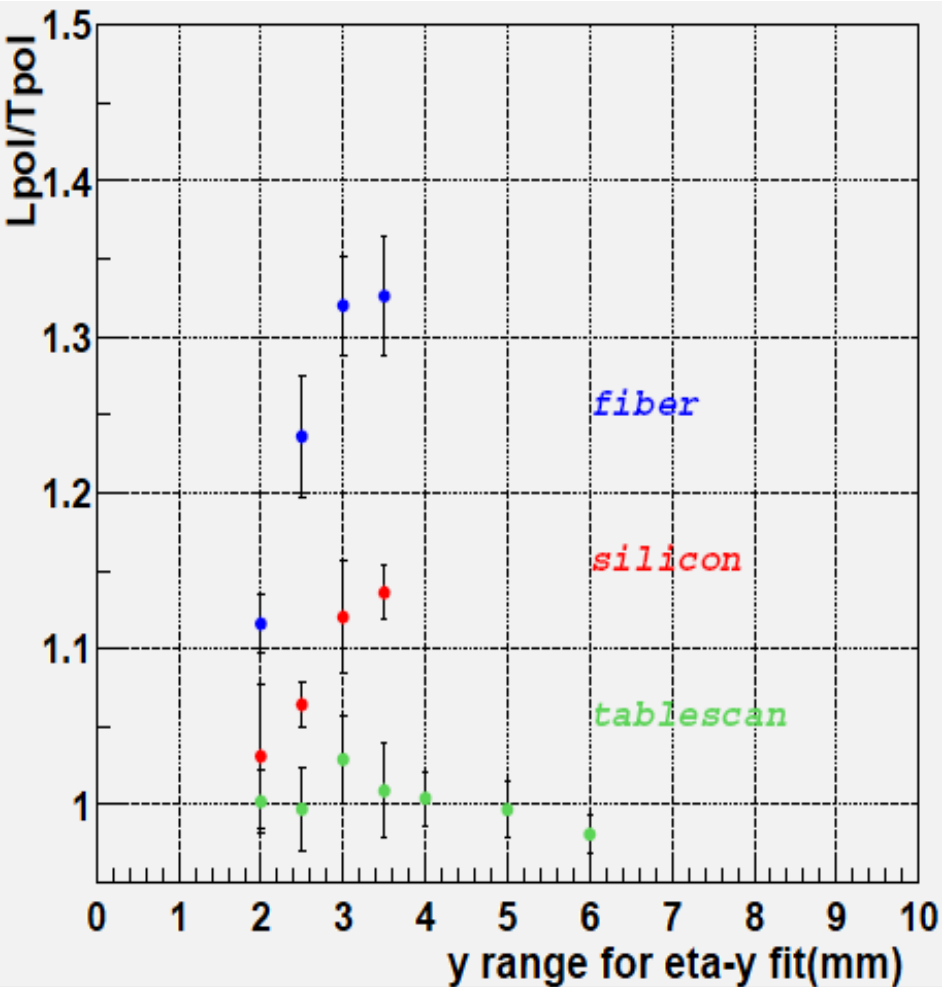
Offline fit with beamsize fixed

Polarization from offline method is more separate than in the case of beamsize free.

Offline fit with beamsize fixed

It seems to be consistent in online and offline analysis when using this data.

The difference of eta-y curve at each fitting range

reflects on parameters from offline fiiting

→it is reasonable to be fixed beamsize

Summary & future

- At present, with using 7th.Mar.2004 data sample, offline method is stable!
  - Offline method is unstable, unless beamsize is fixed.
- Check other data sample to see if parameters are stable with fixed beamsize.