

Status of the FPCCD software

Physics and Software meeting

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Current status

■ Tracking study

- b,c-tag performance with FPCCD was checked.
(on bb event, cc event)
- Tracking processor couldn't work under 1 train pair background.
 - The cause of crash was memory usage.
 - If the innermost layer wasn't overlaid, tracking processor worked.

■ Range cut

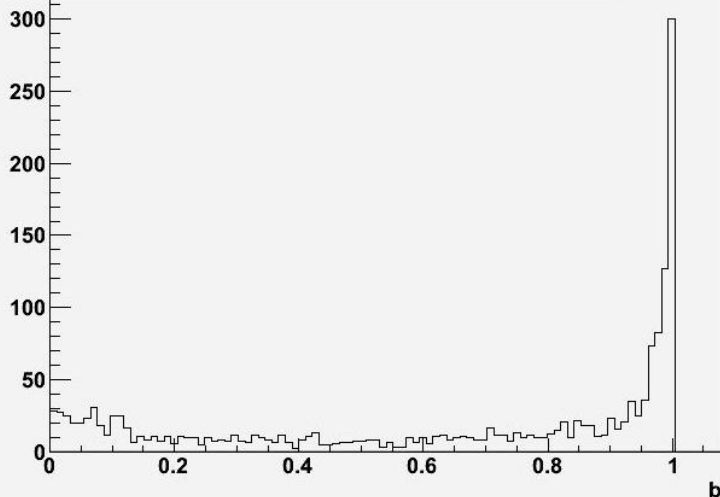
- Pair background samples for range cut 2, 5, 20um were prepared.

Flavor tagging

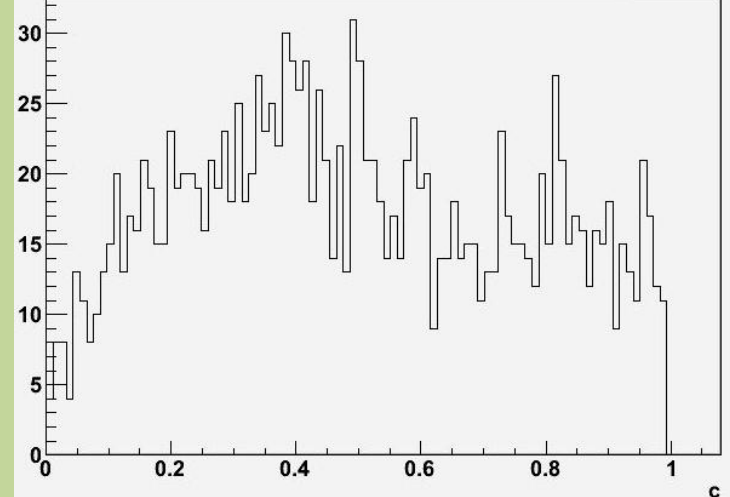
■ Flavor tagging performance with FPCCD was checked.

- E_{cm} : 350 GeV
- $ee \rightarrow bb, ee \rightarrow cc$
- 1000 events

b-tag on $ee \rightarrow bb$ event



c-tag on $ee \rightarrow cc$ event



- b-tag was good, but c-tag was no good.
- c-tag performance on other event will be checked.

Summary/Plan

■ Tracking study

- b,c-tagging performance were checked.
- Tag efficiency and purity will be checked on Z pole event.
- If only outer 5 layers overlaid, tracking processor is available.
- The effect of background on track topology will be checked.

■ Range cut

- Pair background samples for range cut 2, 5, 20um were prepared.
- These are being analyzed.