

Status of the FPCCD software

Physics and Software meeting

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OverlayBX processor

■ OverlayBX processor

- The problem of memory usage is not resolved yet.
- But, the memory usage was reduced by some improvement.
 - Now, pair background for ~1800 BX can be merged on whole layer.
- The occupancy study and the background reduction study are available.
the tracking study (using many events) is not available.
- continue to work on this problem.

The range cut study

- The range cut dependency of # pixel hits and # clusters of e- events is checked.
 - Particle gun event of 100 MeV e-
 - no noise, no threshold
 - Data statistics : 5000 events

	10um	1um	0.5um	0.1um
#pixel	32.39	32.67	32.63	36.36
#cluster	6.62	7.00	6.90	6.90

- There is no big difference from 10um to 0.5um.
- # pixel hits was clearly increased at 0.1 um, but # clusters was almost same.
- The cluster shapes seems to been changed by δ ray at 0.1 um.
- More smaller range cut will be checked.