3/3 大栗12

To Office of Experimental

Planning and Coordination

Date 2004/Feb/29

MACHINE TIME EXECUTION

REPORT (2003-6-3 CYCLE)

Experimental Group	T552	Reporter	Hiroaki Watanabe
Scheduled Period and Shift	Feb. 18th 17:00 ~ Feb. 23th 1:00 (13 shift)	Main, Sub, Para	Main
Experimenters T. Inagaki, H. Ishii, Komatsu, H.Lee, G. Perdue, H. Watanabe			

SUMMARY OF EXECUTION AND RESULTS

We entered in the Pi2 area on Feb. 14th and started calbing.
All setting of trigger counters and a test counter were finished before the beam time.
Trigger tuning was taken about 1.5 shifts including beam tuning.
After finishing these tuning, we started to test the three types of the counter, Collar Counter, CC06, Beam-hole charged veto detector, and Back Anti detector for the PS-E391a experiment.
We could take data until 1:00AM on Feb. 23th.

Concerning the result, basically, enough data to calibrate detectors and to demonstrate performances could be collected.
However, due to accelerator cooling problem, we can not get enough higher-momenta beam, i.e. 3 GeV/c and 4 GeV/c.

EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME etc.

Accelerator and beam condition were not so stable, especially due to accelerator cooling problem. There is some down time.

In later stage, we heard that the D3 magnet was unstable, typically ± 10% level.

And, beam intensity is seems to be pretty strong compared with other cycle.

COMMENTS