To Office of Experimental Planning and Coordination

Date 2004 / 4 / 2

MACHINE TIME EXECUTION

REPORT (CYCLE)

Experimental Group	E522	Reporter	K. Miwa
Scheduled Period and Shift	2/23 – 3/4	Main, Sub, Para	

Experimenters

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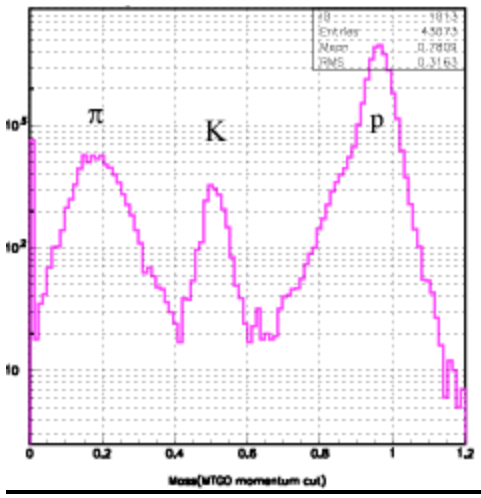
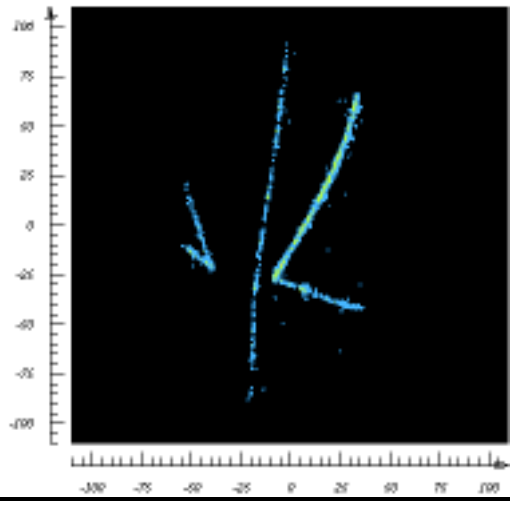
SUMMARY OF EXECUTION AND RESULTS

We finished the detector tuning in two days, and start data taking of (K-, K+) event and we got some calibration data such as (π+,K+) event for mass trigger setting.

We used 1.67GeV/c K- beam, and typical beam intensity was 25000 per spill, and trigger rate was 25 per spill. Figure 1 shows mass spectrum. We finally injected 1.6G K- and got about 15,000 (K-,K+) events. Figure 2 shows the SCIFI image data of double Λ event.





EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME etc.

We have executed 30 shift in this cycle for our purpose.
6 shifts were used for detector tuning, and remained 24 shifts were for (K-, K+) physics run and some other calibration data.

COMMENTS