

MACHINE TIME EXECUTIONREPORT ( 2005-4-3 CYCLE)

Experimental Group	T569 (Parasite)	Reporter	T. Tsuboyama
Scheduled Period and Shift	22-28 December 2005 Total 18 shifts	Main, Sub, Para	Parasite
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<b>SUMMARY OF EXECUTION AND RESULTS</b> <p>The purpose of this test is to evaluate a newly designed n-side silicon strip sensor with an APV25 readout chip. The n-side silicon-strip sensor was sandwiched with three double-sided silicon strip detectors used for Belle SVD. The 4 GeV/c positive or negative pion beam is triggered by pair of scintillation counters (3cmx4cm). The data will be used for the evaluation of spatial resolution, noise level, signal cluster shape and hit timing resolution of the wave form sampler built in the APV25 chip. In addition, we like to confirm the new APV25 readout scheme and present Belle SVD readout scheme does not interfere each other. This is an important issue in the Belle SVD upgrade in 2007.</p> <p>Throughout this period, we got 2000K triggers. This is about 10 % of the total beam flux which was recorded by the scintillation trigger counters.</p>			
<b>EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME etc.</b> <p>Throughout the beam time we enjoyed stable beam. The data acquisition system was tuned up and we could accumulate about 50 events per spill (data size: ~20 kbytes per event).</p>			
<b>COMMENTS</b>			