

To Office of Experimental
Planning and Coordination

Date Nov. 29, 2002

MACHINE TIME EXECUTION
REPORT(2002-4-1 CYCLE)

Experimental Group	E391a	Reporter	LIM GeiYoub
Scheduled Period And Shift	10/30-11/19 (57 shifts)	Main, Sub, Para	
Experimenters : E391a collaborators			
SUMMARY OF EXECUTION AND RESULTS At first, we adjusted primary protons to obtain optimal KL beam entering the experimental hall. First half of the beam time was used for fine-tuning of the calorimeter consisting of pure CsI crystals and charged veto counter of plastic scintillator. In order to calibrate the crystals within 1% level, we accumulated pi0 event samples produced by neutrons interacting with Al target. Quick analysis of the data, we obtained very clean (S/N~9) invariant mass peaks at the pion and yeta meson mass. The other process is to collect KL decay data. Especially KL → pi0 pi0 pi0 doesn't suffer background problem even though we don't have veto system. Total number of events is still far from our goal and tends to continue data taking until next cycle.			
EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME ETC. At the beginning of the data taking, PS operating was stopped due to a trouble of the kicker magnet during 11 shifts(7/Nov.-11/Nov.). Beam intensity was around 70 % of expected (requested) amount.			
COMMENTS			

