

Planning and Coordination

MACHINE TIME EXECUTION

REPORT (2004-5-1CYCLE)

Experimental Group	E391a	Reporter	T. Inagaki
Scheduled Period and Shift	Original:17 Jan.-14 Feb. Rescheduled as 31.Jan.- 14 Feb. (35 shifts)	Main, Sub, Para	Main

Experimenters About 30 people joined to take shift.

SUMMARY OF EXECUTION AND RESULTS

1) The start was originally scheduled as 17:00 of 17 January. It delayed to 17:00 of 31 January due to troubles of the EP2 extraction septum-magnet and the cooling-water system.  
2) From the real start at 17:00 of 31 January, We spent about 18 shifts for setting the running conditions. The period includes 1 shift for beam tuning, 2 shifts for trigger threshold setting and mixed runs with various conditions. The trigger threshold was changed not only for more effective data acquisition but due to a change of counting rate after removing the withdrawn membrane. The threshold value for CsI was raised to match the off-line gamma-selection criteria and that for MB was lowered to prevent the acceptance loss due to over vetoing at the trigger level. The threshold for TDC was lowered below 1-MeV deposit to see the time structure at low energy, which is about 1/3 of the TDC threshold during Run-1 for most of detector component.  
We studied the difference between on-and-off of the Be absorber, which is 20cm long beryllium rod of 1cm diameter, can be remotely inserted between the first and second collimators in the K0 line and was not used (inserted) in Run-1.  
3) From 1:00 (midnight) of 6 February, we started Run-2 data taking with the final setting, the new thresholds, with the Be absorber, etc.

EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME etc.

Due to many breaks and unstable operation of PS we lost about 3 shifts. Then, the executed machine time was 32 (=35-3) shifts including the detector tuning of 18 shifts.

COMMENTS

We would express again sincere thanks to the accelerator crews for their great efforts for the beam recovery, and also to the people of EPPC and accelerator coordination for their many trials of schedule-rearrangement. I would also appreciate all of young guys of E391a with patiently waiting for beam in a standby mode for such a long time.