J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#46

		Date(submitted)	Jul. 10, 2013
Group	T47	Beam line	K1.1BR
Reporter	Name Yoki Aramaki	e-mail address yoki.aramaki@riken.jp	
Experimenters	K. Aoki, Y. Aramaki, D. Kawama, T.N. Takahashi, S. Yokkaichi (RIKEN), K. Kanno, Y. Komatsu, W. Nakai, Y. Obara, T. Shibukawa (Univ. of Tokyo), K. Ozawa, M. Sekimoto (KEK)		

Summary and Results

The test of lead-glass calorimeter (LG) and GEM tracker (GTR) has been performed at the momenta of -0.4, -1.0, and +1.0 GeV/c at K1.1BR beam line.

- Performance test of LG with -0.4, -1.0, and +1.0 GeV hadron beam
  - We confirmed the 1 GeV pions of 12-15% remain at the threshold which the 0.4 GeV electron efficiency is 90 %. The result is satisfied with our requirement.
- Performance test of GTR with mainly -1.0 GeV hadron beam
  - We confirmed the position resolution measured with new readout system is less than 100 μm for the beam incident-angle of up to 30 degrees

SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.

(1) Schedule: Jan. 8 (8 hours), 9 (8 hours), 10 (8 hours), and from Jan. 11 1:00 to Jan. 17 9:00

(2) Executed machine time: As scheduled with twice down times.

(3) Beam condition: Hadron beam of -0.4, -1.0, and 1.0 GeV/c at MR 15kW

(4) Down time: 0.5 hour on Jan.15 (MPS trouble), 1.5 hour on Jan. 15

Comments/Requests