

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#

		Date(submitted)	2012/7/24
Group	T43	Beam line	K1.1BR
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Experimenters	K. Aoki, Y. Aramaki, H. Enyo, T. Takahashi, D. Kawama, S. Yokkaichi (RIKEN), R. Muto, K. Ozawa, S. Sawada, M. Sekimoto (KEK), K. Kanno, Y. Komatsu, W. Nakai, Y. Obara, T. Shibukawa (Univ. of Tokyo),		
Summary and Results The following test experiment was performed. <ul style="list-style-type: none">● Test of Particle identification detectors for J-PARC E16 experiment.<ul style="list-style-type: none">➢ A real size prototype of a Hadron Blind Detector (HBD)<ul style="list-style-type: none">✧ Response to pions and electrons.➢ Lead Glass Calorimeter (PbGl)<ul style="list-style-type: none">✧ Response to pions and electrons with different incident angles.● Test of Tracking detectors and their readout electronics for J-PARC E16 experiment.<ul style="list-style-type: none">➢ GEM trackers<ul style="list-style-type: none">✧ Position resolutions for different configurations.<ul style="list-style-type: none">● Two different sizes of GEM. -- 100 mm x 100 mm, and 300 mm x 300 mm.● Two types of readout board. – double-sided two dimensional strip read out with and without Blind Via Hole.● Two types of preamps which have different shaping time.			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc. Scheduled Machine Time: Jun. 19 – Jun.26 148 hours Executed Machine Time: Jun. 19 - Jun.26 143 hours Beam condition: Negative Beam, 1.0 GeV/c MR: 3 and 6 kW ESS off. Major downtime: Jun. 21 Cooling water leakage (4 hours)			
<u>Comments/Requests</u> 			