

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN# 40

		Date(submitted)	22 February 2012
Group	KOTO	Beam line	KL
Reporter	Name	e-mail address	
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Experimenters	Komatsubara, Lim, Nomura, Watanabe (KEK), Togawa, Ri, Sato, Lee, Sugiyama, Murayama, Yanagida, Banno (Osaka), Shiomi, Masuda (Kyoto), Yokota (NDA), Shimogawa (Saga), Ma (Chicago), Li, Xu (Michigan), Tung, Duh (NTU), Ko, Na, Woo (Cheju), Lee, Kim (Pusan), Jung (Hanyang)		
Summary and Results			
<ul style="list-style-type: none"> - Collimator alignment check - Studies on calibration methods of the CsI calorimeter <ul style="list-style-type: none"> - KL→3pi0 reconstruction - Calibration using Ke3 with the KURAMA magnet and drift chambers - pi0 production with an Al target in the beam core - Studies on triggers with calorimeter information <ul style="list-style-type: none"> - Total energy (Et>=0.5, 1.0GeV) - Number of region with hits (N>=1,2,...,5) - Study of prototypes of KOTO detectors <ul style="list-style-type: none"> - a photon counter around the beam (“collar counter”) behind the calorimeter - a charged-particle detector in the beam core 			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.			
2/1 4:00-2/6 9:00 1kW 2/6-2/10 daytime for MR study, night time (1:00-9:00) for users (1kW) 2/11 1:00-2/14 12:30 3.3kW 2/14 12:30-15:40 pre facility inspection (5kW) 2/14 16:10-2/21 12:30 3.3kW 2/21 12:30-14:30 facility inspection (5kW) 2/21 14:30-23:20 MR study & HD tuning 2/21 23:20-2/22 5:00 3.3kW [Down] (>30 minutes) 2/1 7:19 3NBT MPS (30 min) 2/1 23:10 QDN MPS (50 min) 2/12 17:09 QDN MPS and Loss MR 7 (50 min) 2/17 21:56 SX Bump3 MPS; low flow rate of cooling water (6.5 hrs) (2/19 14:55 earthquake; intensity of 3 in Tokai; 9-minute stop) 2/20 10:49 LI DTL01 RF MPS (43 min) 2/21 9:01 MR INJ-SEP2 MPS (51 min) Many “LI RFQ MPS”: take 1.5min to recover, but ~50 times/day			
Comments/Requests			