

**J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN# 35**

		<b>Date(submitted)</b>	4 November 2010
<b>Group</b>	KOTO(E14)	<b>Beam line</b>	KL
<b>Reporter</b>	<b>Name</b>	<b>e-mail address</b>	
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<b>Experimenters</b>	Komatsubara, Lim, Nomura, Watanabe (KEK), Nanjo, Shiomi, Kawasaki, Masuda, Maeda, Takahashi (Kyoto), Shinkawa, Matsumura (NDA), Yamanaka, Togawa, Ri, Sato, Lee, Murayama, Yanagida, Nakaya, Sugiyama, Ui (Osaka), Suzuki, Shimogawa, Odani, Ohta (Saga), Yoshida, Tajima, Sasaki (Yamagata), J.Ma (Chicago), D.McFarland (Arizona State)		
<b>Summary and Results</b>			
<ul style="list-style-type: none"> <li>- Collimator alignment <ul style="list-style-type: none"> <li>- using profile monitor based on scintillation fibers</li> <li>- re-confirmation after installation of K1.1 components upstream and shift of T1 target position</li> </ul> </li> <li>- Engineering run for CsI calorimeter <ul style="list-style-type: none"> <li>- DAQ tuning</li> <li>- KL→3pi0 reconstruction</li> <li>- calibration using Ke3, e+/e- from photon conversion with KURAMA magnet and drift chambers</li> </ul> </li> <li>- photon and neutron spectrum measurement inside the core beam ← 100W, 1kW, 3kW <ul style="list-style-type: none"> <li>- using beam-hole photon veto (BHPV) and CsI array (crystals from KEK E391a)</li> <li>- using hadron calorimeter (Cerberus)</li> <li>- using newly developed neutron/photon detector</li> </ul> </li> <li>- TOF of photon and neutron measurement ← bunched SX <ul style="list-style-type: none"> <li>- BHPV (photon), NE213 and Cerberus (photon and neutron)</li> <li>- cross check of slow neutron spectrum</li> </ul> </li> </ul>			
<b>SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.</b>			
10/12-19 Acc study in day time, continuous SX (1kW) from 21:00 to next 10:00. Beginnings of user time are varied in each day. (fastest 21:20, latest next 3:50) 10/20 0:45- 1kW 10/21 facility self-inspection (-10:30 for KL) 10/21 17:45-25:45 100W by our request 10/22 2:00-12:00 1kW 10/22 12:00- facility government inspection 10/22 21:00-10/29 9:45 3kW (10/26 5:00-21:00, 10/27 9:45-23:14 Acc study in day time and preparation for restart) 10/29 16:00-20:00 1kW by our request 10/29 20:00-11/1 1:30 3kW [Bunched SX] 10/25 17:00-21:00, 10/28 12:00-16:00, 10/29 12:00-16:00, 3 bunches (1.4kW) [Down] 10/20 1:35-20:06 due to 3-50BT QFS MPS 10/26 0:45-5:00 due to L3BT Q magnet MPS (need access to tunnel) 10/27 21:32-22:52 due to RCS PPS; air-tight door open on B3F 11/1 ~1:30 Q09 in HD SY down, 2:07 SX stopped			
<b>Comments/Requests</b>			