

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN# 49a

		Date (submitted)	2 May 2013
Group	KOTO	Beam line	KL
Reporter	Name	e-mail address	
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Experimenters	Komatsubara, Lim, Nomura, Watanabe (KEK), Togawa, Shiomi, Sugiyama, Takashima (Osaka), Nanjo, Maeda, Naito, Seki, Hineno (Kyoto)		
Summary and Results			
<ul style="list-style-type: none">- Commissioning of new detectors located at downstream of the vacuum tank<ul style="list-style-type: none">- Collar counters 05 (new) and 06 (reconfigured) were tuned. - Detector calibration - Halo neutron measurement with “neutron collar counter” (NCC)<ul style="list-style-type: none">- Supplementary data for January/March measurements were taken. Detailed analysis is ongoing. - Collimator study<ul style="list-style-type: none">- Positions of KL beam-line collimators were tuned so as to adjust the neutral beam position to the center of the KOTO detector system. - Commissioning of DAQ system - Trigger study<ul style="list-style-type: none">- Timing and width for online-vetoes were further adjusted.- Data acquisition with several types of triggers being mixed was studied. (Triggers for physics, normalization, calibration, and so on, were mixed.) We determined a standard set of triggers for production in this cycle. - Practice physics run<ul style="list-style-type: none">- Trial production data were taken for ~18 hours with the standard-mixed trigger.			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.			
[Scheduled machine time] Nights of 4/28, 29, and from the night of 4/30 to the morning of 5/2 (2 half-days + 1.5 days)			
[Executed time] 4/28 21:40 - 4/29 09:38 6.6kW 4/29 21:33 - 4/30 09:30 11kW (decreased gradually to 10.3kW as LI current degraded.) 4/30 21:26 - 5/2 09:00 15kW			
[Down time] (>20 minutes) 4/30 02:01 HD: Q1B MPS (40 minutes) 4/30 06:30 LI: HVDC02 down (22 minutes) 5/01 21:04 HD: PPS (unknown reason...) (3 hours 40 minutes)			
[Access inside the KL sub-door] None			
Comments/Requests			