

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#

		Date(submitted)	2012/07/12												
Group	K1.8(SKS)	Beam line	K1.8												
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Experimenters	Kyoto U. T.Nagae, H.Fujioka, A.O.Tokiyasu, M. Moritsu, H.Sugimura, Y.Ichikawa, H.Ekawa, S.Kanatsuki KEK T.Takahashi, M.Naruki, S.Ishimoto, S. Suzuki, Tohoku U. H.Tamura, K.Miwa, T.Koike, M.Ukai, T.Yamamoto, R.Honda, Y.Matsumoto Osaka U. T.Tanaka, R.Ota, S.Hayakawa RCNP K. Shirotori JAEA K. Imai, H. Sako, S. Sato, S. Hasegawa S. N. U(Korea) S. B. Yang, G. W. Joo Italy A. Feliciello India R. Kiuchi, B. Roy Russia T. Zviadi, P. Evtoukhovitch, S. Valentin (Total 34 person)														
Summary and Results															
<p>*Commissioning</p> <p>Beam tuning +0.9, +1.1, ± 1.2, 1.58, 1.9GeV/c (pi beam)</p> <p>Trigger logic check</p> <p>Detector check</p> <p>Chamber efficiency measurement</p> <p>Mass trigger study</p> <p>Tof, Lc threshold study</p> <p>Trigger study</p> <p>*RC study (beam =+0.5GeV/c pion beam)</p> <p>*Beam through data taking</p> <p>Beam = 0.9GeV/c, 1.1GeV/c</p> <p>Target = Empty(only 0.9GeV/c), Liq.H2, Liq.D2</p> <p>*Σ^+ calibration run</p> <p>Beam = +1.58GeV/c , Target = Liq.H2</p> <p>*Proton target data taking</p> <p>Beam = +1.7GeV/c, Target = Liq.H2</p> <p>We used the $7.6 \cdot 10^9$ pion beam.</p> <p>*Physics run</p> <p>Beam = +1.7GeV/c, Target = Liq.D2</p> <p>We used the $3.3 \cdot 10^{11}$ pion beam. Total beam time of physics run =7.6days</p> <p>*High rate study</p>															
<p>SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.</p> <table border="0"> <tr> <td>June 9 21:31~June 10 9:41(down time=0:57),</td> <td>June 18 18:55~ June 20 9:00(down time = 01:06),</td> </tr> <tr> <td>June 11 2:30~9:01(down time= 0:15),</td> <td>June 20 20:58~June 26 9:36(down time= 10:59),</td> </tr> <tr> <td>June 12 3:55~9:40(down time=0:10),</td> <td>June 27 1:00~9:00(down time=01:06)</td> </tr> <tr> <td>June 13 4:50~9:00(down time=0:07),</td> <td>June 27 21:25~ June 28 9:40(0:09)</td> </tr> <tr> <td>June 13 22:23~June14 10:45(down time= 0:15)</td> <td>June 29 2:00~ June 30 1:00(down time=1:39)</td> </tr> <tr> <td>June 14 21:47~June 16 9:00(2:02)</td> <td></td> </tr> </table> <p>July 1 3:35~8:00 (down time=0:02, [PPS trouble:July1 0:00~3:35])</p>				June 9 21:31~June 10 9:41(down time=0:57),	June 18 18:55~ June 20 9:00(down time = 01:06),	June 11 2:30~9:01(down time= 0:15),	June 20 20:58~June 26 9:36(down time= 10:59),	June 12 3:55~9:40(down time=0:10),	June 27 1:00~9:00(down time=01:06)	June 13 4:50~9:00(down time=0:07),	June 27 21:25~ June 28 9:40(0:09)	June 13 22:23~June14 10:45(down time= 0:15)	June 29 2:00~ June 30 1:00(down time=1:39)	June 14 21:47~June 16 9:00(2:02)	
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total down time= 18:42															
<u>Comments/Requests</u>															