

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

		<b>Date(submitted)</b>	<b>2012/02/22</b>
<b>Group</b>	E15	<b>Beam line</b>	K1.8BR
<b>Reporter</b>	<b>Name</b>	<b>e-mail address</b>	
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<b>Experimenters</b>	Kyoto-U: Y.Sada Osaka-U: S.Enomoto, K.Inoue, S.Kawasaki, H.Noumi RIKEN: H.Ohnishi, H.Outa, F.Sakuma TITECH: M. Tokuda U-Tokyo: T. Hashimoto, S. Hexi, M. Sato, T. Suzuki		
<b>Summary and Results</b>			
Production target : Pt			
<ul style="list-style-type: none"> <li>● <b>Reproducibility check @ +/-0.9 GeV/c K [K1.8ES1=+/-200kV]</b>  <b>Feb.1 ~ Feb.3</b>            ✓ confirmed healthiness of the beam-line detectors and beam condition as same as before the earthquake</li> <li>● <b>1.0GeV/c K-tuning @ +/-1.0 GeV/c K [K1.8ES1=+/-200,225,250,275,300kV]</b>  <b>Feb.4 ~ Feb.10</b>            ✓ optimum setting of K1.8ES1: +/- 250kV            ✓ -1.0GeV/c K- yield: ~10k/spill/1kW            ✓ -1.0GeV/c K/<math>\pi</math> ratio: ~0.4</li> <li>● <b>CDS tuning @ -1.0GeV/c K [K1.8ES1=+/-200,250kV]</b>  <b>Feb.11 ~ Feb.14</b>            ✓ CDS calibration</li> <li>● <b>CDS commissioning with liquid-<sup>4</sup>He target @ -1.0GeV/c K [K1.8ES1=+/-250kV]</b>  <b>Feb.19 ~ Feb.22</b>            ✓ trigger rate for E15 (K &amp; CDH-2hits) with liquid-Helium target:                ~200/spill/1kW            ✓ data taking for background study of kaonic-nuclei with CDS+<sup>4</sup>He-target            ✓ successfully reconstructed <math>\Lambda \rightarrow p\pi^-</math> and target image</li> </ul>			
<b>SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.</b>			
<ul style="list-style-type: none"> <li>■ Feb.1 1:15 ~ Feb.1 9:00: tot 7:45 (including 4:20 downtime), 1.2kW</li> <li>■ Feb.1 21:05 ~ Feb.2 9:00: tot 11:55 (including 1:00 downtime), 1.3kW</li> <li>■ Feb.2 21:00 ~ Feb.3 9:00: tot 12:00 (including 0:20 downtime), 1.3kW</li> <li>■ Feb.3 21:00 ~ Feb.4 9:00: tot 12:00 (including 0:10 downtime), 1.3kW</li> <li>■ Feb.4 21:00 ~ Feb.5 9:00: tot 12:00 (including 0:40 downtime), 1.3kW</li> <li>■ Feb.5 21:10 ~ Feb.6 9:45: tot 12:35 (including 0:35 downtime), 1.3kW</li> <li>■ Feb.8 0:40 ~ Feb.8 9:10: tot 8:30 (including 0:30 downtime), 1.2kW</li> <li>■ Feb.9 21:45 ~ Feb.10 9:30: tot 11:45 (including 0:10 downtime), 1.3kW</li> <li>■ Feb.11 9:00 ~ Feb.11 21:05: tot 12:05 (including 0:30 downtime), 3.3kW</li> <li>■ Feb.12 20:20 ~ Feb.12 22:05: tot 1:45 (including 0:05 downtime), 3.3kW</li> <li>■ Feb.14 6:00 ~ Feb.14 8:00: tot 2:00 (including 0:05 downtime), 3.3kW</li> <li>■ Feb.14 16:10 ~ Feb.14 19:05: tot 2:55 (including 0:10 downtime), 3.3kW</li> <li>■ Feb.19 13:05 ~ Feb.21 12:30: tot 48:25 (including 3:45 downtime), 3.3kW</li> <li>■ Feb.21 23:25 ~ Feb.22 5:00: tot 5:35 (including 0:25 downtime), 3.3kW</li> </ul> <p align="right">Total 161:15 (including 12:45 downtime)</p>			
<b>Comments/Requests</b>			