

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN# 30

Group	E15/E17	Date (Submitted)	Feb.22, 2010
Reporter	Name	e-mail address	
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Experimenters	RIKEN: K. Itahashi, H. Ota, F. Sakuma, K. Tsukada U. Tokyo: T. Hashimoto, T. Suzuki TITEC: H. Kou Kyoto U.: T. Hiraiwa RCNP: S. Enomoto, K. Inoue, H. Noumi		
Summary and Results			
<p>i) +0.75 GeV/c unseparated beam (Ni target) : Feb.15~Feb.16 Tuning of K1.8BR Q7/Q8 : study of FF position</p> <p>ii) +-0.75 GeV/c separated beam (ES1=+-40~200 kV, Ni target) : Feb.16, Feb.17 study of CM (kick-angle) dependence of p/pbar/ K⁺/K⁻ yields</p> <p>iii) +-0.75 GeV/c unseparated/separated beam (ES1=+-100 kV Ni target) : Feb.17~22 Q1-Q2 scan (optimization of y-image at IF) Acceptance study of Mom.slit and D2-D3-D4-D5 tuning Q5-Q6 scan (optimization of y-image at MS1, and Kaon yield study) Q7-Q8 scan (study of beam profile at the target region)</p> <p>iv) +1.1 GeV/c unseparated beam : Feb. 21 Q7-Q8 scan (study of multiple scattering effect)</p> <p>v) +0.75 GeV/c unseparated (Ni target) : Feb. 22 Momentum analysis with D5 (TOF measurement T0->TOFstop) Study of Mom. slit</p>			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.			
<p>Feb. 15 22:45 ~ Feb. 16 10:00 (1.25*10¹² ppp 1 kW Ni, 2.5 hrs down time out of 11.25 hrs) Feb. 16 22:00 ~ Feb. 17 10:00 (1.25*10¹² ppp 1 kW Ni, 0.5 hrs down time out of 12.0 hrs) Feb. 17 20:20 ~ Feb. 18 09:10 (1.25*10¹² ppp 1kW Ni, 0.9 hrs down time out of 12.8 hrs) Feb. 18 23:00 ~ Feb. 19 10:00 (2*10¹² ppp 1.6 kW Ni, 0 hrs down time out of 11.0 hrs) Feb. 21 15:30 ~ Feb.22 05:50 (1.25*10¹² ppp 1kW Ni, 2 hrs down time out of 14.3 hrs)</p> <p>Total 61.35 hrs (6.0 hrs down time is included)</p>			
Comments/Requests			