

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

Group	E15/E17	Date (Submitted)	Oct.29, 2010
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Summary and Results			
<p>Production target : Pt</p> <p>K1.8BR tuning</p> <p>i) +0.80 GeV/c unseparated beam : Oct.17~Oct.18 K trigger tuning, y-slit offset study</p> <p>ii)+0.80 GeV/c separated beam : Oct.18 CM scan, K⁺ yield reproducibility check, Q7/Q8 study</p> <p>iii)+0.90 GeV/c separated beam : Oct 18~Oct.19, Oct. 25~Oct.27 K trigger tuning, kick-angle/slit acceptance study for K⁺ Vertical distribution measurements at IF and MS1 for K mode O1/S3/Q7/Q8 study for FF image K⁺ yield measurement</p> <p>iv) -0.90 GeV/c separated beam : Oct 19~Oct.21, Oct.27 K trigger tuning, kick-angle/slit acceptance study for pbar/K⁻ Vertical distribution measurements at IF and MS1 for K mode TOF measurement of pbar for beam momentum calibration K⁻/pbar yield measurement</p> <p>CDS calibration</p> <p>i)+0.90 GeV/c separated beam : Oct.21~Oct.22 (pi⁺,p) scattering measurement with 0.5T magnetic field</p> <p>ii)-0.90 GeV/c separated beam : Oct.22~Oct.24 (K⁻,Λ/K^{0s}) measurement with 0.5T magnetic field (π⁻, XX) measurement with 0.5T/without magnetic field</p>			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.			
<p>Oct. 17 22:12~Oct. 18 10:12 (1.20*10¹² ppp, Pt, 11.9 hours)</p> <p>Oct. 18 21:38~Oct. 19 5:05 (1.20*10¹² ppp, Pt, 7.5 hours)</p> <p>Oct. 20 1:27~Oct. 20 1:35 (1.27*10¹² ppp, Pt, 0.1 hours)</p> <p>Oct. 20 20:02~Oct. 21 9:50 (1.27*10¹² ppp, Pt, 13.8 hours)</p> <p>Oct. 21 23:05~Oct. 22 1:45 (1.20*10¹¹ ppp, Pt, 2.7 hours)</p> <p>Oct. 22 2:12~Oct. 22 6:37 (1.27*10¹² ppp, Pt, 4.4 hours)</p> <p>Oct. 22 22:16~Oct. 24 9:20 (3.70*10¹² ppp, Pt, 35.0 hours)</p> <p>Oct. 25 21:06~Oct. 26 0:44 (3.68*10¹² ppp, Pt, 3.6 hours)</p> <p>Oct. 26 21:42~Oct. 27 9:45 (3.68*10¹² ppp, Pt, 10.5 hours)</p> <p>Total 89.5 hours</p>			
Comments/Requests			