

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN# 62

		Date(submitted)	2015/5/11
Group	E13, E05, E07	Beam line	K1.8
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Summary and Results -----E13 He production RUN ----- Commissioning All detector, trigger check; 4.5 nights Production RUN; Liquid He target (3g/cm ²) for He-4-Lambda and He-4-Sigma production; pK =1.5 GeV/c 2.3 x 10 ¹⁰ kaons CH2 target (3 g/cm ²) for Sigma+ production ; pK= 1.5 GeV/c 3 hrs, pK= 1.8 GeV/c 1 hr -----E13 F-19 study ----- (K-,pi-) reaction study CH2 target (6.6 g/cm ²) ; 1.8 GeV/c 7 hrs CF2 target (6.6 g/cm ²) ; 1.8 GeV/c 3.5 hrs ----- E07 study 1.5 hr----- P-bar rate study; p = 0.6 GeV/c Kaon profile without Q13 magnet study; p=1.8 GeV/c -----E05 study 1 hr ----- Trigger rate study for (K-, positive) with SksMinus			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc. Executed time (down time, (extended time)) 4/11 3 kW 0:00~ 6 hrs (1:20) 4/13 12 kW 0:00~ 9 hrs (2:10) 4/14 12 kW 21:00~ 0.5 hrs (0:00) 4/16 12 kW 0:00~ 9 hrs (5:00 Delay of Acc study (3 hrs)& RCS problem(2 hrs)) 4/18 0:00~21 hrs (20 hrs due to No T1 targeting mode due to the power upgrade 12 kW-> 24 kW) 4/19 0:00~ 31 hrs (5:30 in total, +1:20 extended) 4/21 0:00~ 9 hrs (+1:00 extended) 4/22 0:00~ 9 hrs (0:30 down time, + 0:40 extended) 4/24 0:00~ 81 hrs (total 3 hrs down time for 3 days beam time) 5/1 0:00~ 4 hrs (0:00) 5/3 15:00~ 29 hrs (5:00 HD TM monitor trouble, SX-bump recover trouble) 5/7 6:00~ 3 hrs (0:30)			
<u>Comments/Requests</u>			