

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#64

		Date(submitted)	2016/1/5
Group	E05	Beam line	K1.8
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Summary and Results Commissioning and Calibration: 10/26-10/27, 11/1 Detector, trigger, DAQ system check Beam tuning: for every kaon momentum and primary beam conditions Detector efficiency check: for BAC and TOF Beam through: +1.8, +1.5, +1.35, +1.2, +1.1 GeV/c (target: CH ₂ , empty, carbon) Sigma- production: (K ⁻ ,pi ⁺) at -1.5 GeV/c w/ SKS 230A Production run (CH₂): 10/27-11/1 Beam momentum: -1.5, -1.6, -1.7, -1.8, -1.9 GeV/c Irradiated kaon beam: 2.9G, 2.9G, 2.8G, 9.9G, 1.2G for each momenta Production run (Carbon): 11/1-11/12 Beam momentum: -1.8 GeV/c Irradiated kaon beam: 58G			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc. Date, Beam available time(BAT)=Ustertime-Acc.time, BAT/Ustertime 10/26-10/28 22h33m42s, 88.6% 10/29-10/30 25h00m05s, 77.3% 10/31-11/5 83h14m36s, 64.9% 11/6-11/12 109h27m51s, 86.8% Total: 240h16m14s, 77.0% User down time due to a trouble of wire chamber was about 2 hours (included in BAT). Typical beam intensity at -1.8 GeV/c: (-11/5) K:pi = 570k:770k [/spill] (11/6-) K:pi = 610k:790k [/spill]			
Comments/Requests			