J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#63

		Date(submitted)	2015/6/30
Group	E13	Beam line	K1.8
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Summary and Results

--- E13 CF4 target RUN ----

Commissioning 1

All detector, trigger check 20 hrs

Commissining 2

Kaon tuning (1.8 GeV/c)

6 hours(27 kW), 6.5 hours (29 kW), 1 hour (33 kW)

Data can be used as the production

Commissioning 3

Ge efficiency check with beam; 4 hours

Production RUN --

Typical beam intensity; K/pi; 340 k/190 k (27kW),

330 k/140 k (29 kW),

360 k/130 k (33 kW)

pK = 1.8 GeV/c 63 G Kaon irradiated

SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc.

Date beam time (Used time/down time) Beam power, Major problem

6/5 3:40 ~ 6/5 9:43 (5:20 / 0:40) 27 kW

6/5 22:30 ~ 6/8 9:50 (53:24/ 6:16) 27 kW HD radiation monitor 1.5 hrs, RCS network 1.5 hrs

6/8 23:40 ~ 6/9 9:50 (9:16/ 0:51) 27 kW

6/10 0:00 ~ 6/10 9:00 (4:09/ 4:49) 29 kW Linac L3BT problem

6/10 22:10 ~6/12 9:00 (25:27/9:22)29 kW Linac RFQ 7:40 (Beamtime terminated 6/12 1:20)

6/12 22:50 ~ 6/15 12:50 (56:34/5:26)29 kW MR steering magnet (3:20), 3:50 additional (6/15 9:00~12:50)

6/15 21:50~ 6/16 10:00 (11:47/0:22) 29 kW

6/17 1:15 ~ 6/17 9:00 (6:40/ 1:04) 33 kW MR MPS (1 hr)

6/18 23:00 ~ 6/26 19:00 (159:35/28:25) 33 kW MR BLM (many) ESS2 power down (1 hr)

Total----

User time 332:16:47, Down time 57:20:08

Comments/Requests