

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#78

		Date(submitted)	2017/02/26
Group	E31	Beam line	K1.8BR
Reporter	Name	e-mail address	
	F.Sakuma (RIKEN)	sakuma@ribf.riken.jp	
Experimenters	JAEA: T.Hashimoto, K.Tanida INFN-LNF: D.Sirghi KEK: S.Ishimoto, S.Suzuki Osaka-U: T.Akaishi, S.Kawasaki, Y.Komatsu, H.Noumi, K.Shirotori, T.Yamaga, O.Zhadyra RIKEN: H.Asano, M.Iwasaki, Y.Ma, S.Okada, H.Outa, F.Sakuma SMI: J.Zmeskal TITEC: S.Aikawa Tohoku-U: H.Ohnishi, A.Tokiyasu		
Summary and Results			
<ul style="list-style-type: none">● System launch, Empty-target run @ -1.0GeV/c K [K1.8ESS1=+/-200kV] Date: Jan.17-19 Beam power: 31.5kW User time: 16.5h● Test production run @ -1.0GeV/c K [K1.8ESS1=+/-200kV] Date: Jan.19-20 Beam power: 31.5kW User time: 12.9h● Production run @ -1.0GeV/c K [K1.8ESS1=+/-200kV] Date: Jan.25-Feb.25 Beam power: 33.5-51.1kW User time: 20.3d			
<u>Summary of d(K-,n) Data-taking</u>			
duration: Jan.19-Feb.25 user time: 498:56 machine up-time: 431:30 (86% up-time ratio) production: 416:28 (97% production efficiency) integrated beam-power: 120.1 kW*week kaon on target: 39.2 G			
SCHEDULED and EXECUTED MACHINE TIME, BEAM CONDITION, DOWN TIME, Priority etc. See below.			
<u>Comments/Requests</u>			

date	MR	beam condition	run	start time	end time	duration	down time	up time	up time ratio
2018/1/17	10.5kW	-1.0 GeV/c	system launch	18:22	20:55	2:32	1:15	1:17	51%
2018/1/18	31.5kW	-1.0 GeV/c	system launch, empty run	11:00	24:00	12:59	3:32	9:27	73%
2018/1/19	31.5kW	-1.0 GeV/c	empty run	0:00	0:57	0:57	0:12	0:45	79%
	31.5kW	-1.0 GeV/c	test production run	20:05	24:00	3:54	0:32	3:22	86%
2018/1/20	31.5kW	-1.0 GeV/c	test production run	0:00	8:59	8:59	0:29	8:30	95%
2018/1/25	33.5kW	-1.0 GeV/c	production run	23:23	24:00	0:36	0:00	0:36	100%
2018/1/26	33.5kW	-1.0 GeV/c	production run	0:00	10:15	10:15	1:14	9:01	88%
	44.5kW	-1.0 GeV/c	production run	23:22	24:00	0:37	0:20	0:17	45%
2018/1/27	44.5kW	-1.0 GeV/c	production run	0:00	10:41	10:41	2:00	8:41	81%
2018/1/28	44.5kW	-1.0 GeV/c	production run	0:02	24:00	23:57	3:27	20:30	86%
2018/1/29	44.5kW	-1.0 GeV/c	production run	0:00	24:00	24:00	2:28	21:31	90%
2018/1/30	44.5kW	-1.0 GeV/c	production run	0:00	10:14	10:14	1:27	8:47	86%
	49.8kW	-1.0 GeV/c	production run	18:14	24:00	5:45	1:42	4:03	70%
2018/1/31	49.8kW	-1.0 GeV/c	production run	0:00	9:00	9:00	0:58	8:01	89%
2018/2/1	50.7kW	-1.0 GeV/c	production run	16:00	24:00	7:59	1:39	6:20	79%
2018/2/2	50.7kW	-1.0 GeV/c	production run	0:00	24:00	24:00	2:04	21:55	91%
2018/2/3	50.7kW	-1.0 GeV/c	production run	0:00	24:00	24:00	1:04	22:55	96%
2018/2/4	50.8kW	-1.0 GeV/c	production run	0:00	24:00	24:00	1:36	22:23	93%
2018/2/5	50.8kW	-1.0 GeV/c	production run	0:00	24:00	24:00	1:25	22:34	94%
2018/2/6	50.8kW	-1.0 GeV/c	production run	0:00	24:00	24:00	4:43	19:16	80%
2018/2/7	50.8kW	-1.0 GeV/c	production run	0:00	9:00	9:00	1:12	7:47	87%
2018/2/8	50.3kW	-1.0 GeV/c	production run	9:46	24:00	14:13	0:42	13:30	95%
2018/2/9	50.3kW	-1.0 GeV/c	production run	0:00	24:00	24:00	2:24	21:35	90%
2018/2/10	50.3kW	-1.0 GeV/c	production run	0:00	9:00	9:00	0:47	8:12	91%
2018/2/15	49.6kW	-1.0 GeV/c	production run	0:25	24:00	23:34	1:39	21:54	93%
2018/2/16	49.8kW	-1.0 GeV/c	production run	0:00	24:00	24:00	7:24	16:35	69%
2018/2/17	50.4kW	-1.0 GeV/c	production run	0:00	24:00	24:00	17:04	6:55	29%
2018/2/18	50.4kW	-1.0 GeV/c	production run	0:00	24:00	24:00	1:12	22:47	95%
2018/2/19	50.4kW	-1.0 GeV/c	production run	0:00	24:00	24:00	0:43	23:17	97%
2018/2/20	50.4kW	-1.0 GeV/c	production run	0:00	24:00	24:00	1:31	22:28	94%
2018/2/21	50.4kW	-1.0 GeV/c	production run	0:00	9:00	9:00	1:39	7:20	82%
2018/2/22	51.1kW	-1.0 GeV/c	production run	23:28	24:00	0:31	0:00	0:31	100%
2018/2/23	51.1kW	-1.0 GeV/c	production run	0:00	24:00	24:00	1:31	22:28	94%
2018/2/24	51.1kW	-1.0 GeV/c	production run	0:00	24:00	24:00	2:03	21:56	91%
2018/2/25	51.1kW	-1.0 GeV/c	production run	0:00	5:32	5:32	0:15	5:17	95%
			sum			515:27	72:26	443:00	86%

