

J-PARC Hadron Hall : EXPERIMENTAL REPORT on RUN#68,69

		Date(submitted)	2016/07/12
Group	E07	Beam line	K1.8
Reporter	Name Hiroyuki Ekawa	e-mail address ekawa@scphys.kyoto-u.ac.jp	
Experimenters	<p>Kyoto Univ : H.Ekawa, S.Kanatsuki, T.Nanamura, M.Hirose, S.Ashikaga, M.Ichikawa, K.Inaba, A.Koshikawa, Y.Takahashi, T.Takeda, S.Matsumoto, K.Watanabe</p> <p>Osaka Univ. : S.Hayakawa, R.Honda, M.Nakagawa, Y.Nakada, K.Kobayashi, A.Iskendir</p> <p>Gifu Univ. : S.Kinbara, K.Nakazawa, Y.Endo, A.M.M.Theint, D.Nakashima, G.S.Huai, R.Goto, Y.Nagase, R.Murai</p> <p>Tokai Univ. : R.Kiuchi</p> <p>Tohoku Univ. : H.Tamura, T.Koike, K.Miwa, T.Yamamoto, Y.Sasaki, M.Fujita, Y.Ogura, S.Ozawa, H.Kanauchi</p> <p>Seoul National Univ. : J.Y.Lee, T.Moon</p> <p>Nagoya Univ. : K.Ito, T.Watabe</p> <p>Korea Univ. : J.K.Ahn, S.H.Kim, W.S.Chung</p> <p>JAEA : Y.Ichikawa, H.Sugimura, S.Sato, S.Hasegawa, H.Sako, K.Tanida, K.Imai</p> <p>KEK : M.Ukai</p> <p>KRISS : S.H.Hwang</p> <p>Univ. of New Mexico : B.Bassalleck</p> <p>Shanxi Normal Univ. : T.Ma, Z.Zhang</p>		
Summary and Results			
KURMA commissioning : 5.0 days (5/28 - 6/12, 6/25, 6/30)			
<ul style="list-style-type: none"> - Signal timing check - Detector study <ul style="list-style-type: none"> • Drift chambers, Aerogel Cerenkov counters, MPPC counters - Beam tuning <ul style="list-style-type: none"> • -1.8 GeV/c K- beam • -1.8 GeV/c pbar beam • -0.6 GeVc pbar beam - Beam through run <ul style="list-style-type: none"> • -1.8 GeV/c (w/o KURAMA, w/KURAMA) • +1.4 GeV/c, +1.2 GeV/c, +1.0 GeV/c (w/KURAMA) - CH2 target run <ul style="list-style-type: none"> • 19h + 7h + 5h + 1h = 32h - Diamond target run <ul style="list-style-type: none"> • 7.5h +16h + 4h + 4h = 31.5h 			

- High rate beam study
 - 8M pi beam

Emulsion exposure : 4.9 days (6/12, 6/18 – 6/30)

Number of emulsion : 18 stacks

- Pattern matching
 - -1.8 GeV/c pbar
 - -0.6 GeV/c pbar
- Production run
 - -1.8 GeV/c K-

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

KURAMA commissioning : 5.0 days (plan : 6 days)

Emulsion exposure : 4.9 days (plan : 6 days)

Total down time : 5 days

Extended time : 2.9 days

User time efficiency : 66.2%

Beam condition

- K- : 260k/spill , pi : 60k/spill

Comments/Requests