E224 (HC) K. Imai
Search for the H-dibaryon

Submitted	(1990.2.3, extension:1991.6.19)
Approved	1990.3.6, extension:1991.7.16
Beam line	K2
Shift requested	120+60
Shift executed	308
Executed cycles	90[9,10], 91[1,2,3,5,6,7,8,9,10]

Papers and activities

[Legend]
- ● Physics papers published in refereed journal
- ○ Technical papers
- ★ PhD theses
- ◇ Conference and Symposium
- ∗ Internal Report and others

● J. K. Ahn et al.
Search for H Dibaryon by Scintillating Fiber Track Detector
Nucl. Phys. A547 (1992) 211c.

● Y. Itow et al.
Search for H dibaryon by scintillating-fiber track detector
Nuovo Cimento A107 (1994) pp.2415-2420.

● J.K. Ahn et al.
Search for the H dibaryon in (K^-, K^+) reaction with scintillating fiber active target
Phys. Lett. B 378 (1996) 53.

● J.K. Ahn et al.
Scalar and vector meson production and two-step processes in the (K^-, K^+) reaction on ^{12}C
Nucl. Phys. A 625 (1997) 231.

● J.K. Ahn et al.
Enhanced ΛΛ production near threshold in the $^{12}C(K^-, K^+)$ reaction
Phys. Lett. B 444 (1998) 267.

● T. Fukuda et al.
Cascade hypernuclei in the (K^-, K^+) reaction on ^{12}C
Phys. Rev. C 58 (1998) 1306.

● J.K. Ahn et al.
H-dibaryon and hypernucleus formation in the $\Xi^{-12}C$ reaction at rest
Phys. Rev. C62: 055201 (2000)

● J.K. Ahn et al.
Measurement of the Ξ^-p Scattering Cross Sections at Low Energy
Phys. Lett. B633 (2006) 214-218

★ M.S. Chung
Escaping Probability of Ξ^- in Carbon Nucleus via (K^-, K^+) Reaction
Korea University, December, 1994

★ S. Yamashita
H-Dibaryon Search via (K^-, K^+) Reactions in Scintillating Fiber Target
Kyoto University, March, 1995

★ Y. Itow
Search for H dibaryon in S-p decay with scintillating fiber target as triggerable visual detector

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● Physics papers published in refereed journal.
○ Technical papers.
★ PhD theses.
◇ Conference and Symposium.
∗ Internal Report and others.

Kyoto University, October, 1995

★ J.L. Ahn
Double Strangeness Production via (K^-, K^+) Reaction
Korea University, December, 1997

★ J.L. Ahn
Study of Double-Strangeness Systems with a Scintillating Fiber Target
Kyoto University, June, 2000

◇ J.K. Ahn et al.
Ξ^-p Scattering and Stopped-X^{-12}C Reaction
Proc. APCTP Workshop on Strangeness Nuclear Physics (SNP'99), Seoul, February 19-22, 1999. Strangeness Nuclear Physics, eds.I.T.Cheon, S.W. Hong and T.Motoba (World Sceinti c, 2000) 13.

● Physics papers published in refereed journal.
○ Technical papers.
★ PhD theses.
◇ Conference and Symposium.
∗ Internal Report and others.