

E176 (H) K.Imai

Search for $\Lambda\Lambda$ Hypernuclei and/or the H Particle

Submitted	(1987.5.18)
Approved	1987.6.15
Beam line	K2
Shift requested	80
Shift executed	215.4
Executed cycles	(87[10,11]), 87[14], 88[1,3,5,6,7,8,9,10,11,13,14], 89[1,2]

Papers and activities

[Legend]

- Physics papers published in refereed journal
- Technical papers
- ★ PhD theses
- ◇ Conference and Symposium
- * Internal Report and others

- A. Konaka et al.
Plastic Scintillating Fibers for Track Detection
Nucl. Instr. Meth. Phys. Res., A256 (1987) 70.
- S. Aoki et al.
Search for the H Dibaryon in (K^- , K^+) Reactions
Phys. Rev. Lett. 65 (1990) 1729.
- S. Aoki et al.
Evidence of weak decay of heavy double hypernuclei
Prog. Theor. Phys. 85 (1991) pp.951-956
- S. Aoki et al.
Direct observation of sequential weak decay of a double hypernucleus
Prog. Theor. Phys. 85 (1991) pp.1287-1298
- T. Iijima et al.
(K^- , K^+) Reaction on Nuclear Targets at $P_{K^-} = 1.65$ GeV/c
Nucl. Phys. A546 (1992) 588.
- S. Aoki et al.
Production of Two Single- Λ Hypernuclei by Ξ^- Capture
Prog. Theor. Phys. 89(1993) 493.
- S. Aoki et al.
Production of a twin single hypernuclei and the Ξ^- -nuclear interaction
Phys. Lett. **B355** (1995) pp.45-51
- S. Aoki et al.
Quasifree $p(K^-, K^+)\Xi^-$ reaction in nuclear emulsion
Nucl. Phys. **A644** (1998) pp.365 - 385
- ★ T. Nalano
Search for H-dibaryon in the (K^- , K^+) reaction
Kyoto university, January 1991
- ★ H. Tajima
 Ξ^- 粒子の原子核吸収反応における double hyper 核生成の研究 (in Japanese)
Nagoya university, June 1991
- ★ S. Nakanishi
Double hyper 核のカスケード崩壊の直接観測 (in Japanese)

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- Physics papers published in refereed journal.
 - Technical papers.
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 - ◇ Conference and Symposium.
 - * Internal Report and others.

- Nagoya University, June 1991
- ★ S. H. Chung
The observation of S=-2 hypernucleus
Gyeongsang National University, August 1993
 - ★ C. S. Yoon
Nuclear Capture of Ξ^- Hyperons
Gyeongsang National University, August 1993
 - ★ N. Yasuda
Quasi-free (K^- , K^+) reactions in nuclear emulsion
Toho university, March 1996
 - ◇ M. Ieiri et al.
The Tuning of the KEK-PS K2 Beam Line for the Hybrid-Eulsion Experiment
17th INS Int. Symp. on Nucl. Phys. at Intermediate Energy
Nov.15-17, 1988, Tokyo
 - ◇ K. Imai
Quark and Nuclear Matter with Strangeness
PANIC XII (The 12th Int. Conf. on Particle and Nuclei), MIT, USA, June 24-29, 1990, KUNS 1034
 - ◇ K. Imai
S=-2 Nuclei Studied by Eulsion-Counter Hybrid Experiment
The Int.Symp. on Hypernuclear and Strange Particle Physics, Shimoda, Japan, Dec.,1991,
Nucl.Phys.A547 (1992) 199c, KUNS 1137
 - ◇ K. Imai
Search for Double Strangeness Systems
Nucl. Phys. A553 (1993) 667c. The Int. Nucl. Phys. Conf. at Wiesbaden, Germany (July 1992),
KUNS 1156

● Physics papers published in refereed journal.
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* Internal Report and others.