

E64 (π I) T.Tsuru
Studies of 2π , 3π States in π^-p Charge Exchange Reaction

E121 (π I II) T.Inagaki
Study of a Few Pion States in π^-p Charge Exchange Reaction

E64

Submitted	1978.5.25
Approved	1979.6.1
Beam line	π 1
Shift requested	150
Shift executed	165.7
Executed cycles	81[11,12,13], 82[3,4,6,7,8,9,10,11,12,13,14,15,16], 83[1,2,3,6,7,8,9]

E121

Submitted	1983.3.31
Approved	1983.4.20
Beam line	π 1
Shift requested	120
Shift executed	62.4
Executed cycles	83[10,11,12,13], 84[2,3]

Papers and activities

[Legend]

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

- A.Ando et al.
Evidence for Two Pseudoscalar Resonances of the $\eta\pi^+\pi^-$ System in the D(1285) and E/ ι Regions
Phys. Rev. Lett. 57 (1986) 1296.
- A.Ando et al.
Axial Vector Resonances a_1 and h_1 of $\pi^+\pi^-\pi^0$ Systems in π^-p Charge Exchange Reaction at 8.06 GeV/c
Phys. Lett. B291 (1992) 496.
- T.Inagaki and R.Takashima
New Types of Plastic Scintillators
Nucl.Instr.Meth. 201(1982) 511.
- T.Inagaki et al.
Large Aperture Superconducting Magnet (BENKEI)
Teionkogaku 18 (1983) 296 (in Japanese).
- M.Ikeno et al.
Data Acquisition System with Encoder and Buffer Memory Modules
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Cryogenics Feb. (1984) 83.

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

- M.Kobayashi et al.
An $Nal(Tl)$ - ^{241}Am High Reliability, Constant Amplitude Light Pulser
Nucl. Instr. Meth. 224 (1984) 318.
- ★ J.Shirai
Measurement of the Differential Cross Sections of η and η' Produced in π^-p Charge Exchange Reactions at 8.06 GeV/c.
Kyoto University, 1985
- ★ K.Ohmi
Experimental Study of $\pi^-p \rightarrow \pi^+\pi^-\pi^0\eta$ and $\pi^+\pi^-\eta$ Process at 8.06 GeV/c.
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- ★ R. Takashima
Experimental Study on the Reaction $\pi^-p \rightarrow K^+K^-\pi^+\eta$ at 8.06 GeV/c.
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- ◇ A. Ando et al.
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- ◇ T. Tsuru
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- ◇ T. Inagaki and K.Ohmi
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- ◇ T. Tsuru
Meson Spectroscopy Experiment at KEK - E1 Puzzle -.
Proc. of the International Workshop on Nucl. Phys. in GeV Region, KEK, Nov. 13-15, 1984., KEK Report 84-20, p101.
- ◇ K. Ohmi
Experimental Review of Meson Spectroscopy.
Proc. of the Meeting on Few-Body Problems, KEK, Oct. 3-5, 1985., KEK Report 85-13, p1.
- ◇ T. Inagaki
Meson Spectroscopy Experiment in Charge Exchange Process.
Proc. of the Meeting on Few-Body Problems, KEK, Oct. 3-5, 1985., KEK Report 85-13, p24.
- ◇ A. Ando et al.
Evidence for a New Pseudoscalar Resonance in $\eta\pi^+\pi^-$ System in the E/t Region Produced by π^-p Charge Exchange Reaction.
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- ◇ A. Ando et al.
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- ◇ S. Fukui et al.
Study of the $\eta\pi^+\pi^-$ System in E/t Region Produced by π^-p Charge Exchange Reaction at 8.95 GeV/c.
Proc. of the Second International Conference on Hadron Spectroscopy, April 16-18, 1987, KEK, Tsukuba, KEK 87-7 (1987) 477.
- ◇ A. Ando et al.
Study of the $\pi^+\pi^-\pi^0$ system in π^-p Charge Exchange Reaction at 8.06 GeV/c.
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- ◇ A. Ando et al.
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● Physics papers published in refereed journal.

○ Technical papers.

★ PhD theses.

◇ Conference and Symposium.

* Internal Report and others.

- ◇ K. Takamatsu
Experimental studies on Meson Spectroscopy at KEK
Proc. 2nd Int. Conf. Hadron Spectroscopy, Hadron89, Sep. 23-27, 1989, Ajaccio, Edition Frontieres (1990) 71 and KEK 89-154, 1989.
- ◇ T. Inagaki
A Series of Experiments at KEK for Light Quark Meson Spectroscopy, E64/121/135
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- * T. Tsuru et al.
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KEK Report 84-4, May 1984.
- * A. Ando et al.
High Statistics Study of $\pi^-p \rightarrow \pi^+\pi^-\pi^0n$ and $\pi^+\pi^-\eta n$ Reactions at 8.06 GeV/c
High Energy Conf. Leipzig, DDR, 19-27 July, KEK Preprint 84-7
- * A. Ando et al.
Evidence for a New Pseudoscalar Resonance of $\eta\pi^+\pi^-$ System in the E/t Region Produced by π -p Charge Exchange Reaction
KEK-Internal 85-15, 1986
- * T. Tsuru
Glueball Tansaku to E/t Puzzle
Butsuri Gakkaishi 41-9 (1986)
- * T. Tsuru
Short Review of Light Quark Spectroscopy
Proc. of the Symposium on Hadron Spectroscopy, KEK, Jan.8-9, 1987
- * T. Tsuru and K. Takamatsu
Proc. of the Second International Conference on Hadron Spectroscopy, April 16-18, 1987
- * J. Iizuka
Light Meson Spectroscopy ni kansuru shomondai
Proc. Meeting for Studies on Meson Spectroscopy in 1-2 GeV Region, KEK, Aug.8-10, 1989, KEK Report 90-6 (1989) 11.
- * T. Nakaura
 $\pi\pi$ Analysis IV-S(750) Resonance ni tsuite
Proc. Meeting for Studies on Meson Spectroscopy in 1-2 GeV Region, KEK, Aug.8-10, 1989, KEK Report 90-6 (1989) 19.
- * K. Takamatsu
1.2-1.5 GeV/c² Ryouiki no Pseudoscalar, Axialvector Tyukanshi- e^+e^- , $\gamma\gamma$, Hadron hannou
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- * K. Takamatsu
Meson Spectroscopy no Kenkyu-Exotic Joutai no Tansaku

● Physics papers published in refereed journal.

○ Technical papers.

★ PhD theses.

◇ Conference and Symposium.

* Internal Report and others.

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