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	$\pi 1$
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	$\pi 1$
Shift requested	120
Shift executed	62.4
Executed cycles	83[10,11,12,13], 84[2,3]

Papers and activities

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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.

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Experimental study of the axial-vector resonances of a_1 and h_1 in the π -p charge exchange reaction Phys. Lett. B291 (1992) 496.

O T.Inagaki and R.Takashima

New Types of Plastic Scintillators

Nucl.Instr.Meth. 201(1982) 511.

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Large Aperture Superconducting Magnet (BENKEI)

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O M.Ikeno et al.

Data Acquisition System with Encoder and Buffer Memory Modules Nucl. Instr. Meth. 225 (1984) 347.

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- O Technical papers.
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An *NaI(Tl)*-²⁴¹*Am* High Reliability, Constant Amplitude Light Pulser Nucl. Instr. Meth. 224 (1984) 318.

★ J.Shirai

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Kyoto University, 1985

★ K.Ohmi

Experimental Study of $\pi^- p \rightarrow \pi^+ \pi^- \pi^0 \eta n$ and $\pi^+ \pi^- \eta n$ Process at 8.06 GeV/c. Tsukuba University, 1985

* R. Takashima

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Kyoto University, 1986

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T. Tsuru

Recent Status of Meson Spectroscopy - exotic states -.

Proceeding of the Meeting on Hadron Spectroscopy, KEK Feb. 5-6, 1985., KEK Report 85-14, p1.

T. Inagaki and K.Ohmi

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Proc. of the International Workshop on Nucl. Phys. in GeV Region, KEK, Nov. 13-15, 1984., KEK Report 84-20, p101.

♦ K. Ohmi

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T. Inagaki

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Evidence for a New Pseudoscalar Resonance in $\eta \pi^+ \pi^-$ System in the E/ ι Region Produced by $\pi^- p$ Charge Exchange Reaction.

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1985 Internatinal Symposium on Lepton and Photon Interactions at High Energies, Kyoto, Aug. 19-24, 1985, KEK Preprint 85-15, June 1985.

♦ S. Fukui et al.

Study of the $\eta\pi^+\pi^-$ System in E/ ι Region Produced by π^-p Charge Exchange Reaction at 8.95 GeV/c.

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A. Ando et al.

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♦ K. Takamatsu

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^{*} Internal Report and others.

Experimental studies on Meson Spectroscopy at KEK

Proc. 2nd Int. Conf. Hadron Spectroscopy, Hadron 89, Sep. 23-27, 1989, Ajaccio, Edition Frontieres (1990) 71 and KEK 89-154, 1989.

A Series of Experiments at KEK for Light Quark Meson Spectroscopy, E64/121/135

Proc. of BNL Workshop on Glueballs, Hybrids and Exotic Hadrons, AIP Conf. Proc. 185(1988)35

♦ K. Ohmi

Axial Vector Resonances a1 and h_1 of $\pi^+\pi^-\pi^0$ Systems in π^-p Charge Exchange Reaction at 8.06 GeV/c

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♦ K.Ohmi

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* A.Ando et al.

Electron Beam Test of the Active Converter Device. KEK-79-21, 1979.

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New Online Program with Encoder and Memory Buffer Modules (in Japanese).

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* A. Ando et al.

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* A. Ando et al.

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* T.Tsuru

Glueball Tansaku to E/ı 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

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* J.Iizuka

Light Meson Spectroscopy ni kansuru shomondai

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* 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 Pseudscalar, Axialvector Tyukanshi-e⁺e⁻, γγ, Hadron hannou

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* K.Takamatsu

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- Physics papers published in refereed journal.
- O Technical papers.
- ★ PhD theses.
- ♦ Conference and Symposium.
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Technical papers.
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