

E179 ($\eta\pi$) T. Tsuru :
Search for the $\eta\pi$ Resonance with $I=1, J^{PC}=1^{-+}$

Submitted	(1987.6.2)
Approved	1988.2.26
Beam line	T3
Shift requested	110
Shift executed	289.6
Executed cycles	88[8,9,10,11,12,13,14], 89[1,2,3,5,6,7,8,9,10,11], 90[1,2]

Papers and activities

[Legend]

- Physics papers published in refereed journal
 - Technical papers
 - ★ PhD theses
 - ◇ Conference and Symposium
 - * Internal Report and others
- H. Aoyagi et al.
Study of $\eta\pi^0$ System in the π -p Reaction at 6.3 GeV/c
Phys. Lett. B314 (1993) 246.
 - ★ T. Matsuda
Study on the $\eta\pi^-$ System in the $\pi^-p \rightarrow \eta\pi^-p$ Reaction at 6.3 GeV/c
Submitted to Nagoya University, 1993.
 - ◇ T. Iwata
E179 Experiment at KEK - Search for 1^+ Resonances in the $\eta\pi^-$ Channel
Invited talk at BNL Workshop, BNL Aug.29 - Sept.1, 1988.
Proc. of BNL Workshop on Glueballs, Hybrids and Exotic Hadrons, AIP Conf. Proc. 185 (1988) 678.
 - ◇ K. Takamatsu
Experimental Studies on Meson Spectroscopy at KEK
Invited talk at Hadron Spectroscopy Conf. Ajaccio(France) Sept.23-27, 1989; Proc. of 3rd Int. Conf. on Hadron Spectroscopy, Edition Frontieres (1990) 71, KEK 89-154, 1989.
 - ◇ H. Aoyagi et al. (Presented by T. Tsuru)
Study on the $\omega\pi^0$ and $\eta\pi^-$ Systems in the π^-p Reaction at KEK
Invited talk at Rheinfels Workshop on Hadron Mass Spectrum, St. Soar on the Rhine(FRD), Sept.3-6, 1990; Proc. of Rheinfels Workshop on the Hadron Mass Spectrum, Nucl. Phys. B21(Proc. Suppl.) (1991) 158.
 - ◇ H. Aoyagi et al. (Presented by T. Matsuda)
Study on the $\eta\pi^-$ System in the $\pi^-p \rightarrow \eta\pi^-p$ Reaction at 6 GeV/c
Invited talk at Int. Conf. on Hadron Spectroscopy, Hadron91, College Park, Washington D.C., Aug. 12-16, 1991; Proc. of Int. Conf. on Hadron Spectroscopy, Hadron91, World Scientific (1992) 34.
 - ◇ H. Aoyagi et al. (Presented by T. Matsuda)
Study on the $\eta\pi^-$ System in the $\pi^-p \rightarrow \eta\pi^-p$ Reaction at 6.3 GeV/c
Invited talk at Morion Conference, Morion, March, 1993.
 - ◇ H. Aoyagi et al. (Presented by K. Takamatsu)
Study on the $\eta\pi^-$ System in the $\pi^-p \rightarrow \eta\pi^-p$ Reaction at 6 GeV/c
Invited talk at Int. Conf. on Hadron Spectroscopy, Hadron93, Lake Como, Italy, June 21-25, 1993.
 - * K. Takamatsu

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

Meson Spectroscopy - Exotic Search

Proc. of the Workshop on 12 GeV PS Experiments, KEK Oct.12 - 13, 1987.

- * T. Iwata
KEK E179 Jikken $\eta\pi^-$ Channel ni okeru 1^+ Kyoumei no tansaku
Proc. Meeting for Studies on Meson Spectroscopy in 1 - 2 GeV Region, KEK, Aug.8 - 10, 1989;
KEK Report 90-6 (1989) 5.
- * K. Takamatsu
 $1.2 - 1.5 \text{ GeV}/c^2$ Ryouiki no Pseudoscalar, Axialvector tyukanshi - e^+e^- , $\gamma\gamma$, Hadron hannou ni okeru Jikken kekka
Proc. Meeting for Studies on Meson Spectroscopy in 1 - 2 GeV Region, KEK, Aug.8 - 10, 1989;
KEK Report 90-6 (1989) 48.
- * K. Takamatsu
Meson Spectroscopy no Kenkyu - Exotic joutai no tansaku
Gakujutsu Geppou Vol.34, 4(1990) 349.
- * T. Matsuda
 $\eta\pi^-$ System in the π^-p Reaction, Search for 1^+ exotic states
Proc. 3rd Workshop on Light Quark Meson Spectroscopy, Feb. 28-29, 1992, KEK; KEK Proc. 92-8 (1992) 1.
- * K. Takamatsu
Exotic tyukanshi no tansaku -GAMS kyodoukennkyuu-
High Energy Quarterly, Vol.9, 3(1992) 94.
- * T. Matsuda
Study of the $\eta\pi^-$ System in the π^-p Charge Exchange Reaction
Talk at Mini-Workshop on Meson Spectroscopy, Nov. 6-7, 1992, KEK.

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