

E12(π DD) T.Hirose
Study of π^-p Three-Body Reaction with Emphasis on Diffraction

Submitted	1975.3.31
Approved	1975.5.2
Beam line	K1
Shift requested	1000k photos
Shift executed	280k photos
Executed cycles	77[1], 78[1]

Papers and activities

[Legend]

- Physics papers published in refereed journal
 - Technical papers
 - ★ PhD theses
 - ◇ Conference and Symposium
 - * Internal Report and others
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- T.Hirose et al.
Phenomenological Analysis of Nucleon Diffraction Dissociation in the Drell-Hiida-Deck Model
Prog. Theor. Phys. 57 (1977) 1334
 - T.Hirose et al.
Narrow Mass Enhancement at 1.36 GeV Observed in the Diffractive (πN) Systems
Nuove Cimento 50A (1979) 120
 - C.Fukunaga et al.
Study of (πN) and ($\pi \pi N$) Mass Enhancements in Nucleon Diffraction Dissociation
Nuovo Cimento 58A (1980) 199.
 - T.Hirose and S.Ishida
New Mass Enhancements in the Diffractive Nucleon System and Five-Quark Exotic Levels
Prog. Theor. Phys. 64 (1980) 1096.
 - C.Fukunaga et al.
A Novel Approach to Pomeron Exchange on the Basis of Gluon Bremsstrahlung
Nuovo Cimento 31 (1981) 328
 - Y.Hattori et al.
Quark-Parton Model Aspect of Diffraction Dissociation from Feynman- and Bjorken – Variable
Distribution
J. Phys. Soc. Japan 51 (1982) 3761.
 - T.Emura et al.
Multi-dimensional Analysis of the Three-Body Reaction $\pi^-p \rightarrow \pi^- \pi^+ n$ at 6 GeV/c
J. Phys. Soc. Japan 51 (1982) 1357.
 - Y.Hattori et al.
Dual Display System for Multi-Dimensional Data Analysis of High Energy Physics
Japan. J. Appl. Phys. 21 (1982) 381.
 - ★ C.Fukunaga
Quark-Parton Structure of Diffraction Dissociation
Tokyo Metropolitan University, 1981
 - ★ T.Emura
Multi-dimensional Analysis of the Three-Body Reaction $\pi^-p \rightarrow \pi^- \pi^+ n$ at 6 GeV/c
Tokyo Metropolitan University, 1982
 - ◇ T.Hirose

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

Further Evidence of Narrow Mass Enhancements Observed in the Diffractive (πD) and ($\pi\pi N$) System

Proc. of '79 INS Symposium on Particle in GeV Region.

◇ T.Hirose et al.

New (πN) and ($\pi\pi N$) Mass Enhancements in Diffraction Dissociation

Proc. of the 2nd Meeting on Exotic Resonance (Hiroshima Feb.2-4, 1980)

◇ T.Hirose

Exotic Resonance and Quark-Parton Aspects of Diffraction Dissociation

Proc. of the Japan-VS Seminar on High Energy Nuclear Interaction and Properties of Dense Nuclear Matter (Hakone, July, 1980)

* M.Markytan et al.

Exclusive and Inclusive Diffraction Dissociation in the Quark-Parton Picture

KEK 81-9, August, 1981, T/E.

● Physics papers published in refereed journal.

○ Technical papers.

★ PhD theses.

◇ Conference and Symposium.

* Internal Report and others.