

E21(π N) R.Kajikawa
Measurements of Differential Cross Section and Polarization for π^- p Elastic Scattering at 2-4 GeV/c

Submitted	1975.4.2
Approved	1975.5.2
Beam line	$\pi 2$
Shift requested	138
Shift executed	130
Executed cycles	78[1,2,3]

Papers and activities

[Legend]

- Physics papers published in refereed journal
 - Technical papers
 - ★ PhD theses
 - ◇ Conference and Symposium
 - * Internal Report and others
-
- M.Fukushima et al.
Backward Polarization of π^- p Elastic Scattering from 2.22 to 3.50 GeV/c
Nucl. Phys. B167 (1980) 307.
 - S.Terada et al.
High-Precision Measurement of π^- p Elastic Scattering in a Wide Angular Range at Incident Momenta Between 2.06 and 3.48 GeV/c
Nucl. Phys. B175 (1980) 1.
 - M.Fukushima et al.
Construction and Performance of a Large-Aperture Wire-Chamber Spectrometer for Pion Scattering Experiments at KEK
Japan. J. Appl. Phys.19 (1980) 2483.
 - K.Amako et al.
High-Precision Field Measuring System for a Large-Aperture Spectrometer Magnet
Nucl. Instr. Meth. 197(1982) 325.
 - ★ K.Amako
Precise Measurement of the Cross Section for 2.46 GeV π^- p Elastic Scattering at all Angles
Osaka University, 1979
 - ★ T.Shimoura
Measurement of Backward Polarization in π^- p Elastic Scattering (in Japanese)
Nagoya University, 1980
 - ★ T.Matsui
Measurements and Analysis of Differential Cross Sections and Polarization Parameters of Intermediate-Energy π^- p Elastic Scattering (in Japanese)
Nagoya University, 1980
 - ★ S.Terada
Precise Measurement of the Differential Cross Section for the π^- p Elastic Scattering around 3 GeV/c
Hiroshima University, 1980
 - ★ S.Kadota
Precise Measurement of the Differential Cross Section for the π^- p Elastic Scattering below 2.65 GeV/c

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

- Hiroshima University, 1979
- ◇ M.Fukushima et al.
Measurement of the Cross Section of π^-p Elastic Scattering between 2.1 and 3.5 GeV/c
Contributed paper, 19th Int. Conf. on High Energy Physics, Tokyo, August, 1978
DPNU-41-78, Sept. 1978, Nagoya Univ.
 - ◇ M.Fukushima et al.
Backward Polarization of π^-p Elastic Scattering from 2.25 to 3.50 GeV/c Contributed paper, 19th
Int. Conf. on High Energy Physics, Tokyo, August, 1978
DPNU-42-78, Sept. 1978, Nagoya Univ.
 - ◇ T.Shimomura (talk)
Measurement of Differential Cross Section and Backward Polarization in π^-p Elastic Scattering
from 2.1 to 3.5 GeV/c
Proc. of '79 INS Symposium on Particle Physics in GeV Region, page 277(1979),
INS, Univ. of Tokyo
 - * T.Matsui
Analysis of πN Backward Scattering Amplitude at Intermediate Energy
DPNU-37-80, Oct. 1980, Nagoya Univ.
 - * S.Iwata et al.
Construction and Performance of Multiwire Proportional Chambers
DPNU-38-78, Sept. 1978, Nagoya Univ.
 - * N.Horikawa et al.
Polarized Target System Used in π^-p Experiment
DPNU-11-79, March 1979, Nagoya Univ.
 - * K.Amako et al.
Control System of the Field Measuring Machine of a Large Aperture Spectrometer Magnet
KEK-EXP. FACILITIES-78-7, Oct.1978, KEK-Report
 - * K.Amako et al.
Field Measuring Machine for a Large-Aperture Spectrometer Magnet
KEK-EXP.FACILITIES-78-8, Oct. 1978, KEK-Report
 - * K.Amako et al.
Field Reconstruction for the KEK
Large-Aperture-Spectrometer-Magnet "TOKIWA"
KEK-78-15, Oct.1978, KEK-Report

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