

E270 (PXN) Y. Wakuta
Measurement of Neutron Production Cross Section

E291 (PXN) K. Ishibashi
Measurement of Neutron Production Cross Section II

E417 (PXN) K. Ishibashi
Neutron Production Cross Section in π Nuclei reactions

E443 (PXN) N. Shigyo
Neutron-Production Differential Cross Sections in the (p,nx) Reaction at Forward Angle

E270

Submitted	(1992.2.21)
Approved	1992.3.24
Beam line	$\pi 2$
Shift requested	100
Shift executed	46
Executed cycles	92[3,6,7,8]

E291

Submitted	1993.2.19
Approved	1993.3.19
Beam line	$\pi 2$
Shift requested	80
Shift executed	83
Executed cycles	93[3,4,5]

E417

Submitted	
Approved	1997.7.22
Beam line	$\pi 2$
Shift requested	40
Shift executed	45
Executed cycles	98[2]

E443

Submitted	
Approved	1999.11.25
Beam line	$\pi 2$
Shift requested	60
Shift executed	63
Executed cycles	00[5]

Papers and activities

[Legend]

- Physics papers published in refereed journal
- Technical papers

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

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- * Internal Report and others

- T. Nakamoto et al.
Spallation Neutron Measurement by the Time-of-Flight Method with a Short Flight Path
J. Nucl. Sci. Tech. 32 (1995) 827.
- K. Ishibashi et al.
Measurement of Neutron-Production Double-Differential Cross Sections for Nuclear Spallation Reaction Induced by 0.8, 1.5 and 3.0 GeV Protons
J. Nucl. Sci. Tech. 34 (1997) 529.
- T. Nakamoto et al.
Experimental Neutron-Production Double-Differential Cross Section for the Nuclear Reaction by 1.5 GeV π^+ Mesons Incident on Iron
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- K. Iga et al.
Measurement of Gamma-Ray Production Double-Differential Cross Sections for the Spallation Reaction Induced by 0.8, 1.5 and 3.0 GeV Protons
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- D. Satoh et al.
Neutron-Production Double-Differential Cross Sections of Iron and Lead by 0.8 and 1.5 GeV Protons in the Most-Forward Direction
J. Nucl. Sci. Technol., 40 (2003) 283.
- Y. Iwamoto, et al
Measurement of pion induced neutron-production double-differential cross sections on Fe and Pb at 870 MeV and 2.1 GeV
Phys. Rev. C70, 024602 (8pages) August 2004.
- N. Shigyo, et al.
Measurement of 0.8 and 1.5 GeV Proton Induced Neutron Production Cross Section at 0 degree
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- T. Nakamoto et al.
Charged particle identification including Pions by pulse-shape discrimination with an NE213 Liquid scintillator
Rev. Sci. Instr. 66 (1995) 5327.
- S. Meigo et al.
Measurements of neutron spectra produced from a thick lead target bombarded with 0.5-and 1.5-GeV protons
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- D. Satoh et al.
Study of neutron detection efficiencies for liquid organic scintillator up to 3 GeV
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Experiment on Neutron Production Differential Cross Sections Induced by 0.8, 1.5 and 3.0 GeV Protons
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- ★ D. Satoh
Measurement of neutron-production double-differential cross sections for high energy proton incidence at most-forward direction

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

- Kyushu University, 2003.
- ◇ K. Ishibashi et al.
Experiments on (p,xn) Double-Differential Cross Sections on Incident-Protons of Intermediate Energies
Int'l Conference on Nuclear Data for Science and Technology, Trieste, May 19-24, 1997
 - ◇ K. Ishibashi et al.
Neutron Measurement for (p,Xn) Reaction with Protons of GeV Range
Proc. 1992 Symposium on Nuclear Data, Nov.26-27, 1992, JAERI, Japan, JAERI-M 93-046
 - ◇ K. Ishibashi et al.
Measurement of Neutron-Production Double-Differential Cross Sections for Incident Protons of 0.8, 1.5 and 3 GeV
Int'l Conf. on Nuclear Data for Science and Technology Gatlinburg, Tennessee, May 9-13, 1994
 - ◇ K. Ishibashi et al.
Measurement of Neutron-Production Double-Differential Cross Sections for Incident Protons of 0.8, 1.5 and 3 GeV
Proc. Int. Conf. Nuclear Data for Science and Technology, Gatlinburg, Tennessee, May 9-13, 1994
 - ◇ T. Nakamoto
Pulse Shape Discrimination Between Protons, Pions and Electrons with NE213 Liquid Scintillator
Proc. 9th WS Radiation Detectors and Their Uses, KEK, Tsukuba, Jan. 17-19, 1995
 - ◇ K. Ishibashi
Measurement of Neutron and Gamma-Ray Production Double Differential Cross Section at KEK
Proc. Second Specialists Meeting on High Energy Nuclear Data Jan. 26-27, 1995 JAERI, Tokai, Japan
 - ◇ K. Iga
Gamma-Ray Emission Cross Section From Proton-Incident Spallation Reaction
Proc. 1995 Symposium on Nuclear Data, Nov. 16-17, 1995 JAERI, Tokai, Japan
 - ◇ N. Shigyo et al.
Measurement of Neutron-Production Double-Differential Cross Sections for 0.8 and 1.5 GeV Proton Incidence in the Most-Forward directions
International Conference on Nuclear Data for Science and Technology, Tsukuba, October 7-12, 2001.
 - ◇ D. Satoh et al.
Development of SCINFUL-QMD code to calculate the neutron detection efficiencies for liquid organic scintillator up to 3GeV
International Conference on Nuclear Data for Science and Technology, Tsukuba, October 7-12, 2001.
 - ◇ D. Satoh et al.
Neutron Production by 0.8 and 1.5 GeV Protons on Fe and Pb Targets at the Most-Forward Region
The 2002 Symposium on Nuclear Data, Tokai-mura, November 21-22, 2002.
 - ◇ N. Shigyo et al.
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