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RESEARCH ACTIVITIES BY INS CYCLOTRON FACILITY

List of Publications in 1986-1991

Nuclear Physics Division

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Research activities made by the cyclotron facility and the related apparatuses at Institute for Nuclear Study (INS), University of Tokyo, have been reviewed in terms of the associated scientific publications. This publication list, which is to be read as a continuation of INS-Rep-608 (October, 1986), includes experimental works on low-energy nuclear physics, accelerator technology, instrumental developments, radiation physics and other applications in interdisciplinary fields. The publications are classified into the following four categories.

- (A) : Internal reports published in INS.
- (B) : Publications in international scientific journals on experimental research works done by the cyclotron facility and the related apparatuses at INS. Those made by outside users are also included.
- (C) : Publications in international scientific journals on experimental low-energy nuclear physics, which have been done by the staff of INS Nuclear Physics Division using facilities outside INS.
- (D) : Contributions to international conferences.

Notes: This report was compiled for those informed us until 31 April, 1992.

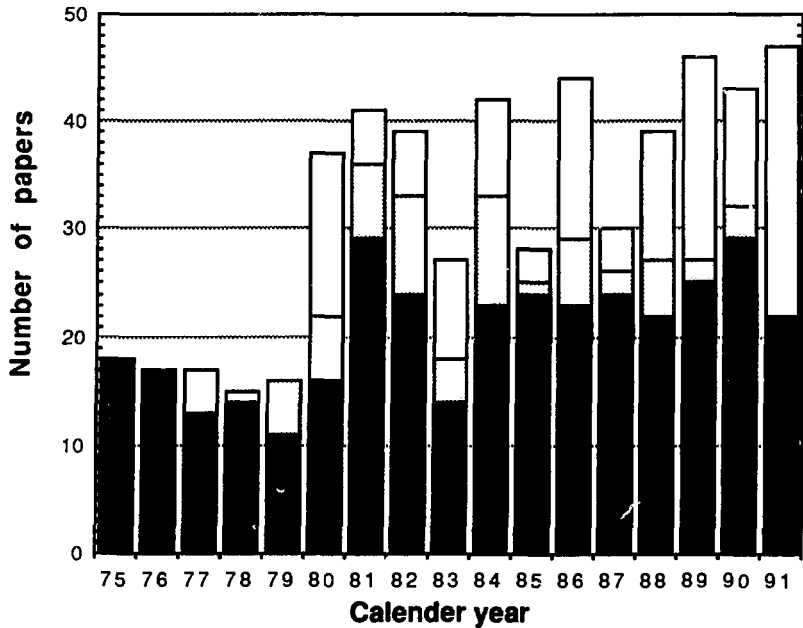
Table 1. Number of publications in 1975-1991.

year	(A)	(B)	(C)	(D)	subtotal
1975	10	8	0	0	18
1976	10	7	0	0	17
1977	3	10	0	4	17
1978	2	12	0	1	15
1979	4	7	5	0	16
1980	1	15	6	15	37
1981	10	19	7	5	41
1982	3	21	6	6	36
1983	4	10	4	9	27
1984	7	16	10	9	42
1985	1	23	1	3	28
1986	5	18	6	15	44
1987	11	13	2	4	30
1988	3	19	5	12	39
1989	10	15	2	19	46
1990	14	15	3	11	43
1991	2	20	0	25	47
total	100	248	57	138	543

The number of publications every year is tabulated in Table 1. The total number is 543, corresponding to the average number of 32 per year.

Fig. 1 in the next page shows the graphycal presentation.

NUMBER OF PUBLICATIONS IN 1975-1991



- (A) : Internal Reports Published in INS
- (B) : Publications in International Journals (I)
- (C) : Same as above (II)
- (D) : Contributions to International Conferences

Fig.1 Number of publications in 1975-1991.

The category (B) refers to experimental works done by the INS cyclotron facility and the related apparatuses, whereas (C) refers to works on low-energy nuclear physics carried out by INS staff using outside facilities.

1986

A-1 Precise Measurement of Ag KLL Auger-Spectrum

H. Kawakami, K. Nisimura, T. Ohshima, S. Shibata, Y. Shoji,
I. Sugai, K. Ukai, T. Yasuda, N. Morikawa, N. Nogawa,
T. Nagafuchi, F. Naito, T. Suzuki, H. Taketani, M. Iwahashi,
K. Hisatake, M. Fujioka, Y. Fukushima, T. Matsuda and
T. Taniguchi

INS-Rep. -613 (1986)

A-2 INS Gas-Filled Recoil Isotope Separator

M. Miyatake, T. Nomura, H. Kawakami, J. Tanaka, M. Oyaizu,
K. Morita, T. Shinozuka, H. Kudo, K. Sueki and Y. Iwata

INS-Rep. -605 (1986)

A 3 Ion-Guide Isotope Separator On-Line for Heavy Ion Reactions

T. Nomura

INS-Rep. -612 (1986)

A 4 A Comparative Study of the $^{13}\text{C}(p,p')^{13}\text{C}$ and $^{13}\text{C}(p,n)^{13}\text{N}$ Reaction at
 $E_p = 35 \text{ MeV}$

H. Ohnuma, B. A. Brown, D. Dehnhard, K. Furukawa, T. Hasegawa,
S. Hayakawa, B. Hoshino, K. Ieki, M. Kabasawa, K. Maeda,
K. Miura, K. Muto, T. Nakagawa, K. Nisimura, H. Orihara,
T. Suehiro, T. Tohei and M. Yasue

INS-Rep. -584 (1986)

A 5 Programs to Handle Experimental Data in SF Cyclotron

M. Yasue and K. Omata

INS-T-457 (1986)

B 1 Surface Barrier Silicon Radiation Detectors Improved by Using a
Tungsten Oxide for the Surface Stability

- Y. Ishizuka, C. Kim, Y. Kim, S. Ohkawa, K. Hushimi, S. Osada and M. Ishii
IEEE Trans. on Nucl. Sci. NS-33 (1986) 326
- B-2 High Spin States of 2s-1d Shell Nuclei Excited by (α, d) Reaction
Y. Kadota, Y. Ogino, K. Obori, Y. Taniguchi, T. Tanabe, M. Yasue and J. Shimizu
Nucl. Phys. A458 (1986) 523
- B-3 Q-Value Determination of the β^+ Decay of ^{60}Zn
H. Kawakami, S. Shibata, J. Tanaka, T. Toriyama, S. Noguchi, M. Mushano and K. Hisatake
J. Phys. Soc. Jpn. 55 (1986) 3014
- B-4 Self-Biased Silicon Detectors with A Built-in Field for Measuring Heavy Charged Particles
Y. Kim, C. Kim, S. Ohkawa, K. Hushimi and F. Shiraishi
IEEE Trans. Nucl. Sci. NS-33 (1986) 321
- B-5 Level Structure and Electromagnetic Properties in ^{212}Ra
T. Kohno, M. Adachi, S. Fukuda, M. Taya, M. Sugawara and Y. Ishikawa
Phys. Rev. C33 (1986)392
- B-6 $g_{9/2}$ Single Particle State in ^{28}Si
S. Kubono, K. Morita, M. H. Tanaka, A. Sakaguchi, M. Sugitani and S. Kato
Phys. Rev. C33 (1986) 1524
- B-7 Highly Excited High Spin States in ^{28}Si Studied through the $^{12}\text{C}(^{20}\text{Ne}, \alpha)$ Reaction
S. Kubono, K. Morita, M. H. Tanaka, A. Sakaguchi, M. Sugitani and S. Kato
Nucl. Phys. A457 (1986)461

B-8 High-Energy Gamma-Ray Spectroscopy for Heavy-Ion Induced Experiments
S. Kubono, M. H. Tanaka, H. Kawakami, K. Sueki, H. Miyatake,
T. Nomura, K. Morita, M. Ishihara, S. Kato, C. Konno and
A. Sakaguchi

Nucl. Instr. and Meth. A251 (1986)74

B-9 Nuclear Magnetic Resonance on Oriented $^{99m}, ^{101m}, ^{102}Rh$ and ^{101}Pd
K. Nishimura, S. Ohya and N. Mutsuro

Nucl. Phys. A45 (1986) 233

B-10 Nuclear Magnetic Resonance on Oriented $9.3m$ ^{178}Ta

K. Nishimura, S. Ohya, T. Tadokoro and N. Mutsuro

J. Phys. Soc. Jpn. 56 (1986) 492

B 11 Estimation of a Low Frequency Large Amplitude Noise Using the
Improved Baseline Resorser Employing Gain Switching

S. Ohkawa and K. Hushimi

IEEE Trans. Nuel. Sci. NS-33 (1986) 415

B-12 A Comparative Study of the $^{13}C(p, p')^{13}C$ and $^{13}C(p, n)^{13}N$ Reactions at
 $E_p = 35$ MeV

H. Ohnuma, B. A. Brown, D. Dehnhard, K. Furukawa, T. Hasegawa,
K. Maeda, K. Miura, K. Muto, T. Nakagawa, K. Nisimura,
H. Orihara, T. Suehiro, T. Tohei and M. Yasue

Nucl. Phys. A456 (1986) 61

B 13 The $^{12}C(d, p)^{13}C$ Reaction at $E_d = 30$ MeV and Positive-Parity States in
 ^{13}C

H. Ohnuma, N. Hoshino, O. Mikoshiba, K. Raywood, A. Sakaguchi, G.
G. Shute, B. M. Spicer, M. H. Tanaka, M. Tanifuji, T. Terasawa
and M. Yasue

Nucl. Phys. A448 (1986) 205

B 14 A New Method of Making ^{164}Dy Metal Plate Targets

I. Sugai

Nucl. Instr. and Meth. A245 (1986) 20

B-15 Development of Flexible Long Lived Carbon Stripper Foils

I. Sugai

Nucl. Instr. and Meth. A251 (1986) 596

B-16 A Basic Study of Proton Therapy of Malignant Melanoma (II) -
Disturbances in Blood Vessels and Tumor Cells-

H. Ushimura, I. Ohmura and K. Nagase

Juntendo Univ. Bull. of Lett. and Sci 29 (1986) 26

B-17 Vector Analyzing Power for Two-Step Process in the Reaction
 $^{12}\text{C}(d, ^6\text{Li})^8\text{Be}$

T. Yamaya, T. Suehiro, S. Kato, J. I. Hirota, K. Takimoto,
S. Shimoura, A. Sakaguchi, S. Kubono, M. Sugitani and M. Fukada
Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 (1986) 732

B 18 Examination of the Vector Analyzing Powers in the Reactions $^{12}\text{C},$
 $^{16}\text{O}(d, ^6\text{Li})^8\text{Be}, ^{12}\text{C}$

T. Yamaya, J. I. Hirota, K. Takimoto, S. Shimoura, A. Sakaguchi,
S. Kubono, M. Sugitani, S. Kato, T. Suehiro and M. Fukuda
Phys. Rev. C34 (1986) 2369

C 1 Measurement of n-p and p-p Asymmetry with Accelerated Polarized
Deuteron Beam from 725 to 1000 MeV/Nucleon

J. Bystricky, J. Deregél, F. Lehar, A. de Lesguen, L. van Rossum,
J. M. Fontaine, F. Perrot, J. Arvieux, T. Hasegawa, C. R. Newsom,
Y. Onel, A. Penzo, H. Azaiez, A. Michalowicz and C. Raymond
Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 Suppl. (1986) 818

C-2 Measurements of Evaporation Residues to Investigate Lower Limiting Angular Momenta in Fusion Reactions

H. Ikezoe, N. Shikazono, Y. Tomita, K. Ideno, Y. Sugiyama,
E. Takekoshi, T. Tachikawa and T. Nomura

Nucl. Phys. A456 (1986) 298

C-3 Stretched States in ^{26}Mg from the $^{25}\text{Mg}(\alpha, ^3\text{He})$ Reaction at 81 MeV

J. J. Kraushaar, M. Fujiwara, K. Hosono, H. Ito, M. Kondo,
H. Sakai, M. Tosaki, M. Yasue, S. I. Hayakawa and P. J. Peterson

Phys. Rev. C34 (1986) 1530

C-4 Study of the $^{208}\text{Pb}(\alpha, ^6\text{He})^{206}\text{Pb}$ Reaction at $E_\alpha = 109$ MeV

T. Kurihara, S. Kubono, M. Sekiguchi, M. H. Tanaka, M. Sakai,
Y. Fujita, M. Fujiwara and E. Gerlic

Nucl. Phys. A457 (1986) 45

C-5 Mass Dependence of Effective Charges in the Interacting-Boson Model

O. Scholten, R. M. Ronningen, A. Y. Ahmed, G. O. Bomar, H. L. Crowell, H. J. Hamilton, H. Kawakami, C. F. Maguire, W. G. Nettles, R. B. Piercy, A. V. Ramayya, R. Souderanayagam and P. H. Stelson

Phys. Rev. C34 (1986) 1962

C 6 Transfer Cross Sections for $^{28}\text{Si} + ^{28}\text{Si}$

Y. Sugiyama, Y. Tomita, I. Ikezoe, N. Shikazono, N. Kato,
H. Fujita, T. Sugimitsu and S. Kubono

Phys. Lett. 176B (1986) 302

D-1 Measurement of the Spin Correlation Parameter $A_{\text{ookk}}(\text{pp}\rightarrow\text{pp})$ between 0.72 and 1.1 GeV

J. Bystricky, P. Chaumette, J. Deregél, J. Fabre, F. Lehar,
A. de Lesguen, L. van Rossum, J. M. Fontaine, F. Perrot, J. Ball,
T. Hasegawa, C. R. Newsom, A. Penzo, Y. Onel, H. Azaiez and
A. Michalowicz

Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 Suppl. (1986) 826

D-2 $^{24}\text{Mg}(\vec{p}, d)^{23}\text{Mg}$ Reaction to 2.36 MeV State ($l=0, 1/2^+$) between 30 and 40 MeV

T. Hasegawa, S. Kubono, K. Nisimura, M. Sugitani, M. Yasue,
K. Iwatani, H. Hasai and H. Ueno

Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 (1986) 634

D-3 Progress Report on the Experiment "The Measurement of A_{nn} Parameter at Large P_T Region in the $\vec{p} \vec{n} \rightarrow pn$ Scattering"

N. Horikawa, S. Fukui, T. Ikoma, T. Iwata, T. Kinashi,
M. Kurashina, T. Matsuda, T. Nakanishi, S. Okumi, C. Omori,
T. Toyama, K. Mori, K. Imai, A. Masaike, S. Kasai, T. Kono,
Y. Morita, Y. Sumi, R. Tanaka, H. Hasai, K. Iwatani,
F. Nishiyama, F. Sai, S. Yamamoto, S. Ishimoto, I. Yamauchi,
T. Hasegawa, K. Baba and G. Igo

Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 Suppl. (1986) 982

D-4 Study of Quasi-Molecular States in Multiparticle Final State Reactions

S. Kubono

Proc. of the Beijing Int. Symp. on Phys. at Tandem, Beijing,
1986 (World Scientific, Singapore, 1986) p. 240

D-5 Quasi-Molecular States Near and Below the Thresholds in sd-Shell Nuclei

S. Kubono

Proc. of the 4th Franco-Japonais Colloquium on Nucl.
Spectroscopy, Blois, 1986 (Saclay Report)

- D-6 A Stretched ($g_{9/2} d_{6/2}^{-1}$) 6^+ State in ^{28}Si Studied through $\sigma = 0$ Substate Population
 S. Kubono, K. Morita, M. H. Tanaka, A. Sakaguchi, M. Sugitani and S. Kato
 Proc. of the 6th Int. Symp. on Polarization Phenomena in Nuclei, J. Phys. Soc. Jpn. 55 (1986) 798
- D-7 On the T_R -Type Tensor Potential in Deuteron Elastic Scattering at 56 MeV
 N. Matsuoka, H. Sakai, T. Saito, K. Hosono, M. Kondo, H. Ito, K. Hatanaka, T. Ichihara, A. Okihana, K. Imai and K. Nisimura
 Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei, J. Phys. Soc. Jpn. 55 Suppl. (1986) 690
- D-8 Target Mass Dependence of σ , A_y and A_{yy} in Deuteron Elastic Scattering at 56 MeV
 N. Matsuoka, H. Sakai, T. Saito, K. Hosono, M. Kondo, H. Ito, K. Hatanaka, T. Ichihara, A. Okihana, K. Imai and K. Nisimura
 Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei, J. Phys. Soc. Jpn. 55 Suppl. (1986) 688
- D-9 Tensor Interaction in the Deuteron-Nucleus Elastic Scattering at 56 MeV
 N. Matsuoka, H. Sakai, T. Saito, K. Hosono, M. Kondo, H. Ito, K. Hatanaka, T. Ichihara, A. Okihana, K. Imai and K. Nisimura
 Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei, J. Phys. Soc. Jpn. 55 Suppl. (1986) 144
- D-10 Elastic Scattering of Polarized Deuterons from ^{16}O at 200, 400 and 700 MeV
 Nguyen Van Sen, J. Arvieux, G. Bruge, L. E. Antonuk, R. Babinet, B. Bonin, A. Boudard, J. M. Cameron, G. Gaillard, T. Hasegawa, S. T. Lam, J. C. Lugel, G. C. Neilson, G. Roy, D. M. Sheppard, F. Soga and Ye Yanlin

Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 Suppl. (1986) 946

D-11 A Comparative Study of the $^{13}\text{C}(\vec{p}, p')^{13}\text{C}$ and $^{13}\text{C}(p, n)^{13}\text{N}$ Reactions at
 $E_p = 35$ MeV

H. Ohnuma, K. Furukawa, S. Hayakawa, T. Hasegawa, N. Hoshino,
K. Ieki, N. Kabasawa, K. Maeda, K. Miura, K. Nisimura,
H. Orihara, T. Suehiro, T. Tohei and M. Yasue

Proc. of 6th Ints. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 Suppl. (1986) 574

D-12 Excitation of the $T=1$ and $T=0$ 0^- States in the $^{16}\text{O}(\vec{p}, p')$ Reaction

H. Ohnuma, K. Furukawa, S. Hayakawa, T. Hasegawa, N. Hoshino,
K. Ieki, N. Kabasawa, K. Miura, S. K. Nanda, K. Nisimura,
H. Orihara, T. Suehiro, T. Tohei and M. Yasue

Proc. of 6th Int. Symp. on Polarization Phenomena in Nuclei,
J. Phys. Soc. Jpn. 55 Suppl. (1986) 600

D-13 Vector Analyzing Power of Polarized Deuterons in the $(d, ^6\text{Li})$
Reaction

T. Yamada, J. I. Hirota, K. Takimoto, S. Shimoura, A. Sakaguchi,
S. Kubono, M. Sugitani, S. Kato, T. Suehiro and M. Fukuda

Proc. of the 6th Int. Symp. on Polarization Phenomena in
Nuclei; J. Phys. Soc. Jpn., 55 Suppl. (1986) 730

D-14 Strength Distribution for 6^- and 4^- States in Light Nuclei and an
Effect of Higher Shells on the Spreading

M. Yasue

Proceedings of the fourth Franco-Japonais Colloquium on
Nuclear Physics (1986)

D 15 Finding of a 0_3^+ State in ^{12}C via $^{11}\text{B}(\alpha, \alpha')^8\text{Be}$ Reaction

M. Yasue, S. Kubono, M. H. Tanaka, K. Ogino, T. Kiuchi,
T. Motobayashi and S. Sato

1987

A-1 Study of Energy Losses for 18 keV β -rays in a Langmuir-Blodgett Thin Film

H. Kawakami, K. Nisimura, T. Ohshima, S. Shibata, Y. Shoji, I. Sugai, K. Ukai, T. Yasuda, N. Morikawa, N. Nogawa, T. Nagafuchi, F. Naito, T. Suzuki, H. Taketani, M. Iwahashi, K. Hisatake, M. Fujioka, Y. Fukushima, T. Matsuda and T. Taniguchi

INS-Rep. -617 (1987)

A-2 Precise Measurement of Ag KLM and KLN Auger Spectra

H. Kawakami, S. Kato, F. Naito, K. Nishimura, T. Ohshima, S. Shibata, T. Suzuki, K. Ukai, N. Morikawa, N. Nogawa, T. Nagafuchi, H. Taketani, M. Iwahashi, K. Hisatake, Y. Fukushima, T. Matsuda and T. Taniguchi

INS-Rep. -663 (1987)

A-3 Thick and Large Area Si(Li) Detectors with (100) Crystal

T. Masuda, I. Nakamoto, I. Nitoh, T. Miyachi, S. Ohkawa, Y. Yoshida, Y. Iikawa, T. Kobayashi, H. Matsuzawa, I. Ogura and H. Onabe

INS-Rep. -656 (1987)

A-4 Thick and Large Active Area Si(Li) Detector

T. Miyachi, S. Ohkawa, T. Emura, M. Nishimura, O. Nitoh, K. Takahashi, S. Kitamura, Y. Kim, T. Abe and H. Matsuzawa

INS-Rep. -654 (1987)

A-5 Fabrication of Thick and large Area Si(Li) Detectors

T. Miyachi, S. Ohkawa, T. Masuda, I. Nakamoto, O. Nitoh,
Y. Yoshida, Y. Ikeda, T. Kobayashi, H. Matsuzawa, I. Ogura and
H. Onabe

INS-Rep. -655 (1987)

A-6 An Ion-Guide Technique for On-line Isotope Separation Coupled with a
Recoil-type Beam Separator

T. Nomura, J. Tanaka, M. Oyaizu, Y. Iwata, N. Ikeda, K. Valli,
K. Morita, Y. Nagai, T. Toriyama, Y. Murakami, Y. Torii and
S. Harada

INS-Rep. -660

A-7 On the Mysterious Electron Peak in $e^+ + Th$ Interactions

M. Sakai, Y. Fujita, M. Imamura, K. Omata, S. Ohya and T. Miura

INS-Rep. -632 (1987)

A-8 Anomalous Electron Intensity Ratio of the EO Internal Conversion in
the Transitions of ^{164}Gd

M. Sakai, Y. Fujita, M. Imamura, K. Omata, K. Miyatake,
T. Nomura, S. Ohya and S. Chojnacki

INS-Rep. -635 (1987)

A-9 Studies of Electron Peaks in $e^+ + Th, U$ and Ta Interactions

M. Sakai, Y. Fujita, M. Imamura, K. Omata, S. Ohya and T. Miura

INS-Rep. -651 (1987)

A-10 Large Area and Very Thin ^{169}Yb β -Source as an Energy Reference in
the Neutrino Mass Measurements with 3H β -Decay

S. Shibata, Y. Shoji, I. Sugai, H. Kawakami, K. Nisimura,
T. Ohshima, K. Ukai, Y. Yasuda, N. Morikawa, N. Nogawa,
T. Nagafuchi, F. Naito, T. Suzuki, H. Taketani, M. Iwahashi,
K. Hisatake, M. Fujioka, Y. Fukushima, T. Matsuda and
T. Taniguchi

INS-Rep. -622 (1987)

A-11 Computer Codes for Activation Data Analysis Coincidence Summing
Correction Code: SUMECE, Decay Correction Code: DECFIT

Y. Uwamino and T. Nakamura

INS-T-468 (1987)

B-1 Precise Measurement of Ag KLL Auger-Spectrum

H. Kawakami, K. Nisimura, T. Ohshima, S. Shibata, Y. Shoji,
I. Sugai, K. Ukai, T. Yasuda, N. Morikawa, N. Nogawa,
T. Nagafuchi, F. Naito, T. Suzuki, H. Taketani, M. Iwahashi,
K. Hisatake, M. Fujioka, Y. Fukushima, T. Matsuda and
T. Taniguchi

Phys. Lett. A121 (1987) 414

B-2 An Upper Limit for the Mass of the Electron Anti-Neutrino from the
INS Experiment

H. Kawakami, K. Nisimura, T. Ohshima, S. Shibata, Y. Shoji,
I. Sugai, K. Ukai, T. Yasuda, N. Morikawa, N. Nogawa,
T. Nagafuchi, F. Naito, T. Suzuki, H. Taketani, M. Iwahashi,
K. Hisatake, M. Fujioka, Y. Fukushima, T. Matsuda and
T. Taniguchi

Phys. Lett. B187 (1987) 198

B-3 Characteristics of MCZ Silicon Radiation Detectors

Y. Kim, Y. Pak, S. Ohkawa, K. Husimi and G. Kaneshima

IEEE Trans. Nucl. Sci. NS-34 (1987)

B-4 INS-Gas-filled Recoil Isotope Separator

H. Miyatake, T. Nomura, H. Kawakami, J. Tanaka, M. Oyaizu,
K. Morita, T. Shinozuka, H. Kudo, K. Sueki and Y. Iwata

Nucl. Instr. Meth. B26 (1987) 309

B-5 An Ion-Guide Isotope Separator On-Line at INS

K. Morita, T. Inamura, T. Nomura, J. Tanaka, H. Miyatake,
M. Fujioka, T. Shinozuka, M. Yoshii, H. Hama, K. Taniguchi,
K. Sueki, Y. Hatsukawa, K. Furuno and H. Kudo
Nucl. Instr. Meth. B26 (1987) 406

B-6 Magnetic Moments of ^{119m}Te , ^{121m}Te and ^{123m}Te

K. Nishimura, S. Ohya and N. Mutsuro
Phys. Rev. C36 (1987) 2069

B-7 g-Factor of the Ground State of ^{73}Se

K. Nishimura, S. Ohya and N. Mutsuro
J. Phys. Soc. Jpn. 56 (1987) 3512

B-8 High-Resolution Measurement of NMR-On for $^{191}\text{PtFe}$

K. Nishimura, S. Ohya and N. Mutsuro
Hyp. Int. 36 (1987) 235

B-9 Nuclear Magnetic Resonance on Oriented $9.3m$ ^{178}Ta

K. Nishimura, S. Ohya, T. Tadokoro and N. Mutsuro
J. Phys. Soc. Japan 56 (1987) 492

B-10 Nuclear Orientation and Nuclear Magnetic Resonance of ^{196}Au in Fe

S. Ohya, S. Ohtake, K. Nishimura and N. Mutsuro
Phys. Rev. C36 (1987) 2072

B-11 NMR-ON Measurements of ^{187}WFe , $^{182,183,186}\text{ReNi}$, $^{186}\text{ReFe}$ and $^{203}\text{PbFe}$

S. Ohya, K. Nishimura and N. Mutsuro
Hyp. Ints. 36 (1987) 219

B-12 Anomalous Electron Intensity Ratio of the Internal Conversion in the
Transitions of ^{154}Cd

M. Sakai, Y. Fujita, M. Imamura, K. Omata, K. Miyatake,
T. Nomura, S. Ohya and S. Chojnacki
Nucl. Phys. A473 (1987) 317

B-13 Study of a Microparticle Internal Target for a Cooler Ring

T. Tanabe, I. Sugai and M. Yasue

Nucl. Instr. Meth. A256 (1987) 439

C-1 Elastic Scattering of Polarized Deuterons from ^{16}O at 200, 400 and 700 MeV

N. V. Sen, J. Arvieux, Y. Yanlin, G. Gaillard, B. Bonin,
A. Boudard, G. Bruge, J. C. Lugol, T. Hasegawa, F. Soga,
L. F. Antonuk, J. M. Cameron, S. T. Lam, G. C. Neilson, G. Roy,
D. M. Sheppard and R. Babinet

Nucl. Phys. A464 (1987) 717

C-2 Fine Structure of Resonance at Ex ~ 14 MeV in ^{40}Ca

T. Yamagata, S. Kishimoto, K. Iwamoto, B. Saeki, K. Yuasa,
M. Tanaka, K. Ogino, S. Matsuki, T. Fukuda, M. Inoue, K. Hosono,
A. Shimizu, N. Matsuoka, I. Miura, Y. Ikku and H. Ogata

Phys. Rev. C36 (1987) 573

D 1 Quasi-Molecular States near and below the Thresholds in sd-Shell Nuclei

S. Kubono

Proc. of the 4th Franco-Japonais Coll. on Nucl. Spectroscopy,
Blois, 1986 (1987) p.235

D-2 Report on an Upper Limit for the Mass of Electron Anti-Neutrino from INS, Japan

T. Ohshima

Proc. of the Telemark IV, Neutrino Masses and Neutrino
Astrophysics, Ashland, Wisconsin, U.S.A., (1987) p.488

D-3 Design of the INS ECR Ion Source

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