

武谷三男博士の業績リスト (第4.1版)

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1 はじめに

すでにこの「素粒子論研究」に第1版 [1], 第2版 [2], 第3版 [3], 第4版 [4] を発表した。

最近になって武谷博士のご遺族から三本龍生氏に博士が所蔵していた書籍と文書が保存のために移管・譲渡された。その資料のごく一部の目録の作成に関与したときに、1964年にイタリアで開催された科学哲学の会議の別刷を発見した。それを追加して第4.1版を編集した²。

この第4.1版の収録データは (1) 著者名, (2) 論文名, (3) 雑誌名または書名, (4) 巻号または号, 発行年月, 頁, である。収録データについて注記をしておきたい。掲載順は発行順を原則としたが, 学術雑誌は発行年または発行年月しか分からないものはその発行年または発行年月の末尾に加えた。

また, たとえば Prog. Theor. Phys. (P. T. P. と略す) に掲載された論文がその P. T. P. Supplement (Suppl. と略す) に再掲されているのも重複して載せている。また Suppl. No. 50 に日本語からの英訳として出ているもので, 狭い意味では物理の研究論文には入らないかもしれないものや Suppl. No. 105 のインタビュー等も載せている。

なお, 武谷の著作目録については [5], [6] を参照されたい。

(2017.7.5)(2019.8.19 改訂)

2 List of the Scientific Papers of Mituo Taketani

1936年

1. M. Taketani

A Collection of Land Mollusca from Taiwan (Formosa)

Transactions of the National History Society of Formosa, Vol. 26, No. 154 (1936) 271-278.

1938年

2. H. Yukawa, S. Sakata and M. Taketani

On the Interaction of Elementary Particles. III

Proc. Phys.-Math. Soc. Japan, 3rd Series Vol. 20, No. 3 (Mar. 1938) 319-340.

3. H. Yukawa, S. Sakata, M. Kobayasi and M. Taketani

On the Interaction of Elementary Particles. IV

Proc. Phys.-Math. Soc. Japan, 3rd Series Vol. 20, No. 8 (Aug. 1938) 720-745.

4. S. Sakata and M. Taketani

Versuch einer Theorie des β -Zerfalls

Proc. Phys.-Math. Soc. Japan, 3rd Series, Vol. 20, No. 10 (Oct. 1938) 962-963.

1940年

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²この挿入部分が正確でなかったのを修正した。

5. M. Taketani and S. Sakata
On the Wave Equation of Meson
Proc. Phys.-Math. Soc. Japan, 3rd Series, Vol. 22, No. 8 (Aug. 1940) 757-770.

6. S. Sakata and M. Taketani
Note on Casimir's Method of the Spin Summation in the Case of the Meson
Sci. Pap. I. P. C. R., Vol. 38, No. 984 (Sep. 1940) 1-11.

1941 年

7. M. Taketani and S. Sakata
On the Wave Equation of Meson, Errata
Proc. Phys.-Math. Soc. Japan, 3rd Series, Vol. 23, No. 1 (Jan. 1941) 160.

8. H. Akabori, K. Husimi, I. Itoh, S. Kikuchi, M. Kobayashi, Y. Ko, T. Momota, H. Nagaoka, M. Okazaki, I. Suehiro, E. Takeda, M. Taketani, T. Utiyama, T. Wakatuki, Y. Watase, S. Yamaguchi, I. Yukawa
Separation of Isotopes by Thermal Diffusion, I. Preliminary Test of the Separation Column
Proc. Phys.-Math. Soc. Japan, 3rd Series, Vol. 23, (1941) 590-598.

9. H. Akabori, K. Husimi, S. Kikuchi, M. Kobayashi, Y. Ko, T. Momota, H. Nagaoka, M. Okazaki, I. Suehiro, E. Takeda, M. Taketani, T. Utiyama, T. Wakatuki, Y. Watase, S. Yamaguchi, I. Yukawa
Separation of Isotopes by Thermal Diffusion, II. Separation of Chlorine Isotopes
Proc. Phys.-Math. Soc. Japan, 3rd Series, Vol. 23, (1941) 599-604.

1947 年

10. M. Taketani
Conflict between Matter and Field
- An Analysis of the Difficulties of the Theory of Elementary Particles -
Prog. Theor. Phys., Vol. 2, No. 4 (Nov.-Dec. 1947) 187-197.

1948 年

11. M. Taketani
On the Neutral Meson
Prog. Theor. Phys., Vol. 3, No. 4 (Oct.-Dec. 1948) 349-355.

1949 年

12. M. Taketani, S. Nakamura, K. Ono and M. Sasaki
On the Two-Meson Theory
Phys. Rev., 2nd Series, Vol. 76, No. 1 (Jul. 1949) 60-63.

13. M. Taketani, S. Nakamura and M. Sasaki
On the μ -Meson Capture
Phys. Rev., 2nd Series, Vol. 76, No. 6 (Sep. 1949) 852.

14. M. Taketani, M. Sasaki and S. Nakamura
On the mu-Meson Capture
Prog. Theor. Phys., Vol. 4, No. 4 (Oct.-Dec. 1949) 552-556.

1950 年

15. M. Taketani, S. Machida and T. Tamura
On the Electromagnetic Properties of Nucleons
Prog. Theor. Phys., Vol. 5, No. 1 (Jan.- Feb. 1950) 150-152.
16. M. Taketani, S. Nakamura and M. Sasaki
On the Method of the Theory of Elementary Particles
Prog. Theor. Phys., Vol. 5, No. 4 (Jul.-Aug. 1950) 730-734.
17. S. Nakamura, H. Fukuda, K. Ono, M. Sasaki and M. Taketani
Analysis on the Two Meson Theory
Prog. Theor. Phys., Vol. 5, No. 4 (Jul.-Aug. 1950) 740-747.

1951 年

18. M. Taketani, S. Nakamura, M. Umezawa, K. Ono and Y. Yamaguchi
ft-Values of β -Decay and the Shell Models
Phys. Rev., Vol. 82, No. 3 (Mar. 1951) 441-442.
19. M. Taketani, S. Nakamura, K. Ono and M. Umezawa
On the Matrix Elements of the Beta Decay
Prog. Theor. Phys., Vol. 6, No. 3 (May-Jun. 1951) 286-294.
20. M. Umezawa, S. Nakamura, Y. Yamaguchi and M. Taketani
Nuclear Shell Model and the β -Decay Schemes, I
Prog. Theor. Phys., Vol. 6, No. 3 (May-Jun. 1951) 408-425.
21. M. Taketani and S. Machida
On the Production of Negative Protons
Prog. Theor. Phys., Vol. 6, No. 4 (Jul.-Aug. 1951) 559-571.
22. M. Taketani, S. Nakamura and M. Sasaki
On the Method of the Theory of Nuclear Forces
Prog. Theor. Phys., Vol. 6, No. 4 (Jul.-Aug. 1951) 581-586.
23. M. Taketani, S. Onuma and S. Koide
On the Nuclear Forces and the Ground State of Deuteron
Prog. Theor. Phys., Vol. 6, No. 4 (Jul.-Aug. 1951) 635-637.
24. M. Taketani, S. Machida and S. Onuma
Meson Theory of Nuclear Forces
Prog. Theor. Phys., Vol. 6, No. 4 (Jul.-Aug. 1951) 638-639.
25. S. Machida, S. Onuma and M. Taketani
On the Fourth-Order Nuclear Potential
Prog. Theor. Phys., Vol. 6, No. 5 (Sep.-Oct. 1951) 904-905.

1952 年

26. M. Taketani, S. Machida and S. Onuma
The Meson Theory of Nuclear Forces, I
- *The Deuteron Ground State and Low Energy Neutron-Proton Scattering* -
Prog. Theor. Phys., Vol. 7, No. 1 (Jan. 1952) 45-56.

1953 年

27. S. Fujii, J. Iwadare, S. Otsuki, M. Taketani, S. Tani and W. Watari
Note on the Meson Theory of Nuclear Force
Prog. Theor. Phys., Vol. 10, No. 4 (Oct. 1953) 478-480.
28. M. Taketani
Studies on Nuclear Forces in Japan
Proceedings of the International Conference of Theoretical Physics, (Sep. 1953),
Kyoto and Tokyo, 241-244.

1954 年

29. S. Fujii, J. Iwadare, S. Otsuki, M. Taketani, S. Tani and W. Watari
Meson Theory of Nuclear Forces, II - *High Energy Nucleon-Nucleon Scattering* -
Prog. Theor. Phys., Vol. 11, No. 1 (Jan. 1954) 11-19.
30. N. Fukuda, K. Sawada and M. Taketani
On the Construction of Potential in Field Theory
Prog. Theor. Phys., Vol. 12, No. 2 (Aug. 1954) 156-166.

1955 年

31. H. Takebe, S. Nakamura and M. Taketani
 β -Ray Spectrum of RaE
Prog. Theor. Phys., Vol. 14, No. 4 (Oct. 1955) 317-336.
32. H. Yukawa, S. Sakata and M. Taketani
On the Interaction of Elementary Particles. III
(*Reprinted from Proc. Phys.-Math. Soc. Japan* 20 (1938), 319-340)
Collected Papers on Meson Theory I (*Formalism and Models*)
Prog. Theor. Phys. Suppl., No. 1 (1955) 24-45.
33. H. Yukawa, S. Sakata, M. Kobayasi and M. Taketani
On the Interaction of Elementary Particles. IV
(*Reprinted from Proc. Phys.-Math. Soc. Japan* 20 (1938), 720-745)
Collected Papers on Meson Theory I (*Formalism and Models*)
Prog. Theor. Phys. Suppl., No. 1 (1955) 46-71.
34. M. Taketani and S. Sakata
On the Wave Equation of Meson
(*Reprinted from Proc. Phys.-Math. Soc. Japan* 22 (1940), 757-770)
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Prog. Theor. Phys. Suppl., No. 1 (1955) 84-97.
35. S. Sakata and M. Taketani
Note on Casimir's Method of the Spin Summation in the Case of the Meson
(*Reprinted from Sci. Pap. I. P. C. R.* 38 (1940), 1-11)
Collected Papers on Meson Theory I (*Formalism and Models*)
Prog. Theor. Phys. Suppl., No. 1 (1955) 98-108.

36. M. Taketani
 On the Neutral Meson
 (*Reprinted from* Prog. Theor. Phys. 3 (1948), 349-355)
 Collected Papers on Meson Theory I (*Formalism and Models*)
 Prog. Theor. Phys. Suppl., No. 1 (1955) 219-225.
37. M. Taketani, M. Sasaki and S. Nakamura
 On the mu-Meson Capture
 (*Reprinted from* Prog. Theor. Phys. 4 (1949), 552-556)
 Collected Papers on Meson Theory I (*Formalism and Models*)
 Prog. Theor. Phys. Suppl., No. 1 (1955) 226-230.
38. M. Taketani, S. Nakamura, K. Ono and M. Sasaki
 On the Two-Meson Theory
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 Collected Papers on Meson Theory I (*Formalism and Models*)
 Prog. Theor. Phys. Suppl., No. 1 (1955) 234-237.
39. S. Nakamura, H. Fukuda, K. Ono, S. Sasaki and M. Taketani
 Analysis on the Two Meson Theory
 (*Reprinted from* Prog. Theor. Phys. 5 (1950), 740-747)
 Collected Papers on Meson Theory I (*Formalism and Models*)
 Prog. Theor. Phys. Suppl., No. 1 (1955) 244-251.

1956 年

40. M. Taketani, T. Hatanaka and S. Obi
 Populations and Evolution of Stars
 Prog. Theor. Phys. Vol. 15, No. 2 (Feb. 1956) 89-94.
41. K. Inoue, S. Machida, M. Taketani and T. Toyoda
 Pion Theory of Nuclear Forces
 Prog. Theor. Phys., Vol. 15, No. 2 (Feb. 1956) 122-136.
42. M. Taketani
 Introduction. Nuclear Forces and Meson Theory
 Meson Theory III. Nuclear Forces
 Prog. Theor. Phys. Suppl., No. 3 (1956) 1-12.
43. M. Taketani, S. Nakamura and M. Sasaki
 Part V. On the Method of the Theory of Nuclear Forces
 (*reprinted from* Prog. Theor. Phys. 6 (1951), 581-586)
 Meson Theory III. Nuclear Forces
 Prog. Theor. Phys. Suppl., No. 3 (1956) 169-174.

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44. S. Nakamura, T. Ohmura and M. Taketani
 A Note on the Nuclear Reactions in Stars
 Prog. Theor. Phys., Vol. 21, No. 1 (Jan. 1959) 18-28.

45. M. Taketani, Y. Katayama, P. L. Ferreira, G. W. Bund and P. R. de Paula e Silva
Meson Decays and Structure of Muon
Prog. Theor. Phys., Vol. 21, No. 6 (Jun. 1959) 799-817.
46. Y. Katayama, M. Taketani and J. L. Ferreira
On the Origin of the Electron Mass
Prog. Theor. Phys., Vol. 21, No. 6 (Jun. 1959) 818-826.

1960年

47. Y. Katayama, M. Taketani, S. Ragusa and D. R. de Oliveira
On the Electromagnetic Structure of Nucleons and Their Mass Difference
Prog. Theor. Phys., Vol. 23, No. 2 (Feb. 1960) 328-352.
48. M. Taketani and Y. Katayama
On a Unified Description of Elementary Particles
Prog. Theor. Phys., Vol. 24, No. 3 (Sep. 1960) 661-678.
49. M. Taketani and S. Machida
On the Method of the Theory of Nuclear Forces
Prog. Theor. Phys., Vol. 24, No. 6 (Dec. 1960) 1317-1324.

1961年

50. S. Otuki, M. Taketani, R. Tamagaki and W. Watari
Pion Theory of Nuclear Forces and Low Energy P -Wave Phase Shifts
Prog. Theor. Phys., Vol. 25, No. 3 (Mar. 1961) 427-435.
51. M. Taketani
Chapter 2. A New Stage of Elementary Particle Theory
Part I. Introduction
Structure of Elementary Particles
Prog. Theor. Phys. Suppl., No. 19 (1961) 10-22 (pub. date: Mar. 1962).
52. Y. Katayama and M. Taketani
Chapter 4. On the Structure of Lepton
Part III. Further Outlook for the Theory of Elementary Particles
Structure of Elementary Particles
Prog. Theor. Phys. Suppl., No. 19 (1961) 178-188 (pub. date: Mar. 1962).
53. M. Taketani and Y. Katayama
On the Neutrino Unified Model for Elementary Particles
Part III. Further Outlook for the Theory of Elementary Particles
Structure of Elementary Particles
Prog. Theor. Phys. Suppl., No. 19 (1961) 189-202 (pub. date: Mar. 1962).

1962年

54. Y. Hama, J. Osada and M. Taketani
Ghost Scatterings
Nuovo Cim., Vol. 25, No. 5 (Sep. 1962) 1054-1060.

55. M. Taketani and M. Sawamura
On the Existence of a Boson μ^0
Prog. Theor. Phys., Vol. 27, No. 4 (Oct. 1962) 1287-1289.
56. M. Taketani and T. Tati
 $\Delta S/\Delta Q = -1$ Decay and "Induced Transition"
Prog. Theor. Phys., Vol. 28, No. 4 (Oct. 1962) 757-759.
57. M. Taketani, Y. Fujimoto and K. Yokoi
Proceedings of the Fifth Interamerican Seminar on Cosmic Rays,
La Paz, Bolivia, Vol. II (1962), LIV.

1963年

58. M. Taketani and T. Tati
Neutrino Unified Model Based on Two Kinds of Neutrinos
Prog. Theor. Phys., Vol. 30, No. 1 (Jul. 1963) 134-136.

1964年

59. K. Aizu, Y. Fujimoto, H. Hasegawa, S. Hayakawa and M. Taketani
A Model of Star-like Objects
Prog. Theor. Phys., Vol. 32, No. 6 (Dec. 1964) 971-973.
60. K. Aizu, Y. Fujimoto, H. Hasegawa, K. Kawabata and M. Taketani
A New Diagram Representing the Evolution of Galaxies
Prog. Theor. Phys., Vol. 32, No. 6 (Dec. 1964) 973-975.
61. Y. Fujimoto, H. Hasegawa and M. Taketani
Extra-Galactic Cosmic Rays
Prog. Theor. Phys., Vol. 32, No. 6 (Dec. 1964) 975-977.
62. M. Taketani
Preface
Origin of Cosmic Rays
Prog. Theor. Phys. Suppl., No. 30 (1964) 1 (pub. date: Apr. 1965).
63. K. Aizu, Y. Fujimoto, H. Hasegawa and M. Taketani
Introduction and General Review
Origin of Cosmic Rays
Prog. Theor. Phys. Suppl., No. 30 (1964) 2-31 (pub. date: Apr. 1965).
64. Y. Fujimoto, H. Hasegawa and M. Taketani
Part 1. Cosmic Rays in Galactic and Extragalactic Space
Origin of Cosmic Rays
Prog. Theor. Phys. Suppl., No. 30 (1964) 32-85 (pub. date: Apr. 1965).
65. M. Taketani, Y. Fujimoto and K. Yokoi
Appendices. Evolution of Galaxies and Its Relation to Origin of Cosmic Rays
(reprinted from *Proc. Fifth Interamerican Seminars on Cosmic Rays*,
La Paz (Bolivia), 1962, Vol. II)

Origin of Cosmic Rays

Prog. Theor. Phys. Suppl., No. 30 (1964) 244-249 (pub. date: Apr. 1965).

66. M. Taketani

Preface

Structure and Evolution of Galaxies

Prog. Theor. Phys. Suppl., No. 31 (1964) 1 (pub. date: Mar. 1965).

67. T. Hatanaka, S. Hayakawa, K. Ishida and M. Taketani

Part I. Evolution of Galaxies - *Development of Its Research in Japan* -

Structure and Evolution of Galaxies

Prog. Theor. Phys. Suppl., No. 31 (1964) 2-34 (pub. date: Mar. 1965).

68. K. Aizu, Y. Fujimoto, H. Hasegawa, K. Kawabata and M. Taketani

Part II. Radio Galaxies

Structure and Evolution of Galaxies

Prog. Theor. Phys. Suppl., No. 31 (1964) 35-76 (pub. date: Mar. 1965).

69. M. Taketani, T. Hatanaka and S. Obi

Part VI. Appendix. Populations and Evolution of Stars

Structure and Evolution of Galaxies

(reprinted from Prog. Theor. Phys., Vol. 15 (1956) 89-94)

Structure and Evolution of Galaxies

Prog. Theor. Phys. Suppl., No. 31 (1964) 156-161 (pub. date: Mar. 1965).

70. M. Taketani

Relationship between force and motion in Galileo's work

Tratto da Atti del Simposio su << Galileo Galilei nella storia e nella filosofia della scienza >>

(Firenze-Pisa, 14-16 Settembre 1964).

1965 年

71. K. Aizu, Y. Fujimoto, H. Hasegawa and M. Taketani

An Evolutional Track of Galaxies in $L - (L/V)$ Diagram

Prog. Theor. Phys., Vol. 33, No. 5 (May 1965) 996-997.

72. Y. Katayama and M. Taketani

Neutrino Unified Model for Elementary Particles

Prog. Theor. Phys., Vol. 33, No. 6 (Jun. 1965) 1141-1143.

73. M. Taketani and Y. Fujimoto

High Energy Nuclear Interactions and Structure of Elementary Particles

Commemoration Issue for the Thirtieth Anniversary of the Meson Theory by Dr. H. Yukawa

Prog. Theor. Phys. Suppl., Extra No. (Sep. 1965) 651-660.

74. M. Taketani

On the Meson Theory of Nuclear Forces

Proceedings of the International Conference on Elementary Particles,

Kyoto (1965) 170-181 (pub. date: 1966).

1966 年

75. M. Taketani, S. Nakamura and Y. Fujimoto
On the Fundamental Concepts in the Theory of Elementary Particles. I
- *History of the Tomonaga Theory of Fields* -
Dedicated to Professor Sin-itiro Tomonaga on the Occasion of his Sixtieth Birthday
Prog. Theor. Phys. Suppl., No. 37 & 38 (Dec. 1966) 433-439.
76. M. Taketani, S. Nakamura, Y. Fujimoto, M. Nagasaki, S. Furuichi and S. Sato
On the Fundamental Concepts in the Theory of Elementary Particles. II
- *Present Problems* -
Dedicated to Professor Sin-itiro Tomonaga on the Occasion of his Sixtieth Birthday
Prog. Theor. Phys. Suppl., No. 37 & 38 (Dec. 1966) 440-450.

1967 年

77. M. Nagasaki, T. Hirasawa and M. Taketani
On the Analysis of Nucleon-Nucleon Scattering with Large Momentum Transfers
Prog. Theor. Phys. Vol. 38, No. 2 (Aug. 1967) 514-516.
78. M. Taketani
Introduction - *Our History and the Underlying Philosophy* -
Part I. *Nuclear Force in Dynamical Region*
Nuclear Forces
Prog. Theor. Phys. Suppl., No. 39 (Aug. 1967) 1-22.

1969 年

79. T. Hirasawa, K. Aizu and M. Taketani
Formation of Galaxies from Hydrogen Gas
Prog. Theor. Phys., Vol. 41, No. 3 (Mar. 1969) 835-838.

1970 年

80. K. Aizu and M. Taketani
Radio Evolution of Pulsars
Prog. Theor. Phys., Vol. 44, No. 2 (Aug. 1970) 363-374.
81. M. Nagasaki and M. Taketani
Level Structure of Hadrons
Prog. Theor. Phys., Vol. 44, No. 4 (Oct. 1970) 1112-1114.

1971 年

82. K. Aizu, S. Hayakawa, H. Sato and M. Taketani
Chapter I. General Review and Summary - *Astrophysical Cosmology* -
Evolution of the Universe and Formulation of Galaxies
Prog. Theor. Phys. Suppl., No. 49 (1971) 1-10 (pub. date: Feb. 1972).
83. K. Aizu, H. Tabara and M. Taketani
Chapter VII. Quasistellar Objects

- Evolution of the Universe and Formulation of Galaxies
 Prog. Theor. Phys. Suppl., No. 49 (1971) 228-247 (pub. date: Feb. 1972).
84. M. Taketani
 Methodological Approaches in the Development of the Meson Theory
 of Yukawa in Japan
 Historical Introduction
 Philosophical and Methodological Problems in Physics
 Prog. Theor. Phys. Suppl., No. 50 (1971) 12-24 (pub. date: Mar. 1972).
85. M. Taketani
 Dialectics of Nature - *On Quantum Mechanics* -
 Part I
 Philosophical and Methodological Problems in Physics
 Prog. Theor. Phys. Suppl., No. 50 (1971) 27-36 (pub. date: Mar. 1972).
86. M. Taketani
 A New Stage in the Development of Modern Physics
 - *On Research Contribution of Nobelians, the Joliot-Curie's* -
 Part I
 Philosophical and Methodological Problems in Physics
 Prog. Theor. Phys. Suppl., No. 50 (1971) 37-48 (pub. date: Mar. 1972).
87. M. Taketani
 On Research Contribution of Niels Bohr
 Part I
 Philosophical and Methodological Problems in Physics
 Prog. Theor. Phys. Suppl., No. 50 (1971) 49-52 (pub. date: Mar. 1972).
88. M. Taketani
 On Formation of the Newton Mechanics
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 Philosophical and Methodological Problems in Physics
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 Observation Problem of Quantum Mechanics
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 Prog. Theor. Phys. Suppl., No. 50 (1971) 65-72 (pub. date: Mar. 1972).
90. M. Taketani
 Appendix. (1) Light Quanta and Special Relativity
 Part I
 Philosophical and Methodological Problems in Physics
 Prog. Theor. Phys. Suppl., No. 50 (1971) 73-76 (pub. date: Mar. 1972).
91. M. Taketani
 Appendix. (2) Substance and Essence

- Part I
Philosophical and Methodological Problems in Physics
Prog. Theor. Phys. Suppl., 50 (1971) 77-80 (pub. date: Mar. 1972).
92. M. Taketani
Conflict between Matter and Field
- *An Analysis of the Difficulties of the Theory of Elementary Particles* -
Part II
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Prog. Theor. Phys. Suppl., No. 50 (1971) 89-97 (pub. date: Mar. 1972).
93. M. Taketani
New Development of Theory of Elementary Particles
- *Theory of Shoichi Sakata and Related Problems* -
Part II
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Prog. Theor. Phys. Suppl., No. 50 (1971) 127-139 (pub. date: Mar. 1972).
94. M. Taketani, S. Nakamura, K. Ono and M. Sasaki
Appendix. Two Meson Theory
Part II
Philosophical and Methodological Problems in Physics
Prog. Theor. Phys. Suppl., No. 50 (1971) 140-143 (pub. date: Mar. 1972).
95. M. Taketani and S. Nakamura
On the Method of the Theory of Elementary Particles
Part III
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Prog. Theor. Phys. Suppl. No. 50 (1971) 145-149 (pub. date: Mar. 1972).
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Program of Research on Nuclear Force (1953 Proposal)
Part III
Philosophical and Methodological Problems in Physics
Prog. Theor. Phys. Suppl. No. 50 (1971) 159-162 (pub. date: Mar. 1972).
97. M. Taketani
Appendix. (3) A Thought on Structure of Elementary Particles
Part IV
Philosophical and Methodological Problems in Physics
Prog. Theor. Phys. Suppl., No. 50 (1971) 214-219 (pub. date: Mar. 1972).
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Stellar Evolution and Galactic Evolution
- *From THO Theory to Star-like Problem* -
Part V. Towards New Concepts of Nature
Philosophical and Methodological Problems in Physics
Prog. Theor. Phys. Suppl., No. 50 (1971) 220-230 (pub. date: Mar. 1972).

99. M. Taketani and S. Nakamura
 Nuclear Physics and Astronomy
 Part V. Towards New Concepts of Nature
 Philosophical and Methodological Problems in Physics
 Prog. Theor. Phys. Suppl., No. 50 (1971) 231-234 (pub. date: Mar. 1972).

1973 年

100. M. Nagasaki and M. Taketani
 Excitation of Hadronic Matter and H -Quantum
 Prog. Theor. Phys., Vol. 49, No. 1 (Jan. 1973) 368-370.
101. K. Aizu and M. Taketani
 On the Phase of Pulsar Evolution
 - *A Comment on Tsarevsky's Paper* -
 Prog. Theor. Phys., Vol. 49, No. 4 (Apr. 1973) 1371-1372.
102. M. Nagasaki and M. Taketani
 Angular Distribution of p - p Scattering at High Energies and Radius of the Hard Core
 Prog. Theor. Phys., Vol. 49, No. 5 (May 1973) 1768-1770.
103. M. Nagasaki and M. Taketani
 Angular Distribution of p - p Elastic Scattering at High Energies and Distribution of Absorption
 Prog. Theor. Phys., Vol. 49, No. 6 (Jun. 1973) 2145-2147.
104. M. Taketani, T. Tati, K. Mori, M. Nagasaki, Y. Fujimoto and S. Hasegawa
 Introduction and Summary
 - *Theoretical Models for Multiple Production of Mesons* -
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