

米澤 穰博士の業績リスト（改訂版）

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1 はじめに

素粒子論研究電子版 Vol. 9, No. 5 に米澤 穰博士（広島大学名誉教授）の単著と共著の論文をリストを載せたが，これはその改訂版である．改訂は落としていた論文 27 の収録と論文リストのデータの記載の順序を変えて，論文名，著者名の順としたことである．これは論文の内容が著者名よりもより重要であることを反映したものである．

主として学術雑誌に発表された論文と一部少数ながら国際会議の Proceedings に発表された論文を含んでいる．

収録したデータは

（ 1 ） 論文名 （ 2 ） 著者名 （ 3 ） 雑誌名 （ 4 ） 巻号または号 （ 5 ） 発行年月 （ 6 ） 頁
である．収録データの掲載順は発行順を原則としたが，学術雑誌は発行年しかわからないものはその発行年の末尾に加えた．

また，この業績リストと同時に米澤氏への研究回顧のインタビューを電子版 Vol. 9, No.4 に掲載してあるので，関心をお持ちの方はそちらもお読みいただければ幸いです．

2 List of the Scientific Papers of Minoru Yonezawa

1. On the Mass Reversal in the Quantized Field Theory
T. Ouchi, K. Senba and M. Yonezawa
Progress of Theoretical Physics, Vol. 14, No. 2 (Aug. 1955) 172-173
2. Theory of Mass Reversal in the Quantized Field Theory
T. Ouchi, K. Senba and M. Yonezawa
Progress of Theoretical Physics, Vol. 15, No. 5 (May 1956) 431-444
3. The Decay Interaction of $K_{\mu 3}$ and K_{e3} and Fermi Interaction
S. Furuichi, T. Kodama, Y. Sugahara, M. Yonezawa and A. Wakasa
Progress of Theoretical Physics, Vol. 16, No. 1 (Jul. 1956) 64-66
4. On the Spins and Decay Interactions of $K_{\mu 3}$ and K_{e3}
S. Furuichi, T. Kodama, S. Ogawa, Y. Sugahara, A. Wakasa
and M. Yonezawa
Progress of Theoretical Physics, Vol. 17, No. 1 (Jan. 1957) 89-106
5. An Analysis of Rochester $K_{\mu 3}$ and K_{e3} Deta
S. Furuichi, Y. Sugahara, A. Wakasa and M. Yonezawa
Il Nuovo Cimento, Vol. 5, No. 1 (Jan. 1957) 285-288

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6. On the Spins and Decay Interactions of $K_{\mu 3}$ and $K_{e 3}$, Errata
S. Furuichi, T. Kodama, S. Ogawa, Y. Sugahara, A. Wakasa and M. Yonezawa
Progress of Theoretical Physics, Vol. 17, No. 4 (Apr. 1957) 618b-618b
7. The Study of Polarizations of Secondary Muons in K-meson Decay Processes
S. Furuichi, S. Sawada and M. Yonezawa
Il Nuovo Cimento, Vol. 6, No. 6 (Dec. 1957) 1416-1429
8. Note on the Polarization of the Muon in $K_{\mu 3}$
S. Furuichi, S. Sawada and M. Yonezawa
Il Nuovo Cimento, Vol. 7, No. 5 (Mar. 1958) 718-719
9. Some Features of the Electron Energy Spectrum in the $K_{e 3}$ Decay Process
S. Furuichi, S. Sawada and M. Yonezawa
Il Nuovo Cimento, Vol. 10, No. 3 (Nov. 1958) 541-543
10. On the Radiative Muon Decay
S. Sawada and M. Yonezawa
Progress of Theoretical Physics, Vol. 22, No. 2 (Aug. 1959) 309-310
11. Remarks on the decay interactions in the $K_{e 3}$ process
M. Yonezawa
Nuclear Physics, Vol. 12, No. 6 (Sep. 1959) 589-595
学位論文の主論文の学術雑誌に投稿された版である .
12. On the Possible Role of $\pi^{0'}$ -Meson in Decay Process
S. Sawada and M. Yonezawa
Progress of Theoretical Physics, Vol. 22, No. 5 (Nov. 1959) 610-616
13. Mass Levels of Baryons and Mesons
S. Sawada and M. Yonezawa
Progress of Theoretical Physics, Vol. 23, No. 4 (Apr. 1960) 662-693
14. A Possible Symmetry in Sakata's Model for Bosons-Baryons System. III
M. Ikeda, Y. Miyachi, S. Ogawa, S. Sawada and M. Yonezawa
Progress of Theoretical Physics, Vol. 25, No. 1 (Jan. 1961) 1-16
15. The τ^+ -decay and the Boson Isobar with $I = 2$ of the Sakata Model
S. Sawada, T. Ueda and M. Yonezawa
Progress of Theoretical Physics, Vol. 25, No. 5 (May 1961) 868-870
16. The Single Pion Production Process in π^- -p Collision at 1 Bev
and the Sakata Model
S. Sawada, T. Ueda and M. Yonezawa
Progress of Theoretical Physics, Vol. 25, No. 6 (Jun. 1961) 873-887
17. Chapter 3. Mass Formula in the Sakata Model
Structure of Elementary Particles
K. Matumoto, S. Sawada, Y. Sumi and M. Yonezawa
Progress of Theoretical Physics Supplement, No.19 (1961) 66-88
(pub. date: Feb. 1962)

18. Nuclear Forces and Bosons
 – *The Sakata Model and One-Boson-Exchange-Potentials* –
 N. Hoshizaki, S. Otsuki, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 27, No. 6 (Jun. 1962) 1199-1220
19. On Hara-Takebe's Treatment of the Lepton Energy Spectra in K_{e3}^+ -Decay
 S. Furuichi, S. Sawada and M. Yonezawa
 Progress of Theoretical Physics, Vol. 28, No. 2 (Aug. 1962) 402-404
20. One Boson Exchange Model in Proton-Proton Scattering
 – *An Approach to the Strong Interaction* –
 S. Sawada, T. Ueda, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 28, No. 6 (Dec. 1962) 991-1025
21. The η -meson and Scalar Boson Contributions to the Photon-Proton
 Elastic Scattering
 S. K. Kundu and M. Yonezawa
 Nuclear Physics, Vol. 44, No. 3 (Jun.-Jul. 1963) 499-506
22. One Boson Exchange Model in Nucleon-Nucleon Scattering
 S. Sawada, T. Ueda, W. Watari and M. Yonezawa
 Comptes Rendus du Congrès International de Physique Nucléaire,
 Vol. II (Jul. 1964) 197-198
23. One Boson Exchange Model in Nucleon-Nucleon Scattering. II
 S. Sawada, T. Ueda, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 32, No. 3 (Sep. 1964) 380-398
24. Threshold Behaviour of Partial-Wave Dispersion Relation
 S. Furuichi and M. Yonezawa
 Progress of Theoretical Physics, Vol. 32, No. 5 (Nov. 1964) 804-809
25. Effects of Mass Width of Bosons on Nucleon-Nucleon Scattering
 S. Furuichi, S. Sawada, T. Ueda, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 32, No. 6 (Dec. 1964) 966-968
26. Structure of the Two-Pion-Exchange Contribution in Nucleon-Nucleon Scattering
 S. Furuichi and M. Yonezawa
 Progress of Theoretical Physics, Vol. 33, No. 2 (Feb. 1965) 238-250
27. Note on the Scalar Boson
 S. Furuichi and M. Yonezawa
 Il Nuovo Cimento, Vol. 39, No. 1 (Sep. 1965) 279-286
28. Absorptive Correction to the Inelastic Amplitude in the Damping Theory
 of Strong Interactions
 M. Yonezawa
 Il Nuovo Cimento, Vol. 39, No. 1 (Sep. 1965) 365-367

29. Inelastic Process and the One-Boson-Exchange Model
M. Kikugawa, S. Sawada, T. Ueda, W. Watari and M. Yonezawa
Commemoration Issue for the Thirtieth Anniversary of the Meson Theory Dr. H. Yukawa
Progress of Theoretical Physics Supplement, Extra Number (Sep. 1965) 548-556
30. The 720 MeV S-Wave π - π Resonance and the One-Boson Exchange Model
of N-N Scattering
M. Kikugawa, S. Sawada, M. Yonezawa, T. Ueda and W. Watari
Il Nuovo Cimento, Serie 10 Vol. 40, No. 2 (Nov. 1965) 647-649
31. Scalar-Meson Production in Pion-Nucleon Collision
M. Kikugawa, M. Shiohara and M. Yonezawa
Il Nuovo Cimento A, Serie 10 Vol. 45, No. 3, (Oct. 1966) 765-768
32. Inelastic Process and the One Boson Exchange Model. II
M. Kikugawa, S. Sawada, T. Ueda, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 37, No. 1 (Jan. 1967) 88-106
33. Hard Core and Absorption in a Two-Channel Model for Proton-Proton Collision
G. Hida, S. Sawada, T. Yano and M. Yonezawa
Progress of Theoretical Physics, Vol. 37, No. 4 (Apr. 1967) 692-701
34. Coupling Constants of the One-Boson Exchange Model
S. Sawada, T. Ueda, W. Watari and M. Yonezawa
Il Nuovo Cimento A, Serie 10 Vol. 49, No. 2 (May 1967) 319-321
35. Shrinking Nature of Diffraction Amplitudes due to Peripheral Inelastic Processes
T. Ino, M. Kikugawa and M. Yonezawa
Il Nuovo Cimento A, Vol. 50, No. 4 (Aug. 1967) 960-962
36. Chapter 3. One-Boson-Exchange Model
Part I - *Nuclear Forces in Dynamical Region* -
Nuclear Forces
S. Ogawa, S. Sawada, T. Ueda, W. Watari and M. Yonezawa
Progress of Theoretical Physics Supplement, No. 39 (Aug. 1967) 140-189
37. Absorption Correction in High Energy Photoproduction of π^+
M. Kikugawa, T. Yano and M. Yonezawa
Progress of Theoretical Physics, Vol. 38, No. 5 (Nov. 1967) 1191-1193
38. Kinematical Considerations on Three-Pion-Exchange Contributions
in Nucleon-Nucleon Scattering
S. Furuichi and M. Yonezawa
Progress of Theoretical Physics, Vol. 38, No. 5 (Nov. 1967) 1200-1202
39. On the Non-Leptonic Decay Process
T. Hayashi, S. Ogawa, H. Okonogi and M. Yonezawa
Progress of Theoretical Physics, Vol. 39, No. 2 (Feb. 1968) 411-419

40. Experimental Estimate for the Left-Hand-Cut Contributions
in Nucleon-Nucleon Scattering
S. Furuichi, H. Suemitsu, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 40, No. 3 (Sep. 1968) 523-537
41. Chapter 3. One-Boson-Exchange Model, Errata
Part II - *Nuclear Forces in Core Region* -
Nuclear Forces
S. Ogawa, S. Sawada, T. Ueda, W. Watari and M. Yonezawa
Progress of Theoretical Physics Supplement, No. 42 (Dec. 1968) 160
42. Effects of the Form Factors in the One-Boson-Exchange Model
of Nucleon-Nucleon Scattering
M. Kikugawa, W. Watari and M. Yonezawa
Dedicated to Professor Minoru Kobayasi on the Occasion of his Sixtieth Birthday
Progress of Theoretical Physics Supplement, Extra Number (1968) 170-178
(pub. date: Feb. 1969)
43. Some Considerations on the Weak Interaction
T. Hayashi, Y. Koide, S. Ogawa, H. Okonogi and M. Yonezawa
Dedicated to Professor Minoru Kobayasi on the Occasion of his Sixtieth Birthday
Progress of Theoretical Physics Supplement, Extra Number (1968) 381-391
(pub. date: Feb. 1969)
44. One-Boson-Exchange Modes and Two- and Three-Pion Exchange
in Nucleon-Nucleon Interaction. I
S. Furuichi, T. Ueda, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 41, No. 1 (Jan. 1969) 131-144
45. One-Boson-Exchange Modes and Two- and Three-Pion Exchange
in Nucleon-Nucleon Scattering. II
S. Furuichi, H. Suemitsu, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 41, No. 2 (Feb. 1969) 461-472
46. On the Contributions from Heavy Pseudoscalar Mesons
to the Nucleon-Nucleon Interaction
S. Furuichi, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 41, No. 3 (Mar. 1969) 850-852
47. On the Charge and Magnetization Distributions of the Protons
T. Ino and M. Yonezawa
Lettre al Nuovo Cimento, Serie 1, Vol. 1, No.12 (Apr. 1969) 592-594
48. Inelastic Process and the One-Boson-Exchange Model. III
- *Effects of the Form Factors in the Proton-Proton Collision at $1 \sim 2$ GeV* -
M. Kikugawa, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 43, No. 2 (Feb. 1970) 407-424

49. On the Structure of the Forward Peak of Elastic Proton-Proton Scattering
M. Kawasaki, M. Kobayashi and M. Yonezawa
Lettre al Nuovo Cimento, Serie 1, Vol. 3, No. 21 (May 1970) 655-657
50. Energy Dependence of the Slope of the Forward Peak
in Elastic Proton-Proton Scattering
M. Kawasaki, M. Kobayashi and M. Yonezawa
Progress of Theoretical Physics, Vol. 44, No. 2 (Aug. 1970) 557-558
51. Analysis of the Kantor Amplitudes and Recent Low-Energy
Proton-Proton Scattering Experiments
S. Furuichi, H. Suemitsu, M. Yonezawa, W. Watari
Nuclear Physics A, Vol. 165, No. 1 (Apr. 1971) 211-224
52. On the Shrinkage of Forward Peaks of Elastic Proton-Proton Scattering
M. Kawasaki and M. Yonezawa
Progress of Theoretical Physics, Vol. 46, No. 4 (Oct. 1971) 1295-1297
53. M. Kawasaki, Y. Susuki and M. Yonezawa
An Infinite-One-Boson-Exchange Type Model for High-Energy
Elastic Proton-Proton Scattering
Progress of Theoretical Physics, Vol. 47, No. 2 (Feb. 1972) 589-602
54. Note on a Diffraction Model of Proton-Proton Scattering
M. Kawasaki and M. Yonezawa
Progress of Theoretical Physics, Vol. 48, No. 2 (Aug. 1972) 691-692
55. Helicity Structure of Low-Energy Nucleon-Nucleon Scattering Amplitude
M. Kawasaki, M. Yonezawa and W. Watari
Lettre al Nuovo Cimento, Serie 2, Vol. 4, No. 17 (Aug. 1972) 935-939
56. The Kantor Amplitudes of Nucleon-Nucleon Scattering below 500 MeV
S. Furuichi, H. Suemitsu, M. Yonezawa, W. Watari
Nuclear Physics A, Vol. 193, No. 1 (Oct. 1972) 285-296
57. Helicity-Amplitude Description of Low-Energy Nucleon-Nucleon Scattering
M. Kawasaki, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 49, No. 2 (Feb. 1973) 531-540
58. Mass Formula for Hadrons and a Nonet Scheme for Mesons
T. Fukuda, T. Yanagida and M. Yonezawa
Progress of Theoretical Physics, Vol. 51, No. 5 (May 1974) 1406-1415
59. π_8^0 - η_1 Mixing
T. Fukuda, M. Kawasaki, T. Yanagida and M. Yonezawa
Progress of Theoretical Physics, Vol. 53, No. 4 (Apr. 1975) 1135-1144
60. On Disconnected Quark Diagram
T. Yanagida and M. Yonezawa
Progress of Theoretical Physics, Vol. 54, No. 1 (Jul. 1975) 284-285

61. Amplitudes of Disconnected Quark Diagrams
T. Yanagida and M. Yonezawa
Progress of Theoretical Physics, Vol. 54, No. 3 (Sep. 1975) 901-903
62. Does π - N Scattering Show the Dip Structure in the Differential Cross Section at the FNAL Energy Region ?
Y. Suzuki and M. Yonezawa
Progress of Theoretical Physics, Vol. 54, No. 4 (Oct. 1975) 1231-1232
63. A Relation between π - p and p - p Scatterings
Y. Susuki and M. Yonezawa
Lettre al Nuovo Cimento, Serie 2 Vol.14, No. 8 (Oct. 1975) 267-270
64. Low-Energy Pomeron
T. Yanagida and M. Yonezawa
Progress of Theoretical Physics, Vol. 56, No. 4 (Oct. 1976) 1199-1203
65. The Chou-Yang Model and High Energy p - p Elastic Scattering
T. Maehara, T. Yanagida and M. Yonezawa
Progress of Theoretical Physics, Vol. 57, No. 3 (Mar. 1977) 1097-1099
66. A Possible N - Δ Resonance with $T = 1$ and $J^P = 2^-$ near Threshold
M. Matsuda and M. Yonezawa
Progress of Theoretical Physics, Vol. 58, No. 4 (Oct. 1977) 1327-1329
67. Proton-Proton Scattering Amplitudes at $P_L = 6$ GeV/ c
– *A Semi Phenomenological Phase-Shift Analysis* –
M. Matsuda, H. Suemitsu, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 62, No. 5 (Nov. 1979) 1436-1438
68. A Phase-Shift Analysis of Proton-Proton Scattering at $P_L = 6$ GeV/ c
M. Matsuda, H. Suemitsu, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 64, No. 4 (Oct. 1980) 1344-1356
69. A Partial-Wave Analysis of $p + p \rightarrow \pi^+ + d$ Reaction from Threshold to $T_L = 578$ MeV
H. Kamo, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 64, No. 6 (Dec. 1980) 2144-2157
70. Phase-Shift Analysis of Proton-Proton Scattering at $P_L = 12$ GeV/ c
M. Matsuda, H. Suemitsu, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 66, No. 3 (Sep. 1981) 1102-1105
71. On the Phase-Shift Solution in the Diproton Resonance Region: $P_L = 1.2 \sim 1.7$ GeV/ c
M. Akemoto, M. Matsuda, H. Suemitsu and M. Yonezawa
Progress of Theoretical Physics, Vol. 67, No. 2 (Feb. 1982) 554-570
72. Phase Shift Analysis of π - d Elastic Scattering in the Momentum Region
 $p_L^\pi = 245$ MeV/ $c \sim 539$ MeV/ c
N. Hiroshige, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 68, No. 1 (Jul. 1982) 327-330

73. Partial Wave Analysis of $pp \rightarrow \pi^+d$ Reaction in the Energy Region $T_L^p \leq 810$ MeV
 N. Hiroshige, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 68, No. 6 (Dec. 1982) 2074-2085
74. Partial wave analysis of $pp \rightarrow \pi d$, πd elastic and pp elastic in the dibaryon region
 N. Hiroshige, W. Watari and M. Yonezawa
 AIP Conf. Proc., Vol. 95, No. 1 (Mar. 1983) 181-186
75. High Energy Hadron-Nucleus Diffraction Scattering and Nuclear Structure
 K. Takabayashi and M. Yonezawa
 Physics Letters B, Vol. 127, No. 3-4 (Jul. 1983) 169-171
76. Partial-Wave Amplitudes of $pp\text{-}\pi^+d$ Process from Its Threshold to $T_p^L = 810$ MeV
 N. Hiroshige, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 72, No. 6 (Dec. 1984) 1146-1157
77. Pion-Deuteron Elastic Scattering Amplitudes in $T_\pi^L = 117 \sim 325$ MeV Region
 N. Hiroshige, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 72, No. 6 (Dec. 1984) 1282-1286
78. Analysis of the Dibaryon Resonances with $J^P = 2^+$ and 3^-
 by a Three-Channel ($pp, N\Delta, \pi d$) K -Matrix Method
 N. Hiroshige, M. Kawasaki, K. Takabayashi, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 72, No. 6 (Dec. 1984) 1287-1290
79. The dibaryon resonance in pion-deuteron scattering and the standard theory
 for the $A = 2$ system
 N. Hiroshige, W. Watari, K. Takabayashi and M. Yonezawa
 Physics Letters B, Vol. 150, No. 1-3 (Jan. 1985) 41-44
80. A Three-Channel ($pp, N\Delta, \pi d$) K -Matrix Analysis of the Dibaryon Resonances
 N. Hiroshige, M. Kawasaki, K. Takabayashi, W. Watari and M. Yonezawa
 Journal de Physique, Colloque C2, supplément au no. 2, Tome 46
 (Feb. 1985) C2-477-C2-478
 - 6th International Symposium on High Energy Spin Physics -
81. Analysis of the Dibaryon Resonances with $J^P = 2^+$ and 3^-
 by a Three-Channel ($pp, N\Delta, \pi d$) K -Matrix Method, Errata
 N. Hiroshige, M. Kawasaki, K. Takabayashi, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 74, No. 1 (Jul. 1985) 193
82. Non-Strange Dibaryon with $J^P = 2^-$ and $I = 1$
 N. Hiroshige, M. Kawasaki, W. Watari and M. Yonezawa
 Progress of Theoretical Physics, Vol. 74, No. 5 (Nov. 1985) 1161-1164
83. Elastic p - p Scattering Amplitudes at 6 GeV/ c
 M. Matsuda, H. Suemitsu and M. Yonezawa
 Physical Review D, Vol. 33, No. 9 (May 1986) 2563-2571

84. Evidence of Short-Range Repulsive Spin-Orbit Components
in the Proton-Proton Interaction
M. Matsuda, H. Suemitsu and M. Yonezawa
Progress of Theoretical Physics, Vol. 77, No. 3 (Mar. 1987) 497-501
85. Evaluation of Elastic $N\Delta$ Scattering Amplitude from Inelastic
 $pp \rightarrow N\Delta$ Amplitude
N. Hiroshige, M. Kawasaki, W. Watari and M. Yonezawa
Modern Physics Letters A, Vol.5, No.3 (Jan. 1990) 207-214
86. Partial-Wave Amplitudes of Elastic πd Scattering
N. Hiroshige, M. Kawasaki, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 84, No. 5 (Nov. 1990) 941-950
87. Dynamical Electroweak Symmetry Breaking with Color-Sextet Quarks
K. Fukazawa, T. Muta, J. Saito, I. Watanabe, M. Yonezawa and Masato Inoue
Progress of Theoretical Physics, Vol. 85, No. 1 (Jan. 1991) 111-130
88. $N\Delta \rightarrow N\Delta$ Amplitude and a Possible Narrow Dibaryon Resonance
with $J^P = 2^+$
N. Hiroshige, M. Kawasaki, W. Watari and M. Yonezawa
Progress of Theoretical Physics, Vol. 85, No. 5 (May 1991) 945-950
89. Break structure of forward peaks of elastic pp and $\bar{p}p$ scattering
at high energies
M. Kawasaki, T. Takaishi and M. Yonezawa
Physical Review Letters, Vol. 67, No. 10 (Sep. 1991) 1197-1200
90. Brown-Feynman Reduction of One-Loop Feynman Diagrams to Scalar Integrals with
Orthonormal Basis Tensors
Y. Ezawa, T. Hayashi, M. Kikugawa, J. Kodaira, T. Muta, R. Najima, J. Saito,
S. Wakaizumi, T. Watanabe, T. Yano and M. Yonezawa
Computer Physics Communications, Vol. 69, No. 1 (Feb. 1992) 15-45
91. The forward peak of elastic hadron-hadron scattering and unitarity
bounds for the differential cross section
M. Kawasaki, T. Maehara and M. Yonezawa
Modern Physics Letters A, Vol. 7, No. 21 (Jul. 1992) 1905-1913
92. Generalized geometrical scaling for elastic hadron-hadron scattering at high energies
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 47, No. 1 (Jan. 1993) R3-R6
93. Generalized geometrical scaling behavior of elastic hadron-hadron scattering amplitudes
at high energies
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 48, No. 7 (Oct. 1993) 3098-3109
94. Unitarity bounds and elastic hadron-hadron scattering in the energy region of the
Superconducting Super Collider and beyond

- M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 48, No. 9 (Nov. 1993) 4082-4085
95. Diffraction model of elastic hadron-hadron scattering
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 50, No. 7 (Oct. 1994) 4423-4428
96. The elastic $\bar{p}p$ differential cross section measurements at the CERN $Spp\bar{p}S$ and the real part of the scattering amplitude
M. Kawasaki, T. Maehara and M. Yonezawa
Physics Letters B, Vol. 348, No. 3-4 (Apr. 1995) 623-627
97. Quantitative test of the generalized geometrical scaling hypothesis for elastic pp and $\bar{p}p$ scattering
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 53, No. 9 (May 1996) 4838-4850
98. M. Kawasaki, T. Maehara and M. Yonezawa
Comment on the Kandrát-Lokajíček assertion about the applicability of the Martin formula
Physical Review D, Vol. 55, No. 5 (Mar. 1997) 3225-3228
99. Gluonic radius of the proton and high energy $\bar{p}p$ scattering
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 57, No. 3 (Feb. 1998) 1822-1830
100. Asymptotic properties of elastic hadron-hadron diffraction scattering amplitude
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 62, No. 7 (Oct. 2000) 074005.1-074005.13
101. Dip-bump structure of the elastic hadron-hadron differential cross section
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 67, No. 1 (Jan. 2003) 014013.1-014013.6
102. Forward diffraction amplitude of pp and $\bar{p}p$ elastic scattering at accelerator energies
M. Kawasaki, T. Maehara and M. Yonezawa
Physical Review D, Vol. 70, No. 11 (Dec. 2004) 114024.1-114024.5
103. Momentum-transfer structure of pomeron at accelerator energies
M. Kawasaki, T. Maehara and M. Yonezawa
Modern Physics Letters A, Vol. 19, No. 40 (Dec. 2004) 3001-3010

3 米澤博士と関係がある論文

この節には米澤博士の個人の研究業績には入らないが、初期の共同研究者の古市 進，沢田昭二，上田保の各氏の学位論文のように米澤氏との共同研究の中から派生した研究業績と米澤氏の示唆によって始められ，それぞれの著者（喜久川氏以降）の学位論文等をリストする．また，少数ではあるが，単に議論等による示唆を受けただけの研究もある．また編者の知るコメント等を付加した．

1. On the Decay Interactions of Neutral K_{e3} and $K_{\mu3}$
S. Furuichi
Il Nuovo Cimento, Vol. 7, No. 3 (Feb. 1958) 269-277
2. Single Pion Production Process in Pion-Nucleon Collision and the Sakata Model
S. Sawada
Progress of Theoretical Physics, Vol. 25, No. 1 (Jan. 1961) 83-101
3. The One Boson Exchange Model in the Single Pion Production Process
in Proton-Proton Collision
T. Ueda
Progress of Theoretical Physics, Vol. 29, No. 6 (May 1963) 829-850
4. An Analysis of the Low Energy π - N Scattering
M. Kikugawa
Progress of Theoretical Physics, Vol. 31, No. 4 (Apr. 1964) 654-678
5. f^0 -Meson and Proton-Proton Scattering
N. Hiroshige, T. Ino and M. Matsuda
Progress of Theoretical Physics, Vol. 31, No. 4 (Apr. 1964) 719-720
 f^0 -Meson を考慮することは仙波敬氏によって示唆されたものである .
6. The Effects of f_0 -Meson on the πN Scattering
N. Hiroshige, T. Ino and M. Kikugawa
Progress of Theoretical Physics, Vol. 31, No. 4 (Apr. 1964) 721-723
 f_0 -Meson を考慮することは仙波敬氏によって示唆されたものである .
7. M. Matsuda and S. Sawada
Nuclear Force and OBEC-Model
Progress of Theoretical Physics, Vol. 31, No. 5 (May 1964) 804-824
8. On the Resonance N_{11}^*
N. Hiroshige and M. Kikugawa
Progress of Theoretical Physics, Vol. 32, No. 4 (Oct. 1964) 670-671
9. Nucleon-Nucleon Scattering and f^0 -Meson
T. Ino, M. Matsuda and S. Sawada
Progress of Theoretical Physics, Vol. 33, No. 3 (Mar. 1965) 489-499
10. Effects of Absorption on the Real Phase Shift
G. Hida and T. Yano
Progress of Theoretical Physics, Vol. 36, No. 3 (Sep. 1966) 658-660
この論文は沢田昭二氏の示唆によって始められた研究である .
11. Long Range Interaction in Low Energy K - N Scattering
T. Ino
Progress of Theoretical Physics, Vol. 37, No. 2 (Feb. 1967) 398-418
12. Absorption Correction in High Energy Photoproduction of π^+
T. Yano
Progress of Theoretical Physics, Vol. 39, No. 5 (May 1968) 1193-1208

13. A Phenomenological Representation of High Energy Scattering of Hadrons
M. Shiohara
Progress of Theoretical Physics, Vol. 41, No. 1 (Jan. 1969) 88-104
14. A Model for the Electromagnetic Form Factors of Nucleons
M. Kobayashi
Progress of Theoretical Physics, Vol. 42, No. 6 (Dec. 1969) 1319-1328
15. On the Quark Counting Additivity Sum Rules
M. Matsuda
Progress of Theoretical Physics, Vol. 44, No. 5 (Nov. 1970) 1300-1306
16. A Simple Two-Channel Diffraction Model for Elastic Scattering of Hadrons
at High Energies
M. Kawasaki
Progress of Theoretical Physics, Vol. 44, No. 6 (Dec. 1970) 1618-1632
17. Regge-Like Behaviour of Nucleon-Nucleon Scattering Amplitudes at Low Energy
H. Suemitsu
Progress of Theoretical Physics, Vol. 47, No. 6 (Jun. 1972) 1922-1934
18. Remarks on the Regge-Like Behaviour of the One-Boson-Exchange Amplitude
in Low-Energy Nucleon-Nucleon Scattering –*K-Matrix method*–
Y. Susuki
Progress of Theoretical Physics, Vol. 49, No. 2 (Feb. 1973) 541-551
19. Remarks on the Regge-Like Behaviour of the One-Boson-Exchange Amplitude
in Low-Energy Nucleon-Nucleon Scattering – *K-Matrix method* –, Errata
Y. Susuki
Progress of Theoretical Physics, Vol. 49, No. 4 (Apr. 1973) 1382
20. Break of Forward Slope and Dip in Proton-Proton Differential Cross Sections
Y. Susuki
Progress of Theoretical Physics, Vol. 54, No. 2 (Aug. 1975) 438-446
21. Multipole Amplitude Analysis of Elastic Photon-Proton Scattering below 500 MeV
and the One-Particle-Exchange Model
G. Hida and M. Kikugawa
Progress of Theoretical Physics, Vol. 55, No. 4 (Apr. 1976) 1156-1168
この論文は米沢氏の示唆によって始められた研究である。その後の研究中には米沢氏
との議論はあまりなかったと思われる。
22. *t*- and *u*-Channel Structure of Non-Resonant π -*N* Scattering Amplitudes at Low Energies
T. Yanagida
Progress of Theoretical Physics, Vol. 57, No. 1 (Jan. 1977) 184-191
23. Photon-Proton Scattering at Low Energies
G. Hida and M. Kikugawa
Progress of Theoretical Physics, Vol. 58, No. 1 (Jul. 1977) 372-374
論文 21 と同じいきさつがある論文である。

24. Extraction of a Collective Submanifold for the Henon-Heiles System
K. Takabayashi
Progress of Theoretical Physics, Vol. 78, No. 6 (Dec. 1987) 1351-1363