9.1 PUBLICATIONS

JOURNALS

1. *H. Akimune, I. Daito, Y. Fujita, M. Fujiwara, M. B. Greenfield, M. N. Harakeh, T. Inomata, J. Jänecke, K. Katori, S. Nakayama, H. Sakai, M. Tanaka and M. Yosoi*
   Phys. Rev. **C52** (1995) 604-615
   Direct Proton Decay from the Gamow-Teller Resonance in ^{208}Bi

2. *M. Arneodo, Y. Mizuno,* et al. *(NMC Collaboration)*
   Phys. Lett. **B364** (1995) 107-115
   Measurement of the Proton and the Deuteron Structure Functions, f_2^P and f_2^D

3. *B. F. Davis, H. Akimune, A. Bacher, G. P. A. Berg, C. C. Foster, M. Fujiwara, U. Garg, M. N. Harakeh, J. Jänecke, J. Lissanti, K. Pham, W. Reviol, D. Roberts, E. J. Stephenson and Y. Wang*
   Nucl. Phys. **A599** (1996) 277-282c
   The "Other" Giant Dipole Resonance: Evidence for the Isoscalar Giant Dipole Resonance in ^{208}Pb from Inelastic α Scattering at 0°

4. *H. Ejiri, K. Fushimi, R. Hazama, T. Kawasaki, V. Koutz, N. Kudomi, K. Kume, K. Nagata, H. Ohsumi, K. Okada, H. Sano, T. Senoo, T. Shibata, T. Shima, J. Tanaka and Y. Zdesenco*
   J. Phys. Soc. Japan, Letters **64** (1995) 334-343
   Double Beta Decays of ^{116}Cd

5. *H. Ejiri and H. Toki*
   Lett. J. Phys. Soc. Japan (1995) 657
   Nuclear Matrix Elements for Two Nutrino Double Beta Decays

6. *Y. Fujita, H. Akimune, I. Daito, M. Fujiwara, M. N. Harakeh, T. Inomata, J. Jänecke, K. Katori, H. Nakada, S. Nakayama, A. Tamii, M. Tanaka, H. Toyokawa and M. Yosoi*
   Phys. Lett. **B365** (1996) 29-34
   Isospin Decomposition of the Gamow-Teller Strength in ^{58}Cu

7. *M. Fujiwara, H. Akimune, I. Daito, H. Ejiri, Y. Fujita, M. B. Greenfield, M. N. Harakeh, T. Inomata, J. Jänecke, S. Nakayama, N. Takemura, A. Tamii, M. Tanaka, H. Toyokawa and M. Yosoi*
   Nucl. Phys. **A599** (1996) 223-244c
   Spin-Isospin Resonances in Nuclei

8. *J. Jänecke, T. Annakkage, K. Pham, D. A. Roberts, J. A. Brown, G. Crawley, S. Danczik, D. J. Mercer, J. Stasko, J. S. Winfield, G. H. Yoo, G. P. A. Berg and M. Fujiwara*
   Nucl. Phys. **A599** (1996) 191-196c
   Isovector Giant Resonances in ^{6}He, ^{12}B, ^{90}Y, ^{120}In, and ^{208}Tl

9. *I. Katayama, H. Ikegami, H. Ogawa, Y. Haruyama, M. Tosaki, A. Aoki, F. Fukuzawa, K. Yoshida and I. Sugai*

Phys. Rev. **A53** (1996) 242-249
High-Resolution Study of Electron Capture by 72- and 52-MeV ^{3}He Projectiles from Targets of High Atomic Number

10. *T. Kishimoto, S. Ajimura, H. Ejiri, K. Ikeda, M. Ishikawa, T. Nakano, A. Okusu, N. Shinkai, Y. Tanaka, T. Hasegawa, T. Nagae, M. Sekimoto, T. Shibata, H. Noumi, K. Manabe, K. Maeda, T. Takahashi, H. Bhang, H. Park and M. Youn*
Nucl. Phys. **A** (1995) 205c-210c
Study of $\Lambda N \to NN$ Process in Polarized $^5_\Lambda$He

11. *T. Kishimoto, S. Ajimura, H. Ejiri, F. Nakamura, H. Noumi, A. Higashi, G. Inoue, D. Ro. Gill, L. Lee, A. Olin and S. Yen*
Phys. Rev. **C51** (1995) 2233-2236
Λ-Nucleon Interaction in Nuclei Probed by the Quasifree $^{12}C(\pi^+, K^-)$ Reaction

12. *N. Matsuoka, T. Noro, K. Tamura, M. Yoshimura, M. Yosoi, A. Okihana and T. Yoshimura*
Phys. Lett. **B359** (1995) 39-42
Search for Deeply-Bound Pionic States Using (p,^{2}He) Reactions at 390.6 MeV

13. *Y. Mizuno*
Nucl. Phys. **A577** (1994) 331c-334c.
Isospin Dependence of Quark Distributions in the Nucleon at High X_{BJ}

14. *K. Nagata, H. Ejiri, K. Hayashi, T. Shima and J. Tanaka*
Nucl. Instr. and Meth. **A362** (1995) 201-272
Development of a Thin Drift Chamber for the Double Beta Decay Experiment

15. *K. Pham, J. Jänecke, D. A. Robert, M.N. Harakeh, G. P. A. Berg, S. Chang, J. Liu, E. J. Stephenson, B. F. Davis, H. Akimune and M. Fujiwara*
Phys. Rev. **C51** (1995) 526-540
Fragmentation and Splitting of Gamow-Teller Resonances in Sn(^{3}He,t)Sb Charge-Exchange Reactions, A=112-124

16. *H. Sakai, H. Okamura, H. Otsu, T. Wakasa, S. Ishida, N. Sakamoto, T. Uesaka, Y. Satou, S. Fujita and K. Hatanaka*
Nucl. Inst. Meth. **A369** (1996) 120-134
Facility for the (p, n) Polarization Transfer Measurement

17. *Y. Sakemi, H. Sakaguchi, M. Yosoi, H. Akimune, T. Takahashi, A. Yamagoshi, A. Tamii, M. Fujiwara, K. Hatanaka, K. Hosono, T. Noro, H. Togawa, I. Daito, Y. Fujita and T. Inomata*
Phys. Rev. **C51** (1995) 3162-3168
Zero-Degree Proton Inelastic Scattering to the 1^+, T=0 and T=1 States in ^{12}C

18. *T. Shimoda, H. Miyatake, S. Mitsuoka, Y. Mizoi, H. Kobayashi, M. Sasaki, T. Shirakura, H. Ueno, H. Izumi, K. Asahi, T. Murakami, S. Morinobu and N. Takahashi*
Nucl. Phys. **A588** (1995) 235c-240c
Preservation of Nuclear Spin Polarization of ^{12}B in Superfluid Helium

19. *N. Takahashi, T. Shimoda, Y. Fujita, T. Itahashi and H. Miyatake*
Z. Phys. **B98** (1995) 347-351
Snowballs of Radioactive Ions – Nuclear Spin Polarization of Core Ions

20. *M. Tanaka, M. Fujiwara, S. Nakayama and L. W. Anderson*
Phys. Rev. **A52** (1995) 392-397
Method for Production of a ^{3}He Beam with High Polarization and High Intensity

21. *H. Toyokawa, H. Ohnuma, Y. Tajima, T. Niizeki, Y. Honjo, S. Tomita, K. Ohkushi, M. H. Tanaka, S. Kubono and M. Yosoi*
Phys. Rev. **C51** (1995) 2592-2596
Coupling Effects Studied in the ^{13}C$(p, pn)^{12}$C and ^{13}C$(p, d)^{12}$C Reactions at $E_p = 35$ MeV

22. *T. Wakasa, H. Sakai, H. Okamura, H. Otsu, S. Ishida, N. Sakamoto, T. Uesaka, Y. Satou, M. B. Greenfield, N. Koori, A. Okihana and K. Hatanaka*
Phys. Rev. **C51** (1995) R2871-R2875
Spin-Flip Strength in the Continuum and Effective Tensor Interactions via Polarization Transfer $D_{NN}(0°)$ for $(\vec{p}, \vec{n})$ Reactions at 295 MeV

23. *T. Yamagata, H. Utsunomiya, M. Tanaka, S. Nakayama, N. Koori, A. Tamii, Y. Fujita, K. Katori, M. Inoue, M. Fujiwara and H. Ogata*
Nucl. Phys. **A589** (1995) 425-434
Elastic Scattering of ^{3}He Particles at 450 MeV

24. *T. Yamaya, K. Ishigaki, H. Ishiyama, T. Suehiro, S. Kato, M. Fujiwara, K. Katori, M. H. Tanka, S. Kubono, V. Guimaraes and S. Ohkubo*
Phys. Rev. **C53** (1996) 131-136
α–Cluster States above the Threshold Energy in ^{44}Ti

25. *R. De Leo, H. Akimune, N. Blasi, I. Daito, Y. Fujita, M. Fujiwara, S. I. Hayakawa, S. Hatori, K. Hosono, H. Ikegami, T. Inomata, I. Katayama, K. Katori, L. Lagamba, S. Micheletti, S. Morinobu, T. Nakagawa, S. Nakayama, A. Narita, T. Noro, R. Perrino, M. Pignanelli, H. Sakaguchi, J. Takamatsu, A. Tamii, K. Tamura, M. Tanaka, A. Terakawa, T. Tohei, M. Tosaki, T. Yamagata, A. Yamagoshi, M. Yosimura and M. Yosoi*
Phys. Rev. **C** (1996), in press
Isospin Character of Low–lying States in ^{56}Fe

26. *M. Fujiwara, H. Akimune, I. Daito, H. Ejiri, Y. Fujita, M. B. Greenfield, M. N. Harakeh, T. Inomata, J. Jänecke, S. Nakayama, N. Takemura, A. Tamii, M. Tanaka, H. Toyokawa and M. Yosoi*
(1995) Nucl. Phys., in press
Spin-Isospin Resonances in Nuclei

27. *S. Mitsuoka, T. Shimoda, H. Miyatake, Y. Mizoi, H. Kobayashi, M. Sasaki, T. Shirakura, N. Takahashi, T. Murakami and S. Morinobu*
Nucl. Instr. and Meth. **A** (1996), in print
Performance of Fragment Separator with Homogeneously Thick Energy Degrader: A Highly Flexible System for Use with Degraders in a Wide Thickness Range

28. *Y. Fujiwara and Y. C. Tang*
Prog. Theor. Phys. **93** (1995) 711-726
Reaction Cross Sections in Light Nuclear Systems with the Multiconfiguration Resonating-Group Method

29. *Y. Fujiwara, C. Nakamoto and Y. Suzuki*
Prog. Theor. Phys. **94** (1995) 215-232
RGM Study of the Hyperon-Nucleon Interaction in the SU_6 Quark Model. I – Analysis of NN and $\Sigma^+ p$ Systems –

30. *Y. Fujiwara, C. Nakamoto and Y. Suzuki*
Prog. Theor. Phys. **94** (1995) 353-372
RGM Study of the Hyperon-Nucleon Interaction in the SU_6 Quark Model. II – Analysis of $\Lambda N - \Sigma N$ $(I = 1/2)$ Coupled-Channel Systems –

31. *Y. Fujiwara, C. Nakamoto and Y. Suzuki*
Phys. Rev. Lett. **76** (1996) 2242-2245
Unified Description of NN and YN Interactions in a Quark Model with Effective Meson-Exchange Potentials

32. *J. A. Gomez Tejedor, E. Oset and H. Toki*
Phys. Lett. **B346** (1995) 240-243
Double D Production in the $\gamma d \to pnp + p^-$ Reaction

33. *N. Hiroshige, H. Yoshino, J. Nagata, M. Matsuda and T. Ueda*
Prog. Theor. Phys. **95** (1996)
Sigma Meson Production Model for $np \to d(\pi\pi)^0$ Reaction at p_L =1.46 and 1.9 GeV/c

34. *H. Ichie, H. Suganuma and H. Toki*
Phys. Rev. **D52** (1995) 2944-2950
QCD Phase Transition at Finite Temperature in the Dual Ginzburg-Landau Theroy

35. *Y. Kanada-En'yo, H. Horiuchi and A. Ono*
Phys. Rev. **C52** (1995) 628-646
Structure of Li abd Be Isotopes Studied with Antisymmetrized Molecular Dynamics

36. *Y. Kanada-En'yo and H. Horiuchi*
Phys. Rev. **C52** (1995) 647-662
Neutron-Rich B Isotopes Studied with Antisymmetrized Molecular Dynamics

37. *K. Kume and N. Nose*
Phys. ReV. **C51** (1995) 2006-2010
Core-Polarization Effects in Pion Elastic Scattering from Polarized Spin-1/2 Nuclei

38. *C. Nakamoto, Y. Suzuki and Y. Fujiwara*
Prog. Theor. Phys. **94** (1995) 65-90
Central Force of the Hyperon-Nucleon Interaction in the SU_6 Quark Model

39. *T. Sakai, K. Yazaki and K. Shimizu*
Nucl. Phys. **A594** (1995) 247-262
H-Dibaryon in Nuclear Matter

40. *S. Sasaki, H. Suganuma and H. Toki*
Prog. Theor. Phys. **94** (1995) 373-384
Dual Ginzburg-Landau Theory with QCD Monopoles for Dynamical Chiral-Symmetry Breaking

41. *H. Suganuma, S. Sasaki and H. Toki*
Nucl. Phys. **B435** (1995) 207-240
Color Confinement, Quark Pair Creation and Dynamical Chiral-Symmetry Breaking in the Dual Ginzburg-Landau Theory

42. *H. Suganuma, S. Sasaki, H. Toki and H. Ichie*
Prog. Theor. Phys. (Suppl.) **120** (1995) 57-73
Dual Higgs Mechanism for Quarks and Hadrons

43. *H. Suganuma, A. Tanaka, S. Sasaki and O. Miyamura*
Nucl. Phys. **B** (Proc. Suppl.) **47** (1996) pp.302-305
Evidence of Strong Correlation between Instanton and QCD-monopole on SU(2) Lattice

44. *K. Sumiyoshi, H. Kuwabara and H. Toki*
Nucl. Phys. **A581** (1995) 725-746
Relativistic Mean Field Theory with Non-linear σ and ω Terms for Neutron Stars and Supernovae

45. *K. Sumiyoshi, K. Oyamatsu and H. Toki*
Nucl. Phys. **A595** (1995) 327-345
Neutron Star Profiles in the Relativistic Bruckner Hartree-Fock Theory

46. *K. Sumiyoshi, H. Suzuki and H. Toki*
Astro. and Astrophys. **303** (1995) 475-482
Influence of the Symmetry Energy on the Birth of Neutron Stars and Supernova Neutrinos

47. *I. Tanihata, D. Hirata and H. Toki*
Nucl. Phys. **A583** (1995) 769-774
Are all nuclei spherical at the drip line?

48. *T. Ueda, Y. Ikegami and K. Tada*
Few-Body Systems **18** (1995) 133-146
Three-Body Dynamics on $pp \to pp, pp \to \pi d$ and $\pi d \to \pi d$ Processes below 1GeV

49. *T. Ueda, Y. Ikegami, K. Tada and K. Kameyama*
Few-Body Systems Suppl. **9** (1995) 177-186
πNN Dynamics on $NN - NN$, $pp - \pi d$, $\pi d - \pi d$ and $pp - \pi NN$ below 1GeV

50. *T. Ueda, K. Tada and K. Kameyama*
πN Newsletters **10** (1995) 109-114
Physics on πNN and ηNN Systems

51. *T. Ueda, K. Tada and K. Kameyama*
Prog. Theor. Phys. **95** (1996) 115-141
A Separable Representation of the NN One-Boson-Exchange Potential and the Effect of the ${}^1S_0$ Potential on the $J^P = 0^- \pi NN$ System near Pion Threshold

52. *H. Yoshino, J. Nagata, Y. Yoshino, M. Matsuda, N.Hiroshige and T. Ueda*
Prog. Theor. Phys. **95** (1996)
Neutron-Proton Phase Shifts between 500 and 1090 MeV

53. *H. Ichie, H. Suganuma and H. Toki*
RCNP preprint (1996), to appear in Phys. Rev. **D**
The Multi Color-Flux-Tube System in the Dual Ginzburg-Landau Theory

54. *A. Hosaka and H. Toki*
Phys. Rep. (1996), accepted for publication
Chiral Bag Model for the Nucleon

55. *T. Morii, S. Tanaka and T. Yamanishi*
to be published in Phys. Lett. **B**
Two-Spin Asymmetries for χ Productions at RHIC

56. *T. Morii, A. I. Titov and T. Yamanishi*
to be published in Phys. Lett. **B**
Δs Density in a Proton and Unpolarized Lepton - Polarized Proton Scatterings

57. *H. Suganuma, K. Itakura and H. Toki*
RCNP preprint (1995)
Instantons and QCD-monopole Trajectory in the Abelian Dominating System