

[Hardware / Software R & D]

Accelerator

Refereed Papers

[1989]

- [1] "6-GeV Synchrotron Radiation Project"
H. Kamitsubo, S. H. Be, M. Hara, R. Nagaoka, S. Sasaki, T. Wada
Review of Scientific Instruments, **60**, (1989), 1719-1721

[1990]

- [2] "Storage Ring Design for the 8 GeV Synchrotron Radiation Facility in Japan"
M. Hara, S. Be, T. Kusaka, H. Miyabe, Y. Morimoto, S. Motonaga, R. Nagaoka, J. Ohnishi, Y. Oikawa, S. Sasaki, H. Takebe, H. Tanaka, K. Tsumaki, T. Wada, S. Yokouchi, K. Yoshida, T. Yoshiyuki, H. Kamitsubo
Particle Accelerators, **33**, (1990), 51-56
- [3] "The Performance Characteristic of a St 707 Non. Evaporable Getter Strip for SPring-8"
Y. P. Lee, S. Yokouchi, Y. Morimoto, H. Sakamoto, N. Hinago, S. H. Be
真空 (Journal of the Vacuum Society of Japan), **33**, (1990), 154
- [4] "Higher-Order Sextupole Resonances in Low-Emittance Light Source Storage Rings"
R. Nagaoka, K. Yoshida, M. Hara
Particle Accelerators, **33**, (1990), 57-62
- [5] "The Use of a Single Wavelength Wiggler in PEP as a Circular Polarized Hard X-Ray Source"
S. Sasaki, B. Youngman, H. Winick
Nuclear Instruments and Methods in Physics Research Section A, **291**, (1990), 401-407

[1991]

- [6] "Performance Characteristics of Lumped Nonevaporable Getter (NEG) Pump"
S. In, T. Maruyama, S. Yokouchi, S. Be
真空 (Journal of the Vacuum Society of Japan), **34**, (1991), 882-893
- [7] "Sensitivity Calibration of Ionization Gauges for Various Gases Using a Spinning Rotor Gauge (SRG)"
S. In, S. Takahashi, H. Daibo, T. Maruyama, S. Yokouchi, S. Be
真空 (Journal of the Vacuum Society of Japan), **34**, (1991), 601-604
- [8] "8 GeV Synchrotron Radiation Facility Project in Japan: JAERI-RIKEN SPring-8 Project"
H. Kamitsubo
Nuclear Instruments and Methods in Physics Research Section A, **303**, (1991), 421-434
- [9] "Nonlinear Dynamics with Sextupoles in Low-Emittance Light Source Storage Rings"
R. Nagaoka, K. Yoshida, M. Hara
Nuclear Instruments and Methods in Physics Research Section A, **302**, (1991), 9-26
- [10] "Nonlinear Dynamics with Sextupoles in Low-Emittance Light Source Storage Rings"
R. Nagaoka, K. Yoshida, M. Hara
Nonlinear Problems in Future Particle Accelerators, , (1991), 336-345

[1992]

- [11] "Use of Long Straight Sections of SPring-8"
M. Hara, T. Nakamura, T. Takada, H. Tanaka
Review of Scientific Instruments, **63**, (1992), 355-358
- [12] "Extraction of Infrared Radiation from SPring-8"
M. Hara, S. H. Be, I. Takeshita, T. Nanba
Review of Scientific Instruments, **63**, (1992), 1543-1546
- [13] "The JAERI-RIKEN SPring-8 Project"
H. Kamitsubo,
Review of Scientific Instruments, **63**, (1992), 1586-1587
- [14] "Field Measurements of Prototype Magnets for the SPring-8 Storage Ring"
J. Ohnishi, H. Takebe, K. Kumagai, S. Motonaga
IEEE Transactions on Magnetics, **28**, (1992), 546-549
- [15] "SPring-8 Prototype Undulator"
S. Sasaki
Review of Scientific Instruments, **63**, (1992), 409-412

- [16] "A New Undulator for Generating Variably Polarized Radiation"
S. Sasaki, K. Miyata, T. Takada
Japanese Journal of Applied Physics, **31**, (1992), L1794-L1796
- [17] "An Analysis of the Reduction of the Sensitivity to Magnet Misalignment in Low Emittance Synchrotron Radiation Sources by Unifying the Magnets in Each Straight Section"
H. Tanaka, N. Kumagai, K. Tsumaki
Nuclear Instruments and Methods in Physics Research Section A, **313**, (1992), 529-545
[1993]
- [18] "Design of a New Type of Planar Undulator for Generating Variably Polarized Radiation"
S. Sasaki, K. Kakuno, T. Takeda, T. Shimada, K. Yanagida, Y. Miyahara
Nuclear Instruments and Methods in Physics Research Section A, **331**, (1993), 763-767
[1994]
- [19] "Pumping Characteristics of Zr-V-Fe Nonevaporable Getter in Mixture of H₂ and CO Gases"
S. In, S. Be
真空 (Journal of the Vacuum Society of Japan), **37**, (1994), 5-9
- [20] "The Injection Septum Magnets of the SPring-8 Storage Ring"
K. Kumagai, S. Matsui
IEEE Transactions on Magnetics, **30**, (1994), 2134-2137
- [21] "FEL Radiation Power Available in Electron Storage Rings"
Y. Miyahara
Nuclear Instruments and Methods in Physics Research Section A, **349**, (1994), 247-257
- [22] "Slow Rise and Negative Feedback for Stabilizing the Radiation Power of the Storage Ring Free Electron Laser"
Y. Miyahara
Nuclear Instruments and Methods in Physics Research Section A, **351**, (1994), 568-574
- [23] "Analyses for a Charged Microparticle from an Ion Pump to Trap at Low Electric Field with High Enhancement Factor"
H. Saeki, T. Momose, H. Ishimaru
Review of Scientific Instruments, **65**, (1994), 3479-3481
- [24] "First Observation of Undulator Radiation from APPLE-1"
S. Sasaki, T. Shimada, K. Yanagida, H. Kobayashi, Y. Miyahara
Nuclear Instruments and Methods in Physics Research Section A, **347**, (1994), 87-91
- [25] "Analyses for a Planar Variably-Polarizing Undulator"
S. Sasaki
Nuclear Instruments and Methods in Physics Research Section A, **347**, (1994), 83-86
- [26] "Coupling of Betatron Oscillations in a Low Emittance Synchrotron Radiation Source"
H. Tanaka, A. Ando
Particle Accelerators, **44**, (1994), 17-41
- [27] "Class Structure of the Injector Linac Control System of SPring-8"
H. Yoshikawa, Y. Itoh, K. Tamezane, Y. Sakaki, M. Kodera, H. Yokomizo
Nuclear Instruments and Methods in Physics Research Section A, **352**, (1994), 216-217
[1995]
- [28] "Equilibrium Bunch Length with RF Noises in Electron Storage Rings"
S. Date, K. Soutome, A. Ando
Nuclear Instruments and Methods in Physics Research Section A, **355**, (1995), 199-207
- [29] "Pumping Characteristics for H₂, CO and Gas Mixture of H₂ and CO of Distributed Ion Pump for the SPring-8 Storage Ring"
N. Hirano, T. Kobari, M. Matsumoto, M. Sunou, Y. Yanagi, Y. Suzuki, K. Watanabe, H. Sakaue, H. Ohkuma, H. Saeki, S. Be
真空 (Journal of the Vacuum Society of Japan), **38**, (1995), 722-725
- [30] "Jump-over Method of the FEL Interaction among Electron Beam Bunches for Increasing the Radiation Power"
Y. Miyahara
Nuclear Instruments and Methods in Physics Research Section A, **362**, (1995), 581-585

- [31] "Parametric Resonance of Trapped Ions in Electron Storage Rings"
Y. Miyahara
Nuclear Instruments and Methods in Physics Research Section A, **366**, (1995), 221-235
- [32] "Status of the Booster Synchrotron for SPring-8"
H. Suzuki, H. Yonehara, T. Aoki, N. Tani, T. Kaneda, Y. Ueyama, Y. Sasaki, T. Nagafuchi, S. Hayashi, H. Yokomizo
Review of Scientific Instruments, **66**, (1995), 1964-1967
[1996]
- [33] "Production of Intense Low-Energy Positron Beams with Synchrotron Radiation"
A. Ando, V. N. Belyaev, S. Date, H. Kamitsubo, A. V. Kiselev, G. N. Kulipanov, N. Kumagai, N. A. Mezentsev, Y. Miyahara, T. Nakamura, A. N. Skrinsky, K. Soutome, M. Takao, H. Tanaka, I. S. Vorochev
Journal of Synchrotron Radiation, **3**, (1996), 201-206
- [34] "Beam Position Monitor for the SPring-8 Synchrotron"
T. Aoki, H. Yonehara, H. Suzuki, N. Tani, H. Abe, K. Fukami, S. Hayashi, Y. Ueyama, T. Kaneta, K. Okanishi, S. Ohzuchi, T. Miyaoka, K. Sato, E. Toyoda, H. Ito, H. Yokomizo
Review of Scientific Instruments, **67**, (1996), CD-ROM
- [35] "Higher-Order Modes in the Bell-Shaped Single-Cell Cavity of the SPring-8 Storage Ring"
H. Ego, M. Hara, Y. Kawashima, Y. Ohashi, T. Ohshima, H. Suzuki, I. Takeshita, H. Yonehara
Nuclear Instruments and Methods in Physics Research Section A, **383**, (1996), 325-336
- [36] "Results of Magnetic Field Measurements of SPring-8 Magnets"
J. Ohnishi, M. Kawakami, K. Fujii, S. Matsui, N. Kumagai
IEEE Transactions on Magnetics, **32**, (1996), 3069-3072
- [37] "Three-Dimensional Analyses for Motions of Trapped Microparticles in the TRISTAN Accumulation Ring"
H. Saeki, T. Momose, H. Ishimaru
Review of Scientific Instruments, **67**, (1996), 1475-1477
- [38] "Longitudinal Radiation Excitation in an Electron Storage Ring"
Y. Shoji, H. Tanaka, M. Takao, K. Soutome
Physical Review E, **54**, (1996), 4556-4559
- [39] "Minimum Effective Emittance in Synchrotron Radiation Sources Composed of Modified Chasman Green Lattice"
H. Tanaka, A. Ando
Nuclear Instruments and Methods in Physics Research Section A, **369**, (1996), 312-321
- [40] "General Expression for Current Transformer"
K. Yanagida, H. Yoshikawa, A. Mizuno, S. Suzuki, T. Hori, Y. Itoh, H. Yokomizo
Japanese Journal of Applied Physics, **35**, (1996), 5530-5538
- [41] "Magnet System of the SPring-8 Booster Synchrotron"
H. Yonehara, H. Suzuki, Y. Ueyama, T. Aoki, K. Fukami, N. Tani, S. Hayashi, T. Kaneta, H. Abe, K. Okanishi, S. Ohtsuchi, N. Hosoda, Y. Hirata, T. Nagafuchi, T. Chugun, H. Kubo, H. Yokomizo
Review of Scientific Instruments, **67**, (1996), CD-ROM
[1997]
- [42] "Suppression of the Coupled-Bunch Instability in the SPring-8 Storage Ring"
H. Ego, M. Hara, Y. Kawashima, Y. Ohashi, T. Ohshima, H. Suzuki, I. Takeshita, H. Yonehara
Nuclear Instruments and Methods in Physics Research Section A, **400**, (1997), 195-212
- [43] "Design and Performance of the Network System for the Storage Ring Control at SPring-8"
T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, R. Tanaka, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 312-314
- [44] "Design of Automatic Beam Transport System at SPring-8 LINAC"
H. Sakaki, H. Yoshikawa, H. Yokomizo, T. Sogo, K. Kinoshita, N. Adachi
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997),
- [45] "Fundamental Restriction to the Isochronous Ring FEL"
Y. Shoji, A. Ando, H. Tanaka, M. Takao
Nuclear Instruments and Methods in Physics Research Section A, **390**, (1997), 417-418

- [46] "Medium-Speed Feedback Software Based on the Existing Control System"
A. Taketani, T. Fukui, K. Kobayashi, T. Masuda, T. Ohshima, R. Tanaka, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 486-487
- [47] "Data Acquisition System with Database at the SPring-8 Storage Ring"
A. Taketani, T. Fukui, K. Kobayashi, T. Masuda, R. Tanaka, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 437-439
- [48] "A Method to Provide Magnet-Free Long Straight Sections in Low-Emittance Synchrotron Radiation Sources"
H. Tanaka, K. Soutome, M. Hara
Journal of Synchrotron Radiation, **4**, (1997), 47-53
- [49] "The First Operation of Control System at the SPring-8 Storage Ring"
R. Tanaka, T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 1-4
- [50] "The Database System for the SPring-8 Storage Ring Control"
A. Yamashita, T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, R. Tanaka, T. Wada
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 427-429
- [51] "The Alarm System for the SPring-8 Storage Ring"
A. Yamashita, T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, R. Tanaka, T. Wada
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 585-587
- [1998]
- [52] "Proposal of a High-Field Superconducting Wiggler for a Slow Positron Source at SPring-8"
A. Ando, S. Date, M. G. Fedurin, M. Hara, H. Kamitsubo, A. V. Kiselev, G. N. Kulipanov, N. Kumagai, N. A. Mezentsev, Y. Miyahara, T. Nakamura, H. Ohkuma, V. A. Shkaruba, A. N. Skrinsky, K. Soutome, M. Takao, H. Tanaka
Journal of Synchrotron Radiation, **5**, (1998), 360-362
- [53] "Isochronous Storage Ring of the New SUBARU Project"
A. Ando, S. Amano, S. Hashimoto, H. Kinoshita, S. Miyamoto, T. Mochizuki, M. Niibe, Y. Shoji, M. Terasawa, T. Watanabe, N. Kumagai
Journal of Synchrotron Radiation, **5**, (1998), 342-344
- [54] "Design of Local Bump Feedback System for a Variably Polarizing Undulator"
T. Bizen, T. Shimada, M. Takao, Y. Hiramatsu, Y. Miyahara
Journal of Synchrotron Radiation, **5**, (1998), 465-467
- [55] "RF System of the SPring-8 Storage Ring"
H. Ego, M. Hara, Y. Kawashima, Y. Ohashi, T. Ohshima, T. Takashima
Journal of Synchrotron Radiation, **5**, (1998), 379-381
- [56] "A Ripple Effect of a Klystron Power Supply on Synchrotron Oscillation"
M. Hara, T. Nakamura, T. Ohshima
Particle Accelerators, **59**, (1998), 143-156
- [57] "New Method of Helmholtz Coil Alignment"
A. Mizuno, N. Nakamura, H. Yoshikawa, S. Suzuki, K. Yanagida, T. Hori, T. Taniuchi, H. Sakaki, H. Yokomizo
Journal of Synchrotron Radiation, **5**, (1998), 389-391
- [58] "Beam Commissioning of the SPring-8 Synchrotron"
H. Suzuki, T. Aoki, N. Tani, K. Fukami, N. Hosoda, T. Kobayashi, S. Hayashi, S. Ohzuchi, M. Tanimoto, K. Okanishi, T. Sasaki, H. Yonehara
Journal of Synchrotron Radiation, **5**, (1998), 357-359
- [1999]
- [59] "A Long-Term Observation of the DC Component of the Horizontal COD in the Storage Ring of SPring-8"
S. Date, N. Kumagai
Nuclear Instruments and Methods in Physics Research Section A, **421**, (1999), 417-422

- [60] "High Precision Temperature Measurement System Using SmartLink at SPring-8"
T. Fukui, M. Kodera, K. Kumagai, T. Shimada, T. Masuda, R. Tanaka, A. Yamashita
Proceedings of the 7th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 99), , (1999), 90-92
- [61] "Integration of the Booster Synchrotron Control System to the SPring-8 Control System"
N. Hosoda, T. Aoki, K. Fukami, T. Fukui, M. Kodera, T. Masuda, T. Ohshima, H. Suzuki, M. Takao, R. Tanaka, N. Tani, A. Yamashita, H. Yonehara
Proceedings of the 7th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 99), , (1999), 93-95
- [62] "508.58 MHz Synchronous Universal Counter for Beam Control System of SPring-8"
H. Suzuki, H. Ego, M. Hara, T. Hori, Y. Kawashima, Y. Ohashi, T. Ohshima, N. Tani, H. Yonehara
Nuclear Instruments and Methods in Physics Research Section A, **431**, (1999), 294-305
- [63] "A Perturbative Formulation of Nonlinear Dispersion for Particle Motion in Storage Rings"
H. Tanaka, M. Takao, K. Soutome, H. Hama, M. Hosaka
Nuclear Instruments and Methods in Physics Research Section A, **431**, (1999), 396-408
- [64] "The Vacuum Conditions at the Beam Commissioning of the SPring-8 Storage Ring"
K. Watanabe, H. Saeki, M. Masaki, Y. Suzuki, Y. Taniuchi, T. Noda, M. Maeno, S. Be, H. Ohkuma
真空 (Journal of the Vacuum Society of Japan), **42**, (1999), 535-539
- [65] "Data Archiving and Retrieval for SPring-8 Accelerator Complex"
A. Yamashita, T. Fukui, M. Kodera, T. Masuda, R. Tanaka
Proceedings of the 7th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 99), , (1999), 434-436
- [2000]
- [66] "Present Status of the SPring-8 Storage Ring"
M. Hara
Nuclear Instruments and Methods in Physics Research Section A, **448**, (2000), 12-19
- [67] "Removal Conditions for Trapped Microparticles in a Stored Electron Beam Using Electrostatic Electrodes"
H. Saeki, T. Momose
Journal of Vacuum Science & Technology A, **18**, (2000), 492-496
- [68] "Vacuum Gauge Self-Compensating External Environment in the SPring-8 Storage Ring"
H. Saeki, T. Momose
Journal of Vacuum Science & Technology A, **18**, (2000), 244-247
- [69] "Formation of a Single-Bunch Beam in the Booster Synchrotron at SPring-8"
H. Suzuki, T. Aoki, H. Ego, M. Hara, N. Hosoda, Y. Kawashima, Y. Ohashi, T. Ohshima, N. Tani, M. Yabashi, H. Yonehara
Nuclear Instruments and Methods in Physics Research Section A, **444**, (2000), 515-533
- [2001]
- [70] "Magnetic Measurements of the 10T Superconducting Wiggler for the SPring-8 Storage Ring"
A. Batrakov, V. Borovikov, E. Bekhtenev, M. Fedurin, M. Hara, G. Karpov, M. Kuzin, N. Mezentsev, Y. Miyahara, T. Shimada, V. Shkaruba, K. Soutome, K. Tzumaki
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 190-193
- [71] "Toward a Reliable Gigabit Network—An Upgrade of the SPring-8 Network"
T. Fukui, M. Ishii, R. Tanaka, T. Masuda, T. Ohata
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), physics/0111059
- [72] "Timing System of SPring-8 Booster Synchrotron"
N. Hosoda, T. Ohshima, T. Aoki, T. Asaka, H. Ego, K. Fukami, Y. Kawashima, Y. Ohashi, T. Takashima, H. Yonehara
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), 148-150:physics/0111102
- [73] "New Synchronization Method of Arbitrary Different Radio Frequencies in Accelerators"
Y. Kawashima, T. Asaka, T. Takashima
Physical Review Special Topics - Accelerators and Beams, **4**, (2001), 082001

- [74] "Upgrade of Linac Control System with New VME Controllers at SPring-8"
T. Masuda, T. Ohata, T. Asaka, H. Dewa, T. Fukui, H. Hanaki, N. Hosoda, T. Kobayashi, M. Koderu, A. Mizuno, S. Nakajima, S. Suzuki, M. Takao, R. Tanaka, T. Taniuchi, Y. Taniuchi, H. Tomizawa, A. Yamashita, K. Yanagida
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), physics/0111131
- [75] "Data Acquisition System with Shared Memory Network"
T. Masuda, T. Fukui, R. Tanaka, A. Yamashita
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), physics/0111130
- [76] "Performance of the Reference and Timing Systems at SPring-8"
Y. Ohashi, T. Asaka, H. Ego, M. Hara, Y. Kawashima, T. Ohshima, T. Takashima, H. Yonehara
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001),
- [77] "Mineral Insulated Gauge Cable Irradiated in the SPring-8 Storage Ring"
H. Saeki, T. Aoki, T. Momose
Journal of Vacuum Science & Technology A, **19**, (2001), 1022-1023
- [78] "Vacuum Gauge System with a Self-Compensator for Photoelectrons Produced in the SPring-8 Storage Ring"
H. Saeki, T. Aoki, H. Yonehara, T. Momose
Journal of Vacuum Science & Technology A, **19**, (2001), 349-352
- [79] "Estimation and Measurement of Effective Beam Position Monitor Offsets by Using a Stored Beam"
K. Soutome, H. Tanaka, M. Takao, H. Ohkuma, N. Kumagai
Nuclear Instruments and Methods in Physics Research Section A, **459**, (2001), 66-77
[2002]
- [80] "Stabilization of the RF System at the SPring-8 Linac"
T. Asaka, H. Hanaki, T. Hori, T. Kobayashi, A. Mizuno, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yokomizo, H. Yoshikawa
Nuclear Instruments and Methods in Physics Research Section A, **488**, (2002), 26-41
- [81] "Beam Commissioning and Achieved Performance of SPring-8 Storage Ring Phase-2 Lattice with Four Magnet-Free Long Straight Sections"
H. Tanaka, K. Soutome, M. Takao, M. Masaki, H. Ohkuma, N. Kumagai, J. Schimizu
Nuclear Instruments and Methods in Physics Research Section A, **486**, (2002), 521-538
[2003]
- [82] "Two-Dimensional Visible Synchrotron Light Interferometry for Transverse Beam-Profile Measurement at the SPring-8 Storage Ring"
M. Masaki, S. Takano
Journal of Synchrotron Radiation, **10**, (2003), 295-302
- [83] "Orbit Fluctuation of Electron Beam due to Vibration of Vacuum Chamber in Quadrupole Magnets"
S. Matsui, M. Oishi, H. Tanaka, T. Yorita, K. Tsumaki, N. Kumagai, T. Nakazato
Japanese Journal of Applied Physics, **42 Part2**, (2003), L338-L341
- [84] "On the Effect of the High Pressure Ultrapure Water Cleaning of an Oxygen Free Copper Surface"
H. Tomizawa
Proceedings of the 28th Linear Accelerator Meeting in Japan, , (2003), 132-134
[2004]
- [85] "Method for Stabilizing Beam Intensity and Energy in the SPring-8 Linac"
T. Asaka, Y. Kawashima, T. Takashima, T. Kobayashi, T. Ohshima, H. Hanaki
Nuclear Instruments and Methods in Physics Research Section A, **516**, (2004), 249-269
- [86] "HOM-Damped Re-Entrant Quasi-Half-Cell Cavity for the SPring-8 Storage Ring"
H. Ego,
Nuclear Instruments and Methods in Physics Research Section A, **516**, (2004), 270-280
- [87] "Three-Dimensional Simulation Code for SPring-8 RF Gun System"
A. Mizuno, T. Asaka, H. Dewa, T. Kobayashi, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida, H. Hanaki, M. Uesaka
Nuclear Instruments and Methods in Physics Research Section A, **528**, (2004), 387-391

- [88] "Pressure-Measurement Errors in a Cold-Cathode-Ionization Gauge Caused by an External-Electron Source"
H. Saeki, T. Magome, Y. Shoji, T. Momose
Journal of Vacuum Science & Technology A, **22**, (2004), 2212-2215
- [89] "Hot-Cathode-Ionization-Gauge System with a Self-Compensating Circuit for Errors Caused by an External-Electron Source"
H. Saeki, M. Tamotsu, T. Aoki, N. Gotoh, T. Momose
Review of Scientific Instruments, **75**, (2004), 5152-5159
- [90] "Perturbative Formulation for Nonlinear Chromaticity of Circular Accelerator"
M. Takao, H. Tanaka, K. Soutome, J. Schimizu
Physical Review E, **70**, (2004), 016501
- [91] "Spectrographic Approach for the Diagnosis of rf Breakdown in Accelerator rf Structures"
H. Tomizawa, T. Taniuchi, H. Hanaki, Y. Igarashi, S. Yamaguchi, A. Enomoto
Applied Surface Science, **235**, (2004), 214-220
- [92] "DC Septum Magnets and Their Leakage Field Effects on an Electron Beam in the SPring-8 Storage Ring"
K. Tsumaki, T. Shimada, K. Kajimoto, H. Yonehara, N. Kumagai
IEEE Transactions on Applied Superconductivity, **14**, (2004), 433-436
[2005]
- [93] "Hamiltonian Formulation of Higher Order Dispersion and Chromaticity of Circular Accelerators"
M. Takao,
加速器 (Journal of the Particle Accelerator Society of Japan), **2**, (2005), 25-34
- [94] "Suppression of Injection Bump Leakage Caused by Sextupole Magnets within a Bump Orbit"
H. Tanaka, T. Ohshima, K. Soutome, M. Takao
Nuclear Instruments and Methods in Physics Research Section A, **539**, (2005), 547-557

Proceedings

[1988]

- [1] "Conceptual Design of the Vacuum System for the 6 GeV Storage Ring"
S. H. Be, Y. Morimoto, H. Sakamoto, S. Yokouchi
American Vacuum Society Series, **5**, (1988), 73
- [2] "The Study of the Positron Injection System for the RIKEN SR"
H. Miyade, K. Yamasu, M. Hara
Proceedings of the 13th Linear Accelerator Meeting in Japan, , (1988), 239-241
- [3] "Conceptual Design and Thermal Analysis of the Crotch at the 6 GeV Storage Ring"
Y. Morimoto, H. Sakamoto, S. Yokouchi, S. H. Be
American Vacuum Society Series, **5**, (1988), 327
- [4] "The R&D of the 1.5GeV Linac for the RIKEN SR"
K. Yamasu, H. Miyade, M. Hara
Proceedings of the 13th Linear Accelerator Meeting in Japan, , (1988), 236-238

[1989]

- [5] "Vacuum System for the 8GeV Storage Ring"
S. H. Be, S. Yokouchi, Y. Morimoto, H. Sakamoto, Y. P. Lee, Y. Oikawa
Proceedings of the 1989 IEEE Particle Accelerator Conference: Accelerator Science and Technology, , (1989), 577-579
- [6] "SPring-8 Vacuum System"
S. H. Be, S. Yokouchi, Y. Morimoto, T. Nishidono, Y. P. Lee, Y. Oikawa
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 133-135
- [7] "Study of Chromaticity Correction in Low Emittance Storage Ring"
M. Hara, R. Nagaoka, H. Tanaka, K. Tsumaki, K. Yoshida
Proceedings of the 1st European Particle Accelerator Conference, , (1989), 702-704
- [8] "Storage Ring Design for the SPring the 8 GeV Synchrotron Radiation Facility in Japan"
M. Hara, S. H. Be, T. Kusaka, Y. P. Lee, H. Miyabe, Y. Morimoto, R. Nagaoka, T. Nishidono, J. Ohnishi, Y. Oikawa, S. Sasaki, H. Takebe, I. Takeshita, H. Tanaka, K. Tsumaki, T. Wada, S. Yokouchi, K. Yoshida, T. Yoshiyuki, H. Kamitsubo
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 352-354

- [9] "STA SR Project"
H. Kamitsubo, S. H. Be, M. Hara, R. Nagaoka, S. Sasaki, T. Wada
Proceedings of the 1st European Particle Accelerator Conference, , (1989), 374-376
- [10] "Study of the Injection Devices for the Storage Ring of SPring-8"
H. Miyade, H. Tanaka, J. Ohnishi, S. Motonaga
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 169-171
- [11] "Commissioning Study of the SPring-8 Storage Ring"
R. Nagaoka, K. Tsumaki, H. Tanaka, K. Yoshida, M. Hara
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 296-298
- [12] "Progress in Magnet System for the SPring-8 Storage Ring"
J. Ohnishi, Y. Oikawa, S. Motonaga
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 163-165
- [13] "Design of Power Supplies for SPring-8 Storage Ring Magnets"
H. Takabe, S. Motonaga, H. Kamitsubo
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 166-168
- [14] "Study of Linear Coupling Compensation for the Storage Ring of SPring-8"
H. Tanaka, R. Nagaoka, K. Yoshida, K. Tsumaki, M. Hara
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 299-301
- [15] "Lattice Comparison for the 8 GeV Synchrotron Radiation Source"
K. Tsumaki, R. Nagaoka, K. Yoshida, H. Tanaka, M. Hara
Proceedings of the 1989 IEEE Particle Accelerator Conference: Accelerator Science and Technology, , (1989), 1358-1360
- [16] "Design of the High Emittance Optics for the Storage Ring of SPring-8"
K. Tsumaki, R. Nagaoka, H. Tanaka, K. Yoshida, M. Hara
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 290-292
- [17] "Manufacture and Surface Analysis of the Al-alloy Vacuum Chamber for SPring-8"
S. Yokouchi, Y. P. Lee, H. Sakamoto, T. Nishidono, Y. Morimoto, S. H. Be
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 136-138
- [18] "Tolerances of Magnet Imperfections for a Storage Ring at SPring-8"
K. Yoshida, H. Tanaka, R. Nagaoka, K. Tsumaki, M. Hara
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 293-295
- [19] "Estimation of the Coupling Impedance for the SPring-8"
T. Yoshiyuki, T. Kusaka, M. Hara, S. H. Be
Proceedings of the 7th Symposium on Accelerator Science and Technology, , (1989), 302-304
- [1990]
- [20] "Storage Ring Design for STA SR Project"
M. Hara, S. H. Be, R. Nagaoka, S. Sasaki, T. Wada, H. Kamitsubo
Proceedings of the 1989 IEEE Particle Accelerator Conference: Accelerator Science and Technology, , (1990), 476-478
- [21] "Storage Ring Design of the 8 GeV Synchrotron Radiation Facility (SPring-8)"
M. Hara, S. H. Be, S. Motonaga, R. Nagaoka, Y. Oikawa, S. Sasaki, H. Takebe, I. Takeshita, H. Tanaka, T. Wada, H. Kamitsubo
Proceedings of the 2nd International Symposium on Advanced Nuclear Energy Research, , (1990), 261-266
- [22] "SPring-8 RF System"
M. Hara, T. Kusaka, T. Yoshiyuki, T. Takeshita
Proceedings of the Korea-Japan Synchrotron Radiation Symposium, , (1990), 283-304
- [23] "Design of Low-emittance Storage Ring"
H. Kamitsubo, M. Hara
Proceedings of the 4th Japan-China Joint Symposium on Accelerator for Nuclear Science and Their Applications, , (1990),
- [24] "RF System for the STA SR Ring"
T. Kusaka, T. Yoshiyuki, A. Miura, M. Hara
Proceedings of the 1989 IEEE Particle Accelerator Conference: Accelerator Science and Technology, , (1990), 180-182

- [25] "Design of a Small Emittance Electron Storage Ring for High Lightness VUV Radiation"
Y. Miyahara, A. Hayashi
Proceedings of the 2nd European Particle Accelerator Conference, **1**, (1990), 481-483
- [26] "Design of Magnets for the 8 GeV Storage Ring"
S. Motonaga, J. Ohnishi, H. Takebe
Proceedings of the 2nd European Particle Accelerator Conference, **2**, (1990), 1125-1127
- [27] "Effect of Insertion Devices on Beam Dynamics of the 8 GeV Light Source Storage Ring"
R. Nagaoka, K. Yoshida, H. Tanaka, K. Tsumaki, M. Hara
Proceedings of the 1989 IEEE Particle Accelerator Conference: Accelerator Science and Technology, , (1990), 1361-1363
- [28] "Design of a Bunching System for a High Current Electron Linac"
N. Nakamura, H. Yoshikawa, H. Yokomizo, H. Suzuki, K. Mashiko, M. Iizuka, T. Ishida, K. Yamada
Proceeding of 1990 International Linac Conference, , (1990),
- [29] "Beam Dynamic Behavior of the Injector Synchrotron in the 8GeV Synchrotron Radiation Facility (SPring-8)"
K. Nakayama, M. Kabasawa, T. Harami, H. Yokomizo, T. Shimada, H. Ootsuka, Y. Suzuki
Proceedings of the 2nd European Particle Accelerator Conference, **2**, (1990), 1530-1532
- [30] "Design of the Sextupole Magnet for an 8 GeV Storage Ring"
J. Ohnishi, S. Motonaga
11th International Conference on Magnet Technology (MT-11), , (1990), 194-199
- [31] "SPring-8 Storage Ring Lattice"
H. Tanaka, R. Nagaoka, K. Tsumaki, K. Yoshida, M. Hara
Proceeding of 1st Korea-Japan Synchrotron Radiation Symposium, , (1990), 137
- [32] "Vacuum Performance Characteristics of 4 m-Long Vacuum Chamber with NEG Strip for SPring-8"
S. Yokouchi, T. Nishidono, T. Morimoto, H. Daibo, Y. P. Lee, S. R. In, S. H. Be
Proceedings of the 2nd European Particle Accelerator Conference, **2**, (1990), 1332-1334
- [33] "The Injector Linac for SPring-8"
H. Yoshikawa, H. Yokomizo, H. Suzuki, K. Mashiko, N. Nakamura, M. Iizuka, T. Ishida, A. Mizuno
Proceeding of 1990 International Linac Conference, , (1990),
[1991]
- [34] "Vacuum System for SPring-8 Storage Ring and Test Experience"
S. H. Be, S. Yokouchi, T. Nishidono, Y. Morimoto, K. Watanabe, S. Takahashi, S. R. In, H. Daibo, Y. Oikawa
American Vacuum Society Series 12, Vacuum Design of Synchrotron Light Source, , (1991), 102
- [35] "Status of SPring-8 RF System"
H. Ego, M. Hara, K. Inoue, Y. Kawashima, Y. Ohashi, H. Suzuki, H. Yonehara
Proceedings of the 2nd Japan-Korea Joint SR Symposium, , (1991), 193-210
- [36] "Storage Ring Design of SPring-8 8 GeV Synchrotron Radiation Facility in Japan"
M. Hara, S. H. Be, H. Kamitsubo, N. Kumagai, S. Motonaga, R. Nagaoka, Y. Oikawa, S. Sasaki, H. Takebe, I. Takeshita, H. Tanaka, T. Wada
Proceedings of the 2nd European Particle Accelerator Conference, **1**, (1991), 466-468
- [37] "Present Status of the SPring-8 (Storage Ring)"
M. Hara
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 40-42
- [38] "Status of the SPring-8 Project (Storage Ring)"
M. Hara, H. Kamitsubo, N. Kumagai
Conference Record of the 1991 IEEE Particle Accelerator Conference, **4**, (1991), 2646-2648
- [39] "Performance Characteristics of Lumped NEG Pump"
S. R. In, S. Yokouchi, S. H. Be, T. Maruyama
American Vacuum Society Series 12, Vacuum Design of Synchrotron Light Source, , (1991), 374
- [40] "Current Status of RF System for the SPring-8"
K. Inoue, T. Nakamura, Y. Kawashima, M. Hara
Conference Record of the 1991 IEEE Particle Accelerator Conference, **1**, (1991), 667-669
- [41] "Present Status of The Injector System for The Spring-8 Project"
Y. Miyahara
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 37-39

- [42] "Design of the Crotch for SPring-8"
Y. Morimoto, T. Shirakawa, K. Konishi, S. Takahashi, S. Yokouchi, S. H. Be
American Vacuum Society Series 12, Vacuum Design of Synchrotron Light Source, , (1991), 110
- [43] "Study on a Free Electron Laser at a SPring-8 Long Straight Section"
T. Nakamura, M. Hara, H. Tanaka
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 278-280
- [44] "A Wedged Pole Hybrid Type Undulator as a Synchrotron Radiation Source"
S. Sasaki, T. Takada, N. Matsuki, H. Sakaki, H. Ohno
Conference Record of the 1991 IEEE Particle Accelerator Conference, **5**, (1991), 2715-2717
- [45] "High Power Test of RF Cavity for SPring-8 Booster Synchrotron"
H. Suzuki, T. Kojoyo, H. Yonehara, T. Harami, Y. Miyahara, Y. Kawashima, Y. Ohashi, K. Inoue, M. Hara
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 113-115
- [46] "Development of 5-Cell RF Cavity for SPring-8 Booster Synchrotron"
H. Suzuki, T. Harami, Y. Miyahara, T. Rizawa, S. Satoh, Y. Tanabe, K. Yoshiyuki, T. Nagafuchi, S. Kawazu, M. Nakano
Conference Record of the 1991 IEEE Particle Accelerator Conference, **2**, (1991), 707-709
- [47] "Design of Magnet Power Supply Control System for the SPring-8 Storage Ring"
H. Takebe, T. Wada, T. Masuda, N. Kumagai, S. Harada
Proceeding of the International Conference on Current Trends in Data Acquisition & Control of Accelerators, , (1991), 144
- [48] "Sensitivity Reduction against Misalignment of Quadrupole and Sextupole Magnets"
K. Tsumaki, H. Tanaka, N. Kumagai
Conference Record of the 1991 IEEE Particle Accelerator Conference, , (1991), 1698
- [49] "Design of SPring-8 Control System"
T. Wada, T. Kumahara, H. Yonehara, H. Yoshikawa, T. Masuda, Z. Wang
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 350-352
- [50] "Design of SPring-8 Control System"
T. Wada, T. Kumahara, H. Yonehara, H. Yoshikawa, T. Masuda, W. Zhen
Proceeding of the International Conference on Accelerator and Large Experimental Physics Control Systems, , (1991), 151
- [51] "JSR Undulator Experiment"
K. Yanagida, S. Sasaki, T. Nagai, N. Matsuki, T. Takada, Y. Yokomizo
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 338-340
- [52] "Vacuum Performance of Vacuum Chamber with a NEG Strip of 8 and 16m"
S. Yokouchi, S. R. In, T. Nishidono, H. Daibo, S. H. Be
American Vacuum Society Series 12, Vacuum Design of Synchrotron Light Source, , (1991), 381
- [53] "Bunching System of The Linac for SPring-8"
H. Yoshikawa, N. Nakamura, A. Mizuno, S. Suziki, K. Mashiko, K. Yanagida, H. Yokomizo
Proceedings of the 8th Symposium on Accelerator Science and Technology, , (1991), 304-305
- [54] "Design of a Control System of The Linac for SPring-8"
H. Yoshikawa, Y. Itoh, T. Kumahara
Proceeding of the International Conference on Accelerator and Large Experimental Physics Control Systems, , (1991), 154
- [1992]
- [55] "SPring-8 Storage Ring Vacuum System"
S. H. Be
Proceedings of the 3rd Joint Symposium on Synchrotron Radiation Sources, , (1992), 233-247
- [56] "High Power Test of Single Cell Cavities for SPring-8"
H. Ego, M. Hara, K. Inoue, Y. Kawashima, Y. Ohashi, H. Suzuki, I. Takeshita, H. Yonehara
Proceedings of the 17th Linear Accelerator Conference in Japan, , (1992), 180-182
- [57] "Status of the SPring-8 RF System"
H. Ego, M. Hara, K. Inoue, Y. Kawashima, Y. Ohashi, H. Suzuki, I. Takeshita, H. Yonehara
Proceedings of the 3rd Korea-Japan Joint Symposium on Synchrotron Radiation Sources, , (1992), 295-300

- [58] "SPring-8 の概要"
M. Hara
大型放射光源を利用した XAFS に関する研究会 (第 2 回) 報告書, (1992), 1-7
- [59] "Characteristics of Photon at SPring-8"
M. Hara
Proceeding of the SPring-8 Workshop on Atomic Physics at High Brilliance Synchrotron Radiation Facilities, (1992), 203
- [60] "Present Status of Magnet System of SPring-8"
N. Kumagai
Proceedings of the 3rd Joint Symposium on Synchrotron Radiation Sources, (1992), 255-269
- [61] "Simulation of Positron Focusing System for SPring-8 Linac"
A. Mizuno, S. Suzuki, H. Yoshikawa, T. Hori, K. Yanagida, H. Yokomizo
15th International Conference on High Energy Accelerators, (1992), 132-134
- [62] "Simulation of Positron Focusing System for SPring-8"
A. Mizuno, H. Yoshikawa, S. Suzuki, K. Yanagida, T. Hori, K. Tamazane, H. Yokomizo
Proceedings of the 17th Linear Accelerator Meeting in Japan, (1992), 73
- [63] "Construction of New Type Planar Undulator for Generating Variably Polarized Radiation"
S. Sasaki, K. Kakuno, T. Takada, T. Shimada, K. Yanagida, Y. Miyahara
Proceeding of the 14th International Free Electron Laser Conference, (1992), 763
- [64] "Modulation of Betatron Oscillations Governed by a Single Linear Coupling Resonance"
H. Tanaka, A. O
Proceeding of the 3rd Korea-Japan Joint Symposium Synchrotron Radiation Sources, (1992), 215
- [65] "Development of Beam Diagnostics for SPring-8 Linac"
K. Yanagita, S. Suzuki, Y. Itoh, H. Yoshikawa, A. Mizuno, T. Hori, H. Yokomizo
Proceeding of the 1992 International Linac Conference, (1992), 66
- [66] "Injector System for SPring-8"
H. Yokomizo, T. Aoki, K. Fujita, T. Harami, S. Hayashi, K. Hirai, T. Hori, M. Ishihara, T. Kumahara, K. Mashiko, Y. Miyahara, A. Mizuno, T. Nagafuchi, T. Nagai, H. Ootsuka, Y. Sasaki, T. Shimada, H. Suzuki, S. Suzuki, K. Tamazane
15th International Conference on High Energy Accelerators, (1992), 558-560
- [67] "Status of SPring-8 Linac"
H. Yokomizo, H. Yoshikawa, S. Suzuki, A. Mizuno, K. Yanagida, T. Hori, K. Tamazane, K. Mashiko
Proceedings of the 17th Linear Accelerator Meeting in Japan, (1992),
- [68] "Design of High Current Injector for SPring-8"
H. Yoshikawa, A. Mizuno, S. Suzuki, T. Hori, K. Yanagita, K. Mashiko, H. Yokomizo
Proceeding of 1992 International Linac Conference, (1992),
- [69] "Bunching Section and Focusing Field"
H. Yoshikawa, N. Nakamura, A. Mizuno, S. Suzuki, K. Yanagida, T. Hori, K. Mashiko, H. Yokomizo
Proceedings of the 17th Linear Accelerator Meeting in Japan, (1992), 144
- [1993]
- [70] "Status of the SPring-8 RF System"
H. Ego, M. Hara, K. Inoue, Y. Kawashima, Y. Ohashi, H. Suzuki, I. Takeshita, H. Yonehara
International Journal of Modern Physics A, Particles and Fields, Gravitation, Cosmology, **Proc. Suppl. 2A**, (1993), 709-711
- [71] "High Power Test of RF System for SPring-8"
H. Ego, M. Hara, K. Inoue, Y. Kawashima, Y. Ohashi, H. Suzuki, I. Takeshita, H. Yonehara
International Journal of Modern Physics A, Particles and Fields, Gravitation, Cosmology, **Proc. Suppl. 2A**, (1993), 712-714
- [72] "Higher Order Modes of the Single Cell Cavity for the SPring-8"
H. Ego, M. Hara, Y. Kawashima, Y. Ohashi, T. Ohshima, H. Suzuki, I. Takeshita, H. Yonehara
Proceedings of the 9th Symposium on Accelerator Science and Technology, (1993), 249-251
- [73] "SPring-8 の RF system について"
M. Hara
クライストロン電源についてのワークショップ, **93-1**, (1993), 1-10

- [74] "SPring-8 のクライストロン高圧電源"
N. Kumagai
クライストロン電源についてのワークショップ, , (1993), 11-24
- [75] "Present Status of SPring-8 Project"
N. Kumagai
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 17-19
- [76] "Present Status of SPring-8 Project"
N. Kumagai
Proceeding of the 5th Japan-China Joint Symposium on Accelerators for Nuclear Science and Their Applications, , (1993), 96
- [77] "Development of Device Drivers Embedded in Real Time OS for SPring-8 SR Control System"
T. Masuda, S. Fujiwara, T. Nakamura, H. Takebe, T. Wada
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 79-81
- [78] "Positron Accumulation Ring for the SPring-8 Project"
Y. Miyahara
Proceedings of the 1993 Particle Accelerator Conference, **1**, (1993), 653-655
- [79] "Test and Simulation of the Positron Converter for the Spring-8 Linac"
A. Mizuno, S. Suzuki, H. Yoshikawa, T. Hori, K. Tamazane, H. Yokomizo
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 122-124
- [80] "Estimation of Broad Band Impedance of the SPring-8 Storage Ring"
T. Nakamura
Proceedings of the 1993 Particle Accelerator Conference, **5**, (1993), 3464-3466
- [81] "Broad Band Impedance of the SPring-8 Storage Ring"
T. Nakamura
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 324-326
- [82] "Development of the Kicker Magnet for SPring-8"
Y. Sasaki, H. Yonehara, H. Suzuki, T. Aoki
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 255-257
- [83] "Analyses of a Planar Variably Polarizing Undulator"
S. Sasaki
Proceeding of the 8th National Conference on Synchrotron Radiation Instrumentation, , (1993),
- [84] "First Observation of Undulator Radiation from Advanced Planar Polarized Light Emitter 1: APPLE-1"
S. Sasaki, T. Shimada, K. Yanagida, H. Kobayashi, Y. Miyahara
Proceeding of the 8th National Conference on Synchrotron Radiation Instrumentation, , (1993),
- [85] "Undulators for Variably Polarized Light at JAERI and SSRL"
S. Sasaki
Proceeding of Workshop on Insertion Devices for Circularly Polarized Light, , (1993),
- [86] "Characteristics of RF Reference and Timing Signal Distribution for SPring-8"
H. Suzuki, Y. Kawashima, Y. Ohashi, H. Yonehara, H. Ego, N. Tani, T. Nagafuchi, T. Hori, T. Oshima, M. Hara
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 252-254
- [87] "Initial Data of Linac Preinjector for SPring-8"
S. Suzuki, H. Yoshikawa, T. Hori, K. Yanagida, A. Mizuno, K. Tamazane, K. Mashiko, H. Yokomizo
Proceedings of the 1993 Particle Accelerator Conference, **1**, (1993), 602-604
- [88] "Vacuum Chamber and Crotch Absorber for the SPring-8 Storage Ring Vacuum System"
K. Watanabe, S. H. Be, Y. Oikawa, H. A. Sakaue, C. Y. Xu, S. Yokouchi, Y. Wang, S. Takahashi, M. Tsuchida, Y. Yanagi
Proceedings of the 1993 Particle Accelerator Conference, **5**, (1993), 3845-3847
- [89] "Performance of Beam Diagnostics for SPring-8 Linac"
K. Yanagida, S. Suzuki, H. Yoshikawa, T. Hori, A. Mizuno, K. Tamazane, M. Kodera, H. Yokomizo
Proceedings of the 9th Symposium on Accelerator Science and Technology, , (1993), 364-366
- [90] "Synchrotron of SPring-8"
H. Yonehara, H. Suzuki, T. Aoki, S. Yoneyama, Y. Ueyama, Y. Sasaki, T. Nagafuchi, S. Hayashi, H. Yokomizo
Proceedings of the 1993 Particle Accelerator Conference, **3**, (1993), 2039-2041

[1994]

- [91] "Effects of Thermal Noises on Electron Trajectories in the SPring-8 Storage Ring"
S. Date, K. Soutome, A. O
Proceedings of the 4th European Particle Accelerator Conference, **2**, (1994), 1385-1387
- [92] "Status on the SPring-8 Storage Ring RF System"
H. Ego, M. Hara, Y. Kawashima, Y. Ohashi, T. Ohshima, H. Suzuki, I. Takeshita, N. Tani, H. Yonehara
Proceedings of the European Particle Accelerator Conference, , (1994), 1865-1867
- [93] "Possible Retuning of the ESRF Storage Ring Lattice for Reducing the Beam Emittance"
L. Farvacque, J. L. Laclare, A. Ropert, . Nghiem, J. Payet, A. Tkatchenko, H. Tanaka
Proceedings of the 4th European Particle Accelerator Conference, **1**, (1994), 612-614
- [94] "Study of Pre-Injector Linac for SPring-8"
T. Hori, H. Yoshikawa, S. Suzuki, K. Yanagida, A. Mizuno, Y. Itoh, M. Kodera, H. Sakaki, A. Kuba, K. Tamazane, K. Takami, H. Yokomizo
Proceedings of the 19th Linear Accelerator Meeting in Japan, , (1994), 157-159
- [95] "Design and Construction of the Photon Shutter for SPring-8 Storage Ring Beamlines"
M. Jinno, T. Fujitsu, M. Kobayashi, T. Nishiyama, Y. Furuichi, K. Tsumaki, H. A. Sakaue, H. Ohkuma, K. Watanabe, H. Saeki, S. H. Be
Proceeding of the 9th Meeting on Ultra High Vacuum Techniques for Accelerators and Storage Rings, , (1994), 253
- [96] "Computer Simulation of Stabilizing the Radiation Power of Storage Ring Free Electron Laser"
Y. Miyahara
Proceedings of the 4th European Particle Accelerator Conference, **1**, (1994), 879-881
- [97] "Low Level Process with Object Oriented Modeling for SPring-8 Linac"
H. Sakaki, H. Yoshikawa, Y. Itoh, A. Kuba, K. Tamazane, T. Hori, M. Kodera, S. Suzuki, A. Mizuno, K. Yanagida, H. Yokomizo
Proceedings of the 19th Linear Accelerator Meeting in Japan, , (1994), 160-162
- [98] "A Local Compensation Scheme for Insertion Devices in the 8 GeV Electron Storage Ring SPring-8"
K. Soutome, A. O, S. Date, Y. Miyahara, T. Nakamura, H. Tanaka
Proceedings of the 4th European Particle Accelerator Conference, **1**, (1994), 660-662
- [99] "Construction of SPring-8 Linac"
S. Suzuki, H. Yoshikawa, T. Hori, K. Yanagida, Y. Itoh, M. Kodera, A. Mizuno, K. Tamazane, H. Sakaki, A. Kuba, H. Yokomizo
Proceedings of the 4th European Particle Accelerator Conference, **1**, (1994), 733-735
- [100] "Magnet Power Supply Control System for the SPring-8 Storage Ring - Fiber distributed Remote I/O System for VME"
H. Takebe, N. Kumagai, K. Kumagai, T. Wada, W. Xu, R. Tanaka, T. Fukui, A. Taketani, T. Masuda, S. Fujiwara, J. Ohnishi
Proceedings of the 4th European Particle Accelerator Conference, **3**, (1994), 1827-1829
- [101] "Performance Estimation of a Pistributed NEG Pump and Ion Pump for SPring-8 Bending Magnet Section Chambers"
Y. Yanagi, M. Yamamoto, K. Tsumaki, Y. Suzuki, K. Suzuki, H. Hashimoto, S. Kakiuchi, S. Inoue, G. Toda, M. Suzuki, H. Sasajima, M. Matsumoto, N. Hirano, T. Konari, Y. Itoh, H. A. Sakaue, K. Watanabe, H. Ohkuma, H. Saeki, S. H. Be
Proceeding of the 9th Meeting on Ultra High Vacuum Techniques for Accelerators and Storage Rings, , (1994), 199
- [102] "Characteristic Parameters of Current Transformer"
K. Yanagida, H. Yoshikawa, S. Suzuki, A. Mizuno, H. Sakaki, T. Hori, Y. Itoh, M. Kodera, A. Kuba, H. Yokomizo
Proceedings of the 19th Linear Accelerator Meeting in Japan, , (1994), 260-262
- [103] "Emittance Monitor for SPring-8 Linac"
K. Yanagita, Y. Itoh, T. Hori, S. Suzuki, H. Yoshikawa, A. Mizuno, H. Sakaki, A. Kuba, H. Yokomizo
Proceedings of the 1994 International Linac Conference, **2**, (1994), 920-922
- [104] "1 GeV SPring-8 Linac"
H. Yokomizo, H. Yoshikawa, S. Suzuki, K. Yanagida, A. Mizuno, H. Sakaki, T. Hori, M. Kodera, Y. Itoh, A. Kuba, B. Liu, T. Taniuchi, H. Kodera
Proceedings of the 19th Linear Accelerator Meeting in Japan, , (1994), 16-18

- [105] "High Current Ins Pulse Electron Gun"
H. Yoshikawa, S. Suzuki, T. Hori, K. Yanagida, A. Mizuno, Y. Itoh, H. Sakaki, K. Tamazame, A. Kuba, M. Kodera, H. Yokomizo
Proceedings of the 1994 International Linac Conference, **1**, (1994), 410-412
[1995]
- [106] "Calibration of Beam Position Monitor for the SPring-8 Synchrotron"
T. Aoki, H. Yonehara, H. Suzuki, N. Tani, H. Abe, K. Fukami, S. Hayashi, Y. Ueyama, T. Kaneta, K. Okanishi, S. Ohtsuchi, T. Miyaoka, K. Sato, E. Toyoda, H. Ito, H. Yokomizo
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 251-253
- [107] "Alignment of Magnets for the SPring-8 Synchrotron"
K. Fukami, H. Yonehara, H. Suzuki, T. Aoki, S. Ohtsuchi, S. Hayashi, Y. Hirata, T. Nagafuchi, N. Suetake, Y. Yoshikawa, H. Itoh
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 103-105
- [108] "Manufacture and Arrangement of Bending Magnets of SPring-8 Synchrotron"
K. Fukami, H. Yonehara, H. Suzuki, T. Aoki, N. Tani, H. Abe, S. Hayashi, Y. Ueyama, T. Kaneta, K. Okanishi, S. Ohzuchi, H. Tanaka, H. Yokomizo, T. Tyuugun, T. Nagafuchi
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 109-111
- [109] "Pulse Modulator for 80MW Klystron in SPring-8 Linac"
T. Hori, A. Mizuno, H. Yoshikawa, S. Suzuki, K. Yanagida, H. Sakaki, K. Kodera, Y. Itoh, H. Kotaki, A. Kuba, T. Taniuchi, H. Yokomizo
Proceedings of the 20th Linear Accelerator Meeting in Japan, , (1995), 272-274
- [110] "Development of Device Drivers on Real-time UNIX for the SPring-8 Storage Ring Control System"
T. Masuda, S. Fujiwara, T. Fukui, A. Taketani, R. Tanaka, T. Wada, W. Xu, A. Yamashita
Proceedings of the 1995 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 95), , (1995), 584-588
- [111] "Magnet Alignment System of the SPring-8 Storage Ring using Laser"
S. Matsui, C. Zhang, J. Ohnishi, Y. Chid
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 97-99
- [112] "Stability of Trapped Ions in Electron Storage Rings in View of Parametric Resonance"
Y. Miyahara
Proceedings of the 1995 Particle Accelerator Conference, **5**, (1995), 3355-3357
- [113] "Stability of Trapped ions in Electron Storage Rings"
Y. Miyahara
Proceedings of ICSRS-AFSR '95, , (1995), 159-165
- [114] "Modulators for SPring-8 Linac"
A. Mizuno, T. Hori, H. Yoshikawa, M. Kodera, H. Misawa, H. Teramura, N. Akashige, Y. Ohnishi, S. Suzuki, K. Yanagida, H. Sakaki, Y. Itoh, T. Taniuchi, H. Kotaki, A. Kuba, H. Yokomizo
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 76-78
- [115] "Analysis of Positron Production and Focusing Section for The SPring-8 Linac"
A. Mizuno, S. Suzuki, H. Yoshikawa, T. Hori, K. Yanagida, H. Sakaki, T. Taniuchi, H. Kotaki, H. Yokomizo
Proceedings of the 1995 Particle Accelerator Conference, **2**, (1995), 1046-1048
- [116] "Measurement of Magnetic Field Center of the Quadrupoles and Sextupoles for the SPring-8 Storage Ring"
J. Ohnishi, M. Kawakami, S. Matsui
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 203-205
- [117] "Conditioning of the SPring-8 Linac RF System Using Fuzzy Logic"
H. Sakaki, T. Hori, H. Yoshikawa, S. Suzuki, T. Taniuchi, A. Kuba, H. Yokomizo
Proceedings of the 1995 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 95), , (1995),
- [118] "Control System of SPring-8 Injector Linac"
H. Sakaki, H. Yoshikawa, Y. Itoh, A. Kuba, T. Taniuchi, H. Yokomizo
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 301-303
- [119] "Design of SPring-8 Linac Control System Using Object Oriented Concept"
H. Sakaki, H. Yoshikawa, Y. Itoh, A. Kuba, T. Hori, A. Mizuno, H. Yokomizo
Proceedings of the 1995 Particle Accelerator Conference, **4**, (1995), 2208-2210

- [120] "High Power Test of S-band Wave Guide System for The SPring-8 Injector Linac"
K. Satoh, S. Suzuki, T. Taniuchi, A. Mizuno, H. Yokomizo, K. Mashiko, O. Takeda, H. Kamikubo, Y. Ohnishi, Y. Ohkubo, H. Yonezawa, T. Miyano, K. Suzuki
Proceedings of the 20th Linear Accelerator Meeting in Japan, , (1995), 263-265
- [121] "High Accurate Timing System for the SPring-8 Synchrotron"
H. Suzuki, H. Yonehara, T. Aoki, N. Tani, S. Hayashi, T. Miyaoka, Y. Shimouchi, T. Yagi, E. Toyoda
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 295-297
- [122] "RF System of SPring-8 Linac"
S. Suzuki, H. Yoshikawa, T. Hori, T. Taniuchi, K. Yanagida, A. Mizuno, A. Kuba, Y. Itoh, H. Sakaki, M. Kodera, H. Kotaki, T. Okada, H. Yokomizo
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 73-75
- [123] "Manufacture of the Crotch and Absorber for the Spring-8 Storage Ring"
S. Takahashi, Y. Morimoto, T. Horiuchi, S. Yuki, K. Watanabe, H. A. Sakaue, H. Saeki, H. Ohkuma, S. H. Be
Proceeding of the International Conference Vacuum Science & Technology and SRS Vacuum System, , (1995), 209
- [124] "Equipment Manager of the VME Control System for the SPring-8 Storage Ring"
A. Taketani, S. Fujiwara, T. Fukui, T. Masuda, R. Tanaka, T. Wada, W. Xu, A. Yamashita
Proceedings of the 1995 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 95), , (1995), 625-628
- [125] "Refinement of Calibration Procedure for Beam Position Monitors"
K. Tamura, S. Sasaki, M. Shoji, S. Takano
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 159-161
- [126] "Control System of the SPring-8 Storage Ring"
R. Tanaka, S. Fujiwara, T. Fukui, T. Masuda, A. Taketani, A. Yamashita, T. Wada, W. Xu
Proceedings of the 1995 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 95), , (1995), 201-209
- [127] "Development of the Straight Section Chambers for the Spring-8 Storage Ring"
K. Watanabe, H. Saeki, H. A. Sakaue, H. Ohkuma, S. H. Be, M. Oishi, M. Tsuchiya, T. Nishidono
Proceeding of the International Conference of Vacuum Science & Technology and SRS Vacuum System, , (1995), 226
- [128] "R&D of a Full-Size Cell for the Spring-8 Storage Ring Vacuum System"
K. Watanabe, S. H. Be, M. Iizuka, H. Ohkuma, H. Saeki, H. A. Sakaue, Y. Wang
Proceeding of the International Conference Vacuum Science & Technology and SRS Vacuum System, , (1995), 58
- [129] "Analog Processor for Emittance Monitor in SPring-8 Linac"
K. Yanagida, Y. Itoh, H. Yoshikawa, T. Hori, S. Suzuki, A. Mizuno, H. Sakaki, T. Taniuchi, A. Kuba, T. Okada, M. Kodera, H. Yokomizo
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 144-146
- [130] "Construction of SPring-8 1GeV Linac"
K. Yanagida, H. Yoshikawa, T. Hori, S. Suzuki, A. Mizuno, H. Sakaki, H. Kotaki, T. Taniuchi, Y. Itoh, M. Kodera, A. Kuba, T. Okada, H. Yokomizo
Proceedings of ICSRS-AFSR '95, , (1995), 296-302
- [131] "Identification of Wall Current Monitor with Current Transformer"
K. Yanagida, H. Yoshikawa, S. Suzuki, A. Mizuno, H. Sakaki, T. Hori, Y. Itoh, M. Kodera, A. Kuba, H. Kotaki, H. Yokomizo
Proceedings of the 20th Linear Accelerator Meeting in Japan, , (1995), 236-238
- [132] "Construction of SPring-8 Injector System"
H. Yokomizo, H. Abe, T. Aoki, K. Fukami, S. Hayashi, T. Hori, H. Hosoda, M. Ishihara, Y. Itoh, T. Kaneda, M. Kodera, H. Kotaki, A. Kuba, A. Mizuno, K. Okanishi, T. Oku, S. Ohzuchi, H. Oyatani, H. Sakaki, H. Suzuki, S. Suzuki, N. Tani, T. Taniuchi, K. Yanagida, H. Yonehara, H. Yoshikawa
Proceedings of the 10th Symposium on Accelerator Science and Technology, , (1995), 14-16
- [133] "SPring-8 Linac"
H. Yokomizo, H. Yoshikawa, S. Suzuki, K. Yanagida, A. Mizuno, H. Sakaki, H. Kotaki, T. Hori, T. Taniuchi, M. Kodera, Y. Itoh, A. Kuba, T. Okada
Proceedings of the 20th Linear Accelerator Meeting in Japan, , (1995), 112-114

- [134] "Vacuum Performance of Pumping System for Crotch and Absorber of Spring-8 Storage Ring"
S. Yokouchi, Y. Yamamoto, Y. Yanagi, Y. Itoh, H. A. Sakaue, K. Watanabe, H. Saeki, H. Ohkuma, S. H. Be
Proceeding of the International Conference Vacuum Science & Technology and SRS Vacuum System, ,
(1995), 197
- [135] "Development of the Pulse Magnets for the Booster Synchrotron of SPring-8"
H. Yonehara, H. Suzuki, T. Nagafuchi, M. Kodaira, T. Aoki, N. Tani, S. Hayashi, Y. Ueyama, T. Kaneta, Y.
Sasaki, H. Abe, H. Yokomizo
Proceedings of the 1995 Particle Accelerator Conference, **2**, (1995), 1358-1360
- [136] "Control of SPring-8 Injector Linac"
H. Yoshikawa, Y. Itoh, H. Sakaki, T. Taniuchi, M. Kodera, A. Kuba, T. Hori, A. Mizuno, S. Suzuki, K.
Yanagida, H. Yokomizo
Proceedings of the 20th Linear Accelerator Meeting in Japan, , (1995), 206-208
- [137] "Software Project for SPring-8 Linac Control"
H. Yoshikawa, Y. Itoh, H. Sakaki, M. Kodera, T. Taniuchi, K. Tamezone, T. Hori, S. Suzuki, A. Mizuno, K.
Yanagida, H. Yokomizo
Proceedings of the 1995 International Conference on Accelerator and Large Experimental Physics Control
Systems (ICALEPCS 95), , (1995),
- [1996]
- [138] "High Power RF Processing of S-Band Accelerator Unit for SPring-8 Linac"
T. Asaka, H. Yoshikawa, S. Suzuki, K. Yanagida, A. Mizuno, H. Sakaki, Y. Itoh, S. Fukushima, T. Kobayashi,
T. Hori, T. Taniuchi, A. Kuba, H. Akimoto, M. Yamazaki, S. Nagasawa, T. Ohnishi, K. Mashiko, H.
Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 254-256
- [139] "RF Noise and Longitudinal Emittance in an Electron Storage Ring"
S. Date, K. Soutome, A. O
The Future of Accelerator Physics: The Tamura Symposium Proceedings (AIP Conference Proceedings 356), ,
(1996), 163-174
- [140] "Power Supplies of Lattice Magnets for SPring-8 Synchrotron"
K. Fukami, H. Yonehara, H. Suzuki, Y. Ueyama, S. Hayashi, T. Aoki, N. Tani, H. Oyatani, H. Kubo, T.
Kanazawa
Proceeding of the 2nd Symposium on Power Supply Technology for Accelerators, , (1996),
- [141] "Coupled Bunch Instability and the Cavity Structure of the SPring-8 Storage Ring"
M. Hara, H. Ego, Y. Kawashima, Y. Ohashi, T. Ohshima, I. Takeshita
The Future of Accelerator Physics: The Tamura Symposium Proceedings (AIP Conference Proceedings 356),
CP356, (1996), 177-187
- [142] "A Comment on the Definition of 4th Generation Light Source"
M. Hara
Proceedings of the ICFA Workshop on 4th Generation Light Sources, , (1996), WG4-42
- [143] "The RF Driver System of 80MW Klystron for SPring-8 Linac"
T. Hori, H. Yoshikawa, S. Suzuki, K. Yanagida, A. Mizuno, H. Sakaki, Y. Itoh, A. Kuba, S. Fukushima, T.
Kobayashi, T. Asaka, T. Taniuchi, H. Akimoto, M. Yamazaki, S. Nagasawa, T. Ohnishi, K. Mashiko, H.
Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 29-31
- [144] "Beam Current Monitor for SPring-8"
T. Kobayashi, H. Yoshikawa, S. Suzuki, A. Mizuno, K. Yanagida, H. Sakaki, Y. Ito, T. Taniuchi, S.
Fukushima, A. Kuba, T. Asaka, T. Hori, H. Akimoto, M. Yamazaki, T. Ohnishi, S. Nagasawa, K. Mashiko, H.
Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 252-253
- [145] "Saturation Radiation Power of the Free Electron Laser in Electron Storage Rings"
Y. Miyahara
The Future of Accelerator Physics: The Tamura Symposium Proceedings (AIP Conference Proceedings 356), ,
(1996), 200-211
- [146] "Commissioning of Modulator System in the SPring-8"
A. Mizuno, T. Hori, H. Yoshikawa, S. Suzuki, T. Kobayashi, T. Asaka, H. Sakaki, S. Fukushima, A. Kuba, K.
Yanagida, T. Taniuchi, H. Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 249-251

- [147] "Conditioning of RF Cavities and RF Input Couplers for SPring-8"
T. Ohshima, H. Suzuki, H. Ego, M. Hara, N. Hosoda, Y. Kawashima, Y. Ohashi, F. Wang, H. Yonehara
Proceedings of the 5th European Particle Accelerator Conference, , (1996), 2047-2049
- [148] "Automatic RF Aging System in SPring-8 Linac"
H. Sakaki, T. Hori, H. Yoshikawa, T. Asaka, S. Fukushima, H. Akimoto, T. Kobayashi, Y. Itoh, A. Kuba, A. Mizuno, S. Suzuki, K. Yanagida, T. Taniuchi, H. Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 50-52
- [149] "Computer Aided Operation on SPring-8 Linac Control System"
H. Sakaki, T. Hori, H. Yoshikawa, Y. Itoh, T. Asaka, A. Mizuno, A. Kuba, H. Yokomizo
Proceeding of International Workshop on Control Systems for Small- and Medium-Scale Accelerators, , (1996),
- [150] "Update Plan of SPring-8 Linac"
S. Suzuki, H. Yoshikawa, K. Yanagita, T. Taniguchi, A. Mizuno, H. Yokomizo
Proceeding of 18th International Linac Conference, , (1996), 438
- [151] "Correction of Emittance Modulation by Linear Coupling"
H. Tanaka, A. O
The Future of Accelerator Physics: The Tamura Symposium Proceedings (AIP Conference Proceedings 356), , (1996), 138-150
- [152] "Emittance Reduction in Electron Storage Ring"
H. Tanaka, L. Farvacque, J. L. Laclare, . Nghiem, J. Payet, A. Ropert, A. Tkatchenko
The Future of Accelerator Physics: The Tamura Symposium Proceedings (AIP Conference Proceedings 356), , (1996), 151-162
- [153] "Control System for the Booster Synchrotron of SPring-8"
N. Tani, N. Hosoda, S. Hayashi, K. Maeda, T. Kamazawa, M. Tachibana, T. Aoki, H. Suzuki, K. Okanishi, K. Fukami, H. Abe, H. Yonehara
Proceeding of International Workshop on Control Systems for Small- and Medium-Scale Accelerators, , (1996),
- [154] "RF Gun Study for SPring-8 Linac"
T. Taniuchi, H. Yoshikawa, S. Suzuki, K. Yanagida, T. Kobayashi, T. Asaka, A. Mizuno, T. Hori, S. Fukushima, Y. Itoh, A. Kuba, H. Sakaki, H. Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 257-259
- [155] "I-D Calculation for SPring-8 Linac Single Pass FEL"
K. Yanagida, H. Yoshikawa, S. Suzuki, T. Taniuchi, A. Mizuno, T. Hori, T. Kobayashi, T. Asaka, S. Fukushima, Y. Itoh, A. Kuba, H. Sakaki, Y. Kishimoto, H. Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 260-262
- [156] "Linac and Booster Synchrotron for SPring-8 Injector"
H. Yokomizo, H. Abe, A. Aoki, T. Asaka, K. Fukami, S. Fukushima, S. Hayashi, T. Hori, H. Hosoda, Y. Itoh, T. Kobayashi, A. Kuba, A. Mizuno, S. Ohzuchi, K. Okanishi, H. Oyatani, H. Sakaki, H. Suzuki, S. Suzuki, N. Tani, T. Taniuchi, K. Yanagida, H. Yonehara, H. Yoshikawa
Proceedings of the 5th European Particle Accelerator Conference, **1**, (1996), 688-690
- [157] "Commissioning of SPring-8 Linac"
H. Yokomizo, H. Yoshikawa, S. Suzuki, K. Yanagida, A. Mizuno, H. Sakaki, T. Hori, T. Taniuchi, T. Asaka, T. Kobayashi, Y. Itoh, A. Kuba, S. Fukushima
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 1-3
- [158] "Injector Linac of SPring-8"
H. Yoshikawa, T. Hori, S. Suzuki, Y. Yanagita, Y. Itoh, A. Mizuno, T. Taniguchi, H. Sakaki, A. Kuba, S. Fukushima, T. Kobayashi, T. Asaka, H. Yokomizo
Proceedings of 18th International Linac Conference, , (1996), 441
- [159] "Future Activity Plan of SPring-8 Linac"
H. Yoshikawa, T. Asaka, S. Fukushima, T. Hori, Y. Itoh, A. Kuba, A. Mizuno, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yokomizo
Proceedings of the 21th Linear Accelerator Meeting in Japan, , (1996), 263-265
- [1997]
- [160] "Magnetic Leakage Shield of Septum Magnet for SPring-8 Synchrotron"
H. Abe, T. Aoki, K. Fukami, S. Hayashi, N. Hosoda, T. Kaneta, S. Ohtsuchi, K. Okanishi, Y. Sasaki, H. Suzuki, N. Tani, M. Tanimoto, H. Yokomizo, H. Yonehara
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 405-408

- [161] "Clear up Causes of Beam Energy(E, E) Drift Using the Regression Analysis for SPring-8 Linac"
H. Akimoto, H. Sakaki, H. Yoshikawa, T. Hori, T. Asaka, A. Kubo, H. Yokomizo
Proceedings of the 22nd Linear Accelerator Meeting in Japan, , (1997), 181-183
- [162] "Beam Diagnostics for Beam Commissioning of SPring-8 Synchrotron"
T. Aoki, H. Suzuki, N. Tani, K. Fukami, N. Hosoda, T. Kobayashi, S. Hayashi, M. Tanimoto, S. Ohtsuchi, K. Okanishi, T. Sasaki, H. Yonehara
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 246-248
- [163] "Low Jitter Timing System for SPring-8 Linac"
T. Asaka, H. Abe, H. Akimoto, T. Hori, Y. Ishikawa, Y. Itoh, A. Kuba, A. Mizuno, S. Nagasawa, T. Ohnishi, H. Sakaki, S. Suzuki, T. Taniuchi, M. Yamazaki, K. Yanagida, H. Yoshikawa, H. Yokomizo
Proceedings of the 22nd Linear Accelerator Meeting in Japan, , (1997), 240-242
- [164] "Magnet Alignment of SPring-8 Booster Synchrotron"
K. Fukami, H. Yonehara, S. Ohzuchi, M. Tanimoto, H. Tanaka, H. Suzuki, T. Aoki, N. Tani, N. Hosoda, S. Hayashi, Y. Hirata, T. Nagafuchi, N. Suetake, Y. Yoshiwara, H. Itoh
Proceeding of the 5th International Workshop on Accelerator Alignment, , (1997),
- [165] "RF Stations of the SPring-8 Storage Ring"
M. Hara, H. Ego, Y. Kawashima, Y. Ohashi, T. Ohshima, T. Takashima
Proceedings of the 1997 Particle Accelerator Conference, , (1997), 2971-2973
- [166] "Present Status of 80MW Klystron Modulator for SPring-8 Linac"
T. Hori, A. Mizono, H. Yoshikawa, T. Asaka, H. Yokomizo
Proceedings of the 22nd Linear Accelerator Meeting in Japan, , (1997), 143-145
- [167] "A Method of Beam-Based Calibration for Beam Position Monitor"
M. Masaki
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 83-85
- [168] "Magnet Alignment Results of the SPring-8 Storage Ring"
S. Matsui, C. Zhang, K. Tsumaki, J. Ohnishi, K. Hasegawa, Y. Sasaki, X. Ouyang, Y. Chida, Y. Okada
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 44-46
- [169] "X-ray FEL in a Small Emittance Storage Ring"
Y. Miyahara
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 525-527
- [170] "Studies of Laser-Beam Interaction at the SPring-8 Linac"
A. Mizuno, H. Abe, H. Yoshikawa, K. Yanagida, S. Matsui, S. Date, S. Suzuki, T. Asaka, T. Taniuchi, T. Tajima, H. Yokomizo
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 311-313
- [171] "Estimation of Beam Instabilities and Its Cure in the SPring-8 Storage Ring"
T. Nakamura
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 490-492
- [172] "Commissioning of the SPring-8 Storage Ring"
H. Ohkuma, S. Date, K. Kumagai, M. Masaki, T. Masuda, T. Nakamura, J. Ohnishi, T. Ohshima, T. Shimada, K. Soutome, S. Takano, H. Tanaka, M. Takao, K. Tamura, K. Tsumaki, N. Kumagai
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 62-64
- [173] "Performance of the SPring-8 Storage Ring Vacuum System"
H. Ohkuma, K. Watanabe, H. Saeki, M. Masaki, Y. Suzuki, Y. Taniuchi, T. Noda, M. Maeno
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 359-361
- [174] "Phase Instability Measurement of the RF Driver System for SPring-8 Linac"
T. Ohnishi, H. Yoshikawa, S. Suzuki, K. Yanagida, T. Hori, H. Sakaki, T. Asaka, H. Akimoto, M. Yamazaki, M. Adachi, S. Nagasawa, H. Yokomizo
Proceedings of the 22nd Linear Accelerator Meeting in Japan, , (1997), 140-142
- [175] "RF System for SPring-8 Storage Ring at the Commissioning"
T. Ohshima, H. Ego, M. Hara, N. Hosoda, Y. Kawashima, Y. Ohashi, H. Suzuki, T. Takashima, H. Yonehara
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 95-97
- [176] "Timing System of SPring-8"
H. Suzuki, Y. Kawashima, N. Tani, N. Hosoda, Y. Ohashi, T. Ohshima, H. Ego, M. Hara, H. Yonehara
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 80-82

- [177] "Overview of SPring-8 Linac Future Plan"
S. Suzuki, H. Abe, T. Asaka, T. Hori, Y. Itoh, A. Kuba, A. Mizuno, H. Sakaki, T. Taniuchi, K. Yanagida, H. Yoshikawa, H. Yokomizo
Proceeding of Workshop on Single Pass High Gain FELs starting from Noise, Aiming at Coherent X-rays (AIP Conference Proceeding), **413**, (1997), 121
- [178] "Operation Control System for the Storage Ring of SPring-8"
M. Takao, S. Date, K. Kumagai, M. Masaki, T. Masuda, T. Nakamura, H. Ohkuma, J. Ohnishi, T. Ohshima, T. Shimada, K. Soutome, S. Takano, H. Tanaka, K. Tsumaki, N. Kumagai
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 344-346
- [179] "Operation of the SPring-8 SR Main Magnet Power Supplies and Control System"
H. Takebe, J. Ohnishi, K. Kumagai, K. Tsumaki, N. Kumagai
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 395-398
- [180] "Application Software for Orbit Correction of SPring-8 Storage Ring"
H. Tanaka, S. Date, K. Kumagai, M. Masaki, T. Masuda, T. Nakamura, H. Ohkuma, J. Ohnishi, T. Ohshima, T. Shimada, K. Soutome, S. Takano, M. Takao, K. Tsumaki, N. Kumagai
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 461-463
- [181] "Control System for Beam Commissioning of the SPring-8 Synchrotron"
N. Tani, N. Hosoda, H. Suzuki, T. Aoki, K. Fukami, T. Kobayashi, S. Hayashi, M. Tanimoto, S. Ohtsuchi, K. Maeda, K. Okanishi, T. Sasaki, H. Yonehara
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 467-469
- [182] "Design of High Power Model Cavity for RF Gun"
T. Taniuchi, H. Yoshikawa, T. Hori, S. Suzuki, K. Yanagida, A. Mizuno, H. Sakaki, T. Asaka, H. Abe, H. Yokomizo
Proceeding of 19th International Free Electron Laser Conference, , (1997),
- [183] "Photocathode RF Gun Study for SPring-8 Linac"
T. Taniuchi, K. Yanagida, S. Suzuki, A. Mizuno, H. Yoshikawa, T. Hori, T. Asaka, H. Yokomizo
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 203-205
- [184] "Bunch Compression and Beam Transport for SPring-8 SASE"
K. Yanagida, S. Suzuki, T. Taniuchi, H. Yoshikawa, A. Mizuno, H. Abe, T. Hori, H. Sakaki, T. Asaka, H. Yokomizo
Proceeding of Workshop on Single Pass High Gain FELs starting from Noise, Aiming at Coherent X-rays (AIP Conference Proceeding), **413**, (1997), 299
- [185] "Beam Transport for SPring-8 Linac Future Plan"
K. Yanagida, S. Suzuki, A. Mizuno, T. Taniuchi, H. Yoshikawa, H. Abe, T. Hori, T. Asaka, H. Sakaki, A. Kuba, H. Yokomizo
Proceedings of the 11th Symposium on Accelerator Science and Technology, , (1997), 528-530
- [186] "Linac-Based FEL in SPring-8"
H. Yokomizo, H. Abe, T. Asaka, T. Hori, A. Mizuno, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yoshikawa
Proceeding of the 19th International Free Electron Laser Conference, , (1997),
- [187] "Present Status of SPring-8 Linac"
H. Yoshikawa, H. Akimoto, T. Asaka, T. Hori, A. Kuba, A. Mizuno, T. Ohnishi, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yokomizo
Proceedings of the 22nd Linear Accelerator Meeting in Japan, , (1997), 10-12
- [188] "Alignment Results for Magnet Units of the SPring-8 Storage Ring"
C. Zhang, S. Matsui, J. Ohnishi, K. Tsumaki
Proceeding of the 5th International Workshop on Accelerator Alignment, , (1997),
[1998]
- [189] "Stability of the RF System at SPring-8 Linac"
T. Asaka
Proceedings of the 23rd Linear Accelerator Meeting in Japan, , (1998), 222-224
- [190] "Performance of Electron Gun for SPring-8 Linac"
T. Asaka, T. Hori, Y. Ito, T. Kobayashi, A. Kuba, A. Mizuno, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagita, H. Yoshikawa, H. Yokomizo
Proceedings of the 1997 Particle Accelerator Conference, **3**, (1998), 2814-2816

- [191] "Coherent Synchrotron Oscillation Excited by a Ripple of a Klystron Power Supply"
M. Hara, T. Nakamura, T. Ohshima, T. Takashima
Proceedings of the 6th European Particle Accelerator Conference, , (1998), 1280-1282
- [192] "Elevation Changes of the SPring-8 Storage Ring"
S. Matsui, C. Zhang, K. Nakashima, H. Kishimoto, M. Tanaka
Proceeding of the 5th International Workshop on Accelerator Alignment, **1317**, (1998),
- [193] "Possibility of X-ray Free Electron Laser with Single Crystal Optical Resonator for Bragg Reflection"
Y. Miyahara
Proceedings of the 1997 Particle Accelerator Conference, **1**, (1998), 891-893
- [194] "Commissioning of SPring-8 Linac Control System"
H. Sakaki, H. Yoshikawa, T. Asaka, T. Hori, Y. Itoh, A. Kuba, A. Mizuno, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yokomizo
Proceedings of the 1997 Particle Accelerator Conference, **2**, (1998), 2511-2513
- [195] "Higher Order Formula for Nonlinear Dispersion"
K. Soutome, M. Takao, H. Tanaka
Proceedings of the 6th European Particle Accelerator Conference, **2**, (1998), 924-926
- [196] "Limits to Shortening Bunch Lengths by Reducing Momentum Compaction Factors in Electron or Positron Storage Rings"
K. Soutome, M. Takao, H. Tanaka, Y. Shoji
Proceedings of the 6th European Particle Accelerator Conference, **2**, (1998), 1008-1010
- [197] "Magnet Alignment and Closed Orbit Distortion of the SPring-8 Storage Ring"
K. Tsumaki, N. Kumagai, S. Matsui, C. Zhang, J. Ohnishi
Proceedings of the 6th European Particle Accelerator Conference, **2**, (1998), 1356-1358
- [1999]
- [198] "Initial Results of RF Gun Experiment"
H. Abe, T. Asaka, H. Hanaki, A. Mizuno, S. Suzuki, T. Taniuchi, K. Yanagida
Proceedings of the 1999 Particle Accelerator Conference, **3**, (1999), 2015-2017
- [199] "Simulation for an RF Gun Test Apparatus in the SPring-8 Linac"
H. Abe, T. Asaka, H. Hanaki, A. Mizuno, S. Suzuki, T. Taniuchi, K. Yanagida
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2749-2751
- [200] "Tune Measurement of the SPring-8 Booster Synchrotron"
T. Aoki, T. Ohshima, K. Fukami, N. Hosoda, H. Yonehara
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 531-533
- [201] "Stability of the RF System at the SPring-8 Linac"
T. Asaka, H. Hanaki, T. Hori, T. Kobayashi, A. Mizuno, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yokomizo, H. Yoshikawa
Proceedings of the 1999 Particle Accelerator Conference, **5**, (1999), 3507-3509
- [202] "Conceptual Design of Energy Compression System for the SPring-8 Linac"
T. Asaka, T. Hori, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, K. Yanagida, H. Hanaki
Proceedings of the 24th Linear Accelerator Meeting in Japan, , (1999), 338-340
- [203] "Operation and Performance of the SPring-8 Storage Ring"
S. Date, K. Kumagai, N. Kumagai, M. Masaki, T. Nakamura, H. Ohkuma, T. Ohshima, K. Soutome, S. Takano, M. Takao, H. Tanaka, K. Tamura
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2346-2348
- [204] "Status of the SPring-8 Linac"
H. Hanaki, H. Abe, H. Akimoto, T. Asaka, T. Hori, T. Kobayashi, A. Mizuno, H. Sakaki, S. Suzuki, T. Taniuchi, K. Yanagida, H. Yokomizo, H. Yoshikawa
Proceedings of the 24th Linear Accelerator Meeting in Japan, , (1999), 16-18
- [205] "Production and Application of MeV-SR Using Super-Conducting Wiggler in SPring-8"
M. Hara, S. Date, M. Fedurin, H. Kamitsubo, V. Kandiev, A. Kiselev, G. Kulipanov, N. Kumagai, N. Mezentsev, Y. Miyahara, T. Nakamura, H. Ohkuma, V. Panchenko, V. Plokhov, V. Shkaruba, A. Skrinsky, K. Soutome, M. Takao, H. Tanaka, H. Yonehara
加速器研究施設研究会 報文集, **KEK AccLab-99-1**, (1999), 285-297

- [206] "The Improvement of the Electron Gun for the SPring-8 Linac"
T. Kobayashi, T. Asaka, T. Hori, K. Yanagida, S. Suzuki, A. Mizuno, T. Taniuchi, H. Hanaki
Proceedings of the 24th Linear Accelerator Meeting in Japan, , (1999), 155-157
- [207] "Beam Orbit Distortion Caused by Temperature Fluctuation of Cooling Water at Spring-8 Storage Ring"
K. Kumagai, K. Soutome, H. Tanaka, H. Yonehara, N. Kumagai
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 420-422
- [208] "Calibration of Beam Position Monitors Using a Stored Beam in the SPring-8 Storage Ring"
K. Kumagai, N. Kumagai, H. Ohkuma, K. Soutome, M. Takao, H. Tanaka
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2343-2345
- [209] "Estimation of Betatron Coupling and Vertical Dispersion for SPring-8 Storage Ring"
N. Kumagai, H. Ohkuma, K. Soutome, M. Takao, H. Tanaka
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2349-2351
- [210] "Orbit Stabilization in SPring-8 Storage Ring"
N. Kumagai, H. Ohkuma, K. Soutome, M. Takao, H. Tanaka
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2340-2342
- [211] "Vacuum Conditioning and Beam Lifetime of the SPring-8 Storage Ring"
N. Kumagai, T. Noda, H. Ohkuma, M. Oishi, H. Saeki, K. Soutome, Y. Suzuki, M. Takao, H. Tanaka, Y. Taniuchi, K. Watanabe
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2352-2354
- [212] "Model Calibration of Betatron Functions and Phase in the SPring-8 Storage Ring"
G. Liu, K. Kumagai, N. Kumagai, H. Ohkuma, K. Soutome, M. Takao, H. Tanaka
Proceedings of the 1999 Particle Accelerator Conference, **4**, (1999), 2337-2339
- [213] "Vertical Beam Size Measurement of the SPring-8 Storage Ring by Visible Synchrotron Radiation Interferometer"
M. Masaki, S. Takano, H. Tanaka, K. Soutome, M. Takano, M. Oishi, K. Tamura, M. Shoji, S. Sasaki, H. Ohkuma
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 525-527
- [214] "Studies of an RF Gun in the SPring-8"
A. Mizuno, T. Asaka, S. Suzuki, T. Taniuchi, K. Yanagida, H. Hanaki
Proceedings of the 24th Linear Accelerator Meeting in Japan, , (1999), 125-127
- [215] "Beam Tracking Simulation for an RF Gun Apparatus in the SPring-8"
A. Mizuno, T. Taniuchi, S. Suzuki, K. Yanagida, H. Abe, T. Asaka, H. Yokomizo, H. Hanaki
Nonlinear and Collective Phenomena in Beam Physics_1998 Workshop: International Committee on Future Accelerators (AIP Conference Proceedings 468), **CP468**, (1999), 101-106
- [216] "Robinson Instability under Cavity Voltage Feed-back at the SPring-8 Storage Ring"
T. Nakamura, T. Takashima, T. Ohshima
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 242-244
- [217] "Robinson Instability under Cavity Voltage Feedback"
T. Nakamura,
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 245-247
- [218] "Excitation of Betatron Oscillation under Finite Chromaticity"
T. Nakamura,
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 534-536
- [219] "Energy Spread Measurement of the SPring-8 Storage Ring with Chromatic Sideband Peak Height of Betatron Oscillation Spectrum"
T. Nakamura, M. Takao, M. Masaki, K. Soutome, K. Kumagai, T. Ohshima, K. Tsumaki
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 537-539
- [220] "Observation of the Single-Bunch Instabilities in the SPring-8 Storage Ring"
T. Nakamura, S. Takano, M. Masaki, K. Soutome, M. Takao, K. Kumagai, T. Ohshima, M. Oishi, K. Tamura, K. Tsumaki, T. Shimada, H. Ohkuma, M. Shoji, S. Sasaki
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 540-542
- [221] "Single-Bunch Instabilities in the SPring-8 Storage Ring: Comparison with Simulation Based on Estimated Impedance"
T. Nakamura
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 543-545

- [222] "Design of Magnet Rearrangement and Power Supply for SPring-8 Storage Ring Long Straight Sections"
T. Takebe, K. Tsumaki, H. Tanaka, K. Soutome, K. Kumagai, H. Yonehara, N. Kumagai
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 316-318
- [223] "Measurement of Single Bunch Impurity in SPring-8 Storage Ring using a Light Shutter System"
K. Tamura
Proceedings of the 12th Symposium on Accelerator Science and Technology, , (1999), 546-548
- [224] "Twiss Parameter Matching for The Beam Transport Line of The SPring-8 Linac"
K. Yanagida, S. Suzuki, T. Asaka, A. Mizuno, T. Taniuchi, T. Hori, T. Kobayashi, H. Akimoto, H. Hanaki
Proceedings of the 24th Linear Accelerator Meeting in Japan, , (1999), 82-84
- [225] "Alignment for New SUBARU Ring"
C. Zhang, S. Matsui, S. Hashimoto
Proceedings of the 6th International Workshop on Accelerator Alignment, , (1999),
[2000]
- [226] "Generation of MeV Photons using an Optically-Pumped FIR Laser at SPring-8"
Y. Arimoto, Y. Sato, H. Ohkuma, S. Suzuki, K. Tamura, S. Okajima
Proceedings of International Workshop on Laser Electron Photons at SPring-8, , (2000), 169
- [227] "Estimations of Slow Positron Yield from Target-Moderator System Irradiated by SPring-8 Hard Synchrotron Radiation"
E. Avrorin
New Research Opportunity for Using MeV-Range Synchrotron Radiation: The Proceedings for 5th Mini-Workshop in Osaka, , (2000), 33-42
- [228] "Slow Ground Motion at SPring-8"
S. Date
Proceeding of the 22nd Advanced ICFA Beam Dynamics Workshop on Ground Motion in Future Accelerators, , (2000), Report-SLACWP-18
- [229] "Beam Orbit, Tune and Chromaticity in the SPring-8 Booster Synchrotron"
K. Fukami, T. Aoki, A. Asaka, N. Hosoda, T. Ohshima, H. Yonehara
Proceedings of the 7th European Particle Accelerator Conference, **1**, (2000), 418-420
- [230] "Status of the SPring-8 Linac"
H. Hanaki, T. Asaka, H. Dewa, T. Asaka, T. Hori, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida
Proceedings of the 25th Linear Accelerator Meeting in Japan, , (2000), 32-34
- [231] "Development of the Beam Deflector"
T. Kobayashi
Proceedings of the 25th Linear Accelerator Meeting in Japan, , (2000), 171-173
- [232] "Future Research Possibilities with MeV Synchrotron Radiation Photons"
G. Kulipanov, N. Mezentsev, A. Skrinsky
New Research Opportunity for Using MeV-Range Synchrotron Radiation: The Proceedings for 5th Mini-Workshop in Osaka, , (2000), 23-32
- [233] "Development and Installation of Skew Quadrupole Magnets for SPring-8 Storage Ring"
K. Kumagai, N. Kumagai, K. Soutome, H. Tanaka, C. Zhang
Proceedings of the 7th European Particle Accelerator Conference, **3**, (2000), 2104-2106
- [234] "Status of ISTC Projects No.767: 10Tesla Wiggler for SPring-8"
N. Mezentsev
New Research Opportunity for Using MeV-Range Synchrotron Radiation: The Proceedings for 5th Mini-Workshop in Osaka, , (2000), 5-22
- [235] "Operation Status of the SPring-8 Storage Ring"
H. Ohkuma, S. Date, N. Kumagami, M. Masaki, T. Nakamura, T. Ohshima, K. Soutome, S. Takano, K. Tamura, H. Tanaka
Proceedings of the 7th European Particle Accelerator Conference, **1**, (2000), 672-674
- [236] "Target-Moderator System for Slow Positron Source on Base of 10 Tesla Wiggler"
V. Plokhoi
New Research Opportunity for Using MeV-Range Synchrotron Radiation: The Proceedings for 5th Mini-Workshop in Osaka, , (2000), 43-50

- [237] "Ground Vibration Problems at the Light Sources"
S. Sharma, C. Doose, G. Portman, L. Zhang, K. Tsumaki, D. J. Wang
Proceeding of the 22nd Advanced ICFA Beam Dynamics Workshop on Ground Motion in Future Accelerators, , (2000), Report:SLAC-WP-18:39
- [238] "Perturbative Approach to Nonlinear Chromaticity of a Circular Accelerator"
M. Takao, K. Soutome, H. Tanaka
Proceedings of the 7th European Particle Accelerator Conference, **2**, (2000), 1083-1085
- [239] "Touschek Lifetime and Momentum Aperture of the SPring-8 Storage Ring"
M. Takao, K. Soutome, H. Tanaka
Proceedings of the 7th European Particle Accelerator Conference, **2**, (2000), 1569-1571
- [240] "Long Term Variation of the Circumference of the SPring-8 Storage Ring"
M. Takao, T. Shimada
Proceedings of the 7th European Particle Accelerator Conference, **2**, (2000), 1572-1574
- [241] "Optimization of Optics with Four Long Straight Sections of 30m for SPring-8 Storage Ring"
H. Tanaka, K. Kumagai, N. Kumagai, H. Ohkuma, K. Soutome, M. Takao, J. Schimizu
Proceedings of the 7th European Particle Accelerator Conference, **2**, (2000), 1086-1088
- [242] "Estimation of Vertical Emittance in an Electron Storage Ring with Vertical Dispersion as a Probe"
H. Tanaka, K. Kumagai, N. Kumagai, M. Masaki, H. Ohkuma, K. Soutome, M. Takao
Proceedings of the 7th European Particle Accelerator Conference, **2**, (2000), 1575-1577
- [243] "Deterioration of Magnet Flow Switch"
K. Tsumaki
Proceeding of the 6th Symposium on Power Supply Technology for Accelerators, , (2000), 205
- [244] "Signal Processor for BPM using Log Amplifier-Detector"
K. Yanagida, T. Asaka, H. Hanaki, T. Hori, T. Kobayashi, A. Mizuno, S. Suzuki, T. Takashima, T. Taniuchi
Proceedings of the 25th Linear Accelerator Meeting in Japan, , (2000), 114-116
- [245] "A BPM System for the SPring-8 LINAC"
Y. Yanagita, T. Asaka, H. Hanaki, T. Hori, T. Kobayashi, A. Mizuno, S. Suzuki, T. Takashima, T. Taniguchi
Proceedings of the 20th International Linac Conference, , (2000), 190-192
- [2001]
- [246] "Status of the SPring-8 Linac"
H. Hanaki, T. Asaka, H. Dewa, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida
Proceedings of the 26th Linear Accelerator Meeting in Japan, , (2001),
- [247] "Timing System at SPring-8"
Y. Kawashima,
Proceedings of the 13th Symposium on Accelerator Science and Technology, , (2001), 140-144
- [248] "Beam Size Measurement of the SPring-8 Storage Ring by Two-Dimensional Interferometer"
M. Masaki, S. Takano
Proceedings of the 5th European Workshop on Beam Diagnostics & Instrumentation, , (2001), 142-144
- [249] "Suppression of Coherent Synchrotron Oscillation of the SPring-8 Storage Ring"
T. Ohshima, N. Kumagai
PAC2001, Proceedings of the 2001 Particle Accelerator Conference, **3**, (2001), 1975-1977
- [250] "Vibration Measurement of the SPring-8 Storage Ring"
K. Tsumaki, N. Kumagai
PAC2001, Proceedings of the 2001 Particle Accelerator Conference, , (2001), 1482-1484
- [251] "Magnet Girder for the SPring-8 Storage Ring"
K. Tsumaki, K. Hasegawa
Proceedings of the 13th Symposium on Accelerator Science and Technology, , (2001), 268-270
- [2002]
- [252] "Development of a High Intensity Optically-Pumped Far Infrared Laser For Production of γ -Ray by Inverse Compton Scattering"
Y. Arimoto, H. Ohkuma, Y. Sato, S. Suzuki, K. Tamura, S. Okajima
光・量子デバイス研究会 資料, **OQD-02-24**, (2002), 63-67

- [253] "Ejected Beam Emittance of the SPring-8 Booster Synchrotron"
K. Fukami, T. Aoki, T. Asaka, N. Hosoda, T. Nakazato, T. Ohshima, S. Sasaki, M. Shoji, H. Yonehara, C. Zhang
Proceedings of EPAC 2002 CD-ROM, , (2002), 1888-1890
- [254] "Status of the SPring-8 Linac"
H. Hanaki, T. Asaka, H. Dewa, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida
Proceedings of the 27th Linear Accelerator Meeting in Japan, , (2002),
- [255] "Development of Beam Deflector (2)"
T. Kobayashi, T. Asaka, H. Hanaki, S. Suzuki, A. Mizuno, T. Taniuchi, K. Yanagida, H. Dewa, H. Tomizawa
Proceedings of the 27th Linear Accelerator Meeting in Japan, , (2002),
- [256] "Beam Deflector for SPring-8 Linac"
T. Kobayashi, T. Asaka, H. Dewa, H. Hanaki, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida
Proceedings of EPAC 2002, , (2002), 2685-2687
- [257] "Observation of Beam Orbit Fluctuation with Forced-Vibrating Magnets and Vacuum Chambers "
T. Nakazato, S. Date, K. Fukami, S. Matsui, T. Magome, M. Oishi, K. Soutome, H. Tanaka, T. Yorita
Proceedings of the 2nd International Workshop on Mechanical Engineering Design of Synchrotron Radiation Equipment and Instrumentation (MEDSI02), , (2002),
- [258] "Machine Troubles during User Time at the SPring-8"
T. Ohshima,
Accelerator Reliability Workshop Proceedings, , (2002),
- [259] "Beam Based Calibration of BPM Position Sensitivity at SPring-8 Storage Ring"
S. Sasaki, K. Soutome, H. Tanaka
Proceedings of the 10th Beam Instrumentation Workshop, , (2002), 425-432
- [260] "Beam Decoherence due to Combination of Wake Force and Nonlinearity in SPring-8 Storage Ring"
J. Schimizu, K. Soutome, M. Takao, H. Tanaka
Proceedings of the 8th European Particle Accelerator Conference, , (2002), 1287-1289
- [261] "Stability Improvement of the SPring-8 LINAC"
S. Suzuki, T. Asaka, H. Dewa, T. Kobayashi, A. Mizuno, T. Taniuchi, H. Tomizawa, K. Yanagida, H. Hanaki
Proceedings of LINAC2002, , (2002), 317-319
- [262] "Observation of Ion Effects at the SPring-8 Storage Ring"
M. Takao, H. Ego, Y. Kawashima, Y. Ohashi, T. Ohshima, H. Saeki
Proceedings of EPAC 2002, , (2002), 1562-1564
- [263] "Simple Calculation Method of Distributed Momentum Acceptance along an Electron Storage Ring"
H. Tanaka, J. Schimizu, K. Soutome, M. Takao
Proceedings of the 8th European Particle Accelerator Conference, , (2002), 1305-1307
- [264] "Improvement of Beam Stability of SPring-8 Storage Ring by Symmetry-Restoration"
H. Tanaka, N. Kumagai, S. Matsui, J. Schimizu, K. Soutome, M. Takao, H. Takebe, K. Tsumaki
Proceedings of the 8th European Particle Accelerator Conference, , (2002), 1196-1198
- [265] "Characteristics of a Photocathode RF Gun in Higher Field Gradient"
T. Taniuchi, T. Asaka, H. Dewa, T. Kobayashi, A. Mizuno, S. Suzuki, H. Tomizawa, K. Yanagida, H. Hanaki
Proceedings of LINAC2002, , (2002), 683-685
- [266] "S P r i n g - 8 フォトカソードRF電子銃における電子ビームの低エミッタンス化"
H. Tomizawa, H. Dewa, T. Taniuchi, A. Mizuno, T. Asaka, K. Yanagida, S. Suzuki, T. Kobayashi, H. Hanaki
Proceedings of the 27th Linear Accelerator Meeting in Japan, , (2002), 60-62
- [267] "Reduction of Electron-Beam Emittance with Shaping both Spatial and Temporal Profiles of UV-Laser Light Source for Photo-Cathode RF Gun"
H. Tomizawa, H. Dewa, T. Taniuchi, A. Mizuno, T. Asaka, K. Yanagida, S. Suzuki, T. Kobayashi, H. Hanaki
Proceedings of the 8th European Particle Accelerator Conference, **2**, (2002), 1819-1821
- [268] "Leakage Field Measurements of DC Septum Magnets for the SPring-8 Storage Ring"
K. Tsumaki, K. Fukami, K. Kajimoto, N. Kumagai, H. Yonehara, T. Shimada
Proceedings of the 8th European Particle Accelerator Conference, , (2002), 766-768
- [269] "Magnet Rearrangement for 30 m Long Straight Sections in the SPring-8 Storage Ring"
K. Tsumaki, S. Matsui, C. Zhang, H. Takebe, K. Kumagai, T. Nakazato, H. Yonehara, N. Kumagai
Proceedings of the 7th International Workshop on Accelerator Alignment, , (2002), 590-603

- [270] "Magnet Alignment Method, Alignment Results and Closed Orbit Distortion for the SPring-8 Storage Ring"
K. Tsumaki
Proceedings of the 7th International Workshop on Accelerator Alignment, , (2002), 209-217
- [271] "Installation of the SPring-8 LINCA BPM System"
K. Yanagida, T. Asaka, H. Dewa, T. Fukui, H. Hanaki, T. Kobayashi, T. Masuda, A. Mizuno, S. Suzuki, R. Tanaka, T. Taniuchi, H. Tomizawa, A. Yamashita
XXI International Linear Accelerator Conference Proceedings, , (2002),
- [272] "Beam Position Measurement Using SPring-8 Linac BPM System"
K. Yanagida
Proceedings of the 27th Linear Accelerator Meeting in Japan, , (2002),
- [273] "Installation of the SPring-8 LINAC BPM System"
K. Yanagida, T. Asaka, H. Dewa, T. Fukui, H. Hanaki, T. Kobayashi, T. Masuda, A. Mizuno, S. Suzuki, R. Tanaka, T. Taniuchi, H. Tomizawa, A. Yamashita
Proceedings of LINAC2002, , (2002), 446-448
- [274] "Primary Hydrokinetics Study and Experiment on the Hydrostatic Leveling System"
C. Zhang, K. Fukami, S. Matsui
Proceedings of the 7th International Workshop on Accelerator Alignment, , (2002),
[2003]
- [275] "UV Laser Source for Photocathode RF Electron Gun at SPring-8"
H. Dewa
Proceedings of APLS 2002 The third Asian Pacific Laser Symposium, , (2003), 618-621
- [276] "Status of the SPring-8 Linac"
H. Hanaki, T. Asaka, H. Dewa, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida
Proceedings of the 28th Linear Accelerator Meeting in Japan, , (2003),
- [277] "Generation of High-Energy Synchrotron Radiation with a 10-T Superconducting Wiggler Installed in the SPring-8 Storage Ring"
K. Soutome, S. Date, H. Ego, T. Fukui, M. Hara, N. Hosoda, Y. Kawashima, M. Kodera, N. Kumagai, T. Magome, M. Masaki, T. Masuda, S. Matsui, T. Nakamura, T. Noda, Y. Ohashi, T. Oshima, M. Oishi, H. Saeki, S. Sasaki, M. Shoji, S. Takano, M. Takao, T. Takashima, H. Takebe, K. Tamura, H. Tanaka, Y. Taniuchi, K. Tsumaki, T. Yorita, C. Zhang, H. Yonehara, J. Shimizu, A. Batrakov, G. Karpov, G. Kulipanov, M. Kuzin, V. Shkaruba, A. Skrinsky, N. Mezentsev
Proceeding of the Particle Accelerator Conference, , (2003),
- [278] "Radiation Measurement Around A 10-T Superconducting Wiggler at SPring-8"
M. Shoji, K. Soutome, N. Kumagai, J. Tada, T. Magome, M. Oishi, T. Ohshima, S. Sasaki, M. Takao, T. Takagi, K. Tsumaki, T. Yorita, H. Yonehara, Y. Asano
Proceedings of the 20th Particle Accelerator Conference, , (2003),
- [279] "A Beam Profile Monitor Based on an X-Ray Zone Plate of the SPring-8 Storage Ring"
S. Takano, M. Masaki, K. Tamura, H. Ohkuma
Proceedings of the 14th Symposium on Accelerator Science and Technology, , (2003),
- [280] "Beam Orbit Stabilization at the SPring-8 Storage Ring"
H. Tanaka, H. Aoyagi, S. Date, K. Fukami, T. Fukui, T. Kudo, N. Kumagai, S. Matsui, T. Nakatani, T. Nakazato, M. Oishi, H. Ohkuma, T. Oshima, S. Sasaki, M. Shoji, K. Soutome, M. Takao, T. Takashima, H. Takebe, K. Tsumaki, H. Yonehara, T. Yorita, C. Zhang
Proceeding of the 7th International Workshop on Accelerator Alignment, , (2003),
- [281] "Magnet-Related Failure Experiences at the SPring-8 Storage Ring"
K. Tsumaki, N. Kumagai, S. Matsui, M. Ohishi, H. Yonehara, T. Tateishi, Y. Torii
Proceedings of the 2003 Particle Accelerator Conference, , (2003), 884-886
- [282] "Measurement System of Environmental Quantities for the SPring-8 Storage Ring"
K. Tsumaki, T. Shimada, K. Kumagai, H. Takebe, N. Kumagai
Proceedings of the 14th Symposium on Accelerator Science and Technology, , (2003), 617-619
[2004]
- [283] "Status of the SPring-8 Linac"
H. Hanaki, T. Asaka, H. Dewa, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa, K. Yanagida
Proceedings of the 29th Linear Accelerator Meeting in Japan, , (2004),

- [284] "Radiation Damage of Magnet Coils Due to Synchrotron Radiation"
K. Tsumaki, S. Matsui, M. Ohishi, T. Yorita, T. Shibata, T. Tateishi
Proceedings of European Particle Accelerator Conference, , (2004), 2356-2358
- [285] "Beam Instrumentation using BPM System of the SPring-8 LINAC"
K. Yanagida, T. Asaka, H. Dewa, H. Hanaki, T. Kobayashi, A. Mizuno, S. Suzuki, T. Taniuchi, H. Tomizawa
Proceedings of the 2004 International LINAC Conference, , (2004), 444-446

Control

Refereed Papers

[1997]

- [1] "Design and Performance of the Network System for the Storage Ring Control at SPring-8"
T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, R. Tanaka, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 312-314
- [2] "Data Acquisition System with Database at the SPring-8 Storage Ring"
A. Taketani, T. Fukui, K. Kobayashi, T. Masuda, R. Tanaka, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 437-439
- [3] "The First Operation of Control System at the SPring-8 Storage Ring"
R. Tanaka, T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, T. Wada, A. Yamashita
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 1-4
- [4] "The Database System for the SPring-8 Storage Ring Control"
A. Yamashita, T. Fukui, K. Kobayashi, T. Masuda, A. Taketani, R. Tanaka, T. Wada
Proceedings of the 1997 International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 97), , (1997), 427-429

[1998]

- [5] "SPring-8 Beamline Control System"
T. Ohata, H. Konishi, H. Kimura, Y. Furukawa, K. Tamasaku, T. Nakatani, T. Tanabe, N. Matsumoto, M. Ishii, T. Ishikawa
Journal of Synchrotron Radiation, **5**, (1998), 590-592

[1999]

- [6] "SPring-8 Beamline Control System"
T. Ohata, T. Fukui, Y. Furukawa, M. Ishii, M. Kodera, T. Masuda, T. Matsushita, T. Nakatani, M. Takeuchi, K. Tamasaku, R. Tanaka, A. Yamashita
Proceedings of the 7th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 99), , (1999), 666

[2001]

- [7] "Toward a Reliable Gigabit Network—An Upgrade of the SPring-8 Network"
T. Fukui, M. Ishii, R. Tanaka, T. Masuda, T. Ohata
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), physics/0111059
- [8] "Development of an Interpreter Program for an Equipment Control"
Y. Furukawa, M. Ishii, T. Nakatani, T. Ohata
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), physics/0111050
- [9] "Upgrade of SPring-8 Beamline Network with VLAN Technology over Gigabit Ethernet"
M. Ishii, T. Fukui, Y. Furukawa, T. Nakatani, T. Ohata, R. Tanaka
Proceedings of the 8th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2001), , (2001), cs.NI/0111027
- [10] "Beamline Interlock System and rfBPM Interlock System in SPring-8"
T. Matsushita, T. Nakatani, Y. Ishizawa, T. Ohata, Y. Furukawa, M. Takeuchi, M. Ishii, H. Kimura, S. Goto, K. Takeshita, T. Kudo, T. Takagi, T. Ishikawa
Nuclear Instruments and Methods in Physics Research Section A, **467-468**, (2001), 816-819