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(1)Nihon University  
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- [TP63](#) Present Status of UVSOR-II Free Electron Laser  
M. Hosaka, M. Katoh, A. Mochihashi, M. Shimada, J. Yamazaki (Institute for Molecular Science) T. Hara (RIKEN) Y. Takashima (Nagoya U.)
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Yoshiyuki Iwata, Hirotsugu Ogawa (NIRS)  
Yoshikazu Yoshida (Toyo University)  
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Arne Drentje (KVI)
- [TP65](#) Development of Nanometer Resolution Cavity BPM  
Yoichi Inoue, Masato Higuchi, Hino Toru • Tohoku Gakuin University  
Hitoshi Hayano, Toshiaki Tauchi, Yosuke Honda • KEK  
Philippe Doublet • Ecole Normale Supérieure de Cachan
- [TP66](#) Development of Shift Summary System at Spring-8  
Toshio Ohnishi • SPring-8 Service Co., Ltd.,  
Masaru Takao • Japan Synchrotron Radiation Research Institute ,  
Takashi Ohshima • Japan Synchrotron Radiation Research Institute ,  
Haruo Okuma • Japan Synchrotron Radiation Research Institute
- [TP67](#) Laser Undulator Compact X-ray source (LUCX) using pulsed-laser stacking cavity  
Kazuyuki SAKAUE, Masakazu WASHIO: Advanced Research Institute for Science and Engineering, Waseda University  
Sakae ARAKI, Junji URAKAWA, Nobuhiro TERUNUMA, Takashi TANIGUCHI, Yasuo HIGASHI, Koichiro HIRANO, Masafumi FUKUDA, Yosuke HONDA, Toshiya MUTO, Yoshio Yamazaki, Liu Shengguang: High Energy Accelerator Research Organization  
Noboru SASAO, Hirokazu YOKOYAMA: Department of Physics, Kyoto University  
Mikio TAKANO: Saube
- [TP68](#) Project of intent light sources in the terahertz region with the  
Norihito Sei, Hiroshi Ogawa, Masato Yasumoto, Hiroyuki Toyokawa, Ryunosuke Kuroda, Masaki Koike, Kawakatsu Yamada,  
(Research Institute of Instrumentation Frontier, National Institute of Advanced Industrial Science and Technology),  
Fumio Sakai, Terunobu Nakajyo, Tatsuya Yanagida,  
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- [TP69](#) Development of High Brightness Soft X-ray Source Based on Inverse Compton  
Ryo Moriyama, Yoshio Kamiya, Kazuyuki Sakaue, Tomoko Gowa, Akihiko Masuda, Masakazu Washio • Advanced Research Institute for Science and Engineering, Waseda University  
Ryunosuke Kuroda • National Institute of Advanced Industrial Science and Technology  
Shigeru Kashiwagi • Institute of Science and Industrial Research, Osaka University  
Hitoshi Hayano, Junji Urakawa • High Energy Accelerator Research Organization  
Kiminori Ushida • RIKEN

- [TP70](#) Insertion Device Control system  
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J.Yamazaki, K.Hayashi
- [TP71](#) Design of a mobile superconducting accelerator for positron lifetime spectroscopy  
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- [TP72](#) Electron gun characteristics for an X-rays generator  
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Accelerator Laboratory, High Energy Accelerator Research Organization(KEK)  
Koich Kanno  
AET, Inc.
- [TP73](#) Development of Compact Picosecond Pulse Radiolysis System at Waseda University  
Hiroyuki Nagai<sup>1</sup>, Masaaki Kawaguchi<sup>1</sup>, Keita Komiyama<sup>1</sup>, Tomoaki Nomoto<sup>1</sup>, Kazuyuki Sakae<sup>1</sup>, Yoshio  
Kamiya<sup>1</sup>, Kiminori Ushida<sup>2</sup>, Shigeru Kaswhiwagi<sup>3</sup>, Ryunosuke Kuroda<sup>4</sup>, Yoshimasa Hama<sup>1</sup>, Masakazu  
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1,Advanced Research Institute for Science and Engineering, Waseda University  
2,The Institute of Physical and Chemical Research  
3,The Institute of Scientific and Industrial Research, Osaka University  
4,National Institute of Advanced Industrial Science and Technology
- [TP74](#) Development of Indirect-Cooling Radiation-Resistant Magnets  
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Yamanoi, Hiroaki Watanabe (KEK)
- [TP75](#) Application of hard X-ray generated by laser Compton scattering to refraction contrast imaging  
Masato Yasumoto<sup>1</sup>, Ryunosuke Kuroda<sup>1</sup>, Hiroyuki Toyokawa<sup>1</sup>, Norihiro Sei<sup>1</sup>, Hiroshi Ogawa<sup>1</sup>, Masahito  
Tanaka<sup>1</sup>, Hiromi Ikeura<sup>1</sup>, Masaki Koike<sup>1</sup>, Kawakatsu Yamada<sup>1</sup>, Fumio Sakai<sup>2</sup>, Terunobu Nakajou<sup>2</sup>,  
Tatsuya Yanagida<sup>2</sup>  
1AIST, 2Sumitomo Heavy Industries, Ltd.
- [TP76](#) High-energy Gamma-ray CT with Laser-Compton Photon Beam  
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- [TP77](#) Development of double-decker electron beam accelerator and its application for pulse radiolysis  
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- [TP78](#) Development Plan of Prototype Accelerator for IFMIF  
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Japan Atomic Energy Agency
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Hokuto Iijima, Ryoji Nagai, Ryoichi Hajima, Eisuke J. Minehara
- [TP80](#) Development of 950 keV X-band Linac for Nondestructive Inspection  
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UESAKAYA), Tshiyasu HIGOB), Shigeki FUKUDAB), Mitsuo AKEMOTOB), Eiji TANABEC), Seiki  
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- [FP01](#) Bunch compression using the transport line and short bunch revolving in NewSUBARU  
Shinsuke Suzuki and Takao Asaka  
Japan Synchrotron Radiation Research Institute (JASRI), SPring-8  
Takahiro Matsubara, Shintarou Hisao, and Yoshihiko Shoji  
Laboratory of Advanced Science and Technology for Industry (LASTI), University of Hyogo
- [FP02](#) Utilization of BPM for operating and controlling the LEBRA linac  
Ken Hayakawa; Institute of Quantum Science, Nihon University,  
Kenichiro Ishiwata; Graduate School of Science and Technology Nihon University (present affiliation: Nihon University of College of HUMANITY AND SCIENCES),  
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Yasushi Hayakawa; Institute of Quantum Science, Nihon University,  
Takeshi Sakai; Advanced Research Institute for the Sciences and Humanities, Nihon University,  
Kyoko Nogami; Institute of Quantum Science, Nihon University,  
Keisuke Nakao; Institute of Quantum Science, Nihon University,  
Manabu Inagaki; Advanced Research Institute for the Sciences and Humanities, Nihon University,  
Isamu Sato; Advanced Research Institute for the Sciences and Humanities, Nihon University
- [FP03](#) Design of the Fast Beam Switch System at KEK Linac  
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- [FP04](#) Design of an injector for the ERL test facility  
R. Hajima, R. Nagai, H. Iijima, T. Nishitani, N. Nishimori (JAEA ERL), S. Osawa (KEK Acc), S. Sakanaka, T. Miyajima (KEK PF)
- [FP05](#) Development of Wire Position Monitor(WPM) for STF Cryomodule  
Naoko Sato(Tohoku Gakuin University)  
Masato Higuchi(Tohoku Gakuin University)  
Hitoshi Hayano(High Energy Accelerator Research Organization(KEK))
- [FP06](#) Development of the event-synchronized data acquisition system  
Takemasa Masuda(JASRI/SPring-8)  
Toru Fukui(JASRI/SPring-8)  
Ryotaro Tanaka(JASRI/SPring-8)  
Akihiro Yamashita(JASRI/SPring-8)  
Ken-ichi Yanagida(JASRI/SPring-8)
- [FP07](#) Control system of the KEK Laser Undulator Compact X-ray source (LUCX)  
Sakae ARAKI(1, Junichi ODAGIRI(1, Junji URAKAWA(1, Kazuyuki SAKAUE(2, Mikio TAKANO(3, Nobuhiro TERUNUMA(1, Masafumi FUKUDA(1, Yosuke HONDA(1, Toshiya MUTO(1, LIU Shengguang(1,  
(1)High Energy Accelerator Research Organization,(2)Advanced Research Institute for Science and Engineering, Waseda University,(3)Saube
- [FP08](#) Improvement of Water Cooling System for LEBRA Linac  
Takeshi Sakai;Advanced Research Institute for the Sciences and Humanities, Nihon University  
Toshinari Tanaka;Institute of Quantum Science, Nihon University  
Ken Hayakawa;Institute of Quantum Science, Nihon University  
Yasushi Hayakawa;Institute of Quantum Science, Nihon University  
Kyoko Nogami;Institute of Quantum Science, Nihon University  
Keisuke Nakao;Institute of Quantum Science, Nihon University  
Manabu Inagaki;Advanced Research Institute for the Sciences and Humanities, Nihon University  
Isamu Sato;Advanced Research Institute for the Sciences and Humanities, Nihon University
- [FP09](#) Bayesian approach to estimate of failure rate of compact He refrigerators  
JAEA Nobuhiro Kikuzawa
- [FP10](#) Temperature Measurement System for KEK Linac  
Yoshiharu Yano, Mituo Ikeda, Shigeki Fukuda ; KEK, Shiro Kusano ; Mitsubishi Electric System & Service Co., Ltd.

- [FP11](#) Lattice Design of Multi-energy Injector Linac for KEKB and PF ring.  
Y. Ohnishi, M. Kikuchi, N. Iida, M. Satoh, K. Furukawa, T. Kamitani, K. Yokoyama, and Y. Ogawa • KEK
- [FP12](#) Development of Data Archive System using EPICS tool at the KEK Linac)  
Shiro Kusano, Mitsubishi Electric System & Service Co., Ltd  
Kazuro Furukawa, Masanori Satoh, KEK
- [FP13](#) Operation Watchdog software for the KEK Injector Linac  
Takuya Kudou(A), Shiro Kusano(A), Kazuro Furukawa(B), Tsuyoshi Suwada(B), Masanori Satoh(B)  
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B)High Energy Accelerator Research Organization 1-1 Oho, Tsukuba, Ibaraki 305-0801
- [FP14](#) Development of Automatic Beam Alignment System for the LEBRA Linac  
Keisuke NAKAO; Laboratory for Electron Beam Research and Application (LEBRA), Nihon University,  
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Kyoko Nogami; Laboratory for Electron Beam Research and Application (LEBRA), Nihon University,  
Manabu Inagaki; Advanced Research Institute for the Science and Humanities, Nihon Univ.
- [FP15](#) Timing Constraints on ILC  
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Tsuyoshi Suwada , Eiichi Kadokura, Masanori Satoh, and Kazuro Furukawa  
Accelerator Laboratory, High Energy Accelerator Research Organization,  
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- [FP17](#) Development of the Fast Kicker System for ILC  
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- [FP18](#) Design and Construction of New beam transport line from LINAC to Photon Factory in KEK  
Naoko Iida, Mitsuo Kikuchi, Mitsuo Ikeda, Yujiro Ogawa, Kazuhisa Kakihara, Takuya Kamitani, Yukinori  
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Tsumoru Shintake, Yuji Otake, Kazuaki Togawa; SPring-8/RIKEN
- [FP20](#) Rebuncher resonator between RRC and fRC in RIKEN  
Takamichi Aoki The Univ. of Tokyo  
Osamu Kamigaito RIKEN  
Nobuhisa Fukunishi RIKEN  
Naruhiko Sakamoto RIKEN  
Lukas Stingelin RIKEN  
Akira Goto RIKEN
- [FP21](#) Manufacturing of the C-band Chord-Mode Type Accelerating Structure for SASE-FEL of RIKEN  
Sadao Miura • Mitsubishi Heavy Industries, Ltd.  
Tsumoru Shintake • SPring-8 / RIKEN Harima Institute  
Takahiro Inagaki • SPring-8 / RIKEN Harima Institute  
Hiroshi Matsumoto • High Energy Accelerator Research Organization, KEK
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Hattori



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• High Energy Accelerator Research Organization Accelerator Laboratory
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Institute of Advanced Energy, Kyoto University
- [FP31](#) Output Properties of IOT RF Sources  
Masaru Sawamura (JAEA)
- [FP32](#) Development of C-band Integrated Waveguide Circuit  
ATSUSHI, Miura, Nihon Kosyuha Co.LTD  
KIBATSU, Shinohara, Nihon Kosyuha Co.LTD  
TSUMORU, Shintake, RIKEN Harima institute SPring-8  
TAKAHIRO, Inagaki, RIKEN Harima institute SPring-8  
SHIRASAWA, Katsutoshi, RIKEN Harima institute SPring-8
- [FP33](#) Phase stability measurement of a conventional analog phi-A type low-level RF controller  
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Shigeki Fukuda, Shinichiro Michizono, Mitsuhiro Yoshida, Syuji Matsumoto, Katsumi Nakao: KEK,  
Yong Wang : Chinese Academy of Sciences
- [FP35](#) Development of PPM X-Band klystron  
Shuji Matsumoto, Mitsuo Akemoto, Shigeki Fukuda, Toshiyasu Higo, Hiroyuki Honma, Sergey Kazakov, Noboru Kudo, Hiromitsu Nakajima, Tetsuo Shidara, Mitsuhiro Yoshida (KEK, Ibaraki)
- [FP36](#) Development of Compact Klystron Drive System  
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- [FP37](#) Maintenance Activity of RF Sources in KEK Electron-Positron Linac(II)  
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- [FP38](#) A High Power Waveguide Switching System for SPring-8 Linac  
Tsutomu TANIUCHI, Takao ASAKA, Toshiaki KOBAYASHI, Shinsuke SUZUKI, Hiromitsu TOMIZAWA, Hideki DEWA, Akihiko MIZUNO, Hirofumi HANAKI 1), Atsushi MIURA, Kibatsu SHINOHARA 2)
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- [FP42](#) Frequency tuning of an accelerating mode in STF Baseline SC Cavities  
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- [FP45](#) Conceptual Design of the Compact and Industrial ERL-FEL  
Eisuke J. Minehara, Japan Atomic Energy Agency
- [FP46](#) High order Mode study of superconducting Cavity for ILC baseline  
Ken Watanabe:sokendai,Hitoshi hayano,Shuichi Noguchi,Eiji kako,Toshorou Shishido:KEK
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Masaki Osakabe, Kenichi Nagaoka, Yasuhiko Takeiri, Osamu Kaneko (National Institute for Fusion Science)
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Tetsuo Shidara, Shigeki Fukuda;KEK
- [FP49](#) CONSTRUCTION OF THE RF SYSTEM FOR FRC IN RIBF  
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- [FP50](#) Study of new flat-top resonator for the RIKEN Ring Cyclotron  
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Kamigaito Osamu • RIKEN,  
Sakamoto Naruhiko • RIKEN,  
Stingelin Lukas • RIKEN,  
Yano Yasushige • RIKEN,
- [FP51](#) Behavior of synchronous phase angle at sudden RF voltage change  
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- [FP52](#) Orbit Correction for S-LSR Dispersion Free Mode  
Hikaru Souda, Mikio Tanabe, Shinji Fujimoto (Sci. Kyoto Univ.)  
Hicham Fadil (MPI)  
Masahiro Ikegami, Toshiyuki Shirai, Akira Noda (ICR, Kyoto Univ.)
- [FP53](#) Momentum Acceptance in the Low Emittance Optics at the SPring-8 Storage Ring  
Masaru Takao 1, Hitoshi Tanaka 1, Koichi Soutome 1, Jun Schimizu 1,2  
1 JASRI/SPring-8, 2 The Japan Research Institute Limited
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Kosuke Suzumura • Nagoya U.,  
Masahiro Katoh • UVSOR,  
Yoshifumi Takashima • Nagoya U.,  
Masahito Hosaka • UVSOR,  
Akira Mochihashi • UVSOR,  
Jun-ichiro Yamazaki • UVSOR,  
Kenji Hayashi • UVSOR,  
Miho Shimada • UVSOR
- [FP55](#) BPM displacement measurement by gap-sensors at KEKB  
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(High Energy Accelerator Research Organization)
- [FP56](#) Development of the central region for control of a beam phase width at the JAEA AVF cyclotron  
Nobumasa Miyawaki, Susumu Okumura, Satoshi Kurashima, Hirotsugu Kashiwagi, Ken-ichi Yoshida, Ikuo Ishibori, Yosuke Yuri, Takayuki Nara, Takashi Agematsu (Takasaki Advanced Radiation Research Institute, Japan Atomic Energy Agency)  
Mitsuhiro Fukuda (Research Center for Nuclear Physics, Osaka Univ.)
- [FP57](#) Beam Based BPM Alignment at SAGA Light Source  
Yoshitaka Iwasaki, Yuichi Takabayashi, Shigeru Koda, Katsuhide Yoshida, Takio Tomimasu, Kyushu Synchrotron Light Research Center  
Hideaki Ohgaki, Institute of Advanced Energy, Kyoto University
- [FP58](#) Study on large-area uniform ion beam formation using multipole magnets  
Yosuke Yuri, Nobumasa Miyawaki, Tomihiro Kamiya, Watalu Yokota, Kazuo Arakawa, Takashi Agematsu, Ikuo Ishibori, Hirotsugu Kashiwagi, Satoshi Kurashima, Takayuki Nara, Susumu Okumura, Ken-ichi Yoshida (Takasaki Advanced Radiation Research Institute, Japan Atomic Energy Agency)  
Mitsuhiro Fukuda (Research Center for Nuclear Physics, Osaka Univ.)
- [FP59](#) Performance test of a high-performance digital BPM system  
Isao Ito, Norio Nakamura, Hiroyuki Takaki, Hiroshi Sakai, Takashi Shibuya, Kenji Shinoe, Hirofumi Kudo, Atushi Ishii; Synchrotron Radiation Laboratory, Institute for Solid State Physics, the University of Tokyo,
- [FP60](#) Measurement of the beam energy spread at the JAEA AVF cyclotron  
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- [FP61](#) Status of KEKB Accelerators Control System in 2006  
Tatsuro Nakamura, Kazuro Furukawa, Noboru Yamamoto, Atsuyoshi Akiyama, Ichitaka Komada, Jun-ichi Odagiri,  
KEK,  
Kenji Yoshii, Takuya Nakamura,  
Mitsubishi Electric System & Service Engineering Co. Ltd.
- [FP62](#) Development of EPICS Device/driver Support Modules for Network-based Devices  
Jun-ichi Odagiri<sup>1</sup>, Atsuyoshi Akiyama<sup>1</sup>, Tetsuo Abe<sup>1</sup>, Sakae Araki<sup>1</sup>, Takashi Obina<sup>1</sup>, Tadahiko Katoh<sup>1</sup>,  
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- [FP64](#) Control System for the RIKEN RI-Beam Factory  
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Masaki Fujimaki · RIKEN  
Masayuki Kase · RIKEN  
Akito Uchiyama · SHI Accelerator Service, Ltd.  
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K.Noda; NIRS  
A.Noda, T.Shirai, H.Tongu; Kyoto University
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OKoji Miyamoto, Yasushi Okuda, Naoki Kawamura, Masao Asako, NICHIZOU ELECTRONIC &  
CONTROL Corporation
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Koji Tsumaki, JASRI/SPring-8
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Kenro Mitsui /Research and Development Institute, TAKENAKA Corporation  
Toshio Hashiba /Tokyo Main Office, TAKENAKA Corporation
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Kazunobu Matsumoto, Osamu Makishima, Osamu Hirimuta, Akifumi Takeuchi: Tobishima Corporation
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Z.Fang, Y.Fukui, M.Kawamura, S.Yamaguchi, S.Anami, KEK

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