

## Publication List

### A. Original Papers

1. T. Uesaka, S. Shimoura, H. Sakai: “The SHARAQ spectrometer”, Prog. of Theor. and Exp. Phys. **2012** (2012) 03C007.
2. S. Takeuchi, M. Matsushita, N. Aoi, P. Doornenbal, K. Li, T. Motobayashi, H. Scheit, D. Steppenbeck, H. Wang, H. Baba, D. Bazin, L. Caceres, H. Crawford, P. Fallon, R. Gernhauser, J. Gibelin, S. Go, S. Grevy, C. Hinke, C. R. Hoffman, R. Hughes, E. Ideguchi, D. Jenkins, N. Kobayashi, Y. Kondo, R. Krucken, T. Le Bleis, J. Lee, G. Lee, A. Matta, S. Michimasa, T. Nakamura, S. Ota, M. Petri, T. Sako, H. Sakurai, S. Shimoura, K. Steiger, K. Takahashi, M. Takechi, Y. Togano, R. Winkler, K. Yoneda: “Well Developed Deformation in  $^{42}\text{Si}$ ”, Phys. Rev. Lett. **109** (2012) 182501.
3. K. Tshoo, Y. Satou, H. Bhang, S. Choi, T. Nakamura, Y. Kondo, S. Deguchi, Y. Kawada, N. Kobayashi, Y. Nakayama, K. N. Tanaka, N. Tanaka, N. Aoi, M. Ishihara, T. Motobayashi, H. Otsu, H. Sakurai, S. Takeuchi, Y. Togano, K. Yoneda, Z. H. Li, F. Delaunay, J. Gibelin, F.M. Marques, N.A. Orr, T. Honda, M. Matsushita, T. Kobayashi, Y. Miyashita, T. Sumikama, K. Yoshinaga, S. Shimoura, D. Sohler, T. Zheng, Z.X. Cao: “N=16 Spherical Shell Closure in  $^{24}\text{O}$ ”, Phys. Rev. Lett. **109** (2012) 022501.
4. K. Miki, H. Sakai, T. Uesaka, H. Baba, C.L. Bai, G.P.A. Berg, N. Fukuda, D. Kameda, T. Kawabata, S. Kawase, T. Kubo, S. Michimasa, H. Miya, S. Noji, T. Ohnishi, S. Ota, A. Saito, Y. Sasamoto, H. Sagawa, M. Sasano, S. Shimoura, H. Takeda, H. Tokieda, K. Yako, Y. Yanagisawa, R.G.T. Zegers: “Identification of the  $\beta^+$  Isovector Spin Monopole Resonance via the  $^{208}\text{Pb}$  and  $^{90}\text{Zr}(t, ^3\text{He})$  Reactions at 300 MeV/u”, Phys. Rev. Lett. **108** (2012) 262503.
5. Y. Togano, Y. Yamada, N. Iwasa, K. Yamada, T. Motobayashi, N. Aoi, H. Baba, S. Bishop, X. Cai, P. Doornenbal, D. Fang, T. Furukawa, K. Ieki, T. Kawabata, S. Kanno, N. Kobayashi, Y. Kondo, T. Kuboki, N. Kume, K. Kurita, M. Kurokawa, Y.G. Ma, Y. Matsuo, H. Murakami, M. Matsushita, T. Nakamura, K. Okada, S. Ota, Y. Satou, S. Shimoura, R. Shioda, K. N. Tanaka, S. Takeuchi, W. Tian, H. Wang, J. Wang, K. Yoneda “Hindered Proton Collectivity in  $^{28}_{16}\text{S}_{12}$ : Possible Magic Number at  $Z = 16$ ”, Phys. Rev. Lett. **108** (2012) 222501.
6. D. Steppenbeck, R.V.F. Janssens, S.J. Freeman, M.P. Carpenter, P. Chowdhury, A.N. Deacon, M. Honma, H. Jin, T. Lauritsen, C.J. Lister, J. Meng, J. Peng, D. Seweryniak, J.F. Smith, Y. Sun, S.L. Tabor, B.J. Varley, Y.-C. Yang, S.Q. Zhang, P.W. Zhao, S. Zhu: “Magnetic rotation and quasicollective structures in  $^{58}\text{Fe}$ : Influence of the  $\nu g_{9/2}$  orbital”, Phys. Rev. C **85** (2012) 044316.
7. A. Ozawa, Y. Hashizume, Y. Aoki, K. Tanaka, T. Aiba, N. Aoi, H. Baba, B. A. Brown, M. Fukuda, K. Inafuku, N. Iwasa, T. Izumikawa, K. Kobayashi, M. Komuro, Y. Kondo, T. Kubo, M. Kurokawa, T. Matsuyama, S. Michimasa, T. Motobayashi, T. Nakabayashi, S. Nakajima, T. Nakamura, T. Ohtsubo, H. Sakurai, R. Shinoda, M. Shinohara, H. Suzuki, T. Suzuki, M. Takechi, E. Takeshita, S. Takeuchi, Y. Togano, K. Yamada, T. Yamaguchi, T. Yasuno, M. Yoshitake: “One- and two-neutron removal reactions from  $^{19,20}\text{C}$  with a proton target”, Phys. Rev. C **84** (2011) 064315.
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9. H. Watanabe, K. Yamaguchi, A. Odahara, T. Sumikama, S. Nishimura, K. Yoshinaga, Z. Li, Y. Miyashita, K. Sato, L. Prochniak, H. Baba, J.S. Berryman, N. Blasi, A. Bracco, F. Camera, J. Chiba, P. Doornenbal, S. Go, T. Hashimoto, S. Hayakawa, C. Hinke, N. Hinohara, E. Ideguchi, T. Isobe, Y. Ito, D.G. Jenkins, Y. Kawada, N. Kobayashi, Y. Kondo, R. Krucken, S. Kubono, G. Lorusso, T. Nakano, T. Nakatsukasa, M. Kurata-Nishimura, H.J. Ong, S. Ota, Zs. Podolyak, H. Sakurai, H. Scheit, K. Steiger, D. Steppenbeck, K. Sugimoto, K. Tajiri, S. Takano, A. Takashima, T. Teranishi, Y. Wakabayashi, P.M. Walker, O. Wieland, H. Yamaguchi: “Development of axial asymmetry in the neutron-rich nucleus  $^{110}\text{Mo}$ ”, Phys. Lett. B **704** (2011) 270–275.

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12. T. Yamaguchi, K. Tanaka, T. Suzuki, A. Ozawa, T. Ohtsubo, T. Aiba, N. Aoi, H. Baba, M. Fukuda, Y. Hashizume, K. Inafuku, N. Iwasa, T. Izumikawa, K. Kobayashi, M. Komuro, Y. Kondo, T. Kubo, M. Kurokawa, T. Matsuyama, S. Michimasa, T. Motobayashi, T. Nakabayashi, S. Nakajima, T. Nakamura, H. Sakurai, R. Shinoda, M. Shinohara, H. Suzuki, M. Takechi, E. Takeshita, S. Takeuchi, Y. Togano, K. Yamada, T. Yasuno, M. Yoshitake: “Nuclear reactions of  $^{19,20}\text{C}$  on a liquid hydrogen target measured with the superconducting TOF spectrometer”, *Nucl. Phys. A* **864** (2011) 1–37.
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### 3. Theses

1. M. Niikura: “High-spin Spectroscopy of  $^{49-51}\text{Ti}$  by Fusion Reaction of RI Beam”, Doctor Thesis, University of Tokyo, March 2009
2. S. Ota: “Low-lying proton intruder state in  $^{13}\text{B}$  via  $^4\text{He}(^{12}\text{Be}, ^{13}\text{B}\gamma)$  reaction”, Doctor Thesis, Kyoto University, March 2009
3. S. Michimasa: “Proton Shell Structure in Neutron-rich Nucleus  $^{23}\text{F}$ ”, Doctor Thesis, University of Tokyo, December 2006
4. A. Saito: “Exotic Cluster States in  $^{12}\text{Be}$  via  $\alpha$ -inelastic Scattering”, Doctor Thesis, Rikkyo University, March 2006
5. H. Baba: “Isoscalar responses in light unstable nucleus  $^{14}\text{O}$ ” Doctor Thesis, Rikkyo University, March 2005
6. T. Fujii: “Spectroscopy of neutron-rich nuclei around  $^{32}\text{Mg}$  via  $\alpha$  inelastic scattering”, Master Thesis, the University of Tokyo, March 2013
7. R. Yokoyama: “Isomers in neutron-rich deformed nuclei”, Master Thesis, the University of Tokyo, March 2013
8. K. Kisamori: “Development of two-alpha detection system for exothermic double-charge exchange reaction ( $^8\text{He}$ ,  $^8\text{Be}$ )”, Master Thesis, University of Tokyo, March 2012.
9. M. Takaki: “Study of  $^{12}\text{Be}$  nucleus via heavy-ion double charge exchange reaction”, Master Thesis, University of Tokyo, March 2012.
10. S. Go: “Development of 3-D position sensitive Ge detectors for highly-sensitive in-beam gamma-ray spectroscopy”, Master Thesis, University of Tokyo, March 2011.
11. H. Miya: “Development of Tracking Chamber for High-resolution Nuclear Spectroscopy with RI beam”, Master Thesis, University of Tokyo, March 2010.
12. A. Yoshida: “Study of High-spin States in  $^{107}\text{Cd}$ ”, Master Thesis, Kyoto University, March 2007
13. T. Fukui: “In-beam  $\gamma$ -ray spectroscopy with high-resolution for neutron-rich nuclei  $N \sim 20$ ”, Master Thesis, Kyoto University, March 2006.
14. M. Niikura: “Production of High-Spin States in  $^{49-52}\text{Ti}$  using Fusion Reactions of RI Beams”, Master Thesis, University of Tokyo, March 2005.
15. M. Tamaki: “Study of excited states in  $^{22}\text{O}$  via  $\alpha$  inelastic scatterings”, Master Thesis, University of Tokyo, March (2004).

## Talks and Presentations

### A. Conferences

1. S. Shimoura (invited): “The SHARQA spectrometer and its physics opportunities”, NUSTAR Annual Meeting 2013, Feb.25 - Mar. 1, 2013, GSI, Germany
2. S. Michimasa, T. Uesaka, S. Ota, S. Shimoura, Y. Sasamoto, K. Miki, S. Noji, H. Miya, H. Tokieda, S. Kawase, K. Kisamori, M. Takaki, M. Dozono, T. Kawabata, Y. Kikuchi, Y. Kubota, H. Kurei, C.S. Lee, H. Matsubara, K. Yako, T. Nishi, N. Yamazaki, A. Yoshino, H. Sakai, T. Kubo, Y. Yanagisawaa, H. Baba, G.P. Berg, P. Roussel-Chomaz, D. Bazin, for the SHARQA collaboration (Oral): “SHARQA spectrometer for high-resolution studies of RI-induced reactions” 16th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2012), Dec. 2–7, 2012, Kunibiki-Messe, Matsue, Japan.
3. K. Yako, M. Kobayashi, S. Shimoura, M. Dozono, T. Fujii, S. Kawase, Y. Kikuchi, K. Kisamori, Y. Kubota, H. Matsubara, S. Michimasa, K. Miki, H. Miya, S. Noji, C.S. Lee, T. Ohnishi, S. Ota, H. Sakai, Y. Sasamoto, M. Sasano, M. Takaki, H. Tokieda, T. Uesaka, Z.Y. Xu, R. Yokoyama (Oral): “Development of WINDS for (p,n) measurements in inverse kinematics” 16th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2012), Dec. 2–7, 2012, Kunibiki-Messe, Matsue, Japan.
4. S. Michimasa, M. Takaki, M. Dozono, S. Go, H. Baba, E. Ideguchi, K. Kisamori, H. Matsubara, H. Miya, S. Ota, H. Sakai, S. Shimoura, A. Stolz, T.L. Tang, H. Tokieda, T. Uesaka, R.G.T. Zegers (Poster): “Development of CVD diamond detector for time-of-flight measurements”, 16th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2012), Dec. 2–7th, 2012, Kunibiki-Messe, Matsue, Japan.
5. H. Miya, S. Shimoura, S. Ota, H. Matsubara, K. Miki, S. Kawase, T. Fujii, Y. Kubota, C. S. Lee, S. Michimasa, T. Uesaka (Poster): “Performance of Low-Pressure Multi-Wire Drift Chamber for High-Intensity RI Beams”, 16th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2012), Dec. 2–7, 2012, Kunibiki-Messe, Matsue, Japan.
6. K. Yako, H. Sakai, Y. Kubota, H. Matsubara, S. Michimasa, K. Miki, H. Miya, M. Kurata-Nishimura, S. Noji, C.S. Lee, T. Ohnishi, S. Ota, H. Baba, M. Sasano, Y. Shimizu, S. Shimoura, M. Takaki, H. Takeda, T.L. Tang, H. Tokieda, T. Uesaka, Z.Y. Xu, R. Yokoyama, R.G.T. Zegers, T. Fujii, N. Inabe, S. Kawase, Y. Kikuchi, K. Kisamori, T.Kubo (Oral): “Measurement of  $^{12}\text{Be}(p,n)^{12}\text{B}$  reaction at 200A MeV in inverse kinematics”, COMEX4, Oct. 22–26, 2012, Shonan Village Center, Hayama, Kanagawa, Japan.
7. K. Kisamori (Poster): “Missing-mass spectroscopy of the 4n system by exothermic double-charge exchange reaction  $^4\text{He}(^8\text{He}, ^8\text{Be})4n$ ”, COMEX4, Oct. 22–26, 2012, Shonan Village Center, Hayama, Kanagawa, Japan.
8. M. Takaki H. Matsubara, T. Uesaka, S. Shimoura, N. Aoi, M. Dozono, T. Fujii, T. Hashimoto, K Hatanaka, T. Kawabata, S. Kawase, K. Kisamori, C.S. Lee, J. Lee, T.L. Tang, Y. Maeda, S. Michimasa, K. Miki, H. Miya, S. Noji, S. Ota, S. Sakaguchi, M. Sasano, T. Suzuki, K. Takahisa, A. Tamii, H. Tokieda, K. Yako, N. Yokota, R. Yokoyama, J. Zenihiro (Poster): “Study of the  $^{12}\text{Be}$  nucleus via the heavy-ion double-charge exchange  $^{12}\text{C}(^{18}\text{O}, ^{18}\text{Ne})$  reaction”, COMEX4, Oct. 22–26, 2012, Shonan Village Center, Hayama, Kanagawa, Japan.
9. H. Miya, S. Shimoura, K. Kisamori, H. Baba, T. Baba, M. Dozono, N. Fukuda, T. Fujii, S. Go, E. Ideguchi, N. Inabe, M. Ito, D. Kameda, T. Kawabata, S. Kawase, Y. Kikuchi, T. Kubo, Y. Kubota, M. Kobayashi, Y. Kondo, C. S. Lee, Y. Maeda, H. Matsubara, K. Miki, S. Michimasa, T. Nishi, M. Nishimura, S. Noji, S. Ota, S. Sakaguchi, H. Sakai, Y. Sasamoto, M. Sasano, H. Sato, Y. Shimizu, H. Suzuki, M. Takaki, H. Takeda, S. Takeuchi, A. Tamii, H. Tokieda, M. Tsumura, T. Uesaka, Y. Yanagisawa, K. Yako, R. Yokoyama, K. Yoshida, M. Assie, D. Beaumel, H. Fariouz, A. Stolz (Poster): “Study of spin-isospin response via exothermic charge exchange ( $^8\text{He}, ^8\text{Li}\gamma$ )”, COMEX4, Oct. 22–26, 2012, Shonan Village Center, Hayama, Kanagawa, Japan.
10. S. Shimoura (Oral): “Physics opportunities using double-charge exchange reactions”, Exotic Nuclear Structure From Nucleons (ENSNF 2012), Oct. 10–12, 2012, University of Tokyo, Tokyo, Japan.
11. D. Steppenbeck, S. Takeuchi, N. Aoi, H. Baba, N. Fukuda, S. Go, P. Doornenbal, M. Honma, J. Lee, K. Matsui, M. Matsushita, S. Michimasa, T. Motobayashi, T. Otsuka, Y. Shiga, P.-A. Söderström, T. Sumikama, H. Suzuki, R. Taniuchi, J.J. Valiente-Dobón, H. Wang, K. Yoneda (Oral): “Investigating the strength of the  $N = 34$  subshell closure in  $^{54}\text{Ca}$ ”, Exotic Nuclear Structure From Nucleons (ENSNF 2012), Oct. 10–12, 2012, University of Tokyo, Tokyo, Japan.

12. S. Shimoura (Invited): “CHARGE EXCHANGE REACTIONS OF RI-BEAMS”, International Symposium on Exotic Nuclei (EXON2012), 1–6 October, 2012, Vladivostok, Russia.
13. M. Matsushita, N. Aoi, S. Takeuchi, P. Doornenbal, D. Steppenbeck, H. Wang : “Gamma-ray spectroscopy for medium mass nuclei”, 3rd RIBF Discussion Meeting, Sep. 24, Tohoku University, Sendai, Japan.
14. H. Matsubara, M. Takaki, T. Uesaka, N. Aoi, M. Dozono, T. Fujii, T. Hashimoto, K. Hatanaka, Y. Kikuchi, T. Kawabata, S. Kawase, K. Kisamori, C.S. Lee, H.C. Lee, Y. Maeda, S. Michimasa, K. Miki, H. Miya, S. Noji, S. Ota, S. Sakaguchi, Y. Sasamoto, S. Shimoura, T. Suzuki, K. Takahisa, A. Tamii, K. Yako, N. Yokota, R. Yokoyama, J. Zenihiro: “Study of the neutron rich nuclei via heavy-ion double charge exchange reaction”, Direct Reactions with Exotic Beams (DREB2012), Mar. 26-29, 2012, Aula Magna, Faculty of SMFN, Pisa, Italy.
15. S. Michimasa: “In-beam gamma-ray spectroscopy combined with transfer reactions” Perspectives of Ring Cyclotron at RCNP – Frontier of nuclear science by ultra-high-quality intense beams – Mar. 21–23, 2012, RCNP, Osaka University, Japan.
16. S. Shimoura: “Physics by Brilliant project” Perspectives of Ring Cyclotron at RCNP – Frontier of nuclear science by ultra-high-quality intense beams – Mar. 21–23, 2012, RCNP, Osaka University, Japan.
17. Shimoura S., 「土壌中のガンマ線放出核種分析による福島周辺放射線マップ」理学系研究科シンポジウム「大震災復興へ向けての理学・理学者の役割」Feb. 3, 2012, University of Tokyo, Tokyo, Japan.
18. S. Michimasa: “Gamma-ray Spectroscopy of neutron-rich Mg isotopes by using proton inelastic scattering”, RIBF ULIC and CNS Symposium on Frontier of Gamma-ray Spectroscopy (Gamma11), June 30 – July 2, 2011, Wako, Japan.
19. S. Go: “Digital pulse shape analysis method to extract interaction position for CNS-GRAPE”, RIBF ULIC and CNS Symposium on Frontier of Gamma-ray Spectroscopy (Gamma11), June 30 – July 2, 2011, Wako, Japan.
20. E. Ideguchi: “Superdeformed Band in Asymmetric  $N > Z$  Nucleus,  $^{40}\text{Ar}$ , and High-Spin Level Structures in  $A \sim 40$  Nuclei”, RIBF ULIC and CNS Symposium on Frontier of Gamma-ray Spectroscopy (Gamma11), June 30 – July 2, 2011, Wako, Japan.
21. S. Shimoura (invited): “Detectors for Nuclear Physics”, The Technology and Instrumentation in Particle Physics 2011 (TIPP 2011), June. 9–14, 2011, Chicago, USA.
22. E. Ideguchi: “Study of high-spin states by using energy degraded RI beams”, Nuclear Physics with Energy-degraded RI Beam at RIBF, May 25, 2011, Wako, Japan.
23. S. Michimasa: “Alpha-induced transfer reactions with degraded beams”, Nuclear Physics with Energy-degraded RI Beam at RIBF, May 25, 2011, Wako, Japan.
24. S. Shimoura (invited): “Cluster Structures in Neutron-Rich Nuclei Via Alpha-Inelastic Scattering in Inverse Kinematics”, The 5th LACM-EFES-JUSTIPEN Workshop, March 15–17, 2011, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA.
25. E. Ideguchi (Oral): “Possible use of SHOGUN spectrometer for the studies of hyperdeformed nuclei”, Workshop on the SHOGUN gamma-ray spectrometer, February 4–5, 2011, RIKEN, Wako, Saitama, Japan.
26. S. Michimasa (Oral): “Development of Diamond Detector at CNS”, Workshop on advanced detector technology for nuclear physics, Jan. 12, 2011, RIKEN, Wako, Japan.
27. S. Shimoura (invited): “CNS GRAPE for high-resolution spectroscopy of in-flight gamma decay”, French-Japanese Symposium on Nuclear Structure Problems, Jan. 5–8, 2011, RIKEN, Wako, Japan.
28. H. Matsubara, M. Takaki, and T. Uesaka for E358 collaboration (Poster): “Spectroscopy of  $^9\text{He}$  via the ( $^{18}\text{O}, ^{18}\text{Ne}$ ) reaction by high resolution spectrograph Grand Raiden at RCNP”, Halo2010, Dec. 7–9, 2010, Shonan international village, Kanagawa, Japan.
29. E. Ideguchi (Oral): “Superdeformed Band in Asymmetric  $N \neq Z$  Nucleus,  $^{40}\text{Ar}$ , and High-Spin Studies in  $A=30\sim 40$  Nuclei”, University of Aizu-JUSTIPEN-EFES symposium “Cutting Edge Physics of Unstable Nuclei”, November 10–13, 2010, University of Aizu, Fukushima, Japan.

30. S. Shimoura (invited): “Nuclear Physics Research at CNS”, The International Symposium on Nuclear Physics in Asia, Oct. 13–15, 2010, Beihang University, Beijing, China.
31. E. Ideguchi (Oral): “Gamma-ray spectroscopy at storage ring”, RCNP Workshop on “ Physics of heavy-ion storage ring”, September 24–25, RCNP, Osaka university, Japan.
32. S. Shimoura (invited): “Direct reactions populating continuum states of exotic nuclei”, Japan-Italy EFES Workshop, Sept. 6–8, 2010, Istituti di Fisica, Torino, Italy.
33. E. Ideguchi (Oral): “Superdeformed band in asymmetric  $N \neq Z$  nucleus,  $^{40}\text{Ar}$ ”, Nuclear Structure 2010 conference, August 8–13, 2010, Clark-Kerr Campus, U.C. Berkeley, CA, USA.
34. S. Shimoura (invited): “Single-particle wave functions near the threshold — coupled-channel effects on spectroscopic factors —”, ECT\* Workshop on Reactions and Nucleon Properties in Rare isotopes, April 6–10, 2010, Trento, Italy.
35. A. Saito (oral): “The  $^6\text{He}+^6\text{He}$  and  $\alpha+^8\text{He}$  cluster states in  $^{12}\text{Be}$  via inelastic scattering”, International Symposium on Frontiers of Researches in Exotic Nuclear Structures (Niigata2010), March 1–4, 2010, Tokamachi, Niigata, Japan.
36. S. Ota, S. Shimoura, N. Aoi, E. Takeshita, S. Takeuchi, H. Suzuki, H. Baba, T. Fukuchi, T. Fukui, Y. Hashimoto, E. Ideguchi, K. Ieki, N. Iwasa, H. Iwasaki, S. Kanno, Y. Kondo, T. Nakabayashi, T. Nakamura, M. Niikura, T. Okumura, T.K. Onishi, H. Sakurai, M. Shinohara, D. Suzuki, M. K. Suzuki, M. Tamaki, K. Tanaka, Y. Togano, Y. Wakabayashi, K. Yamada: “High Resolution In-beam Spectroscopy of island-of-inversion nuclei via alpha induced reaction”, International Workshop on Direct Reactions with Exotic Beams (DREB2009), December 16–19, 2009, Tallahassee, Florida, USA.
37. S. Shimoura (invited): “Recent developments of radiation detector systems for RIBF experiments”, Workshop On Developments of new Scintillator Detectors for Gamma Spectroscopy and Imaging, November 16–17, 2009, Milano, Italy.
38. S. Michimasa (invited): “SHARAQ Overview and Scientific Programs”, Sept. 9–10, 2009, LBNL, Berkeley, USA, JUSEIPEN Workshop.
39. M. Niikura (invited): “In-beam Spectroscopy in  $^{49-51}\text{Ti}$  via Fusion Reaction of RI Beam”, LIA-EFES Workshop on Low-energy collective excitations in exotic nuclei, March 2–4, 2009, GANIL, Caen, France
40. S. Shimoura (invited): “Proton single-particle states in neutron-rich nuclei”, The 3rd LACM-EFES-JUSTIPEN Workshop, February 23–25, 2009, Oak Ridge National Laboratory, Tennessee, USA.
41. E. Ideguchi (invited): “Collective band structure in  $^{40}\text{Ar}$ ”, The 3rd LACM-EFES-JUSTIPEN Workshop, February 23–25, 2009, Oak Ridge National Laboratory, Tennessee, USA.  
E. Ideguchi: “Study of high-spin states in mass 30 region”, JAEA tandem accelerator workshop, January 6–7, JAEA, Japan.
42. E. Ideguchi: “Study of High-Spin States by Using Degraded RI Beam at RIBF”, Joint ANL-EFES Workshop for a Compton-Suppressed Ge Clover Array for Stopped and Energy Degraded Exotic Beams at RIKEN, December 4–5, ANL, Argonne, IL, USA.
43. S. Shimoura: “Digital electronics for GRAPE”, Joint ANL-EFES Workshop for a Compton-Suppressed Ge Clover Array for Stopped and Energy Degraded Exotic Beams at RIKEN, December 4–5, ANL, Argonne, IL, USA.
44. S. Shimoura (invited): “High-resolution spectroscopy using direct reactions of RI beams”, 6th Italy-Japan Symposium on Heavy Ion Physics, November 11–15, 2008, Tokai, Ibaraki, Japan.
45. S. Michimasa, P. Gangnant, T. Kawabata, H. Kurei, J-F. Libin, K. Miki, H. Miya, K. Nakanishi, S. Ota, P. Roussel-Chomaz, A. Saito, H. Sakai, Y. Sasamoto, S. Shimoura, C. Spitaels, H. Tokieda, T. Uesaka (Oral): “Low-pressure tracking detectors for SHARAQ spectrometer”, ICHOR-EFES International Symposium on New Facet of Spin-Isospin Responses (SIR2008), October 29–31, 2008, RIKEN, Wako, Japan.
46. K. Nakanishi: “Ion optical design and current status of SHARAQ spectrometer – Toward the Commissioning of SHARAQ Spectrometer – ”, ICHOR-EFES International Symposium on New Facet of Spin-Isospin Responses (SIR2008), October 29–31, 2008, RIKEN, Wako, Japan.

47. T. Uesaka: "New facets of nuclear spin-isospin responses: challenge with the SHARAQ spectrometer", ICHOR-EFES International Symposium on New Facet of Spin-Isospin Responses (SIR2008), October 29–31, 2008, RIKEN, Saitama, Japan.
48. S. Ota: "Study of neutron correlation in low density nuclear matter via charge exchange reaction", RIKEN mini Workshop on Di-neutron correlation, September 3, 2008, RIKEN, Wako, Japan.
49. S. Michimasa: "Search for two-proton correlation in unbound nuclei", RIKEN mini Workshop on Di-neutron correlation, September 3, 2008, RIKEN, Wako, Japan.
50. S. Shimoura (invited): "High-resolution spectroscopy using RI beams ? SHARAQ project", Japanese French Symposium on New paradigms in Nuclear Physics, September 29 – October 2, Institut Henri Poincarè, Paris, France.
51. Akito SAITO: "Alpha+<sup>8</sup>He cluster states in <sup>12</sup>Be via  $\alpha$ -inelastic scattering", Frontier in Unstable Nuclear Physics, Jul. 18–19, 2008, Hokkaido University, Sapporo, Japan.
52. E. Ideguchi (Invited): "Gamma-ray spectroscopy instruments in Japan (Present status and future perspectives)", 7th AGATA Week, July 8–11, 2008, Uppsala, Sweden.
53. S. Ota: "Proton intruder state in the neutron-rich nucleus <sup>13</sup>B", Conference on Nuclear Structure 2008 (NS2008), June 3–6, 2008, East Lansing, Michigan, USA.
54. M. Niikura, E. Ideguchi, S. Michimasa, T. Ohnishi, T.K. Onishi, S. Ota, S. Shimoura, H. Suzuki, D. Suzuki, Y. Wakabayashi, K. Yoshida, Y. Zheng, N. Aoi, H. Baba, T. Fukuchi, Y. Ichikawa, H. Iwasaki, T. Kubo, M. Kurokawa, M. Liu: "Study of High-spin States in <sup>49–51</sup>Ti", CNS-RIKEN Joint Int. Symp. on Frontier of gamma-ray spectroscopy and Perspectives for Nuclear Structure Studies (gamma08), April 3–5, 2008, Wako, Saitama, Japan.
55. E. Ideguchi (invited), S. Shimoura, H. Baba, T. Fukuchi, M. Kurokawa, S. Michimasa, M. Niikura, S. Ota: "Development of CNS GRAPE and experiments at RIBF", CNS-RIKEN Joint Int. Symp. on Frontier of gamma-ray spectroscopy and Perspectives for Nuclear Structure Studies (gamma08), April 3–5, 2008, Wako, Saitama, Japan.
56. S. Shimoura: "Cluster Structure and Reaction in Neutron-Rich Nuclei", RIKEN Workshop on Structure and Reaction Dynamics of Highly Excited Molecular Resonances in Light Neutron Rich Nuclei, March 19, 2008, RIKEN, Wako, Saitama, Japan.
57. S. Michimasa: "Focal Plane Detector for SHARAQ", RIBF Detector Workshop 08, Mar. 17 – 18, 2008, RIKEN, Saitama, Japan.
58. S. Shimoura: "Gamma-ray spectroscopy using direct reactions" Future Prospects for Spectroscopy and Direct Reactions 2008, Feb. 26–28, 2008, National Superconducting Cyclotron Laboratory, Michigan State University, Michigan, USA
59. T. Uesaka, S. Shimoura, H. Sakai, S. Michimasa, T. Kawabata, A. Saito, K. Nakanishi, Y. Sasamoto, T. Kubo, Y. Yanagisawa, G.P.A. Berg: "The SHARAQ spectrometer", TORIJIN-EFES-FJNSP LIA Joint Workshop on Next Generation Detector System for Nuclear Physics with RI beams, Feb. 14–15, 2008, GANIL, Caen, France.
60. S. Michimasa: "Focal plane and beamline detectors of SHARAQ", TORIJIN-EFES- FJNSP LIA Joint Workshop on Next Generation Detector System for Nuclear Physics with RI beams, Feb. 14 – 15, 2008, GANIL, France.
61. E. Ideguchi: "Status of CNS GRAPE and  $\gamma$ -ray spectroscopy community in Japan" The 2nd LACM-EFES-JUSTIPEN Workshop, Jan. 23–25, 2008, Oak Ridge National Laboratory, Tennessee, USA.
62. M. Niikura, E. Ideguchi, N. Aoi, H. Baba, T. Fukuchi, Y. Ichikawa, H. Iwasaki, T. Kubo, M. Kurokawa, M. Liu, S. Michimasa, T. Ohnishi, T.K. Onishi, S. Ota, S. Shimoura, H. Suzuki, D. Suzuki, Y. Wakabayashi, K. Yoshida and Y. Zheng: "Study of High-Spin States in <sup>49–51</sup>Ti" The 2nd LACM-EFES-JUSTIPEN Workshop, Jan. 23–25, 2008, Oak Ridge National Laboratory, Tennessee, USA.
63. E. Ideguchi: "Study of high-spin states in A~30-50, 110 region using low-energy beam", 4th workshop on nuclear spectroscopy study using stopped or slow RI beam, Dec. 20–21, 2007, CYRIC Tohoku University, Japan.
64. S. Michimasa: "Status of SHARAQ", MUST2-RIBF Collaboration Workshop, Nov. 19 –20, 2007, RIKEN, Saitama, Japan.

65. E. Ideguchi: “Search for superdeformed states in  $A \sim 110$  region”, 28th CYRIC workshop, Nov. 19–20, 2007, CYRIC Tohoku University, Japan
66. S. Shimoura (invited): “Direct reactions of Borromean nuclei”, International Symposium on New Facet of Three Nucleon Force –50 years of Fujita-Miyazawa Three Nucleon Force– (FM50), Oct. 29–31, 2007, University of Tokyo, Tokyo, Japan.
67. S. Shimoura (invited): “Scientific Opportunities of GRETINA at RIBF in RIKEN”, GRETINA Working Group Workshop, Oct. 14–15, 2007, Richmond, USA.
68. S. Michimasa: “Direct reactions and exotic nuclei”, 3rd Japanese-German EFES(JSPS)-DFG/GSI workshop on Nuclear Structure and Astrophysics, Sept. 29 – Oct. 2, 2007, Frauenwörth im Chiemsee, Germany.
69. A. Saito, S. Shimoura, T. Minemura, Y.U. Matsuyama, H. Baba, N. Aoi, T. Gomi, Y. Higurashi, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, S. Kanno, S. Kubono, M. Kunibu, S. Michimasa, T. Motobayashi, T. Nakamura, H. Ryuto, H. Sakurai, M. Serata, E. Takeshita, S. Takeuchi, T. Teranishi, K. Ue, K. Yamada, Y. Yanagisawa: “The  ${}^6\text{He}+{}^6\text{He}$  and  $\alpha+{}^8\text{He}$  cluster states in  ${}^{12}\text{Be}$  studied via  $\alpha$ -inelastic scattering”, Clusters Conference (Cluster '07), Sep. 3–7, 2007, Holiday Inn, Stratford upon Avon, UK.
70. S. Shimoura (invited): “Light neutron-rich nuclei studied by  $\alpha$ -induced reactions”, International Symposium on Physics of Unstable Nuclei (ISPUN07), July 3–7, Hoi An, Vietnam.
71. S. Shimoura (invited): “SHARAQ spectrometer and GRAPE”, 15th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2007), June 24–29, 2007, Deauville, France.
72. T. Kawabata, G. P. A. Berg, T. Kubo, H. Sakai, S. Shimoura, T. Uesaka (poster): “High Resolution Beam Line for the SHARAQ Spectrometer”, 15th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2007), June 24–29, 2007, Deauville, France.
73. T. Uesaka, S. Shimoura, H. Sakai, T. Kawabata, A. Saito, K. Nakanishi, Y. Sasamoto, S. Michimasa, S. Kubono, E. Ideguchi, H. Yamaguchi, T. Kubo, G.P.A. Berg (poster): “Current Status of the SHARAQ Spectrometer”, 15th International Conference on Electromagnetic Isotope Separators and Techniques Related to their Applications (EMIS2007), June 24–29, 2007, Deauville, France.
74. E. Ideguchi, D.G. Sarantites, W. Reviol, C.J. Chiara, M. Devlin, D.R. LaFosse, F. Lerma, S.K. Ryu, J.N. Wilson, M.P. Carpenter, R.V.F. Janssens, T. Lauritsen, C.J. Lister, P. Reiter, D. Seweryniak, C. Baktash, A. Galindo-Uribarri, D. Rudolph, A. Axelsson, M. Weiszflog, P. Fallon, A. Gørgen, A.O. Macchiavelli, H. Madokoro, M. Oi: “High-spin negative-parity states in  ${}^{40}\text{Ca}$ ”, International Workshop on Nuclear Structure: New Pictures in the Extended Isospin Space (NS07), June 11–14, 2007, Kyoto, Japan.
75. M. Niikura, E. Ideguchi, N. Aoi, H. Baba, T. Fukuchi, Y. Ichikawa, H. Iwasaki, T. Kubo, M. Kurokawa, M. Liu, S. Michimasa, T. Ohnishi, T.K. Onishi, S. Ota, S. Shimoura, H. Suzuki, D. Suzuki, Y. Wakabayashi, K. Yoshida, Y. Zheng (poster): “Study of high-spin states in  ${}^{49-51}\text{Ti}$  by the secondary fusion reaction”, International Workshop on Nuclear Structure: New Pictures in the Extended Isospin Space (NS07), June 11–14, 2007, Kyoto, Japan.
76. S. Shimoura, S. Ota, H. Iwasaki, M. Kurokawa, S. Michimasa, S. Kubono, T. Teranishi, M. Notani, M. Tamaki, T. Murakami, N. Iwasa, T. Motobayashi, Y. Yanagisawa, T. Minemura, S. Takeuchi, T. Gomi, K. Yamada, A. Saito, H. Baba, Y.U. Matsuyama, S. Kanno, E. Takeshita, H. Demichi, K. Hasegawa, K. Kurita, H. Sakurai, N. Aoi, E. Ideguchi, A. Odahara, T. Fukuchi, K. Miller, Z. Elekes, M. Ishihara: “Lifetime of the low-lying isomeric  $0^+$  state in  ${}^{12}\text{Be}$ ”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
77. H. Baba, S. Shimoura, T. Minemura, Y.U. Matsuyama, A. Saito, H. Ryuto, N. Aoi, T. Gomi, Y. Higurashi, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, S. Kanno, S. Kubono, M. Kunibu, S. Michimasa, T. Motobayashi, T. Nakamura, H. sakurai, M. Serate, E. Takeshita, S. Takeuchi, T. Teraishi, K. Ue, K. Yamada, Y. Yanagisawa (poster): “Measurement of isoscalar monopole and dipole strengths in  ${}^{14}\text{O}$ ”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
78. E. Ideguchi, B. Cederwall, E. Ganioglu, B. Hadinia, K. Lagergren, T. Bäck, A. Johnson, R. Wyss, S. Eeckhaudt, T. Grahn, P. Greenlees, R. Julin, S. Juutinen, H. Kettunen, M. Leino, A.-P. Leppanen, P. Nieminen, M. Nyman, J. Pakarinen, P. Rakhila, C. Scholey, J. Uusitalo, D. T. Joss, E. S. Paul, D. R. Wiseman, R. Wadsworth (poster): “Onset of well-deformed structure in  ${}^{107}\text{In}$ ”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.

79. S. Michimasa et al. (poster): “Proton inelastic scattering study on the very neutron-rich nuclei located in the sd-pf region”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
80. M. Niikura, E. Ideguchi, N. Aoi, H. Baba, T. Fukuchi, Y. Ichikawa, H. Iwasaki, T. Kubo, M. Kurokawa, M. Liu, S. Michimasa, T. Ohnishi, T.K. Onishi, S. Ota, S. Shimoura, H. Suzuki, D. Suzuki, Y. Wakabayashi, K. Yoshida, Y. Zheng (poster): “Study of High-spin States in  $^{49-51}\text{Ti}$  by the Secondary Fusion Reaction”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
81. S. Ota, S. Shimoura, H. Iwasaki, M. Kurokawa, S. Michimasa, S. Kubono, T. Teranishi, M. Notani, M. Tamaki, T. Murakami, N. Iwasa, T. Motobayashi, Y. Yanagisawa, T. Minemura, S. Takeuchi, T. Gomi, K. Yamada, A. Saito, H. Baba, Y.U. Matsuyama, S. Kanno, E. Takeshita, H. Demichi, K. Hasegawa, K. Kurita, H. Sakurai, N. Aoi, E. Ideguchi, A. Odahara, T. Fukuchi, K. Miller, Z. Elekes, M. Ishihara (poster): “Proton Intruder State in  $^{13}\text{B}$  via Proton Transfer Reaction on  $^{12}\text{Be}$ ”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
82. A. Saito, S. Shimoura, T. Minemura, Y.U. Matsuyama, H. Baba, N. Aoi, T. Gomi, Y. Higurashi, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, S. Kanno, S. Kubono, M. Kunibu, S. Michimasa, T. Motobayashi, T. Nakamura, H. Ryuto, H. Sakurai, M. Serata, E. Takeshita, S. Takeuchi, T. Teranishi, K. Ue, K. Yamada, Y. Yanagisawa (poster): “Exotic cluster states in  $^{12}\text{Be}$  via alpha-inelastic scattering”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
83. S. Shimoura et al. (poster): “Segmented germanium detector array GRAPE for high resolution in-beam gamma-ray spectroscopy with RI beams”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
84. T. Uesaka, S. Shimoura, H. Sakai, T. Kawabata, A. Saito, K. Nakanishi, Y. Sasamoto, S. Michimasa, S. Kubono, E. Ideguchi, H. Yamaguchi, T. Kubo, G.P.A. Berg (poster): “High Resolution SHARAQ Spectrometer”, International Nuclear Physics Conference (INPC2007), June 3 – 8, 2007, Tokyo, Japan.
85. H. Baba, S. Shimoura, T. Minemura, Y.U. Matsuyama, A. Saito, H. Ryuto, N. Aoi, T. Gomi, Y. Higurashi, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, S. Kanno, S. Kubono, M. Kunibu, S. Michimasa, T. Motobayashi, T. Nakamura, H. Sakurai, M. Serate, E. Takeshita, S. Takeuchi, T. Teraishi, K. Ue, K. Yamada, Y. Yanagisawa “Isoscalar excitations in  $^{14}\text{O}$ ” Direct Reaction with Exotic Beams (DREB2007) May 30 – June 2, 2007, RIKEN, Japan
86. S. Ota, S. Shimoura, N. Aoi, E. Takeshita, S. Takeuchi, H. Suzuki, H. Baba, T. Fukuchi, T. Fukui, Y. Hashimoto, E. Ideguchi, K. Ieki, N. Iwasa, H. Iwasaki, S. Kanno, Y. Kondo, T. Nakabayashi, T. Nakamura, M. Niikura, D. Suzuki, M.K. Suzuki, M. Tamaki, K. Tanaka, Y. Togano, Y. Wakabayashi, K. Yamada: “High Resolution Gamma-ray Spectroscopy of Neutron-rich Nuclei around  $N = 20$  with Liquid Helium Target”, Direct Reaction with Exotic Beams (DREB2007), May 30 – June 2, 2007, RIKEN, Japan.
87. A. Saito, S. Shimoura, T. Minemura, Y.U. Matsuyama, H. Baba, N. Aoi, T. Gomi, Y. Higurashi, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, S. Kanno, S. Kubono, M. Kunibu, S. Michimasa, T. Motobayashi, T. Nakamura, H. Ryuto, H. Sakurai, M. Serata, E. Takeshita, S. Takeuchi, T. Teranishi, K. Ue, K. Yamada, Y. Yanagisawa: “ $^4\text{He}+^8\text{He}$  cluster state in  $^{12}\text{Be}$  via alpha-inelastic scattering”, Direct Reaction with Exotic Beams (DREB2007), May 30 – June 2, 2007, RIKEN, Japan.
88. T. Uesaka, S. Shimoura, H. Sakai, T. Kawabata, A. Saito, K. Nakanishi, Y. Sasamoto, S. Michimasa, S. Kubono, E. Ideguchi, H. Yamaguchi, T. Kubo, G.P.A. Berg: “Future experiments with the SHARAQ spectrometer”, Direct Reaction with Exotic Beams (DREB2007), May 30 – June 2, 2007, RIKEN, Japan.
89. S. Shimoura (invited): “High Resolution Spectrometer SHARAQ at the RIBF”, Japanese-French Workshop on Exotic Femto Systems, March 13–16, 2007, Caen, France
90. S. Michimasa (oral): “Study of Excited States in  $^{23}\text{F}$  Using Direct Reactions”, Japanese French Workshop on Exotic Femto Systems, Mar. 13–16, 2007, Caen, France
91. E. Ideguchi: “Study of High-Spin States in  $A\sim 40$  Region”, JAEA workshop on Nuclear Structure and Nuclear Data by Gamma-ray Spectroscopy, JAEA, Ibaraki, Japan, March 13, 2007
92. S. Shimoura: “Physics Programs in the SHARAQ project”, RCNP workshop on New studies developen in upgrade of RCNP AVF Cyclotron, February 19–20, 2007, RCNP, Osaka, Japan

93. E. Ideguchi: "Study of High-Spin Deformed States in  $A=30-40$  and  $100$ ", RCNP workshop on New studies developed in upgrade of RCNP AVF Cyclotron, February 19-20, 2007, RCNP, Osaka, Japan
94. S. Shimoura: "Molecular resonance states in unstable nuclei", RCNP workshop on Cluster Phenomena in Nuclear Many-Body Systems, February 14-16, 2007, RCNP, Osaka, Japan
95. S. Ota: "Proton Intruder State in  $^{13}\text{B}$ ", RCNP workshop on Cluster Phenomena in Nuclear Many-Body Systems, February 14-16, 2007, RCNP, Osaka, Japan
96. E. Ideguchi: "Study of Superdeformed States in  $A\sim 40$  region and Future Perspectives" RCNP workshop on Cluster Phenomena in Nuclear Many-Body Systems, February 14-16, 2007, RCNP, Osaka, Japan
97. S. Shimoura (invited): "Determination of weak matrix elements from charge exchange reactions of unstable nuclei", 21th Century COE International Symposium on Neutrino Processes and Stellar Evolution (NEPSE07), February 7-9, 2007, University of Tokyo, Tokyo, Japan
98. E. Ideguchi: "Isomer measurement by recycle use of ejectiles", RIBF Mini Workshop on Gamma-ray spectroscopy at RIBF III, February 6, 2007, RIKEN, Saitama, Japan
99. S. Shimoura (invited): "Physics programs at SHARQA", International Collaboration Workshop on Experiments at the RIBF (RIBF-ICW06), November 6-9, 2006, RIKEN, Saitama, Japan
100. E. Ideguchi: "Gamma-ray spectroscopy with slowed down RI beam", RIBF Mini Workshop on Gamma-ray spectroscopy at RIBF II, October 16-17, 2006, RIKEN, Saitama, Japan
101. S. Shimoura: "CNS-GRAPE collaboration for high-resolution gamma-ray spectroscopy at RIBF", RIBF Mini Workshop on Gamma-ray spectroscopy at RIBF II, October 16-17, 2006, RIKEN, Saitama, Japan
102. S. Shimoura (invited): "High resolution spectroscopy using RI beams - SHARQA project", 2nd German-Japanese Workshop on Nuclear Structure and Astrophysics, October 4-7, 2006, RIKEN, Saitama, Japan
103. S. Michimasa, S. Shimoura, H. Iwasaki, M. Tamaki, S. Ota, N. Aoi, H. Baba, N. Iwasa, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, T. Minemura, T. Motobayashi, M. Notani, H.J. Ong, A. Saito, H. Sakurai, E. Takeshita, S. Takeuchi, Y. Yanagisawa and A. Yoshida: "Proton Shell Structure in Neutron-rich  $^{23}\text{F}$ ", IX International Conference on Nucleus-Nucleus Collisions (NN2006), August 28-Sep. 1, 2006, Rio de Janeiro, Brazil
104. S. Shimoura (invited): "Spectroscopy of exotic nuclei using direct reactions of RI beams at RIPS", 1st RIBF Annual Users Meeting, August 3-4, 2006, RIKEN, Saitama, Japan
105. S. Shimoura (invited): "High resolution magnetic spectrometer SHARQA in RIBF", International Symposium on Exotic Nuclei (EXON2006), July 17-22, 2006, Khanty-Mansiysk, Russia
106. S. Shimoura (invited): "Nuclear Spectroscopy Using Direct Reactions of RI Beams", 6th China-Japan Joint Nuclear Physics Symposium on Nuclear Physics Trends, May 16-20, 2006, Shanghai, China
107. E. Ideguchi (invited): "Study of High-spin States by Using Stable and Unstable Nuclear Beams", 6th China-Japan Joint Nuclear Physics Symposium on Nuclear Physics Trends, May 16-20, 2006, Shanghai, China
108. S. Shimoura: "Physics Program with the SHARQA Spectrometer", International Workshop on "Nuclear Physics with RIBF", RIKEN, Saitama, Mar. 13-17, 2006
109. S. Shimoura (invited): "In-beam spectroscopy of exotic nuclei probed by  $\alpha$ -induced direct reactions", International Symposium on Structure of Exotic Nuclei and Nuclear Forces (SENUF 06), University of Tokyo, Tokyo, Mar. 9-12, 2006
110. S. Shimoura: "High resolution magnetic spectrometer SHARQA in RIBF", Annual FRS-NUSTAR meeting, GSI, Darmstadt, Germany, Feb. 22-24, 2006
111. S. Shimoura: "Structure change in light neutron-rich nuclei via nucleon transfer reactions", CNS Workshop on Past, Present and Future of Shell Model, CNS, Wako, Jan. 26-28, 2006
112. A. Saito: " $^6\text{He}+^6\text{He}$  cluster states in  $^{12}\text{Be}$  via  $\alpha$ -inelastic scattering" RIKEN-CNS RIBF International Workshop on Correlation and Condensation: New Features in Loosely Bound and Unbound Nuclear States, Dec. 8-10, 2005

113. M. Niikura: “Study of High-Spin States in Neutron-rich Ti Isotopes”, 4th CNS International Summer School (CISS05), CNS, Wako, Aug. 18–23, 2005
114. S. Shimoura: “Single-particle states in exotic nuclei via  $(\alpha,t)$  and  $(\alpha,^3\text{He})$  reaction at 30-60 A MeV”, 2005 Summer Meeting on Direct Reactions with Exotic Beams (DREB2005), MSU, East Lansing, Michigan, USA, June 22-25, 2005
115. H. Baba: “Isoscalar monopole and dipole responses in unstable nucleus  $^{14}\text{O}$ ”, 2005 Summer Meeting on Direct Reactions with Exotic Beams (DREB2005), MSU, East Lansing, Michigan, USA, June 22-25, 2005
116. A. Saito: “ $^6\text{He}+^6\text{He}$  cluster states in  $^{12}\text{Be}$  via alpha inelastic scattering” 2005 Summer Meeting on Direct Reactions with Exotic Beams (DREB2005), MSU, East Lansing, Michigan, USA, June 22-25, 2005
117. S. Shimoura (invited): “In-beam spectroscopy of exotic nuclei via direct reactions at intermediate energy”, RIKEN RIBF international workshop on Collective motions in unstable nuclei –experiments vs. theories–, RIKEN, Wako, May 24–26, 2005
118. S. Michimasa, S. Shimoura, H. Iwasaki, M. Tamaki, S. Ota, N. Aoi, H. Baba, N. Iwasa, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, T. Minemura, T. Motobayashi, M. Notani, H.J. Ong, A. Saito, H. Sakurai, E. Takeshita, S. Takeuchi, Y. Yanagisawa, A. Yoshida: “Proton single particle states in  $^{23}\text{F}$ ”, CNS Workshop on Interdisciplinary Developments of Shell Model Study, CNS, Japan, March 3–5, 2005
119. S. Shimoura (invited): “Single Particle States in Exotic Nuclei via Nucleon Transfer Reactions at 30–60 A MeV”, International Conference on the Interface between NUClear STructure, Astrophysics and Reactions (NUSTAR’05), Guildford, UK, January 5–8, 2005
120. S. Shimoura (invited): “In-Beam Nuclear Spectroscopy Using RI beams”, Workshop on  $\gamma$ -Ray Detectors, Saitama University, Japan, December 27, 2004
121. S. Shimoura (invited): “In-beam spectroscopy of exotic nuclei using direct reactions”, 5th Italy-Japan Symposium on Recent Achievements and Perspectives in Nuclear Physics, Naples, Italy, November 3–7, 2004
122. T. Fukuchi, S. Shimoura, E. Ideguchi, M. Kurokawa, H. Baba, S. Ota, M. Tamaki and M. Niikura (invited): “Development of Position Sensitive Ge Detector” 5th Italy-Japan Symposium on Recent Achievements and Perspectives in Nuclear Physics, Naples, Italy, November 3–7, 2004
123. S. Michimasa, S. Shimoura, H. Iwasaki, M. Tamaki, S. Ota, N. Aoi, H. Baba, N. Iwasa, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, T. Minemura, T. Motobayashi, M. Notani, H.J. Ong, A. Saito, H. Sakurai, E. Takeshita, S. Takeuchi, Y. Yanagisawa, A. Yoshida: “Study of single-particle states in  $^{23}\text{F}$  using a proton transfer reaction”, Fourth International Conference on Exotic Nuclei and Atomic Masses (ENAM 04), September 12–16, 2004, Pine Mountain, Georgia, USA.
124. E. Ideguchi, M. Niikura, C. Ishida, T. Fukuchi, H. Baba, N. Hokoïwa, H. Iwasaki, T. Koike, T. Komatsubara, T. Kubo, M. Kurokawa, S. Michimasa, K. Miyakawa, K. Morimoto, T. Ohnishi, S. Ota, A. Ozawa, S. Shimoura, T. Suda, M. Tamaki, I. Tanihata, Y. Wakabayashi, K. Yoshida, B. Cederwall: “Study of high-spin states in the  $^{48}\text{Ca}$  region by using secondary fusion reactions”, Fourth International Conference on Exotic Nuclei and Atomic Masses (ENAM 04), September 12–16, 2004, Pine Mountain, Georgia, USA.
125. T. Fukuchi, Y. Gono, A. Odahara, E. Ideguchi, H. Watanabe, W. Wakabayashi and H. Sagawa: “Study of High-spin Shape Isomer”, RIBF Physics Workshop on Mean Fields and Collective Motions in Unstable Nuclei, RIKEN, September 5–7, 2004
126. E. Ideguchi, M. Niikura, C. Ishida, T. Fukuchi, H. Baba, N. Hokoïwa, H. Iwasaki, T. Koike, T. Komatsubara, T. Kubo, M. Kurokawa, S. Michimasa, K. Miyakawa, K. Morimoto, T. Ohnishi, S. Ota, A. Ozawa, S. Shimoura, T. Suda, M. Tamaki, I. Tanihata, Y. Wakabayashi, K. Yoshida, B. Cederwall: “Study of High-Spin States in  $^{48}\text{Ca}$  Region Induced by Secondary Fusion Reactions”, International Conference on “Nuclei at the Limits”, Argonne, Illinois, USA, July 26–30, 2004
127. S. Shimoura (invited): “In beam spectroscopy of exotic nuclei via direct reactions of RI beams”, International Symposium on Exotic Nuclei (EXON 2004), Peterhof, Russia, July 5–12, 2004
128. S. Shimoura: “Excited States in Light Unstable Nuclei via Direct Reactions”, RCNP Workshop on Nuclear Forces and Nuclear Structure, Mar. 22–24, 2004, RCNP, Osaka, Japan.

129. E. Ideguchi: “Study of high-spin states by using secondary fusion reaction”, CNS-RIKEN Joint Symposium on Frontier of Gamma-ray Spectroscopy and its Application (GAMMA04), Mar. 18–19, 2004, RIKEN, Wako, Japan.
130. S. Michimasa, S. Shimoura, H. Iwasaki, M. Tamaki, N. Aoi, H. Baba, N. Iwasa, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, T. Minemura, T. Motobayashi, M. Notani, H.J. Ong, S. Ota, A. Saito, H. Sakurai, S. Takeuchi, E. Takashita, Y. Yanagisawa and A. Yoshida: “In-Beam Gamma-ray Spectroscopy of Neutron-rich Nucleus  $^{23}\text{F}$ ”, CNS-RIKEN Joint Symposium on Frontier of Gamma-ray Spectroscopy and its Application (GAMMA04), Mar. 18–19, 2004, RIKEN, Wako, Japan.
131. A. Odahara, Y. Gono, Y. Wakabayashi, T. Fukuchi, N. Hokoïwa, M. Kibe, T. Teranishi, S. Kubono, M. Notani, Y. Yanagisawa, S. Michimasa, J.J. He, H. Iwasaki, S. Shimoura, H. Watanabe, T. Kishida, E. Ideguchi, H. Baba, S. Nishimura, M. Nishimura, J.Y. Moon, S. Kato and H. Sagawa: “Gamma-Ray Spectroscopy by Secondary Fusion Reactions using CRIB”, CNS-RIKEN Joint Symposium on Frontier of Gamma-ray Spectroscopy and its Application (GAMMA04), Mar. 18–19, 2004, RIKEN, Wako, Japan.
132. S. Shimoura (Invited): “Measurements of Excited States in Light Unstable Nuclei”, KEK Workshop on New Developments in Nuclear Physics apart from the Stable Nuclei, Mar. 15–17, 2004, KEK, Tsukuba, Japan.
133. S. Michimasa, S. Shimoura, H. Iwasaki, M. Tamaki, N. Aoi, H. Baba, N. Iwasa, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, T. Minemura, T. Motobayashi, M. Notani, H.J. Ong, S. Ota, A. Saito, H. Sakurai, S. Takeuchi, E. Takashita, Y. Yanagisawa and A. Yoshida: “Gamma-ray Spectroscopy of  $^{23}\text{F}$  with Proton Transfer Reaction”, The Fifth Japan China Joint Nuclear Physics Symposium, Mar. 7–10, 2004, Fukuoka, Japan.
134. A. Odahara, Y. Gono, E. Ideguchi, H. Watanabe, T. Fukuchi and H. Sagawa: “High Spin Shape Isomers in  $N = 83$  Isotones”, The Fifth Japan China joint Nuclear Physics Symposium, Mar. 7–10, 2004, Fukuoka, Japan.
135. S. Shimoura (Invited): “Proton single-particle states in neutron-rich nuclei via  $(\alpha, t)$  reactions at intermediate energy”, ECT\* workshop on Spectroscopic Factors, Mar. 2–12, 2004, Trento, Italy.
136. E. Ideguchi (Invited): “Study of high-spin states in Ca region by using low-energy secondary beam”, Sweden-Japan Joint Symposium on Accelerator Science and Accelerator Based Sciences, Jan. 6–7, 2004. University of Tokyo, Tokyo, Japan.
137. H. Baba, S. Shimoura, A. Saito, T. Minemura, Y. U. Matsuyama, H. Akiyoshi, N. Aoi, T. Gomi, Y. Higurashi, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, S. Kanno, S. Kubono, M. Kunibu, S. Michimasa, T. Motobayashi, T. Nakamura, H. Sakurai, M. Serata, E. Takeshita, S. Takeuchi, T. Teranishi, K. Ue, K. Yamada, and Y. Yanagisawa (poster): “Invariant-mass spectroscopy of  $^{14}\text{O}$  via the  $(\alpha, \alpha')$  reaction”, International Symposium on A New Era of Nuclear Structure Physics (NENS03), Nov. 19–22, 2003, Kurokawa Village, Niigata, Japan.
138. A. Odahara, Y. Gono, Y. Wakabayashi, N. Hokoïwa, M. Kibe, T. Fukuchi, T. Teranishi, S. Kubono, M. Notani, S. Michimasa, J.J. He, S. Shimoura, E. Ideguchi, Y. Yanagisawa, H. Watanabe, T. Kishida, S. Nishimura, M. Nishimura, H. Baba, H. Iwasaki, J. Y. Moon, S. Kato and H. Sagawa: “Development of Unstable Nuclear Beam  $^{17}\text{N}$  to Search for High-Spin Isomers in  $N = 51$  Isotones”, International Symposium on A New Era of Nuclear Structure Physics (NENS03), Nov. 19–22, 2003, Kurokawa Village, Niigata, Japan.
139. S. Ota, T. Murakami, S. Shimoura, S. Michimasa, S. Kubono, T. Teranishi, M. Notani, M. Tamaki, E. Ideguchi, T. Fukuchi, H. Iwasaki, H. Sakurai, N. Aoi, M. Kurokawa, T. Motobayashi, Y. Yanagisawa, T. Minemura, S. Takeuchi, Z. Elekes, M. Ishihara, T. Gomi, K. Yamada, A. Saito, H. Baba, Y.U. Matsuyama, S. Kanno, E. Takeshita, K. Demichi, H. Hasegawa, K. Kurita, A. Odahara, K. Miller: “Spectroscopy of  $^{13}\text{B}$  via  $^4\text{He}(^{12}\text{Be}, ^{13}\text{B})\gamma$  Reaction”, International Symposium on A New Era of Nuclear Structure Physics (NENS03), Nov. 19–22, 2003, Kurokawa Village, Niigata, Japan.
140. S. Shimoura (Invited): “Excited States in Exotic Nuclei Populated by Direct Reactions of RI Beams”, The 8th International Conference on Clustering Aspects of Nuclear Structure and Dynamics (Cluster8), Nov. 24–29, 2003, Nara, Japan.
141. A. Saito, S. Shimoura, S. Takeuchi, T. Motobayashi, T. Minemura, Y. U. Matsuyama, H. Baba, H. Akiyoshi, Y. Ando, N. Aoi, Zs. Fülöp, T. Gomi, Y. Higurashi, M. Hirai, K. Ieki, N. Imai, N. Iwasa, H. Iwasaki, Y. Iwata, S. Kanno, H. Kobayashi, S. Kubono, M. Kunibu, M. Kurokawa, Z. Liu, S. Michimasa, T. Nakamura, S. Ozawa, H. Sakurai, M. Serata, E. Takeshita, T. Teranishi, K. Ue, K. Yamada, Y. Yanagisawa, and M. Ishihara: “Molecular States in Neutron-Rich Beryllium Isotopes”, The 8th International Conference on Clustering Aspects of Nuclear Structure and Dynamics (Cluster8), Nov. 24–29, 2003, Nara, Japan.

142. M. Notani, S. Kubono, T. Teranishi, Y. Yanagisawa, S. Michimasa, K. Ue, J.J. He, H. Iwasaki, H. Baba, M. Tamaki, T. Minemura, S. Shimoura, N. Hokoïwa, Y. Wakabayashi, T. Sasaki, T. Fukuchi, A. Odahara, Y. Gono, Zs. Fülöp, E.K. Lee, K.I. Hahn, J.Y. Moon, C.C. Yun, J.H. Lee, C.S. Lee and S. Kato: “Direct measurement of the astrophysical reaction  $^{14}\text{O}(\alpha, p)^{17}\text{F}$ ”, The 8th International Conference on Clustering Aspects of Nuclear Structure and Dynamics (Cluster8), Nov. 24–29, 2003, Nara, Japan.
143. T. Teranishi, S. Kubono, J.J. He, M. Notani, T. Fukuchi, S. Michimasa, S. Shimoura, S. Nishimura, M. Nishimura, Y. Wakabayashi, N. Hokoïwa, Y. Gono, A. Odahara, H. Ishiyama, Y.X. Watanabe, T. Hashimoto, T. Ishikawa, M.H. Tanaka, H. Miyatake, J.Y. Moon, J.C. Kim, C.S. Lee, V. Guimarães, R.F. Lihenthaler, H. Baba, K. Sato, T. Kawamura, and S. Kato: “Elastic Resonance Scattering of  $^{23}\text{Mg}+p$ ”, Origin of Matter and Evolution of the Galaxies (OMEG03), Nov. 17–19, 2003, RIKEN, Wako, Japan.
144. M. Notani, S. Kubono, T. Teranishi, Y. Yanagisawa, S. Michimasa, K. Ue, J.J. He, H. Iwasaki, H. Baba, M. Tamaki, T. Minemura, S. Shimoura, N. Hokoïwa, Y. Wakabayashi, T. Sasaki, T. Fukuchi, A. Odahara, Y. Gono, Zs. Fülöp, E.K. Lee, K.I. Hahn, J.Y. Moon, C.C. Yun, J.H. Lee, C.S. Lee and S. Kato: “Direct measurement of the astrophysical reaction  $^{14}\text{O}(\alpha, p)^{17}\text{F}$ ”, Origin of Matter and Evolution of the Galaxies (OMEG03), Nov. 17–19, 2003, RIKEN, Wako, Japan.
145. M. Notani, S. Kubono, T. Teranishi, Y. Yanagisawa, S. Michimasa, K. Ue, J.J. He, H. Iwasaki, H. Baba, M. Tamaki, T. Minemura, S. Shimoura, N. Hokoïwa, Y. Wakabayashi, T. Sasaki, T. Fukuchi, A. Odahara, Y. Gono, Zs. Fülöp, E.K. Lee, K.I. Hahn, J.Y. Moon, C.C. Yun, J.H. Lee, C.S. Lee and S. Kato: “Direct measurement of the astrophysical reaction  $^{14}\text{O}(\alpha, p)^{17}\text{F}$ ”, The Sixth International Conference on Radioactive Nuclear Beams (RNB6), Sep. 22–26, 2003, Argonne, USA.
146. T. Teranishi, S. Kubono, J.J. He, M. Notani, T. Fukuchi, S. Michimasa, S. Shimoura, S. Nishimura, M. Nishimura, Y. Yanagisawa, M. Kurokawa, Y. Wakabayashi, N. Hokoïwa, Y. Gono, T. Morikawa, A. Odahara, H. Ishiyama, Y.X. Watanabe, T. Hashimoto, T. Ishikawa, M.H. Tanaka, H. Miyatake, J.Y. Moon, J.H. Lee, J.C. Kim, C.S. Lee, V. Guimarães, R.F. Lihenthaler, H. Baba, A. Saito, K. Sato, T. Kawamura, S. Kato, H. Iwasaki, K. Ue, Y. Satou, and Z. Fülöp: “Low-Energy Radioactive-Ion Beam Separator at CNS and Resonance Scattering Experiments”: Tours Symposium on Nuclear Physics V, Aug. 26–29, 2003, Tours, France.
147. S. Shimoura: “Spectroscopy of Light Exotic Nuclei through Direct Reaction with Inverse Kinematics”, International Conference on Direct Reactions with Exotic Beams (DREB2003), Jul. 10–12, 2003, Surrey, UK.
148. S. Michimasa, S. Shimoura, H. Iwasaki, M. Tamaki, N. Aoi, H. Baba, N. Iwasa, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, T. Minemura, T. Motobayashi, M. Notani, H.J. Ong, S. Ota, A. Saito, H. Sakurai, S. Takeuchi, E. Takashita, Y. Yanagisawa and A. Yoshida: “Measurement of Excited States in  $^{23}\text{F}$  by Proton Transfer and Inelastic Scattering”, International Conference on Direct Reactions with Exotic Beams (DREB2003), Jul. 10–12, 2003, Surrey, UK.
149. S. Ota, S. Shimoura, H. Iwasaki, M. Kurokawa, K. Demichi, S. Michimasa, S. Kubono, T. Teranishi, M. Notani, N. Iwasa, Y. Yanagisawa, T. Minemura, T. Motobayashi, S. Takeuchi, T. Gomi, K. Yamada, A. Saito, H. Baba, Y.U. Matsuyama, S. Kanno, E. Takeshita, K. Hasegawa, H. Sakurai, N. Aoi, T. Murakami, M. Tamaki, E. Ideguchi, T. Fukuchi, A. Odahara, K. Kurita, K. Miller, Z. Elekes, M. Ishihara: “Proton transfer reaction  $^4\text{He}(^{12}\text{Be}, ^{13}\text{B})$  at 50A MeV”, International Conference on Direct Reactions with Exotic Beams (DREB2003), Jul. 10–12, 2003, Surrey, UK.
150. S. Shimoura (Invited): “Position Sensitivity of Ge Detectors and its Applications to In-beam Nuclear Spectroscopy”, International Conference on Imaging Techniques in Subatomic Physics, Astrophysics, Medicine, Biology and Industry (Imaging2003), Jun. 24–27, 2003, Stockholm, Sweden.
151. S. Shimoura (invited): “Spectroscopy of exotic nuclei using intermediate-energy direct reactions”, International Symposium on Physics of Unstable Nuclei (ISPUN02), Nov. 20–25, Halong Bay, Vietnam
152. H. Iwasaki: “Low-lying structure of neutron-rich nuclei around  $N = 8$  and 20 from in-beam gamma-ray spectroscopy”, International Symposium on Frontiers of Collective Motions, Nov. 6–9, 2002, University of Aizu, Aizu-wakamatsu, Japan.
153. S. Shimoura (invited): “Spectroscopy of exotic nuclei using direct reaction of RI beams”, Symposium for the 30th Anniversary of Nuclear Physics Division of the Korean Physical Society, Oct. 24–25, 2002, Hanyan University, Seoul, South Korea

154. S. Shimoura: “Experimental studies of resonant states near thresholds”, Present status and future perspectives in few-body physics, May 24–26, 2002, KEK, Tsukuba, Japan
155. S. Shimoura: “Spectroscopy of exotic nuclei using intermediate-energy secondary nuclear reaction”, Physics by intermediate-energy ion beams, Apr. 3–5, 2002, RCNP, Osaka University, Osaka, Japan

## B. JPS Meetings

1. R. Yokoyama, T. Kubo, N. Inabe, N. Fukuda, H. Takeda, D. Kameda, H. Suzuki, K. Yoshida, K. Kusaka, K. Tanaka, Y. Yanagisawa, M. Otake, T. Onishi, H. Sato, Y. Shimizu, H. Baba, M. Kurokawa, D. Nishimura, K. Ieki, D. Murai, E. Ideguchi, S. Go, T. Fujii, N. Iwasa, H. Yamada, A. Chiba, S. Momota, H. Nishibata, O.B. Tarasov, D.J. Morrissey, B.M. Sherrill, Y. Satou, Kim Sunji, Hwnag Jongwon, G. Simpson: “New isomers in neutron-rich Tb isotopes and their deformation”, JPS Spring meeting, Mar. 26–29, 2013, Hiroshima University, Hiroshima, Japan
2. S. Go, D. Kameda, T. Kubo, N. Inabe, N. Fukuda, H. Takeda, H. Suzuki, K. Yoshida, K. Kusaka, K. Tanaka, Y. Yanagisawa, M. Ohtake, T. Ohnishi, H. Sato, Y. Shimizu, H. Baba, M. Kurokawa, D. Nishimura, N. Iwasa, A. Chiba, H. Yamada, K. Ieki, D. Murai, E. Ideguchi, R. Yokoyama, T. Fujii, H. Nishibata, S. Momota, Y. Sato, J. Hwang, S. Kim, O.B. Tarasov, D.J. Morrissey, B.M. Sherrill, G. Simpson: “N=100 Isomers in neutron rich deformed region”, JPS Spring meeting, Mar. 26–29, 2013, Hiroshima University, Hiroshima, Japan
3. T. Fujii, S. Ota, S. Shimoura, N. Aoi, E. Takeshita, S. Takeuchi, H. Suzuki, H. Baba, T. Fukuchi, T. Fukui, Y. Hashimoto, E. Ideguchi, K. Ieki, N. Iwasa, H. Iwasaki, S. Kanno, Y. Kondo, T. Kubo, K. Kurita, T. Minemura, S. Michimasa, T. Motobayashi, T. Murakami, T. Nakabayashi, T. Nakamura, M. Niikura, T. Okumura, T. Onishi, H. Sakurai, M. Shinohara, D. Suzuki, M. Suzuki, M. Tamaki, K. Tanaka, Y. Togano, Y. Wakabayashi, K. Yamada: “Spectroscopy of nuclei near  $^{32}\text{Mg}$  via  $\alpha$  inelastic scatterings”, JPS Spring meeting, Mar. 26–29, 2013, Hiroshima University, Hiroshima, Japan
4. S. Shimoura: “Multi-particle measurements in experiments at RIPS”, JPS Spring meeting, Mar. 26–29, 2013, Hiroshima University, Hiroshima, Japan
5. H. Miya, S. Shimoura, K. Kisamori, H. Baba, T. Baba, M. Dozono, N. Fukuda, T. Fujii, S. Go, E. Ideguchi, N. Inabe, M. Ito, D. Kameda, T. Kawabata, S. Kawase, Y. Kikuchi, T. Kubo, Y. Kubota, M. Kobayashi, Y. Kondo, C. S. Lee, Y. Maeda, H. Matsubara, K. Miki, S. Michimasa, T. Nishi, M. Nishimura, S. Noji, S. Ota, S. Sakaguchi, H. Sakai, Y. Sasamoto, M. Sasano, H. Sato, Y. Shimizu, H. Suzuki, M. Takaki, H. Takeda, S. Takeuchi, A. Tamii, H. Tokieda, M. Tsumura, T. Uesaka, Y. Yanagisawa, K. Yako, R. Yokoyama, K. Yoshida, M. Assie, D. Beaumel, H. Fariouz, A. Stolz: “Study of spin-isospin response via exothermic charge exchange ( $^8\text{He}$ ,  $^8\text{Li}\gamma$ )”, JPS Fall meeting, Sep. 11–14, 2012, Kyoto Sangyo University, Miura-gun, Kyoto, Japan.
6. M. Kobayashi, S. Shimoura, K. Yako, S. Ota, S. Kawase, K. Kisamori, Y. Kubota, M. Sasano, M. Takaki, M. Dozono, S. Michimasa, H. Miya and C.S. Lee (Oral): “Development of a system for ( $p, n$ ) measurements in inverse kinematics”, JPS Fall meeting, Sep. 11–14, 2012, Kyoto Sangyo University, Kyoto, Japan.
7. K. Kisamori, S. Shimoura, C. Lee, E. Ideguchi, N. Inabe, M. Ito, T. Uesaka, S. Ota, D. Kameda, T. Kawabata, S. Kawase, Y. Kikuchi, T. Kubo, Y. Kubota, S. Go, M. Kobayashi, Y. Kondo, S. Sakaguchi, H. Sakai, Y. Sasamoto, M. Sasano, H. Sato, Y. Shimizu, H. Suzuki, M. Takaki, A. Tamii, H. Takeda, S. Takeuchi, M. Tumura, H. Tokieda, T. Nishi, M. Nishimura, S. Noji, H. Baba, T. Baba, M. Dozono, N. Fukuda, T. Fujii, Y. Maeda, H. Matsubara, K. Miki, S. Michimasa, H. Miya, Y. Yanagisawa, K. Yako, R. Yokoyama, K. Yoshida, M. Assie, D. Beaumel, H. Fariouz, A. Stolz: “Missing mass spectroscopy of  $4n$  system by exothermic double-charge exchange reaction  $^4\text{He}(^8\text{He}, ^8\text{Be})4n$ ”, JPS Fall meeting, Sep. 11–14, 2012, Kyoto Sangyo University, Kyoto, Japan.
8. S. Go, D. Kameda, T. Kubo, N. Inabe, N. Fukuda, H. Takeda, H. Suzuki, K. Yoshida, K. Kusaka, K. Tanaka, Y. Yanagisawa, M. Ohtake, T. Ohnishi, H. Sato, Y. Shimizu, H. Baba, M. Kurokawa, D. Nishimura, N. Iwasa, A. Chiba, H. Yamada, K. Ieki, D. Murai, E. Ideguchi, R. Yokoyama, T. Fujii, H. Nishibata, S. Momota, Y. Sato, J. Hwang, S. Kim, O.B. Tarasov, D.J. Morrissey, B.M. Sherrill, G. Simpson: “Isomers at N=100 in neutron rich region”, JPS Fall meeting, Sep. 11–14, 2012, Kyoto Sangyo University, Kyoto, Japan.
9. R. Yokoyama, T. Kubo, N. Inabe, N. Fukuda, H. Takeda, D. Kameda, H. Suzuki, K. Yoshida, K. Kusaka, K. Tanaka, Y. Yanagisawa, M. Otake, T. Onishi, H. Sato, Y. Shimizu, H. Baba, M. Kurokawa, D. Nishimura, K. Ieki, D. Murai, E. Ideguchi, S. Go, T. Fujii, N. Iwasa, H. Yamada, A. Chiba, S. Momota, H. Nishibata, O.B. Tarasov, D.J. Morrissey, B.M. Sherrill, Y. Satou, Kim Sunji, Hwnag Jongwon, G. Simpson: “中性子過剰 Z=60 近傍のアイソマー探索”, JPS Fall meeting, Sep. 11–14, 2012, Kyoto Sangyo University, Kyoto, Japan.

10. T. Fujii, S. Ota, S. Shimoura, N. Aoi, E. Takeshita, S. Takeuchi, H. Suzuki, H. Baba, T. Fukuchi, T. Fukui, Y. Hashimoto, E. Ideguchi, K. Ieki, N. Iwasa, H. Iwasaki, S. Kanno, Y. Kondo, T. Kubo, K. Kurita, T. Minemura, S. Michimasa, T. Motobayashi, T. Murakami, T. Nakabayashi, T. Nakamura, M. Niikura, T. Okkumura, T. Onishi, H. Sakurai, M. Shinohara, D. Suzuki, M. Suzuki, M. Tamaki, K. Tanaka, Y. Togano, Y. Wakabayashi, K. Yamada: "Alpha inelastic scattering from nuclei near  $^{32}\text{Mg}$ ", JPS Spring Meeting, March 24–27, 2012, Kwansai Gakuin University, Nishinomiya, Japan.
11. S. Shimoura: "Map of radiation in soil", JPS Spring Meeting, March 24–27, 2012, Kwansai Gakuin University, Nishinomiya, Japan.
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74. T. Fukuchi, S. Shimoura, M. Kurokawa: “Performance of CNS Ge array”, at the JPS Fall meeting, Sep. 9–12, 2003, Miyazaki World Convention Center “Summit”, Miyazaki, Japan.
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80. S. Ota, S. Shimoura, H. Iwasaki, M. Kurokawa, S. Michimasa, S. Kubono, T. Teranishi, M. Notani, M. Tamaki, T. Murakami, N. Iwasa, T. Motobayashi, Y. Yanagisawa, T. Minemura, S. Takeuchi, T. Gomi, K. Yamada, A. Saito, H. Baba, Y.U. Matsuyama, S. Kanno, E. Takeshita, K. Demichi, K. Hasegawa, K. Kurita, H. Sakurai, N. Aoi, E. Ideguchi, A. Odahara, T. Fukuchi, K. Miller, Z. Elekes, M. Ishihara: "Spectroscopy of  $^{13}\text{B}$  via  $^4\text{He}(^{12}\text{Be}, ^{13}\text{B}\gamma)$  Reaction", at the JPS Fall meeting, Sep. 9–12, 2003, Miyazaki World Convention Center "Summit", Miyazaki, Japan.
81. S. Shimoura: "Spectroscopy of Exotic Nuclei via Intermediate-Energy Direct Reactions with light probes", at the JPS Fall meeting, September 9–12, 2003, Miyazaki World Convention Center "Summit", Miyazaki, Japan.
82. M. Tamaki, S. Shimoura, H. Iwasaki, S. Michimasa, N. Aoi, N. Iwasa, H.J. Ong, S. Ota, S. Kanno, S. Kubono, K. Kurita, M. Kurokawa, A. Saito, H. Sakurai, S. Takeuchi, E. Takeshita, M. Notani, H. Baba, T. Minemura, T. Motobayashi, Y. Yanagisawa, A. Yoshida: "Alpha Inelastic Scattering of the Neutron-Rich Nucleus  $^{22}\text{O}$ ", at the JPS Fall meeting, Sep. 9–12, 2003, Miyazaki World Convention Center "Summit", Miyazaki, Japan.

### C. Lectures

1. S. Shimoura: "Physics of Exotic Nuclei", Kyoto University, July 25-27, 2012
2. S. Shimoura: 「原子核と放射線 放射線って何？それはどこから、どうして、どのように？」学校の先生のための放射線勉強会, May 8 and July 16, 2011, University of Tokyo, Tokyo, Japan.
3. S. Shimoura: 「放射能とは何か」東京大学 理工医農 4 研究科横断講義「放射線を知る」, Nov. 11, 2012, University of Tokyo, Tokyo, Japan.
4. S. Shimoura: "Exotic Nuclear System – Varieties in quantum system of protons and neutrons –", June 1–2, 2010, Chiba University, Chiba, Japan.
5. S. Shimoura: "Reactions of RI beams for studying exotic nuclei", The 8th CNS-EFES International Summer School (CNS-EFES09), Aug. 26 – Sep. 1, 2009, Wako, Japan
6. S. Shimoura: "Lectures on Practical Nuclear Reaction Theory for Experimentalists", Lecture Series on Nuclear Physics, Course IV, July 31, 2007; December 11, 2007; May 27, 2008, RIKEN, Wako, Japan
7. S. Shimoura: "Special Lectures on Variety of Structure in Asymmetric Nuclei", June 5–7, 2006, Tohoku University, Sendai, Japan
8. S. Shimoura: "Special Lectures on Structure of Unstable Nuclei", May 26–28, 2004, Osaka University, Osaka, Japan
9. S. Shimoura: "Special Lectures on Structure and Reactions of Nuclei far from the Stable Line", June 10–11, 2004, Osaka City University, Osaka, Japan
10. S. Shimoura: "Special Lectures on Nanometer-scale Quantum Physics", June 21–23, 2004, Tokyo Institute of Technology, Tokyo, Japan
11. S. Shimoura: "Special Lectures on Exotic Nuclei", Jul. 16–18, 2003, Kyushu University, Fukuoka, Japan.

### D. Seminars

1. S. Shimoura: 「エキゾチック核の直接反応で探る原子核の多様性」, July 26, 2012, Kyoto University, Kyoto, Japan

2. S. Shimoura: "Structure of exotic nuclei probed by direct reactions", June 2, 2010, Chiba University, Chiba, Japan
3. S. Ota: "Low-lying Proton Intruder State in  $^{13}\text{B}$ ", at the CNS/RIBF Seminar, July 21st, 2009, RIKEN, Saitama, Japan.
4. S. Shimoura: "In-beam spectroscopy of exotic nuclei via direct reactions of RI beams", February 27, 2009, LBNL, Berkeley, USA.
5. S. Shimoura: "Structure of light exotic nuclei via  $\alpha$ -induced direct reaction", February 13, 2009, RCNP, Osaka University, Osaka, Japan.
6. S. Shimoura: "In-beam spectroscopy of exotic nuclei via direct reactions of RI beams", February 27, 2009, LBNL, Berkeley, USA.
7. E. Ideguchi: "Overview and status of RIBF", December 5, 2008, ANL, Argonne, IL, USA.
8. E. Ideguchi: "Study of Large Deformed Nucleus in High-Spin States", November 28, 2006, Tohoku University