Curriculum Vitae

Deuk Soon Ahn

Professor (FRIB) & Deputy Fragment Separation Department Head

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- **Research Interests**
  - Experimental nuclear physics
  - Rare Isotope science: Discovery and search for new isotopes, Dripline search
  - Rare Isotope beam production and separation using the in-flight separator
  - Particle Identification for rare isotopes
  - Investigation of production reaction mechanism in projectile fragmentation and fission
  - Measurement of production cross sections
  - Study of beam production with the two-step method for the extremely rare isotopes using the in-flight separator and ISOL and In-Flight method
  - Detector development for rare isotope beam production

- **Educations**

  MS, Nuclear Physics, Department of Physics, Pusan National University, Korea, 2003
  PhD, Nuclear Physics, Department of Physics, Osaka University, Japan, 2013

- **Employment**

July 2025 ~ present	Professor & Deputy Fragment Separation Department Head, Facility for Rare Isotope Beams (FRIB), Michigan State University (MSU), USA
Oct 2021 ~ June 2025	Nuclear Reaction Group Leader & Senior Research Fellow, Center for Exotic Nuclear Studies (CENS), Institute for Basic Science (IBS), Korea
July 2020 ~ present	Visiting Scientist at RIKEN Nishina Center, Japan
Jan 2020 ~ Sep 2021	Senior Researcher, Korea Basic Science Institute (KBSI), Korea
Apr 2018 ~ Jan 2020	Contract Researcher, Nishina Center for Accelerated-Based Science, RIKEN, Japan
Apr 2013 ~ Mar 2018	Postdoctoral Researcher, Nishina Center for Accelerated-Based Science, RIKEN, Japan
Apr 2007 ~ Mar 2013	Assistant educational supporting staff, RCNP, Osaka University, Japan
Aug 2006 ~ Mar 2007	Research Assistant, RCNP, Osaka University, Japan
Oct 2002 ~ Mar 2003	Research Student, Department of Physics, Osaka University, Japan
Sep 2001 ~ Feb 2003	TA (Radioisotope Assistant), Pusan National University, Korea

- **Honors/Awards**

Jan 2025	2025 Minister's Award for Contribution to the International Science Business Belt development (Ministry of Science and ICT), Korea
Nov 2024	IBS Outstanding Researcher Award (IBS), Korea
Oct 2024	Sisa Journal's Next-Generation Leaders 100 in 2024, Korea

Mar 2024	RIKEN BAIHO Award for research excellence, RIKEN, Japan (Discovery of extremely neutron-rich isotope ^{39}Na)
Mar 2020	RIKEN BAIHO Award for research excellence, RIKEN, Japan (Discovery of ^{60}Ca and Implications for the stability of ^{70}Ca)
Apr 2005	Poster Presentation Award, Korean Physics Society Meeting, Korea
Apr 2003 ~ Mar 2006	Funding from the Japanese Government Scholarship (MEXT) for Ph.D. Student, Japan
Oct 2002 ~ Mar 2003	Funding from the Japanese Government Scholarship (MEXT) for Research student, Japan

- **Synergetic Activities**

Representative Committee Activities

Apr. 2025~ present	Advisory Committee Member for the Global Collaborative Projects Council, National Research Foundation of Korea (NRF)
Jan 2024 ~ Dec 2025 (scheduled)	Committee member for science policy and planning at Association of Korean Woman Scientists & Engineers (KWSE)
Jan 2024 ~ June 2025	Committee member for Large-scale research facility at Presidential Advisory Council on Science & Technology (Ministry of Science and ICT)
Jan 2024 ~ Dec 2025 (scheduled)	Steering committee member RAON Users Association
July 2023 ~ July 2025	Steering committee member for the RAON R&D project
Jan 2023 ~ Dec 2024	Deliberation committee member at National Research Facilities & Equipment Center (Ministry of Science and ICT)
July 2022 ~ June 2026 (scheduled)	Steering committee member at Division of Nuclear Physics, Korea Physical Society (KPS)
Apr 2021 ~ Apr 2023	Evaluation committee member of Rare Isotope Science Project

Conference organizer

- International Advisory Committee for the 8th international Workshop on Compound-Nuclear Reactions and Related Topics (CNR*26), 2026
- International Advisory Committee for 20th International Conference on Electromagnetic Isotope Separators and Related Topics (EMISXX), 2025
- Local organizing committee for the International Nuclear Physics Conference (INPC 2025)
- Local organizing committee for the 17th international symposium on Nuclei in the Cosmos (NIC XVII), 2023
- Organizer of the TAUN collaboration meeting at IBS physics centers, 2023
- Co-organizer and local organizing committee of the 19th International Conference on Electromagnetic Isotope Separators and Related Topics (EMIS), 2022

Editor and reviewer

- Executive guest editor of Nuclear Inst. and Methods in Physis Research B (2023)
- Review of Journal of Korea Physical Society (2023, 2024)

MOU contribution

Jan 2024	Memorandum of Understanding for Research Collaboration between RIKEN Nishina Center for Accelerator-Based Science, Japan and Center for Exotic Nuclear Studies, Institute for Basic Science, Korea

Outreach activities

- Public lecture of RAON Users Association (2023)
- Committee member of RUA-CENS outreach activities (2023)
- CENS Summer School for Undergraduates (CSSU) (2022,2023)
- Committee member of C2R2 seminars at the division of nuclear physics (2022, 2023)
- Committee member of the physics seminars at the IBS particle and nuclear physics cluster (2023, 2024)
- Organizer of the CENS seminar, IBS (2022~2024)

- **Research Highlights and News Media from our collaborations**

1. Kyosu News (Feb. 2025)
   http://www.kyosu.net/news/articleView.html?idxno=131266
2. She did it, Korea Foundation for Women In Science, Engineering and Technology
   https://blog.naver.com/wisetter/223664767626 (Nov. 2024)
3. Sisa Journal's Next-Generation Leaders 100 in 2024 (Oct 2024)
   https://www.sisajournal.com/news/articleView.html?idxno=311821
4. A news broadcast about the first IRIS PAC (Mar. 2024)
   https://news.kbs.co.kr/news/pc/view/view.do?ncd=7910110&ref=A
5. A New Isotope of Sodium – Periodic Table of Videos (YouTube, Apr. 2023)
   https://www.youtube.com/watch?v=vl0_DElyTZU
6. Special broadcasts about heavy-ion accelerator facilities were given by KBS, MBC, TJB broadcasts. (Jan 9~12, 2023)
7. Probing the limits of nuclear existence (Nov 2022)
   https://physics.aps.org/articles/v15/177
8. Reaching the Limits of Nuclear Existence (Nov 2019)
   https://physics.aps.org/articles/v12/126
9. Neutron dripline extended to fluorine and neon isotopes (Nov 2019)

https://physicsworld.com/a/neutron-dripline-extended-to-fluorine-and-neon-isotopes/

10. RIKEN Press release (Nov 2019)

- First determination of the existence limits of fluorine and neon isotopes
- The boundaries of nuclear chart have been updated for the first time in 20 years -
  https://www.riken.jp/press/2019/20191119_1/index.html

11. RIKEN Press release (July 2018)

- A major advancement in the research of the superheavy Ca isotopes, Discovery of the neutron-rich doubly-magic nucleus ^{60}Ca
  https://www.riken.jp/press/2018/20180712_1/index.html

12. Science, How many neutrons can you cram into an atom? (July 2018)
    https://www.sciencemag.org/news/2018/07/how-many-neutrons-can-you-cram-atom-more-physicists-thought
13. RIKEN Press release (Nov 2017)

- Discovery of a new isotope Rb-72
  https://www.riken.jp/press/2017/20171106_1/

- **List of publications (As of Aug. 2025)**

1. Impact of Newly Measured β-Delayed Neutron Emitters around ^{78}Ni on Light Element Nucleosynthesis in the Neutrino Wind Following a Neutron Star Merger (Physical Review Letters 134, 172701 (2025))

A. Tolosa-Delgado, J. L. Tain, M. Reichert, A. Arcones, M. Eichler, B. C. Rasco, N. T. Brewer, K. P. Rykaczewski, R. Yokoyama, R. Grzywacz, I. Dillmann, J. Agramunt, **D. S. Ahn**, A. Algora, H. Baba, S. Bae, C. G. Bruno, R. Caballero Folch, F. Calvino, P. J. Coleman-Smith, G. Cortes, T. Davinson, C. Domingo-Pardo, A. Estrade, N. Fukuda, S. Go, C. J. Griffin, J. Ha, O. Hall, L. Harkness-Brennan, T. Isobe, D. Kahl, M. Karny, L. H. Khiem, G. G. Kiss, M. Kogimtzis, A. Korgul, S. Kubono, M. Labiche, I. Lazarus, J. Liang, J. Lee, J. Liu, G. Lorusso, K. Matsui, K. Miernik, F. Montes, B. Moon, A. I. Morales, N. Nepal, S. Nishimura, R. D. Page, M. Piersa-Siłkowska, V. H. Phong, Zs. Podolyák, V. F. E. Pucknell, P. H. Regan, B. Rubio, Y. Saito, H. Sakurai, Y. Shimizu, J. Simpson, P.-A. Söderström, D. W. Stracener, T. Sumikama, R. Surman, H. Suzuki, M. Takechi, H. Takeda, A. Tarifeño-Saldivia, S. L. Thomas, M. Wolińska-Cichocka, P. J. Woods, and X. X. Xu

2. Discovery of ^{98}Sn Produced by the Projectile Fragmentation of a 345-MeV/Nucleon ^{124}Xe Beam (Prog. Theor. Exp. Phys. 2025, 053D02 (2025))

H. Suzuki, N. Fukuda, H. Takeda, Y. Shimizu, **D. S. Ahn**, T. Komatsubara, A. Algora, B. Rubio, J. A. Victoria, J. L. Tain, A. Tolosa, J. Agramunt, E. Nacher, S. E. A. Orrigo, V. Guadilla, G. Kiss, D. Sohler, I. Kuti, T. Davinson, O. B. Hall, D. Kahl, C. G. Bruno, C. J. Appleton, P. J. Woods, S. Nishimura, H. Baba, D. Nishimura, T. Isobe, M. Kaneko, S. Kubono, H. Sakurai, H. Shimizu, T. Sumikama, P. Doornenbal, M. L. Cortes, Zs. Podolyak, E. Ganioglu, Y. Fujita, F. Molina, J. Liu, J. Lee, K. P. Rykaczewski, M. Wolinska-Cichocka, M. Labiche, C. J. Griffin, S. Bae, J. Ha, Yu. A. Litvinov, K. Kusaka, Y. Yanagisawa, M. Ohtake, N. Fukunishi, and S. Michimasa

3. Measurement of charge-changing cross section of neutron-rich nitrogen isotopes for determining their proton radii (Nucl. Phys. A1054, 122983 (2025))

A. Roy, R. Kanungo, D. Prajapati, Y.K. Tanaka, S. Bagchi, H. Geissel, P. Doornenbal, W. Horiuchi, **D.S. Ahn**, H. Baba, K. Behr, F. Browne, S. Chen, M.L. Cortés, A. Estradé, N. Fukuda, M. Holl, K. Itahashi, N. Iwasa, W.G. Jiang, S. Kaur, S.Y. Matsumoto, S. Momiyama, I. Murray, T. Nakamura, S.J. Novario, H.J. Ong, S. Paschalis, A. Prochazka, C. Scheidenberger, P. Schrock, Y. Shimizu, D. Steppenbeck, H. Sakurai, D. Suzuki, H. Suzuki, M. Takechi, H. Takeda, S. Takeuchi, R. Taniuchi, K. Wimmer, K. Yoshida

4. Investigation of the proton radius of the Borromean halo nucleus ^{19}B (Nucl. Phys. A1053, 122977 (2025))

D. Prajapati, R. Kanungo, Y.K. Tanaka, S. Bagchi, H. Geissel, P. Doornenbal, W. Horiuchi, **D.S. Ahn**, H. Baba, K. Behr, F. Browne, S. Chen, M.L. Cortés, A. Estradé, N. Fukuda, M. Holl, K. Itahashi, N. Iwasa, W.G. Jiang, S. Kaur, S.Y. Matsumoto, S. Momiyama, I. Murray, T. Nakamura, S.J. Novario, H.J. Ong, S. Paschalis, A. Prochazka, C. Scheidenberger, P. Schrock, Y. Shimizu, D. Steppenbeck, H. Sakurai, D. Suzuki, H. Suzuki, M. Takechi, H. Takeda, S. Takeuchi, R. Taniuchi, K. Wimmer, K. Yoshida

5. ONOKORO project: Comprehensive research of cluster formation in medium-heavy and heavy nuclei (Nucl. Phys. A1060, 123123 (2025))

Yuki Kubota, Kodjo Agbekponou, **DeukSoon Ahn**, Hidetada Baba, Koshi Higuchi, Yuto Hijikata, Sunji Kim, Yosuke Kondo, Shumpei Koyama, Kazuki Kyo, Kenjiro Miki, Tomoya Nakada, Shingo

Ogio, Thomas Pohl, Taiki Sugiyama, Shoko Takeshige, Junki Tanaka, Ryotaro Tsuji, Ren Urayama, Kanta Yahiro, Zaihong Yang, Takayuki Yano, Ryohsuke Yoshida, Juzo Zenihiro, Tomohiro Uesaka

6. Isospin Symmetry Breaking in the ^{71}Kr and ^{71}Br Mirror System (Physical Review Letters 134, 162502 (2025))

A. Algora, A. Vitéz-Sveiczer, A. Poves, G. G. Kiss, B. Rubio, G. de Angelis, F. Recchia, S. Nishimura, T. Rodriguez, P. Sarriguren, J. Agramunt, V. Guadilla, A. Montaner-Pizá, A. I. Morales, S. E. A. Orrigo, D. Napoli, S. M. Lenzi, A. Boso, V. H. Phong, J. Wu, P.-A. Söderström, T. Sumikama, H. Suzuki, H. Takeda, **D. S. Ahn**, H. Baba, P. Doornenbal, N. Fukuda, N. Inabe, T. Isobe, T. Kubo, S. Kubono, H. Sakurai, Y. Shimizu, S. Chen, B. Blank, P. Ascher, M. Gerbaux, T. Goigoux, J. Giovinazzo, S. Grévy, T. Kurtukián Nieto, C. Magron, W. Gelletly, Zs. Dombrádi, Y. Fujita, M. Tanaka, P. Aguilera, F. Molina, J. Eberth, F. Diel, D. Lubos, C. Borcea, E. Ganioglu, D. Nishimura, H. Oikawa, Y. Takei, S. Yagi, W. Korten, G. de France, P. Davies, J. Liu, J. Lee, T. Lokotko, I. Kojouharov, N. Kurz, H. Schaffner, and A. T. Kruppa

7. Constraining nucleon effective masses with flow and stopping observables from the SπRIT experiment (Phys. Lett. B 853, 138661 (2024))

C.Y. Tsang, M. Kurata-Nishimura, M.B. Tsang, W.G. Lynch, Y.X. Zhang , J. Barney, J. Estee, G. Jhang, R. Wang, M. Kaneko, J.W. Lee, T. Isobe, T. Murakami, **D.S. Ahn**, L. Atar, T. Aumann, H. Baba, K. Boretzky, J. Brzychczyk, G. Cerizza, N. Chiga, N. Fukuda, I. Gasparic, B. Hong, A. Horvat, K. Ieki, N. Inabe, Y.J. Kim, T. Kobayashi, Y. Kondo, P. Lasko, H.S. Lee, Y. Leifels, J. Łukasik, J. Manfredi, A.B. McIntosh, P. Morfouace, T. Nakamura, N. Nakatsuka, S. Nishimura, H. Otsu, P. Pawłowski, K. Pelczar, D. Rossi, H. Sakurai, C. Santamaria, H. Sato, H. Scheit, R. Shane, Y. Shimizu, H. Simon, A. Snoch, A. Sochocka, T. Sumikama, H. Suzuki, D. Suzuki, H. Takeda, S. Tangwancharoen, H. Törnqvist, Y. Togano, Z.G. Xiao, S.J. Yennello, Y. Zhang, SπRIT collaboration

8. Observation of New Isotopes in the Fragmentation of ^{198}Pt at FRIB (Physical Review Letters 132, 072501 (2024))

O. B. Tarasov, A. Gade, K. Fukushima, M. Hausmann, E. Kwan, M. Portillo, M. Smith, **D. S. Ahn**, D. Bazin, R. Chyzh, S. Giraud, K. Haak, T. Kubo, D. J. Morrissey, P. N. Ostroumov, I. Richardson, B. M. Sherrill, A. Stolz, S. Watters, D. Weisshaar, and T. Zhang

9. Study of Gamow-Teller giant resonance in ^{11}Li drip-line nucleus (Nuovo Cim. C 47, 39 (2024))

L. Stuhl, M. Sasano, J. Gao, Y. Hirai, K. Yako, T. Wakasa, **D. S. Ahn**, H. Baba, A. I. Chilug, S. Franchoo, Y. Fujino, N. Fukuda, J. Gibelin, I. S. Hahn, Z. Halász, T. Harada, M. N. Harakeh, D. Inomoto, T. Isobe, H. Kasahara, D. Kim, G. G. Kiss, T. Kobayashi, Y. Kondo, Z. Korkulu, S. Koyama, Y. Kubota, A. Kurihara, H. N. Liu, M. Matsumoto, S. Michimasa, H. Miki, M. Miwa, T. Motobayashi, T. Nakamura, M. Nishimura, H. Otsu, V. Panin, S. Park A. T. Saito, H. Sakai, H. Sato, T. Shimada, Y. Shimizu, S. Shimoura, A. Spiridon, I. C. Stefanescu, X. Sun, Y. L. Sun, H. Suzuki, E. Takada, Y. Togano, T. Tomai, L. Trache, D. Tudor, T. Uesaka, H. Yamada, Z. Yang, M. Yasuda, K. Yoneda, K. Yoshida, J. Zenihiro, N. Zhang

10. Production of new neutron-rich isotopes near the N=60 isotones ^{92}Ge and ^{93}As by in-flight fission of a 345 MeV/ nucleon ^{238}U beam (Phys. Rev. C 109, 044313 (2024))

Y. Shimizu, T. Kubo, T. Sumikama, N. Fukuda, H. Takeda, H. Suzuki, **D. S. Ahn**, N. Inabe, K. Kusaka, M. Ohtake, Y. Yanagisawa, K. Yoshida, Y. Ichikawa, T. Isobe, H. Otsu, H. Sato, T. Sonoda, D. Murai, N. Iwasa, N. Imai, Y. Hirayama, S. C. Jeong, S. Kimura, H. Miyatake, M. Mukai, D. G.

Kim, E. Kim, and A. Yagi

11. First β-decay spectroscopy of the $_{52}^{139}Te_{87}$ nucleus and its P_n branching (Phys. Rev. C 110, 064303 (2024))
R. Lozeva, M. Si, H. Naïdja, A. Odahara, C.-B. Moon, S. Nishimura, P. Doornenbal, G. Lorusso, P.-A. Söderström, T. Sumikama, J. Wu, Z. Y. Xu, **D. S. Ahn**, H. Baba, F. Browne, R. Daido, Y. Fang, N. Fukuda, N. Inabe, T. Isobe, D. Kameda, I. Kojouharov, N. Kurz, T. Kubo, D. Murai, Z. Patel, S. Rice, H. Sakurai, H. Schaffner, L. Sinclair, H. Suzuki, H. Takeda, H. Watanabe, A. Yagi, R. Yokoyama, F. L. Bello Garrote, J.-M. Daugas, F. Didierjean, E. Ideguchi, T. Ishigaki, H. S. Jung, T. Komatsubara, Y. K. Kwon, P. Lee, C. S. Lee, S. Morimoto, M. Niikura, H. Nishibata, and I. Nishizuka

12. Neutron capture reaction cross-section of ^{79}Se through the ^{79}Se(d,p) reaction in inverse kinematics (Phys. Lett. B, 850, 138470 (2024))
N. Imai, M. Dozono, S. Michimasa, T. Sumikama, S. Ota, S. Hayakawa, J.W. Hwang, K. Iribe, C. Iwamoto, S. Kawase, K. Kawata, N. Kitamura, S. Masuoka, K. Nakano, P. Schrock, D. Suzuki, R. Tsunoda, K. Wimmer, **D.S. Ahn**, O. Beliuskina, N. Chiga, N. Fukuda, E. Ideguchi, K. Kusaka, H. Miki, H. Miyatake, D. Nagae, S. Ohmika, M. Ohtake, H.J. Ong, H. Otsu, H. Sakurai, H. Shimizu, Y. Shimizu, X. Sun, H. Suzuki, M. Takaki, H. Takeda, S. Takeuchi, T. Teranishi, Y. Watanabe, Y.X. Watanabe, K. Yako, H. Yamada, H. Yamaguchi, L. Yang, R. Yanagihara, Y. Yanagisawa, K. Yoshida, S. Shimoura

13. Low-lying excited states in ^{62}Ge investigated by multinucleon knock-out reaction (J.Phys.(London) G51, 105102 (2024))
Z Elekes, V Panin, T R Rodríguez, K Sieja, **D S Ahn**, A Al-Adili, H Baba, A I Stefanescu, K J Cook, Cs Dósa, N Fukuda, J Gao, J Gibelin, K I Hahn, Z Halász, S W Huang, T Isobe, M M Juhász, D Kim, T Kobayashi, Y Kondo, Z Korkulu, A Kurihara, I Kuti, H Miki, K Miki, T Motobayashi, H Otsu, A Saastamoinen, M Sasano, H Sato, N H Shadhin, T Shimada, Y Shimizu, I C Stefanescu, L Stuhl, H Suzuki, H Takeda, Y Togano, T Tomai, L Trache, D Tudor, T Uesaka, Y Utsuki, H Wang, A Yasuda, K Yoneda and Y Yoshitome

14. Multi-purpose low energy beam transport system for light heavy-ion beam accelerator (Nucl. Instrum. Methods Phys. Res. B 541, 102-105 (2023))
Jungbae Bahng, Seong Jun Kim, Jung-Woo Ok, **Deuk Soon Ahn**, Jang-Hee Yoon, Bong-Hyuk Choi, Seung-Hee Nam, Yona Choi, Jonggi Hong, Mi-Sook Won, Jin Yong Park

15. Shape coexistence in ^{66}Se (Phys.Lett. B 844, 138072 (2023))
Z.Elekes, V.Panin, T.R.Rodriguez, K.Sieja, **D.S.Ahn**, A.Al-Adili, H.Baba, A.I.Stefanescu, K.J.Cook, Cs.Dosa, N.Fukuda, J.Gao, J.Gibelin, K.I.Hahn, Z.Halasz, S.W.Huang, T.Isobe, M.M.Juhasz, D.Kim, T.Kobayashi, Y.Kondo, Z.Korkulu, A.Kurihara, I.Kuti, H.Miki, K.Miki, T.Motobayashi, H.Otsu, A.Saastamoinen, M.Sasano, H.Sato, T.Shimada, Y.Shimizu, L.G.Sobotka, I.Stefanescu, L.Stuhl, H.Suzuki, H.Takeda, Y.Togano, T.Tomai, L.Trache, D.Tudor, T.Uesaka, Y.Utsuki, H.Wang, A.Yasuda, K.Yoneda, Y.Yoshitome

16. β-delayed neutron emissions from N>50 gallium isotopes (Phys.Rev. C 108, 064307 (2023))
R.Yokoyama, R.Grzywacz, B.C.Rasco, N.Brewer, K.P.Rykaczewski, I.Dillmann, J.L.Tain, S.Nishimura, **D.S.Ahn**, A.Algora, J.M.Allmond, J.Agramunt, H.Baba, S.Bae, C.G.Bruno, R.Caballero-Folch, F.Calvino, P.J.Coleman-Smith, G.Cortes, T.Davinson, C.Domingo-Pardo, A.Estrade, N.Fukuda, S.Go, C.J.Griffin, J.Ha, O.Hall, L.J.Harkness-Brennan, J.Heideman,

T.Isobe, D.Kahl, M.Karny, T.Kawano, L.H.Khiem, T.T.King, G.G.Kiss, A.Korgul, S.Kubono, M.Labiche, I.Lazarus, J.Liang, J.Liu, G.Lorusso, M.Madurga, K.Matsui, K.Miernik, F.Montes, A.I.Morales, P.Morrall, N.Nepal, R.D.Page, V.H.Phong, M.Piersa-Silkowska, M.Prydderch, V.F.E.Pucknell, M.M.Rajabali, B.Rubio, Y.Saito, H.Sakurai, Y.Shimizu, J.Simpson, M.Singh, D.W.Stracener, T.Sumikama, H.Suzuki, H.Takeda, A.Tarifeno-Saldivia, S.L.Thomas, A.Tolosa-Delgado, M.Wolinska-Cichocka, P.J.Woods, X.X.Xu

17. KoBRA Wien filter for low-energy RI beam production and recoil separation (Nucl. Instrum. Methods Phys. Res. B 541, 1-3 (2023))
J.W. Hwang, S. Ahn, **D.S. Ahn**, D. Kim, K.I. Hahn, K. Tshoo, M. Kwag

18. A position-sensitive large-area microchannel plate detector with digital data-acquisition system for studies of exotic nuclei (Nucl. Instrum. Methods Phys. Res. B 541, 232- (2023))
Z. Korkulu, L. Stuhl, S. Naimi, Zs. Dombrádi, K.I. Hahn, J.Y. Moon e, **D.S. Ahn**, Z. Halász, G. Hudson-Chang

19. Development and characterization of new position-sensitive silicon strip detectors (Nucl. Instrum. Methods Phys. Res. B 541, 134-(2023))
X. Pereira-Lopez, S. Ahn, **D.S. Ahn**, S. Bae, S.M. Cha, K.I. Hahn, J.W. Hwang, D. Kim, M.J. Kim, H.Y. Lee, B. Moon, C. Park

20. Development of the STARK detector for nuclear reaction studies (Nucl. Instrum. Methods Phys. Res. B 540, 30-(2023))
D. Kim, S. Ahn, **D.S. Ahn**, S. Bae, S.M. Cha, K.Y. Chae, K.I. Hahn, J.W. Hwang, M.J. Kim, H.Y. Lee, B. Moon, C. Park, X. Pereira-López

21. Chiral symmetry restoration at high matter density observed in pionic atoms (Nature Physics volume 19, pages788–793 (2023)
Takahiro Nishi, Kenta Itahashi, **DeukSoon Ahn**, Georg P. A. Berg, Masanori Dozono, Daijiro Etoh, Hiroyuki Fujioka, Naoki Fukuda, Nobuhisa Fukunishi, Hans Geissel, Emma Haettner, Tadashi Hashimoto, Ryugo S. Hayano, Satoru Hirenzaki, Hiroshi Horii, Natsumi Ikeno, Naoto Inabe, Masahiko Iwasaki, Daisuke Kameda, Keichi Kisamori, Yu Kiyokawa, Toshiyuki Kubo, Kensuke Kusaka, Masafumi Matsushita, Shin'ichiro Michimasa, Go Mishima, Hiroyuki Miya, Daichi Murai, Hideko Nagahiro, Megumi Niikura, Naoko Nose-Togawa, Shinsuke Ota, Naruhiko Sakamoto, Kimiko Sekiguchi, Yuta Shiokawa, Hiroshi Suzuki, Ken Suzuki, Motonobu Takaki, Hiroyuki Takeda, Yoshiki K. Tanaka, Tomohiro Uesaka, Yasumori Wada, Atomu Watanabe, Yuni N. Watanabe, Helmut Weick, Hiroki Yamakami, Yoshiyuki Yanagisawa, Koichi Yoshida & piAF Collaboration

22. Nuclear physics research at CENS (Journal of the Korean Physical Society (2023) 82:537–546)
S. Ahn, **D. S. Ahn**, S. Kim, C. B. Moon, T.-S. Park, K. I. Hahn

23. Gamow-Teller decay of ^{142}Te to ^{142}I (Phys. Rev. C 107, 014311(2023))
B. Moon, C.-B. Moon, A. Odahara, R. Lozeva, S. Nishimura, C. Yuan, F. Browne, P. Doornenbal, G. Lorusso, Z. Patel, S. Rice, L. Sinclair, P.-A. Söderström, T. Sumikama, H. Watanabe, J. Wu,11, Z. Y. Xu, A. Yagi, **D. S. Ahn**, H. Baba, F. L. Bello Garrote, R. Daido, J. M. Daugas, F. Didierjean, Y. Fang, N. Fukuda, B. Hong, E. Ideguchi, N. Inabe, T. Ishigaki, T. Isobe, H. S. Jung, D. Kameda, I. Kojouharov, T. Komatsubara, T. Kubo, Y. K. Kwon, C. S. Lee, P. Lee, S. Morimoto, D. Murai, M.

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24. Discovery of ^{39}Na (Phys.Rev.Lett. 129, 212502 (2022)) Editor's suggestion, Featured in Physics
D.S.Ahn, J.Amano, H.Baba, N.Fukuda, H.Geissel, N.Inabe, S.Ishikawa, N.Iwasa, T.Komatsubara, T.Kubo, K.Kusaka, D.J.Morrissey, T.Nakamura, M.Ohtake, H.Otsu, T.Sakakibara, H.Sato, B.M.Sherrill, Y.Shimizu, T.Sumikama, H.Suzuki, H.Takeda, O.B.Tarasov, H.Ueno, Y.Yanagisawa, K.Yoshida

25. First Application of Mass Measurements with the Rare-RI Ring Reveals the Solar r-Process Abundance Trend at A=122 and A=123 (Phys. Rev. Lett. 128, 152701 (2022))
H.F.Li, S.Naimi, T.M.Sprouse, M.R.Mumpower, Y.Abe, Y.Yamaguchi, D.Nagae, F.Suzaki, M.Wakasugi, H.Arakawa, W.B.Dou, D.Hamakawa, S.Hosoi, Y.Inada, D.Kajiki, T.Kobayashi, M.Sakaue, Y.Yokoda, T.Yamaguchi, R.Kagesawa, D.Kamioka, T.Moriguchi, M.Mukai, A.Ozawa, S.Ota, N.Kitamura, S.Masuoka, S.Michimasa, H.Baba, N.Fukuda, Y.Shimizu, H.Suzuki, H.Takeda, **D.S.Ahn**, M.Wang, C.Y.Fu, Q.Wang, S.Suzuki, Z.Ge, Y.A.Litvinov, G.Lorusso, P.M.Walker, Z.Podolyak, T.Uesaka

26. First observation of the $\pi 0h_{11/2}$ x $\nu 0h_{9/2}$ partner orbital configuration in the odd-odd ^{138}I nucleus (Phys.Rev. C 105, 034334 (2022))
B.Moon, A.Gargano, H.Naidja, C.-B.Moon, A.Odahara, R.Lozeva, S.Nishimura, C.Yuan, F.Browne, P.Doornenbal, G.Lorusso, Z.Patel, S.Rice, M.Si, L.Sinclair, P.A.Soderstrom, T.Sumikama, H.Watanabe, J.Wu, Z.Y.Xu, A.Yagi, **D.S.Ahn**, H.Baba, F.L.Bello Garrote, R.Daido, J.M.Daugas, F.Didierjean, Y.Fang, N.Fukuda, B.Hong, E.Ideguchi, N.Inabe, T.Ishigaki, T.Isobe, H.S.Jung, D.Kameda, I.Kojouharov, T.Komatsubara, T.Kubo, Y.K.Kwon, C.S.Lee, P.Lee, S.Morimoto, D.Murai, M.Niikura, H.Nishibata, I.Nishizuka, H.Sakurai, Y.Shimizu, H.Suzuki, H.Takeda, K.Tshoo, R.Yokoyama

27. β-Delayed One and Two Neutron Emission Probabilities Southeast of ^{132}Sn and the Odd-Even Systematics in r-Process Nuclide Abundances (Phys. Rev. Lett. 129, 172701 (2022))
V.H.Phong, S.Nishimura, G.Lorusso, T.Davinson, A.Estrade, O.Hall, T.Kawano, J.Liu, F.Montes, N.Nishimura, R.Grzywacz, K.P.Rykaczewski, J.Agramunt, **D.S.Ahn**, A.Algora, J.M.Allmond, H.Baba, S.Bae, N.T.Brewer, C.G.Bruno, R.Caballero-Folch, F.Calvino, P.J.Coleman-Smith, G.Cortes, I.Dillmann, C.Domingo-Pardo, A.Fijalkowska, N.Fukuda, S.Go, C.J.Griffin, J.Ha, L.J.Harkness-Brennan, T.Isobe, D.Kahl, L.H.Khiem, G.G.Kiss, A.Korgul, S.Kubono, M.Labiche, I.Lazarus, J.Liang, Z.Liu, K.Matsui, K.Miernik, B.Moon, A.I.Morales, P.Morrall, N.Nepal, R.D.Page, M.Piersa-Silkowska, V.F.E.Pucknell, B.C.Rasco, B.Rubio, H.Sakurai, Y.Shimizu, D.W.Stracener, T.Sumikama, H.Suzuki, J.L.Tain, H.Takeda, A.Tarifeno-Saldivia, A.Tolosa-Delgado

28. Silicon tracker array for RIB experiments at SAMURAI (Eur. Phys.J. A 58, 223 (2022))
A.I.Stefanescu, V.Panin, L.Trache, T.Motobayashi, H.Otsu, A.Saastamoinen, T.Uesaka, L.Stuhl, J.Tanaka, D.Tudor, I.C.Stefanescu, A.E.Spiridon, K.Yoneda, H.Baba, M.Kurokawa, Y.Togano, Z.Halasz, M.Sasano, S.Ota, Y.Kubota, **D.S.Ahn**, T.Kobayashi, Z.Elekes, N.Fukuda, H.Takeda, D.Kim, E.Takada, H.Suzuki, K.Yoshida, Y.Shimizu, H.N.Liu, Y.L.Sun, T.Isobe, J.Gibelin, P.J.Li, J.Zenihiro, F.M.Marques, M.N.Harakeh, G.G.Kiss, A.Kurihara, M.Yasuda, T.Nakamura, S.Park, Z.Yang, T.Harada, M.Nishimura, H.Sato, I.S.Hahn, K.Y.Chae, J.M.Elson, L.G.Sobotka, C.A.Bertulani

29. Charge-changing cross sections for $^{42-51}$Ca and effect of charged-particle evaporation induced by neutron-removal reactions (Phys.Rev. C 106, 014617 (2022))
M.Tanaka, M.Takechi, A.Homma, A.Prochazka, M.Fukuda, D.Nishimura, T.Suzuki, T.Moriguchi, **D.S.Ahn**, A.Aimaganbetov, M.Amano, H.Arakawa, S.Bagchi, K.-H.Behr, N.Burtebayev, K.Chikaato, H.Du, T.Fujii, N.Fukuda, H.Geissel, T.Hori, S.Hoshino, R.Igosawa, A.Ikeda, N.Inabe, K.Inomata, K.Itahashi, T.Izumikawa, D.Kamioka, N.Kanda, I.Kato, I.Kenzhina, Z.Korkulu, Y.Kuk, K.Kusaka, K.Matsuta, M.Mihara, E.Miyata, D.Nagae, S.Nakamura, M.Nassurlla, K.Nishimuro, K.Nishizuka, K.Ohnishi, M.Ohtake, T.Ohtsubo, S.Omika, H.J.Ong, A.Ozawa, H.Sakurai, C.Scheidenberger, Y.Shimizu, T.Sugihara, T.Sumikama, H.Suzuki, S.Suzuki, H.Takeda, Y.Tanaka, Y.K.Tanaka, I.Tanihata, T.Wada, K.Wakayama, S.Yagi, T.Yamaguchi, R.Yanagihara, Y.Yanagisawa, K.Yoshida, T.K.Zholdybayev

30. The β-decay of ^{70}Kr into ^{70}Br: Restoration of the pseudo-SU(4) symmetry (Phys.Lett. B 830, 137123 (2022))
A.Vitez-Sveiczer, A.Algora, A.I.Morales, B.Rubio, G.G.Kiss, P.Sarriguren, P.Van Isacker, G.de Angelis, F.Recchia, S.Nishimura, J.Agramunt, V.Guadilla, A.Montaner-Piza, S.E.A.Orrigo, A.Horvath, D.Napoli, S.Lenzi, A.Boso, V.H.Phong, J.Wu, P.-A.Soderstrom, T.Sumikama, H.Suzuki, H.Takeda, **D.S.Ahn**, H.Baba, P.Doornebal, N.Fukuda, N.Inabe, T.Isobe, T.Kubo, S.Kubono, H.Sakurai, Y.Shimizu, C.Sidong, B.Blank, P.Ascher, M.Gerbaux, T.Goigoux, J.Giovinazzo, S.Grevy, T.Kurtukian Nieto, C.Magron, W.Gelletly, Zs.Dombradi, Y.Fujita, M.Tanaka, P.Aguilera, F.Molina, J.Eberth, F.Diel, D.Lubos, C.Borcea, E.Ganioglu, D.Nishimura, H.Oikawa, Y.Takei, S.Yagi, W.Korten, G.de France, P.Davies, J.Liu, J.Lee, T.Lokotko, I.Kojouharov, N.Kurz, H.Shaffner, A.Petrovici

31. First observation of isomeric states in ^{111}Zr, ^{113}Nb, and ^{115}Mo (Phys.Rev. C 106, 064328 (2022))
J.Wu, S.Nishimura, P.-A.Soderstrom, A.Algora, J.J.Liu, V.H.Phong, Y.Q.Wu, F.R.Xu, J.Agramunt, **D.S.Ahn**, T.A.Berry, C.G.Bruno, J.J.Bundgaard, R.Caballero-Folch, A.C.Dai, T.Davinson, I.Dillmann, A.Estrade, A.Fijalkowska, N.Fukuda, S.Go, R.K.Grzywacz, T.Isobe, S.Kubono, G.Lorusso, K.Matsui, A.I.Morales, N.Nepal, S.E.A.Orrigo, B.C.Rasco, K.P.Rykaczewski, H.Sakurai, Y.Shimizu, D.W.Stracener, T.Sumikama, H.Suzuki, J.L.Tain, H.Takeda, A.Tarifeno-Saldivia, A.Tolosa-Delgado, M.Wolinska-Cichocka, R.Yokoyama

32. Various nuclear structures in ^{140}Xe studied by β decay of ground and isomeric states in ^{140}I (Phys.Rev. C 105, 044325 (2022))
A.Yagi, A.Odahara, H.Nishibata, R.Lozeva, C.-B.Moon, S.Nishimura, K.Yoshida, N.Yoshinaga, C.Watanabe, K.Higashiyama, T.Shimoda, R.Daido, Y.Fang, P.S.Lee, B.Moon, P.Doornenbal, G.Lorusso, P.-A.Soderstrom, T.Sumikama, H.Watanabe, T.Isobe, H.Baba, H.Sakurai, F.Browne, Z.Patel, S.Rice, L.Sinclair, J.Wu, Z.Y.Xu, R.Yokoyama, T.Kubo, N.Inabe, H.Suzuki, N.Fukuda, D.Kameda, H.Takeda, **D.S.Ahn**, Y.Shimizu, D.Murai, F.L.Bello Garrote, J.-M.Daugas, F.Didierjean, E.Ideguchi, S.Iimura, T.Ishigaki, H.S.Jung, T.Komatsubara, Y.K.Kwon, C.S.Lee, S.Morimoto, M.Niikura, I.Nishizuka, K.Tshoo

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M. Duer, T. Aumann, R. Gernhäuser, V. Panin, S. Paschalis, D. M. Rossi, N. L. Achouri, **D. Ahn**, H. Baba, C. A. Bertulani, M. Böhmer, K. Boretzky, C. Caesar, N. Chiga, A. Corsi, D. Cortina-Gil, C. A. Douma, F. Dufter, Z. Elekes, J. Feng, B. Fernández-Domínguez, U. Forsberg, N. Fukuda, I. Gasparic, Z. Ge, J. M. Gheller, J. Gibelin, A. Gillibert, K. I. Hahn, Z. Halász, M. N. Harakeh, A. Hirayama, M. Holl, N. Inabe, T. Isobe, J. Kahlbow, N. Kalantar-Nayestanaki, D. Kim, S. Kim, T. Kobayashi, Y. Kondo, D. Körper, P. Koseoglou, Y. Kubota, I. Kuti, P. J. Li, C. Lehr, S. Lindberg, Y.

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34. Experimental Study of ^{4}n by Directly Detecting the Decay Neutrons (Few-Body Systems 62, 102 (2021))
S.W.Huang, Z.H.Yang, F.M.Marques, N.L.Achouri, **D.S.Ahn**, T.Aumann, H.Baba, D.Beaumel, M.Bohmer, K.Boretzky, M.Caamano, S.Chen, N.Chiga, M.L.Cortes, D.Cortina, P.Doornenbal, C.A.Douma, F.Dufter, J.Feng, B.Fernandez-Dominguez, Z.Elekes, U.Forsberg, T.Fujino, N.Fukuda, I.Gasparic, Z.Ge, R.Gernhauser, J.M.Gheller, J.Gibelin, A.Gillibert, Z.Halasz, T.Harada, M.N.Harakeh, A.Hirayama, N.Inabe, T.Isobe, J.Kahlbow, N.Kalantar-Nayestanaki, D.Kim, S.Kim, S.Kiyotake, T.Kobayashi, Y.Kondo, P.Koseoglou, Y.Kubota, I.Kuti, C.Lehr, C.Lenain, P.J.Li, Y.Liu, Y.Maeda, S.Masuoka, M.Matsumoto, A.Matta, J.Mayer, H.Miki, M.Miwa, B.Monteagudo, I.Murray, T.Nakamura, A.Obertelli, N.A.Orr, H.Otsu, V.Panin, S.Park, M.Parlog, S.Paschalis, M. Potlog, S.Reichert, A.Revel, D.Rossi, A.Saito, M.Sasano, H.Sato, H.Scheit, F.Schindler, T.Shimada, Y.Shimizu, S.Shimoura, H.Simon, I.Stefan, S.Storck, L.Stuhl, H.Suzuki, D.Symochko, H.Takeda, S.Takeuchi, J.Tanaka, Y.Togano, T.Tomai, H.T.Tornqvist, E.Tronchin, J.Tscheuschner, T.Uesaka, V.Wagner, K.Wimmer, H.Yamada, B.Yang, L.Yang, Y.Yasuda, K.Yoneda, L.Zanetti, J.Zenihiro

35. Rapidity distributions of Z=1 isotopes and the nuclear symmetry energy from Sn+Sn collisions with radioactive beams at 270 MeV/nucleon (Phys. Lett. B 822, 136681 (2021))
M.Kaneko, T.Murakami, T.Isobe, M.Kurata-Nishimura, A.Ono, N.Ikeno, J.Barney, G.Cerizza, J.Estee, G.Jhang, J.W.Lee, W.G.Lynch, C.Santamaria, C.Y.Tsang, M.B.Tsang, R.Wang, **D.S.Ahn**, L.Atar, T.Aumann, H.Baba, K.Boretzky, J.Brzychczyk, N.Chiga, N.Fukuda, I.Gasparic, B.Hong, A.Horvat, T.Ichihara, K.Ieki, N.Inabe, Y.J.Kim, T.Kobayashi, Y.Kondo, P.Lasko, H.S.Lee, Y.Leifels, J.Lukasik, J.Manfredi, A.B.McIntosh, P.Morfouace, T.Nakamura, N.Nakatsuka, S.Nishimura, R.Olsen, H.Otsu, P.Pawlowski, K.Pelczar, D.Rossi, H.Sakurai, H.Sato, H.Scheit, R.Shane, Y.Shimizu, H.Simon, T.Sumikama, D.Suzuki, H.Suzuki, H.Takeda, S.Tangwancharoen, Y.Togano, H.Tornqvist, Z.Xiao, S.J.Yennello, J.Yurkon, Y.Zhang

36. Production of the most neutron-deficient Zn isotopes by projectile fragmentation of ^{78}Kr (Phys.Rev. C 104, 064610 (2021))
A.Kubiela, H.Suzuki, O.B.Tarasov, M.Pfutzner, **D.-S.Ahn**, H.Baba, A.Bezbakh, A.A.Ciemny, W.Dominik, N.Fukuda, A.Giska, R.Grzywacz, Y.Ichikawa, Z.Janas, L.Janiak, G.Kaminski, K.Kawata, T.Kubo, M.Madurga, C.Mazzocchi, H.Nishibata, M.Pomorski, Y.Shimizu, N.Sokolowska, D.Suzuki, P.Szymkiewicz, A.Swiercz, M.Tajima, A.Takamine, H.Takeda, Y.Takeuchi, C.R.Thornsberry, H.Ueno, H.Yamazaki, R.Yokoyama, K.Yoshida

37. β-delayed neutron emission of r-process nuclei at the N = 82 shell closure (Phys. Lett. B 816, 136266 (2021))
O.Hall, T.Davinson, A.Estrade, J.Liu, G.Lorusso, F.Montes, S.Nishimura, V.H.Phong, P.J.Woods, J.Agramunt, **D.S.Ahn**, A.Algora, J.M.Allmond, H.Baba, S.Bae, N.T.Brewer, C.G.Bruno, R.Caballero-Folch, F.Calvino, P.J.Coleman-Smith, G.Cortes, I.Dillmann, C.Domingo-Pardo, A.Fijalkowska, N.Fukuda, S.Go, C.J.Griffin, R.Grzywacz, J.Ha, L.J.Harkness-Brennan, T.Isobe, D.Kahl, L.H.Khiem, G.G.Kiss, A.Korgul, S.Kubono, M.Labiche, I.Lazarus, J.Liang, Z.Liu, K.Matsui, K.Miernik, B.Moon, A.I.Morales, P.Morrall, M.R.Mumpower, N.Nepal, R.D.Page, M.Piersa, V.F.E.Pucknell, B.C.Rasco, B.Rubio, K.P.Rykaczewski, H.Sakurai, Y.Shimizu, D.W.Stracener,

T.Sumikama, H.Suzuki, J.L.Tain, H.Takeda, A.Tarifeno-Saldivia, A.Tolosa-Delgado, M.Wolinska-Cichocka, R.Yokoyama

38. Nuclear structure of Te isotopes beyond neutron magic number N = 82 (Phys. Rev. C 103, 034320 (2021))
B.Moon, A.Jungclaus, H.Naidja, A.Gargano, R.Lozeva, C.-B.Moon, A.Odahara, G.S.Simpson, S.Nishimura, F.Browne, P.Doornenbal, G.Gey, J.Keatings, G.Lorusso, Z.Patel, S.Rice, M.Si, L.Sinclair, P.-A.Soderstrom, T.Sumikama, J.Taprogge, H.Watanabe, J.Wu, Z.Y.Xu, A.Yagi, **D.S.Ahn**, H.Baba, F.L.Bello Garrote, S.Bonig, R.Daido, J.M.Daugas, F.Didierjean, F.Drouet, Y.Fang, N.Fukuda, R.Gernhauser, B.Hong, E.Ideguchi, S.Ilieva, N.Inabe, T.Ishigaki, T.Isobe, H.S.Jung, D.Kameda, I.Kojouharov, T.Komatsubara, T.Kroll, T.Kubo, N.Kurz, Y.K.Kwon, C.S.Lee, P.Lee, Z.Li, A.Montaner-Piza, S.Morimoto, K.Moschner, D.Mucher, D.Murai, M.Niikura, H.Nishibata, I.Nishizuka, R.Orlandi, H.Sakurai, H.Schaffner, Y.Shimizu, K.Steiger, H.Suzuki, H.Takeda, K.Tshoo, Zs.Vajta, A.Wendt, R.Yokoyama, K.Yoshinaga

39. β decay of the very neutron-deficient ^{60}Ge and ^{62}Ge nuclei (Phys. Rev. C 103, 014324 (2021))
S.E.A.Orrigo, B.Rubio, W.Gelletly, P.Aguilera, A.Algora, A.I.Morales, J.Agramunt, **D.S.Ahn**, P.Ascher, B.Blank, C.Borcea, A.Boso, R.B.Cakirli, J.Chiba, G.de Angelis, G.de France, F.Diel, P.Doornenbal, Y.Fujita, N.Fukuda, E.Ganioglu, M.Gerbaux, J.Giovinazzo, S.Go, T.Goigoux, S.Grevy, V.Guadilla, N.Inabe, G.G.Kiss, T.Kubo, S.Kubono, T.Kurtukian-Nieto, D.Lubos, C.Magron, F.Molina, A.Montaner-Piza, D.Napoli, D.Nishimura, S.Nishimura, H.Oikawa, V.H.Phong, H.Sakurai, Y.Shimizu, C.Sidong, P.-A.Soderstrom, T.Sumikama, H.Suzuki, H.Takeda, Y.Takei, M.Tanaka, J.Wu, S.Yagi

40. Two-Neutron Halo is Unveiled in ^{29}F (Phys. Rev. Lett. 124, 222504 (2020))
S.Bagchi, R.Kanungo, Y.K.Tanaka, H.Geissel, P.Doornenbal, W.Horiuchi, G.Hagen, T.Suzuki, N.Tsunoda, **D.S.Ahn**, H.Baba, K.Behr, F.Browne, S.Chen, M.L.Cortes, A.Estrade, N.Fukuda, M.Holl, K.Itahashi, N.Iwasa, G.R.Jansen, W.G.Jiang, S.Kaur, A.O.Macchiavelli, S.Y.Matsumoto, S.S.Momiyama, I.Murray, T.Nakamura, S.J.Novario, H.J.Ong, T.Otsuka, T.Papenbrock, S.Paschalis, A.Prochazka, C.Scheidenberger, P.Schrock, Y.Shimizu, D.Steppenbeck, H.Sakurai, D.Suzuki, H.Suzuki, M.Takechi, H.Takeda, S.Takeuchi, R.Taniuchi, K.Wimmer, K.Yoshida

41. g Factor of the ^{99}Zr(7/2$^+$) Isomer: Monopole Evolution in the Shape-Coexisting Region (Phys. Rev. Lett. 124, 112501 (2020))
F.Boulay, G.S.Simpson, Y.Ichikawa, S.Kisyov, D.Bucurescu, A.Takamine, **D.S.Ahn**, K.Asahi, H.Baba, D.L.Balabanski, T.Egami, T.Fujita, N.Fukuda, C.Funayama, T.Furukawa, G.Georgiev, A.Gladkov, M.Hass, K.Imamura, N.Inabe, Y.Ishibashi, T.Kawaguchi, T.Kawamura, W.Kim, Y.Kobayashi, S.Kojima, A.Kusoglu, R.Lozeva, S.Momiyama, I.Mukul, M.Niikura, H.Nishibata, T.Nishizaka, A.Odahara, Y.Ohtomo, D.Ralet, T.Sato, Y.Shimizu, T.Sumikama, H.Suzuki, H.Takeda, L.C.Tao, Y.Togano, D.Tominaga, H.Ueno, H.Yamazaki, X.F.Yang, J.M.Daugas

42. Two-proton radioactivity: The interesting case of ^{67}Kr and Further Studies (Acta Phys. Pol. B51, 577 (2020))
J.Giovinazzo, T.Goigoux, B.Blank, P.Ascher, M.Gerbaux, S.Grevy, T.Kurtukian Nieto, C.Magron, P.Doornenbal, N.Fukuda, N.Inabe, G.G.Kiss, T.Kubo, S.Kubono, S.Nishimura, H.Sakurai, Y.Shimizu, C.Sidong, P.-A.Soderstrom, T.Sumikama, H.Suzuki, H.Takeda, P.Vi, J.Wu, **D.S.Ahn**, J.Agramunt, A.Algora, V.Guadilla, A.Montaner-Piza, A.I.Morales, S.E.A.Orrigo, B.Rubio, Y.Fujita, M.Tanaka, W.Gelletly, P.Aguilera, F.Molina, F.Diel, D.Lubos, G.De Angelis, D.Napoli, C.Borcea, A.Boso, R.B.Cakirli, E.Ganioglu, J.Chiba, D.Nishimura, H.Oikawa, Y.Takei, S.Yagi, K.Wimmer,

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43. Isomeric and β-decay spectroscopy of ^{173,174}Ho (Phys. Rev. C 102, 024301 (2020))
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45. Spectroscopy of ^{99}Cd and ^{101}In from β decays of ^{99}In and ^{101}Sn (Phys. Rev. C 102, 014304 (2020))
J.Park, R.Krucken, A.Blazhev, D.Lubos, R.Gernhauser, M.Lewitowicz, S.Nishimura, **D.S.Ahn**, H.Baba, B.Blank, P.Boutachkov, F.Browne, I.Celikovic, G.de France, P.Doornenbal, T.Faestermann, Y.Fang, N.Fukuda, J.Giovinazzo, N.Goel, M.Gorska, H.Grawe, S.Ilieva, N.Inabe, T.Isobe, A.Jungclaus, D.Kameda, G.D.Kim, Y.-K.Kim, I.Kojouharov, T.Kubo, N.Kurz, Y.K.Kwon, G.Lorusso, K.Moschner, D.Murai, I.Nishizuka, Z.Patel, M.M.Rajabali, S.Rice, H.Sakurai, H.Schaffner, Y.Shimizu, L.Sinclair, P.-A.Soderstrom, K.Steiger, T.Sumikama, H.Suzuki, H.Takeda, Z.Wang, H.Watanabe, J.Wu, Z.Y.Xu

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T.Sumikama, T.Kubo, N.Fukuda, **D.S.Ahn**, H.Takeda, Y.Shimizu, H.Suzuki, N.Inabe, D.Murai, H.Sato, K.Kusaka, Y.Yanagisawa, M.Ohtake, K.Yoshida

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X.H.Sun, H.Wang, H.Otsu, H.Sakurai, **D.S.Ahn**, M.Aikawa, N.Fukuda, T.Isobe, S.Kawakami, S.Koyama, T.Kubo, S.Kubono, G.Lorusso, Y.Maeda, A.Makinaga, S.Momiyama, K.Nakano, S.Nakayama, M.Niikura, Y.Shiga, P.-A.Soderstrom, H.Suzuki, H.Takeda, S.Takeuchi, R.Taniuchi, Ya.Watanabe, Yu.Watanabe, H.Yamasaki, X.F.Yang, Y.L.Ye, K.Yoshida

48. Experimental studies of the two-step scheme with an intense radioactive ^{132}Sn beam for next-generation production of very neutron-rich nuclei (Phys. Rev. C 102, 064615 (2020))
H.Suzuki, K.Yoshida, N.Fukuda, H.Takeda, Y.Shimizu, **D.S.Ahn**, T.Sumikama, N.Inabe, T.Komatsubara, H.Sato, Z.Korkulu, K.Kusaka, Y.Yanagisawa, M.Ohtake, H.Ueno, T.Kubo, S.Michimasa, N.Kitamura, K.Kawata, N.Imai, O.B.Tarasov, D.Bazin, J.Nolen, W.F.Henning

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50. Fragmentation of Single-Particle Strength around the Doubly Magic Nucleus ^{132}Sn and the Position of the 0f$_{5/2}$ Proton-Hole State in ^{131}In (Phys. Rev. Lett. 124, 022501 (2020))
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J.Wu, S.Nishimura, P.Moller, M.R.Mumpower, R.Lozeva, C.B.Moon, A.Odahara, H.Baba, F.Browne, R.Daido, P.Doornenbal, Y.F.Fang, M.Haroon, T.Isobe, H.S.Jung, G.Lorusso, B.Moon, Z.Patel, S.Rice, H.Sakurai, Y.Shimizu, L.Sinclair, P.-A.Soderstrom, T.Sumikama, H.Watanabe, Z.Y.Xu, A.Yagi, R.Yokoyama, **D.S.Ahn**, F.L.Bello Garrote, J.M.Daugas, F.Didierjean, N.Fukuda, N.Inabe, T.Ishigaki, D.Kameda, I.Kojouharov, T.Komatsubara, T.Kubo, N.Kurz, K.Y.Kwon, S.Morimoto, D.Murai, H.Nishibata, H.Schaffner, T.M.Sprouse, H.Suzuki, H.Takeda, M.Tanaka, K.Tshoo, Y.Wakabayashi

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Keita Nakano, Yukinobu Watanabe, Shoichiro Kawase, He Wang, Hideaki Otsu, Hiroyoshi Sakurai, Satoshi Takeuchi, Yasuhiro Togano, Takashi Nakamura, Yukie Maeda, **Deuk Soon Ahn**, Masayuki Aikawa, Shouhei Araki, Sidong Chen, Nobuyuki Chiga, Pieter Doornenbal, Naoki Fukuda, Takashi Ichihara, Tadaaki Isobe, Shunsuke Kawakami, Tadahiro Kin, Yosuke Kondo, Shunpei Koyama, Toshiyuki Kubo, Shigeru Kubono, Meiko Uesaka, Ayano Makinaga, Masafumi Matsushita, Teiichiro Matsuzaki, Shin'ichiro Michimasa, Satoru Momiyama, Shunsuke Nagamine, Megumi Niikura, Tomoyuki Ozaki, Atsumi Saito, Takeshi Saito, Yoshiaki Shiga, Mizuki Shikata, Yohei Shimizu, Susumu Shimoura, Toshiyuki Sumikama, Pär-Anders Söderström, Hiroshi Suzuki, Hiroyuki Takeda, Ryo Taniuchi, Jun'ichi Tsubota, Yasushi Watanabe, Kathrin Wimmer, Tatsuya Yamamoto, and Koichi Yoshida

57. Strong one-neutron emission from two-neutron unbound states in β decays of the r-process nuclei ^{86,87}Ga (Phys. Rev. C 100, 031302(R) (2019))
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58. Observation of a μs isomer in ^134_49In85: Proton-neutron coupling "southeast" of ^132_50Sn82 (Phys. Rev. C 100, 011302(R) (2019))
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H. Kohri, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano,W. C. Chang, S. Date´, H. Ejiri, S. Fukui, H. Fujimura, M. Fujiwara,S. Hasegawa, K. Hicks, A. Hosaka, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, H.Kawai, Z.Y. Kim, K. Kino, N. Kumagai, S. Makino, T. Matsuda, T. Matsumura, N. Matsuoka, T. Mibe, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, S. i. Nam, M. Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D. S. Oshuev, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P. M. Shagin,Y. Shiino, A. Shimizu, H. Shimizu, Y. Sugaya, M. Sumihama, A. I. Titov,Y. Toi, H. Toyokawa, A.Wakai, C.W. Wang, S. C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, and R. G. T. Zegers

90. Measurement of the incoherent $\gamma d \to \phi pn$ photoproduction near threshold (Phys. Lett. B 684, 6-10 (2010))

W.C. Chang, M. Miyabe, T. Nakano, **D.S. Ahn**, J.K. Ahn, H. Akimune, Y. Asano, S. Date, H. Ejiri, H. Fujimura, M. Fujiwara, S. Fukui, S. Hasegawa, K. Hicks, K. Horie, T. Hotta, K.Imai, T. Ishikawa, T. Iwata, Y. Kato, H. Kawai, K. Kino, H. Kohri, N. Kumagai, S. Makino, T. Matsuda, T. Matsumura, N. Matsuoka, T. Mibe, M. Miyachi, N. Muramatsu,i, M. Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D.S. Oshuev, C. Rangacharyulu, A. Sakaguchi, P.M. Shagin, Y. Shiino, H. Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, M. Uchida, A. Wakai, C.W. Wang, S.C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, R.G.T. Zegers

91. Backward-angle η photoproduction from protons at Eγ=1.6-2.4 GeV (Phys. Rev. C 80, 052201 (2009))

M. Sumihama, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano,W. C. Chang, S. Date, H. Ejiri, H. Fujimura,M . Fujiwara, S. Fukui, S. Hasegawa, K. Hicks, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, Y. Kato, H. Kawai, K. Kino, H. Kohri, N. Kumagai, T. Matsuda, T. Matsumura, T.Mibe, M. Miyabe, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D. S. Oshuev, C. Rangacharyulu, A. Sakaguchi, P. M. Shagin, Y. Shiino, A. Shimizu, H. Shimizu, Y. Sugaya, Y. Toi, H. Toyokawa, A. Wakai, C. W. Wang, S. C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, and R. G. T. Zegers

92. Near-threshold photoproduction of Λ(1520) from protons and deuteron (Phys. Rev. Lett. 103, 012001 (2009))

N. Muramatsu, J. Y. Chen, W. C. Chang, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano, S. Date, H. Ejiri, H. Fujimura, M. Fujiwara, S. Fukui, S. Hasegawa, K. Hicks, K. Horie, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, Y. Kato, H. Kawai, K. Kino, H. Kohri, N. Kumagai, S. Makino, T. Matsuda, T. Matsumura, N. Matsuoka, T. Mibe, M. Miyabe, M. Miyachi, T. Nakano, M.Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D. S. Oshuev, C. Rangacharyulu, A.Sakaguchi, P. M. Shagin, Y. Shiino, H. Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, A. Wakai, C. W. Wang, S. C. W ang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, R. G.T. Zegers

93. Evidence for the Θ^+ in the $\gamma d \to K^+K^-pn$ reaction by detecting K^+K^- pairs (Phys. Rev. C79, 025210 (2009))

T. Nakano, N. Muramatsu, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano, W. C. Chang, S.Date, H. Ejiri, H. Fujimura, M. Fujiwara, S. Fukui, H. Hasegawa, K. Hicks, K. Horie, T. Hotta, K. I mai, T. Ishikawa, T. Iwata, Y. Kato, H. Kawai, Z. Y. Kim, K. Kino, H. Kohri, N. Kumagai, S. Makino, T. Matsuda, N. Matsuoka, T. Matsumura, T. Mibe, M. Miyabe, Y. Miyachi, M. Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D. S. Oshuev, C. Rangacharyulu, A.Sakaguchi, P. M. Shagin, Y. Shiino, A. Shimizu, H. Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, A. Wakai, C. W. Wang, S. C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M.Yosoi, and R. G. T. Zegers

94. Cross Sections and Beam Asymmetry for $K^+\Sigma^{*-}$ Photoproduction from the Deuteron at

Eγ=1.5-2.4 GeV (Phys. Rev. Lett. 102, 012501 (2009))
K. Hicks, D. Keller, H. Kohri, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano, W. C. Chang, S.Date, H. Ejiri, S. Fukui, H. Fujimura, M. Fujiwara, S. Hasegawa, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, Y. Kato, H. Kawai, Z. Y. Kim, K. Kino, N. Kumagai, S. Makino, T. Matsuda, T. Matsumura, N. Matsuoka, T. Mibe, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Oh, Y. Ohashi, H. Ohkuma, T. Ooba, J. Parker, C.Rangacharyulu, A. Sakaguchi, T. Sasaki, P. M. Shagin, Y. Shiino, A. Shimizu, H. Shimizu, Y.Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, A. Wakai, C. W. Wang, S. C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, and R . G. T. Zegers

95. Photoproduction of Λ*(1405) and Σ*(1385) on the proton at Eγ=1.5-2.4 GeV (Phys. Rev. C78, 035202 (2008))
M. Niiyama, H. Fujimura, **D. S. Ahn**, J. K. Ahn, S. Ajimura, H. C. Bhang, T. H. Chang, W.C. Chang, J. Y. Chen, S. Date, S. Fukui, H. Funahashi, K. Hicks, K. Horie, T. Hotta, K. Imai, T. Ishikawa, Y. Kato, K. Kino, H. Kohri, S. Makino, T. Matsumura, T. Mibe, K. Miwa, M.Miyabe, N. Muramatsu, M. Nakamura, T. Nakano, Y. Nakatsugawa, Y. Ohashi, D. S. Oshuev,J. D. Parker, N. Sai to, T. Sawada, Y. Sugaya, M. Sumihama, J. L. Tang, M. Uchida, C. W.Wang, T. Yorita, and M. Yosoi

96. Forward coherent *ϕ*-meson photoproduction from deuterons near threshold (Phys. Lett. B658, 209-215 (2008))
W.C. Chang, K. Horie, S. Shimizu, M. Miyabe, **D.S. Ahn**, J.K. Ahn, H. Akimune, Y. Asano,
S . Date, H. Ejiri, S. Fukui, H. Fujimura, M. Fujiwara, S. Hasegawa, K. Hicks, T. Hotta, K.Imai, T. Ishikawa, T. Iwata, Y. Kato, H. Kawai, Z.Y. Kim, K. Kino, H. Kohri, N. Kumagai, P.J.Lin, S. Makino, T. Matsuda, T. Matsumura, N. Matsuoka, T. Mibe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D.S.Oshuev, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P.M. Shagin, Y. Shiino, A. Shimizu, H.Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, A. Wakai, C.W. Wang, S.C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, R.G.T. Zegers

97. Measurement of the $\gamma p \to K^+\Lambda$ reaction at backward angles (Phys. Rev. C76, 042201 (2007))
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S. Date, H. Ejiri, S. Fukui, H. Fujimura, M. Fujiwara, S. Hasegawa, A. Hosaka, T. Hotta, K.Imai, T. Ishikawa, T. Iwata, B. Julia-Diaz, Y. Kato, H. Kawai, Z. Y. Kim, K. Kino, H. Kohri, N. Kumagai, T.-S. H. Lee, S. Makino, T. Matsuda, T. Matsumura, N. Matsuoka, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, T.Ooba, H. Ohkuma, D. S. Os huev, S. Ozaki, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P. M. Shagin, Y. Shiino, A. Shimizu, H. Shimizu, Y. Sugaya, Y. Toi, H. Toyokawa, A. Wakai, C. W.Wang, S. C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, and R. G. T. Zegers

98. Differential Cross Section and Photon-Beam Asymmetry for the $\gamma n \to K^+ \Sigma^-$ Reaction at Eγ = 1.5-2.4GeV (Phys. Rev. Lett., 97, 082003 (2006))
H. Kohri, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano, W. C. Chang, S. Date', H. Ejiri, S. Fukui, H. Fujimura, M. Fujiwara, S. Hasegawa, K. Hicks, T. Hotta, K. Imai, T. Ishikawa,T. Iwata, H. Kawai, K. Kino, S. Makino, T. Mart, T. Matsuda, T. Matsumura, T. Mibe, M.Miyabe, Y. Miyachi, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, T. Ooba, D. S. Oshuev, C. Rangacharyulu, A. Sakaguchi, P. M. Shagin, A. Shimizu, H. Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, R. G. T. Zegers

99. *ϕ*-meson photoproduction on proton near threshold (Phys. Rev. Lett., 95. 182001, (2005))

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100. Phi photo-production from Li,C,Al and Cu nuclei at Eγ = 1.5-2.4 GeV (Phys. Lett., B608, 215-222 (2005))
T. Ishikawa, **D. S. Ahn**, J. K. Ahn, H. Akimune, W. C. Chang, S. Date, H. Fujimura, M.Fujiwara, K. Hicks, T. Hotta, K. Imai, H. Kawai, K. Kino, H. Kohri, T. Matsumura, T. Mibe, K. Miwa, M. Miyabe, M. Morita, T. Murakami, N. Muramatsu, H. Nakamura, M. Nakamura,T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, T. Ooba, D.S. Oshuev, C. Rangacharyulu, A.Sakaguchi, Y. Shiino, Y. Sakemi, H. Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, C. W. Wang, T. Yorita, M. Yosoi, R. G. T. Zegers

101. Characteristics of a Compton Suppression NaI(Tl) Detector with a Cylindrical Plastic Scintillator (Sae Mulli : The Korean Physics Society, 48, 1:47-52 (2004))
J. Y. Park, B. H. Choi, H. S. Lee, **D. S. Ahn**, S. J. Kim, J. K. Ahn

102. Time Projection Chamber at SPring-8 (Nuclear Physics, A721, 1095-1098 (2003))
M. Niiyama, K. Imai, M. Nakamura, M. Yosoi, T. Ishikawa, M. Miyaba, K. Miwa, J. K. Ahn, **D. S. Ahn**, T. Nakano, H. Bhang, H. Fujimura, H, Kohri, Y. Sugaya, C. W. Chang, W. C.Chang, T. H. Chang, D. Oshuev

103. Beam-Polarization Asymmetries for the p(γ,K^+)Λ and p(γ,K^+)Σ^0 Reactions at Eγ = 1.5-2.4 GeV (Phys. Rev. Lett., 9: 092001 (2003))
R. G. T. Zegers, M. Sumihama, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano, W. C. Chang, S. Date H. Ejiri, H. Fujimura, M. Fujiwara, K. Hicks, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, H.Kawai, Z. Y. Kim, K. Kino, H. Kohri, N. Kumagai, S. Makino, T. Matsumura, N. Matsuoka, T.Mibe, K. Miwa, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, T. Ooba, H. Ohkuma, D. S. Oshuev, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P. M. Shagin, Y. Shiino, H. Shimizu, Y. Sugaya, H. Toyokawa, A. Wakai, C. W. Wang, S. C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, and M. Yosoi

104. Evidence for a Narrow S = +1 Baryon Resonance in Photoproduction from the Neutron (**Phys. Rev. Lett., 91: 012002 (2003**))
T. Nakano, **D. S. Ahn**, J. K. Ahn, H. Akimune, Y. Asano, W. C. Chang, S. Date H. Ejiri, H. Fujimura, M. Fujiwara, K. Hicks, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, H. Kawai, Z. Y.Kim, K. Kino, H. Kohri, N. Kumagai, S. Makino, T. Matsumura, N. Matsuoka, T. Mibe, K.Miwa, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, M. Niiyama, M. Nomachi, Y. Ohashi, T. Ooba, H. Ohkuma, D. S. Oshuev, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P. M. Shagin, Y. Shiino, H. Shimizu, Y. Sugaya, M. Sumihama, H. Toyokawa, A. Wakai, C. W. Wang, S. C.Wang, K. Yonehara, T. Yorita, M. Yoshimura, and M. Yosoi, R. G. T. Zegers