Press Releases (April 2022–March 2023)

RNC

Apr. 27	α-Clustering in atomic nuclei from first principles with statistical learning and the Hoyle state character https://www.riken.jp/press/2022/20220427_2/index.html	T. Otsuka, T. Abe, Nuclear Spectroscopy Laboratory
Apr. 28	First Application of Mass Measurement with the Rare-RI Ring Reveals the Solar r-Process Abundance Trend at A = 122 and A = 123 https://www.riken.jp/press/2022/20220428_2/index.html	T. Uesaka, S. Naimi, H. Fu Li, Y. Yamaguchi, Spin Isospin Research Laboratory, Rare RI Ring Team
May 25	Variability in the net ecosystem productivity (NEP) of seaweed farms https://www.riken.jp/press/2022/20220525_1/index.html	Y. Sato, Ion Beam Breeding Team
Jun. 23	Observation of a correlated free four-neutron system https://www.riken.jp/press/2022/20220623_1/index.html	H. Otsu, V. Panin, SAMURAI Team, Spin Isospin Laboratory
Sep. 21	Proton Hyperpolarization Relay from Nanocrystals to Liquid Water https://www.riken.jp/press/2022/20220921_2/index.html	T. Uesaka, K. Tateishi, Spin isospin Laboratory
Sep. 28	A CLAVATA3-like gene acts as a gynoecium suppression function in White Campion https://www.riken.jp/press/2022/20220928_1/index.html	T. Abe, Beam Mutagenesis Group
Oct. 19	β-Delayed One and Two Neutron Emission Probabilities South-East of ^{132}Sn and the Odd-Even Systematics in r-Process Nuclide Abundances https://www.riken.jp/press/2022/20221019_1/index.html	V. Ho Phong, S. Nishimura, H. Sakurai, Radioactive Isotope Physics Laboratory
Nov. 17	Discovery of ^{39}Na https://www.riken.jp/press/2022/20221117_3/index.html	T. Kubo, D. S. Ahn, H. Suzuki, Research Instruments Group
Nov. 17	Targeted α-therapy using astatine (^{211}At)-labeled PSMA1, 5, and 6: a preclinical evaluation as a novel compound https://www.riken.jp/press/2022/20221117_2/index.html	H. Haba, Nuclear Chemistry Research Team, RI Application Research Group
Nov. 24	Direct Determination of the Activation Energy for Diffusion of OH Radicals on Water Ice https://www.riken.jp/press/2022/20221124_1/index.html	Y. Nakai, Radioactive Isotope Physics Laboratory
Nov. 25	Polarized x-rays from a magnetar https://www.riken.jp/press/2022/20221125_2/index.html	K. Uchiyama, High Energy Astrophysics Laboratory
Jan. 6	Observation of non-existence of new magic number in titanium and vanadium neutron rich isotopes https://www.riken.jp/press/2023/20230106_2/index.html	H. Ishiyama, SLOWRI Team
Feb. 22	Long-term density trend in the mesosphere and lower thermosphere from occultations of the crab nebula with X-ray astronomy satellites https://www.riken.jp/press/2023/20230222_2/index.html	Y. Motizuki, Astro-Glaciology Research Group
Mar. 2	Singlet fission as a polarized spin generator for dynamic nuclear polarization https://www.riken.jp/press/2023/20230302_1/index.html	T. Uesaka, K. Tateishi, Spin isospin Laboratory
Mar. 27	Chiral symmetry restoration at high matter density observed in pionic atoms https://www.riken.jp/press/2023/20230327_1/index.html	T. Nishi, K. Itahashi, Researcher at the Accelerator Group, Meson Science Laboratory

KEK

Jan. 6	チタン・バナジウム中性子過剰同位体で新魔法数の消失を観測 ～精密質量測定による原子核構造のより深い理解に期待～ https://www.kek.jp/ja/press/202301061400/	KEK, RIKEN, Osaka University
Mar. 31	40 年ぶりに中性子過剰なウラン同位体を新発見 ～ウランの起源解明に期待～ https://www.kek.jp/ja/press/202304010000/	KEK, RIKEN