

Press Releases (April 2023–March 2024)

RNC		
Apr. 1	Discovery of new isotope ^{241}U and systematic high-precision atomic mass measurements of neutron-rich Pa-Pu nuclei produced via multi-nucleon transfer reactions https://www.riken.jp/press/2023/20230403_1/index.html	M. Mukai and H. Ueno, Nuclear Spectroscopy Laboratory
Jun. 22	Measurement of Direct-Photon Cross Section and Double-Helicity Asymmetry at $\sqrt{s} = 510$ GeV in $\bar{p} + \bar{p}$ Collisions https://www.riken.jp/press/2023/20230622_1/index.html	Y. Akiba, Y. Goto and R. Seidl, RHIC Physics Research Laboratory
Aug. 31	First observation of ^{28}O https://www.riken.jp/press/2023/20230831_2/index.html	M. Sasano and T. Uesaka, Nuclear Dynamics Research Group, and H. Otsu, SAMURAI Team
Aug. 31	Development of a mass production method for the artificial element astatine - Accelerating the development of cancer drugs using alpha particles - https://www.riken.jp/press/2023/20230831_3/index.html	H. HABA, Nuclear Chemistry Group
Sep. 1	First observation of electron scattering from online-produced radioactive target https://www.riken.jp/press/2023/20230901_1/index.html	T. Ohnishi, Instrumentation Development Group
Sep. 19	A novel laser melting sampler for discrete, sub-centimeter depth-resolved analyses of stable water isotopes in ice cores https://www.riken.jp/press/2023/20230919_2/index.html	Y. Motizuki, Astro-Glaciology Laboratory
Oct. 16	Immuno-PET and targeted alpha therapy using anti-glypican-1 antibody labeled with $^{89}\text{Zr}/^{211}\text{At}$: A novel theranostics approach for pancreatic ductal adenocarcinoma https://www.riken.jp/press/2023/20231016_1/index.html	H. Haba, Nuclear Chemistry Group
Oct. 25	Polarizing agents beyond pentacene for efficient triplet dynamic nuclear polarization in glass matrices https://www.riken.jp/press/2023/20231025_3/index.html	T. Uesaka and K. Tateishi, Nuclear Dynamics Research Group
Nov. 22	Triplet Dynamic Nuclear Polarization of Pyruvate via Supramolecular Chemistry https://www.riken.jp/press/2023/20231122_3/index.html	T. Uesaka and K. Tateishi, Nuclear Dynamics Research Group
Dec. 6	Validation of the ^{10}Be Ground-State Molecular Structure Using $^{10}\text{Be}(p, \text{pa})\ ^6\text{He}$ Triple Differential Reaction Cross-Section Measurements https://www.riken.jp/press/2023/20231206_1/index.html	T. Uesaka, Nuclear Dynamics Research Group, and H. Otsu, SAMURAI Team
Feb. 13	Demonstration of nuclear gamma-ray polarimetry based on a multi-layer CdTe Compton Camera https://www.nishina.riken.jp/news/2024/20240213.html	S. Go, Nuclear Structure Research Group
Feb. 16	Neutron capture reaction cross-section of ^{79}Se through the $^{79}\text{Se}(d, p)$ reaction in inverse kinematics https://www.riken.jp/press/2024/20240216_1/index.html	H. Otsu, SAMURAI Team, T. Sumikama, Slow RI Data Team, and D. Suzuki, Radioactive Isotope Physics Group
Mar. 1	Metallic radionuclide-labeled tetrameric 2,6-diisopropylphenyl azides for cancer treatment https://www.riken.jp/press/2024/20240301_1/index.html	H. Haba, Nuclear Chemistry Group
CNS		
Feb. 16	Measuring neutrons to reduce nuclear waste https://www.u-tokyo.ac.jp/focus/en/press/z0508_00334.html	N. Imai, Center for Nuclear Study