

## <sup>97</sup>Se

In 2024, Shimizu et al. reported the observation of <sup>97</sup>Se in the paper “Production of new neutron-rich isotopes near the N=60 isotones <sup>92</sup>Ge and <sup>93</sup>As by in-flight fission of a 345 MeV/nucleon <sup>238</sup>U beam” ([2024Sh17](#)). The beam was provided by the RIBF accelerator complex at RIKEN and the fission fragments were separated and identified with the large-acceptance two-stage separator BigRIPS. “In total, we have produced and identified the following 15 new neutron-rich isotopes: <sup>84</sup>Cu, <sup>86,87</sup>Zn, <sup>88,89</sup>Ga, <sup>91,92</sup>Ge, <sup>93,94,95</sup>As, <sup>96,97</sup>Se, <sup>99,100</sup>Br, and <sup>103</sup>Kr.” Six events for <sup>97</sup>Se were recorded.

[2024Sh17](#) Y. Shimizu, T. Kubo, T. Sumikama, N. Fukuda *et al.*, Phys. Rev. C **109**, 044313 (2024).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”