^{150}Cs

In 2017, Wu et al. discovered ^{150}Cs in "94 β-Decay Half-Lives of Neutron-Rich $_{55}$Cs to $_{67}$Ho: Experimental Feedback and Evaluation of the r-Process Rare-Earth Peak Formation" (2017Wu04). A 345 MeV/nucleon ^{238}U beam from RIBF was used to produce fission fragments which were separated with the BigRIPS separator and the ZeroDegree spectrometer. The nuclides were identified with the TOF-Bρ-ΔE method and their β-decay half-lives were measured with the Wide range Active Silicon-Strip Stopper Array for Beta and ion detection (WAS3ABi). The extracted half-life for ^{150}Cs was 0.0844(82) s as listed in the supplemental material of the paper.Originally, the discovery of ^{150}Cs was attributed (2012Ma48, 2016ThZW) to a 1987 paper by Ravn (1987Ra12), however, no quantities or evidence for the direct observation of ^{150}Cs were presented. In 1999, the half-life of ^{150}Cs was reported only in a Ph.D thesis (2000KoZH). It should be mentioned that Lica et al. (2017Li06) submitted their half-life measurement of ^{150}Cs only about seven weeks after the Wu et al. paper.

1987Ra12 H. L. Ravn, Nucl. Instrum. Methods Phys. Res. B **26**, 72 (1987).

2000KoZH U. Koster, Thesis, Technischen Univ. Munchen (2000).

2012Ma48 E. May and M. Thoennessen, At. Data Nucl. Data Tables **98**, 960 (2012).

2016ThZW M. Thoennessen, The Discovery of Isotopes, A Complete Compilation, Springer, Switzerland (2016).

2017Li06 R. Lica, G. Benzoni, A. I. Morales, M. J. G. Borge *et al.*, J. Phys. G **44**, 054002 (2017).

2017Wu04 J. Wu, S. Nishimura, G. Lorusso, P. Moller *et al.*, Phys. Rev. Lett. **118**, 072701 (2017).

Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"