^{100}Rb

Koglin et al. reported the identification of ^{100}Rb in "Half-lives of the new isotopes ^{100}Rb, ^{100}Sr, ^{148}Cs and of ^{199}Rb, ^{99}Sr and ^{147}Cs" in 1978 (1978Ko29). ^{100}Rb was produced and identified by neutron induced fission of ^{235}U at the On-line Separator für Thermisch Ionisierbare Spaltprodukte (OSTIS) facility in Grenoble, France. "An improvement of the ion source of the online fission product separator OSTIS allowed us to identify the new isotopes ^{100}Rb (50±10 msec), ^{100}Sr (170±80 ms), and ^{148}Cs (130±40 ms)." The observation of ^{100}Rb was independently reported less than a month later by Peuser et al. (1979Pe01).

Adapted from reference (2012Pa21)

1978Ko29 E. Koglin, G. Jung, G. Siegert, R. Decker *et al.*, Z. Phys. A **288**, 319 (1978).

1979Pe01 P. Peuser, H. Otto, M. Weis, G. Nyman *et al.*, Z. Phys. A **289**, 219 (1979).

2012Pa21 A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (2012).

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