^{96}Sr

In the 1971 article "Quelques résultats nouveaux sur les noyaux de masse paire de strontium riches en neutrons," Macias-Marques et al. described the observation of ^{96}Sr (1971Ma31). ^{96}Sr was observed in the decay of ^{96}Rb which was produced by proton induced fission of ^{238}U at the synchrocyclotron of Orsay, France. "Un premier résultat de ces mesures est la connaissance des énergies du premier niveau 2^+ des $Sr^{92,94,96}$: 813, 835 et 813 keV respectivement." [First results of these measurements are the energies of the first excited 2^+ of $Sr^{92,94,96}$ which are 813, 835 and 813 keV, respectively.] A previous tentative assignment of 2^+ and 4^+ energies of 204.1 keV and 556.3 keV (1970Ch11) as well as a measurement of the half-life of 4.0(2) s (1967Am01) could not be confirmed. Previously measured isomeric excited states at 101.0 and 110.7 keV were assigned to either ^{96}Sr or ^{97}Sr (1970Gr38).

Adapted from reference (2012Pa21)

1967Am01 I. Amarel, R. Bernas, R. Foucher, J. Jastrzebski *et al.*, Phys. Lett. B **24**, 402 (1967).

1970Ch11 E. Cheifetz, R. C. Jared, S. G. Thompson, and J. B. Wilhelmy, Phys. Rev. Lett. **25**, 38 (1970).

1970Gr38 J. W. Gruter, K. Sistemich, P. Armbruster, J. Eidens, and H. Lawin, Phys. Lett. B **33**, 474 (1970).

1971Ma31 M. I. Macias-Marques, A. Johnson, R. Foucher, and R. Henck, J. Phys. (Paris) **32**, 237 (1971).

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

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