Adopted Levels

Type Author Citation Literature Cutoff Date
Full Evaluation Balraj Singh ENSDF 15-Aug-2010

 $Q(\beta^{-})=1.35\times10^{4} \text{ syst}; S(n)=2.2\times10^{3} \text{ syst}$ 2012Wa38

Note: Current evaluation has used the following Q record \$13050 calc 2200 calc 18420 calc -12520 calc 1997Mo25 S(2n)=6960, S(2p)=35400 (1997Mo25, calculated).

2010Oh02: ¹⁰⁷Sr nuclide identified in Be(²³⁸U,F) and Pb(²³⁸U,F) reactions with a ²³⁸U⁸⁶⁺ beam energy of 345 MeV/nucleon produced by the cascade operation of the RBIF accelerator complex of the linear accelerator RILAC and four cyclotrons RRC, fRC, IRC and SRC. Identification of ¹⁰⁷Sr nuclei was made on the basis of magnetic rigidity, time-of-flight and energy loss of the fragments using BigRIPS fragment separator. Experiments performed at RIKEN facility.

Based on A/Q spectrum and Z versus A/Q plot, 2 counts were assigned to ¹⁰⁷Sr isotope. (Q=charge state).

$^{107}\mathrm{Sr}$ Levels