## Adopted Levels

History				
Туре	Author	Citation	Literature Cutoff Date	
Full Evaluation	E. A. Mccutchan	NDS 125, 201 (2015)	31-Dec-2014	

 $Q(\beta^{-})=12519 SY; S(n)=2203 SY; S(p)=18357 SY; Q(\alpha)=-11453 SY 2012Wa38$ 

 $\Delta Q(\beta^{-}) = 503; \Delta S(n) = 585; \Delta S(p) = 945; \Delta Q(\alpha) = 945$  (2012Wa38).

S(2n)=6681 syst 503;  $Q(\beta^{-}n)=8121$  syst 503 (2012Wa38).

1997Be70: <sup>83</sup>Zn isotope produced and identified in projectile fission in  ${}^{9}Be({}^{238}U,X)$  at 750 MeV / nucleon. Fission fragments separated using the fragment separator (FRS) in achromatic mode and identified using  $\Delta E$ -B $\rho$ -TOF measurements. Measured production cross section  $\approx 1$  nb.

2012Ma37: <sup>83</sup>Zn isotope produced in proton induced fission on a UC<sub>x</sub> target with E(p)=50 MeV. Fission products extracted as positive ions and selected using two consecutive mass separation magnets with  $\Delta m/m \approx 1,000$  and 10,000, respectively. Measured  $E\gamma$ ,  $I\gamma$ ,  $\gamma(t)$  and  $\beta$ - $\gamma$  coincidences using LeRIBSS consisting of four HPGe clover detectors for  $\gamma$ -rays and two plastic scintillators for  $\beta$  particles.

A 109.6-keV  $\gamma$  ray is assigned by 2012Ma37 to the  $\beta^-$  decay of <sup>83</sup>Zn.

## <sup>83</sup>Zn Levels

E(level)	T <sub>1/2</sub>	Comments	
0.0	117 ms 20	$\[ \] \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	

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