

**Adopted Levels: not observed**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows <sup>a</sup>	NDS 109,1879 (2008)	14-Jul-2008

$Q(\beta^-) = -1.75 \times 10^4$  syst;  $S(n) = 1.93 \times 10^4$  syst;  $S(p) = -8. \times 10^2$  syst;  $Q(\alpha) = -7.6 \times 10^3$  syst [2012Wa38](#)

Note: Current evaluation has used the following Q record  $-1.857E4$  syst  $1.747E4SY$   $-1300$  syst- $6.89E3$  [SY2003AU03](#).

$Q(\beta^-)$ : Estimated uncertainty=480 keV.

$S(n)$ : Estimated uncertainty=640 keV.

$S(p)$ : Estimated uncertainty=270 keV.

$Q(\alpha)$ : Estimated uncertainty=400 keV.

[1994B110](#):  $^9\text{Be}(^{48}\text{Ni},x)$   $E=650$  MeV/A. Measured fragment production  $\sigma$ ; projectile-fragment separator FRS at Darmstadt.  $^{49}\text{Co}$  not observed.

[2003Au02](#) propose  $J^\pi=7/2^-$  based on systematics and  $T_{1/2} < 35$  ns based on non-observation of  $^{49}\text{Co}$ .