

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, F. G. Kondev		NDS 124, 157 (2015)	1-Aug-2014

$Q(\beta^-)=7791$  SY;  $S(n)=5598$  SY;  $S(p)=15877$  SY;  $Q(\alpha)=-8536$  SY    [2012Wa38](#)

Produced at the BigRIPS facility at RIKEN ([2011Ni01](#)). A mass separated source produced in the  $^{238}\text{U}+\text{Be}$  reaction; Beam:

$E(^{238}\text{U})=345$  MeV/u, 0.3 pA; Target: 550 mg/cm<sup>2</sup> Be; Detectors: BigRIPS, DSSD; Measured: implant- $\beta(t)$ ; Also, from the same collaboration: [2011NiZY](#).

 $^{112}\text{Mo}$  Levels

E(level)	$J^\pi$	$T_{1/2}$	Comments
0.0	$0^+$	120 ms +13-11	$\% \beta^- = 100$ $T_{1/2}$ : from implant- $\beta(t)$ using maximum-likelihood analysis ( <a href="#">2011Ni01</a> ). A value of $\approx 103$ ms is predicted in <a href="#">2003Mo09</a> . $\% \beta^- n$ : Calculated $\% \beta^- n = 4.4$ in <a href="#">2003Mo09</a> .