## $^{138}$ Sm $\varepsilon$ decay 1973WeZK

Type Author Citation Literature Cutoff Date
Full Evaluation Jun Chen NDS 146, 1 (2017) 30-Sep-2017

Parent:  $^{138}$ Sm: E=0.0;  $J^{\pi}$ =0+;  $T_{1/2}$ =3.1 min 2;  $Q(\varepsilon)$ =3440 30;  $\%\varepsilon+\%\beta^+$  decay=100.0

 $^{138}$ Sm- $T_{1/2}$ : From Adopted Levels of  $^{138}$ Sm.

 $^{138}$ Sm-Q( $\varepsilon$ ): From 2017Wa10.

1973WeZK: <sup>138</sup>Sm source was produced by 600-MeV proton bombardment of a Gd-La target. Assignment was based on mass separation and observation of Pm x-rays.

 $\gamma(^{138}\text{Pm})$ 

 $E_{\gamma}^{\dagger}$ 

<sup>†</sup> Only  $\gamma$  transitions with E<120 were studied.

 $^{x}$   $\gamma$  ray not placed in level scheme.