

$^{178}\text{W}$   $\epsilon$  decay [1967Ni02](#)

| Type            | Author                                    | History | Citation             | Literature Cutoff Date |
|-----------------|---|---------|----------------------|------------------------|
| Full Evaluation | E. Achterberg, O. A. Capurro, G. V. Marti |         | NDS 110, 1473 (2009) | 31-May-2008            |

Parent:  $^{178}\text{W}$ :  $E=0.0$ ;  $J^\pi=0^+$ ;  $T_{1/2}=21.6$  d 3;  $Q(\epsilon)=91.3$  20;  $\% \epsilon$  decay=100.0

$^{178}\text{W}$ - $Q(\beta^+)$ ,  $T_{1/2}$  from [2003Au03](#).

Measured  $E\gamma$ ,  $I\gamma$ . Detector: scin. No  $\gamma$  rays observed. K x ray=28%.

 $^{178}\text{Ta}$  Levels

| E(level) | $J^\pi$           | $T_{1/2}$  | Comments                         |
|----------|-------------------|------------|----------------------------------|
| 0.0+y    | (1 <sup>+</sup> ) | 9.31 min 3 | $T_{1/2}$ : from Adopted Levels. |

 $\epsilon$  radiations

| E(decay)                      | E(level) | $I\epsilon^\dagger$ | Log $ft$ | Comments   |
|-------------------------------|----------|---------------------|----------|--|
| $(5 \times 10^{1\ddagger} 5)$ | 0.0+y    | 100                 | 4.7      | $\epsilon K=$ 0.26 5; $\epsilon L=$ 0.53 3; $\epsilon M+=$ 0.203 9 |

<sup>†</sup> Absolute intensity per 100 decays.

<sup>‡</sup> Estimated for a range of levels.