

^{178}Os ε decay [1972Be89,1970Ar15](#)

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}Os : $E=0.0$; $J^\pi=0^+$; $T_{1/2}=5.0$ min 4; $Q(\varepsilon)=2110$ 30; $\% \varepsilon + \% \beta^+$ decay=100.0

^{178}Os -E, J^π , and T from [2003Au02](#); $Q(\beta)$ from [2003Au03](#).

Measured E_γ , I_γ . Detectors: Ge(Li), scin. γ rays reported by [1970Ar15](#) may belong to ^{178}Os or ^{179}Os . No decay scheme has been proposed.

 $\gamma(^{178}\text{Re})$

E_γ^\ddagger	I_γ^\dagger	E_γ^\ddagger	I_γ^\dagger	E_γ^\ddagger	I_γ^\dagger	E_γ^\ddagger	I_γ^\dagger
$^x320^\#$ 1	5	$^x548^\#$ 1	≈ 17	x613 1	36	$^x968.7^\#$ 8	138
$^x350.8^\#\&$ 10	30	$^x551.8$ 10	42.5	$^x632.5^\#\&$ 10		$^x1331.1^\#$ 12	130
$^x413^\@$	30	$^x594.6$ 8	100	$^x685.0^\#$ 12	90		
$^x533.1$ 8	61	$^x600.6$ 10	58	$^x745^\#\&$ 2	≈ 40		

† Average from [1972Be89](#) and [1970Ar15](#).

‡ From [1970Ar15](#), unless otherwise specified.

$^\#$ Reported by [1970Ar15](#) only.

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$^\&$ Placement of transition in the level scheme is uncertain.

x γ ray not placed in level scheme.