

$^{80}\text{Se}(t, ^3\text{He})$ **1979Aj02**

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 105, 223 (2005)	22-Jun-2005

E=23.0 MeV.

Magnetic spectrometer of Q3D type with a helical-cathode focal plane detector used for the analysis of ^3He particles. FWHM=25 keV. $\sigma(\theta)$ data obtained at three angles in the range of 25° to 40° . Also deduced mass excess for ^{80}As and precise $Q(\beta^-)$ for ^{80}As decay.

 ^{80}As Levels

E(level)	$d\sigma/d\omega$ $\mu\text{b/sr}^{\textcircled{a}}$	E(level)	$d\sigma/d\omega$ $\mu\text{b/sr}^{\textcircled{a}}$	E(level)	$d\sigma/d\omega$ $\mu\text{b/sr}^{\textcircled{a}}$
0	0.35	$805^{\ddagger} 20$	0.9	1385 30	
243 10	1.5	910 20	1.3	$1494^{\ddagger} 25$	1.4
$355^{\ddagger} 15$	0.60	949 20	1.4	1616 25	
470 15	0.62	1045 20		$1690^{\ddagger} 25$	
$517^{\ddagger} 15$		1170 20	0.61	1790 25	
649 15	3.0	$1270^{\dagger} 30$			
706 20	0.4	$1310^{\#} 30$			

† Not fully resolved and also too broad to be a single line.

‡ Too broad to be a single line.

$^{\#}$ Not fully resolved.

$^{\textcircled{a}}$ At $\theta(\text{lab})=30^\circ$. Uncertainty=40%.