





⁴²K(12 hr.) Decay Scheme 12 hr. Q=3525.4 0.07% 3446.96 694 2752.41 0.05% 2424.17 899 0.34% 1837.30 17.64% 2+ 1524.73 81.90% stable

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ⁴²Κ Half Life: 12.360(3) hr. Detector: 55 cm³ coaxial Ge (Li) Method of Production: ⁴¹Κ(n,γ)

E_{γ} (keV)	σE_{γ}	l _γ (rel)	Ι _γ (%)	σI_{γ}	S
312.6		1.68	0.336	0.020	2
586.87			0.0004		4
694.54			0.0033	0.0007	4
899.43		0.304	0.0515	0.0025	3
1022.78		0.162	0.0201	0.0014	4
1227.66			0.0024	0.0011	4
1524.7		100	18.08	0.09	1
1922.18		0.232	0.041	0.004	1
2424.09		0.122	0.0199	0.0029	1

 $E_{\gamma},~\sigma E_{\gamma},~l_{\gamma},~\sigma l_{\gamma}$ - 1998 ENSDF Data



