

$^{238}\text{U}(^{18}\text{O},\text{F}\gamma)$ 2010Da03

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Zoltan Elekes and Janos Timar		NDS 129, 191 (2015)	28-Feb-2015

2012Da03: E=100 MeV ^{18}O beam from 15ud IUAC Pelletron accelerator facility, New Delhi. Target ≈ 15 mg/cm² self-supporting ^{238}U . Gamma rays were detected by 18 Compton-suppressed clover HPGe detectors of INGA setup. Measured E_γ , I_γ , $\gamma\gamma$ -coincidence. Deduced levels, J, π .

Level scheme is constructed by evaluator based on coincidence γ ray spectra shown in [2010Da03](#).

 ^{128}Te Levels

E(level)	J^π
0	0^+
743.0 10	2^+
1497.0 14	4^+
1811.0 17	6^+
2133.0 17	5^-
2337.0 20	$(7)^-$
2689.0 20	8^+
2791.0 22	10^+
3508.0 24	(12^+)

 $\gamma(^{128}\text{Te})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
102	2791.0	10^+	2689.0	8^+
314	1811.0	6^+	1497.0	4^+
526	2337.0	$(7)^-$	1811.0	6^+
636	2133.0	5^-	1497.0	4^+
717	3508.0	(12^+)	2791.0	10^+
743	743.0	2^+	0	0^+
754	1497.0	4^+	743.0	2^+
878	2689.0	8^+	1811.0	6^+

$^{238}\text{U}(^{18}\text{O},\text{F}\gamma)$ 2010Da03Level Scheme