

$^{56}\text{Fe}(^3\text{He},p\gamma)$ 1973Ha27

Type	Author	Citation	History	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja and B. Singh	ENSDF		31-Oct-2015

E=22 MeV; measured: γ , $p\gamma$ coin. ^{58}Co Levels

E(level)	J^π †	E(level)	J^π †	E(level)	J^π †	E(level)	J^π †
0.0	2 ⁺	1378 4	1 ⁺	1868 4	1 ⁺	5683	
113 4	3 ⁺	1434 4	1 ⁺	2250 4	1 ⁺	5738 8	0 ⁺
366 4	3 ⁺	1730 4	1 ⁺	3284 4	1 ⁺	5756 8	0 ⁺
1048‡ 4		1817 4	0 ⁺	3639 4			

† Adopted values.

‡ Probably 1048+1050 in Adopted Levels.

 $\gamma(^{58}\text{Co})$

E_γ †	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ †	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ †	$E_i(\text{level})$	J_i^π	E_f	J_f^π
330	1378	1 ⁺	1048		1434	1434	1 ⁺	0.0	2 ⁺	2591	3639		1048	
366	366	3 ⁺	0.0	2 ⁺	1730	1730	1 ⁺	0.0	2 ⁺	2918	3284	1 ⁺	366	3 ⁺
820	1868	1 ⁺	1048		1817	1817	0 ⁺	0.0	2 ⁺	3284	3284	1 ⁺	0.0	2 ⁺
935‡	1048		113	3 ⁺	1868	1868	1 ⁺	0.0	2 ⁺	4008	5738	0 ⁺	1730	1 ⁺
1048‡	1048		0.0	2 ⁺	2205	3639		1434	1 ⁺	4026	5756	0 ⁺	1730	1 ⁺
1378	1378	1 ⁺	0.0	2 ⁺	2250	2250	1 ⁺	0.0	2 ⁺	4690	5738	0 ⁺	1048	
1416	3284	1 ⁺	1868	1 ⁺	2261	3639		1378	1 ⁺					

† Deduced from presented level energies and decay scheme.

‡ May be composites of gammas from known 1044 and 1055 levels.

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Level Scheme

