^{58}Fe(p,n), (p,nγ) IAR 1993Ti06,1975Br05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia	NDS 151, 1 (2018)	1-Apr-2018

1993Ti06: (p,n), E(p)=3.155-4.925 MeV; natural Fe target; measured σ(E).

1975Br05: (p,nγ), E(p)=3.33-4.73 MeV; 53.1% ^{58}Fe target; measured excitation functions for 321γ and 432γ of ^{58}Co to look for IAR in ^{59}Co.

^{59}Co Levels

E(level)	J$^{\pi}$	Comments
11148	(5/2$^-$)	E(level): from E(p)(lab)=3850, the average of 3900 keV (1993Ti06) and 3800 (1975Br05) assuming S(p)=7363.6 *4* (2017Wa10). J$^{\pi}$: analogue of 5/2$^-$ ^{59}Fe(1570 level).