

$^9\text{Be}(^{55}\text{Ni},\text{X}\gamma)$ 2005Ta27

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yang Dong, Huo Junde		NDS 121, 1 (2014)	20-Jun-2014

Two-step fragmentation of ^{58}Ni primary beam.

$E \approx 170$ MeV/nucleon. Measured E_γ , I_γ , $\gamma\gamma$, (fragment) γ coin, γ detected by rising Ge detector array, fragments from second reaction detected downstream in a CATE (calorimeter telescope) consisting of nine individual position sensitive Si detectors arranged in a square geometry behind which were nine CsI detector arranged in the same geometrical configuration. See also [2005Ha25](#).

 ^{54}Ni Levels

E(level)	J^π
0	0^+
1392	2^+
2619	4^+

 $\gamma(^{54}\text{Ni})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
1227	2619	4^+	1392	2^+
1392	1392	2^+	0	0^+

 $^9\text{Be}(^{55}\text{Ni},\text{X}\gamma)$ 2005Ta27Level Scheme