

$^{165}\text{Ho}(^{40}\text{Ar},7\text{n})$ 2012Fo09

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 133, 221 (2016)	1-Dec-2015

2012Fo09: $^{165}\text{Ho}(^{40}\text{Ar},7\text{n})$, E=220.2 MeV. Beam: $^{40}\text{Ar}^{5+}$ pulsed beam (0.5 s on with 0.5 s off) with intensity of 8.7×10^{11} pps delivered by the K500 cyclotron at TAMU. Target: self-supporting $497 \mu\text{g}/\text{cm}^2$ thick ^{165}Ho . Reaction products were separated using the MARS recoil separator and implanted on a 50 mm \times 50 mm, 300 μm thick Si strip detector with an energy resolution of about 60 keV (FWHM). Measured: E_α , $T_{1/2}$.

 ^{198}At Levels

E(level)	J^π [†]	$T_{1/2}$	Comments
0.0	(3 ⁺)	4.2 s 20	$T_{1/2}$: From $\alpha(t)$ in 2012Fo09. $E\alpha=6749.0$ 34 (2012Fo09).

[†] From Adopted Levels.