

${}^{12}\text{C}({}^{12}\text{C}, {}^9\text{C})$ **1996Ma38**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, B. Grees		ENSDF	31-July-2020

1996Ma38: ${}^9\text{C}$ ions were produced via fragmentation of a ${}^{12}\text{C}$ beam on a ${}^{12}\text{C}$ target at the RIKEN/RIPS facility. The ${}^9\text{C}$ beam at $\theta_{\text{lab}}=5^\circ \pm 1^\circ$ was purified and collected in a $50\mu\text{m}$ thick Pt foil that was cooled to 30 K and held in a strong magnetic field; typical measured polarizations were $P=-3.4\%$. Using standard β -NMR techniques, the decay β -ray asymmetry was determined and $\mu=1.3914 \mu_N$ was deduced (using $\mu({}^8\text{B})$ for calibration). A negative sign is assumed.

 ${}^9\text{C}$ Levels

E(level)	Comments
0	$\mu=-1.3914$ 5