

$^{12}\text{C}(^{22}\text{Ne}, ^{19}\text{C})$ 1988Du09

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. H. Kelley, G. C. Sheu		ENSDF	23-March-2017

1988Du09: ^{19}C was produced by fragmentation of a 60 MeV/n ^{22}Ne beam impinging on either a tantalum or a carbon target and was selected using the LISE spectrometer. The ^{19}C ions were implanted into a 7 mm thick plastic scintillator. Following the decay, β -particles were detected by a plastic scintillator while the delayed neutrons were detected through the $\text{Gd}(n,\gamma)$ reaction in a 4π neutron ball that surrounded the implantation target. $T_{1/2}=49$ ms 4 , $P_{0n}=0.46$ 3 , $P_{1n}=0.47$ 3 and $P_{2n}=0.07$ 2 were measured.

 ^{19}C Levels

<u>E(level)</u>	<u>$T_{1/2}$</u>
0	49 ms 4