

${}^9\text{Be}(\alpha, {}^8\text{B})$  1968Mc02

Type	Author	Citation	History	Literature Cutoff Date
Full Evaluation	J. E. Purcell, C. G. Sheu	ENSDF		28-Feb-2019

**1968Mc02:** The  ${}^9\text{Be}(\alpha, {}^8\text{B})$  reaction was studied at the Berkeley 88-inch cyclotron by impinging a 129 MeV  $\alpha$  beam on a self supporting  $650 \mu\text{g}/\text{cm}^2$   ${}^9\text{Be}$  target; two  $\Delta E_1$ - $\Delta E_2$ -E-Veto counters at  $\theta=10^\circ$  and  $14.1^\circ$  measured the reaction products. No evidence was found for bound or narrow states of  ${}^5\text{H}$ . However, the data was suggestive of a very broad state or group of states at around  $E_{\text{res}}({}^3\text{H}+2n)\approx 11.6$  MeV.

 ${}^5\text{H}$  Levels

E(level)	$E_{\text{res}}({}^3\text{H}+2n)$ (MeV)	Comments
$\approx 9.2 \times 10^3$	$\approx 11.6$	$\Gamma$ : Broad.