

${}^9\text{Be}(\pi^-, \text{dd})$  2003Go08,2005Gu17

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

2003Go08,2005Gu07,2005Gu17: The experiment was performed at LAMPF. The negative pions were stopped in a thin Be target, the reaction products p+t and d+d were observed and the  ${}^5\text{H}$  missing mass spectra were obtained. The observed resonance energies  $E_{\text{res}}$  and widths  $\Gamma$  are listed below. See similar discussion in (2009Gu17,2016Gu21).

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

$E(\text{level})^\dagger$	$\Gamma$	$E_{\text{res}}({}^3\text{H}+2\text{n})(\text{MeV})$
$3.7 \times 10^3$ 5	4.5 MeV 12	6.1 4
$9.0 \times 10^3$ 8	5 MeV 1	11.4 7
$16.3 \times 10^3$ 6	5.5 MeV 17	18.3 5
$24.1 \times 10^3$ 10	6 MeV 3	26.5 10

$^\dagger$  From  $E_{\text{res}} - E_{\text{g.s.}} = E_{\text{res}} - 2.4 \text{ MeV}$  3.