

$^2\text{H}(^{44}\text{Ar},\text{P})\text{E}=440\text{ MeV}$ **2005Ga45**

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	T. W. Burrows	NDS 109, 171 (2008)	30-Oct-2007

Beam produced through fragmentation of a 66 MeV/A ^{48}Ca beam on a thick carbon target At the SPIRAL facility of GANIL.

380 $\mu\text{g}/\text{cm}^2$ thick CD_2 target. Tracking of secondary beam by a position sensitive gas detector CATS. Protons detected between 110° and 170° using 8 highly segmented MUST telescopes. Beam-like transfer products selected by SPEG spectrometer through position, energy loss, and tof information.

 ^{45}Ar Levels

<u>E(level)</u>	<u>L[†]</u>	<u>C²S'</u>
0.0	3	0.18
549	1	0.19
1423	1	0.26
1876	1	0.15
2510	1	0.22
3230		
3718		
4280		
4800	3,4	0.18,0.21
5773	3,4	0.19,0.22

[†] From comparison to DWBA calculations.