

$^{71}\text{Ga}(^6\text{Li},^6\text{He})$  **1991As05**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 188,1 (2023)	17-Jan-2023

**1991As05:** E=156 MeV beam from the Karlsruhe Isochronous Cyclotron. Measured  $^6\text{He}$  spectrum,  $\sigma(q)$ . DWBA analysis of  $\sigma(\theta)$ .  
Deduced Gamow-Teller strength function to calibrate solar neutrino detectors.

 $^{71}\text{Ge}$  Levels

E(level)	$J^\pi$	Comments
0	$1/2^-$	$\sigma(\theta)$ measured for the g.s. and analyzed by DWBA. B(GT)=0.11 3.
$5 \times 10^3$ 3		E(level): wide bump in the range 2-8 MeV with a total B(GT)=3.2 4. B(GT) strengths ( <b>1991As05</b> ) for different energy regions are: 0.17 3 for 0-1 MeV, 0.14 3 for 1-2 MeV, 0.13 3 for 2-3 MeV, 0.35 6 for 3-4 MeV, 0.71 14 for 4-5 MeV, 0.64 15 for 5-6 MeV, 0.55 14 for 6-7 MeV, 0.55 14 for 7-8 MeV.