

$^{90}\text{Zr}(\alpha, ^2\text{He})$  1980Va17

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Coral M. Baglin	NDS 113, 2187 (2012)	15-Sep-2012

$E(\alpha)=65$  MeV; two  $\Delta E$ -E solid-state counter telescopes in vertical plane with axes  $15^\circ$  apart to identify  $^2\text{He}$  by measuring its breakup protons in coincidence; pile-up and deadtime corrections made;  $\theta(\text{lab})=0^\circ -50^\circ$ ; FWHM not stated, but peaks separated by 400 keV are barely resolved in authors'  $23.5^\circ$  spectrum. No DWBA analysis attempted.

 $^{92}\text{Zr}$  Levels

<u>E(level)</u>
0.0
1495 <sup>†</sup>
2340 <sup>†</sup>
3540 40
5890 70
6990 90
$7.4 \times 10^3$ 1

<sup>†</sup> Rounded-off value from Adopted Levels.