

$^{90}\text{Zr}(^{16}\text{O}, ^{15}\text{O})$  1973Zi04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 114, 1293 (2013)	1-Sep-2013

$J^\pi(^{15}\text{O})=1/2^-$ .

E=104 MeV. Enriched target. Magnetic spectrometer with position sensitive detector.  $\theta(\text{c.m.})=20^\circ$  to  $40^\circ$ . FWHM $\approx$ 250 keV.

 $^{91}\text{Zr}$  Levels

E(level)	$L^\dagger$	$S^\ddagger$	Comments
0 <sup>#</sup>	(3)	(1.0)	S: if $J^\pi=5/2^+$ .
2.16 $\times 10^3$ <sup>#</sup> 10	(6)	0.91	S: if $J^\pi=11/2^-$ .
2.7 $\times 10^3$ I			S: 39 if $J^\pi=3/2^+$ ; 0.48 if $J^\pi=5/2^+$ .
3.4 $\times 10^3$ I		335	S: if $J^\pi=7/2^+$ .
3.8 $\times 10^3$ I			S: 117 if $J^\pi=3/2^+$ ; 0.16 if $J^\pi=11/2^-$ .
4.1 $\times 10^3$ I		0.06	S: if $J^\pi=11/2^-$ .
4.4 $\times 10^3$ I		0.07	S: if $J^\pi=11/2^-$ .
4.7 $\times 10^3$ I		0.08	S: if $J^\pi=11/2^-$ .
5.0 $\times 10^3$ I		0.09	S: if $J^\pi=11/2^-$ .

<sup>†</sup> From DWBA.

<sup>‡</sup> From DWBA normalized so S(g.s.)=1.0.

<sup>#</sup> Used as a calibration point.