

$^{89}\text{Y}(e,e'p)$  IAR 1974Sh05

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh	NDS 114, 1 (2013)	20-Oct-2012

1974Sh05 (also 1975Sh04,1968Sh18): E=14 to 30 MeV. Magnetic spectrometer, measured proton spectra at  $\theta=90^\circ$  and angular distribution. FWHM=100 keV for 8 MeV protons.

 $^{89}\text{Y}$  Levels

$\Gamma_\gamma$ : from area analysis of the cross section,  $(2J+1) \times \Gamma_\gamma \times \%p \times \text{Ip}(^{88}\text{Sr g.s.})$  was determined.

E(level) <sup>†</sup>	J <sup>π</sup> <sup>‡</sup>	E(p)(lab) (keV)	Comments
$13.0 \times 10^3$	(1/2 <sup>+</sup> )	$5.9 \times 10^3$	$\Gamma_\gamma=13$ eV 6 IAS of 1032, 1/2 <sup>+</sup> in $^{89}\text{Sr}$ .
$14.5 \times 10^3$	(3/2 <sup>+</sup> )	$7.3 \times 10^3$	$\Gamma_\gamma=16$ eV 8 IAS of 2455, 3/2 <sup>+</sup> in $^{89}\text{Sr}$ .
$14.9 \times 10^3$		$7.7 \times 10^3$	
$15.8 \times 10^3$	(1/2 <sup>+</sup> )	$8.6 \times 10^3$	$\Gamma_\gamma=42$ eV 21 IAS of 3757, 1/2 <sup>+</sup> in $^{89}\text{Sr}$ .
$16.7 \times 10^3$	(1/2 <sup>+</sup> )	$9.5 \times 10^3$	IAS of 4651, 1/2 <sup>+</sup> in $^{89}\text{Sr}$ .
$17.7 \times 10^3$	(1/2 <sup>+</sup> )	$10.5 \times 10^3$	IAS of 5360, 1/2 <sup>+</sup> in $^{89}\text{Sr}$ .
$18.9 \times 10^3$		$11.7 \times 10^3$	
$20.3 \times 10^3?$		$13.0 \times 10^3$	
$21.7 \times 10^3?$		$14.4 \times 10^3$	

<sup>†</sup> From 1974Sh05. S(p)=7077.2 25 (2011AuZZ).

<sup>‡</sup> From Adopted Levels.