

$^{26}\text{Mg}(^{11}\text{B}, ^{11}\text{C})$  1974Sc26

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia and A. M. Hurst		NDS 134, 1 (2016)	1-Feb-2016

1974Sc26: a  $750 \mu\text{g}/\text{cm}^2$   $^{26}\text{Mg}$  target bombarded by an 86-MeV  $^{11}\text{B}$  beam at the 88-Inch Cyclotron of the Lawrence Berkeley National Laboratory. Reaction products identified from their time-of-flight (tof) and energy loss using QSD spectrometer. Magnetic rigidity and energy loss measured with position sensitive Borkowski-Kopp proportional counters, TOF measured using a  $250\text{-}\mu\text{g}/\text{cm}^2$  thick NE 111 scintillator foil. Energy levels deduced in  $^{26}\text{Na}$  from measured particle spectra.

 $^{26}\text{Na}$  Levels

E(level)	Comments
0	
$2.3 \times 10^2$ 15	
$2.10 \times 10^3$ ? 15	E(level): Ambiguous assignment due to close proximity of excited state in $^{11}\text{C}$ at 1995 keV.
$4.79 \times 10^3$ ? 15	E(level): Ambiguous assignment due to close proximity of excited state in $^{11}\text{C}$ at 4794 keV.