
Si(${}^{17}\text{Ne},\text{X}$) **2006Wa18**

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. H. Kelley, G. C. Sheu		ENSDF	16-Jan-2018

2006Wa18: A beam of 53 MeV/nucleon ${}^{17}\text{Ne}$ ions, produced by fragmenting an 80 MeV/nucleon ${}^{20}\text{Ne}$ beam at the NSCL/A1200 facility, impinged on a stack of ten Si ΔE detectors. An analysis of the energy spectra in each ΔE detector yielded the energy dependent reaction cross section, $\sigma_R(E)$, for $E=28\text{-}53$ MeV/nucleon. A Glauber model analysis of the cross sections indicates a matter radius of $R_{r.m.s.}=2.84$ fm 23.

 ${}^{17}\text{Ne}$ LevelsE(level)

0