

${}^9\text{Be}({}^{17}\text{Ne},\text{X})$  2003Ka43

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

2003Ka43, 2004Ka20, 2004Ka35, 2005Ka51: The 2-proton removal cross section and residual momentum distribution were measured by fragmenting  $\approx 60\text{-}66$  MeV/nucleon  ${}^{17}\text{Ne}$  beams on a  ${}^9\text{Be}$  target at the RIKEN/RIPS facility. The 168 MeV/c 17 parallel momentum distribution width of  ${}^{15}\text{O}$  core fragments, following 2-proton removal, is narrower than expected and may suggest a 2-proton halo in  ${}^{17}\text{Ne}$ . Analysis of the measured 2-p removal cross section,  $\sigma_{2p}=191$  mb 48, suggests uncorrelated valence protons (2003Ka43).

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

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