

$^9\text{Be}(^{20}\text{Ne},^{17}\text{Ne})$  **1998Oz01**

<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

**1998Oz01**: Beams of  $\approx 32$  and 49 MeV/nucleon  $^{17}\text{Ne}$  ions were produced by fragmenting a  $^{20}\text{Ne}$  beam at the RIKEN/RIPS fragment separator. The  $^{17}\text{Ne}$  ions were counted as they were implanted into a plastic plate beam stop. A high  $^{15}\text{O}$  contamination was also present in the beam. The experiment was focused on determining the branching ratio for first forbidden  $\beta$  feeding to  $^{17}\text{F}^*(495)$ . Detectors included a plastic telescope for  $\beta$  counting, and two HPGe detectors. The  $T_{1/2}=108.3$  ms *31* and  $I\beta(^{17}\text{F}(495))=(1.56 \text{ } 20)\%$  were deduced in the analysis.

 $^{17}\text{Ne}$  Levels

<u>E(level)</u>	<u><math>T_{1/2}</math></u>
0	108.3 ms <i>31</i>