
 ${}^{40}\text{Ca}({}^{20}\text{Ne}, {}^{16}\text{O})$ **1971Si14**

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen and Balraj Singh		NDS 190,1 (2023)	20-Jun-2023

1971Si14: E=63.0, 73.7 MeV ${}^{20}\text{Ne}^{4+}$ beam of 200 nA produced from the Oak Ridge variable-energy cyclotron. A target of 60 $\mu\text{g}/\text{cm}^2$ ${}^{40}\text{Ca}$ evaporated onto a 20 $\mu\text{g}/\text{cm}^2$ carbon backing. Two $\Delta\text{E-E}$ telescopes. Measured $\sigma(\text{E}({}^{16}\text{O}), \theta)$. Deduced levels.

Other:

1979Fr02, 1979Ud02: E=262 MeV. Measured $\sigma(\theta)$. No levels reported.

 ${}^{44}\text{Ti}$ Levels

<u>E(level)[†]</u>	<u>J^π</u>
0	0 ⁺
1090	2 ⁺
2470 40	4 ⁺
3310 50	
4010 50	

[†] From **1971Si14**.