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 $^{28}\text{Si}(\alpha, n)$  **1963Ne05**

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<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 184,29 (2022)	24-Jun-2022

**1963Ne05:** E=8.3-13.5 MeV alphas from Florida State University Tandem Van de Graaff. Vycor (96% SiO<sub>2</sub>) target. Annihilation radiation from the decay of  $^{31}\text{S}$  was counted using NaI crystals to form a thick target excitation curve. Sharp increases in the curve were attributed to excited states in  $^{31}\text{S}$ .

 $^{31}\text{S}$  Levels

<u>E(level)</u>	<u>Comments</u>
0	Threshold $E_{(\text{lab})}=9.30$ MeV 5.
1090 50	Threshold $E_{(\text{lab})}=10.55$ MeV 5.
2210 50	Threshold $E_{(\text{lab})}=11.63$ MeV 5.
3040 80	Threshold $E_{(\text{lab})}=12.78$ MeV 5.