

$^{44}\text{Ca}(^7\text{Li},^7\text{Li})$ [1980GI06](#)

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

[1980GI06](#): E=34 MeV ^7Li beam was produced from the Florida State University Super FN tandem Van de Graaff accelerator. Target was enriched $^{44}\text{CaCO}_3$ (98.55%) evaporated onto $100\text{ }\mu\text{g}/\text{cm}^2$ carbon backing, with a thickness of $150\text{ }\mu\text{g}/\text{cm}^2$. Scattered particles were detected with ΔE -E telescopes. Measured $\sigma(\text{E},\theta)$.

^{44}Ca Levels

E(level)	J $^\pi$	Comments
0	0 $^+$	J $^\pi$: from Adopted Levels.