

<sup>44</sup>Ca(<sup>9</sup>Be,<sup>9</sup>Be')    [1981Hn04](#)

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

[1981Hn04](#): E=40 MeV <sup>9</sup>Be beam was produced from the Florida State University Super FN tandem Van de Graaff accelerator. Target was enriched <sup>44</sup>Ca (98.6%) evaporated onto carbon backing, with a thickness of 300 μg/cm<sup>2</sup>. Scattered particles were detected with ΔE-E telescopes of silicon detectors. Measured σ(E,θ). Deduced levels,J, π, L-transfer from DWBA analysis for 1160 keV level.

<sup>44</sup>Ca Levels

E(level)	J <sup>π</sup>	L	Comments
0	0 <sup>+</sup>		J <sup>π</sup> : from the Adopted Levels.
1160	2 <sup>+</sup>	2	β <sub>2</sub> R=1.02 fm.