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 $^{43}\text{Ca}(\text{d},\text{d}')$  1965Be11

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Balraj Singh and Jun Chen <sup>#</sup>		NDS 126, 1 (2015)	31-Mar-2015

Target  $^{43}\text{Ca}$   $J^\pi=7/2^-$ .

**1965Be11**: E=8.522 MeV deuteron beam was produced from the tandem electrostatic generator of the Atomic Weapons Research Establishment (AWRE), Aldermaston, England. Target of enriched  $^{43}\text{Ca}$  (>99.9%). Deuteron spectra recorded with a multi-gap magnetic spectrometer, FWHM=15 keV. Measured  $\sigma(\theta)$ . Deduced levels, J,  $\pi$ , L, deformation parameters from DWBA analysis.

 $^{43}\text{Ca}$  Levels

<u>E(level)</u>	<u>L</u>	<u><math>\beta_2</math></u>
0		
369 5	2	0.114
595 5	2	0.087
1675 5	2	0.13
1932 5	(2)	0.06
2051 5	(2)	0.08
2070 5	4	
2098 5	2	0.09
2252 5	2	0.114