^{140}Ce(d,α) 2012Bu03

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 146, 1 (2017)	30-Sep-2017

2012Bu03: E=25 MeV deuteron beam was produced from the Munich tandem accelerator. Target was CeO_2 81 μg/cm^2 on 7 μg/cm^2 carbon foil. Reaction products were momentum analyzed with the Q3D magnetic spectrograph (FWHM=14-15 keV). Measured σ(E). Deduced levels. The ^{138}La spectrum was used for calibration of ^{150}Pm spectrum.

^{138}La Levels

E(level)†	E(level)†	E(level)†	E(level)†
0	293.0	738.7	915.3‡
72.6	413.3	770.5‡	936.9
116.2	479.3	823.4	961.4
161.2	510.5	842.8	
230.4	642.3	900.6	

† Rounded values from Adopted Levels for levels populated in (d,α) reaction, unless otherwise noted.
‡ Level seen first time in 2012Bu03.