

$^{133}\text{Cs}(\gamma, n)$ 1985Ts02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Yu. Khazov, A. A. Rodionov and S. Sakharov, Balraj Singh		NDS 104, 497 (2005)	10-Feb-2005

E=9.72 MeV, from neutron capture by chromium source in reactor core. Measured neutrons with a ^3He spectrometer. FWHM=18 keV for low-energy neutrons and 30 keV for 1 MeV neutrons.

Measured (lab) energies of neutrons and relative intensities are given under comments.

Other: 1974Le03: E=8-30 MeV. Measured GDR.

 ^{132}Cs Levels

E(level) [†]	J ^π	Comments
0	2 ⁺	E(n)=729 2, I(n)=10.
91 2		E(n)=639 1, I(n)=28 2.
116 3		E(n)=614 2, I(n)=10 2.
144 3		E(n)=586 2, I(n)=31 2.
186 2		E(n)=544 1, I(n)=17 2.
213 2		E(n)=518 1, I(n)=16 2.
248 4		E(n)=483 3, I(n)=6 2.
270 3		E(n)=462 2, I(n)=13 2.
291 2		E(n)=441 1, I(n)=14 2.
311 2		E(n)=421 1, I(n)=14 2.
327 2		E(n)=405 1, I(n)=25 2.
352 2		E(n)=379 1, I(n)=17 2.
375 2		E(n)=357 1, I(n)=20 2.
400 2		E(n)=333 1, I(n)=12 2.
426 2		E(n)=306 1, I(n)=15 2.
505 2		E(n)=228 1, I(n)=11 1.
521 2		E(n)=212 1, I(n)=8 1.
551 2		E(n)=182 1, I(n)=10 1.

[†] The uncertainties are assigned by the evaluators based on corresponding uncertainties on neutron energies and 2 keV uncertainty for $S_n(^{133}\text{Cs})$.