^{238}Pu(d,p) 1973Gr26

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 122, 293 (2014)	30-Jun-2013

E(d)=12.1, 13.1 MeV; measured scattered protons, σ(90°,125°,150°). Detector: magnetic spectrograph, FWHM=13 keV.
Additional information 1.

^{239}Pu Levels

E(level)‡	Jπ†	E(level)‡	Jπ†	E(level)‡	Jπ†	E(level)‡	Jπ†
0#	1/2+	488@	(3/2−)	885		1261d	(5/2+)
8#	3/2+	488a	(11/2−)	901		1261f	(3/2+)
75#	7/2+	507@	(5/2−)	990c	(3/2−)	1289f	(5/2+)
163#	9/2+	507b	(7/2+)	1017c	(1/2−)	1311d	(7/2+)
191#	11/2+	538		1038c	(7/2−)	1342f	(7/2+)
284&	5/2+	565b	9/2+	1100c	(5/2−)	1359d	(9/2+)
326&	(7/2+)	620a	(15/2−)	1137c	(11/2−)	1390	
386&	9/2+	634b	11/2+	1174		1409f	(9/2+)
464@	(1/2−)	658		1214d	(1/2+)	1437	
464&	(11/2+)	716		1233d	(3/2+)	1465	
		749		1233e	(9/2−)	1488	
		780					

† Based on angular distributions and cross-section fingerprints.
‡ FWHM= 13 keV (1973Gr26).
# Band(A): 1/2[631].
@ Band(B): 1/2[631]×0−.
& Band(C): 5/2[622].
a Band(D): 7/2[743] ?
b Band(E): 7/2[624].
c Band(F): 1/2[761].
d Band(G): 1/2[620].
e Band(H): 7/2[613] ?
f Band(I): 3/2[622] ?

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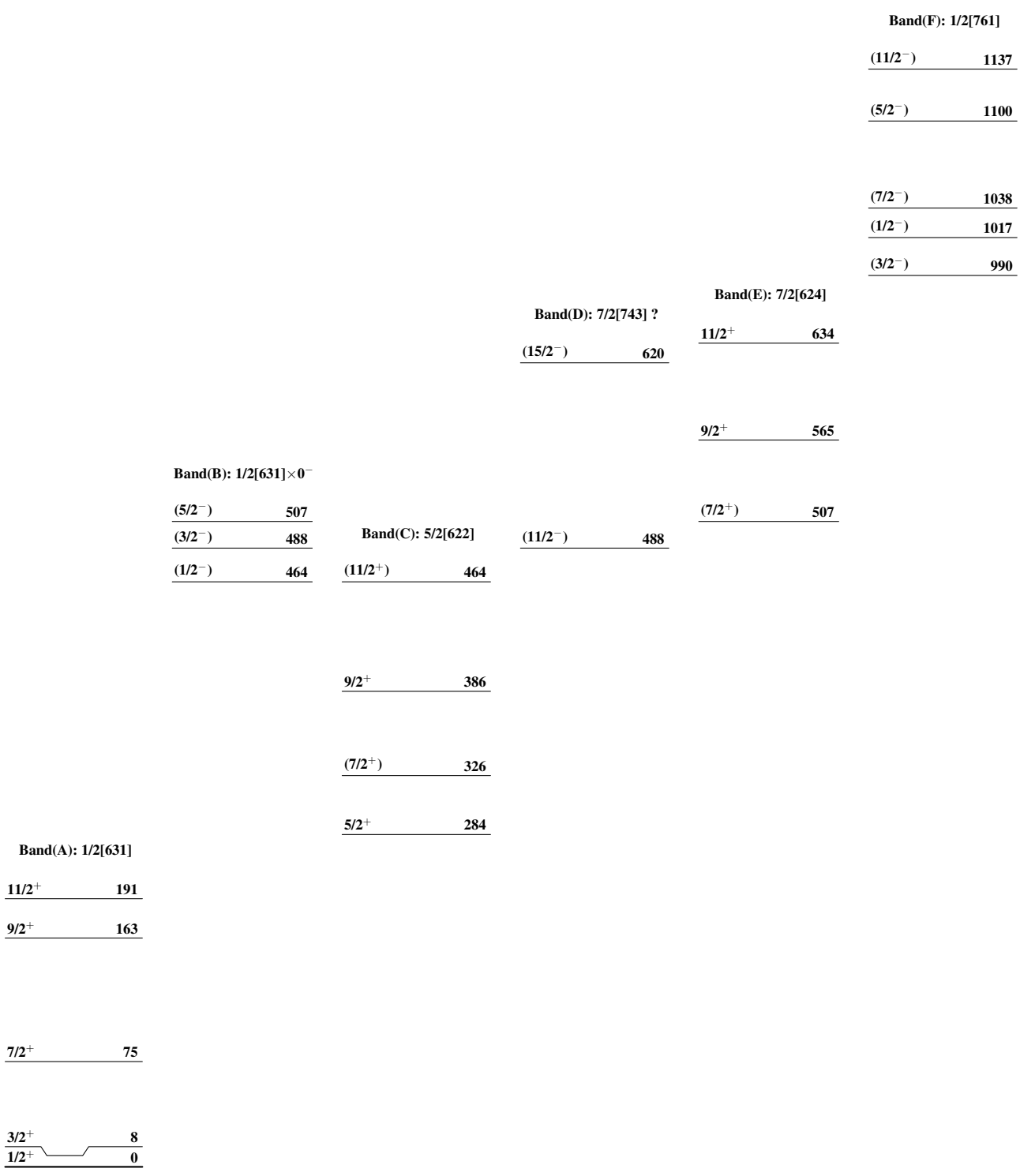

$^{239}_{94}Pu_{145}$

^{238}Pu(d,p) 1973Gr26 (continued)

Band(I): 3/2[622] ?

(9/2$^+$) 1409

Band(G): 1/2[620]

(9/2$^+$) 1359

(7/2$^+$) 1342

(7/2$^+$) 1311

(5/2$^+$) 1289

(5/2$^+$) 1261

(3/2$^+$) 1261

Band(H): 7/2[613] ?

(3/2$^+$) 1233

(9/2$^-$) 1233

(1/2$^+$) 1214

$^{239}_{94}Pu_{145}$