^{198}Pt(^{11}B,6nγ) 1994Da17

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 177, 509, 2021	4-Jul-2021

E(^{11}B)=74 MeV; Targets: isotopically enriched ^{198}Pt comprising of three stacked foils with a combined thickness of ≈750 mg/cm^2; Detectors: TESSA3 array with 16 escape-suppressed Ge(Li) detectors, surrounding a 50-element inner ball of bismuth germanate detectors. Measured: Eγ, $\gamma\gamma$ coin with a BGO threshold fold of 4.

^{203}Bi Levels

E(level)†	Comments
3529.7	
3529.7+x	E(level): From the observed coincidences between the in-band γ rays and 497.5γ, depopulating the 31/2$^-$ level at 3529.7 keV (1994Da17).
3704.7+x	
3950.7+x	
4288.7+x	
4730.7+x	
5247.7+x	
5824.7+x	

† From measured Eγ. The structure is interpreted as a ΔJ=1 band.

γ(^{203}Bi)

E$_\gamma$†	E$_i$(level)	E$_f$
175 *1*	3704.7+x	3529.7+x
246 *1*	3950.7+x	3704.7+x
338 *1*	4288.7+x	3950.7+x
442 *1*	4730.7+x	4288.7+x
517 *1*	5247.7+x	4730.7+x
577 *1*	5824.7+x	5247.7+x

† From 1994Da17. All γ-rays are in coincidence with 813.7, 301.3 and 497.5 keV γ-rays that are above the J^π=25/2$^+$ isomer. The γ-rays are interpreted as M1 by the authors, but no experimental evidences are presented.

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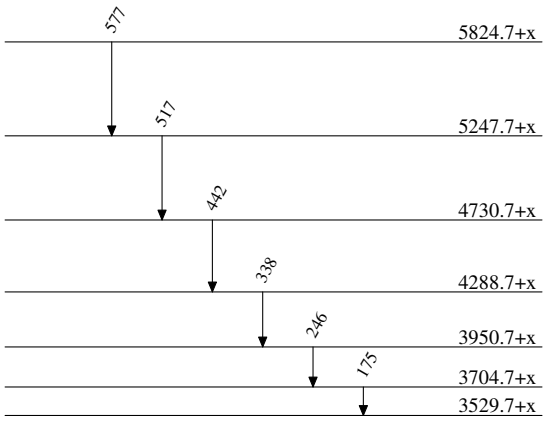
Level Scheme



$^{203}_{83}Bi_{120}$