^{192}Os(^{82}Se,Xγ) 2004Po06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, [1] and Jun Chen[2]	NDS 169,1 (2020)	15-Oct-2020

2004Po06: E=460 MeV ^{82}Se beam was produced at the Legnaro National Laboratory. γ rays were detected with the 4π GASP array of 40 Compton-suppressed Ge detectors and an inner BGO ball. Measured Eγ, γγ-coin. Deduced levels, J, π, band structures. See also 2006Mo40.

^{190}Os Levels

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
0#	0+	1667#	8+	4013&	16+
187#	2+	2358#	10+	4498@	18+
548#	4+	2758&	12+	4810@	19+
1051#	6+	3347&	14+	5248@	20+
				5834@	21+

† From Eγ data.
‡ As given in 2004Po06, based on band assignments and known assignments for low-lying states.
# Band(A): g.s. band.
@ Band(B): ΔJ=1 band, based on 18+.
& Band(C): t-band.

γ(^{190}Os)

Eγ	Ei(level)	J_i^π	E_f	J_f^π	Eγ	Ei(level)	J_i^π	E_f	J_f^π	Eγ	Ei(level)	J_i^π	E_f	J_f^π
187	187	2+	0	0+	438	5248	20+	4810	19+	589	3347	14+	2758	12+
312	4810	19+	4498	18+	485	4498	18+	4013	16+	616	1667	8+	1051	6+
361	548	4+	187	2+	503	1051	6+	548	4+	666	4013	16+	3347	14+
400	2758	12+	2358	10+	586	5834	21+	5248	20+	691	2358	10+	1667	8+

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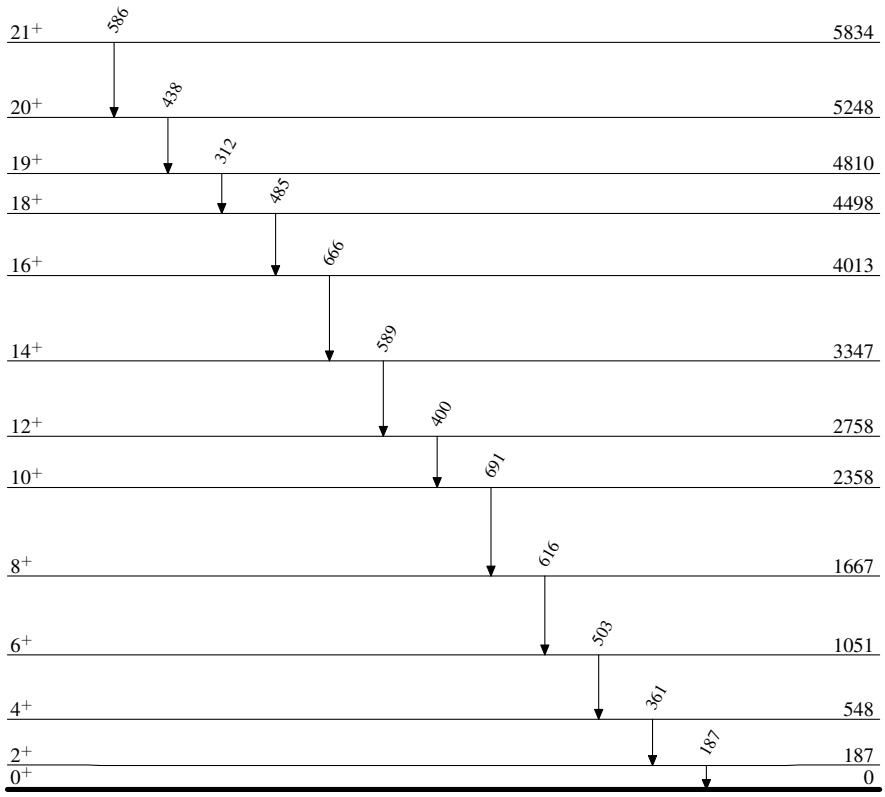
Level Scheme



$^{190}_{76}Os_{114}$

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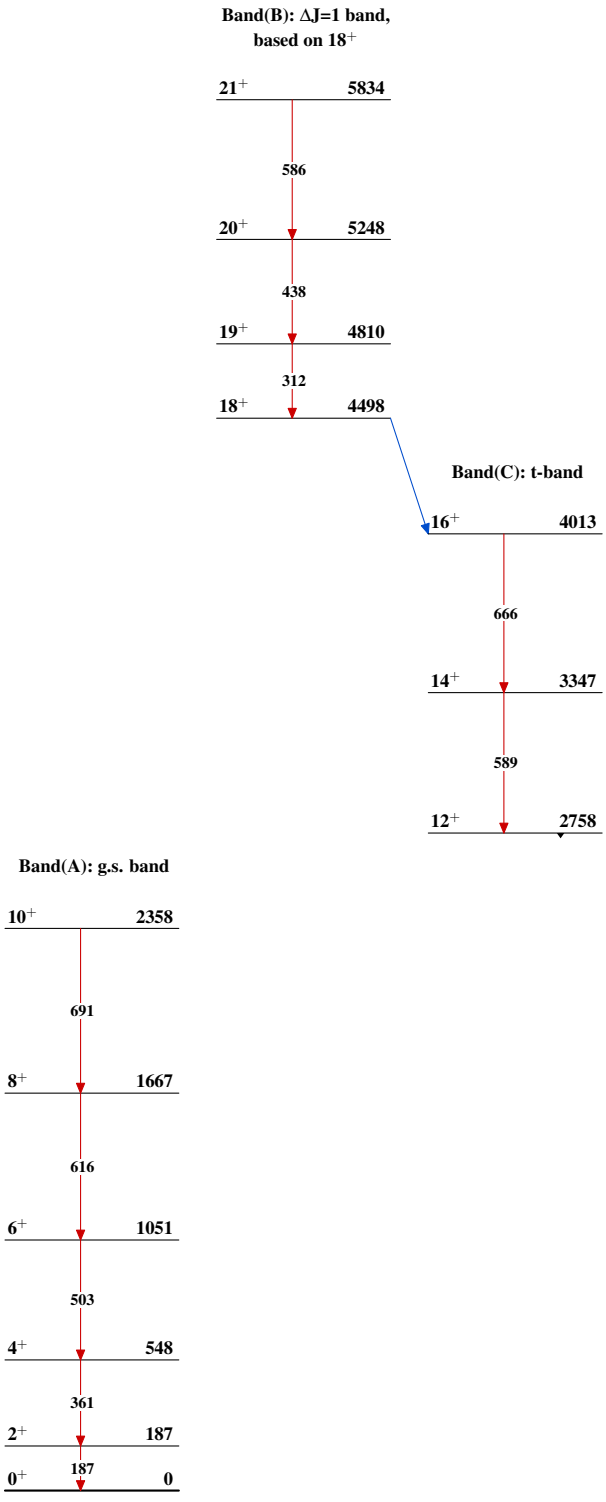

$^{190}_{76}Os_{114}$