

Adopted Levels, Gammas (continued) **$\gamma(^{172}\text{Hf})$ (continued)**

[‡] From ce data in ¹⁷²Ta ε decay.

[#] $I\gamma(30^\circ)/I\gamma(90^\circ)$ relative to that of 214γ (assumed E2) is consistent with $\Delta J=2$ transition.

[@] From (HI,xny). In ¹⁷²Ta ε decay, the 871.2 γ -ray peak was seen as a wide structure and was interpreted ([1973Ca10](#)) as mixed with an impurity. It is possible that the broadening was partly due to 875γ . It is assumed that the 1503 level is the same in the two studies (¹⁷²Ta ε decay and (HI,xny)).

[&] Total theoretical internal conversion coefficients, calculated using the BrIcc code ([2008Ki07](#)) with Frozen orbital approximation based on γ -ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

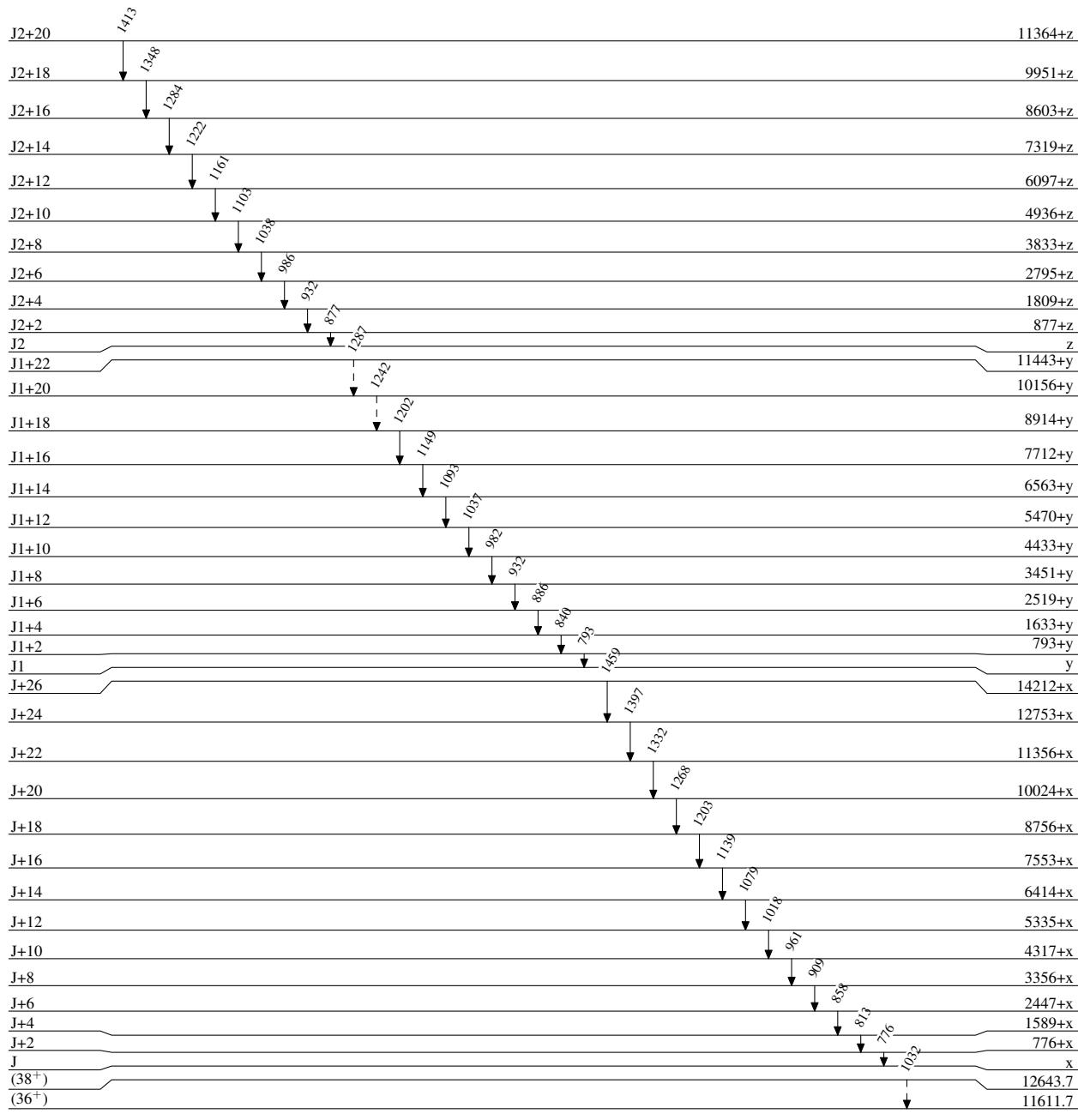
^a Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

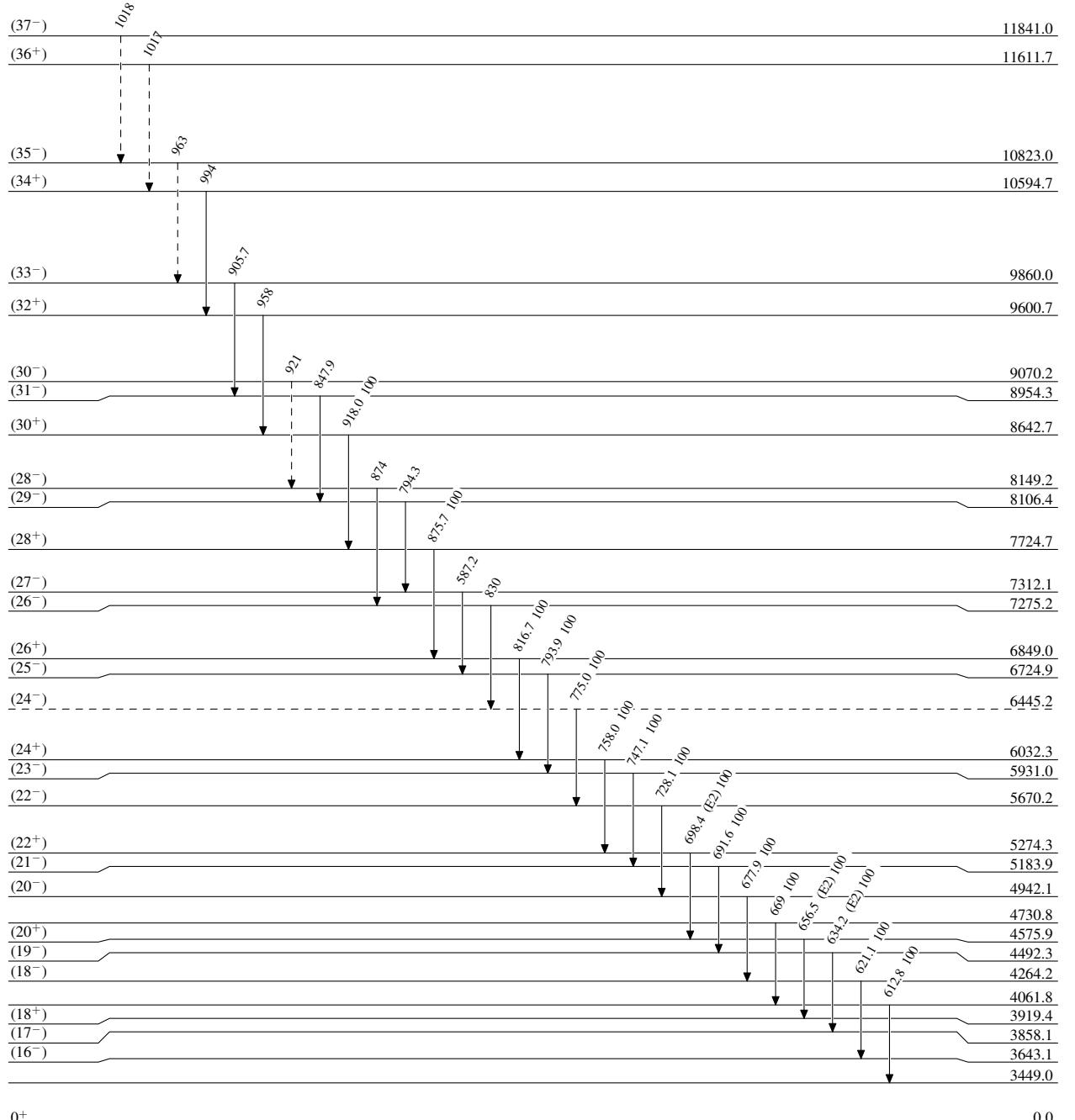
- - - - - ➤ γ Decay (Uncertain)

Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

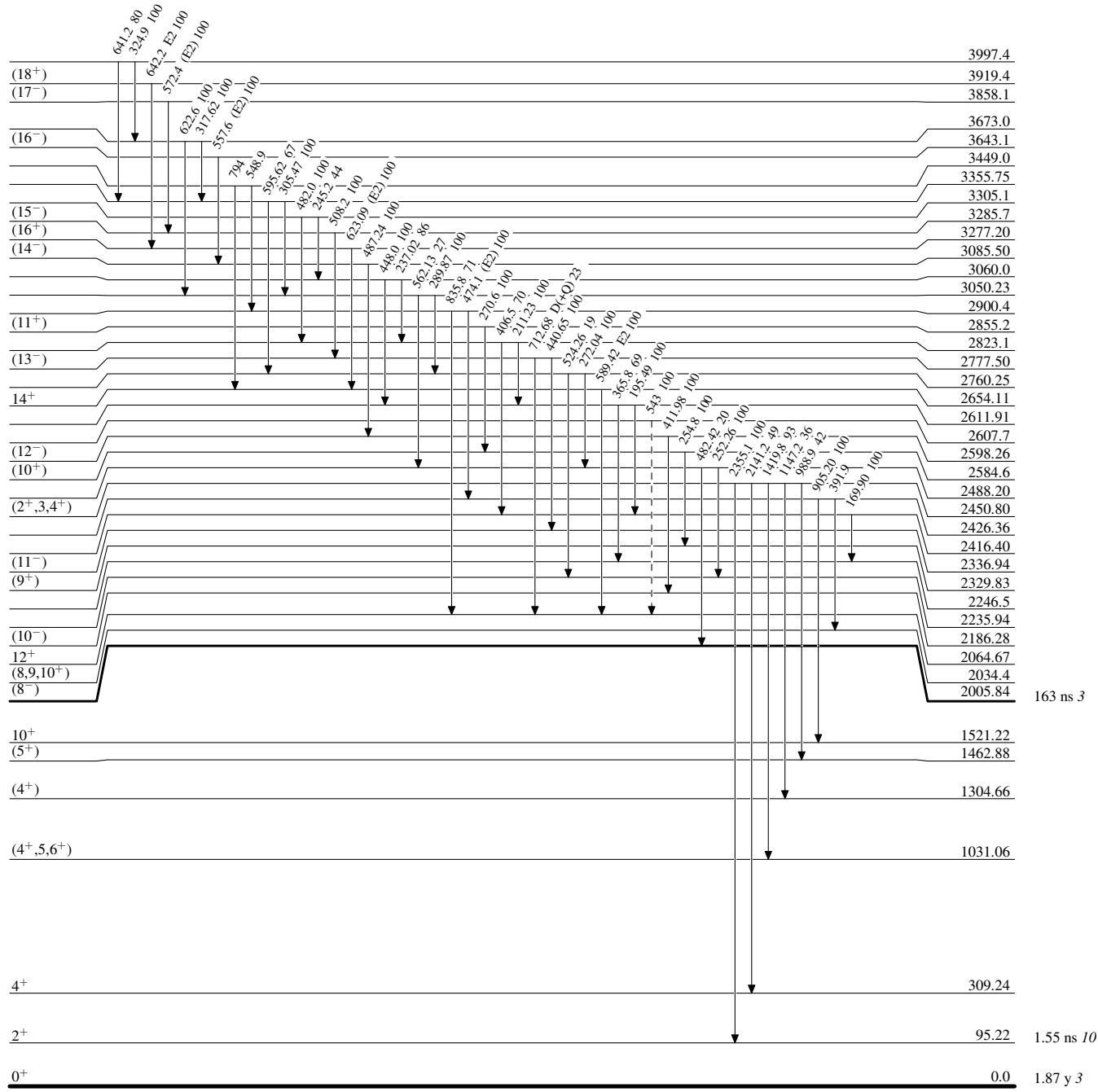
---> γ Decay (Uncertain) $^{172}_{\text{72}}\text{Hf}_{100}$

Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

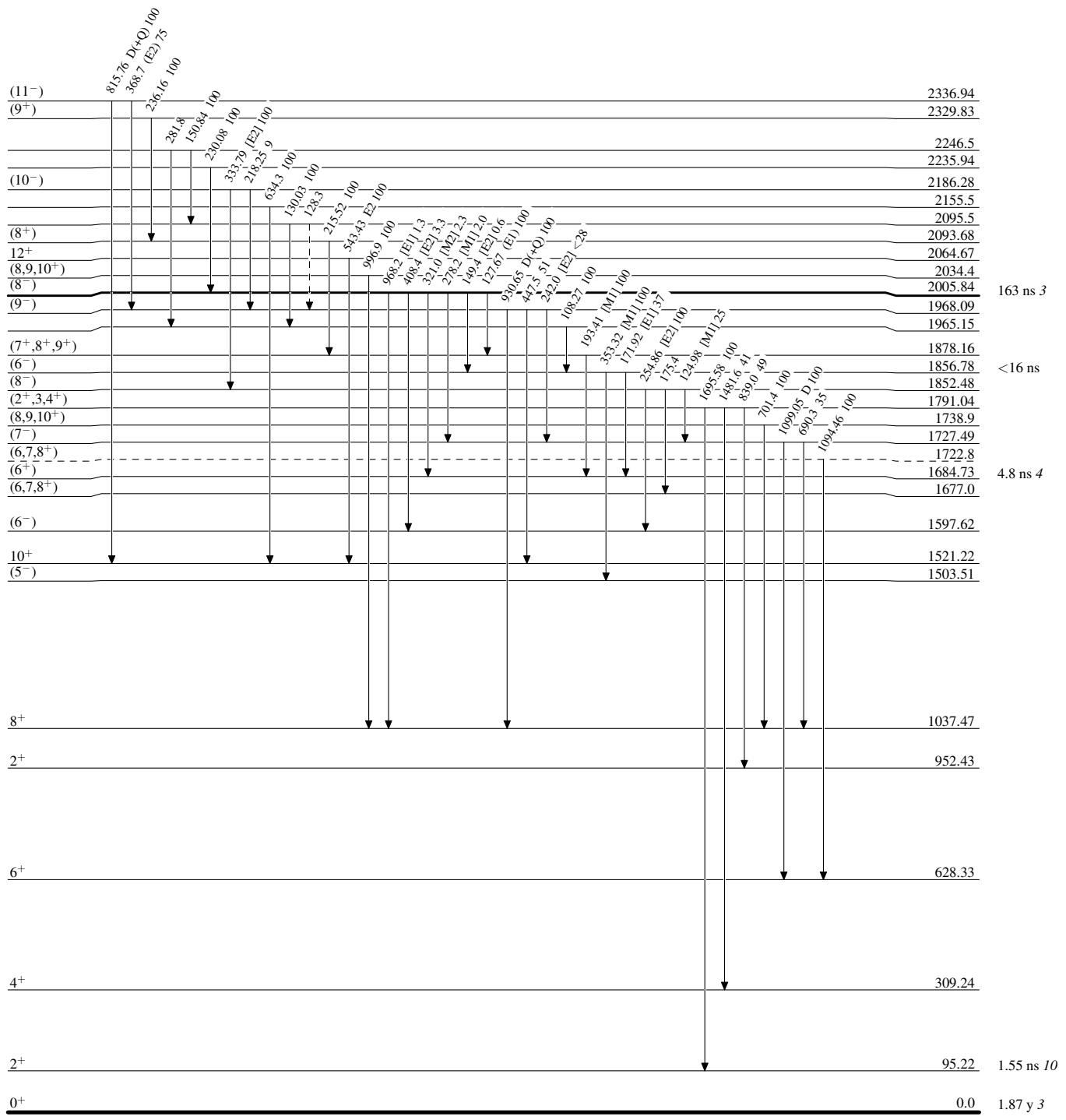
-----► γ Decay (Uncertain)

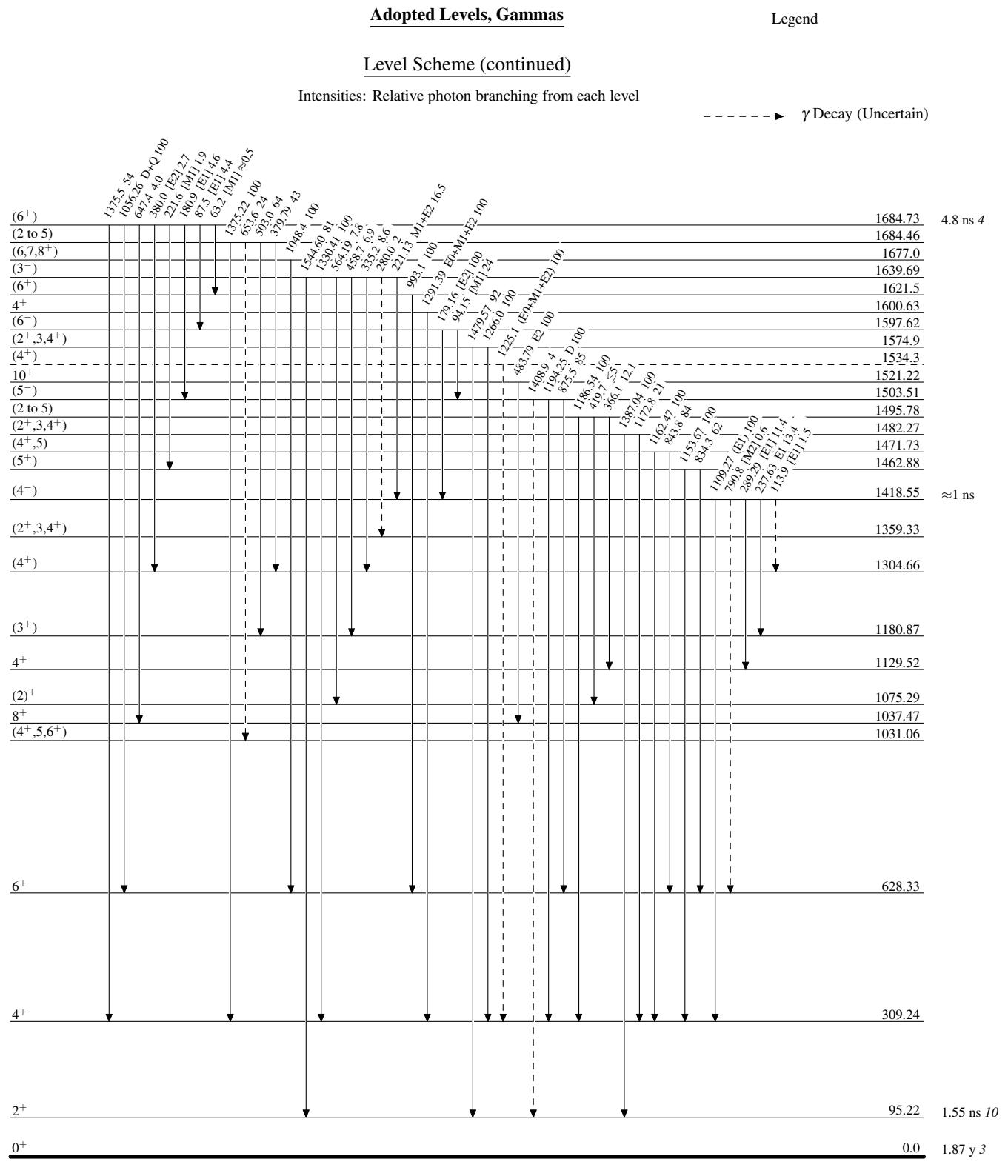
Adopted Levels, Gammas

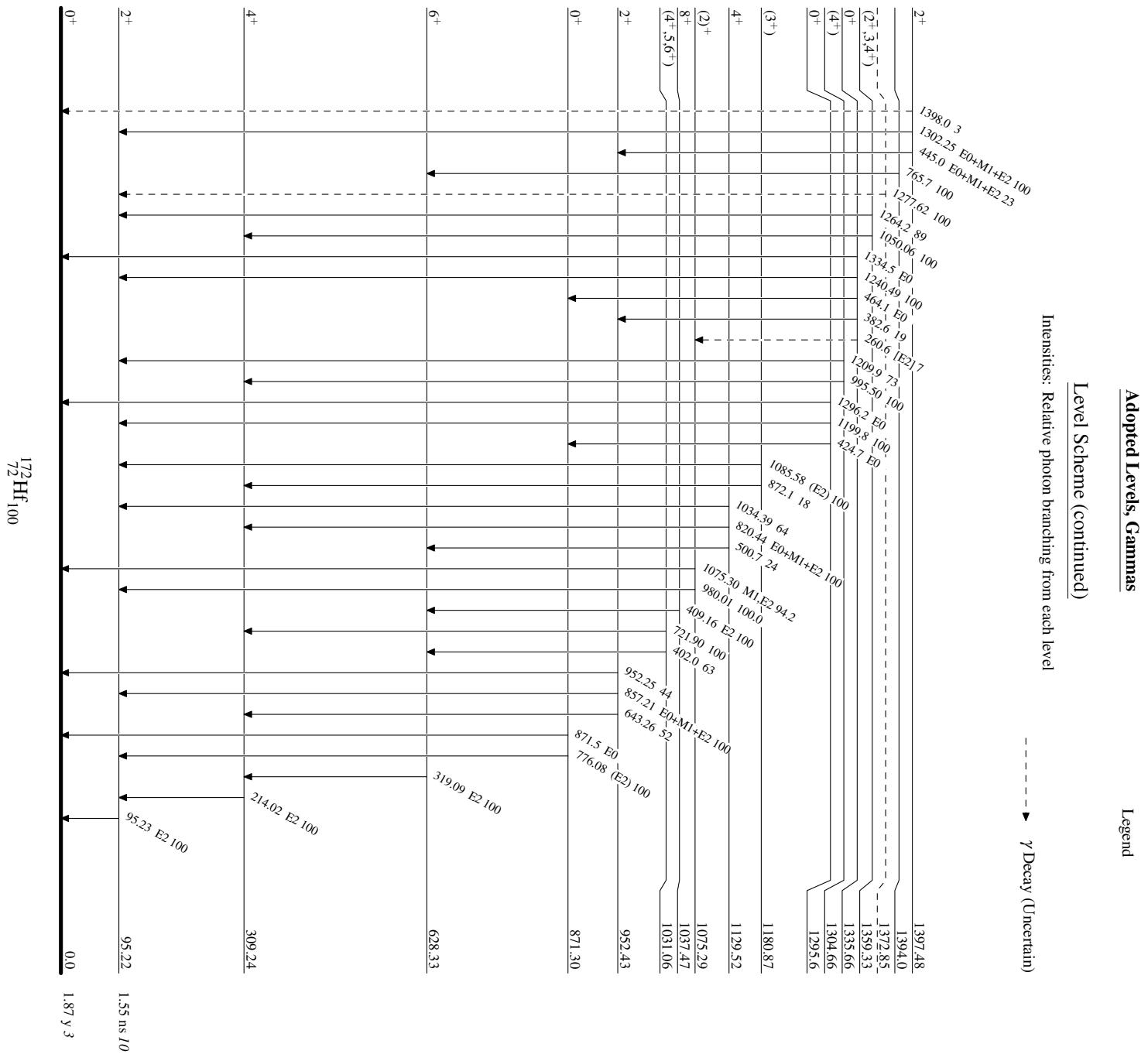
Legend

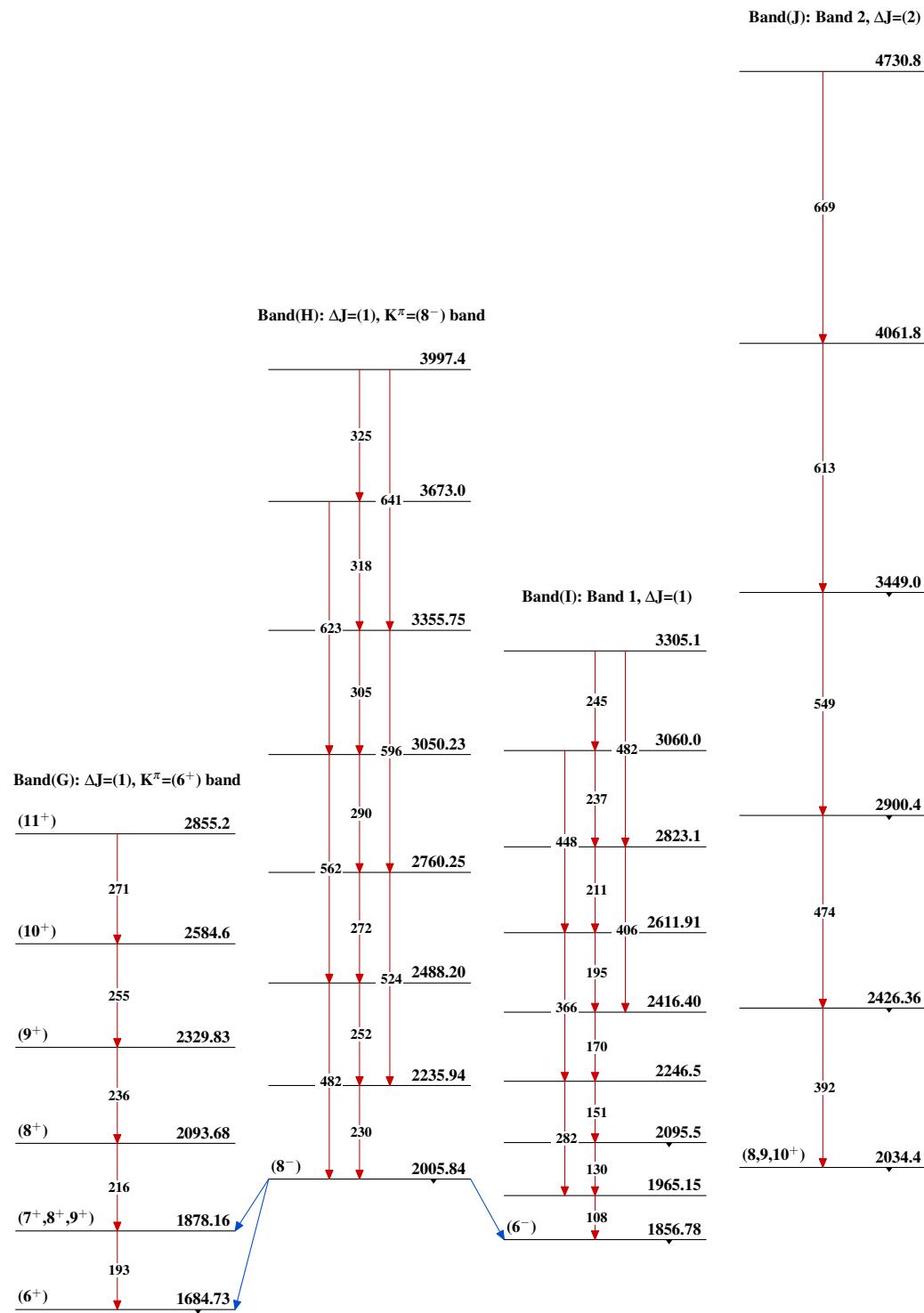
Level Scheme (continued)

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)





Adopted Levels, Gammas (continued)

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Band(M): SD-3 band		
J2+20	11364+z	
J2+18	1413	9951+z
J2+16	1348	8603+z
J2+14	1284	7319+z
J2+12	1222	6097+z
J2+10	1161	4936+z
J2+8	1103	3833+z
J2+6	1038	2795+z
J2+4	986	1809+z
J2+2	932	877+z
J2	877	z
Band(L): SD-2 band		
J1+22	11443+y	
J1+20	1287	10156+y
J1+18	1242	8914+y
J1+16	1202	7712+y
J1+14	1149	6563+y
J1+12	1093	5470+y
J1+10	1037	4433+y
J1+8	982	3451+y
J1+6	932	2519+y
J1+4	886	1633+y
J1+2	840	793+y
J1	793	y
Band(K): SD-1 band		
J+26	14212+x	
J+24	1459	12753+x
J+22	1397	11356+x
J+20	1332	10024+x
J+18	1268	8756+x
J+16	1203	7553+x
J+14	1139	6414+x
J+12	1079	5335+x
J+10	1018	4317+x
J+8	961	3356+x
J+6	909	2447+x
J+4	858	1589+x
J+2	813	776+x
J	776	x