^{170}Ir ε decay (811 ms)

	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. M. Baglin[1], E. A. Mccutchan[2], S. Basunia[1]	NDS 153, 1 (2018)	1-Oct-2018

Parent: ^{170}Ir: E=0.0+x; J$^{\pi}$=(8$^+$); T$_{1/2}$=811 ms 18; Q(ε)=10567 SY; %ε+%β^+ decay≤67.0

^{170}Ir-Q(ε): 10567 (syst) 89 (2017Wa10).

^{170}Ir-%ε+%β^+ decay: %α=38 5 from weighted average of 36 10 (1996Pa01) and 39 6 (2004GoZZ); ε decay and possibly IT decay probably account(s) for remainder of ^{170}Ir isomer decay (S(p)=−70 syst for ^{170}Ir(g.s.) (2017Wa10)).

ε decay of isomer has not been reported, but α decay accounts for only 38% 5 of ^{170}Ir (811 ms) decay; Q(g.s.) is low and the g.s.-isomer spin difference may be large (ΔJ=(5)), so significant ε decay is expected.