

Fig. 1. Schematic representation of the beta minus decay of Cs-137. Note that the beta emission lead to three levels in the new formed Ba-137 nucleus. On the right is the excited energy of the states above the ground state. Note that the level assigned energy of 0.6617 MeV shows no de-excitation as that level has a half-life of 2.552 m.

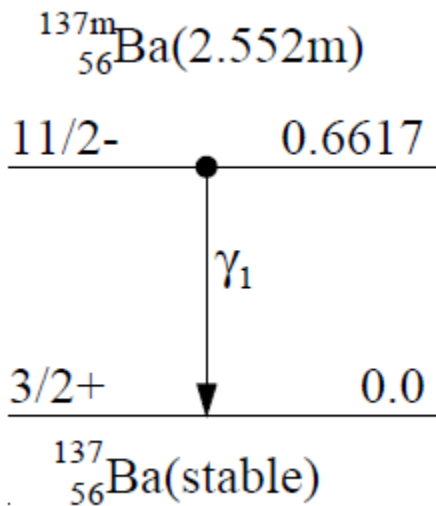


Fig.2. Schematic representation of the decay of Ba-137m. The excited state de-excites by emission of a gamma ray which is subject to internal conversion.