

**$^{137}\text{Ba}^m$  - Comments on evaluation of decay data  
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See the Comments on the decay of  $^{137}\text{Cs}$  for information on other parameters.

This decay scheme is internally consistent in that the total decay energy computed by the code RADLST is 661.3(20) keV compared to the level energy of 661.659(3) keV.

**Nuclear data**

The half-life of the isomeric state is, in minutes, from weighted average of 2.554(2) (65ME03), 2.5513(7) (66MA28), 2.5577(33) (67MI11), and 2.5545(7) (73LEZJ, where the reported uncertainty has been divided by 3 to get a 1 sigma value). For this average, the internal uncertainty is 0.0005, the reduced- $\chi^2$  is 4.25, the external uncertainty is 0.0010, and the Limitation of Relative Statistical Weight method increases the uncertainty to 0.0018 in order to include most precise values including that of 66MA28. Other: 2.557(5) MIN (66MI10, replaced by value of 67MI11).