

¹⁶²Sm β^- decay 2005Ic02			
Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 195,1 (2024)	19-Sep-2023

Parent: ¹⁶²Sm: E=0.0; J ^{π} =0⁺; T_{1/2}=3.15 s +26-30; Q(β^-)=4344 4; % β^- decay=100
¹⁶²Sm-Q(β^-): From [2021Wa16](#).
Additional information 1.
2005Ic02: nuclide produced via proton bombardment (E(p)=15.5 MeV) of a stack of ²³⁸U targets. Reaction products transported using a He-jet gas-flow system to an on-line isotope separator. Isotopic identification provided by observation of Eu K x-rays. Report T_{1/2} value and three γ 's but do place them in the ¹⁶²Eu level scheme.
Earlier studies (from the same group) are given in [2000IcZZ](#) and [2001AsZY](#).

¹⁶²Eu Levels		
E(level)	T _{1/2}	Comments
0.0	11.4 s 6	T _{1/2} : From the adopted values.

$\gamma(^{162}\text{Eu})$	
E _{γ}	E _i (level)
^x 36.0	
^x 736.6	
^x 741.1	
^x γ ray not placed in level scheme.	