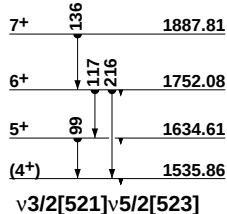
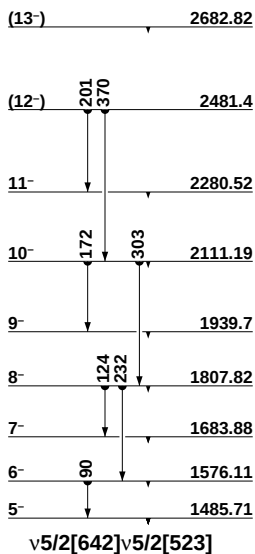
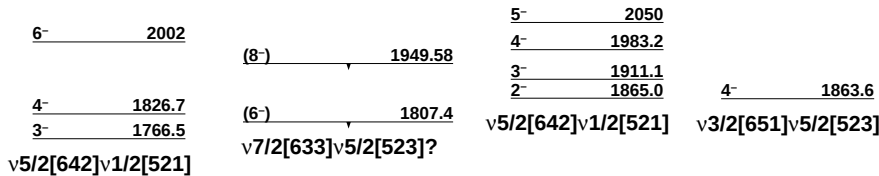
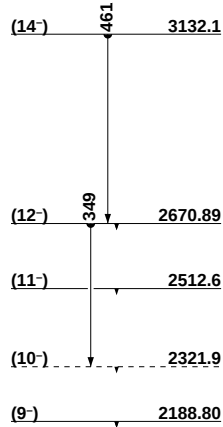


# <sup>162</sup><sub>66</sub>Dy (Continued)

920.99 3, 8<sup>+</sup>, 4.2 2 ps, [DEGHJL],  $\mu \approx 2.7$   $\gamma_{549}$  **372.40** 3 ( $\dagger_{\gamma}$  100)  
 962.97 3, 3<sup>+</sup>, [ACEGJL]  $\gamma_{888}$  **74.783** 15 ( $\dagger$  0.023)  $\gamma_{266}$  **697.35** 10 ( $\dagger$  19.2 6)  
 E2(+M1):  $\delta > 10.4$   $\gamma_{81}$  **882.32** 8 ( $\dagger_{\gamma}$  100 3) E2+M1:  $\delta = +3.7$  7  
 1061.02 3, 4<sup>+</sup>, [BCEFGJKL]  $\gamma_{963}$  **98.09** 3 ( $\dagger$  0.074 25)  $\gamma_{888}$  **172.832** 6  
 ( $\dagger_{\gamma}$  0.33 10)  $\gamma_{549}$  **512.32** 25 ( $\dagger_{\gamma}$  1.4)  $\gamma_{266}$  **795.54** 11 ( $\dagger_{\gamma}$  100 10) E2+M1:  $\delta = -5.5$  15  
 $\gamma_{81}$  **980.3** 3 ( $\dagger_{\gamma}$  55 8)  
 1148.26 3, 2<sup>-</sup>, 0.21 4 ns, [ACEGHJ]  $\gamma_{963}$  **185.289** 5 ( $\dagger$  18.0 11) E1  
 $\gamma_{888}$  **260.070** 6 ( $\dagger_{\gamma}$  100 1) E1  $\gamma_{81}$  **1067.55** 10 ( $\dagger_{\gamma}$  0.70 2)  
 1182.79 3, 5<sup>+</sup>, [CEGHJ]  $\gamma_{1061}$  **121.786** 12 ( $\dagger_{\gamma}$  0.17 3)  $\gamma_{963}$  **219.831** 10 ( $\dagger_{\gamma}$  1.9 4)  
 E2  $\gamma_{549}$  **634.21** 11 ( $\dagger_{\gamma}$  16 4) E2+M1:  $\delta = +3.9$  -15  $\gamma_{266}$  **917.13** 20 ( $\dagger_{\gamma}$  100 10)  
 E2(+M1):  $\delta > 14$



1210.12 3, 3<sup>-</sup>, [ACEFGHJKLN]  $\gamma_{1061}$  **149.101** 5 ( $\dagger_{\gamma}$  2.2 3)  $\gamma_{963}$  **247.158** 15  
 ( $\dagger$  9.6 10) E1  $\gamma_{888}$  **321.943** 16 ( $\dagger$  13.7 28) E1  $\gamma_{266}$  **944.5** 3 ( $\dagger_{\gamma}$  65 10)  
 E1+M2:  $\delta = -0.19$  15  $\gamma_{81}$  **1129.5** 4 ( $\dagger_{\gamma}$  100 15) E1  
 1276.1 4, 1<sup>-</sup>, [ABEGHJK]  $\gamma_{81}$  **1195.3** 5 ( $\dagger_{\gamma}$  100 4) E1  $\gamma_0$  **1276.3** 6 ( $\dagger$  52 14) E1  
 1297.04 3, 4<sup>-</sup>, [CEGJ]  $\gamma_{1210}$  **86.918** 6 ( $\dagger$  0.22)  $\gamma_{1183}$  **114.248** 3 ( $\dagger$  4.3 6)  
 $\gamma_{1148}$  **148.773** 9 ( $\dagger_{\gamma}$  2.0 4)  $\gamma_{1061}$  **236.021** 5 ( $\dagger_{\gamma}$  22 4)  $\gamma_{963}$  **334.061** 10 ( $\dagger_{\gamma}$  100 9)  
 E1  
 1324.43 6, 6<sup>+</sup>, [CEGJKL]  $\gamma_{1183}$  **141.73** ( $\dagger$  0.61)  $\gamma_{1061}$  **263.50** 10 ( $\dagger_{\gamma}$  7.1)  
 $\gamma_{549}$  **776.00** 10 ( $\dagger_{\gamma}$  100) E2(+M1):  $\delta > 2.3$   $\gamma_{266}$  **1058.8** 3 ( $\dagger_{\gamma}$  26)  
 1357.77 22, 3<sup>-</sup>, [AEFGHJKLM]  $\gamma_{266}$  **1092.3** 3 ( $\dagger_{\gamma}$  46 4) E1  $\gamma_{81}$  **1276.9** 3  
 ( $\dagger_{\gamma}$  100 30)  
 1374.91 9, 10<sup>+</sup>, 1.57 10 ps, [DEL]  $\gamma_{921}$  **453.85** 9 ( $\dagger_{\gamma}$  100)  
 1390.69 25, 5<sup>-</sup>, [CEGJKLMN]  $\gamma_{1061}$  **329.4** 4 ( $\dagger_{\gamma}$  4.7 10)  $\gamma_{549}$  **842.5** 4 ( $\dagger_{\gamma}$  38 5)  
 $\gamma_{266}$  **1124.9** 5 ( $\dagger_{\gamma}$  100 5) E1  
 1400.14 22, 0<sup>+</sup>, [BFJN]  $\gamma_{81}$  **1319.3** 3 ( $\dagger_{\gamma}$  100)  $\gamma_0$  **1400.3** 3 ( $\dagger_e$  0.052 4) E0  
 1408.33 6, 5<sup>-</sup>, [CGJ]  $\gamma_{1183}$  **225.56** 5 ( $\dagger_{\gamma}$  3.3 10)  $\gamma_{1061}$  **347.25** 10 ( $\dagger_{\gamma}$  100 30)  
 $\gamma_{266}$  **1142.4** 10 ( $\dagger_{\gamma}$  <200)  
 1453.44 15, 2<sup>+</sup>, [ABEGHJLM]  $\gamma_{1061}$  **392.4** 4 ( $\dagger_{\gamma}$  54 6) E2  $\gamma_{266}$  **1187.7** 3 ( $\dagger_{\gamma}$  67 3)  
 $\gamma_{81}$  **1372.8** 2 ( $\dagger_{\gamma}$  100 4) M1, E2  $\gamma_0$  **1453.5** 4 ( $\dagger$  3.6 3)  
 1485.71 3, 5<sup>-</sup>, 1.92 11 ns, [CEGJM]  $\gamma_{1324}$  **161.2** 3 ( $\dagger_{\gamma}$  0.41 14)  $\gamma_{1297}$  **188.72** 3  
 ( $\dagger_{\gamma}$  1.0 5) M1  $\gamma_{1210}$  **275.595** 15 ( $\dagger_{\gamma}$  3.6 8) E2  $\gamma_{1183}$  **302.880** 20 ( $\dagger_{\gamma}$  1.68 18) E1  
 $\gamma_{549}$  **937.2** 2 ( $\dagger_{\gamma}$  47.8 15) (E1)  $\gamma_{266}$  **1220.0** 2 ( $\dagger_{\gamma}$  100 5) E1  
 1490.27 6, 7<sup>+</sup>, [EGHM]  $\gamma_{1183}$  **307.6** 1 ( $\dagger_{\gamma}$  18)  $\gamma_{921}$  **569.1** 1 ( $\dagger_{\gamma}$  37)  $\gamma_{549}$  **941.9** 1  
 ( $\dagger_{\gamma}$  100) M1+E2:  $\delta > 1.2$   
 1518.80 4, 5<sup>-</sup>, [EGHJ]  $\gamma_{1358}$  **160.350** 7(?) ( $\dagger_{\gamma}$  0.20 8)  $\gamma_{1297}$  **221.762** 25 ( $\dagger_{\gamma}$  1.0)  
 $\gamma_{549}$  **970.1** 8 ( $\dagger_{\gamma}$  40 8) (E1)  $\gamma_{266}$  **1253.4** 3 ( $\dagger_{\gamma}$  100 20) E1  
 1530.17 3, 6<sup>-</sup>, [EGH]  $\gamma_{1297}$  **233.136** 10 ( $\dagger_{\gamma}$  33 7)  $\gamma_{1183}$  **347.25** 10 ( $\dagger_{\gamma}$  100 30)  
 1535.86 5, (4<sup>+</sup>), [EFGHJKM]  $\gamma_{1183}$  **352.98** 17 ( $\dagger_{\gamma}$  0.7)  $\gamma_{1061}$  **474.88** 10 ( $\dagger_{\gamma}$  10 3)  
 $\gamma_{963}$  **572.88** 7 ( $\dagger_{\gamma}$  53 10) M1(+E2):  $\delta < 2.0$   $\gamma_{888}$  **647.66** 13 ( $\dagger_{\gamma}$  100 20) E2  
 1571.2 3, 3<sup>-</sup>, [FGHKM]

6<sup>+</sup> ~2100  
 5<sup>+</sup> ~1999  
 4<sup>+</sup> 1906  
 3<sup>+</sup> 1840.3  
 2<sup>+</sup> 1782.75  
 1<sup>+</sup> 1745.48  
 v3/2[521]v5/2[523]

4<sup>-</sup> 1852.0  
 3<sup>-</sup> 1739.1  
 2<sup>-</sup> 1691.56  
 1<sup>-</sup> 1637.1  
 4<sup>+</sup> 1887.0  
 2<sup>+</sup> 1728.6

Octupole band

4<sup>-</sup> 1669.1  
 3<sup>-</sup> 1571.2  
 Octupole band