^{195}Au $Z = 79$ $N = 116$ adopted link ENSDF link

```
Based on ENSDF from Apr 2024, and mass evaluation from 2020

BE     =   1544.669 ( 0.001) MeV
Qbeta+ =      0.227 ( 0.001) MeV

           Energy T    J+                J-               J-other                T1/2

-------------------------------------------------------------------------------------------
S-alpha=  -1.717 ( 0.002)-------------------------------------------------------------------
195AU   1 |  0.000     3/2+ |                 |                                1  186.01 D  6
195AU   2 |  0.061     1/2+ |                 |                                2  3.0 NS    2
195AU   3 |  0.242     3/2+ |                 |                                3  30 PS     LT
195AU   4 |  0.262     5/2+ |                 |                                4  54 PS     10
195AU   5 |                 |   0.319     11/2-                              5  30.5 S    2
195AU   6 |                 |                 |   0.440     3/2+,5/2+          6
195AU   7 |                 |   0.526     7/2-|                              7
195AU   8 |  0.549     (7/2)|                 |                              8
195AU   9 |                 |   0.706     15/2-                              9
195AU  10 |                 |                 |   0.778                       10
-----------                                                                  -----------------
195AU  11 |  0.819     (9/2+|                 |                              11
195AU  12 |  0.841     1/2+ |                 |                              12
195AU  13 |  0.841     3/2+ |                 |                              13
195AU  14 |                 |   0.879     13/2-                              14
195AU  15 |                 |   0.894     9/2-|                              15
195AU  16 |                 |                 |   0.947                       16
195AU  17 |  0.955     (9/2+|                 |                              17
195AU  18 |                 |   1.068     9/2-|                              18
195AU  19 |  1.083     3/2+ |                 |                              19
195AU  20 |                 |                 |   1.106     3/2+,5/2+         20
-----------                                                                  -----------------
195AU  21 |                 |   1.111     3/2-|                              21
195AU  22 |  1.172     3/2+ |                 |                              22
195AU  23 |                 |                 |   1.251     (3/2+),(5/2)+     23
195AU  24 |                 |   1.281     11/2-                              24
195AU  25 |                 |                 |   1.325     1/2,3/2,5/2+      25
195AU  26 |  1.335     1/2+ |                 |                              26
195AU  27 |                 |   1.346     11/2-                              27
195AU  28 |  1.354     3/2+ |                 |                              28
195AU  29 |                 |   1.366     (17/2-)                            29
195AU  30 |                 |                 |   1.394     3/2+,5/2+         30
-----------                                                                  -----------------
195AU  31 |  1.397     (11/2|)                |                              31
195AU  32 |                 |                 |   1.405     13/2-,15/2-       32
195AU  33 |                 |                 |   1.406     9/2-,11/2,13/2-   33
195AU  34 |                 |   1.425     19/2-                              34
195AU  35 |                 |                 |   1.433     1/2,3/2,5/2+      35
195AU  36 |                 |                 |   1.443     1/2,3/2           36
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195AU  37 |                |                |   1.487     9/2-,11/2-       37
195AU  38 |  1.490     (13/2|)               |                              38
195AU  39 |  1.503     1/2+ |                |                              39
195AU  40 |                |   1.560     13/2-                              40
-----------                                                                 -----------------
195AU  41 |                |                |   1.585     5/2-,7/2-        41
195AU  42 |                |                |   1.606     11/2-,13/2-,15/2 42-
195AU  43 |                |                |   1.781     5/2-,7/2-        43
195AU  44 |  1.813     21/2+|                |                              44   8.04 NS  28
195AU  45 |  1.979     25/2+|                |                              45  3.5 NS    8
195AU  46 |                |                |   1.983     9/2-,11/2-       46
195AU  47 |  2.022     (25/2|)               |                              47
195AU  48 |  2.126     (27/2|)               |                              48
195AU  49 |  2.240     (29/2|)               |                              49
195AU  50 |                |   2.244     (23/2-)                            50
-----------                                                                 -----------------
195AU  51 |                |                |   2.295                      51
195AU  52 |                |                |   2.348                      52
195AU  53 |                |                |   2.350     11/2+,13/2+      53
195AU  54 |  2.418     (29/2|)               |                              54   69 NS    AP
195AU  55 |  2.461     29/2+|                |                              55


S-p    =   5.096 ( 0.001)-----------------------------------------------------------------
S-n    =   8.426 ( 0.002)-----------------------------------------------------------------
S-2p   =  12.609 ( 0.002)-----------------------------------------------------------------
S-2n   =  15.305 ( 0.009)-----------------------------------------------------------------
S-alpha=  -1.717 ( 0.002)-----------------------------------------------------------------

S+p       =  -6.548 ( 0.003)
S+n       =  -6.643 ( 0.003)
S+2p      = -10.365 ( 0.014)
S+2n      = -14.715 ( 0.001)
S+alpha   =   2.083 ( 0.028)

gap p     =  -1.452 ( 0.003)
gap n     =   1.783 ( 0.004)
gap 2p    =   2.244 ( 0.014)
gap 2n    =   0.589 ( 0.009)
gap alpha =   0.366 ( 0.028)
```