

$^{129}\text{Xe}(n,\gamma)$ E=9.47 eV 1974Ge05

| Type | Author | History Citation | Literature Cutoff Date |
|-----------------|--------------|-------------------|------------------------|
| Full Evaluation | Balraj Singh | NDS 93, 33 (2001) | 11-May-2001 |

1974Ge05: E=9.47 eV. Measured E_γ , I_γ , $\gamma\gamma$.

Others:

1996Sk01: E=epithermal (3.2 eV). Measured tof spectra.

1988Ma16: $^{129}\text{Xe}(\text{pol } n,\gamma)$ E \approx resonance. Measured asymmetry parameter.

1987Ma36: $^{129}\text{Xe}(\text{pol } n,\gamma)$ E=9.4 eV. Measured γ asymmetry parameter.

 ^{130}Xe Levels

| E(level) [†] | J π [‡] | E(level) [†] | J π [‡] | E(level) [†] | J π [‡] |
|-----------------------|-----------------------------------|-----------------------|----------------------|-------------------------------|----------------------|
| 0.0 | 0 ⁺ | 2296.1 7 | 1,2 | 3189.5 6 | |
| 536.21 24 | 2 ⁺ | 2308.7 5 | 1,2 | 3242.8? 6 | |
| 1122.4 3 | 2 ⁺ | 2385.6 4 | | 3299.3 4 | |
| 1204.4 4 | 4 ⁺ | 2502.0 5 | 1,2 | 3325.7 5 | |
| 1632.0 5 | 3 ⁺ | 2544.5 8 | | 3405.9 5 | |
| 1792.1 5 | 0 ⁺ | 2627.5 7 | | 3534.8 6 | |
| 1808.1 4 | (4 ⁺) | 2632.7? 5 | | 3622.5 7 | |
| 2017.5 4 | 0 ⁺ | 2636.6 9 | | 3687.2 6 | |
| 2058.7? 9 | (5) ⁻ | 2762.8 4 | 1,2 | 3779.8? 5 | |
| 2081.4? 8 | (4 ⁺) | 2885.5 4 | 1,2 | 3892.8? 6 | |
| 2149.8 6 | (2 ⁺) | 2954.3 6 | | 3959.4? 8 | |
| 2171.3 5 | (4 ⁺ ,5 ⁺) | 2978.0 4 | 1,2 | 3976.8 7 | 1,2 |
| 2223.2 7 | | 3071.3 5 | | 3987.5 6 | |
| 2241.1 5 | | 3150.8 5 | | (S(n)+0.00947 [#] 4) | 1 ⁺ @ |

[†] From least-squares fit to E_γ 's.

[‡] From Adopted Levels.

[#] S(n)=9255.8 9 (1995Au04).

@ s-wave capture in ^{129}Xe (g.s. J π =1/2⁺) and γ to 0⁺.

 $\gamma(^{130}\text{Xe})$

| E_γ [†] | I_γ [‡] | $E_i(\text{level})$ | J π_i | E_f | J π_f |
|-------------------------|--------------------------|---------------------|-----------------------------------|---------|----------------|
| 136.5 ^e 11 | 1.4 5 | 3325.7 | | 3189.5 | |
| 161.5 ^e 11 | 0.28 6 | 2385.6 | | 2223.2 | |
| ^x 178.7 10 | 0.19 6 | | | | |
| 191.8 7 | 2.0 3 | 2954.3 | | 2762.8 | 1,2 |
| 209.6 8 | 0.20 5 | 3534.8 | | 3325.7 | |
| 246.0 6 | 0.8 2 | 2632.7? | | 2385.6 | |
| 252.1 8 | 0.29 7 | 2885.5 | 1,2 | 2632.7? | |
| ^x 261.9 6 | 0.08 2 | | | | |
| ^x 397.4 5 | 0.30 7 | | | | |
| 500.1 5 | 0.14 5 | 2885.5 | 1,2 | 2385.6 | |
| ^x 522.8 2 | 1.0 ^b 2 | | | | |
| 536.1 3 | 100 | 536.21 | 2 ⁺ | 0.0 | 0 ⁺ |
| (539.3) | 0.68 ^{&} 13 | 2171.3 | (4 ⁺ ,5 ⁺) | 1632.0 | 3 ⁺ |
| ^x 573.8 5 | 0.41 6 | | | | |
| 586.2 2 | 24 3 | 1122.4 | 2 ⁺ | 536.21 | 2 ⁺ |
| 603.7 3 | 0.57 8 | 1808.1 | (4 ⁺) | 1204.4 | 4 ⁺ |
| ^x 622.8 5 | 0.46 10 | | | | |

Continued on next page (footnotes at end of table)

$^{129}\text{Xe}(n,\gamma) E=9.47 \text{ eV}$ **1974Ge05 (continued)** $\gamma(^{130}\text{Xe})$ (continued)

| E_γ^\dagger | I_γ^\ddagger | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|-----------------------------------|---------------------------|---------------------|-----------------------------------|---------|-----------------------------------|
| 668.3 4 | 8.9 15 | 1204.4 | 4 ⁺ | 536.21 | 2 ⁺ |
| 685.8 ^d 4 | 0.66 ^{d&a} 8 | 1808.1 | (4 ⁺) | 1122.4 | 2 ⁺ |
| 685.8 ^{de} 4 | ^{d&a} | 3071.3 | | 2385.6 | |
| 698.1 ^c 8 | 0.20 ^c 8 | 3242.8? | | 2544.5 | |
| 698.1 ^c 8 | 0.20 ^c 8 | 3325.7 | | 2627.5 | |
| 736.8 ^c 11 | 0.08 ^c 6 | 2978.0 | 1,2 | 2241.1 | |
| 736.8 ^c 11 | 0.08 ^c 6 | 3622.5 | | 2885.5 | 1,2 |
| ^x 749.8 [@] 6 | 1.1 1 | | | | |
| 762.7 7 | 0.43 9 | 3071.3 | | 2308.7 | 1,2 |
| 765.7 7 | 0.10 6 | 3150.8 | | 2385.6 | |
| ^x 792.4 8 | 0.17 7 | | | | |
| 806.8 8 | 0.13 6 | 2978.0 | 1,2 | 2171.3 | (4 ⁺ ,5 ⁺) |
| 825.7 ^c 8 | 0.11 ^c 6 | 2632.7? | | 1808.1 | (4 ⁺) |
| 825.7 ^c 8 | 0.11 ^c 6 | 3779.8? | | 2954.3 | |
| 825.7 ^c 8 | 0.11 ^c 6 | 3976.8 | 1,2 | 3150.8 | |
| ^x 833.3 8 | 0.07 5 | | | | |
| 836.8 8 | 0.16 5 | 3987.5 | | 3150.8 | |
| 854.3 ^c 8 | 1.1 ^c 2 | 2058.7? | (5) ⁻ | 1204.4 | 4 ⁺ |
| 854.3 ^c 8 | 1.1 ^c 2 | 3150.8 | | 2296.1 | 1,2 |
| ^x 862.3 8 | 0.27 6 | | | | |
| 877.0 7 | 0.96 10 | 2081.4? | (4 ⁺) | 1204.4 | 4 ⁺ |
| 893.7 ^c 11 | 0.89 ^c 13 | 2017.5 | 0 ⁺ | 1122.4 | 2 ⁺ |
| 893.7 ^c 11 | 0.89 ^c 13 | 3779.8? | | 2885.5 | 1,2 |
| 909.9 9 | 0.60 12 | 3150.8 | | 2241.1 | |
| 914.9 ^c 13 | 0.11 ^c 6 | 3892.8? | | 2978.0 | 1,2 |
| 914.9 ^c 13 | 0.11 ^c 6 | 3987.5 | | 3071.3 | |
| 936.2 11 | 0.15 3 | 2954.3 | | 2017.5 | 0 ⁺ |
| ^x 942.8 13 | 0.15 7 | | | | |
| 959.3 10 | 0.26 10 | 2978.0 | 1,2 | 2017.5 | 0 ⁺ |
| 966.6 12 | 0.43 8 | 2171.3 | (4 ⁺ ,5 ⁺) | 1204.4 | 4 ⁺ |
| 981.1 9 | 0.12 7 | 3959.4? | | 2978.0 | 1,2 |
| 986.7 10 | 0.10 4 | 3622.5 | | 2636.6 | |
| 1020.8 9 | 0.38 9 | 3405.9 | | 2385.6 | |
| 1028.1 12 | 0.25 10 | 2149.8 | (2 ⁺) | 1122.4 | 2 ⁺ |
| ^x 1048.7 15 | 0.37 10 | | | | |
| 1053.6 ^c 13 | 0.16 ^c 3 | 3071.3 | | 2017.5 | 0 ⁺ |
| 1053.6 ^c 13 | 0.16 ^c 3 | 3687.2 | | 2632.7? | |
| 1060.1 7 | 0.59 14 | 3687.2 | | 2627.5 | |
| ^x 1072.4 6 | 1.8 2 | | | | |
| ^x 1080.1 13 | 0.15 6 | | | | |
| 1095.7 6 | 4.7 ^b 2 | 1632.0 | 3 ⁺ | 536.21 | 2 ⁺ |
| ^x 1106.5 12 | 0.21 9 | | | | |
| 1121.5 8 | 4.2 3 | 1122.4 | 2 ⁺ | 0.0 | 0 ⁺ |
| 1126.1 12 | 0.14 10 | 3299.3 | | 2171.3 | (4 ⁺ ,5 ⁺) |
| 1154.8 6 | 0.47 10 | 3325.7 | | 2171.3 | (4 ⁺ ,5 ⁺) |
| 1175.8 6 | 0.16 6 | 3325.7 | | 2149.8 | (2 ⁺) |
| 1181.3 9 | 0.06 5 | 2385.6 | | 1204.4 | 4 ⁺ |
| ^x 1219.9 6 | 0.22 7 | | | | |
| ^x 1249.4 8 | 0.10 6 | | | | |
| 1256.0 5 | 1.8 2 | 1792.1 | 0 ⁺ | 536.21 | 2 ⁺ |
| 1262.7 ^d 8 | 0.8 ^{d&a} 2 | 2385.6 | | 1122.4 | 2 ⁺ |
| 1262.7 ^d 8 | ≈0.2 ^d | 3071.3 | | 1808.1 | (4 ⁺) |
| 1271.7 5 | 0.52 11 | 1808.1 | (4 ⁺) | 536.21 | 2 ⁺ |

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$^{129}\text{Xe}(n,\gamma) E=9.47 \text{ eV}$ **1974Ge05 (continued)** $\gamma(^{130}\text{Xe})$ (continued)

| E_γ † | I_γ ‡ | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|------------------------------------|-------------------------|---------------------|-------------------|---------|-----------------------------------|
| ^x 1293.0 3 | | | | | |
| 1311.4 7 | 0.32 10 | 3534.8 | | 2223.2 | |
| 1355.3 10 | 0.22 10 | 3987.5 | | 2632.7? | |
| 1379.5 4 | 0.37 9 | 2502.0 | 1,2 | 1122.4 | 2 ⁺ |
| 1388.8 10 | 0.16 7 | 3405.9 | | 2017.5 | 0 ⁺ |
| ^x 1421.5 11 | 0.22 10 | | | | |
| 1450.8 ^c 11 | 0.32 ^c 11 | 3242.8? | | 1792.1 | 0 ⁺ |
| 1450.8 ^c 11 | 0.32 ^c 11 | 3622.5 | | 2171.3 | (4 ⁺ ,5 ⁺) |
| ^x 1459.7 3 | 1.1 2 | | | | |
| ^x 1481.2 ^d 5 | 3.4 ^d 9 | | | | |
| 1481.2 ^d 5 | <0.05 ^{d&} | 2017.5 | 0 ⁺ | 536.21 | 2 ⁺ |
| ^x 1602.1 7 | 0.79 18 | | | | |
| 1609.6 [#] 11 | ≤2.7 [#] | 3242.8? | | 1632.0 | 3 ⁺ |
| 1613.3 [#] 7 | ≤2.7 [#] | 2149.8 | (2 ⁺) | 536.21 | 2 ⁺ |
| ^x 1631.6 8 | 0.69 33 | | | | |
| ^x 1683.4 11 | 0.28 13 | | | | |
| 1686.9 11 | 0.39 13 | 2223.2 | | 536.21 | 2 ⁺ |
| 1705.0 6 | 1.0 2 | 2241.1 | | 536.21 | 2 ⁺ |
| 1726.6 11 | ≤0.2 | 3534.8 | | 1808.1 | (4 ⁺) |
| 1746.9 10 | 0.4 2 | 3987.5 | | 2241.1 | |
| 1759.4 [#] 10 | <2.0 [#] | 2296.1 | 1,2 | 536.21 | 2 ⁺ |
| 1764.3 [#] 10 | ≤2.0 [#] | 2885.5 | 1,2 | 1122.4 | 2 ⁺ |
| 1764.3 ^{de} 10 | ≤0.2 ^d | 3987.5 | | 2223.2 | |
| 1813.9 10 | 0.19 10 | 3622.5 | | 1808.1 | (4 ⁺) |
| 1848.9 12 | 0.67 25 | 2385.6 | | 536.21 | 2 ⁺ |
| ^x 1899.2 5 | 2.8 4 | | | | |
| 1948.2 13 | 0.6 2 | 3071.3 | | 1122.4 | 2 ⁺ |
| 1966.3 9 | 0.73 15 | 2502.0 | 1,2 | 536.21 | 2 ⁺ |
| ^x 1979.6 9 | 0.14 10 | | | | |
| 1987.6 7 | 0.26 15 | 3779.8? | | 1792.1 | 0 ⁺ |
| 2008.0 9 | 1.5 5 | 2544.5 | | 536.21 | 2 ⁺ |
| 2028.8 9 | 1.3 4 | 3150.8 | | 1122.4 | 2 ⁺ |
| 2066.5 7 | 0.15 8 | 3189.5 | | 1122.4 | 2 ⁺ |
| 2092.2 [@] 12 | 1.1 2 | 2627.5 | | 536.21 | 2 ⁺ |
| 2101.3 ^c 11 | 1.5 ^c 3 | 2636.6 | | 536.21 | 2 ⁺ |
| 2101.3 ^c 11 | 1.5 ^c 3 | 3892.8? | | 1792.1 | 0 ⁺ |
| 2176.8 11 | 1.1 3 | 3299.3 | | 1122.4 | 2 ⁺ |
| 2283.0 9 | 0.14 7 | 3405.9 | | 1122.4 | 2 ⁺ |
| 2308.7 5 | 0.29 8 | 2308.7 | 1,2 | 0.0 | 0 ⁺ |
| 2345.1 7 | 1.6 4 | 3976.8 | 1,2 | 1632.0 | 3 ⁺ |
| ^x 2378.6 11 | 0.23 13 | | | | |
| ^x 2496.4 11 | 0.6 2 | | | | |
| 2612.7 11 | 0.7 3 | 3150.8 | | 536.21 | 2 ⁺ |
| 2653.8 9 | 0.7 3 | 3189.5 | | 536.21 | 2 ⁺ |
| 2763.0 ^c 4 | 0.82 ^c 24 | 2762.8 | 1,2 | 0.0 | 0 ⁺ |
| 2763.0 ^c 4 | 0.82 ^c 24 | 3299.3 | | 536.21 | 2 ⁺ |
| 2870.1 20 | 0.27 12 | 3405.9 | | 536.21 | 2 ⁺ |
| 2885.2 8 | 0.7 2 | 2885.5 | 1,2 | 0.0 | 0 ⁺ |
| 2978.7 6 | 0.82 15 | 2978.0 | 1,2 | 0.0 | 0 ⁺ |
| ^x 3028.9 8 | 0.16 8 | | | | |
| ^x 3330.0 15 | 1.7 5 | | | | |
| ^x 3943.2 14 | 0.5 1 | | | | |
| 3975.2 24 | 0.3 1 | 3976.8 | 1,2 | 0.0 | 0 ⁺ |

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$^{129}\text{Xe}(n,\gamma) E=9.47 \text{ eV}$ **1974Ge05 (continued)** $\gamma(^{130}\text{Xe})$ (continued)

| E_γ^\dagger | I_γ^\ddagger | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|-------------------------------------|---------------------|---------------------|----------------|---------|----------------|
| ^x 4064.9 24 | 0.24 8 | | | | |
| ^x 4080.5 15 | 0.15 6 | | | | |
| ^x 4226.3 20 | 0.44 9 | | | | |
| ^x 4290.6 20 | 0.45 10 | | | | |
| ^x 4444.4 20 | 0.16 6 | | | | |
| ^x 4497.3 20 | 0.19 6 | | | | |
| ^x 4505.2 20 | 0.32 7 | | | | |
| ^x 4534.5 24 | 0.22 10 | | | | |
| ^x 4546.6 10 | 0.14 5 | | | | |
| ^x 4687.9 24 | 0.27 8 | | | | |
| ^x 4713.0 10 | 0.27 7 | | | | |
| ^x 4746.1 24 | 0.19 5 | | | | |
| ^x 4769.1 10 | 0.17 6 | | | | |
| ^x 4794.9 [#] 24 | ≤0.56 [#] | | | | |
| ^x 4804.2 [#] 24 | ≤0.56 [#] | | | | |
| ^x 4822.8 24 | 0.19 5 | | | | |
| ^x 4858.1 8 | 0.25 6 | | | | |
| ^x 4876.0 6 | 0.31 7 | | | | |
| ^x 4912.5 6 | 0.31 6 | | | | |
| ^x 4927.4 [#] 24 | ≤0.77 [#] | | | | |
| ^x 4934.4 [#] 24 | ≤0.77 [#] | | | | |
| ^x 4987.8 24 | 0.30 6 | | | | |
| ^x 5007.4 24 | 0.19 6 | | | | |
| ^x 5045.5 24 | 0.13 6 | | | | |
| ^x 5074.3 24 | 0.05 5 | | | | |
| ^x 5094.1 24 | 0.27 10 | | | | |
| ^x 5150.1 24 | 0.22 7 | | | | |
| ^x 5209.6 7 | 0.31 6 | | | | |
| 5269.1 24 | 0.13 5 | (S(n)+0.00947) | 1 ⁺ | 3987.5 | |
| 5278.4 24 | 0.08 5 | (S(n)+0.00947) | 1 ⁺ | 3976.8 | 1,2 |
| 5295.4 10 | 0.08 4 | (S(n)+0.00947) | 1 ⁺ | 3959.4? | |
| 5362.7 6 | 0.26 7 | (S(n)+0.00947) | 1 ⁺ | 3892.8? | |
| 5475.5 5 | 0.14 5 | (S(n)+0.00947) | 1 ⁺ | 3779.8? | |
| 5568.2 7 | 0.40 9 | (S(n)+0.00947) | 1 ⁺ | 3687.2 | |
| 5632.1 24 | 0.04 3 | (S(n)+0.00947) | 1 ⁺ | 3622.5 | |
| 5720.5 7 | 1.0 1 | (S(n)+0.00947) | 1 ⁺ | 3534.8 | |
| 5849.6 8 | 0.63 15 | (S(n)+0.00947) | 1 ⁺ | 3405.9 | |
| 5930.2 14 | 0.13 6 | (S(n)+0.00947) | 1 ⁺ | 3325.7 | |
| 5955.6 5 | 1.9 5 | (S(n)+0.00947) | 1 ⁺ | 3299.3 | |
| 6011.6 9 | 0.26 8 | (S(n)+0.00947) | 1 ⁺ | 3242.8? | |
| 6065.3 9 | 0.65 9 | (S(n)+0.00947) | 1 ⁺ | 3189.5 | |
| 6105.1 15 | 0.25 7 | (S(n)+0.00947) | 1 ⁺ | 3150.8 | |
| 6182.7 25 | 1.0 3 | (S(n)+0.00947) | 1 ⁺ | 3071.3 | |
| 6278.1 7 | 1.1 3 | (S(n)+0.00947) | 1 ⁺ | 2978.0 | 1,2 |
| 6300.5 25 | 1.3 3 | (S(n)+0.00947) | 1 ⁺ | 2954.3 | |
| 6370.1 7 | 1.3 2 | (S(n)+0.00947) | 1 ⁺ | 2885.5 | 1,2 |
| 6493.3 13 | 0.30 8 | (S(n)+0.00947) | 1 ⁺ | 2762.8 | 1,2 |
| 6622.1 11 | 0.70 8 | (S(n)+0.00947) | 1 ⁺ | 2632.7? | |
| 6870.4 15 | 0.27 13 | (S(n)+0.00947) | 1 ⁺ | 2385.6 | |
| 7011.6 20 | 0.15 4 | (S(n)+0.00947) | 1 ⁺ | 2241.1 | |
| 7032.4 11 | 0.15 4 | (S(n)+0.00947) | 1 ⁺ | 2223.2 | |
| 7237.0 13 | 0.10 3 | (S(n)+0.00947) | 1 ⁺ | 2017.5 | 0 ⁺ |
| 7463.5 21 | 0.20 3 | (S(n)+0.00947) | 1 ⁺ | 1792.1 | 0 ⁺ |
| 8134.3 16 | 0.57 10 | (S(n)+0.00947) | 1 ⁺ | 1122.4 | 2 ⁺ |

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$^{129}\text{Xe}(n,\gamma) E=9.47 \text{ eV}$ **1974Ge05** (continued) $\gamma(^{130}\text{Xe})$ (continued)

| E_γ^\dagger | I_γ^\ddagger | $E_i(\text{level})$ | J_i^π | E_f | J_f^π |
|--------------------|---------------------|---------------------|----------------|--------|----------------|
| 8718.1 17 | 0.05 3 | (S(n)+0.00947) | 1 ⁺ | 536.21 | 2 ⁺ |
| 9254.2 21 | 0.08 4 | (S(n)+0.00947) | 1 ⁺ | 0.0 | 0 ⁺ |

[†] It was assumed by **1974Ge05** that $E_\gamma > 5210$ are primary transitions.

[‡] Relative intensities.

[#] Multiplet; $I_\gamma(1609.6+1613.3)=2.7 \ 3$, $I_\gamma(1759.4+1764.3)=2.0 \ 3$, $I_\gamma(4794.9+4804.2)=0.56 \ 9$, $I_\gamma(4927.4+4934.4)=0.77 \ 16$.

[@] Doublet.

[&] From adopted γ 's.

^a Weak.

^b A small fraction of this intensity may be due to an impurity.

^c Multiply placed with undivided intensity.

^d Multiply placed with intensity suitably divided.

^e Placement of transition in the level scheme is uncertain.

^x γ ray not placed in level scheme.

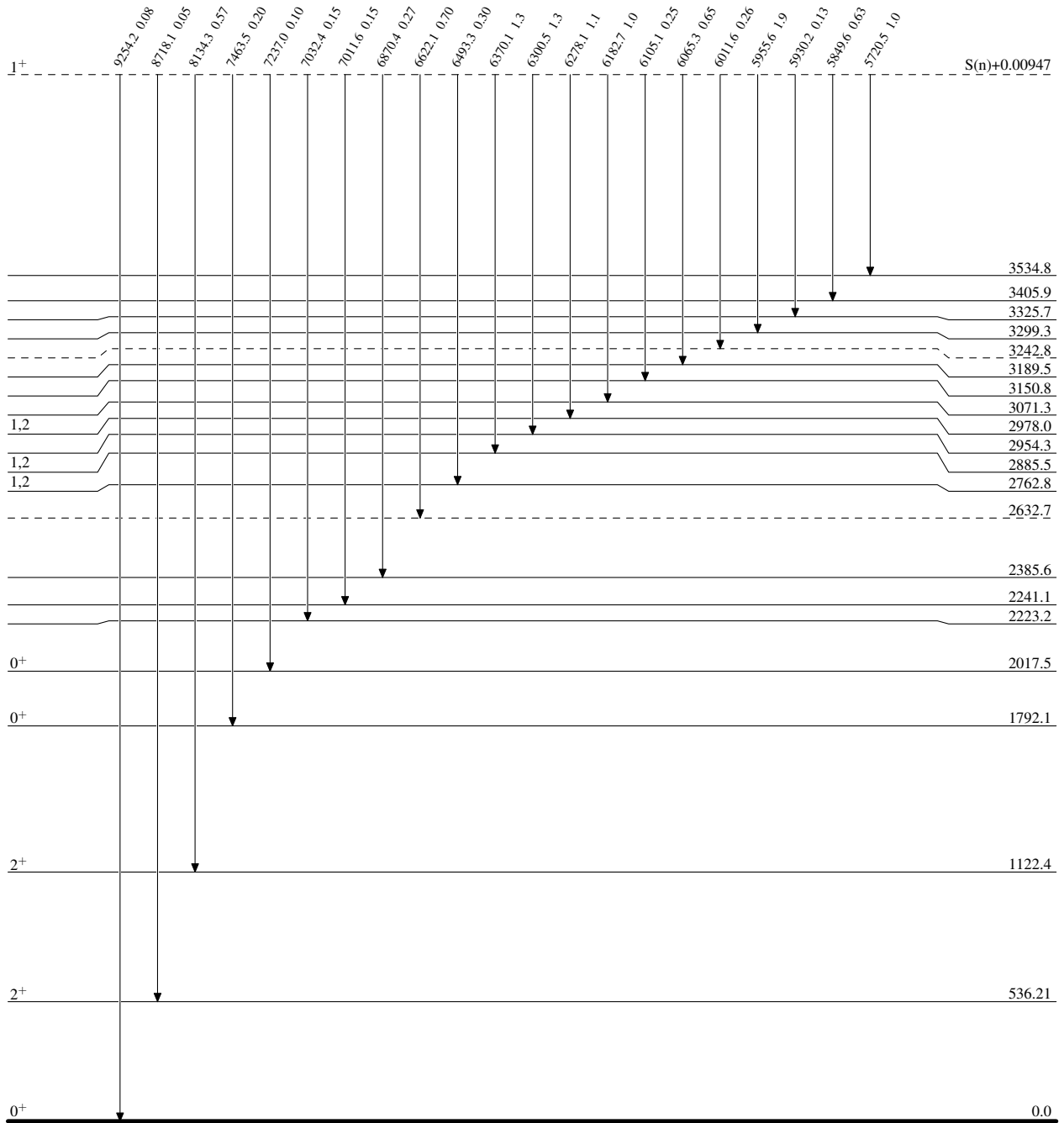
$^{129}\text{Xe}(n,\gamma) E=9.47 \text{ eV}$ 1974Ge05

Level Scheme

Intensities: Relative I_γ

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$



$^{130}_{54}\text{Xe}_{76}$

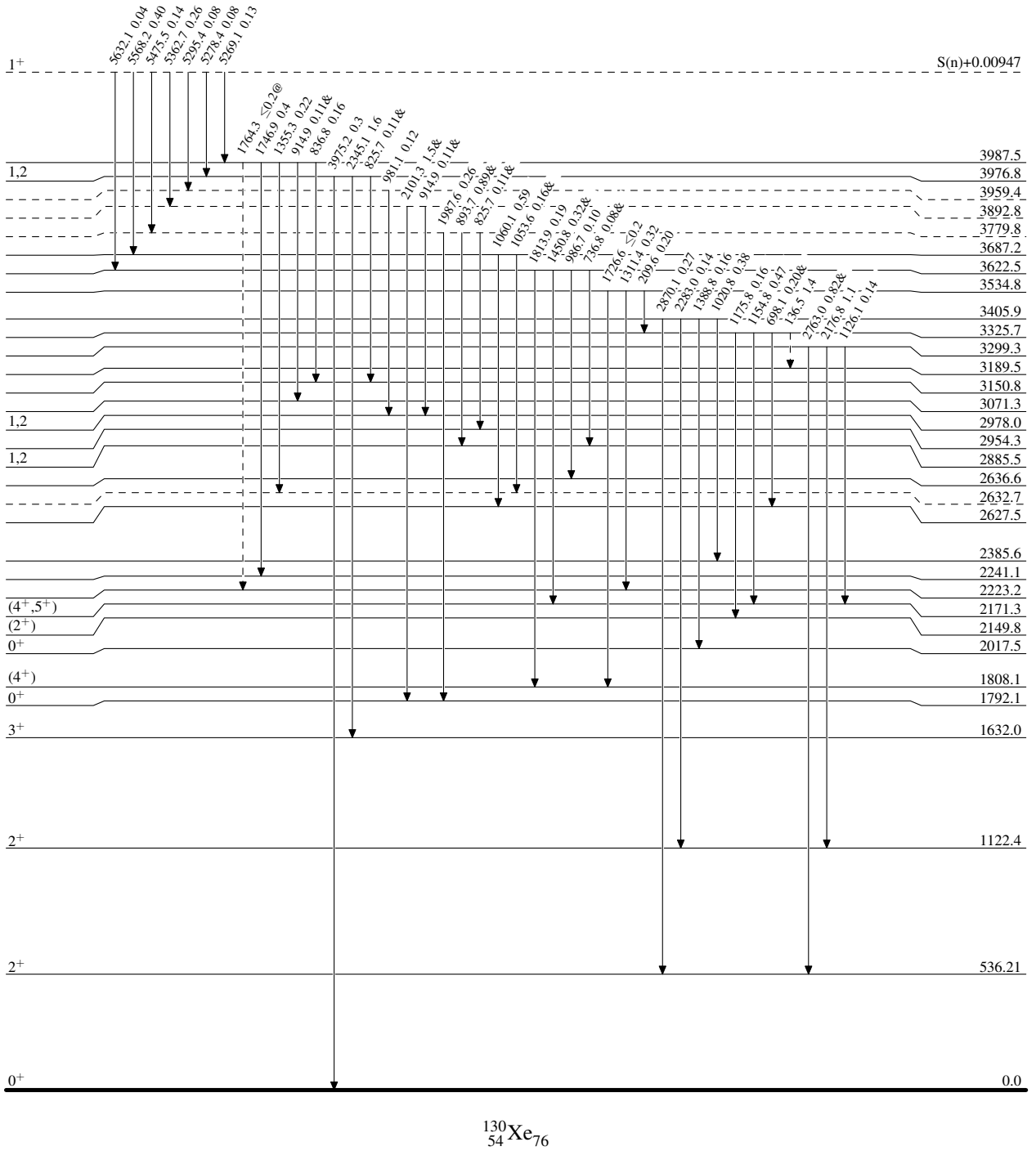
$^{129}\text{Xe}(n,\gamma) \text{E}=9.47 \text{ eV} \quad 1974\text{Ge05}$

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

- $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- $I_\gamma > 10\% \times I_\gamma^{\text{max}}$
- - - - - → γ Decay (Uncertain)



$^{130}_{54}\text{Xe}_{76}$

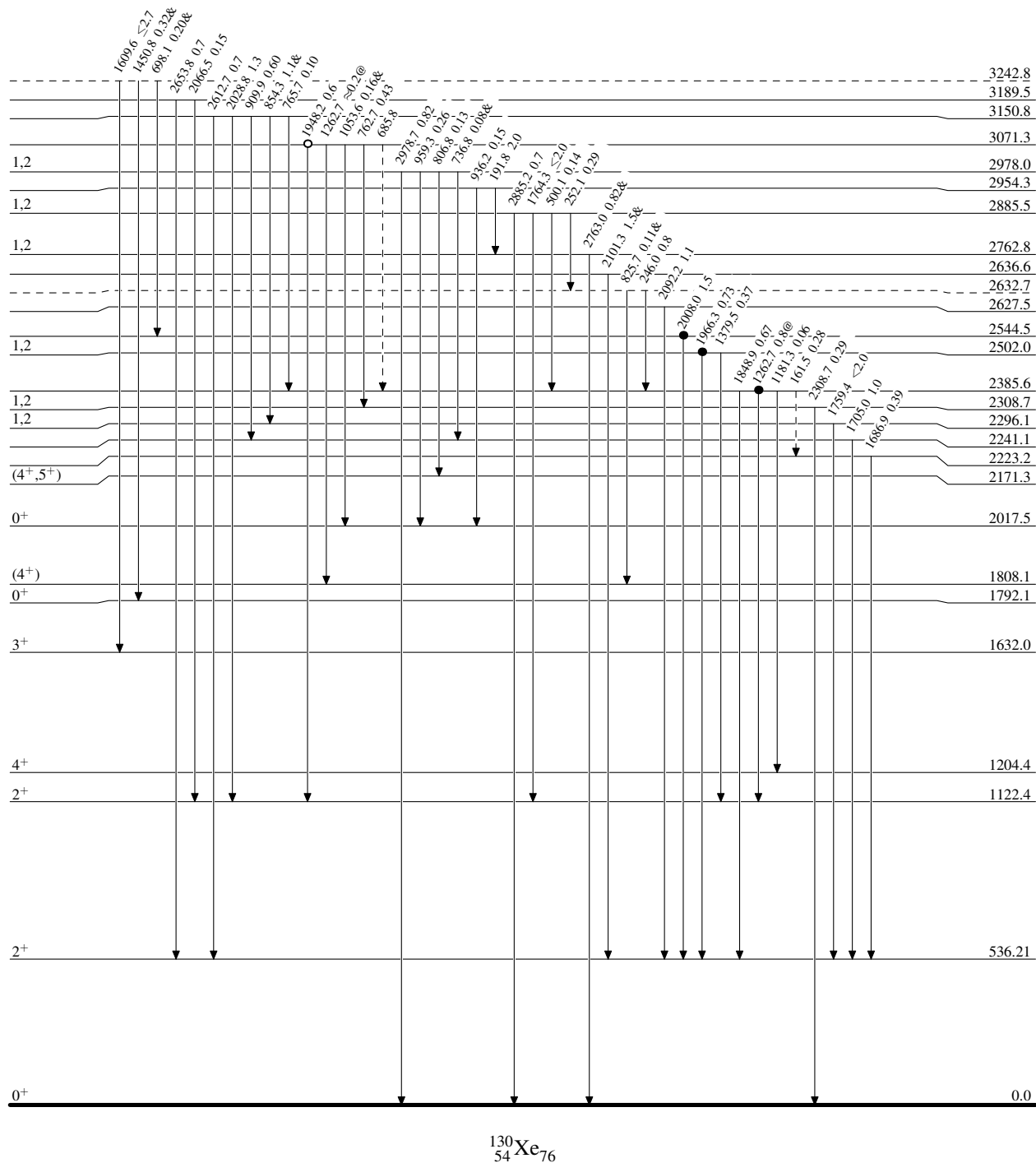
$^{129}\text{Xe}(n,\gamma) E=9.47 \text{ eV}$ 1974Ge05

Legend

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

- ▶ $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- ▶ $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- ▶ $I_\gamma > 10\% \times I_\gamma^{\text{max}}$
- - -▶ γ Decay (Uncertain)
- Coincidence
- Coincidence (Uncertain)



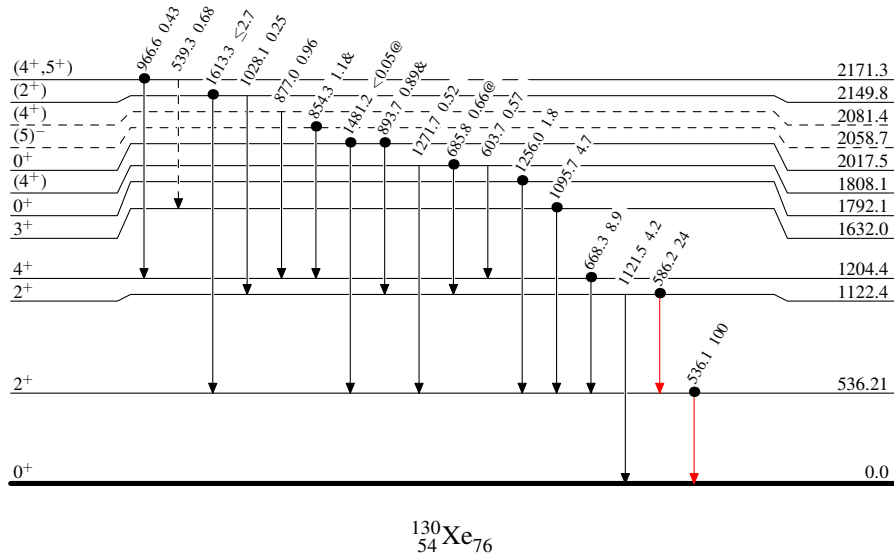
$^{129}\text{Xe}(n,\gamma) \text{E}=9.47 \text{ eV}$ 1974Ge05

Level Scheme (continued)

Intensities: Relative I_γ
 & Multiply placed: undivided intensity given
 @ Multiply placed: intensity suitably divided

Legend

- $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- $I_\gamma > 10\% \times I_\gamma^{\text{max}}$
- - - - - γ Decay (Uncertain)
- Coincidence

 $^{130}_{54}\text{Xe}_{76}$