^{91}Zr(n,γ),(n,n) E=res 2008Ta29

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 2187 (2012)	15-Sep-2012

$J^\pi(^{91}Zr)=5/2^+$.

Other: 1972BiZS.

1972BiZS: E(n)=5-80 keV. Primary γ rays observed to the following levels: 0, 940, 1490, 1840, 2040.

2008Ta29: E(n)<250 MeV pulsed beam from n_TOF facility at CERN, produced after slowing/moderating spallation neutrons from 1 GeV proton bombardment of a massive Pb target surrounded by 2.8 cm layer of water; ^{6}Li layer on mylar foil for n flux determination; two thin C_6D_6 liquid scintillator cells In low-background area detected prompt γ cascade following n capture; 89.9% enriched ^{91}Zr oxide target; measured σ (E(n)=1-26 eV,≤0.1% resolution), Γ_γ, Γ_n, capture kernel K, resonance energies; R-matrix analysis see also 2005Ta23 and 2005MoZW.

^{92}Zr Levels

E(level)[†]	J^π[‡]	L[‡]	K (eV)[@]	Comments
S(n)+0.15943 *2*	1	1	0.00092 *3*	Γ_γ=0.334 eV *26*, Γ_n=0.000374 eV *14*.
S(n)+0.181987 *2*	4	1	0.00499 *3*	Γ_γ=0.167 eV *3*, Γ_n=0.00693 eV *4*.
S(n)+0.240404 *6*	2	1	0.00161 *21*	Γ_γ=0.228 eV *10*, Γ_n=0.00393 eV *5*.
S(n)+0.292702 *5*	3	0	0.0589 *2*	Γ_γ=0.1200 eV *6*, Γ_n=0.643 eV *3*.
S(n)+0.44976 *1*	3	1	0.00203 *4*	Γ_γ=0.237 eV *18*, Γ_n=0.00354 eV *7*.
S(n)+0.68176 *1*	3	0	0.0552 *4*	Γ_γ=0.1070 eV *9*, Γ_n=0.825 eV *10*.
S(n)+0.89314 *1*	3	1	0.0150 *3*	Γ_γ=0.163 eV *13*, Γ_n=0.0304 eV *6*.
S(n)+1.5323 *2*	2	0	0.0569 *13*	Γ_γ=0.138 eV *3*, Γ_n=10.0 eV *4*.
S(n)+1.53328 *4*	3	1	0.0424 *19*	Γ_γ=0.109 eV *5*, Γ_n=0.220 eV *21*.
S(n)+1.95448 *3*	3	1	0.076 *3*	Γ_γ=0.209 eV *9*, Γ_n=0.34 eV *3*.
S(n)+1.99878 *6*	3	0	0.0115 *4*	Γ_γ=0.157 eV *15*, Γ_n=0.0226 eV *8*.
S(n)+2.01318 *3*	3	1	0.0549 *15*	Γ_γ=0.124 eV *3*, Γ_n=0.39 eV *3*.
S(n)+2.3614 *6*	2	0	0.00286 *21*	Γ_γ=0.0069 eV *5*, Γ_n=4.9 eV *4*.
S(n)+2.38516 *5*	3	1	0.0405 *21*	Γ_γ=0.135 eV *10*, Γ_n=0.143 eV *11*.
S(n)+2.4767 *1*	2	0	0.0489 *12*	Γ_γ=0.120 eV *3*, Γ_n=6.42 eV *23*.
S(n)+2.7271 *2*	3	0	0.0711 *19*	Γ_γ=0.124 eV *3*, Γ_n=8.6 eV *4*.
S(n)+2.7578 *1*	1	1	0.0181 *11*	Γ_γ=0.145 eV *12*, Γ_n=0.145 eV *12*.
S(n)+2.76362 *6*	2	1	0.0490 *17*	Γ_γ=0.152 eV *5*, Γ_n=0.53 eV *5*.
S(n)+3.15899 *6*	4	1	0.0759 *18*	Γ_γ=0.120 eV *3*, Γ_n=0.64 eV *5*.
S(n)+3.6124 *1*	4	1	0.0316 *17*	Γ_γ=0.079 eV *6*, Γ_n=0.091 eV *7*.
S(n)+3.64429 *7*	3	1	0.0515 *23*	Γ_γ=0.127 eV *6*, Γ_n=0.29 eV *3*.
S(n)+3.8640 *1*	3	1	0.062 *4*	Γ_γ=0.133 eV *12*, Γ_n=0.52 eV *5*.
S(n)+3.8667[#] *5*	(3)	(0)	0.0136 *13*	Γ_γ=0.0230 eV *22*, Γ_n=4.5 eV *4*.
S(n)+4.0075 *1*	3	1	0.058 *3*	Γ_γ=0.168 eV *11*, Γ_n=0.241 eV *21*.
S(n)+4.2786 *1*	2	0	0.0397 *15*	Γ_γ=0.112 eV *5*, Γ_n=0.66 eV *7*.
S(n)+4.3272 *1*	1	1	0.150 *5*	Γ_γ=0.729 eV *25*, Γ_n=3.38 eV *24*.
S(n)+4.7490 *1*	2	1	0.068 *3*	Γ_γ=0.228 eV *11*, Γ_n=0.57 eV *5*.
S(n)+4.9796 *2*	3	0	0.0427 *20*	Γ_γ=0.096 eV *5*, Γ_n=0.31 eV *3*.
S(n)+5.3603 *1*	3	1	0.0107 *6*	Γ_γ=0.238 eV *22*, Γ_n=0.0200 eV *12*.
S(n)+5.5276 *6*	2	0	0.055 *3*	Γ_γ=0.133 eV *7*, Γ_n=12.0 eV *9*.
S(n)+5.6340 *2*	3	1	0.0601 *24*	Γ_γ=0.120 eV *5*, Γ_n=0.74 eV *7*.
S(n)+5.8251 *3*	4	1	0.0458 *26*	Γ_γ=0.089 eV *6*, Γ_n=0.190 eV *18*.
S(n)+6.09051 *5*	4	1	0.0340 *22*	Γ_γ=0.095 eV *9*, Γ_n=0.087 eV *7*.
S(n)+6.16918 *3*	4	1	0.0050 *4*	Γ_γ=0.089 eV *9*, Γ_n=0.0071 eV *6*.
S(n)+6.17904[#] *4*	(4)	(1)	0.0051 *5*	Γ_γ=0.093 eV *9*, Γ_n=0.0073 eV *7*.
S(n)+6.4726 *3*	3	0	0.058 *3*	Γ_γ=0.102 eV *5*, Γ_n=4.3 eV *4*.
S(n)+6.7595 *4*	2	1	0.0276 *17*	Γ_γ=0.098 eV *8*, Γ_n=0.204 eV *20*.
S(n)+6.8590 *3*	2	0	0.0395 *22*	Γ_γ=0.100 eV *6*, Γ_n=1.88 eV *18*.
S(n)+7.0405 *3*	4	1	0.125 *4*	Γ_γ=0.174 eV *6*, Γ_n=3.8 eV *3*.
S(n)+7.1259 *3*	3	1	0.078 *3*	Γ_γ=0.154 eV *7*, Γ_n=1.05 eV *10*.
S(n)+7.2598 *4*	(3)	(0)	0.064 *4*	Γ_γ=0.121 eV *7*, Γ_n=1.22 eV *11*.

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^{91}Zr(n,γ),(n,n) E=res 2008Ta29 (continued)

^{92}Zr Levels (continued)

E(level)[†]	Jπ[‡]	L[‡]	K (eV)[@]	Comments
S(n)+7.3542 *5*	3	0	0.070 *3*	Γ_γ=0.122 eV *6*, Γ_n=7.5 eV *6*.
S(n)+7.7555 *4*	2	1	0.121 *7*	Γ_γ=0.314 eV *17*, Γ_n=4.24 eV *4*.
S(n)+7.7660 *8*	1	1	0.049 *4*	Γ_γ=0.218 eV *18*, Γ_n=1.80 eV *17*.
S(n)+8.4987 *4*	3	0	0.062 *3*	Γ_γ=0.121 eV *8*, Γ_n=0.80 eV *7*.
S(n)+8.5169 *3*	2	1	0.078 *4*	Γ_γ=0.203 eV *11*, Γ_n=2.30 eV *21*.
S(n)+8.9447 *5*	3	0	0.0411 *25*	Γ_γ=0.076 eV *5*, Γ_n=1.00 eV *10*.
S(n)+9.0350 *4*	4	1	0.066 *4*	Γ_γ=0.106 eV *7*, Γ_n=0.54 eV *5*.
S(n)+9.0984 *4*	3	1	0.063 *3*	Γ_γ=0.129 eV *8*, Γ_n=0.64 eV *6*.
S(n)+9.2266 *4*	3	1	0.047 *3*	Γ_γ=0.087 eV *5*, Γ_n=1.18 eV *12*.
S(n)+9.3010 *6*	2	0	0.0318 *21*	Γ_γ=0.167 eV *16*, Γ_n=0.140 eV *13*.
S(n)+9.8267 *3*	2	0	0.085 *5*	Γ_γ=0.254 eV *16*, Γ_n=1.00 eV *10*.
S(n)+9.8708 *8*	2	0	0.051 *3*	Γ_γ=0.124 eV *8*, Γ_n=7.7 eV *7*.
S(n)+9.9895 *4*	4	1	0.098 *5*	Γ_γ=0.141 eV *7*, Γ_n=1.90 eV *19*.
S(n)+10.1248 *6*	2	1	0.075 *4*	Γ_γ=0.190 eV *11*, Γ_n=3.3 eV *3*.
S(n)+10.5177 *6*	4	1	0.068 *4*	Γ_γ=0.100 eV *7*, Γ_n=0.75 eV *6*.
S(n)+10.5504 *4*	3	1	0.076 *4*	Γ_γ=0.160 eV *10*, Γ_n=0.80 eV *8*.
S(n)+10.7018 *5*	2	1	0.065 *4*	Γ_γ=0.190 eV *13*, Γ_n=0.89 eV *9*.
S(n)+10.7349 *8*	2	0	0.0364 *23*	Γ_γ=0.150 eV *14*, Γ_n=0.106 eV *9*.
S(n)+11.0243 *1*	(3)	(1)	0.0142 *11*	E(level): E(n)(lab)=11.02434 *4* (2008Ta29). Γ_γ=0.035 eV *4*, Γ_n=0.080 eV *8*.
S(n)+11.0661 *6*	3	1	0.067 *4*	Γ_γ=0.123 eV *8*, Γ_n=1.80 eV *18*.
S(n)+11.1175 *4*	2	0	0.0281 *20*	Γ_γ=0.130 eV *13*, Γ_n=0.140 eV *14*.
S(n)+11.1232 *9*	2	1	0.046 *4*	Γ_γ=0.120 eV *11*, Γ_n=2.10 eV *20*.
S(n)+11.2307 *7*	3	0	0.053 *3*	Γ_γ=0.094 eV *6*, Γ_n=3.0 eV *3*.
S(n)+12.1021 *5*	3	1	0.091 *5*	Γ_γ=0.176 eV *11*, Γ_n=1.30 eV *13*.
S(n)+12.1503 *1*	(3)	(1)	0.0196 *16*	E(level): E(n)(lab)=12.15026 *3* (2008Ta29). Γ_γ=0.140 eV *14*, Γ_n=0.044 eV *4*.
S(n)+12.2179 *5*	4	1	0.154 *7*	Γ_γ=0.221 eV *11*, Γ_n=2.8 eV *3*.
S(n)+12.3186 *7*	3	0	0.066 *4*	Γ_γ=0.120 eV *8*, Γ_n=1.90 eV *19*.
S(n)+12.5118[#] *4*	(2)	(1)	0.0202 *18*	Γ_γ=0.055 eV *6*, Γ_n=0.40 eV *4*.
S(n)+12.546 *2*	2	1	0.121 *11*	Γ_γ=0.30 eV *3*, Γ_n=8.8 eV *8*.
S(n)+12.5592 *6*	2	1	0.083 *7*	Γ_γ=0.32 eV *3*, Γ_n=0.54 eV *5*.
S(n)+12.924 *4*	2	1	0.036 *3*	Γ_γ=0.087 eV *8*, Γ_n=9.4 eV *9*.
S(n)+12.933 *4*	3	0	0.0289 *26*	Γ_γ=0.050 eV *5*, Γ_n=3.9 eV *4*.
S(n)+13.1519 *8*	1	1	0.0756 *21*	Γ_γ=0.350 eV *11*, Γ_n=2.30 eV *19*.
S(n)+13.2555 *9*	3	1	0.060 *4*	Γ_γ=0.108 eV *8*, Γ_n=2.10 eV *21*.
S(n)+13.3010 *9*	3	0	0.086 *6*	Γ_γ=0.152 eV *11*, Γ_n=4.5 eV *5*.
S(n)+13.348 *4*	(2)	(1)	0.0221 *20*	Γ_γ=0.053 eV *5*, Γ_n=20 eV *2*.
S(n)+13.5673 *9*	2	0	0.048 *3*	Γ_γ=0.140 eV *11*, Γ_n=0.74 eV *7*.
S(n)+13.6940 *7*	3	1	0.156 *8*	Γ_γ=0.283 eV *16*, Γ_n=4.8 eV *5*.
S(n)+13.802 *1*	3	0	0.059 *4*	Γ_γ=0.108 eV *8*, Γ_n=4.2 eV *4*.
S(n)+13.9345 *2*	(3)	(0)	0.0139 *13*	Γ_γ=0.0260 eV *25*, Γ_n=0.33 eV *3*.
S(n)+14.074 *1*	3	0	0.109 *7*	Γ_γ=0.192 eV *12*, Γ_n=6.9 eV *7*.
S(n)+14.187 *1*	1	1	0.039 *3*	Γ_γ=0.200 eV *18*, Γ_n=0.66 eV *7*.
S(n)+14.236 *1*	2	1	0.057 *4*	Γ_γ=0.160 eV *13*, Γ_n=0.97 eV *10*.
S(n)+14.485 *1*	(4)	(1)	0.072 *7*	Γ_γ=0.0097 eV *10*, Γ_n=0.61 eV *6*.
S(n)+14.582 *1*	4	1	0.132 *8*	Γ_γ=0.180 eV *11*, Γ_n=8.1 eV *8*.
S(n)+14.811 *2*	(3)	(0)	0.0105 *9*	Γ_γ=0.0200 eV *20*, Γ_n=0.190 eV *17*.
S(n)+14.839 *1*	2	0	0.051 *4*	Γ_γ=0.128 eV *10*, Γ_n=3.4 eV *3*.
S(n)+15.175 *1*	2	1	0.137 *8*	Γ_γ=0.343 eV *22*, Γ_n=8.4 eV *8*.
S(n)+15.230 *2*	2	0	0.047 *4*	Γ_γ=0.110 eV *9*, Γ_n=130 eV *13*.
S(n)+15.7633[#] *1*	(3)	(0)	0.066 *5*	Γ_γ=0.30 eV *3*, Γ_n=0.180 eV *18*.
S(n)+15.7773 *3*	3	0	0.0212 *19*	Γ_γ=0.040 eV *4*, Γ_n=0.41 eV *4*.
S(n)+15.937 *4*	(4)	(1)	0.073 *7*	Γ_γ=0.0100 eV *10*, Γ_n=0.67 eV *7*.
S(n)+15.978 *1*	4	1	0.086 *6*	Γ_γ=0.119 eV *9*, Γ_n=3.0 eV *3*.
S(n)+16.190 *3*	2	1	0.086 *7*	Γ_γ=0.210 eV *17*, Γ_n=180 eV *18*.

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^{91}Zr(n,γ),(n,n) E=res 2008Ta29 (continued)

^{92}Zr Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	L[‡]	K (eV)[@]	Comments
S(n)+16.699 *1*	2	0	0.062 *5*	Γ_γ=0.170 eV *16*, Γ_n=1.40 eV *12*.
S(n)+16.8263 *1*	(3)	(1)	0.0326 *24*	E(level): E(n)(lab)=16.82625 *5* (2008Ta29). Γ_γ=0.081 eV *8*, Γ_n=0.180 eV *17*.
S(n)+16.972 *6*	3	1	0.034 *3*	Γ_γ=0.060 eV *6*, Γ_n=3.4 eV *3*.
S(n)+17.062 *2*	2	1	0.0261 *20*	Γ_γ=0.081 eV *8*, Γ_n=0.280 eV *26*.
S(n)+17.424[#] *3*	(3)	(1)	0.045 *4*	Γ_γ=0.078 eV *7*, Γ_n=6.7 eV *6*.
S(n)+17.454 *2*	3	1	0.077 *6*	Γ_γ=0.140 eV *11*, Γ_n=6.1 eV *6*.
S(n)+17.800 *1*	4	1	0.107 *7*	Γ_γ=0.160 eV *12*, Γ_n=1.30 eV *12*.
S(n)+18.543[#] *1*	3	1	0.071 *5*	Γ_γ=0.140 eV *12*, Γ_n=0.88 eV *9*.
S(n)+18.5840	(3)	(1)	0.00175 *18*	E(level): E(n)(lab)=18.58403 *1* (2008Ta29). Γ_γ=0.0030 eV *3*, Γ_n=3.5 eV *3*.
S(n)+18.632 *1*	2	1	0.212 *13*	Γ_γ=0.54 eV *3*, Γ_n=8.6 eV *8*.
S(n)+19.487 *1*	4	1	0.166 *11*	Γ_γ=0.300 eV *24*, Γ_n=0.81 eV *8*.
S(n)+19.5902 *1*	2	1	0.050 *4*	Γ_γ=0.20 eV *2*, Γ_n=0.30 eV *3*.
S(n)+19.760 *2*	3	1	0.082 *6*	Γ_γ=0.160 eV *14*, Γ_n=1.00 eV *9*.
S(n)+19.800 *2*	3	0	0.057 *4*	Γ_γ=0.150 eV *14*, Γ_n=0.160 eV *15*.
S(n)+20.0127 *1*	4	1	0.057 *4*	Γ_γ=0.150 eV *14*, Γ_n=0.160 eV *16*.
S(n)+20.0587 *1*	3	0	0.049 *4*	Γ_γ=0.110 eV *11*, Γ_n=0.39 eV *4*.
S(n)+20.171 *2*	3	0	0.101 *8*	Γ_γ=0.180 eV *15*, Γ_n=2.00 eV *19*.
S(n)+20.241 *3*	4	1	0.107 *10*	Γ_γ=0.140 eV *13*, Γ_n=13.0 eV *13*.
S(n)+20.250 *4*	2	0	0.0133 *9*	Γ_γ=0.080 eV *8*, Γ_n=0.053 eV *5*.
S(n)+20.3095 *1*	2	1	0.056 *4*	Γ_γ=0.240 eV *23*, Γ_n=0.31 eV *3*.
S(n)+20.4028 *5*	3	1	0.068 *5*	Γ_γ=0.220 eV *22*, Γ_n=0.250 eV *25*.
S(n)+20.626 *2*	3	0	0.079 *6*	Γ_γ=0.140 eV *13*, Γ_n=0.63 eV *6*.
S(n)+20.913 *1*	4	1	0.0134 *9*	Γ_γ=0.260 eV *23*, Γ_n=0.58 eV *6*.
S(n)+21.234 *1*	3	0	0.073 *6*	Γ_γ=0.140 eV *13*, Γ_n=1.60 eV *16*.
S(n)+21.277 *1*	(3)	(1)	0.068 *6*	Γ_γ=0.130 eV *12*, Γ_n=1.54 eV *15*.
S(n)+21.3458 *2*	4	1	0.0115 *11*	Γ_γ=0.39 eV *4*, Γ_n=0.0160 eV *16*.
S(n)+21.396 *3*	(3)	(1)	0.0230 *21*	Γ_γ=0.042 eV *4*, Γ_n=0.068 eV *7*.
S(n)+21.476 *2*	1	1	0.108 *8*	Γ_γ=0.47 eV *4*, Γ_n=5.4 eV *5*.
S(n)+21.747 *3*	2	0	0.107 *9*	Γ_γ=0.260 eV *22*, Γ_n=12.0 eV *12*.
S(n)+21.782 *2*	3	1	0.033 *3*	Γ_γ=0.061 eV *6*, Γ_n=0.75 eV *7*.
S(n)+22.113 *1*	(3)	(1)	0.0328 *23*	Γ_γ=0.096 eV *10*, Γ_n=0.140 eV *13*.
S(n)+22.161 *4*	3	0	0.039 *3*	Γ_γ=0.069 eV *6*, Γ_n=2.30 eV *23*.
S(n)+22.276 *2*	(1)	(1)	0.035 *3*	Γ_γ=0.160 eV *15*, Γ_n=1.10 eV *10*.
S(n)+22.3749 *3*	(3)	(1)	0.0237 *16*	Γ_γ=0.076 eV *8*, Γ_n=0.090 eV *9*.
S(n)+22.454 *2*	(1)	(1)	0.051 *4*	Γ_γ=0.270 eV *25*, Γ_n=0.88 eV *6*.
S(n)+22.513 *2*	(1)	(1)	0.043 *3*	Γ_γ=0.210 eV *20*, Γ_n=1.00 eV *10*.
S(n)+22.598 *1*	4	1	0.068 *4*	Γ_γ=0.220 eV *21*, Γ_n=0.150 eV *13*.
S(n)+22.744 *4*	2	0	0.072 *6*	Γ_γ=0.180 eV *16*, Γ_n=6.5 eV *6*.
S(n)+22.796 *2*	(3)	(1)	0.105 *8*	Γ_γ=0.220 eV *19*, Γ_n=1.00 eV *10*.
S(n)+22.820 *6*	4	1	0.061 *6*	Γ_γ=0.0082 eV *8*, Γ_n=0.58 eV *5*.
S(n)+22.8507 *7*	(3)	(1)	0.039 *3*	Γ_γ=0.160 eV *16*, Γ_n=0.110 eV *11*.
S(n)+22.975 *2*	(2)	(0)	0.091 *8*	Γ_γ=0.220 eV *20*, Γ_n=105 eV *10*.
S(n)+23.231 *3*	(3)	(1)	0.0196 *18*	Γ_γ=0.036 eV *4*, Γ_n=0.52 eV *5*.
S(n)+23.318 *4*	2	1	0.035 *3*	Γ_γ=0.087 eV *9*, Γ_n=1.80 eV *18*.
S(n)+23.512 *3*	(3)	(1)	0.0251 *24*	Γ_γ=0.044 eV *4*, Γ_n=1.50 eV *14*.
S(n)+23.695 *5*	4	1	0.057 *5*	Γ_γ=0.100 eV *10*, Γ_n=0.31 eV *3*.
S(n)+23.785 *2*	2	0	0.047 *3*	Γ_γ=0.200 eV *19*, Γ_n=0.260 eV *24*.
S(n)+23.925 *2*	(3)	(1)	0.088 *8*	Γ_γ=0.150 eV *14*, Γ_n=55 eV *5*.
S(n)+24.190 *3*	(3)	(1)	0.097 *8*	Γ_γ=0.170 eV *15*, Γ_n=3.1 eV *3*.
S(n)+24.236 *2*	3	1	0.161 *12*	Γ_γ=0.280 eV *22*, Γ_n=9.8 eV *10*.
S(n)+24.294 *2*	3	1	0.054 *4*	Γ_γ=0.140 eV *14*, Γ_n=0.29 eV *3*.
S(n)+24.775 *3*	(2)	(1)	0.067 *5*	Γ_γ=0.210 eV *20*, Γ_n=0.66 eV *6*.
S(n)+24.800 *3*	2	1	0.056 *5*	Γ_γ=0.140 eV *13*, Γ_n=1.90 eV *19*.
S(n)+24.852 *6*	(2)	(1)	0.0169 *16*	Γ_γ=0.043 eV *4*, Γ_n=0.77 eV *8*.

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^{91}Zr(n,γ),(n,n) E=res 2008Ta29 (continued)

^{92}Zr Levels (continued)

E(level)[†]	Jπ[‡]	L[‡]	K (eV)[@]	Comments
S(n)+24.892 *4*	(3)	(1)	0.049 *5*	Γ_γ=0.089 eV *9*, Γ_n=1.50 eV *15*.
S(n)+24.924 *2*	2	1	0.110 *9*	Γ_γ=0.30 eV *3*, Γ_n=2.20 eV *21*.
S(n)+24.996 *2*	(3)	(0)	0.0152 *11*	Γ_γ=0.084 eV *8*, Γ_n=0.038 eV *4*.
S(n)+25.222 *5*	2	0	0.039 *3*	Γ_γ=0.110 eV *11*, Γ_n=0.65 eV *6*.
S(n)+25.2651 *2*	3	1	0.070 *6*	Γ_γ=0.160 eV *16*, Γ_n=0.48 eV *5*.
S(n)+25.6981 *4*	4	1	0.080 *6*	Γ_γ=0.180 eV *17*, Γ_n=0.260 eV *25*.
S(n)+25.990 *2*	3	0	0.160 *11*	Γ_γ=0.33 eV *3*, Γ_n=1.56 eV *15*.
S(n)+26.126 *3*	(4)	(1)	0.073 *6*	Γ_γ=0.120 eV *12*, Γ_n=0.55 eV *5*.

[†] Given here As S(n)+E(n)(lab), where S(n)(^{92}Zr)=8634.79 *11* (2011AuZZ), E(n)(c.m.)=E(n)(lab)(91/92). The uncertainty shown does not include the uncertainty in S(n).
[‡] From 2008Ta29.
[#] This resonance is a doublet (2008Ta29).
[@] Capture kernel K=g$\Gamma_n\Gamma_\gamma/(\Gamma_n+\Gamma_\gamma)$ where statistical factor g=(2J+1)/12.