

$^{61}\text{Ni}(n,\gamma)$:resonances 2018MuZY,2006Ko28

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Huang Xiaolong, and Wang Xianghan		NDS 204,1 (2025)	30-Jun-2023

$J^{\pi}(^{61}\text{Ni g.s.})=3/2^{-}$.

2018MuZY: compilation and evaluation of neutron resonances.

2006Ko28: $E(n)=-3.4$ keV to 420.0 keV: about 170 resonances; measured transmission spectra, total neutron σ , deduced $E(n)$, resonance parameters, widths, spins using R-matrix analysis. Measurements performed at GELINA, the neutron time-of-flight facility at IRMM. 2018MuZY take most of the data from 2006Ko28.

Earlier works: 2003BrZV ($E(n)<100$ keV); 1974PaZM ($E(n)=15-100$ keV); 1969Ho12 ($E(n)=0.1$ to 200 keV); 1966Go38 ($E(n)=30-60$ keV).

All data are from 2018MuZY evaluation, except in a few cases, where resonance energies to additional decimal places are taken from 2006Ko28.

g=statistical factor.

 ^{62}Ni Levels

$E(\text{level})^{\dagger}$	J^{π}	L	$g\Gamma_0\Gamma_{\gamma}/\Gamma$ (eV) [#]	Comments
10587.6? 3	2^{-}	0		$E(\text{level})$: fictitious resonance to fit the low energy part of the spectrum below the $S(n)$ value, level is not included in the Adopted Levels.
10597.0 3	(1^{-})	(0)	0.21 3	$E(n)(\text{lab})=-8.266$ keV, $\Gamma_{\gamma}=(2)$ eV.
10598.8 3	$[1]^{+}$	1	0.085 20	$E(n)(\text{lab})=1.3550$ keV 6, $2g\Gamma_n=0.25$ eV 11, $\Gamma_{\gamma}=0.95$ eV 5. $E(n)(\text{lab})=3.1440$ keV 2, $2g\Gamma_n=0.174$ eV 8, $\Gamma_{\gamma}=0.99$ eV 14. Uncertainty of 0.50 keV in 2018MuZY seems a misprint.
10599.0 3	2^{-}	(0)	0.42 6	$E(n)(\text{lab})=3.3059$ keV 2, $2g\Gamma_n=1.32$ eV 3.
10602.0 3	$[1]^{+}$	(1)	0.17 4	$E(n)(\text{lab})=6.3723$ keV 6, $2g\Gamma_n=0.360$ eV 11.
10602.1 3	$[1]^{+}$	(1)	0.47 10	$E(n)(\text{lab})=6.4804$ keV 4, $2g\Gamma_n=1.10$ eV 4.
10602.7 3	1^{-}	0		$E(n)(\text{lab})=7.1300$ keV 4, $2g\Gamma_n=46.1$ eV 14, $\Gamma_{\gamma}=2.53$ eV 42.
10603.1 3	2^{-}	0		$E(n)(\text{lab})=7.5317$ keV 5, $2g\Gamma_n=234.5$ eV 70, $\Gamma_{\gamma}=2.19$ eV 14.
10604.3 3	2^{-}	0		$E(n)(\text{lab})=8.7223$ keV 5, $2g\Gamma_n=1.01$ eV 30, $\Gamma_{\gamma}=2.2$ eV 3.
10605.5 3	$(0 \text{ to } 3)^{+}$	1	0.09 2	$E(n)(\text{lab})=9.94$ keV 2, $2g\Gamma_n=0.44$ eV 5 $\Gamma_{\gamma}=2.2$ eV 3.
10605.7 3	$[1]^{+}$	1	0.16 2	$E(n)(\text{lab})=10.126$ keV 30, $2g\Gamma_n=0.396$ eV 60.
10606.4 3				$E(n)(\text{lab})=10.90$ keV 3.
10606.9 3				$E(n)(\text{lab})=11.40$ keV 3.
10607.3 3				$E(n)(\text{lab})=11.80$ keV 3.
10608.1 3	2^{-}	0		$E(n)(\text{lab})=12.610$ keV 1, $2g\Gamma_n=90.4$ eV 27, $\Gamma_{\gamma}=1.78$ eV 30.
10608.8 3	$[1]^{+}$	1	0.29 4	$E(n)(\text{lab})=13.340$ keV 2, $2g\Gamma_n=0.83$ eV 10.
10609.1 3	2^{-}	0		$E(n)(\text{lab})=13.603$ keV 1, $2g\Gamma_n=79$ eV 1, $\Gamma_{\gamma}=1.70$ eV 28.
10609.5 3	2^{+}	1		$E(n)(\text{lab})=13.987$ keV 1, $2g\Gamma_n=14$ eV 1, $\Gamma_{\gamma}=3.1$ eV 5.
10609.8 3	$[1]^{+}$	1	0.31 5	$E(n)(\text{lab})=14.375$ keV 2, $2g\Gamma_n=1.11$ eV 14.
10610.9 3	$(0 \text{ to } 3)^{+}$	1	0.18 3	$E(n)(\text{lab})=15.44$ keV 4, $2g\Gamma_n=0.56$ eV 9.
10611.2 3	$(0 \text{ to } 3)^{+}$	1	0.11 2	$E(n)(\text{lab})=15.72$ keV 4, $2g\Gamma_n=0.28$ eV 5.
10612.0 3	1^{-}	0		$E(n)(\text{lab})=16.584$ keV 17, $2g\Gamma_n=611$ eV 4, $\Gamma_{\gamma}=2.3$ eV 4.
10612.2 3	$(0 \text{ to } 3)^{+}$	1	0.18 3	$E(n)(\text{lab})=16.82$ keV 5, $2g\Gamma_n=0.56$ eV 9.
10613.2 3	1^{-}	0		$E(n)(\text{lab})=17.8155$ keV 14, $2g\Gamma_n=112$ eV 4, $\Gamma_{\gamma}=4.1$ eV 7. $E(n)(\text{lab})$ from 2006Ko28.
10614.2 3	2^{-}	0		$E(n)(\text{lab})=18.8345$ keV 14, $2g\Gamma_n=90$ eV 10, $\Gamma_{\gamma}=0.78$ eV 30. $E(n)(\text{lab})$ from 2006Ko28.
10615.7 3	$(0 \text{ to } 3)^{+}$	1	0.09 2	$E(n)(\text{lab})=20.35$ keV 5, $2g\Gamma_n=0.22$ eV 5.
10616.0 3	$(0 \text{ to } 3)^{+}$	1	0.09 2	$E(n)(\text{lab})=20.67$ keV 5, $2g\Gamma_n=0.22$ eV 5.
10616.7 3	$(0 \text{ to } 3)^{+}$	1	0.31 10	$E(n)(\text{lab})=21.345$ keV 5, $2g\Gamma_n=1.28$ eV 50, incompletely resolved resonance.
10616.9 3	$[1]^{+}$	1	0.56 19	$E(n)(\text{lab})=21.520$ keV 2, $2g\Gamma_n=2.18$ eV 60, incompletely resolved resonance.
10619.9 3	1^{-}	0		$E(n)(\text{lab})=24.553$ keV 6, $2g\Gamma_n=87$ eV 2, $\Gamma_{\gamma}=1.4$ eV 2.
10620.6 3	$(0 \text{ to } 3)^{+}$	1	0.25 5	$E(n)(\text{lab})=25.28$ keV 6, $2g\Gamma_n=1.0$ eV 2.
10621.4 3	$(0 \text{ to } 3)^{+}$	1	0.24 6	$E(n)(\text{lab})=26.10$ keV 6, $2g\Gamma_n=0.92$ eV 23.
10621.8 3	$(0 \text{ to } 3)^{+}$	1	0.18 5	$E(n)(\text{lab})=26.58$ keV 7, $2g\Gamma_n=0.56$ eV 16.
10622.5 3	$(0 \text{ to } 3)^{+}$	1	0.20 5	$E(n)(\text{lab})=27.22$ keV 7, $2g\Gamma_n=0.33$ eV 8.

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$^{61}\text{Ni}(n,\gamma)$:resonances **2018MuZY,2006Ko28** (continued) ^{62}Ni Levels (continued)

E(level) [†]	J ^π	L	$g\Gamma_0\Gamma_\gamma/\Gamma$ (eV) [#]	Comments
10623.0 3	(0 to 3) ⁺	1	0.45 9	E(n)(lab)=27.78 keV 8.
10623.3 3	(0 to 3) ⁺	1	0.35 13	E(n)(lab)=28.078 keV 80, incompletely resolved resonance.
10623.4 3	2 ⁻	0	0.56 2	E(n)(lab)=28.142 keV 3, 2g Γ_n =6.8 eV 8.
10624.2 3	1 ⁻	0		E(n)(lab)=29.000 keV 3, 2g Γ_n =395 eV 5, Γ_γ =1.7 4.
10624.3 3	2 ⁻	0		E(n)(lab)=29.112 keV 5, 2g Γ_n =5.3 eV 15.
10625.3 3	(0 to 3) ⁺	1	0.11 4	E(n)(lab)=30.10 keV 8.
10625.8 3	2 ⁻	0		E(n)(lab)=30.562 keV 3, 2g Γ_n =17 eV 1, Γ_γ =2 eV 1.
10626.2 3	1 ⁻	0		E(n)(lab)=30.9909 keV 4, 2g Γ_n =527 eV 9.
10626.9 3	2 ⁻	0		E(n)(lab)=31.767 keV 4, 2g Γ_n =12.4 eV 15.
10627.8 3	2 ⁻	0		E(n)(lab)=32.636 keV 4, 2g Γ_n =263.0 eV 28.
10628.8 3	1 ⁻	0		E(n)(lab)=33.607 keV 4, 2g Γ_n =35.0 eV 27, Γ_γ =2.8 eV 6.
10629.7 3	[1] ⁺	1		E(n)(lab)=34.540 keV 11, 2g Γ_n =2.54 eV 80.
10631.1 3	(0 to 3) ⁺	1		E(n)(lab)=36.02 keV 10.
10632.1 3	1 ⁻	0		E(n)(lab)=37.028 keV 6, 2g Γ_n =52 eV 10, Γ_γ =2.0 eV 5.
10632.2 3	2 ⁻	0		E(n)(lab)=37.056 keV 5, 2g Γ_n =110 eV 10, Γ_γ =1.5 eV 5.
10632.4 3	[1] ⁺	1		E(n)(lab)=37.333 keV 13, 2g Γ_n =2.7 eV 10.
10636.3 3	1 ⁻	0		E(n)(lab)=41.242 keV 5, 2g Γ_n =136.2 eV 64.
10638.2 3				E(n)(lab)=43.250 keV 47, 2g Γ_n =13 eV 10.
10638.5 3	2 ⁻	0		E(n)(lab)=43.522 keV 5, 2g Γ_n =45 eV 4.
10640.3 3	1 ⁻	0		E(n)(lab)=45.381 keV 17, 2g Γ_n =30 eV 4.
10640.4 3	(2) ⁺	1		E(n)(lab)=45.398 keV 20, 2g Γ_n =17.4 eV 48.
10641.0 3	1 ⁻	0		E(n)(lab)=46.037 keV 6, 2g Γ_n =33.8 eV 30.
10641.5 3	[1] ⁻	0		E(n)(lab)=46.531 keV 12, 2g Γ_n =6.9 eV 15.
10645.3 3	2 ⁻	0		E(n)(lab)=50.3755 keV 56, 2g Γ_n =87.2 eV 50.
10645.5 3	2 ⁻	0		E(n)(lab)=50.594 keV 7, 2g Γ_n =22.2 eV 30.
10646.2 3	[1] ⁺	1		E(n)(lab)=51.300 keV 35, 2g Γ_n =2.6 eV 16.
10646.3 3	[1] ⁺	1		E(n)(lab)=51.442 keV 22, 2g Γ_n =4.4 eV 17.
10647.3 3	[1] ⁺	1		E(n)(lab)=52.455 keV 29, 2g Γ_n =3.2 eV 16.
10648.0 3	2 ⁻	0		E(n)(lab)=53.194 keV 6, 2g Γ_n =179 eV 13.
10649.5 3	1 ⁻	0		E(n)(lab)=54.667 keV 7, 2g Γ_n =149 eV 5.
10651.2 3	2 ⁻	0		E(n)(lab)=56.392 keV 7, 2g Γ_n =158.6 eV 92.
10652.7 3	2 ⁻	0		E(n)(lab)=57.928 keV 8, 2g Γ_n =66 eV 8.
10652.9 3	2 ⁻	0		E(n)(lab)=58.141 keV 8, 2g Γ_n =100 eV 9.
10654.0 3	[1] ⁺	1		E(n)(lab)=59.264 keV 23, 2g Γ_n =6.8 eV 22.
10655.4 3	2 ⁻	0		E(n)(lab)=60.658 keV 12, 2g Γ_n =20.2 eV 32.
10655.5 3	2 ⁻	0		E(n)(lab)=60.816 keV 11, 2g Γ_n =25/0 eV 32.
10657.9 3	[1] ⁺	1		E(n)(lab)=63.227 keV 14, 2g Γ_n =19.0 eV 32.
10658.3 3	[1] ⁺	1		E(n)(lab)=63.659 keV 12, 2g Γ_n =35.0 eV 44.
10658.6 3	2 ⁻	0		E(n)(lab)=63.928 keV 9, 2g Γ_n =659 eV 20. E(n) from 2006Ko28; value of 63.659 in 2018MuZY seems a misprint.
10660.3 3	2 ⁻	0		E(n)(lab)=65.698 keV 10, 2g Γ_n =1461 eV 35.
10662.9 3	2 ⁻	0		E(n)(lab)=68.354 keV 10, 2g Γ_n =428 eV 20.
10664.1 3	2 ⁻	0		E(n)(lab)=69.632 keV 19, 2g Γ_n =40.2 eV 76.
10664.2 3	1 ⁻	0		E(n)(lab)=69.671 keV 39, 2g Γ_n =22.8 eV 80.
10665.3 3	[1] ⁺	1		E(n)(lab)=70.709 keV 25, 2g Γ_n =12.2 eV 36.
10667.4 3	2 ⁻	0		E(n)(lab)=72.916 keV 11, 2g Γ_n =56.0 eV 46.
10671.7 3	2 ⁻	0		E(n)(lab)=77.268 keV 16, 2g Γ_n =348 eV 30.
10671.8 3	1 ⁻	0		E(n)(lab)=77.321 keV 26, 2g Γ_n =202 eV 34.
10673.3 3	[1] ⁺	1		E(n)(lab)=78.929 keV 31, 2g Γ_n =20.8 eV 56.
10673.5 3	2 ⁻	0		E(n)(lab)=79.050 keV 14, 2g Γ_n =123.2 eV 81.
10674.8 3	2 ⁻	0		E(n)(lab)=80.453 keV 42, 2g Γ_n =9.4 eV 40.
10677.2 3	1 ⁻	0		E(n)(lab)=82.879 keV 17, 2g Γ_n =438 eV 32.
10677.5 3	1 ⁻	0		E(n)(lab)=83.125 keV 20, 2g Γ_n =104 eV 22.
10678.4 3	2 ⁻	0		E(n)(lab)=84.025 keV 19, 2g Γ_n =35.0 eV 54.
10681.0 3	[1] ⁺	1		E(n)(lab)=86.750 keV 36, 2g Γ_n =18.6 eV 50.

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$^{61}\text{Ni}(n,\gamma)$:resonances 2018MuZY,2006Ko28 (continued) ^{62}Ni Levels (continued)

E(level) [†]	J ^π	L	Comments
10682.7 3	1 ⁻	0	E(n)(lab)=88.452 keV 29, 2gΓ _n =924 eV 26.
10688.2 3	2 ⁻	0	E(n)(lab)=94.017 keV 16, 2gΓ _n =328 eV 14.
10690.6 3	1 ⁻	0	E(n)(lab)=96.432 keV 29, 2gΓ _n =50 eV 14.
10690.8 3	2 ⁺	1	E(n)(lab)=96.724 keV 24, 2gΓ _n =61 eV 13.
10691.1 3	[1] ⁺	1	E(n)(lab)=96.989 keV 32, 2gΓ _n =38.2 eV 94.
10692.1 3	1 ⁻	0	E(n)(lab)=98.014 keV 22, 2gΓ _n =176 eV 48.
10692.4 3	2 ⁻	0	E(n)(lab)=98.317 keV 23, 2gΓ _n =294 eV 44.
10695.6 3	2 ⁻	0	E(n)(lab)=101.551 keV 26, 2gΓ _n =51.0 eV 82.
10698.6 3	1 ⁻	0	E(n)(lab)=104.62 keV 10, 2gΓ _n =670 eV 66.
10699.1 3	2 ⁻	0	E(n)(lab)=105.150 keV 17, 2gΓ _n =752 eV 36.
10699.9 3	1 ⁻	0	E(n)(lab)=105.929 keV 75, 2gΓ _n =0.95 keV 10.
10702.1 3	2 ⁻	0	E(n)(lab)=108.149 keV 20, 2gΓ _n =216 eV 18.
10703.2 3	[1] ⁺	1	E(n)(lab)=109.255 keV 39, 2gΓ _n =66 eV 17.
10703.4 3	2 ⁻	0	E(n)(lab)=109.462 keV 39, 2gΓ _n =368 eV 32.
10703.9 3	[1] ⁺	1	E(n)(lab)=109.963 keV 39, 2gΓ _n =49 eV 18.
10704.6 3	[1] ⁺	1	E(n)(lab)=110.676 keV 52, 2gΓ _n =27.4 eV 90. Additional information 1.
10706.1 3	2 ⁻	0	E(n)(lab)=112.237 keV 22, 2gΓ _n =1684 eV 44.
10708.3 3	2 ⁻	0	E(n)(lab)=114.473 keV 21, 2gΓ _n =194 eV 15.
10711.1 3	2 ⁻	0	E(n)(lab)=117.329 keV 23, 2gΓ _n =816 eV 44.
10712.0 3	1 ⁻	0	E(n)(lab)=118.213 keV 32, 2gΓ _n =250 eV 32.
10712.7 3	2 ⁻	0	E(n)(lab)=118.957 keV 24, 2gΓ _n =186 eV 17.
10714.2 3	2 ⁻	0	E(n)(lab)=120.458 keV 24, 2gΓ _n =183 eV 16.
10714.9 3	2 ⁻	0	E(n)(lab)=121.203 keV 56, 2gΓ _n =32 eV 11.
10716.5 3	2 ⁻	0	E(n)(lab)=122.824 keV 27, 2gΓ _n =113 eV 14.
10719.1 3	2 ⁻	0	E(n)(lab)=125.438 keV 35, 2gΓ _n =75 eV 13.
10720.6 3	2 ⁻	0	E(n)(lab)=126.996 keV 43, 2gΓ _n =71 eV 16.
10721.0 3	1 ⁻	0	E(n)(lab)=127.415 keV 55, 2gΓ _n =55 eV 18.
10721.7 3	2 ⁻	0	E(n)(lab)=128.120 keV 26, 2gΓ _n =906 eV 44.
10723.7 3	1 ⁻	0	E(n)(lab)=130.110 keV 40, 2gΓ _n =164 eV 30.
10724.4 3	1 ⁻	0	E(n)(lab)=130.799 keV 37, 2gΓ _n =256 eV 70.
10724.7 3	2 ⁻	0	E(n)(lab)=131.116 keV 29, 2gΓ _n =298 eV 54.
10729.6 3	2 ⁻	0	E(n)(lab)=136.113 keV 61, 2gΓ _n =46 eV 14.
10730.7 3	2 ⁻	0	E(n)(lab)=137.184 keV 52, 2gΓ _n =60 eV 15.
10731.6 3	2 ⁻	0	E(n)(lab)=138.198 keV 38, 2gΓ _n =111 eV 17.
10734.2 3	2 ⁻	0	E(n)(lab)=140.760 keV 29, 2gΓ _n =406 eV 30.
10735.3 3	1 ⁻	0	E(n)(lab)=141.915 keV 53, 2gΓ _n =98 eV 22.
10736.0 3	2 ⁻	0	E(n)(lab)=142.638 keV 42, 2gΓ _n =132 eV 124.
10736.7 3	2 ⁻	0	E(n)(lab)=143.344 keV 30, 2gΓ _n =484 eV 34.
10738.5 3	2 ⁻	0	E(n)(lab)=145.136 keV 97, 2gΓ _n =31 eV 15.
10740.6 3	1 ⁻	0	E(n)(lab)=147.315 keV 53, 2gΓ _n =132 eV 24.
10741.1 3	2 ⁻	0	E(n)(lab)=147.830 keV 33, 2gΓ _n =674 eV 40.
10742.6 3	2 ⁻	0	E(n)(lab)=149.346 keV 71, 2gΓ _n =52 eV 17.
10746.2 3	2 ⁻	0	E(n)(lab)=153.012 keV 35, 2gΓ _n =338 eV 38.
10747.0 3	1 ⁻	0	E(n)(lab)=153.829 keV 59, 2gΓ _n =170 eV 40.
10747.9 3	2 ⁻	0	E(n)(lab)=154.732 keV 55, 2gΓ _n =114 eV 26.
10748.4 3	2 ⁻	0	E(n)(lab)=155.240 keV 42, 2gΓ _n =192 eV 28.
10749.6 3	1 ⁻	0	E(n)(lab)=156.448 keV 82, 2gΓ _n =78 eV 28.
10752.2 3	1 ⁻	0	E(n)(lab)=159.062 keV 57, 2gΓ _n =194 eV 42.
10753.0 3	2 ⁻	0	E(n)(lab)=159.951 keV 39, 2gΓ _n =854 eV 60.
10754.8 3	2 ⁻	0	E(n)(lab)=161.751 keV 37, 2gΓ _n =688 eV 48.
10757.7 3	1 ⁻	0	E(n)(lab)=164.725 keV 57, 2gΓ _n =462 eV 62.
10759.6 3	1 ⁻	0	E(n)(lab)=166.600 keV 60, 2gΓ _n =242 eV 44.
10760.5 3	2 ⁻	0	E(n)(lab)=167.565 keV 42, 2gΓ _n =394 eV 40.
10763.7 3	2 ⁻	0	E(n)(lab)=170.739 keV 43, 2gΓ _n =520 eV 56.

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$^{61}\text{Ni}(n,\gamma)$:resonances **2018MuZY,2006Ko28** (continued) ^{62}Ni Levels (continued)

E(level) [†]	J ^π	L	Comments
10766.0 3	2 ⁻	0	E(n)(lab)=173.094 keV 44, 2gΓ _n =1.13 keV 17.
10766.9 3	1 ⁻	0	E(n)(lab)=174.08 keV 14, 2gΓ _n =1.46 keV 28.
10769.7 3	1 ⁻	0	E(n)(lab)=176.912 keV 73, 2gΓ _n =166 eV 38.
10772.3 3	2 ⁻	0	E(n)(lab)=179.538 keV 46, 2gΓ _n =740 eV 56.
10774.6 3	2 ⁻	0	E(n)(lab)=181.834 keV 52, 2gΓ _n =252 eV 36.
10776.4 3	2 ⁻	0	E(n)(lab)=183.716 keV 66, 2gΓ _n =146 eV 30.
10778.2 3	1 ⁻	0	E(n)(lab)=185.51 keV 11, 2gΓ _n =102 eV 38.
10781.5 3	2 ⁻	0	E(n)(lab)=188.825 keV 50, 2gΓ _n =504 eV 52.
10786.4 3	1 ⁻	0	E(n)(lab)=193.897 keV 88, 2gΓ _n =224 eV 56.
10787.7 3	2 ⁻	0	E(n)(lab)=195.181 keV 54, 2gΓ _n =584 eV 62.
10790.9 3	2 ⁻	0	E(n)(lab)=198.400 keV 58, 2gΓ _n =442 eV 56.
10793.2 3	1 ⁻	0	E(n)(lab)=200.82 keV 11, 2gΓ _n =168 eV 54.
10795.9 3	2 ⁻	0	E(n)(lab)=203.547 keV 65, 2gΓ _n =376 eV 58.
10798.4 3	[1] ⁺	1	E(n)(lab)=206.10 keV 11, 2gΓ _n =226 eV 60.
10799.0 3	1 ⁻	0	E(n)(lab)=206.69 keV 11, 2gΓ _n =356 eV 96.
10800.5 3	[1] ⁺	1	E(n)(lab)=208.223 keV 92, 2gΓ _n =292 eV 76.
10802.1 3	3 ⁺	1	E(n)(lab)=209.856 keV 59, 2gΓ _n =440 eV 62.
10802.9 3	2 ⁻	0	E(n)(lab)=210.618 keV 77, 2gΓ _n =2.20 keV 22.
10804.5 3	3 ⁺	1	E(n)(lab)=212.306 keV 59, 2gΓ _n =0.89 keV 11.
10805.8 3	[1] ⁺	1	E(n)(lab)=213.57 keV 13, 2gΓ _n =128 eV 56.
10807.0 3	2 ⁻	0	E(n)(lab)=214.83 keV 10, 2gΓ _n =6.72 keV 28.
10810.2 3	2 ⁻	0	E(n)(lab)=218.063 keV 82, 2gΓ _n =402 eV 78.
10812.4 3	2 ⁻	0	E(n)(lab)=220.253 keV 68, 2gΓ _n =750 eV 92.
10817.0 3	2 ⁻	0	E(n)(lab)=225.019 keV 89, 2gΓ _n =304 eV 64.
10819.1 3	2 ⁻	0	E(n)(lab)=227.127 keV 74, 2gΓ _n =2.01 keV 17.
10822.6 3	2 ⁻	0	E(n)(lab)=230.627 keV 76, 2gΓ _n =2.04 keV 30.
10824.3 4	2 ⁻	0	E(n)(lab)=232.35 keV 23, 2gΓ _n =0.40 keV 26.
10824.4 5	1 ⁻	0	E(n)(lab)=232.45 keV 39, 2gΓ _n =0.54 keV 32.
10827.7 3	2 ⁻	0	E(n)(lab)=235.825 keV 91, 2gΓ _n =376 eV 96.
10828.4 3	1 ⁻	0	E(n)(lab)=236.53 keV 16, 2gΓ _n =0.30 keV 15.
10832.1 3	2 ⁻	0	E(n)(lab)=240.36 keV 13, 2gΓ _n =334 eV 86.
10832.2 5	1 ⁻	0	E(n)(lab)=240.44 keV 35, 2gΓ _n =0.60 keV 22.
10845.6 3	2 ⁻	0	E(n)(lab)=253.990 keV 94, 2gΓ _n =560 eV 94.
10849.8 3	1 ⁻	0	E(n)(lab)=258.26 keV 17, 2gΓ _n =1.53 keV 38.
10851.3 3	2 ⁻	0	E(n)(lab)=259.82 keV 16, 2gΓ _n =2.29 keV 20.
10855.2 3	2 ⁻	0	E(n)(lab)=263.78 keV 12, 2gΓ _n =376 eV 88.
10858.6 3	2 ⁻	0	E(n)(lab)=267.23 keV 14, 2gΓ _n =264 eV 76.
10868.6 3	2 ⁻	0	E(n)(lab)=277.44 keV 15, 2gΓ _n =268 eV 78.
10876.0 3	2 ⁻	0	E(n)(lab)=284.97 keV 16, 2gΓ _n =320 eV 94.
10878.8 3	2 ⁻	0	E(n)(lab)=287.82 keV 12, 2gΓ _n =0.69 keV 13.
10882.4 3	2 ⁻	0	E(n)(lab)=291.47 keV 14, 2gΓ _n =0.50 keV 12.
10884.3 3	2 ⁻	0	E(n)(lab)=293.37 keV 17, 2gΓ _n =0.37 keV 13.
10885.6 3	2 ⁻	0	E(n)(lab)=294.74 keV 13, 2gΓ _n =0.75 keV 16.
10888.1 3	2 ⁻	0	E(n)(lab)=297.21 keV 14, 2gΓ _n =0.49 keV 13.
10891.1 3	2 ⁻	0	E(n)(lab)=300.30 keV 14, 2gΓ _n =0.49 keV 13.
10970? [‡] 20	2 ⁻	0	E(n)(lab)=380 keV 20, 2gΓ _n =86 keV 32.
11009? [‡] 20	2 ⁻	0	E(n)(lab)=420 keV 20, 2gΓ _n =314 keV 15.

[†] S(n)(^{62}Ni)+E(n)(c.m.); S(n)=10595.7 3 (2021Wa16). E(n)(c.m.)=E(n)(lab)[mass of ^{61}Ni /(mass of neutron+mass of ^{61}Ni)].[‡] Fictitious resonance to obtain a good fit at high energy (2018MuZY); level is not included in the Adopted Levels.

From 2018MuZY.