

$^{128}\text{Xe}(n,\gamma),(n,n)$:resonances **2006MuZX**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Janos Timar and Zoltan Elekes, Balraj Singh		NDS 121, 143 (2014)	31-May-2014

All data are from [2006MuZX](#) evaluation.

 ^{129}Xe Levels

E(level) [†]	J ^π	Γ	L	Comments
S(n)-0.0297?	1/2 ⁺		0	E(level): fictitious level.
S(n)+0.10017 10	1/2 ⁺		0	$g\Gamma_n=0.0063$ eV 25.
S(n)+0.23800 24	1/2 ⁺	0.39 eV 8	0	$g\Gamma_n=0.320$ eV 20.
S(n)+0.3415 3	1/2 ⁺		0	$g\Gamma_n=0.038$ eV 4.
S(n)+0.3708 4	1/2 ⁺		0	$g\Gamma_n=0.046$ eV 10.
S(n)+0.5174 5				
S(n)+0.5545 6	1/2 ⁺		0	$g\Gamma_n=0.152$ eV 17.
S(n)+0.7160 7	1/2 ⁺		0	$g\Gamma_n=3.60$ eV 15.
S(n)+1.3650 14	1/2 ⁺		0	$g\Gamma_n=0.17$ eV 3.
S(n)+1.4084 14	1/2 ⁺		0	$g\Gamma_n=0.17$ eV 7.
S(n)+1.6099 16	1/2 ⁺		0	$g\Gamma_n=0.39$ eV 8.
S(n)+2.2076 22	1/2 ⁺		0	$g\Gamma_n=0.34$ eV 5.
S(n)+2.756 3	1/2 ⁺		0	$g\Gamma_n=0.99$ eV 25.
S(n)+2.771 3	1/2 ⁺		0	$g\Gamma_n=1.00$ eV 25.
S(n)+3.441 3	1/2 ⁺		0	$g\Gamma_n=2.4$ eV 4.

[†] S(n)(^{129}Xe)=6907.1 11 ([2012Wa38](#)). Excitation energies are from 6906.97 to 6910.41 keV.