

<sup>70</sup>Ge(n,n),(n,γ):resonances 2018MuZY

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen		NDS 188,1 (2023)	17-Jan-2023

All data are from 2018MuZY evaluation.

<sup>71</sup>Ge Levels

E(level) <sup>†</sup>	J <sup>π‡</sup>	L	Comments
7415.46? 11	1/2 <sup>+</sup>	0	E(level): fictitious level from E(n)(lab)=-0.489.
7417.03 11	1/2 <sup>+</sup>	0	E(n)(lab)=1.118 2, gΓ <sub>n</sub> =4.6 eV 10, Γ <sub>γ</sub> =0.160 eV 25, gΓ <sub>n</sub> Γ <sub>γ</sub> /Γ=0.155 eV 25.
7417.39 11	1/2 <sup>+</sup>	0	E(n)(lab)=1.474 5, gΓ <sub>n</sub> =0.70 eV 12, Γ <sub>γ</sub> =0.150 eV 25, gΓ <sub>n</sub> Γ <sub>γ</sub> /Γ=0.124 eV 25.
7417.85 11	(1/2 <sup>-</sup> , 3/2 <sup>-</sup> )	(1)	E(n)(lab)=1.935 8, gΓ <sub>n</sub> =0.030 eV 6.
7419.05 11	(1/2 <sup>-</sup> , 3/2 <sup>-</sup> )	(1)	E(n)(lab)=3.157 15, gΓ <sub>n</sub> =0.046 eV 10.
7420.11 11	(1/2 <sup>-</sup> , 3/2 <sup>-</sup> )	(1)	E(n)(lab)=4.230 25, gΓ <sub>n</sub> =0.055 eV 25.
7420.28 11	1/2 <sup>+</sup>	0	E(n)(lab)=4.397 12, gΓ <sub>n</sub> =5.4 eV 8, Γ <sub>γ</sub> =0.185 eV 40.
7421.46 11	1/2 <sup>+</sup>	0	E(n)(lab)=5.603 15, gΓ <sub>n</sub> =29 eV 4.
7422.64 11	1/2 <sup>+</sup>	0	E(n)(lab)=6.795 17, gΓ <sub>n</sub> =15 eV 3.
7424.52 11	1/2 <sup>+</sup>	0	E(n)(lab)=8.703 21, gΓ <sub>n</sub> =45 eV 7.
7425.76 12	1/2 <sup>+</sup>	0	E(n)(lab)=9.963 40, gΓ <sub>n</sub> =50 eV 10.
7426.16 12	1/2 <sup>+</sup>	0	E(n)(lab)=10.370 45, gΓ <sub>n</sub> =60 eV 15.
7426.83 12	1/2 <sup>+</sup>	0	E(n)(lab)=11.040 45, gΓ <sub>n</sub> =8.3 eV 47.
7427.63 12	1/2 <sup>+</sup>	0	E(n)(lab)=11.835 50, gΓ <sub>n</sub> =22 eV 10.
7429.04 12	1/2 <sup>+</sup>	0	E(n)(lab)=13.286 50, gΓ <sub>n</sub> =95 eV 15.
7434.28 12	1/2 <sup>+</sup>	0	E(n)(lab)=18.620 50, gΓ <sub>n</sub> =72 eV 6.
7439.67 13	1/2 <sup>+</sup>	0	E(n)(lab)=24.068 65, gΓ <sub>n</sub> =77 eV 8.
7441.60 13	1/2 <sup>+</sup>	0	E(n)(lab)=26.030 70, gΓ <sub>n</sub> =110 eV 10.
7443.44 14	1/2 <sup>+</sup>	0	E(n)(lab)=27.890 75, gΓ <sub>n</sub> =150 eV 20.
7444.66 14	1/2 <sup>+</sup>	0	E(n)(lab)=29.130 78, gΓ <sub>n</sub> =70 eV 20.
7451.99 16			E(n)(lab)=36.570 98, gΓ <sub>n</sub> =100 eV.
7455.70 16			E(n)(lab)=40.330 110, gΓ <sub>n</sub> =168 eV.

<sup>†</sup> S(n)+E(n)(c.m.), where S(n)=7415.94 11 (2021Wa16).

<sup>‡</sup> From assignment of s-wave (L=0) capture.