Adopted Levels

		History	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	C. Morse	NDS 182, 167 (2022)	14-Sep-2021

 $S(n)=6885 SY; S(p)=1605 SY; Q(\alpha)=1.151\times 10^4 3$ 2021Wa16

 $\Delta S(n)=303$, $\Delta S(p)=235$ (2021WA16).

S(2n)=15188 SY 206, S(2p)=2401 SY 100, Q(ep)=4578 SY 302 (2021WA16).

 269 Ds has been observed in the 208 Pb(62 Ni,n) reaction at GSI (1995HO03). Events were identified based on the observation of chains of α -decaying nuclei, correlated in time and position. Comparison of the decay properties of the chains with the literature allowed individual decays to be assigned to specific nuclei.

The data from 1995HO03 was reanalyzed in 2002HO11, and the left-most event in Fig. 5 was found to be reported in error. Half-lives, branching ratios, and α -decay energies in this evaluation have been computed from the individual events listed in the references above. Half-life uncertainties have been computed according to the method of 1984SC13. An additional 10 keV systematic uncertainty is assumed for the α -decay energies, which is added in quadrature to the averaged statistical uncertainty.

²⁶⁹Ds Levels

E(level)	T _{1/2}	Comments	
0	0.18 ms +21-6	$\% \alpha = 100; \% SF \le 25$	
		E(level): Assumed ground state.	
		$T_{1/2}$: From three events.	