

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia and A. M. Hurst		NDS 134, 1 (2016)	1-Feb-2016

S(p)=-50 SY; Q(α)=-8690 SY [2012Wa38](#)

S(p)=50 (syst) 720 (syst), Q(α)=-8690 (syst) 780 (syst) ([2012Wa38](#)).

[2011Fo08](#): $^9\text{Be}(^{32}\text{S}, X\gamma) - ^{32}\text{S}$ beam, E=50.3 MeV/nucleon, from bombarded a ^9Be target (thickness 92.4 mg/cm²). Fragments were separated by ACCULINNA separator at JINR, Dubna facility. Time-of-flight- ΔE and ΔE -E techniques using plastic scintillators and Si strip detectors were used to identify fragments. The separator was tuned to optimum transmission of ^{26}S , ^{27}S , ^{28}S and ^{29}S . Total time of flight through the separator was 314-322 ns.

From systematics of fragmentation cross sections, 16 +6-4 events expected for ^{26}S , but no events could be ascribed to this nuclide.

 ^{26}S Levels

E(level)	J $^\pi$	T _{1/2}	Comments
0.0?	0 ⁺	<79 ns	%p=? T _{1/2} : Estimated from flight time of 314-322 ns, Poisson statistics of the observed distribution (2011Fo08) of one to four events. At 98% confidence level, T _{1/2} <157 ns. Based on experimental half-life limit, 2011Fo08 deduce Q(2p)>640 keV in absence of one-proton decay branch, and >230 keV if one-proton decay branch is allowed (2011Fo08).