

^{35}S β^- decay (87.37 d)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, John Cameron and Balraj Singh		NDS 112,2715 (2011)	20-Oct-2011

Parent: ^{35}S : $E=0$; $J^\pi=3/2^+$; $T_{1/2}=87.37$ d 4; $Q(\beta^-)=167.33$ 3; $\%\beta^-$ decay=100.0

^{35}S - $Q(\beta^-)$: From [2011AuZZ](#). Other: 167.18 9 ([2003Au03](#)).

^{35}S - $J^\pi, T_{1/2}$: From Adopted Levels of ^{35}S .

[1983Ra04](#): $Q=166.74$ keV 26.

[1985Ap01](#): $Q=167.29$ keV 3.

[1985Oh06](#): $Q=167.4$ keV 1.

[1985A111](#): Upper limit for 17 keV neutrino: 0.4%.

[1985Oh06](#), [1992Hi06](#), [1993Ab11](#), [1993Be21](#): Deduced no 17 keV neutrino emission evidence [1993Mo01](#): Deduced evidence against 17 keV neutrino.

[1994Bo33](#): Deduced spurious 17 keV neutrino signal origin.

[1995Bo43](#): $Q=167.60$ keV 5; upper limit for 17 keV neutrino: 0.18%.

[1995Mo17](#): proposed 17 keV neutrino hypothesis exclusion.

Others: [2008Al39](#), [2000Ho13](#), [1999Oh09](#), [1996Je06](#), [1994Gr04](#), [1994Ho35](#), [1994Mu26](#), [1993Gi08](#), [1993Gr07](#), [1992Ch27](#), [1989Ba04](#), [1989Ta08](#), [1988Ch45](#), [1987Ge04](#), [1987Na22](#), [1985Ma59](#), [1999Pa18](#).

This decay leads only to the ground state of ^{35}Cl .

 ^{35}Cl Levels

E(level)	J^π	Comments
0	$3/2^+$	J^π : from Adopted Levels.

 β^- radiations

E(decay)	E(level)	$I\beta^-^\dagger$	Log ft	Comments
(167.33 3)	0	100	5.0088 7	av $E\beta=48.758$ 23

† Absolute intensity per 100 decays.