^{39}Sc p decay:? 1994Bl10,1989LiZF

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 152, 1 (2018)	30-Sep-2017

Parent: ^{39}Sc: E=0; $J^{\pi}=(7/2^{-})$; $T_{1/2}<300$ ns; Q(p)=597 *24*; %p decay=100.0

^{39}Sc-J^{π},$T_{1/2}$: From Adopted Levels of ^{39}Sc. J^{π} is from systematics (1992Mo15, 2017Au03); $T_{1/2}$ is from the limit of time-of-flight=300 ns in 1994Bl10. Other: $T_{1/2}<130$ ns (1989LiZF).

^{39}Sc-Q(p): From 2017Wa10.

^{39}Sc-%p decay: %p=100 (most probably pure proton emitter, 2017Wa10).

1989LiZF: in ^{9}Be(^{40}Ca,X) reaction at 26 MeV/nucleon, the authors searched for ^{39}Sc; only an upper limit for its yield was established from which $T_{1/2}<130$ ns was deduced.

1994Bl10: ^{39}Sc was not detected in ^{9}Be(^{58}Ni,X) at 650 MeV/nucleon with time-of-flight of 300 ns.

^{39}Sc is expected to decay 100% by proton decay to ^{38}Ca.