Adopted Levels: not observed

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh, Huang Xiaolong, and Wang Xianghan	NDS 204,1 (2025)	30-Jun-2023

Q(β^-)=−14180 *calc*; S(n)=15290 *syst*; S(p)=−2080 *syst*; Q(α)=−3310 *syst*   2021Wa16,2019Mo01

Q(β^-) from 2019Mo01. S(n), S(p) and Q(α) from 2021Wa16.

Estimated uncertainties (2021Wa16): 420 for S(n), S(p) and Q(α).

Q(ε)=17720 *330*, Q(εp)=15430 *300*, S(2n)=34920 *500*, S(2p)=−590 *360* (syst,2021Wa16).

No experimental work for ^{62}As isotope seems to have appeared in literature.

Although, existence of ^{62}As nuclide has not been determined experimentally, it is included here for the sake of completeness of the isobaric A=62 chain.

Theoretical calculations: four primary references for structure calculations, and four for decay characteristics have been retrieved from the NSR database at www.nndc.bnl.gov/nsr/, which are listed in this dataset under 'document' records.

Additional information 1.

^{62}As Levels

E(level)	Comments
0?	^{62}As g.s. is likely to be a proton emitter from S(p)=−2080 *420* (2021Wa16). Theoretical T$_{1/2}$(β decay)=22 ms (2019Mo01). J^{π}=1$^+$,2$^+$ (2019Mo01, theory); 1$^+$ from systematics (2021Ko07).