

^{41}P β^- decay (101 ms) [1998WiZV](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja, E. A. Mccutchan		NDS 133, 1 (2016)	30-Sep-2015

Parent: ^{41}P : $E=0.0$; $T_{1/2}=101$ ms 5; $Q(\beta^-)=1.403\times 10^4$ 8; $\% \beta^-$ decay=100.0

^{41}P activity from fragmentation of a ^{48}Ca beam with $E=70$ MeV/nucleon and 80 MeV/nucleon. Fragments separated with the A1200 separator and implanted into Al targets. Measured E_γ , γ - β coincidences using two HPGe and a thin plastic scintillator.

Main γ rays from the decay of ^{41}P are listed by [1998WiZV](#), but no level scheme is available. ^{41}P also decays to ^{40}S by β^-n with $\% \beta^-n=30$ 10 ([1989Le16](#)).

Other: [1989Le16](#).

 $\gamma(^{41}\text{S})$

E_γ [†]
^x 329.1 7
^x 501.9 7
^x 569.6 7
^x 903.5 [‡] 7
^x 1307.5 7
^x 1613.7 7

[†] From [1998WiZV](#).

[‡] Possibly the same as a 904 γ observed in Coulomb excitation.

^x γ ray not placed in level scheme.