

^{31}Ar $\beta^+3\text{p}$ decay 1992Ba01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 114, 1189 (2013)	1-Apr-2013

Parent: ^{31}Ar : $E=0.0$; $J^\pi=5/2^+$; $T_{1/2}=14.4$ ms 6; $Q(\beta^+3\text{p})=10920$ SY; $\% \beta^+3\text{p}$ decay=2.1 10

1992Ba01: ^{31}Ar was produced from an ^{36}Ar beam, 85 MeV/nucleon, on a ^{58}Ni target and ^{31}Ar was selected by the LISE spectrometer; a particle telescope composed of 3 Si detectors; measured proton spectra, deduced proton branching.

 ^{28}Si Levels

E(level)	J^π	$T_{1/2}$
0.0	0^+	stable

Delayed Protons (^{28}Si)

E(p)	E(^{28}Si)	I(p) [†]	E(^{31}Cl)	Comments
4870	0.0	2.1 10	12340	Summed proton energy.

[†] For absolute intensity per 100 decays, multiply by 0.021 10.

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I(p) Intensities: Relative I(p)

