

Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111,1619 (2010)	20-Jan-2009

Q(β^-)=8220 13; S(n)=3973 4; S(p)=1.466×10⁴ syst; Q(α)=-9.1×10³ 6 [2012Wa38](#)
 Note: Current evaluation has used the following Q record 8135 SY4179 syst 14312 syst -8675 syst [2009AuZZ](#).
 $\Delta Q(\beta^-)$ =503, $\Delta S(n)$ =513, $\Delta S(p)$ =780, $\Delta Q(\alpha)$ =861 (syst,[2009AuZZ](#)).
 Q(β^-n)=1321 503 (syst,[2009AuZZ](#)).

[2006Mo07](#): ¹²¹Pd produced and identified in ⁹Be(¹³⁶Xe,X) reaction at E(¹³⁶Xe)=121.8 MeV/nucleon. fragment separator, Si(PIN) detectors, Si strip detectors, single-sided Si strip detectors; Implantation and decay events were time stamped and correlated; measured half-life from β spectrum.

[2007To23](#); ⁹Be(¹³⁶Xe,X) E(¹³⁶Xe)=120 MeV/nucleon; fragment separator; Si(PIN), Si strip and single-sided Si strip detectors; measured 135 keV γ from a isomer; no information is given on half-life.

[1997So07](#); ²⁰⁸Pb(²³⁸U,X) E=20 MeV/nucleon; fragment separator, tof, position sensitive detector; measured yield; no information is given on decay properties.

[1998Do08](#); ²⁰⁸Pb(²³⁸U,X) E=750 MeV/nucleon; fragment separator, tof; measured yield; no information is given on decay properties.

[2004Ge18](#): ²⁰⁸Pb(²³⁸U,X), ²⁰⁹Bi(²³⁸U,X); fragment separator, tof, Schottky mass separator; measured mass; no information is given on decay properties.

¹²¹Pd Levels

Cross Reference (XREF) Flags

A ¹²¹Pd IT decay

E(level)	T _{1/2}	XREF	Comments
0	285 ms 24		% β^- =100; % β^-n ≤0.8 (2006Mo07) E(level): assumed as the g.s.(evaluator). T _{1/2} : from 2006Mo07 .
135?		A	E(level): The evidence of the isomer is reported by 2007To23 , however no information is given on the half-life.

γ (¹²¹Pd)

E _i (level)	E _{γ}	E _f	Comments
135?	135	0	E _{γ} : from 2007To23 .

Adopted Levels, GammasLevel Scheme