

¹¹⁵Xe ε decay (18 s) 1969Ha03

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 2391 (2012)	1-Sep-2012

Parent: ¹¹⁵Xe: E=0.0; J^π=(5/2⁺); T_{1/2}=18 s 4; Q(ε)=7680 30; %ε+%β⁺ decay=?

Others: 1971Ho07, 1972Ho18, 1973LiZB.

¹¹⁵Xe source: cerium(p,spallation) E=600 MeV, on-line ms.

See 1972Ho18 for β⁺/delayed-p ratio data via ¹¹⁵Xe decay.

β-delayed p branching from ¹¹⁶Cs g.s. (3.9 s or 0.7 s): %β⁺p=0.36 8 (1978Da07); (p)(55,107,318,580,590γ)-coin observed.

Other: p/β⁺=0.66 13 for 3.9 s ¹¹⁶Cs (1977Bo28,1975Bo11).

¹¹⁵I Levels

E(level)	J ^π	T _{1/2}	Comments
0.0	(5/2 ⁺)	1.3 min 2	J ^π : from Adopted Levels. T _{1/2} : 1.3 min 2 (1969Ha03) on-line ms of ¹¹⁵ Xe produced by 600-MeV p spall. Other: 24 s 3 (1973LiZB,1974SpZX) on-line ms.