

<sup>116</sup>Xe ε decay

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jean Blachot	NDS 111, 717 (2010)	1-Dec-2009

Parent: <sup>116</sup>Xe: E=0.0; J<sup>π</sup>=0<sup>+</sup>; T<sub>1/2</sub>=59 s 2; Q(ε)=4.45×10<sup>3</sup> 10; %ε+%β<sup>+</sup> decay=100.0

Activity: <sup>104</sup>Pd(<sup>16</sup>O,4nγ), on-line ms ([1974Ha10](#),[1976Go02](#)).

Measured: γ, T<sub>1/2</sub>, Eβ, semi.

E(β<sup>+</sup>)=3320 200 ([1976Go02](#)).

E(β<sup>+</sup>)=3040 120 ([1970BeYT](#)).

The 8 γ's are not placed in a level scheme.

γ(<sup>116</sup>I)

<u>E<sub>γ</sub><sup>†</sup></u>	<u>I<sub>γ</sub><sup>†</sup></u>
<sup>x</sup> 104.5 2	100
<sup>x</sup> 191.6 2	38 5
<sup>x</sup> 226.4 2	29 3
<sup>x</sup> 247.7 3	40 5
<sup>x</sup> 300.0 4	12 1
<sup>x</sup> 310.7 4	42 3
<sup>x</sup> 412.7 2	36 6
<sup>x</sup> 923 1	25 8

<sup>†</sup> From [1973XeZY](#). See also [1974Ha10](#); 104γ also from [1969Ha03](#).

<sup>x</sup> γ ray not placed in level scheme.