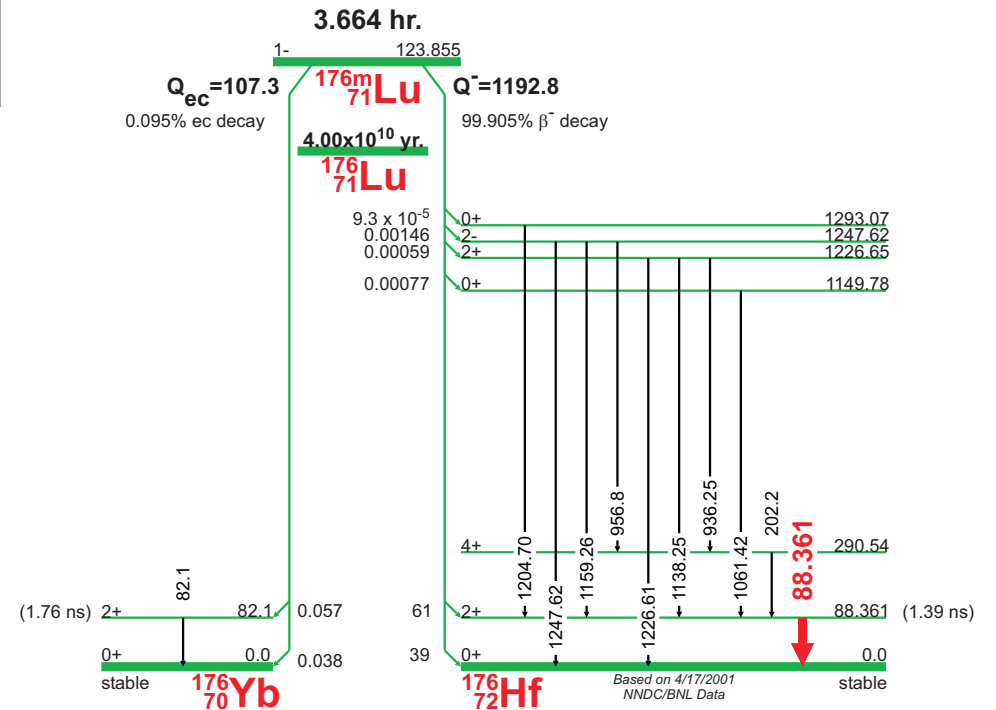


# $^{176m}\text{Lu}$ (432.2 yr.) Decay Scheme



## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide:  $^{176m}\text{Lu}$

Half Life: 3.664(19) hr.

$E_{\gamma}$ (keV)	$\sigma E_{\gamma}$	$I_{\gamma}$	$\sigma I_{\gamma}$	Level	
82.1		0.007 0	0.001 4	82.1	ec
<b>88.361</b>	<b>0.009</b>	<b>8.9</b>	<b>0.4</b>	<b>88.361</b>	<b><math>\beta^-</math></b>
202.2	0.3	0.000 70	$\leq$	290.54	$\beta^-$
936.25	0.20	0.000 220	0.000 013	1,226.65	$\beta^-$
956.8	0.3	0.000 045	0.000 006	1,247.62	$\beta^-$
1,061.42	0.08	0.000 762	0.000 025	1,149.78	$\beta^-$
1,138.25	0.15	0.000 234	0.000 015	1,226.65	$\beta^-$
1,159.26	0.07	0.001 391	0.000 035	1,247.62	$\beta^-$
1,204.70	0.18	0.000 093	0.000 007	1,293.07	$\beta^-$
1,226.61	0.16	0.000 132	0.000 007	1,226.65	$\beta^-$
1,247.62	0.09	0.000 021	0.000 004	1,247.62	$\beta^-$

$E_{\gamma}$ ,  $\sigma E_{\gamma}$ ,  $I_{\gamma}$ ,  $\sigma I_{\gamma}$ . Levels from ENSDF Database as of April 17, 2001

① These  $I_{\gamma}$  are per 100 Decays of  $^{176m}\text{Lu}$ .

② For  $\beta^-$  total uncertainty add 1.65% systematic component in quadrature, based on the normalization factor 0.00001391(23)

③ For EC total uncertainty add 17% systematic component in quadrature, based on the normalization factor 0.00095(16)

