RECOMMENDED VALUES AND UNCERTAINTIES

The main steps for the evaluation of the data and their uncertainties are :

- a critical analysis of all available original publications in order to accept or not each value and its uncertainty reduced to the combined standard uncertainty ;
- the determination of the best value which is either the weighted or the unweighted average of the retained values, this is decided after examination of the reduced χ^2 value. With a weighted average, each weight is limited to 50 %. The uncertainty, designated uc, is the greatest of the internal or external uncertainty values. For a discrepant set of data, it may be expanded to cover the most precise input value.

For some applications it may be necessary to define an expanded uncertainty, designated U, as :
$U(y) = k.uc(y)$ where k is the coverage factor.
For this publication the expanded uncertainty is computed with k = 1.

The value of the uncertainty, in parentheses, referred to the corresponding last digits, i.e. :
9,230 (11) means 9,230 ± 0,011 and
9,2 (11) 9,2 ± 1,1

If a value is given without an uncertainty, this means that this value is considered as questionable. It is provided for information and was often estimated from the decay scheme as to be "in the order of".

NUMBERING

The nuclear levels are arbitrarily numbered from 0 for the ground state level to n for the nth excited level. All the transitions are designated by their initial and final level.
For transitions with weak probabilities which are not shown by an arrow in the decay scheme, the initial and final levels are noted (-1, n).
For the 511 keV gamma emission which follows the beta plus disintegration, the adopted numbering is (-1, -1).

UNITS

The recommended values are expressed :

- for half-lives :

	Units
. in seconds for $T_{1/2} \leq 60$ seconds	s
. in minutes for $T_{1/2} > 60$ seconds	min
. in hours for $T_{1/2} > 60$ minutes	h
. in days for $T_{1/2} > 24$ hours	d
. in years for $T_{1/2} > 365$ days	a

1 year = 365,242 198 days = 31 556 926 seconds

- for transition probabilities and number of emitted particles, the values are given for 100 disintegrations ;

- for energies the values are expressed in keV.