Evaluator Reminders11/06

*Jagdish Tuli**
National Nuclear Data Center
Brookhaven National Laboratory

**Email: Tuli@bnl.gov*

Reminders-Adopted

Adopted Properties

Q-record – must be given -even if nothing known

Values from Audi masses, explanation if from other source, give Audi values for comparison

Give Systematic uncertainties as comments.

Reminders-Adopted

XREF even if only one data set with gammas

BAND Identification only on first record

Reminders-Adopted

Adopted Properties

Levels:

GS and Isomers: Decay Modes and moments must be given, if known, on the continuation records. Any comments on these should be on the comment records only.

Isomer is a level with T1/2>=0.1 S or if it has an IT dataset

Reminders-extraction of data

- Quote authors' measured quantities
- Document any deviations
- Note authors' assumptions
- Check for missed references
- Check authors' quoted older values

Reminders-presentation of data-1

- Order of Comments
- E= not required for reaction DSID
- Target JPI should be given
- Keyno: measured, etc.
- Do not combine different kind of data sets
- Specify source of data

Reminders-presentation-2

- Gammas order by increasing Eg
- Significant digits
- Uncertainty limited to 25
- Multiplets
- BEL up for levels, down for gammas
- Delayed gammas-give as IT decay

Reminders-presentation-3

- Normalization condition should be given
- Parent record, all fields should be given
- Replace `/' by `:' for multiple ratios
- Unresolved discrepancies should be pointed out
- Uncertainty not error
- E(ec),E(b-) only when accurate, measured

Reminders-Systematics

- LogT1/2(alpha) vs Log E(alpha) is linear
- Takahashi's gross beta decay theory reliable to better than a factor of 3
- Alpha Decay HF
- Certain pairs of conf lead to isomeric transitions
- GS feeding from local systematics
- Mass syst from Audi

Reminders-Style

- APS style adopted
- Accepted abbreviations
- Key no. is plural. Space after `,'