

~~Text~~ Joe

4-C-MEMO Nr. 4/5

agrees completely
with X4-2 and X4-11
4C-3174.

Subject: 4-C-Memos Nr. 3/10, Nr. 1/8 and Nr. 2/7.

From: V.I. Popov

Date: March 13, 1970

We consider that it is possible to introduce GND and MS but these modifiers must reflect the real conditions of experiment and characterize the measured values, viz.:

1. GND is to be used only in the case when the measured value characterizes the nuclear cross-over transition into ground state.

2. If the value measured characterizes mixed transitions (directly to the ground state plus intermediate ones plus metastable states) then corresponding field of ISO-QUANT is blank.

3. If the value measured characterizes the transition only to the metastable state then MS is used.

4. We drop MSI, MS2, ... because it hampers the retrieval.

5. NP/CS, DA, GND means that the cross-section for (N,P) reaction was measured when the nucleus directly after escape of a proton remained in the ground state (in reality such a process is not possible because of the disturbance of conservation laws).

6. If the authors are not interested in the nucleus state after escape of a particle (e.g., at elastic and inelastic neutron scattering) then the corresponding field of ISO-QUANT remains blank.

7. RMT, RGT and RMG must be handled by the ISO-QUANT

combination rules.

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