

4C-3/128
1975-6-27

Memo 4C-3/128

To: Distribution
From: H.D. Lemmel *Lammel*
Subject: Half-Lives in Exfor
Reference: 4C-1/57

We appreciate the comments on the coding of half-lives in our entries. But we do not agree to the "general comment" given in 4C-1/57. Our position is as follows:

"Half-life values in Exfor entries serve a double purpose: they may define a metastable state; and they may be, like a standard, basic parameters for deducing the cross-section value from the experiment.

Consequently, the half-life should be coded in computer-intelligible form

- whenever a code indicating a metastable state occurs in target-nucleus, quantity or residual nucleus
- when target nucleus or residual nucleus are not stable and their half-life is an essential parameter in the analysis of the experimental data."

We suggest to add this paragraph in Lexfor under "Metastable States" (or alternatively under "Activation", or on page VIII.24 under HALF-LIFE) with appropriate cross-referencing.

Clearance: J.J. Schmidt

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