

MEMO CP-A/146

21-July-2003

To: **Distribution**
From: **F.E. Chukreev**
Subject: **about MEMO CP-D/366**

MEMO CP-D/366 submitted the following proposal for discussion to the upcoming NRDC meeting.

Addition to Dictionaries 32 and 36:

STY Saturation Thick-Target Yield
Yield of an outgoing particle (or radiation) measured after a long irradiation (irradiation time longer than 3 times of the half-life of the produced activity) for an incident beam stopped in a thick target and given as decay rate per unit of beam current

Units: Dimension TTY, such as: MBQ/MUA, GBQ/MUA, MUCI/MUA, MCI/MUA

Sorry, but I did not find a result of discussion on the subject in CP-D/369. Therefore I would like to remark, that “new” code is duplicate of old code TTY.

Let us remember history of TTY. Originally, in Munzel’s era, TTY could be used with data units MUCI/MUA (and similar) and MUCI/MUAHR (and similar) too.

Some later, V. McLane proposed to use TTY,,DT with data units MUCI/MUAHR (and similar) and TTY (without DT) for product yield, which is independent from time, i.e. for *saturation* yield.

Obviously, TTY (without DT) and STY have equal meaning. Therefore we must conserve only one code (TTY or STY).

What code must be conserved? An answer can be found after investigation of “tail” length.

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