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MEMO CP-4/176

DATE:	14 May 2009
TO:	Distribution
From:	M.Mikhaylyukova
Subject:	Reply to Memo CP-D/530rev

As reply to Memo **Coding of uncertainty ranges under ERR-ANALYS,**
it's proposed to code minimal and maximal errors like we code data (DATA-MAX):
ERR-1-**MAX**, ERR-1-**MIN** and so on.
Errors and error units (per-cents or absolute units) could be given in COMMON/DATA section.

Example 1, Entry 41487,
Subent 012 :

ERR-8 Maximal Error due to admixtures in Bi target :
5.% in 27 -50 MeV , 0.6% in 50-100 MeV,
0.1% in 100 -200 MeV energy range.

Subent 013 :

ERR-7 - admixtures in target <3.0% in 60-100 MeV
energy range , <0.5 in 100 -200 MeV range.

Now in such cases, these errors are given only in free text.
The proposed in Memo CP-D/530 format does not let to present such errors as coded information.
As proposed in this Memo CP-4/176, such errors could be presented in DATA section as
ERR-8-MAX, ERR-7-MAX .

Example 2, Entry 40116,
Subent 001 :

ERR-ANALYS Energy error of gamma-ray was 3-6 keV.

Error units are KEV, but not per-cents.
The proposed in Memo CP-D/530 format does not let to present the units of max/min errors.
As proposed in this Memo CP-4/176, such errors could be presented in COMMON or DATA section as E-RSL-MAX, E-RSL-MIN with proper units headings – KEV.

Example 3, Entry 41502,
Subent 001 :

Resolution of COS of angle about 0.07.

Error units are NO-DIM in this case, but not per-cents.
The proposed in Memo CP-D/530 format does not let to present the units of max/min errors.
As proposed in this Memo CP-4/176, such errors could be presented in COMMON or DATA section as COS-RSL-MX, COS-RSL-MN (or COS-ER-MAX, COS-ER-MIN) with proper units headings – NO-DIM.

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