MEMO CP-A/144

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To: **Distribution**
From: **F.E. Chukreev, S.Babykina**
Subject**: TCC code plus LEXFOR page**
          (Reply to Memo CP-D/364)

We propose to input in Dictionary 30 new code-

TCC   **(total charge-changing cross sections)**

Distribution:
OBLOZINSKY@BNL.GOV
VML@BNL.GOV
NORDBORG@NEA.FR
KELLETT@NEA.FR
MANOKHIN@IPPE.RSSI.RU
MAEV@IPPE.RSSI.RU
FELIKS@POLYN.KIAE.SU
CHUKREEV@POLYN.KIAE.SU
DUNAEVA@EXPD.VNIIEF.RU
VARLAMOV@depni.NPI.MSU.SU
CHIBA@EARTH.SGU.AC.JP
KATO@NUCL.SCI.HOKUDAI.AC.JP
TENDOW@POSTMAN.RIKEN.GO.JP
YXZHUANG@IRIS.CIAE.AC.CN
TARKANYI@ATOMKI.HU
TAKACS-S@ATOMKI.HU
HASEGAWA@CRACKER.TOKAI.JAERI.GO.JP
VLASOV@KINR.KIEV.UA
KALTCHENKO@KINR.KIEV.UA
OGRITZAY@KINR.KIEV.UA

LEXFOR

Total Charge-Changing Cross Section

Definition: the sum of all energetically possible nonelastic interactions minus the

neutron removal cross section.

Reaction Coding: TCC in SF3

Examples   (Target(28-Ni-52,TCC),,SIG)

                         (Target(6-C-12,TCC),,SIG)

Sum-rules: TCC= sigma (total)-sigma(el)-sigma(nr),

Where-sigma(total)=elastic plus nonelastic cross section

Sigma (nr)= only neutron removal cross section

Units: a code from Dictionary 25 - MB, etc.

References

1. B.Blank et.al. , Z.PHYS.A, 352, 69, 1995
2. A.N.Golovchenko et.al, Phys.Rev. C, 66, 014609, 2002