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**Memo CP-D/364**

**Date:** 28 May 2003

**To:** Distribution

**From:** O. Schwerer

**Subject:** Proposed dictionary 30 code TCC

**Reference:** Memos CP-A/139, CP-A/123

The dictionary 30 (Process) code **TCC - Total charge changing** was proposed in memo CP-A/123 in April 2002. Decision was postponed at the 2002 Paris NRDC meeting for the working group on high energy data in EXFOR to look into the matter.

While several memos relevant to high energy data were exchanged (all on elementary particle coding), no new information concerning total charge changing was distributed. However, the proposal was renewed in memo CP-A/139.

Adding a new code to the "Process" dictionary (REACTION SF3) is not trivial - these are codes like TOT (total), F (fission), EL (elastic) etc. which are all self-explanatory. Therefore we need more information.

- What is the definition of the Total charge changing cross section? (Lexfor entry)
- A coding example is needed. Is there a reaction product to be coded, either obligatory or optional? Any independent variables besides EN?
- In memo CP-A/123, the article ZP/A,352,69,1995 is mentioned as example. How would this be coded in EXFOR? (E.g., Tables 1 and 2)
- This article mentions a second article by the same authors measuring "partial charge changing cross sections". How will this be coded?
- Is the abbreviation TCC known well enough to be understood by the users? The present SF3 codes do not need any explanation or looking up the dictionary.

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