Memo CP-D/425

Date: 1 April 2005
To: Distribution
From: S.Dunaeva

Subject: Checking and comparing programs for digitizing figures

At present, compilers in several centers use different software programs for digitizing (mostly old) data from figures.

We notice that these programs use different methods and that the results differ. We think it is important to check the quality and consistency of the digitized data going to EXFOR. For this purpose, we propose a small comparison exercise. Each center involved in digitizing figures for EXFOR is invited to do the following:

1. Digitize fig.2 from the publication in Nucl.Phys. A674, 11, 2000;

2. Send these data in the form of a short entry to the NDS for comparison;

3. Please mention which program was used and its origin.

4. It is important to have an estimate of the accuracy of the digitization. Please always include these numbers as well (very often this will be given in the COMMON section). For this, new codes were introduced some time ago in Dictionary 24: ERR-DIG, EN-ERR-DIG or ANG-ERR-D, etc.

5. After the comparison NDS will issue a memo with the results, including the author's numerical data which we have at NDS.

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