

SUBGROUP I. INTERCOMPARISON OF FILES FOR ^{52}Cr , ^{56}Fe and ^{58}Ni

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PROGRESS TO DATE:

BROND, ENDF/B-VI and JENDL-III are available at BNL for comparison, along with ENDF/B-V and experimental data. Preliminary plots of File 2 (resonance parameter reconstruction) and File 3 (cross section data) from each of the above evaluations were compared with available experimental data by Charlie Dunford at BNL.

For ENDF/B-VI several cases were noted where experimental data not available from the Data Center network were used in the evaluations (hence are not shown in the plots). Thus, evaluators should encourage transfer of such data to the appropriate data center.

FUTURE WORK:

Final plots of ENDF/B-VI, JEF/EFF-II and JENDL-III File 2 (resonance parameter reconstruction) and File 3 (cross section data) evaluations and appropriate experimental data will be sent to members of the Subgroup for inspection and comment.

File 6 comparison capability is beginning to appear. ORNL can plot some types of data and evaluations, and some processing codes may also have the capability. Since JENDL-III does not include File 6, a decision will have to be made to use File 5, for example.

Following study of the plots, a meeting of the Subgroup with the evaluators may be appropriate to understand and attempt to resolve observed discrepancies.

A suggestion (N. Yamamuro, Japan) has been made to perform a similar study for the remaining isotopes of the structural materials.