

VI.F. OTHER INPUT FILES FOR SAMMY

In addition to the INPut, PARAmeter, and DATa files, several special-purpose input files exist for various options available in SAMMY. These are discussed in the following sections:

1. The AVG file, described in Section VI.F.1, contains the energy ranges for calculation of multigroup cross sections.
2. In order for SAMMY to generate output in appropriate formats for the Evaluated Nuclear Data Files (ENDF), ENDF-specific information is required. This is provided in the NDF file, described in Section VI.F.2.
3. ENDF Files 2 and/or 32 are sometimes used as input to SAMMY. See Section VI.F.3 for details.
4. The calculation of Maxwellian or stellar-averaged capture cross sections requires information about which temperatures are to be used for the calculation. Section VI.F.4 provides information about this input file.
5. The Crystal Lattice Model of Doppler broadening requires additional input, as shown in Section VI.F.5.