

Table VI A1.2 (continued)

Category	D	Statements	Notes	#
ENDF as input		INPUT IS ENDF/B FILE 2	Resonance parameter values and spin-group quantum number information are taken from an ENDF/B file; see Section VI.F.3.	61
		USE ENERGY RANGE FROM endf/b file 2	If this command is not included, SAMMY will use the energy range from INPut file or from interactive input instead of using the range specified in the ENDF file. If the PARAmeter file is not an ENDF file, this command is ignored.	62
		PARAMETER COVARIANCE matrix is in endf format,	See Section VI.F.3.	89
		or ENDF COVARIANCE MATRix is to be read and used		90
		DATA ARE ENDF/B FILE, or USE ENDF/B ENERGIES and data, with MAT=9999	The DATA file is an ENDF file containing File 3, that is, containing point-wise cross sections of the same type as specified in the INPut file. Following this command, anywhere after column 20 on the same line write “MAT=” and then give the ENDF MAT number.	19 20
		PRESERVE GAMMA_N NOT g_gamma_n from endf	Some older ENDF files used $AJ = I$ (the spin of the target nuclide) rather than $AJ = I + \frac{1}{2}$ or $I - \frac{1}{2}$ when the spin J was not well determined. In such a case SAMMY, by default, assumes the ENDF value for the neutron width is really $g\Gamma_n$. Include this command if you wish to assume that the ENDF value is Γ_n .	301