Table VI A1.2 (continued)

Category	D	Statements	Notes	#
Options for printing into SAMMY.LPT	D	DO NOT PRINT ANY INPut parameters		91 92
		PRINT ALL INPUT PARAmeters	All resonances parameters are printed in SAMMY.LPT.	93
		PRINT VARIED INPUT Parameters	Resonances for which no parameters are flagged will not be printed. Use this option for direct comparison with output parameters, which are always printed in this mode.	94
	D	DO NOT PRINT INPUT Data	"Input data" refers to experimental values of the measured cross section (or transmission, etc.), as read from the DATa file (see Section VI.C). "Theoretical values" refers to the calculated cross sections (as broadened and otherwise corrected). Often these are available in the plot file (see Table VII C.1), so they need not be printed in the LPT file.	95
		PRINT INPUT DATA, or PRINT EXPERIMENTAL Values		96 97
	D	DO NOT PRINT THEORETical values		98
		PRINT THEORETICAL VAlues, or PRINT THEORETICAL CRoss sections		99 100
	D	DO NOT PRINT PARTIAL derivatives		101
		PRINT PARTIAL DERIVAtives	Use this option only for debug purposes.	102
		SUPPRESS INTERMEDIATe printout	Updated parameter values and covariance matrix elements are printed only upon completion of entire run.	103
		DO NOT SUPPRESS INTErmediate printout	Updated parameter values and covariance matrix elements are printed after completion of each energy region.	104
	D	DO NOT SUPPRESS ANY intermediate printout	Updated parameter values are printed after each iteration of Bayes' equations (i.e., typically twice for each energy region). Updated covariance matrix elements are evaluated and printed only upon completion of an energy region.	105

Table VI A1.2 (continued)

Category	D	Statements	Notes	#
Options for printing into SAMMY.LPT (cont.)	D	DO NOT USE SHORT FORmat for output		106
		USE SHORT FORMAT FOR output	Resonance parameters are printed in the LPT file (Section VII.A), in F12.4 format rather than E format. Although this may produce more legible output, fewer significant digits may be printed.	107
	D	DO NOT PRINT REDUCED widths		108
		PRINT REDUCED WIDTHS	Reduced width amplitudes will be printed in the LPT file (Section VII.A), along with the square root of the resonance energies. That is, what are printed are the "*u*-parameters" as described in Section IV.C.	109
		DO NOT PRINT SMALL Correlation coefficients	Any line of the correlation matrix whose off-diagonal elements are small will not be printed. "Small" is defined as less than ICORR/100 in absolute value, where ICORR is given in card set 2 of Table VI A.1.	110
	D	DO NOT PRINT DEBUG Info		112
		PRINT DEBUG INFORMATion, or DEBUG	Use for debug purposes only on short runs.	113 114
		PRINT CAPTURE AREA In lpt file	The capture area, defined as $A = g\Gamma_n\Gamma_\gamma / \Gamma$, is printed in the SAMMY.LPT file.	115
		CHI SQUARED IS NOT Wanted, *or* DO NOT PRINT LS CHI squared	See Section IV.A.2 for definitions of both χ^2_{LS} and χ^2_B. Independent of which commands are given, both χ^2 values are printed whenever they can be calculated without excess effort.	116 117
	D	CHI SQUARED IS WANTEd, or PRINT LS CHI SQUARED		118 119
	D	PRINT BAYES CHI SQUAred		121
		DO NOT PRINT BAYES Chi squared		120

Table VI A1.2 (continued)

Category	D	Statements	Notes	#
Options for printing into SAMMY. LPT (cont.)	D	DO NOT PRINT WEIGHTEd Residuals, or DO NOT PRINT LS WEIGhted residuals	See Section IV.A.2 for definitions of weighted residuals.	122 123
		PRINT WEIGHTED RESIDuals, or PRINT LS WEIGHTED REsiduals		124 125
		PRINT BAYES WEIGHTED residuals		126
	D	DO NOT PRINT BAYES Weighted residuals		127
	D	DO NOT PRINT PHASE Shifts		130
		PRINT PHASE SHIFTS For input parameters	Hard-sphere phase shifts are defined in Section II.A.	131