

Table VI B.2 (continued)

C:L	P, T	Variable Name	Meaning (units)	Notes
4:1	1-80, A	WHAT	“BROADening parameters may be varied”	Values for parameters in this card set may be specified in the INPut file if they are not to be varied (card sets 5 and 7 of Table VIA.1). Alternatively, this entire card set may be inserted at the end of the INPut file when parameters are treated as PUPs.
4:2	1-10, F	CRFN	Matching radius (F)	In many cases this value is overruled (e.g., card set 7 or 7a).
	11-20, F	TEMP	Effective temperature of the sample (K)	
	21-30, F	THICK	Sample thickness (atoms/barn)	
	31-40, F	DELTAL	Spread in flight-path length (m)	See Section III.C.1.a for a detailed description of these parameters.
	41-50, F	DELTAG	The absolute value of DELTAG is the full width at half max of a Gaussian resolution function whose variance is equivalent to that of the square pulse (μ s). See Section III.C.1.a for details.	In card set 5 of the INPut file, a negative value of DELTAG is used as a marker to indicate that channel widths and crunch boundaries are included in card set 6. Here in card set 4 of the PAR file, DELTAG can be either negative or positive, but only $ \text{DELTAG} $ has any meaning. It is acceptable to have a negative value of DELTAG in the INPut file, so that crunch boundaries and channel widths will be read, and then have a completely different value of DELTAG in the PARAmeter file. SAMMY computations will make use of (1) the crunch boundaries and channel widths from the INPut file and (2) the absolute value of DELTAG from the PARAmeter file. See test case tr048 for examples.

Table VI B.2 (continued)

C:L	P, T	Variable Name	Meaning (units)	Notes
4:2 cont.	51-60, F	DELTAE	e-folding width of exponential resolution function (μ s)	See Section III.C.1.b for details.
	61-62, I	Icrfn	Flag to vary this parameter; values -2, 0, and 1 may be used, but -1 and 3 may not (see below for meanings of these values).	
	63-64, I	Itemp	Flags to vary these parameter. Meanings are as follows:	
	65-66, I	Ithick	-2 \rightarrow do not vary this parameter. Use the value given in card sets 5, 6, or 7 of the INPut file rather than this value.	
	67-68, I	Ideltal	-1 \rightarrow do not vary this parameter. Use the value given here in the PARAmeter file rather than the value given in the COVariance file (if it exists). (Note that only those parameters that were not varied in earlier runs can be changed in this manner.)	
	69-70, I	Ideltag	0 \rightarrow do not vary this parameter. Use the value given in the COVariance file if it exists; otherwise, use this value.	
	71-72, I	Ideltae	1 \rightarrow do vary this parameter. For the starting value, use the value given in the COVariance file if it exists.	
			3 \rightarrow PUP this parameter. Use the value given here. (See Section IV.D.2 for a description of propagated uncertainty parameters.)	
4:3	1-10, F	dCRFN	Uncertainty on CRFN	This line is optional, unless additional parameters are given on subsequent lines. If this line is absent, prior uncertainties are set to FUDGE \times value of parameter.
	11-20, F	dTEMP	Uncertainty on TEMP	
	
	51-60, F	dDE	Uncertainty on DELTAE	
4:4	1-10	DELTC1	Width of Gaussian, constant in energy (eV)	See Section III.C.1.a for details.
	2-20	DELTC2	Width of Gaussian, linear in energy (unitless)	
	61-62,I	Ideltc1	Flag to vary DELTC1	
	63-64,I	Ideltc2	Flag to vary DELTC2	
4:5	1-10	dDC1	Uncertainty on DELTC1	
	11-20	dDC2	Uncertainty on DELTC2	
4:4	(blank)			