

Table VI A.1 (continued)

C:L	P,T	Variable name	Meaning (units)	Notes
11: 1	This card set is present only if self-shielding and multiple-scattering corrections are mentioned in card set 3. See Section III.D for details.			
	1-10, F	THSAMP	Sample thickness (cm) This may be calculated as the thickness in atoms/barn, multiplied by the atomic mass in amu, multiplied by the inverse of Avagadro's number (i.e., by 1.66053886 in the appropriate units), divided by the density for the material in g/cm ³ . See, for example, the web site http://www.chemicool.com/ for values for density.	
	11-20, F	XSAMP	Sample height (cm) or sample radius (cm)	
	21-30, F	YSAMP		Currently unused
	31-40, F	XBEAM	Beam height (cm) or beam radius (cm), or zero if beam is larger than sample	If XSAMP is given as zero here but XBEAM is positive, the code will set XSAMP = XBEAM, and vice versa.
	41-50, F	YBEAM		Currently unused
	51-55, I	NTHETA	Total number of points for theta integration	Default = 33
	56-60, I	NGAUSZ	Number of points for pieces of z integration	4, 8, or 16 Default = 16
	61-65, I	NGAUS	Number of points for pieces of integration over cross section of beam	4, 8, or 16 Default = 16
	66-70, I	MTHETA	Number of points for theta integration near the end points (2*MTHETA < NTHETA)	Default = 5
	71-75, I	NXTPT	Number of points for integration and/or interpolation over σ ; see Eq. (III D.8) and following	Default = 32
	76-80, I	MXTPT	Number of points for integration over σ' ; see Eq. (III D.8) <i>ff</i>	Default = 32