

Table VI B.2 (continued)

C:L	P, T	Variable Name	Meaning (units)	Notes
9:1	1-80, A	WHAT	“ORRES”	Oak Ridge Resolution function (Section III.C.2). Card set may be in INPut file instead of here.
9:2	1-5, A	WHAT	“BURST”	Burst width is on this line.
	7, I	Iff	Flag to indicate how burst width is to be treated	1 if varied, 3 if PUP, 0 otherwise
	11-20, F	BURST	Value of square burst width (ns)	
	21-30, F	DBURST	Uncertainty on BURST (ns)	
9:3	1-5, A	WHAT	“WATER”	Information about water moderator is on this line and the next line.
	7, I	IF0	Flag to indicate treatment for WATR0	1 if varied, 3 if PUP, 0 otherwise
	8, I	IF1	Flag for WATR1	1 if varied, 3 if PUP, 0 otherwise
	9, I	IF2	Flag for WATR2	1 if varied, 3 if PUP, 0 otherwise
	10, I	m	Degrees of freedom for chi-squared distribution	Integer, > 0 (default = 4)
	11-20, F	WATR0	Constant term Λ_0 in expression for the mean free path Λ for the water moderator (mm)	Default = 3.614
	21-30, F	WATR1	Coefficient of linear term Λ_1 in expression for Λ (mm)	Default = -0.089
	31-40, F	WATR2	Coefficient of quadratic term Λ_2 in expression for Λ (mm)	Default = 0.037
9:4	11-20, F	DW0	Uncertainty on WATR0	Use this line only if previous line specified “WATER”.
	21-30, F	DW1	Uncertainty on WATR1	
	31-40, F	DW2	Uncertainty on WATR2	
9:3a	1-5, A	WHAT	“TANTA”	Tantalum target is used instead of water moderator; see Section III.C.2 for precise meaning of variables. Note that you cannot have both WATER and TANTA.
	7, I	IFTANT	Flag to indicate whether TANTA is to be varied	
	11-20, F	TANTA	ε' (mm ⁻¹)	
	21-30, F	Dtanta	Uncertainty on TANTA	

Table VI B.2 (continued)

C:L	P, T	Variable Name	Meaning (units)	Notes
9:4a	7, I	IFX1	Flag for X1	Include this line only for tantalum target. Flags are 1 if varied, 3 if PUP, 0 otherwise. See Section IV.D.2 for information about PUPs.
	8, I	IFX2	Flag for X2	
	9, I	IFX3	Flag for X3	
	10, I	IFX0	Flag for X0	
	11-20, F	X1	x'_1 (mm)	
	21-30, F	X2	x'_2 (mm)	
	31-40, F	X3	x'_3 (mm)	
9:5	41-50, F	X0	x'_0 (mm)	Include this line only for tantalum target.
	11-20, F	DX1	Uncertainty on x'_1 (mm)	
	21-30, F	DX2	Uncertainty on x'_2 (mm)	
	31-40, F	DX3	Uncertainty on x'_3 (mm)	
9:6	41-50, F	DX0	Uncertainty on x'_0 (mm)	Use this line only for tantalum target. Flags are 1 if varied, 3 if PUP, 0 otherwise.
	7, I	Ifwww	Flag for β'	
	8, I	Ifalpha	Flag for α'	
	11-20, F	WWW	β' (mm ⁻¹)	
9:7	21-30, F	ALPHA	α' (dimensionless)	Use this line only for tantalum target.
	11-20, F	Dwww	Uncertainty on β' (mm ⁻¹)	
9:8	21-30, F	Dalpha	Uncertainty on α' (dimensionless)	Lithium-glass detector is used. Flags are 1 if varied, 3 if PUP, 0 otherwise.
	1-5, A	WHAT	"LITHI"	
	7, I	IFD	Flag for d	
	8, I	IFF	Flag for f	
	9, I	IFG	Flag for g	
	11-20, F	D	d (nsec)	
	21-30, F	F	f (nsec ⁻¹)	
9:9	31-40, F	G	g (dimensionless)	Include this line only for lithium-glass detector.
	11-20, F	DD	Uncertainty on d (nsec)	
	21-30, F	DF	Uncertainty on f (nsec ⁻¹)	
	31-40, F	DG	Uncertainty on g	