

Table VI B.2 (continued)

C:L	P,T	Variable Name	Meaning (units)	Notes
2:1	1-11, F	Fudge	Fudge = initial relative uncertainty for varied parameters whose initial uncertainty is not specified elsewhere. Default = 0.1	One exception: The value of FUDGE will not affect the resonance energy E_λ . The default initial uncertainty for E_λ is set at $\frac{1}{2}$ times the sum of all widths (including Doppler and resolution widths).
3:1	1-80, A	WHAT	“EXTERNAL R-function parameters follow”	Alphanumeric indicator of what comes next; only the first five characters are read.
3:2	1-3, I	IGROUP	Spin group number	Parameters of the logarithmic parameterization of the external R-matrix for quantum numbers α (i.e., for IGROUP and ICHN), of the form given in Eq. (II B1 d.1).
	4-5, I	ICHN	Channel number	
	6-16, F	E_α^{down}	Logarithmic singularity below energy range (eV)	
	17-27, F	E_α^{up}	Logarithmic singularity above energy range (eV)	
	28-38, F	$R_{con, \alpha}$	Constant term	
	39-49, F	$R_{lin, \alpha}$	Linear Term	
	50-60, F	s_α	Coefficient of logarithmic term (must be non-negative)	
	62, I	ISE_α^{down}	Vary E_α^{down} ?	
	64, I	ISE_α^{up}	Vary E_α^{up} ?	
	66, I	$ISR_{con, \alpha}$	Vary $R_{con, \alpha}$?	
	68, I	$ISR_{lin, \alpha}$	Vary $R_{lin, \alpha}$?	
	70, I	ISS_α	Vary s_α ?	
3:3 etc.	Repeat line 2 as many times as desired. Include only those spin groups and channels for which you wish to parameterize the external R-matrix in this manner.			
3:Last	(blank)			