

C 2nd DIMENSION: ENERGY LEVEL INDEX
 C (NOTE: DIAGONAL ELEMENTS REPRESENT THE
 C NEGATIVE SUM OF THEIR RESPECTIVE
 C COLUMNS.)
 C INPUT : (R*8) CIE() = IONISATION RATE COEFFICIENT VECTOR FOR
 C FIXED TEMPERATURE.
 C DIMENSION: ENERGY LEVEL INDEX
 C
 C OUTPUT: (R*8) CC(,) = RATE MATRIX COVERING ALL TRANSITIONS
 C (UNITS: SEC-1)
 C VALUES FOR GIVEN TEMPERATURE AND DENSITY.
 C 1st DIMENSION: ENERGY LEVEL INDEX
 C 2nd DIMENSION: ENERGY LEVEL INDEX
 C
 C (I*4) IS1 = ENERGY LEVEL ARRAY INDEX
 C (I*4) IS2 = ENERGY LEVEL ARRAY INDEX
 C
 C
 C ROUTINES: NONE
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 C DATE: 09/10/90
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INTEGER	IL,	NDLEV	
LOGICAL	LISEL,	LPSEL	
REAL*8	CC (NDLEV, NDLEV) ,		CIE (NDLEV)
REAL*8	CRA (NDLEV, NDLEV) ,		CRCE (NDLEV, NDLEV)
REAL*8	CRCP (NDLEV, NDLEV) ,		DENE, DENP