

C
C OUTPUT: (R*8) RAT = RATIO OF OMEG(NCOLL) TO I.P. OMEGA.
C OUTPUT: (R*8) QI () = COLLISIONAL EXCITATION RATE COEFFICIENTS.
C UNITS: CM3 SEC-1
C DIMENSION: TEMPERATURE INDEX.
C OUTPUT: (R*8) QJ () = COLLISIONAL DEEXCITATION RATE COEFFICIENTS.
C UNITS: CM3 SEC-1
C DIMENSION: TEMPERATURE INDEX.
C OUTPUT: (R*8) GA () = GAMMA RATE PARAMETERS.
C UNITS:
C DIMENSION: TEMPERATURE INDEX.

C (I*4) I = LOOP INDEX.
C (I*4) K = LOOP INDEX.

C (R*8) Z1 = IZT+1.
C (R*8) Z2 = ABS(IZC).
C (R*8) EIJ = TRANSITION ENERGY.
C UNITS: RYD

C (R*8) ELAM =
C (R*8) ZCOL =
C (R*8) Z2PHI =
C (R*8) SC =
C (R*8) T1 =
C (R*8) T2 =
C (R*8) EPSM =
C (R*8) R =
C (R*8) EIQ =
C (R*8) FLAG =
C (R*8) ATE =
C (R*8) S =
C (R*8) U1 =
C (R*8) G1 =
C (R*8) U2 =
C (R*8) G2 =
C (R*8) B =
C (R*8) S1 =
C (R*8) E =
C (R*8) P =

C ROUTINES:

ROUTINE	SOURCE	BRIEF DESCRIPTION
---------	--------	-------------------

CXEIQP	ADAS	
--------	------	--

C AUTHOR: JONATHAN NASH (TESSELLA SUPPORT SERVICES PLC)
C K1/0/81
C JET EXT. 5183

C DATE: 08/10/93

C VERSION: 1.1 DATE: 20-06-95

C MODIFIED: TIM HAMMOND (Probably)

C - PUT UNDER S.C.C.S. CONTROL
C
C VERSION : 1.2 DATE: 17-05-07
C MODIFIED : Allan Whiteford
C - Updated comments as part of subroutine documentation
C procedure.

C-----

C
C-----

INTEGER	IZC,	IZT,	MXCOLL,	MXTEMP
INTEGER	NCOLL,	NTEMP		
REAL*8	EI,	EJ,	EM	
REAL*8	EPS (MXCOLL),	GA (MXTEMP),	OMEG (MXCOLL)	
REAL*8	PHI,	QI (MXTEMP),	QJ (MXTEMP),	RAT
REAL*8	TVA (MXTEMP),	WI,	WJ	