

ADAS Subroutine omgrc2

SUBROUTINE OMGR2 (EI, EJ, WI, WJ, X, OMEG, ISW, M, ATE, QI, QJ)
IMPLICIT REAL*8 (A-H, O-Z)

C PURPOSE: GIVEN A SET OF VALUES OF COLLISION STRENGTHS AND INCIDENT
C ELECTRON ENERGIES (IN THRESHOLD UNITS), THE ROUTINE
C EVALUATES THE COLLISIONAL EXCITATION AND DEEXCITATION RATE
C COEFFICIENTS.

C EXTRAPOLATION PROCEDURE MAY BE SELECTED TO BE CONSTANT (ISW=1),
C LOGARITHMIC (ISW=2) OR EXPONENTIAL (ISW=3).

C VERSION : 1.1

C DATE : 18-03-1999

C MODIFIED : ???

C VERSION : 1.2

C DATE : 05-10-2000

C MODIFIED : ???

C - Removed junk from columns > 72

C VERSION : 1.3

C DATE : 16-05-2007

C MODIFIED : Allan Whiteford

C - Updated comments as part of subroutine documentation
C procedure.

C
C INTEGER ISW, M
C REAL*8 ATE, EI, EJ
C REAL*8 OMEG(20), QI, QJ, WI
C REAL*8 WJ, X(20)