

## ADAS Subroutine ouredinv

FUNCTION OUREDINV( IXTYP , EIJ , EJ , DGEY , C )

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C
C ***** FORTRAN 77 FUNCTION: ETREDINV *****
C
C PURPOSE: TO CALCULATE THE COLLISION STRENGTH FROM THE REDUCED
C           COLLISION STRENGTH FOR FOUR TYPES OF TRANSITION
C
C CALLING PROGRAM:
C
C FUNCTION:
C
C INPUT:   (R*8)   EIJ   = TRANSITION ENERGY (Eij)
C           (R*8)   EJ    = COLLIDING ELECTRON ENERGY AFTER
C                           EXCITATION (Ej)
C           (R*8)   C     = ADJUSTABLE SCALING PARAMETER
C           (R*8)   ETR   = Ej/Eij
C           (I)    IXTYPE = TRANSITION TYPE
C                           1 ELECTRIC DIPOLE
C                           2 NON ELECTRIC DIPOLE
C                           3 SPIN CHANGE
C                           4 OTHER
C           (R*8)   DGEY  = REDUCED COLLISION STRENGTH
C
C OUTPUT:  (R*8)   OUREDINV= ELECTRON ENERGY
C
C
C ROUTINES: NONE
C
C DATE:    22/06/95 VERSION 1.1
C AUTHOR:  DAVID.H.BROOKS (UNIV. OF STRATHCLYDE)
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INTEGER          IXTYP
REAL*8           C,          DGEY,          EIJ,          EJ
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