

ADAS Subroutine b8setp

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      SUBROUTINE B8SETP( IZ0      , IZ      ,
&                      NDLEV    , IL      , ICNTE  ,
&                      CSTRGA   , ISA     , ILA     , XJA   ,
&                      STRGA    , NPL     , CPRTA   , NDMET ,
&                      LSS04A   ,
&                      STRGMF   , STRGMI
&                      )
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C
C ***** FORTRAN77 SUBROUTINE: B8SETP *****
C
C PURPOSE:  TO SET UP PARAMETERS IN THE SHARED POOLED FOR PANEL DISPLAY
C
C CALLING PROGRAM: ADAS208
C
C DATA:
C          DATA IS OBTAINED VIA SUBROUTINE 'BADATA'
C
C SUBROUTINE:
C
C INPUT : (I*4)  IZ0      =          NUCLEAR CHARGE READ
C INPUT : (I*4)  IZ      =    RECOMBINED ION CHARGE READ
C
C INPUT : (I*4)  NDLEV   = MAXIMUM NUMBER OF ENERGY LEVELS ALLOWED
C INPUT : (I*4)  IL      = INPUT DATA FILE: NUMBER OF ENERGY LEVELS
C INPUT : (I*4)  ICNTE   = NUMBER OF ELECTRON IMPACT TRANSITIONS
C
C INPUT : (C*18) CSTRGA()= NOMENCLATURE/CONFIGURATION FOR LEVEL 'IA()'
C INPUT : (I*4)  ISA     = MULTIPLICITY FOR LEVEL 'IA()'
C                      NOTE: (ISA-1)/2 = QUANTUM NUMBER (S)
C INPUT : (I*4)  ILA     = QUANTUM NUMBER (L) FOR LEVEL 'IA()'
C INPUT : (R*8)  XJA     = QUANTUM NUMBER (J-VALUE) FOR LEVEL 'IA()'
C                      NOTE: (2*XJA)+1 = STATISTICAL WEIGHT
C INPUT : (I*4)  NPL     = NUMBER OF PARENTS IN INPUT DATA SET
C INPUT : (C*9)  CPRTA() = PARENT NAME FROM INPUT DATA SET
C INPUT : (I*4)  NDMET   = MAX.NO.OF METASTABLES ALLOWED
C I/O   : (L*4)  LSS04A(,)= .TRUE. => IONIS. RATE SET IN ADF04 FILE:
C                      .FALSE.=> NOT SET IN ADF04 FILE
C                      1ST DIM: LEVEL INDEX
C                      2ND DIM: PARENT METASTABLE INDEX
C
C OUTPUT: (C*22) STRGA() = LEVEL DESIGNATIONS
C OUTPUT: (C*11) STRGMF()= INFORMATION STRINGS FOR IDL
C OUTPUT: (C*12) STRGMI()= INFORMATION STRINGS FOR IDL
C
C          (C*8)  F6      = PARAMETER = 'VREPLACE'
C
C          (I*4)  ILEN    = LENGTH, IN BYTES, OF ISPF DIALOG VARIABLES
C          (I*4)  ILEV    = ARRAY COUNTER FOR LEVEL INDEX
C          (I*4)  J       = VALUE OF QUANTUM NUMBER L + 1
C          (I*4)  LFPOOL  = NO. OF LEVEL STRINGS SENT TO FUNCTION POOL
C
```

