ADAS Subroutine haadas2

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C

      subroutine haadas2(ichan   , date    ,
     +                   ntdim   , nnedim ,
     +                   data    ,
     +                   itmax   , idmax   ,
     +                   dense   , tempe   ,
     +                   iz0     , iz1     ,
     +                   name    , method ,
     +                   cstrg1  , cstrg2 ,
     +                   infplt  , comments , ncomments )
c
c
c-----------------------------------------------------------------------
c
c  ******************* fortran77 subroutine: haadas2 ******************
c
c  purpose : to write plt standard adas density dependent data
c            The data is in the form :-
c                      data(it,id,iz)
c            where,
c                  it    :  temperature index ( 1 - itmax )
c                  id    :  density     index ( 1 - idmax )
c
c            with electron temperatures ---- tempe(1 - itmax)
c                 electron densities     ---- dense(1 - idmax)
c
c  calling program: adas810
c
c  input :  (i*4)  ichan     =  stream number (previously allocated)
c  input :  (i*4)  ntdim     =  maximum number of temperatures
c  input :  (i*4)  nnedim    =  maximum number of densities
c  input :  (i*4)  itmax     =  number of temperatures
c  input :  (i*4)  idmax     =  number of densities
c  input :  (i*4)  iz0       =  nuclear charge of species
c  input :  (i*4)  iz1       =  ion charge +1
c  input :  (i*4)  ncomments =  number of comment strings
c  input :  (r*8)  data      =  profile array (see above)
c  input :  (r*8)  dense     =  electron densities
c  input :  (r*8)  tempe     =  electron temperatures
c  input :  (c*13) name      =  name of element
c  input :  (c*25) method    =  method used in the calculations
c  input :  (c*10) cstrg1    =  ground information string
c  input :  (c*10) cstrg2    =  parent information string
c  input :  (c*8)  infplt    =  total line power stringssection
c  input :  (c*80) comments() =  comment strings
c
c
c author:  h. p. summers, university of strathlcyde
c
c date:    24 April 2002
c
c update:
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c
c-------------------------------------------------------------------
      CHARACTER*80        COMMENTS(NCOMMENTS)
      CHARACTER*10        CSTRG1,     CSTRG2
      CHARACTER*8         DATE,       INFPLT
      CHARACTER*24        METHOD
      CHARACTER*13        NAME
      INTEGER             ICHAN,      IDMAX,      ITMAX,      IZ0
      INTEGER             IZ1,        NCOMMENTS,  NNEDIM,     NTDIM
      REAL*8              DATA(NTDIM,NNEDIM),     DENSE(NNEDIM)
      REAL*8              TEMPE(NTDIM)
```