


```

C          2ND DIMENSION: CHARGE-STATE INDEX
C INPUT : (L*4)  LTSCDL(,)=.TRUE. => IONIZATION    COLL.-DIEL COEFFT.
C          VALUE FOR TEMPERATURE INDEX AND
C          CHARGE INTERPOLATED.
C          =.FALSE.=> IONIZATION    COLL.-DIEL COEFFT.
C          VALUE FOR TEMPERATURE INDEX AND
C          CHARGE EXTRAPOLATED.
C          1ST DIMENSION: TEMPERATURE INDEX
C          2ND DIMENSION: CHARGE-STATE INDEX
C
C OUTPUT: (L*4)  LDIBAL() =.TRUE. => IONIZATION BALANCES FOR DENSITY
C          INVOLVE NOT EXTRAPOLATION.
C          =.FALSE.=> IONIZATION BALANCES FOR DENSITY
C          INVOLVE EXTRAPOLATION IN SOME
C          PART OF THEIR CALCULTION.
C          1ST DIMENSION: DENSITY INDEX
C OUTPUT: (L*4)  LTIBAL() =.TRUE. => IONIZATION BALANCES FOR TEMP'TURE
C          INVOLVE NOT EXTRAPOLATION.
C          =.FALSE.=> IONIZATION BALANCES FOR TEMP'TURE
C          INVOLVE EXTRAPOLATION IN SOME
C          PART OF THEIR CALCULTION.
C          1ST DIMENSION: TEMPERATURE INDEX
C
C          (I*4)  NZ      = NUMBER OF CHARGE STATES TO BE ASSESSED
C          (I*4)  ID      = ARRAY SUBSCRIPT USED FOR DENSITY INDEX
C          (I*4)  IT      = ARRAY SUBSCRIPT USED FOR TEMPERATURE INDEX
C          (I*4)  IZ      = ARRAY SUBSCRIPT USED FOR CHARGE-STATE INDEX
C
C          (L*4)  LS      = .TRUE.  => NO EXTRAPOLATION
C          =.FALSE. => EXTRAPOLATION
C
C NOTE:
C
C ROUTINES: NONE
C
C AUTHOR:   PAUL E. BRIDEN (TESSELLA SUPPORT SERVICES PLC)
C          K1/0/81
C          JET EXT. 4569
C
C DATE:    30/01/91 - ADAS91 ROUTINE
C
C UNIX-IDL PORT:
C
C VERSION: 1.1 DATE: 11-11-96
C MODIFIED: WILLIAM OSBORN (TESSELLA SUPPORT SERVICES PLC)
C - FIRST CONVERTED
C
C-----
C
C-----
C          INTEGER          IZ1,          IZ2,          MAXD,          MAXT
C          INTEGER          NDDEN,        NDTIN,        NDZ
C          LOGICAL          LDACDL(NDDEN,NDZ) ,        LDIBAL(NDDEN)

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LOGICAL
LOGICAL

LDSCDL (NDDEN, NDZ) ,
LTIBAL (NDTIN) ,

LTACDL (NDTIN, NDZ)
LTSCDL (NDTIN, NDZ)