

ADAS Subroutine xxelz0

SUBROUTINE XXELZ0 (ELEM , IZ0)

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C
C ***** FORTRAN77 SUBROUTINE: XXEIZ0 *****
C
C PURPOSE: TO RETURN THE NUCLEAR CHARGE IZ0 FOR THE ELEMENT NANE
C
C CALLING PROGRAM: GENERAL USE
C
C SUBROUTINE:
C
C INPUT : (C*2)  ELEN      = ELEMENT NAME WITH NUCLEAR CHARGE 'IZ0'
C OUTPUT: (I*4)  IZ0       = ELEMENT NUCLEAR CHARGE
C
C          (I*4)  NSYM      = PARAMETER = NUMBER OF SYMBOLS LISTED
C
C          (I*4)  I         = GENERAL ARRAY USE
C
C          (C*2)  SYMBOL() = SYMBOLS OF FIRST 'NSYM' ELEMENTS.
C                      ARRAY DIMENSION => NUCLEAR CHARGE
C
C NOTES:   IF SYMBOL IS NOT RECOGNISED, I.E. NOT IN Z0 RANGE 1 & 'NSYM',
C          THEN THE INTEGER 'IZ0' IS RETURNED AS ZERO.
C
C ROUTINES: NONE
C
C
C AUTHOR:   Martin O'Mullane
C DATE:    25-07-2007
C
C Version : 1.1
C Date    : 25-07-2007
C Modified: Martin O'Mullane
C          - First version.
C
C-----
C
C CHARACTER*(*)      ELEM
C INTEGER            IZ0
```