1 Creation of TALYS file 'input7.f'

The file 'input7.f' was created using the pre-existing file 'input1.f' as a template, removing everything except those parts needed to read a specific flag of the TALYS input file. The subroutine contains an if-statement that, if given, assigns the value of the keyword 'geffissionfileid' to the TALYS variable 'yieldfileid'. If the user has not specified the keyword 'geffissionfileid' in the TALYS input file, the subroutine assigns the default value 'novalue' to the variable 'yieldfileid'. The modifications of the file 'input1.f' are highlighted in yellow.

```
      subroutine input7
c
c +---------------------------------------------------------------------
c  Author:  Arjan Koningc  Date : January 20, 2023
c  Task :  Read input for first set of variables
c  Edited: Peter Karlsson; Date: May 7, 2023
c +---------------------------------------------------------------------
c
c ****************** Declarations and common blocks ********************
c
      include "talys.cmb"
      logical idexist
      character*1 ch
      character*132 word(40),key,value
      character*132 line
      integer i
c
c ****************** Editing information****************************
c  Modified "input1" to read specific unique GEF fission yield (FY) file
c  Reads the value for keyword geffissionfileid.
c  Value is used in massdis.ff to read specific GEF FY file
c  when multi-threading.
c ****************************************************************
c
c ************ Read unique yield file id from input line ************
c
c idexist : logical for existence of GEF yield file id
c
c 1. Initializations
c
   idexist=.false.
c
c nlines : number of input lines
c getkeywords: subroutine to retrieve keywords and values from input
c line
c inline : input line
c word : words on input line
c key : keyword
c value : value or string
c ch : character
c
c The keyword is identified and the corresponding values are read.
```

```
c Erroneous input is immediately checked. The keywords and number of
c values on each line are retrieved from the input.
c
      do i=1,nlines
        line = inline(i)
        call getkeywords(line,word)
        key=word(1)
        value=word(2)
        ch=word(2)(1:1)
c
c 2. The yieldfileid is read
c
        if (key.eq.'geffissionfileid') then
          idexist=.true.
          yieldfileid=value
        else
          yieldfileid='novalue'
          cycle
        endif
      enddo
      end

c----------------------------------------------------
```

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