

## ADAS Subroutine i4idli

FUNCTION I4IDLI( NF , LI , LF )

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C \*\*\*\*\* FORTRAN77 INTEGER\*4 FUNCTION: I4IDLI \*\*\*\*\*

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C PURPOSE: RETURNS THE INDEX NUMBER OF THE PREDICTED SPETRUM LINE  
C TABLES GIVEN THE ORBITAL QUANTUM NUMBER OF THE INTIAL STATE  
C AND THE PRINCIPAL AND ORBITAL QUANTUM NUMBERS OF THE FINAL  
C STATE.

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C CALLING PROGRAM: GENERAL USE

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C FUNCTION:

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C FUNC: (I\*4) I4IDLI = INDEX

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C INPUT: (I\*4) NF = PRINCIPAL QUANTUM NUMBER OF FINAL STATE.

C INPUT: (I\*4) LI = ORBITAL QUANTUM NUMBER OF INITIAL STATE.

C INPUT: (I\*4) LF = ORBITAL QUANTUM NUMBER OF FINAL STATE.

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C AUTHOR: JONATHAN NASH (TESSELLA SUPPORT SERVICES PLC)

C K1/0/81

C JET EXT. 5183

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C - Modified documentation as part of automated  
C subroutine documentation preparation.

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INTEGER

LF,

LI,

NF