Running PROM7 with gfortran compiler on Linux system

- Download the package source file PROM7-PRD-2025-10-31.tgz from MEDOC website :
  https://idoc.osups.universite-paris-saclay.fr/medoc/tools/radiative-transfer-codes/

- (**gfortran** compiler is required)

- Unpack the package by typing the following linux command :
  tar -xvzf PROM7-PRD-2025-10-31.tgz

- Go to the folder PROM7_PRD :
  cd PROM7_PRD

- The folder contains the following files: intica.dat, intinc.dat, model.dat, tembri.dat, makefile, pr7prd.f90

- The file to modify is ``model.dat'' : the first parameter corresponds to the option for prominence (=1) or filament (=0) and the second parameter represents the number of models to be computed. These models defined below are defined by temperature, pressure, structure thickness, microturbulent velocity and altitude

- Run the code by typing :
  make
  ./pr7prd

- The output files are : resume.dat, profil.dat, profil.ps, fort.66 (transitions list)

- The folder **results** contains the output files corresponding to a test case to be able to check if your results are good

Martine Chane-Yook