

Running program with gfortran compiler on Linux system

- Download the package source file from [MEDOC](#) website :
1D-filament-2-level-atom-ALI-2025-10-31.tgz
- **gfortran** compiler is required
- Unpack the package by typing the following linux command :
tar -xvzf 1D-filament-2-level-atom-ALI-2025-10-31.tgz
- **cd 1D_filament_2_level_atom_ALI**
- The folder contains the following files : ali.f90, general.f90, lambda_it.f90, makefile, param.f90, intensite_incidente_L_alpha, Ne_prom7prd, NH_prom7prd
- **make**
- **./lambda_it**
- To plot results with **gnuplot** software : commands are in file ali.f90 (fort.113)
- The folder **results** contains the output files corresponding to a test case to be able to check if your results are good
- Before running the program again, type **make clean**

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