



LaPalma Application Form

New Users

1. Title of project to be carried out at the LaPalma computer.
2. Brief description of the research project (recommended maximum: 300 words).
3. Outline the computational algorithms and codes to be used at the LaPalma computer. Explain the parallelization capabilities of the code(s) and any scaling test performed on them.
4. Do you require any specific software and numerical libraries to be installed in LaPalma?
5. List the names of the members of your research team that should have access to the LaPalma computer. If they are external to the IAC, indicate their affiliation.
6. Resources requested:
 - a) estimated min. and max. number of processors needed for each job.
 - b) average job duration in hours.
 - c) estimated number of jobs to submit.
 - d) level of interprocess communication of the jobs: (tight, loose, none).
 - e) estimated total time needed (in thousands of CPU*hours).

Note: in order to calculate this you multiply the number of jobs to submit by the average number of processors needed by each job and by the average job duration. For example, 20 jobs where each takes 24 wall-clock hours to complete running with 15 processors would require 7200 CPU hours ($20*24*15$).

- e) total disk space for the home directory (in Gigabytes).
- f) total scratch space (Gigabytes).