

Phase 1 Instructions to the 2023 CfP for APEX telescope observations

1. List the names of the applicants and their institutions. Also specify whether the applicant is a student.
 - a. Name of the principal contact and his/her contact details.
 - b. If the proposal includes a student, name the student's supervisor(s)
2. Summary of the project
 - a. Provide a title for the project
 - b. A brief summary of the proposed observations and scientific objectives.
3. List the requested instrument(s), frequencies corrected for redshift, and the necessary set up if applicable. The available instruments are nFLASH and LASMA. The details of the available instruments are available at: www.apex-telescope.org/ns/nflash/ & www.apex-telescope.org/ns/lasma-large-apex-sub-millimetre-array/. You can use the Instrument Setup Tool available at www.apex-telescope.org/ns/instrument-setup-tool/ to find the right tuning for your science goal.
4. Provide the requested number of hours, including overheads. To estimate how much time you need to complete your project, use the Observing Time Calculators available at www.apex-telescope.org/ns/observing-time-calculators/. Also, provide the number of additional hours that are needed to complete the project and that will be requested in future period in 2025.
5. Previous proposals – provide a brief summary/report of previous successful applications (max. 2) for this, or similar telescopes/instruments. You may list any resulting publications.
6. Provide a detailed observing plan
Please take into account that the APEX operations are restricted to observations in the night and morning shifts, hence focusing on the best weather conditions. Observations are therefore in general conducted between 20:00 and 12:00 local time and the corresponding visibilities of targets should be considered.
 - a. Use the observing time calculators (see the links above) to justify the requested time on targets
 - b. Provide estimates of requested RMS sensitivity, velocity resolution and expected peak antenna temperature
 - c. Comment on required/preferred weather conditions in terms of PWV
7. List all targets to be observed during this period. Provide the J2000 RA and Dec coordinates, time on source (including overheads). If applicable, rank your targets in order of priority (1=highest).
8. Scientific justification is limited to 2 pages including figures and references (font size set to 11 pt).

