Call for Proposals on IRAM Telescopes

The deadline for submission of observing proposals on IRAM telescopes, both the NOEMA interferometer and the 30-meter telescope, for the summer semester 2024 is

14 March 2024, 17:00 CET (UT + 1 hour).

For both observatories, the scheduling period is 01 June 2024 to 30 November 2024.
IRAM proposals should be submitted through the ***P**roposal **M**anagement **S**ystem* (**PMS**) at URL:

http://oms.iram.fr/pms/

Rules on preparing proposals can be found here. In addition, PMS provides on-screen instructions to guide the proposal editor through the submission process.

A detailed and updated description of the capabilities of the 30-meter telescope and the current status of NOEMA are given in two documents on the call for proposals page of the IRAM science portal.

Proposers are encouraged to check the header archive at the CDS for possible duplications of observations. In addition, the sources of the MIOP and NIKA2 Large Programs running in guaranteed time are protected during their proprietary period, as listed here.

Information on submission of proposals for VLBI is given on the website of the Global mm-VLBI Array (GMVA) for 3 mm observations and on the website of the Event-Horizon Telescope (EHT) for shorter wavelengths. VLBI proposals requesting time on the IRAM observatories are reviewed by the IRAM Program Committee.

General rules for observing time at the IRAM observatories are given here. A web page provides information on proprietary periods and data policy. European travel funds are available to support visits of eligible astronomers. Publications resulting from observations with IRAM observatories should include an acknowledgment.

C. Kramer & J.M. Winters

The 30-meter Telescope

After the upgrade of the 30-meter servo system, science observations are scheduled to resume on 06 February. During the remaining 4 months of the winter semester, A-rated projects will be scheduled with priority. However, it will be hard to accommodate all accepted projects and it is hence advisable to resubmit for the March deadline. Commissioning activities will continue in the coming months to ensure optimal performance for observations. For the summer semester, further improvements of the telescope and the instruments are planned.

Projects in the LST range 10-15 hours, outside the popular Orion and Galactic Center ranges, are greatly welcome.

Submission of proposals for new open time Large Programs of more than 100 hours running over several semesters with NIKA2 in total power and EMIR are encouraged.

It is recommended that the length of regular, open time NIKA2 proposals in total power or polarimetry do not exceed 20-30 hours to allow for completion within one semester. A local contact will be assigned to projects without an expert on NIKA2. The new NIKA2 1mm polarimetry observing mode is offered in open time. Observing pools are planned to be scheduled in October/November.

The updated version of the 30-meter capabilities document contains further news. It is available on the `Call for Proposals` page.

The 30-meter Science Operations Group (sog@iram.es) is available to address inquiries regarding the ongoing performance enhancements and the feasibility and optimization of projects.

C. Kramer & M. Sanchez Portal

The NOEMA Interferometer

For the upcoming summer semester we will offer the two most compact configurations of NOEMA. Due to ongoing work for the commissioning of the dual-band receivers and groundwork for the installation of the second PolyFiX correlator, in parallel with scheduled maintenance operations, both antenna configurations will be operated using the 10-antenna array. The 12-antenna C-configuration might be available again toward the end of the summer semester. The preliminary schedule is outlined in Table 1. Adjustments to this provisional configuration planning will be made according to commissioning requirements, proposal pressure, weather conditions, and other contingencies.

Table 1: Configuration Schedule for the Summer 2024 period

Conf	Scheduling Priority
10D	June – September
10C	October – November

Science targets that either can be self-calibrated, are circumpolar, or request ANY configuration, and hence allow flexible scheduling, are greatly welcome. Please be aware that proposals focusing on extensively-studied extragalactic fields like COSMOS and GOODS-North significantly increase the competition for observing time, especially for sources within the Local Sidereal Time (LST) range between roughly 07h and 17h.

Two correlator modes of PolyFiX are available, which offer the possiblity to seamlessly cover the full bandwidth provided by NOEMA with spectral resolutions of either 2 MHz or 250 kHz. The 2 MHz spectral resolution mode can optionally be combined with a number of additional high-spectral resolution windows at 62.5 kHz channel spacing.

In the upcoming summer semester we offer on a best effort basis the new, currently experimental, frequency cycling mode, i.e. cycling between two LO frequencies separated by 7.744 GHz at 3 mm using the same spectral setup. This mode provides a continuous frequency coverage of $\sim$ 31 GHz sharing the same calibration and the same observing conditions.

A detailed description of the current NOEMA capabilities and organizational considerations are given in a separate document on the `Call for Proposals` pages (or click directly on `this link` for the pdf document).

The NOEMA Science Operations Group (sog@iram.fr) will be available to assist with program feasibility and optimization inquiries.

J.M. Winters