



ISAAC NEWTON GROUP OF TELESCOPES
Roque de Los Muchachos Observatory, La Palma

**ANNOUNCEMENT OF OPPORTUNITY FOR WEAVE SCIENCE
VERIFICATION PROJECTS**

Following on-sky commissioning of WEAVE, the new multi-object spectroscopic survey facility for the WHT:

<https://ingconfluence.ing.iac.es/confluence//display/WEAV/The+WEAVE+Project>

in spring 2020, a science verification (SV) programme will be conducted, comprising small, well-defined SV projects from the WEAVE surveys and from the ING community. With this announcement, the ING and the WEAVE instrument consortium invite the ING community to submit letters of intent for WEAVE SV proposals. A total of 30 – 45 hours is likely to be available for these community WEAVE SV projects.

WEAVE's observing capabilities are described on:

<http://www.ing.iac.es/astronomy/instruments/weave/weaveinst.html>

Proposals that exploit any of WEAVE's capabilities will be considered. However, strong preference will be given to proposals which exploit WEAVE modes not being used in the WEAVE surveys, namely:

- Mini-IFU (mIFU) observations with the high-spectral-resolution modes (blue+red HR and green+red HR)
- Large-IFU (LIFU) observations with the blue+red HR mode

Non-survey SV observations in MOS, low-resolution mIFU or low-resolution LIFU modes will be considered when they do not replicate the science of the WEAVE surveys. The eight planned surveys, organised by the WEAVE Survey Consortium, are described on:

<https://ingconfluence.ing.iac.es/confluence//display/WEAV/Science>

The 30 – 45 hours available (in 1-hour observing blocks) for non-survey SV projects correspond to 30% of the total 14–18 nights being committed to the full SV programme (30% being the agreed fraction of non-survey time on the WHT during the era of the WEAVE surveys).

Data from all SV projects, including those carried out by the WEAVE Survey, will be made public to the ING community and to the WEAVE Survey Consortium immediately after data reduction and analysis by the WEAVE pipelines. These data will be available to the ING community and the WEAVE Survey Consortium, through a dedicated portal of the WEAVE archive system.

Applicants for this time should note that under the agreed publication policy for WEAVE, 'builders' of WEAVE can request co-authorship of any resulting publications. Further information about the publication policy is available from Scott Trager (sctrager@astro.rug.nl) or Shoko Jin (jin@astro.rug.nl).

Letters of Intent for community SV projects should be submitted by midnight (24:00 UT) on 1 October 2019, via the link:

http://c.ing.iac.es/service/weave_SV.php

Each letter of intent should indicate the WEAVE modes required (MOS, mIFU or LIFU; low-resolution or high-resolution; and if high-resolution, which blue-arm VPH) and the amount of time and observing conditions (seeing, sky brightness, transparency) needed on-sky, and should give a 1-paragraph summary of the science goals.

Based on these letters of intent, prospective SV PIs will be contacted and given further information about preparation of final proposals. They will also be invited to a community SV workshop at IAC in Tenerife, tentatively scheduled for 14–15 November 2019, where key members of the WEAVE science and instrument teams will provide more information about WEAVE’s capabilities, the data-reduction and analysis pipelines and the data archive. Final proposals should be submitted to ING by 15 December 2019. A combined ING/WEAVE panel will select the proposals to be observed, and these will be announced in February 2020.

The timeline for this call for community SV projects is therefore as follows:

1 October 2019	Letters of Intent due
14–15 November 2019	Community (non-survey) SV workshop in Tenerife
15 December 2019	Final proposals due
Early February 2020	Announcement of SV projects
Following WEAVE commissioning (~spring 2020)	Observation of SV projects

Queries can be emailed to the undersigned.

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