

CALL FOR MUSE NFM SCIENCE VERIFICATION PROPOSALS

Deadlines

SV Run: 7-12 August 2018

Deadline for SV proposals: 30 May 2018 18:00 CEST

MUSE, the Multi-Unit Spectroscopic Explorer, is an Integral Field Spectrograph located at the Nasmyth B focus of Yepun, the VLT UT4 telescope. It has a modular structure composed of 24 identical IFU modules that together sample, in Narrow Field Mode (NFM), a near-contiguous 7."5 times 7."5 field of view. Spectrally the instrument samples almost the full optical domain with a mean resolution of 3000. With the GALACSI Adaptive Optics system in combination with the VLT Adaptive Optics Facility, MUSE will offer an AO-corrected 7".5 by 7."5 field of view with 0.025 arcsecond sampling.

The new MUSE mode is offered to the community for Science Verification (SV) for 5 nights in August 2018. All astronomers are invited to participate in this opportunity to obtain unique science with MUSE AO-supported narrow-field mode and thus to demonstrate its scientific capabilities. The deadline for this call for proposals is 30 May 2018, 18:00 CEST. A call for proposals has been issued and the community is invited to submit proposals for the MUSE NFM SV using the simplified proposal template.

Proposals will be reviewed by an internal panel and allocated time on the basis of scientific merit and feasibility, as well as in the demonstrated ability of the Principle Investigators to deliver results on a timely basis.

The observations will be conducted in Service Mode by a dedicated team of ESO astronomers. The MUSE NFM SV team will be able to assist the successful PI's in the preparation and optimisation of the OB's on a best effort basis only.

The latest version of the MUSE data reduction pipeline will be available for reduction of the SV data and the SV team will try - on a best efforts basis - to provide pipeline-reduced data to all SV PIs. Proposers are reminded that all SV data are made public worldwide immediately after passing the usual quality control checks. This will also apply to data processed by the SV team.

Please read carefully the MUSE NFM documentation available at the SV web page (<http://www.eso.org/sci/activities/vltsv/musenfmsv.html>), and use the exposure time calculator (www.eso.org/observing/etc/) to estimate the exposure times. Overheads may be estimated using the information related to the WFM-AO in the Overheads webpage (<http://www.eso.org/sci/facilities/lpo/cfp/overheads.html>).

Please use the special LaTeX template that can be downloaded from the MUSE NFM SV web site (<http://www.eso.org/sci/activities/vltsv/musenfmsv>).

Proposals may also be prepared using any suitable text editor following the guidelines of the LaTeX template, but please send us **only the pdf output** and please do not send finding charts now. The SV team will request these in due course.

Applications should be sent by EMAIL to musesv@eso.org not later than 30 May 2018, 18:00 CEST.