

Granada, 26 June 2020

To: GTC Office

This letter is to express the interest of the Instituto de Astrofísica de Andalucía (IAA-CSIC) in the MAAT project at GTC, as it is led by Prof. Francisco Prada, Research Professor at the IAA-CSIC. MAAT@GTC is devised as a Visitor IFS- mode for the OSIRIS spectrograph at the 10.4 m GTC and will provide seeing-limited and wide-band Integral-Field Spectroscopy at low/moderate spectral resolution in the 360 - 1000 nm spectral range.

The research supported through this project will cover a wide range of science topics that encompasses the entire astronomy given its observing capabilities, and will have a strong impact in the field of Transients and time-domain Astrophysics, allowing the characterization of the nature and evolution of both the transients and their host galaxy environments. Additionally, the GTC equipped with OSIRIS+MAAT would also play a fundamental role in synergetic studies to be explored with other Spanish observatories and in upcoming surveys at different wavelengths with other facilities such as LSST, SKA, among others.

The field of expertise of the involved IAA researchers is mostly connected to Extragalactic Astronomy and Cosmology. However, the top-level requirements of MAAT@GTC encompass a wide range of scientific fields also developed at IAA whose researchers could benefit from the scientific exploitation of the instrument.

The Instituto de Astrofísica de Andalucía (CSIC), as well as other partners on this initiative, will support the PI of the project, as an IAA-CSIC member, to seek funds for covering the project's requirements in terms of material and human resources.

Sincerely,

Antonio M<sup>a</sup> Alberdi Odriozola  
Director  
Instituto de Astrofísica de Andalucía (IAA-CSIC)