ID 75

Tipo de Comunicación: Oral

Sesión Científica: Galaxias y cosmologia

Titulo: Emitting objects in OTELO survey: AGN analysis

Nombre (Autor que presenta): Marina

Apellidos (Autor que presenta): Ramón Pérez

Apellidos y nombre de los autores: Ramón-Pérez, M.; Bongiovanni, A.; Cepa, J.; Pérez-García, A.; Pérez-Martínez, R.; Alfaro, J.; Castañeda, H.; Ederoclite, A.; González-Serrano, J.I.; González, J.J.; Gallego, J.; Sánchez-Portal, M.

Resumen:

OTELO (Osiris Tunable Emission Line Object survey) has become the deepest emission-line survey to date using the Tunable Filters of the OSIRIS instrument at the GTC. The observations of OTELO\'s first pointing on the Extended Groth Strip have been completed. The data have been reduced and a final deep image with limiting flux of 1.8.10-20 erg/s/cm2/angstrom (mAB=27.18) has been obtained. Over this image, 11237 objects have been detected up to 3 sigma. A first multiwavelenght catalogue of all the objects in the field has been built using public archive data from X-Rays to Infrared. A selection of the emission-line candidates in the field has then been made. They account for about 10% of the total number of objects. Finally, the photometric redshifts of these potential emitting candidates has been derived. The procedure followed to discriminate between Star-Forming Galaxies and AGN includes diagnostic and color-color diagrams, as well as the complementary information in X-Rays and MIR. In this talk, we present the latest results obtained from the analysis of the emitting sources found in OTELO field of view, focusing on the properties of the population of Active Galactic Nuclei (AGN) with special emphasis on low-luminosity ones.