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**TITLE:** Detection and Analysis of Symbiotic stars in the IGAPS footprints

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**ABSTRACT:**

The known number of Galactic Symbiotic stars (SySts) is ~275 while the theoretical prediction is greater than 3000 objects. This would imply the existence of a census problem. In order to increment the number of SySts in the Galaxy, we used data mining and data cross-check of IGAPS (and SDSS) data associated to selection criteria in the optical and infrared. As a result, 598 new candidates were found. In order to confirm the symbiotic nature of a first small sample we performed optical spectroscopic observations with the Boller & Chivens spectrograph mounted on the 2.12m telescope at the Observatorio Astronómico Nacional de San Pedro Mártir (Mexico). We present in this poster two newly identified symbiotic stars: i) IPHAS J190242.78-030037.0 whose spectral characteristics are very clear and allow an unambiguous classification, and ii) IPHAS J195611.02+381554.2 which might be part of the population of "hidden symbiotics" which are deficient in hydrogen.