

The Galactic O-Star Spectroscopic Survey (GOSSS): new results from the southern stars

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Abstract

The Galactic O-Star Spectroscopic Survey (GOSSS) is a project that will observe all known Galactic O stars with $B < 14$ in the blue-violet part of the spectrum with $R \sim 3000$. It is based on v2.0 of the the most complete Galactic O star catalog with accurate spectral types (Maíz Apellániz et al. 2004, ApJS, 151, 103; Sota et al. 2008, RevMexAA Conf. Series, 33, 55) that we have recently compiled. We have completed the first part of the main project and recently published the first articles (Walborn et al. 2010, ApJ, 711, 143; Walborn et al. 2011, AJ, 142, 150; Sota et al. 2011, ApJS, 193, 24). GOSSS is part of a bigger project with the next companion surveys: High resolution spectroscopic surveys: OWN, IACOB, IACOB-sweG, NoMaDS, CAFÉ-BEANS High resolution imaging surveys: Astralux, Astralux Sur.