

Interaction history of the LMC and SMC: Spectroscopic observations with SALT telescope of Cepheids from the Magellanic Bridge

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The interaction between the Milky Way, the Large Magellanic Cloud (LMC) and the Small Magellanic Cloud (SMC) led to the formation of a complex Magellanic system, especially the Magellanic Bridge (MB), a stream of HI that linking both clouds which also includes stars. To better constrain numerical simulations describing the MW/LMC/SMC interactions we observed the entire Cepheid population in the Magellanic Bridge using spectral instruments installed at SALT telescope. The brightest Cepheids were observed with echelle (R 39000), where the rest was observed using the long-slit mode (R 2000). We will present this sample, our analysis and our first results.