

Title: Ionization Parameter Mapping in the Clouds

Abstract: A new application of the Magellanic Cloud Emission Line Survey (MCELS) has been used to produce ionization parameter maps of the dense and diffuse ionized gas of the Magellanic Clouds. These maps reveal insights into the propagation of ionizing radiation far from the sights of current star formation and have allowed us to redefine the boundaries of +600 SF regions with a novel, physically motivated criteria. I will provide an overview of our method and initial results. This includes progress on the connection between stellar feedback, ionization parameter and dust heating within and outside the dense HII region boundary.