



The Low Metallicity Interstellar Medium

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Metallicity is one of the key parameters that governs the physics of the interstellar medium (ISM). Through its effects on a wide range of heating and cooling processes, metallicity is critical to setting the phase balance of the ISM. Because it also governs the dust-to-gas ratio, metallicity affects all ISM processes that depend on dust. In this lecture, I will describe our understanding of how low metallicity impacts the physical processes in the ISM. I will outline what observational constraints exist for the low metallicity ISM and the prospects for future observations, simulations, and theory in this area.