

Abstract Submitted
for the 4CF14 Meeting of
The American Physical Society

Solar Abundances in the Open Cluster M67 PARKER HOLZER,
University of Utah, COSMIC ORIGINS TEAM¹ — The open cluster M67 has been one of the most studied star clusters in our galaxy, mostly because it is located fairly close to our Solar System and contains stars that are very similar to our Sun. However, there have been many disagreements over the solar composition of this cluster, and how abundant certain metals are in it. If we are to understand these abundances more fully we could further understand how this cluster formed, which would allow us to further understand the environment that our Sun was probable to have been formed in. The purpose of this project is to use many spectrum and stellar parameters recently derived by APOGEE to both measure the equivalent widths and metallicity of individual stars in M67. The anticipated outcome of this project is that we will get more precise measurements of the metal abundances, to more accurately understand their origin.

¹This is an astronomy research group at the University of Utah.

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Date submitted: 13 Sep 2014

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