

Contributed Talk

Splinter Populations

MUSE – THE DISCOVERY MACHINE

T.-O. Husser¹, S. Kamann^{1,2}, S. Dreizler¹, and students

¹*Institut für Astrophysik, Georg-August-Universität Göttingen*

²*Liverpool John Moores University, Astrophysics Research Institute*

Within the MUSE collaboration we are doing a large survey on Galactic globular clusters using GTO time. While having well-defined science goals like cluster dynamics, binaries, and multiple populations, this “blind” survey yielded plenty of new projects and interesting targets. We work on, for instance, Ca triplet spectroscopy, mass-dependent dynamics, photometric variables, blue straggler stars, ISM/extinction, and more. Furthermore we found exotic objects like companions of black holes and neutron stars, plenty of cataclysmic binaries, and other emission line objects. In this talk I want to summarize the work that we have done within the globular cluster project and give an outlook to future plans.