MEASURING THE MILKY WAY

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1. Abstract

The size and shape from distribution of variable stars age from the number distribution of variable stars

2. Description of the Proposed Program

A) Scientific Rationale:

- Use gri data to identify variable stars
- Use Period-Luminosity relationship to get distance
- Map 3D spatial distribution
- Determine deviation of variable stars from model
- Variations arise from non-gravitational effects
- Figure out dark matter distribution
- B) Immediate Objective:

Measure the size, shape, and age of Milky Way spiral arms.

- 3. Scientific Justification of Requested Observing Time, Feasibility, and Visibility
- 4. Technical Justification of Duplication
- 5. Report on Previous Swift and Related Programs
- 6. References

Author1 A. et al., YYYY, Journal, Vol., page

7. Budget Narrative

Figure 1: Left panel: here you see... Right panel: here you see...