

Abstract Submitted  
for the TSF10 Meeting of  
The American Physical Society

**Mapping the Galaxy with LISA** JOSE MCKINNON, MATTHEW BENACQUISTA, UTB/TSC — We have developed a Matlab Fisher Matrix code in order to study how LISA observations of Galactic compact object binaries can be used to better understand Galactic structure. The code simulates the results of data analysis and estimates the variance and covariance of recovered parameters. We will use the recovered parameters to estimate Galactic structure. Here we present first results applied to a standard Galaxy model.

Jose Mckinnon  
UTB/TSC

Date submitted: 07 Oct 2010

Electronic form version 1.4