

Preliminary Funding Application

Requesting Investigator:

Name: Snezana Stanimirovic
 US Institution: Yes
 Email: sstanimi@astro.wisc.edu
 Other related Awards: none

Miscellaneous Expenses:

Student Travel: 1500
 Computer Hardware: 1500
 Estimated Budget: 3000.00

Student Stipends:

Student	US Institution	Budget	Assignment
Lou Nigra	Yes	32000.00	<p>Two semesters of funding will be essential to undertake observations, reduce data, and undertake analysis of the interface regions between the Magellanic Stream clouds and the Galactic halo gas.</p> <p>The initial analysis will focus on: characterizing the morphology of the neutral interface regions, searching for the signatures of Stream's aging, and the comparison of measured HI column densities and velocity line profiles with predictions by the Bland-Hawthorn et al. (2007) model.</p> <p>If observing time is granted for the spring09 and/or summer09, we expect to have preliminary results to present at the Jan 2010 AAS meeting.</p> <p>The student will spend several weeks (at least) at the GBT during observations and initial stages of data reduction. This will be essential to interact with the GBT staff and learn the most optimal way to</p>



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			calibrate data and produce data cubes. A close supervision by Jay Lockman is expected to assess the issue of stray radiation and any potential technical problems with the data.