

# HASP Directional Cherenkov Detector

## May 2011 Status Report

### Activities

Testing is ongoing using a single front end module and an Arduino microcontroller. The testing is to ensure that the electrical system will work as planned. The testing is also being used to verify that the software written for reading pulse heights works as designed. The testing is currently being done using a function generator to simulate the PMT pulses.

The structure of the payload was redesigned to be made of foam and wood in order to support the relatively heavy radiators while still keeping a light weight. A further redesign of the structure will move the electronics out of the path of a particle moving through the radiator.

### Team Management Structure

Team Electron Volt is comprised of Jace Boudreaux and Sean McNeil. Contact information and individual roles are shown in [Table 1](#).

Table 1 – Team Management Structure

Name	Sean McNeil	Jace Boudreaux	Dr. Gregory T. Guzik
<b>Roles</b>	<ul style="list-style-type: none"><li>• Software</li><li>• Testing</li><li>• Calibrations</li><li>• Data Analysis</li></ul>	<ul style="list-style-type: none"><li>• Project Management</li><li>• Electrical</li><li>• Mechanical</li></ul>	<ul style="list-style-type: none"><li>• Faculty Advisor</li></ul>
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