



Apr 21st, 1:15 PM - 2:15 PM

Development of a Data Acquisition and Analysis System

Michael V. Mores, '02
Illinois Wesleyan University

Jeremiah Williams, Faculty Advisor
Illinois Wesleyan University

Follow this and additional works at: <https://digitalcommons.iwu.edu/jwprc>

Mores, '02, Michael V. and Williams, Faculty Advisor, Jeremiah, "Development of a Data Acquisition and Analysis System" (2002). *John Wesley Powell Student Research Conference*. 19.

<https://digitalcommons.iwu.edu/jwprc/2002/posters3/19>

This is protected by copyright and/or related rights. It has been brought to you by Digital Commons @ IWU with permission from the rights-holder(s). You are free to use this material in any way that is permitted by the copyright and related rights legislation that applies to your use. For other uses you need to obtain permission from the rights-holder(s) directly, unless additional rights are indicated by a Creative Commons license in the record and/ or on the work itself. This material has been accepted for inclusion by faculty at Illinois Wesleyan University. For more information, please contact digitalcommons@iwu.edu.

©Copyright is owned by the author of this document.

Poster Presentation P16

DEVELOPMENT OF A DATA ACQUISITION AND ANALYSIS SYSTEM

Michael V. Mores and Jeremiah Williams*
Department of Physics, Illinois Wesleyan University

In order to study the plasma state, we have begun constructing a radio-frequency plasma device at Illinois Wesleyan University. In this poster, we present the data acquisition system that was written for this project using LabVIEW. We have also written routines to extract relevant information, such as plasma temperature, density, and magnetic field fluctuations, from standard plasma diagnostic tools such as the Langmuir Probe and the B-Dot Probe.