

Abstract Submitted  
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**Design and construction of a Hall Effect Measurement system<sup>1</sup>**

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Angelo State University — We have constructed a Hall Effect sample holder that facilitates quick sample change and insures that the sample is uniformly located for each measurement. The 4 point off-the-shelf sample card was integrated into an existing floor magnet with custom designed and constructed mounts. The sample holder is well suited for these measurements, allowing for adjustments in all three of the coordinate axes directions so that even small samples can be accurately positioned for measurement between the poles of the magnet. The sample holder is interfaced and controlled with LABView software. The measurements are made using a suite of Keithley instruments. The design and construction will be discussed and preliminary calibration of the Hall Effect system will be presented.

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