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Vector Analyzing Power Measurements During CREX[1] ROBERT RADLOFF, Ohio University, PREX-II COLLABORATION — In elastic electron nucleus scattering where the electron's polarization is perpendicular to its momentum, a vector analyzing power is proportional to the imaginary component of the two photon exchange process. The analyzing power was measured for ^{40}Ca, ^{48}Ca, ^{208}Pb, and ^{12}C using a 2.2 GeV electron probe. Calcium provides a useful insight into intermediate nuclei to fill the gap in experimental data between Aluminum and Lead. The measurement of two isotopes of calcium gives information about any Z independent effects that may exist. Preliminary results will be shown.

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