

Abstract Submitted
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Measurement of the beta asymmetry in ^{19}Ne and a new determination of V_{ud} . LEAH J. BROUSSARD, North Carolina State University, FRANK CALAPRICE, Princeton University, GORDON JONES, Hamilton College, ALBERT YOUNG, North Carolina State University — A new analysis of the 1996 Princeton ^{19}Ne beta asymmetry experiment was undertaken with particular emphasis on correcting for the effect of positron scatters off of the detector faces. The experiment was simulated using the Monte Carlo package PENELOPE. Applying the correction generated by the simulation to the data yields a zero energy intercept of the asymmetry (A_0) with a 2.0

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