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A new comparison of the F_2^A/F_2^p and F_2^A/F_2^n structure function ratios \f1 NARBE KALANTARIANS, Virginia Union University, CYNTHIA KEPPEL, HOLLY SZUMILA-VANCE, Jefferson Lab — h $-abstract-$\pardUsing electron scattering data from SLAC E139 and muon scattering data from NMC in the DIS region, we determine the F_2^A/F_2^p and F_2^A/F_2^n structure function ratios, spanning 0.07le x_B le 0.7 and 1 le Q^2 le 200 GeV/c^2 and 0.006 le x_B le 0.6 and 1 le Q^2 le 55 GeV/c^2, respectively. This region is of particular relevance to studies of EMC Effect. Assuming no Q^2 dependence, we compare the structure function ratios for isoscalar nuclei and study non-isoscalar nuclei with the possibility to look for flavor dependence. This talk will present the results of the mentioned ratios for isoscalar nuclei using the new F_2^n global data from the CTEQ-JLab Collaboration.\pard-/abstract-\

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