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**Study of Nuclear Shadowing at MiniBooNE** ALESSANDRO CURIONI, Yale University, MINIBOONE COLLABORATION — The total cross section for a lepton on a nucleus of atomic mass  $A$  is typically less than  $A$  times the cross section for a single nucleon; this effect is known as nuclear shadowing (NS). While well established for charged lepton-nucleus interactions, NS is much less well established, both theoretically and experimentally, for neutrino-nucleus interactions in the low energy ( $\sim 1$  GeV), low transferred momentum regime. We present our program to study NS in this regime using MiniBooNE data, which represent a unique high statistics data sample.

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