

## **NUCLEON STRUCTURE FUNCTIONS AND HIGH ENERGY NEUTRINO DETECTORS**

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A novel method to study the low  $x$  behavior of the DIS structure functions from the measurement of the average inelasticity in UHE neutrino interaction is presented. We also estimate the effect of nuclear shadowing in the UHE neutrino-nucleon cross section, which is relevant for the calculation of the event rate in neutrino telescopes.