

ULTRA HIGH ENERGY NEUTRINO-RELIC NEUTRINO INTERACTIONS IN DARK HALOS SOLVING INFRARED-TEV AND GZK CUT-OFF

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Ultra High Energy Neutrino scattering on Relic Light Neutrinos in Dark Galactic or Local Group lead to Z and WW,ZZ showering : the nucleon component of the shower may overcome the GZK cut-off while the electromagnetic tail at TeVs up to EeVs energy may solve the Infrared-TeV cut-off in a natural way. Different Gamma TeV puzzles may find a solution within this scenario: new predictions on UHECR spectra in new data are derived.