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UHE neutrinos and Z'/W'

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A wide range of models beyond the Standard Model predict charged and neutral resonances, generically called W' - and Z' -bosons, respectively. During this talk I will present our study on the impact of such resonances on the deep inelastic scattering of ultra-high energy neutrinos as well as on the resonant charged current $\nu^- e e^-$ -scattering (Glashow resonance). We find that the effects of such resonances can not be observed with the Pierre Auger Observatory or any foreseeable upgrade of it.

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