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Could we have a Prism for Neutrinos?

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Neutrinos during propagation are influenced by matter effect. It turns out the refractive index depends on how neutrinos interact with a medium. This gives us an incentive to study neutrino dispersion phenomena under the facets of energy, flavour, and neutrino/antineutrino. We further investigate if there is a practical application.

Primary authors: CHANG, Kung-Yu (Department of Physics, National Tsing Hua University, Hsinchu 30013, Taiwan); Prof. SPINRATH, Martin (Department of Physics, National Tsing Hua University, Hsinchu 30013, Taiwan)

Presenter: CHANG, Kung-Yu (Department of Physics, National Tsing Hua University, Hsinchu 30013, Taiwan)

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