

The Unruh effect for mixing neutrinos

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Since its conception as a solution to the missing energy problem of the beta decay, the neutrino has proven to be a fruitful source of interesting questions. One that has drawn recent interest is if the existence of multiple families of mixing neutrinos is compatible with the Unruh effect, which states that uniformly accelerated observers see a thermal bath of particles where inertial ones see nothing. In this talk we shall revisit mixing neutrinos in the context of quantum field theory and answer the preceding question affirmatively: The Unruh effect is perfectly compatible with mixing neutrinos.