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## Flavor Invariants and CP Violation in the Leptonic Sector with Majorana Neutrinos

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The flavor invariants, which are invariant under the unitary transformation in the flavor space, turn out to be a powerful tool in studying the CP violation in a model-independent way. In this talk, I will discuss the application of the flavor invariants in constructing the sufficient and necessary conditions of CP conservation in the leptonic sector with Majorana neutrinos. Furthermore, the systematic construction of all the basic invariants using the method of Hilbert series will be briefly introduced.

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