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Neutrinoless double beta decay NME for LRSM

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Left-right symmetric model (LRSM) offers rich phenomenon of particle physics. One of which is the neutrinoless double beta decay, besides the light neutrino mass mechanism, it also provide possibilities of other mechanisms. In my talk, I will focus on the mechanism mediated by the light neutrino, and give the corresponding NMEs from two nuclear many-body approaches: Large Scale Shell Model and proton-neutron quasi-particle random phase approximation. We also compare the current results with the popular EFT master formula.

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