

Recent approaches for assessing the nuclear matrix elements for double beta decays and double electron captures

Wednesday 3 July 2024 15:45 (45 minutes)

In my talk I will present new statistical methods for assessing the values and their uncertainties of the nuclear matrix elements for neutrinoless double beta decays, two neutrino double beta decays, two neutrino double electron capture, and neutrinoless double electron capture. The analyses are made within the traditional shell model approach. Examples for ^{48}Ca , ^{82}Se , ^{124}Xe , and ^{136}Xe will be provided.

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