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Shell-model study of nuclear isomers in Sn and Pb region

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The neutron-rich nuclei in the vicinity of ^{132}Sn and ^{208}Pb regions exhibit an abundance of nuclear isomers. The existence of the different isomers alludes to the dominance of proton or neutron excitations for low-lying states. Thus the observed structure and transition probabilities can be easily described in terms of the seniority scheme for the low-lying structure near Sn and Pb region. In this meeting we will present our recent results of nuclear isomers for these two regions using large-scale shell model.

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