High-spin isomers in nuclei around the N=82 shell closure

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The recent observation of high-spin isomers in Neodymium nuclei around the N=82 shell closure triggered new experimental investigations aiming to the identification of other similar isomers in the neighboring nuclei. The results of a lifetime measurement of the 6-quasiparticle 20^+ isomer in ^{140}Nd and of the 3-qp isomer above the $19/2^+$ state in ^{139}Nd represent a strong support to the cranked Nilsson-Strutinsky calculation. New experiments for the search for isomeric states with even higher spins and excitation energies in ^{140}Nd and high-spin isomers in ^{136}Ba will be discussed.