

## The pairing-interaction impact on the beta-decay characteristics and multi-neutron emission of the neutron-rich $^{126,128,130,132}\text{Cd}$

The effects of the residual interaction in the particle-particle channel on  $\beta$ -decay characteristics and the multi-neutron emission probabilities in the  $\beta$ -decay of  $^{126,128,130,132}\text{Cd}$  are studied within the quasiparticle random phase approximation with the Skyrme interaction. The coupling between one- and two-phonon terms in the wave functions of the low-energy  $1+$  states of the daughter nuclei is taken into account. It is shown that the inclusion of the spin-isospin interaction in the particle-particle channel leads to the reduction of half-lives and the redistribution of one- and two-neutron emission probabilities. The competition of tensor interaction and neutron-proton pairing in the  $\beta$ -decay characteristics of the neutron-rich Cd isotopes is discussed.

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