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# Structure of 10Li in one-neutron transfer reaction 2H(9Li,p)

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Beside of the general interest to structure of the light exotic nuclei 10Li attracts attention of theoreticians as well as experimentalists because this nucleus is a binary subsystem of famous halo-nuclei 11Li. Last time many experiments were devoted to study the structure of low energy spectrum of 10Li but to the moment the status is far from consensus, even the spin-parity of the ground state is still an open question. We perform the experiment aimed to study the low energy spectrum of the 10Li populated in one-neutron transfer reaction 2H(9Li,p) at 28 MeV/nucleon beam energy. That is one of the first experiments at new fragment separator ACCULINNA-2. The data analysis is in progress and here we present the preliminary results clarifying the structure of 10Li low energy spectrum.

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