ANOMALIES IN THE EXCITATION SPECTRUM OF ^{5}He NUCLEUS AT E*~20 MEV

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The discrepancies in spectroscopy data for ^{5}He levels at E* ~ 20 MeV are partly explained by taking into account the Coulomb interaction in the exit channels of many particle nuclear reactions. The broadening and shift of resonances caused by Coulomb effects integrated over the decay angle can be observed when only one emitted particle is registered. The additional modification of resonance position and shape are possible due to decay into different channel. The data obtained by measurements of inclusive and coincidence spectra are analyzed.