CORRELATION FUNCTIONS, MOMENTUM DISTRIBUTIONS AND CLUSTERING COEFFICIENTS FOR THREE-NUCLEON NUCLEI

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The precise study of structure of three-nucleon systems is carried out for different potentials of nucleon-nucleon interaction. The behavior of pair correlation functions and momentum distributions is analysed for ^{3}H i ^{3}He nuclei, the cluster properties of these nuclei are also studied. The calculation of main parameters of three-nucleon systems is carried out using the representation without isospin and variational method with Gaussian bases.