

Photodisintegration of polarized deuteron. Status of the experiment at the VEPP-3 storage ring.

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The experiment on photodisintegration of tensor-polarized deuteron is in progress. It is carried out at VEPP-3 storage ring using the internal polarized gas target technique. The component of tensor analyzing power T_{20} is obtained by measurement of the target polarization asymmetry for deuteron photodisintegration in the photon energy range 400 –640 MeV. Photon energy is defined by the system for tagging almost-real photons was developed at the BINP. We discuss the results of the last run at VEPP-3 and the future plans to study this physical process.

Section

Nuclear structure: theory and experiment

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