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Measurement of the tensor polarization of a deuterium gas target at VEPP-3

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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 T20 of the tensor analyzing power is obtained by measuring the target polarization asymmetry in the photon energy range 400–640 MeV. The energy of photons is defined by the system that tags nearly real photons developed at the Budker Institute of Nuclear Physics (BINP).

We discuss the results of measuring the tensor polarization of a deuterium gas target during an experiment at the VEPP-3.

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