

Status of experiments with polarized deuteron target at VEPP-3 electron storage ring

The report describes the production of an internal polarized deuteron target for experiments at the VEPP-3 electron storage ring. A description of the measurement of the average target polarization during the experiments is given. The schemes of the system for tagging photons that caused reactions, as well as the system for registering reaction products are presented. The results of the experiments on measuring the component of tensor analyzing power T_{20} in reactions of negative pi-meson photoproduction $\gamma d \rightarrow p p \pi^-$, and deuteron photodisintegration $\gamma d \rightarrow p n$ are presented.

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