

**EXPERIMENTAL STAND TO STUDY EXPLORATION OF THE
AFTERGLOW OF THE PULSED ELECTRON CYCLOTRON
RESONANCE SOURCE UNDER THE INJECTION OF NEUTRAL
FLUXES**

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- An experimental stand to study of the free expansion of laser ablation plasma under the neutral fluxes is described. The Q-switched YAG:Nd+3 laser is focused onto the surface of Zn target. The plasma pulse duration is 10 ms, the ionization degree in the flux is about 5%, the velocity of neutrals is in the range of 106 cm/s. The control and measurement system is based on CAMAC standard, IBM PC computer and digital oscilloscope. The control solution has been created with LabVIEW graphical language and WaveStar Software for Tektronix oscilloscope.