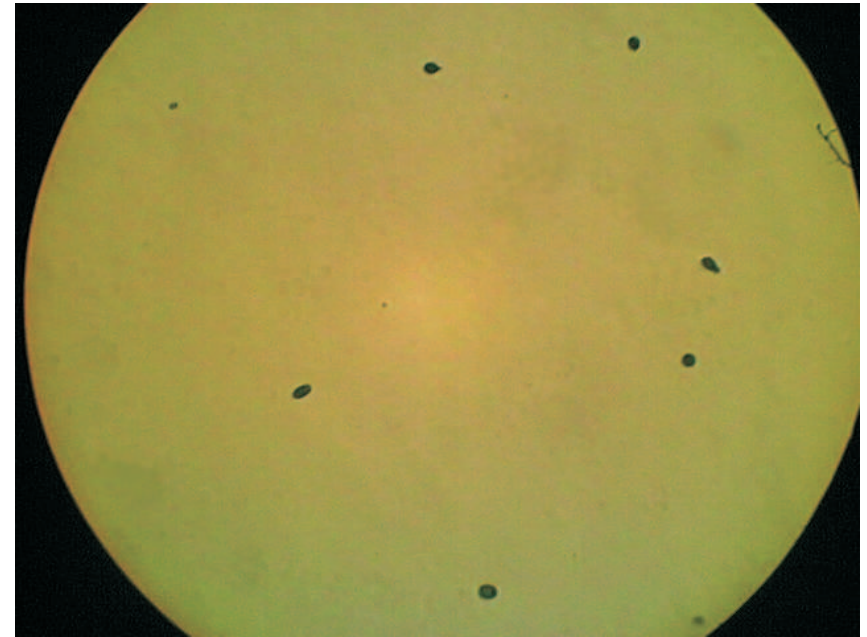
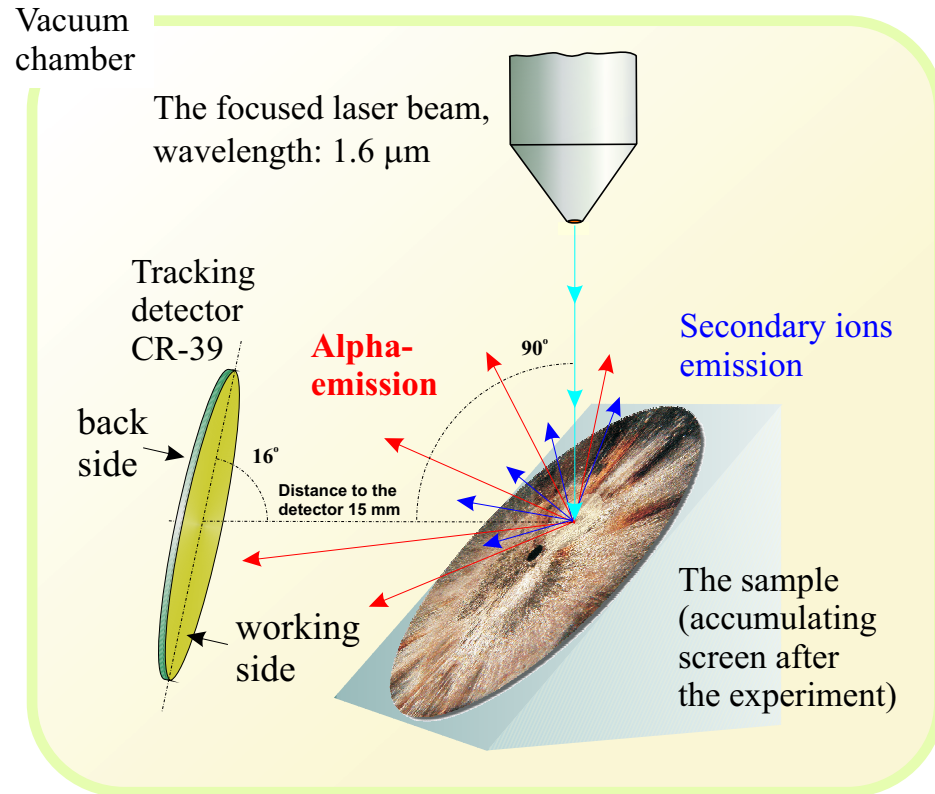


The registration of high-energy α -particles after the impact of the focused laser radiation

(First experiment date: 10 Mar 2004)

Scheme of the experiment



0.5 mm

During the experiment 50 spots on the investigated sample were irradiated by 10 laser pulses each. Laser beam parameters: pulse duration was about 14 ns, energy was 50 mJ, spot diameter was about $500 \mu\text{m}$.

Fragment of the working side of the detector (after etching) with tracks of 5...8-MeV alpha-particles. Total number of tracks on the working side - 149. Number of tracks on the back side (background events) - 18. Etching time - 6 hours in 25% NaOH at 70°C .