Track statistics strange radiation from operating reactors LENR

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Precedence

In 2000, L.I. The term “strange radiation” was introduced by the Urutskoyev, which was accompanied by an electric explosion in water Subsequently, other researchers independently obtained the same radiation under different conditions.

Preliminary experiments have shown that the same type of radiation emanates from the reactors of the KIT laboratory.

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What is Strange Radiation?

- Tracks on the surface of various materials
- Biological effect (tested on mice by groups of Urutskoyev, Shakhparonov, Panov)
- Magnetization of non-magnetic materials (according to the testimony of Shakhparonov, Evmenenko)

Why is it necessary to investigate strange radiation??

- Safety (concomitant LENR phenomenon, fraught with hazards to users and experimenters)
- Perhaps the LENR and the strange radiation are “two sides of the same coin,” and their explanation will occur simultaneously

Main Question

- What is the connection of strange radiation with the work of LENR reactors?

Features and Research Methods

Using 2 types of reactors

Use of different sensitive materials

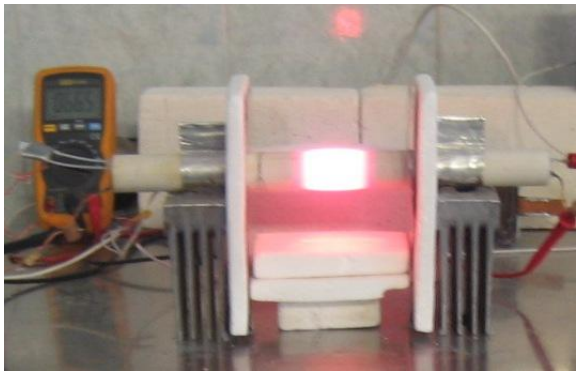
The use of serial and parallel control

Analysis of track statistics at various distances from reactors

Analysis of the microstructure of tracks by optical, electron and atomic force microscopy

Database maintenance

2 Types of Reactors



Ni-H, operating continuously in the mode of excess energy

Plasma electrolysis in water ("woodpecker")

Sensitive Materials

- Film (conventional and X-ray)
- Glass
- Mica
- Polycarbonate (DVDs)
- Aluminium foil

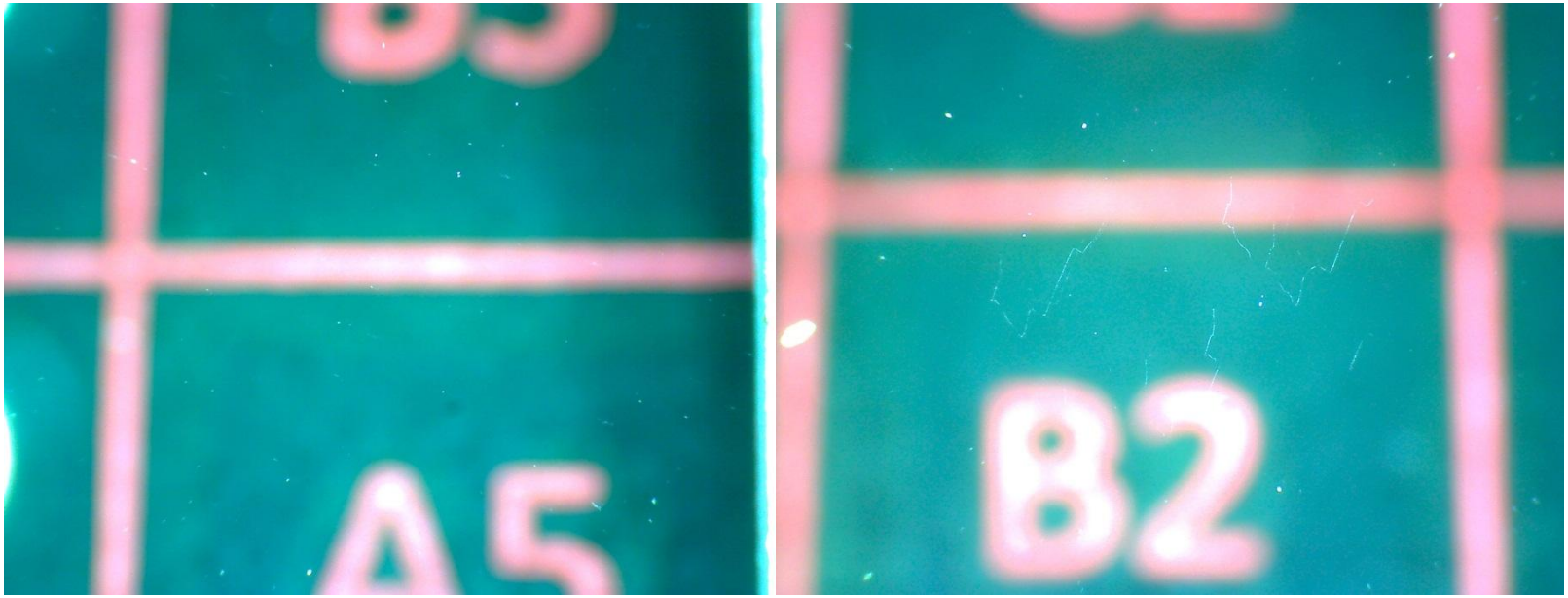
Оптимальный материал

Method of calculating the intensity of tracks

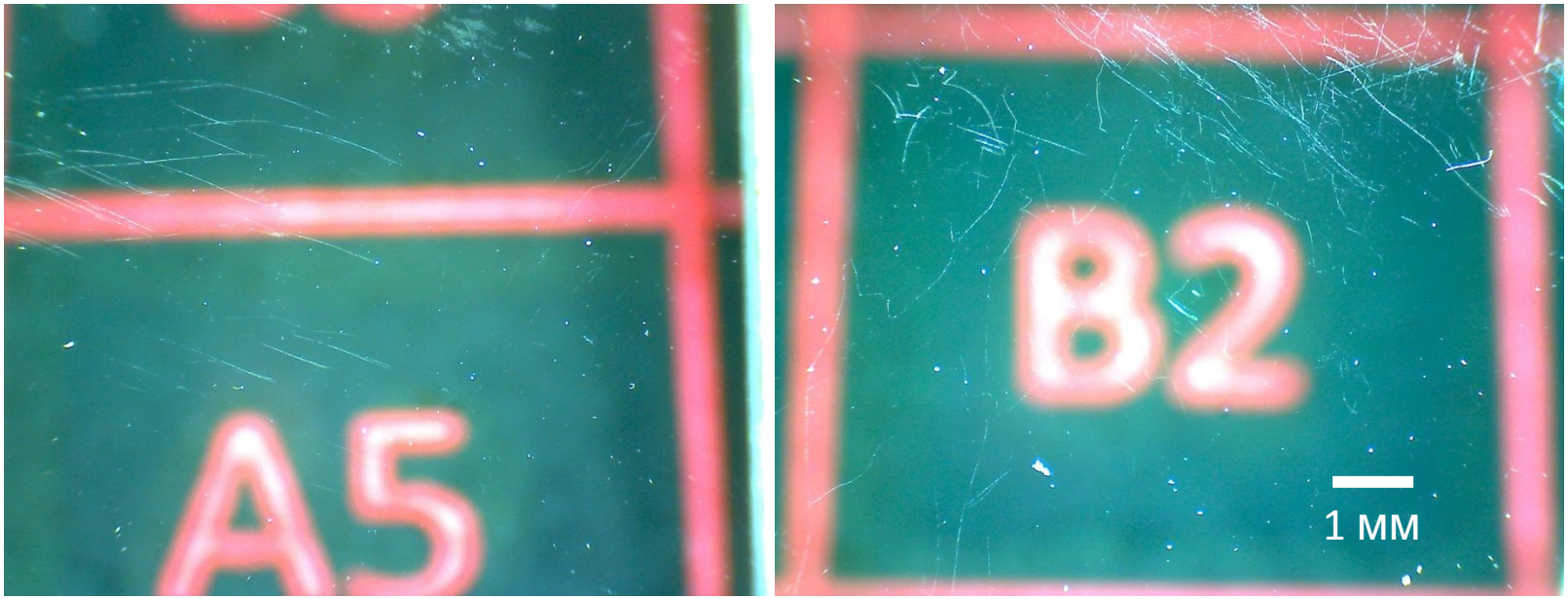
1. Photographing the surface of the material prior to exposure.
2. Exposition
3. Photographing the surface after exposure.
4. The layout of the tracks on the photo (manually)
5. Counting the total length of tracks (programmatically)

Examples of photo tracks (mica)

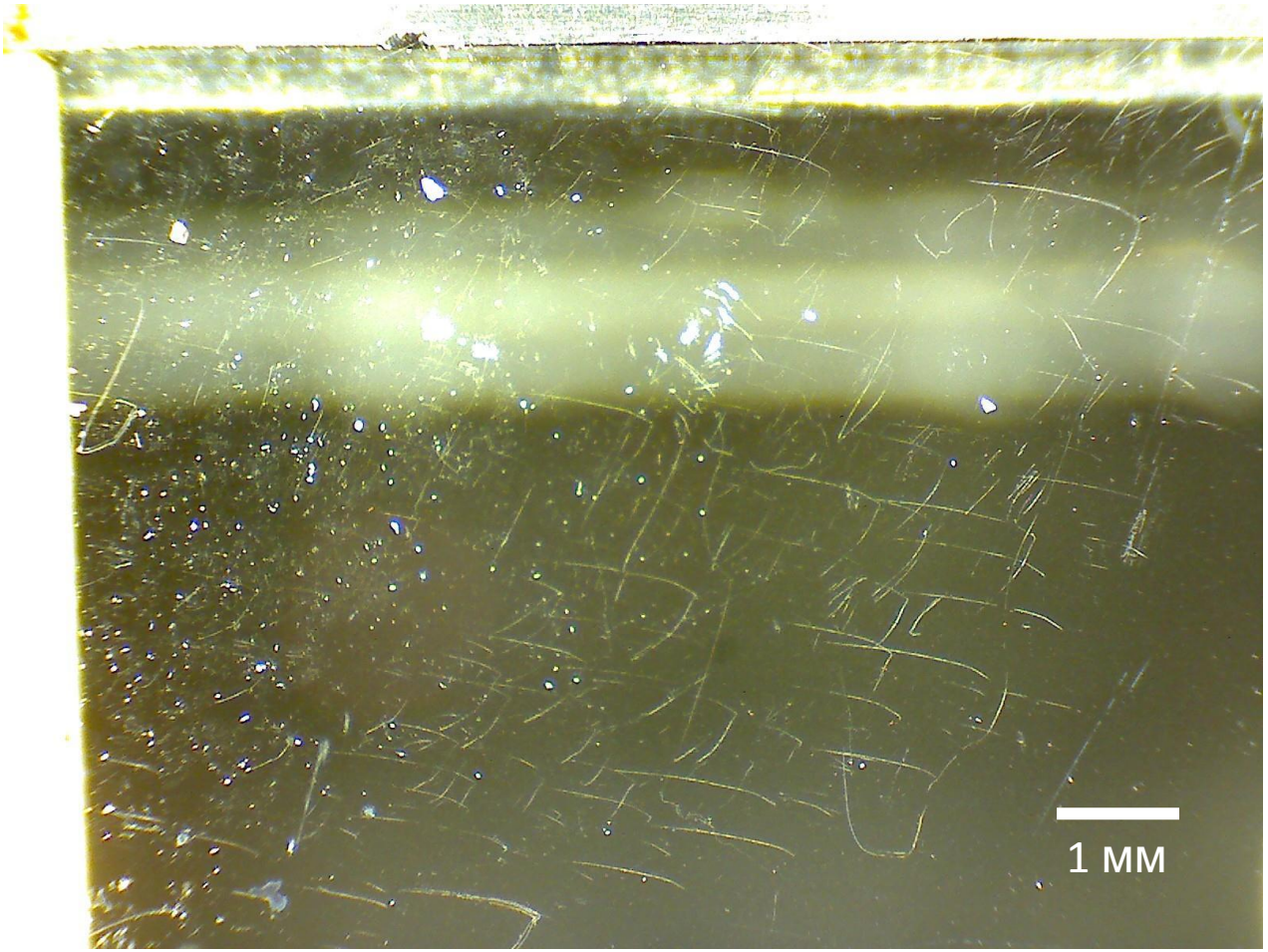
до:



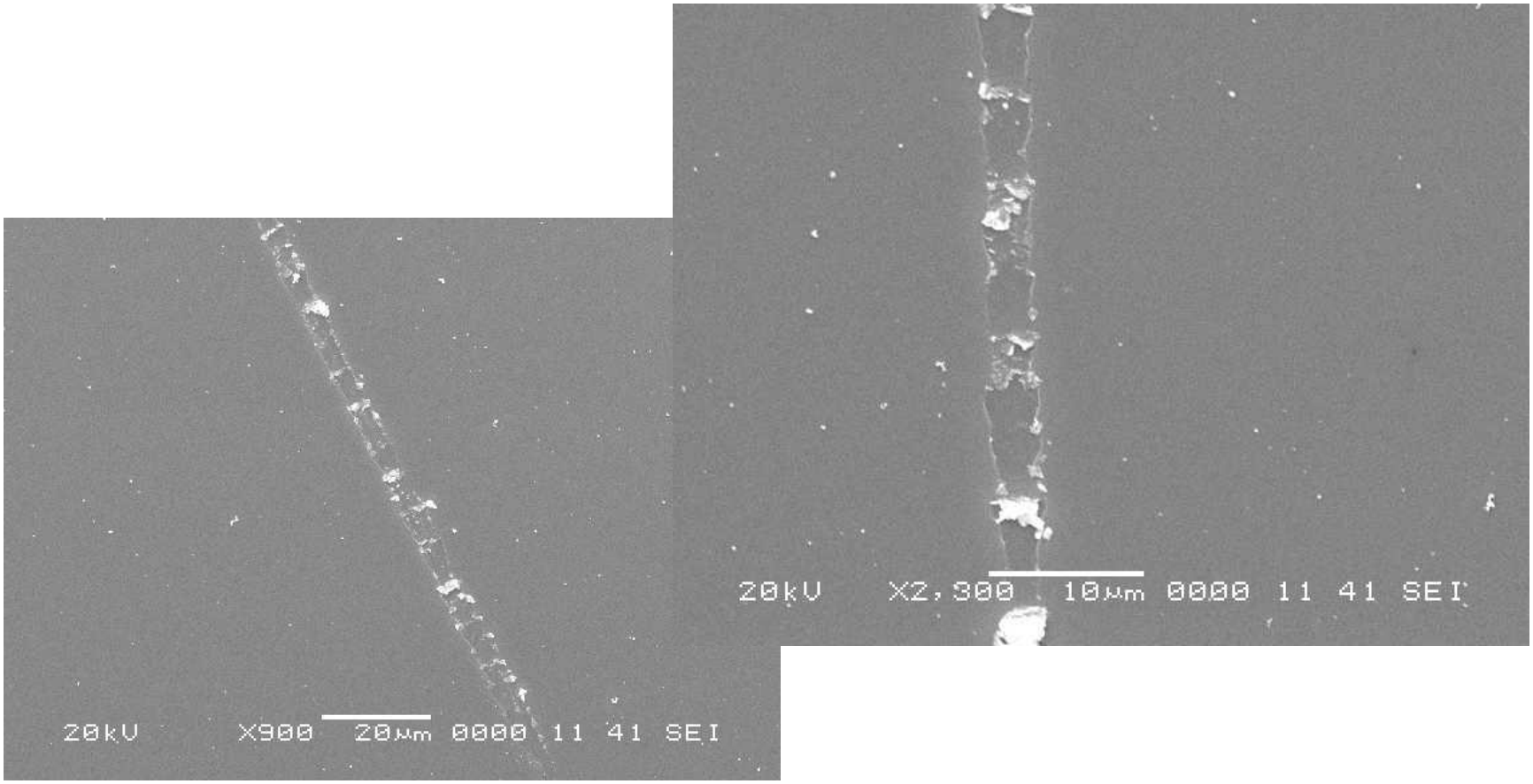
после:



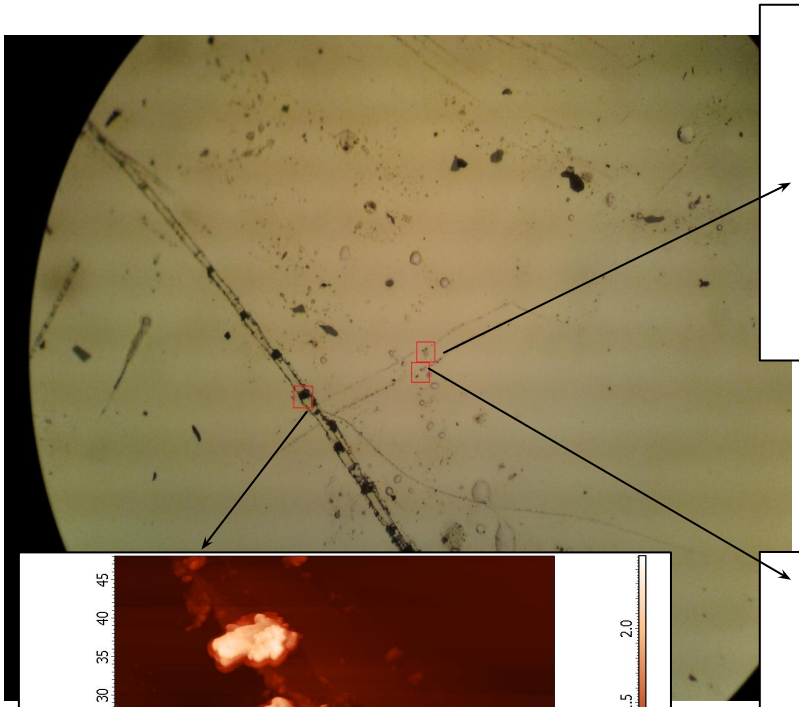
Twin Tracks (Mica)

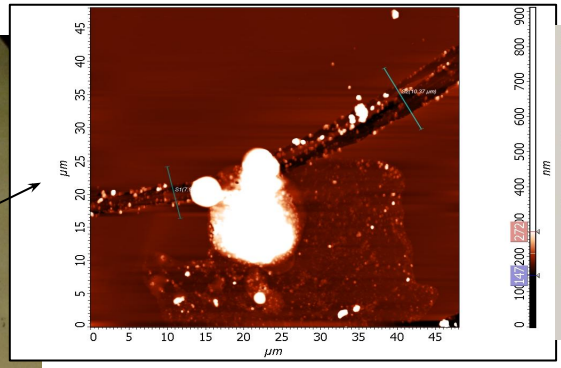


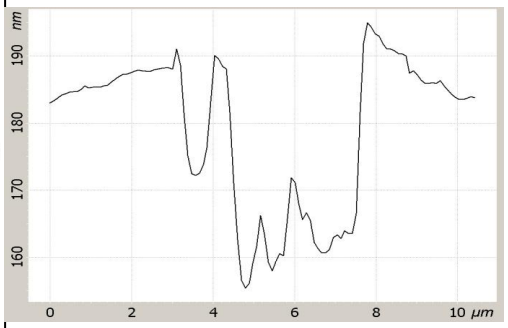
Structure trek (mica, SEM)

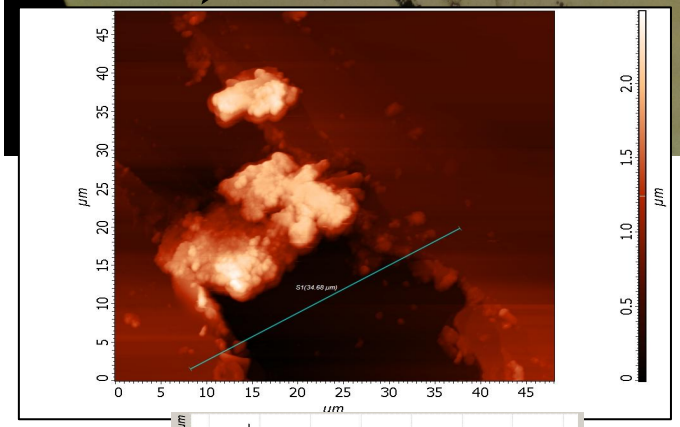


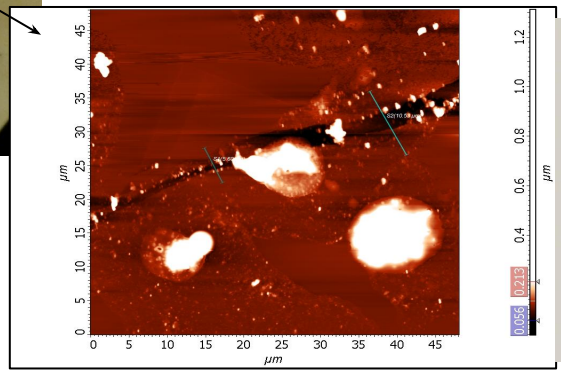
Structure trek (mica, ASM)

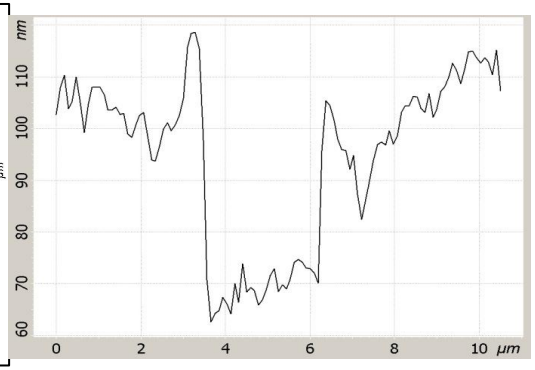


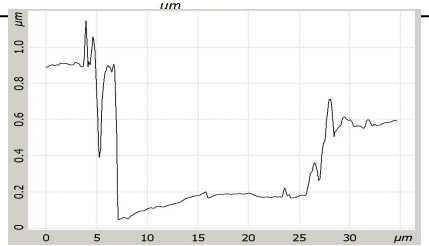




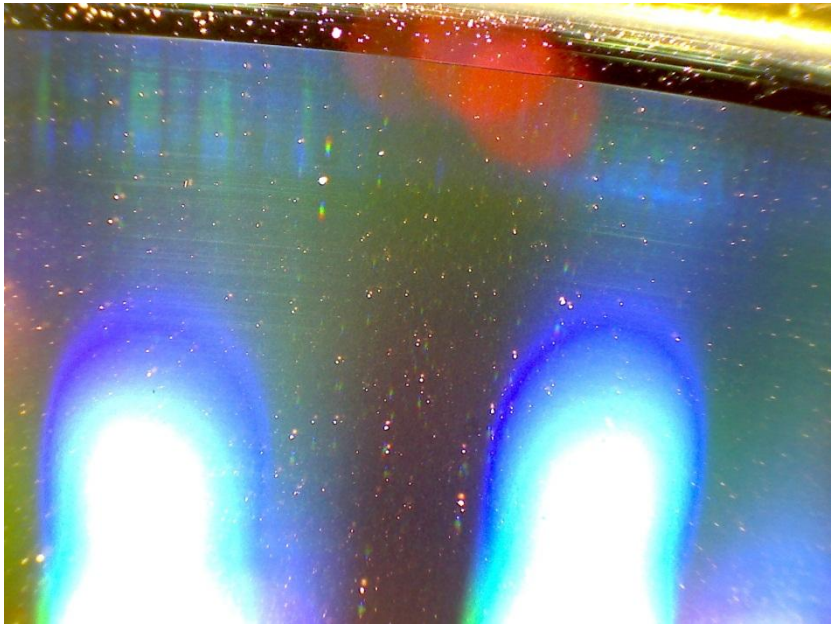




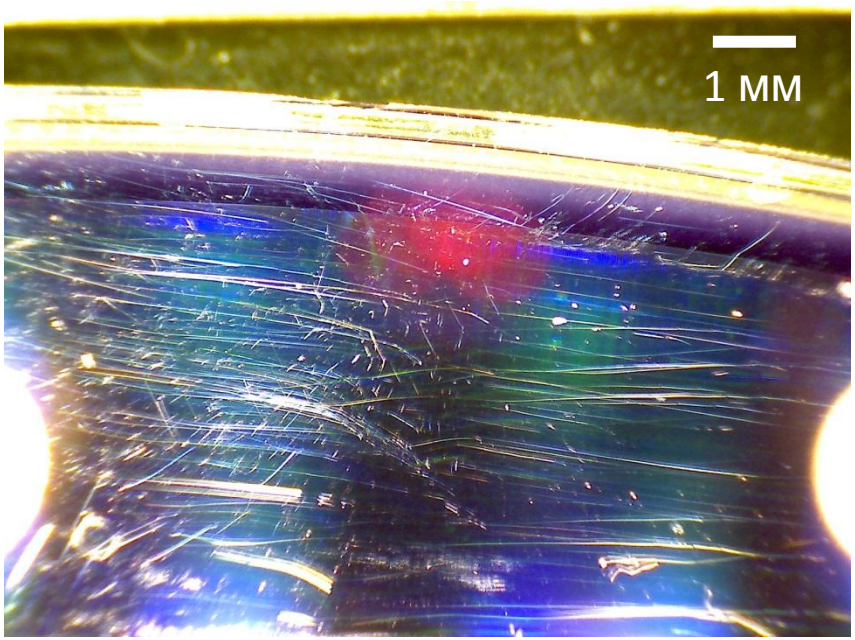




Examples of photo tracks (DVD)

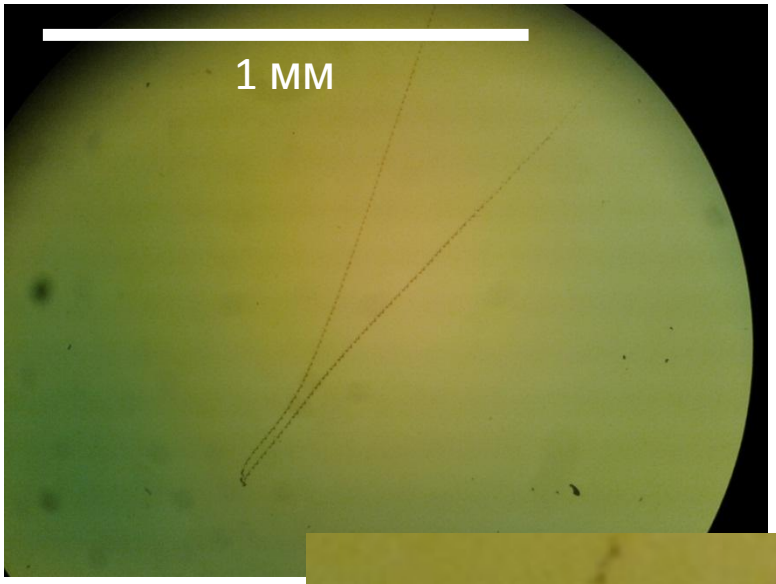


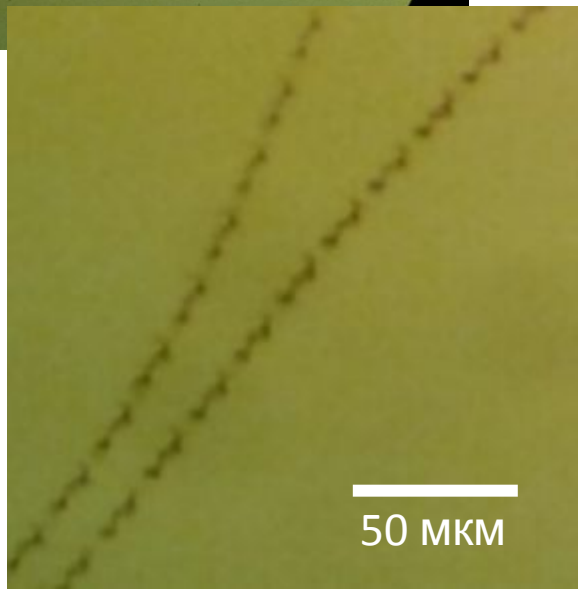
Контроль (в вытяжке)

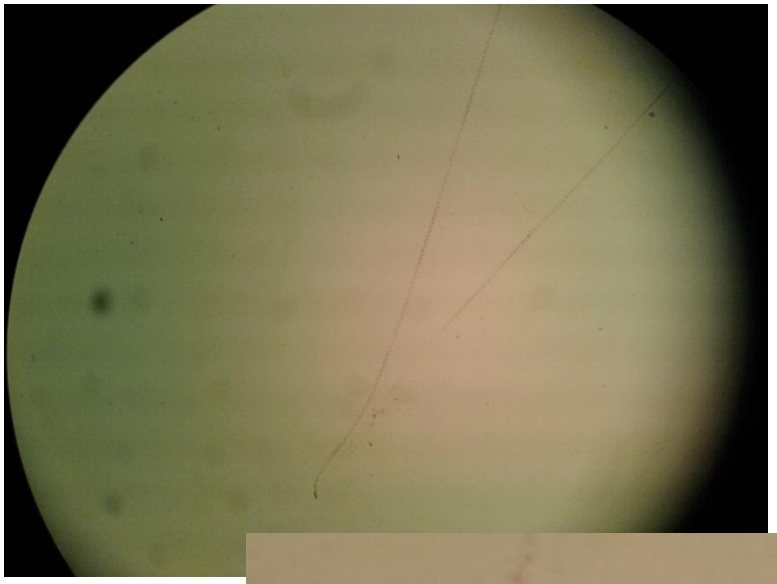


10 см от «дятла»

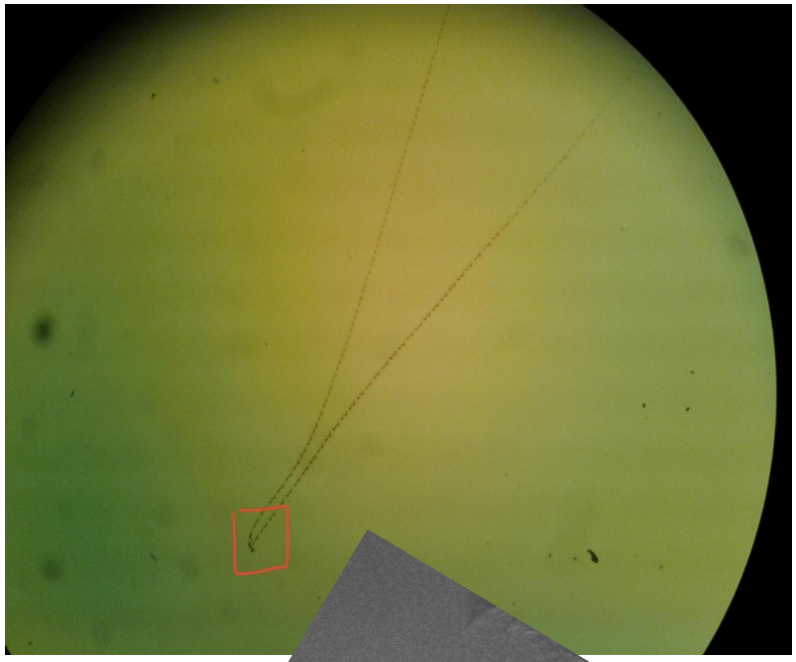
Twin tracks (DVD, optics)

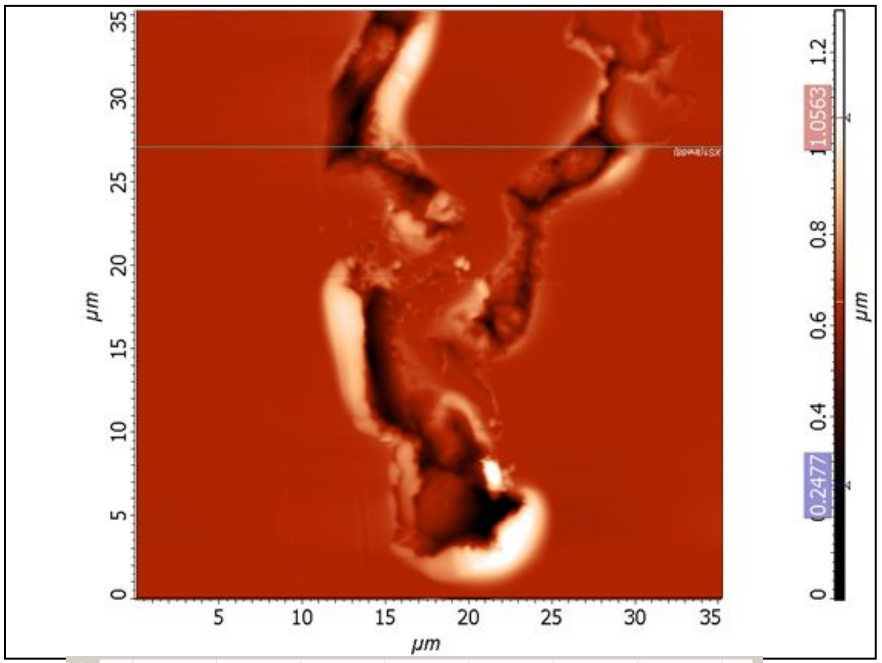


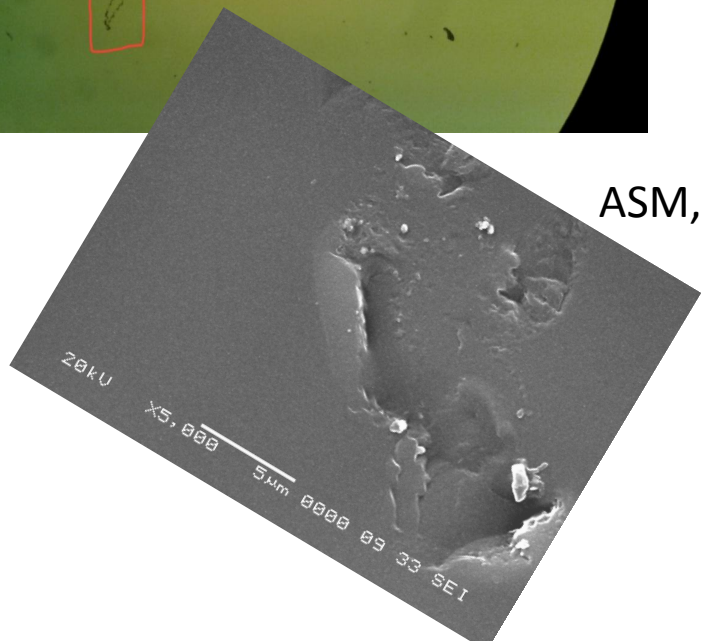




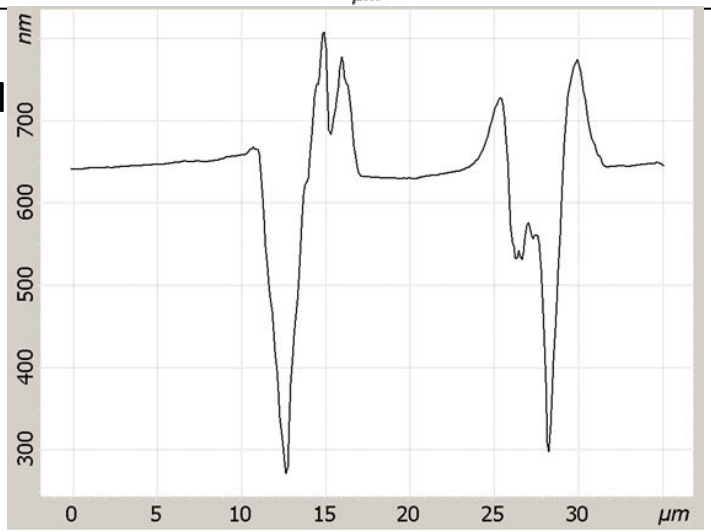
Track Structure (DVD)



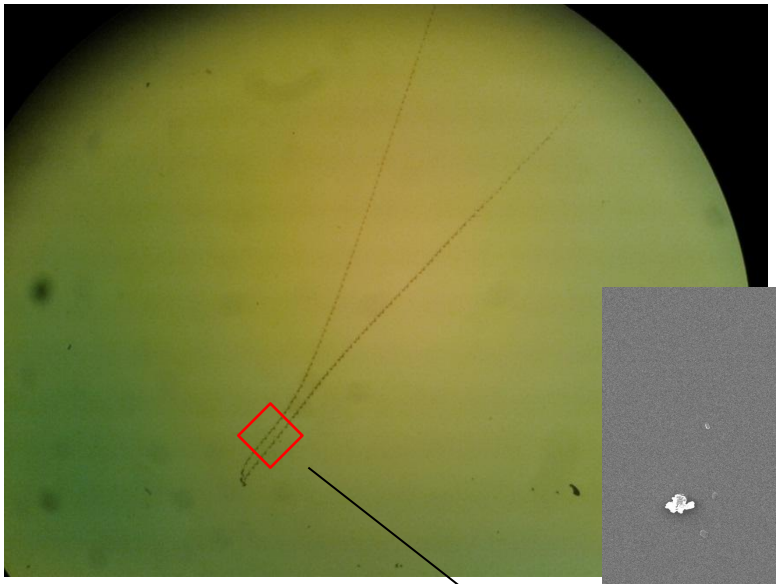




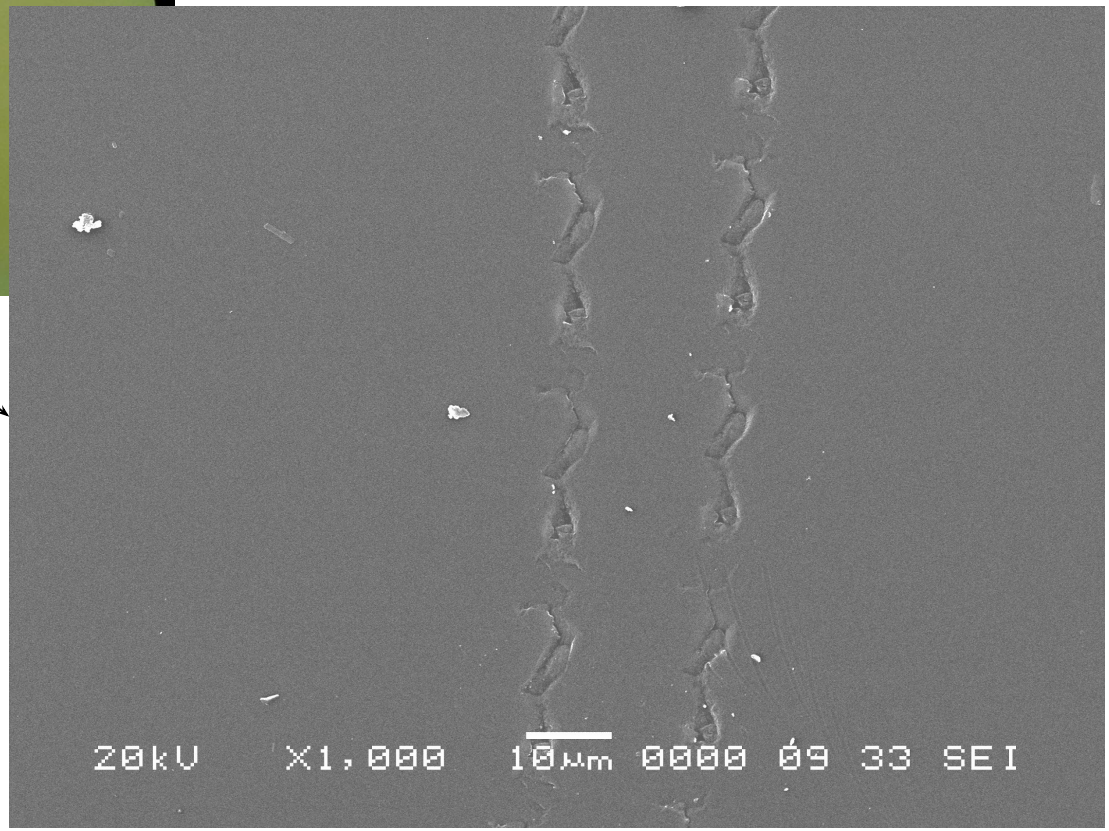
ASM, SEM



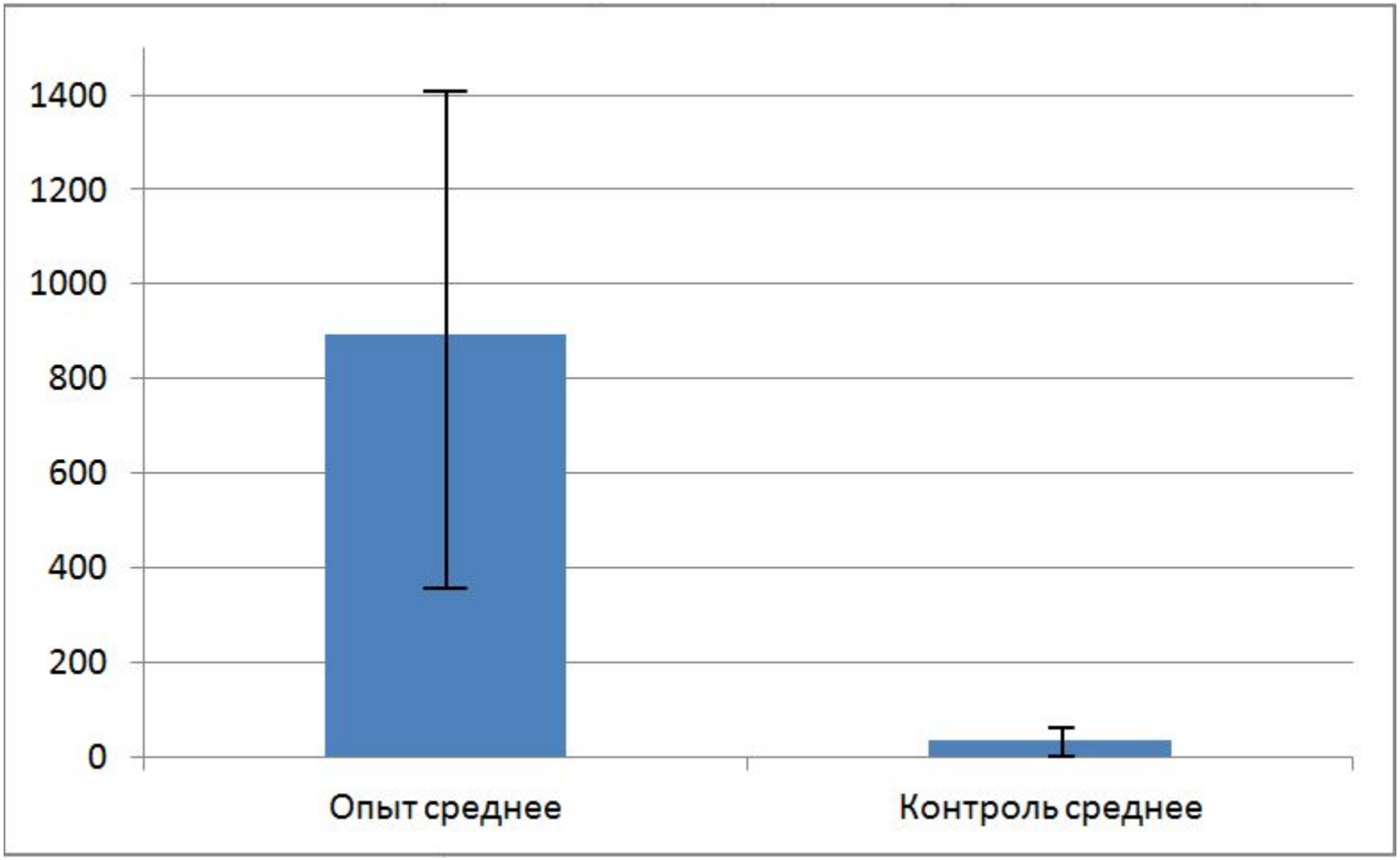
Track Structure (DVD)



SEM

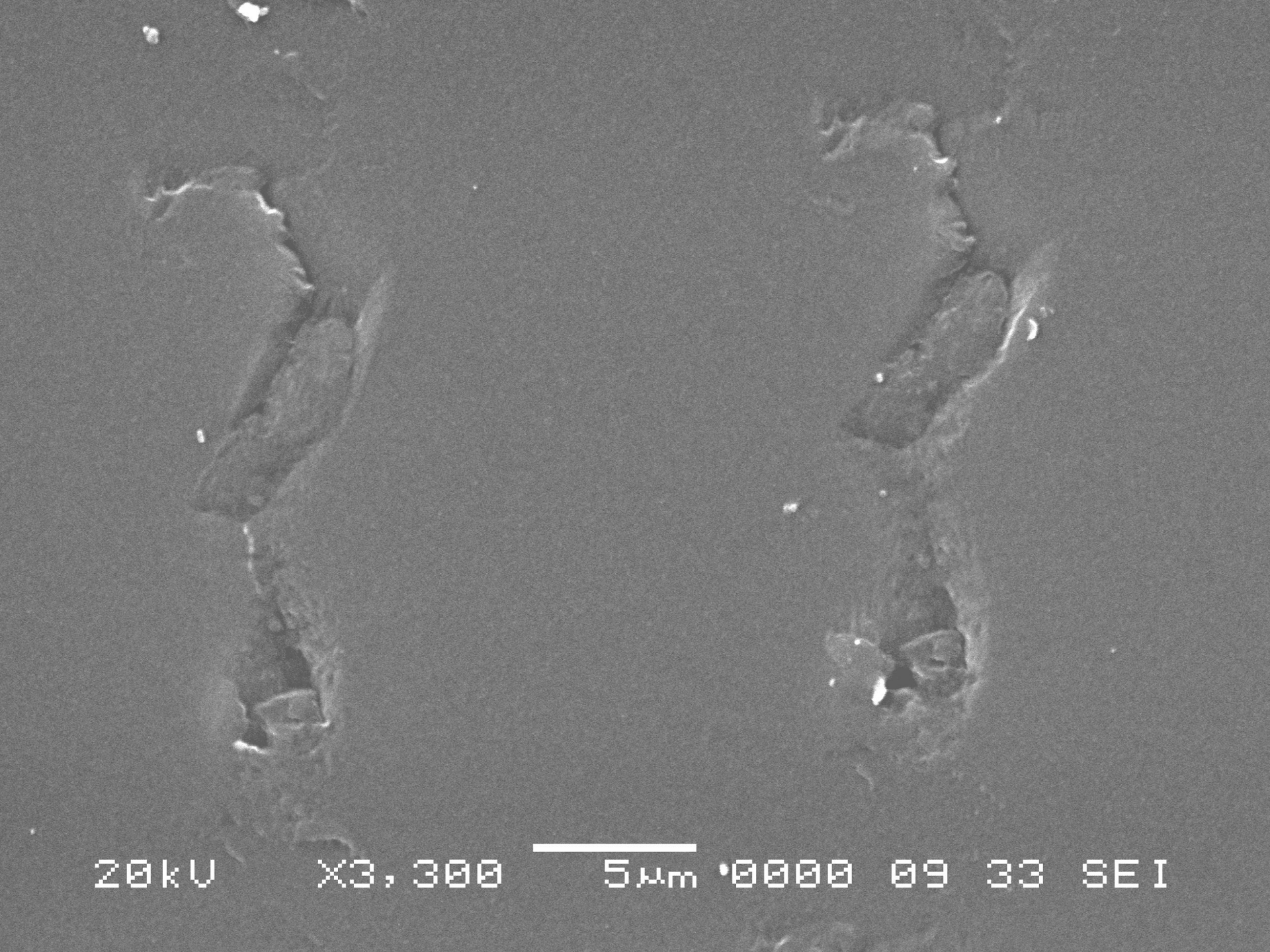


Statistics tracks on mica

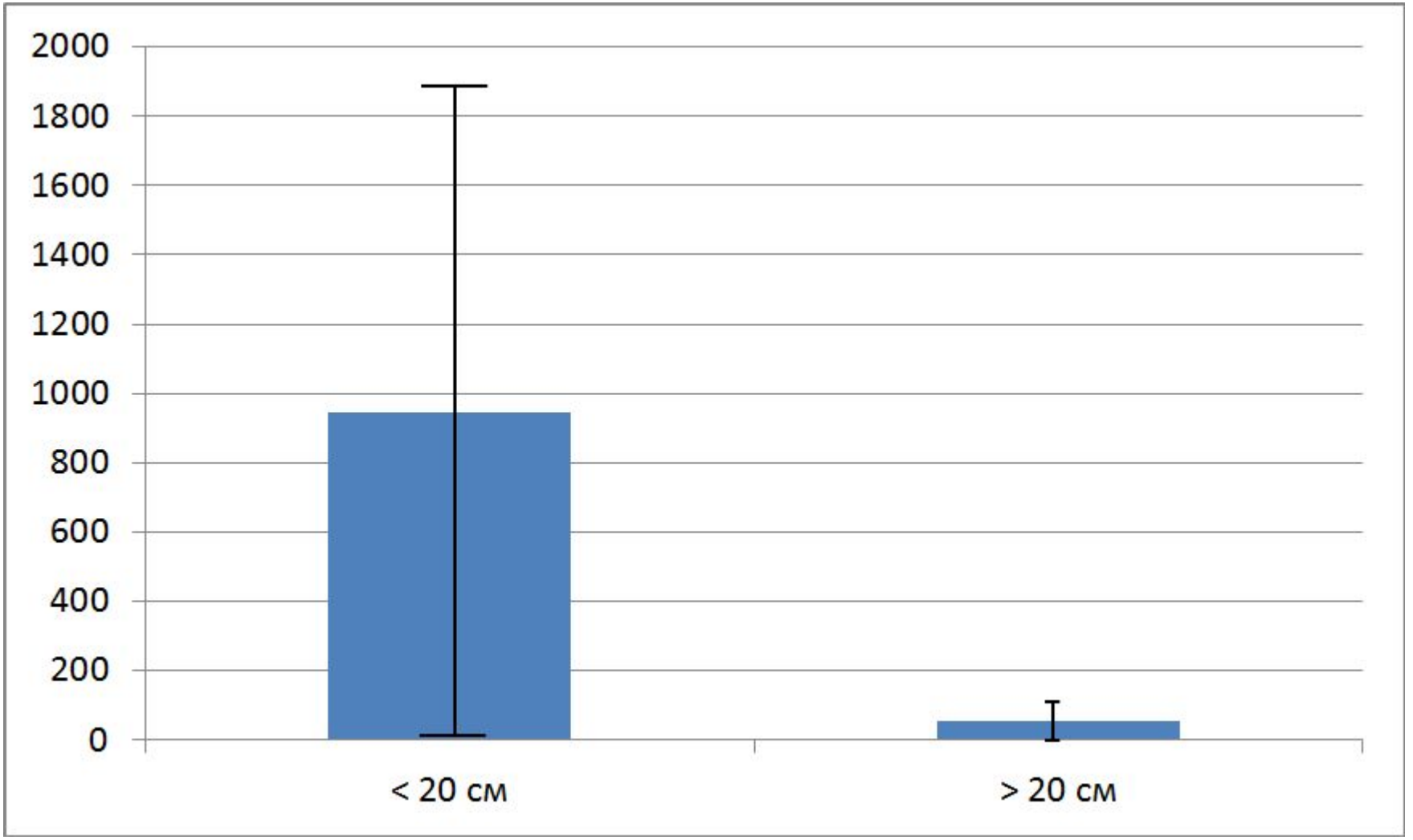


8 values

(9 values)


20kV X3,300 5µm 0000 09 33 SEI

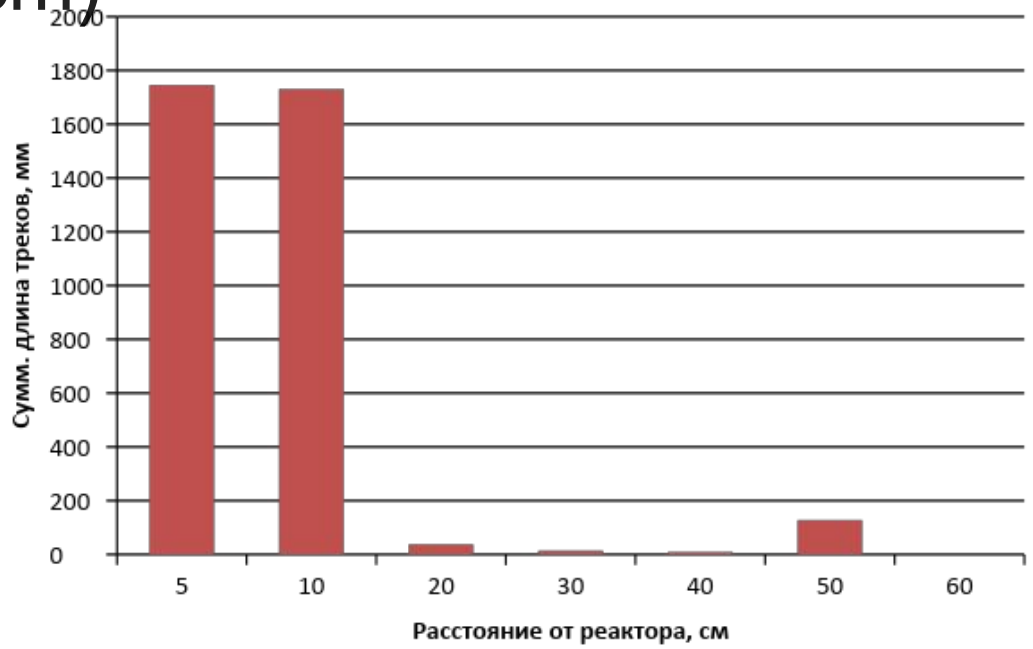
DVD Track Statistics



(51 meanings (30 values)

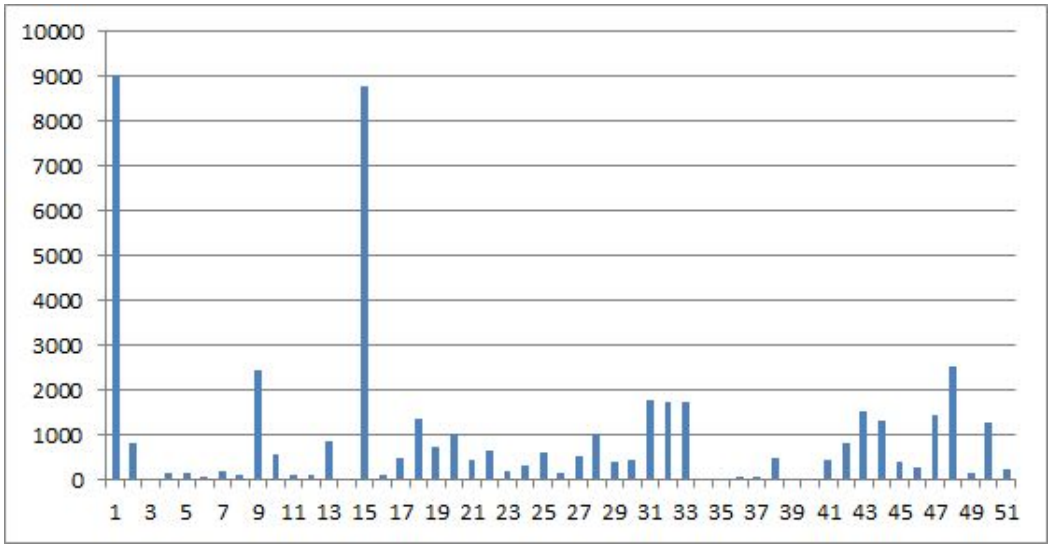
Distance of Dependence

- In the near zone (<20 cm from the reactor) the intensity of the tracks is an order of magnitude higher than the intensity in the far zone (> 20 cm)

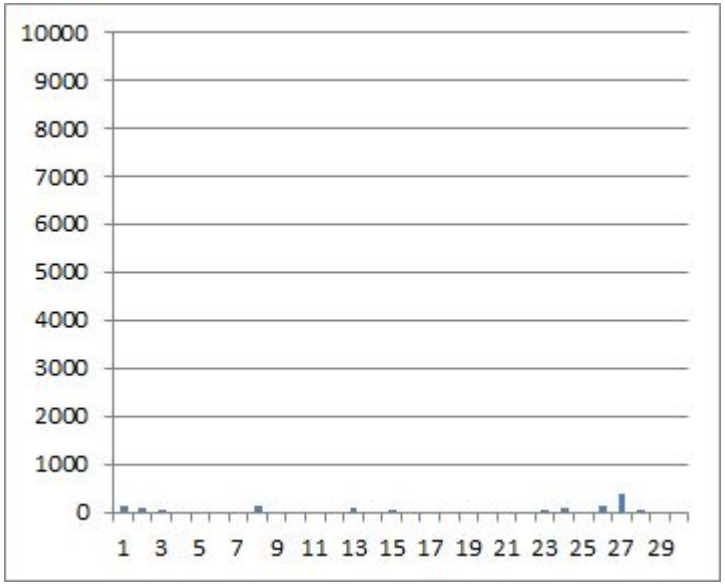


Consistent Results

Active



Control:



Track Intensity Variation

- The length of the tracks varies greatly from exposure to exposure (in order)
- The variation is both in the near and in the far zone
- Moreover, a large number of tracks (> 500 mm) appear only in the near zone.
- No regularities found in variations from time and location of disks in the near zone

Track Unevenness

- Tracks are distributed unevenly across carriers: they are mainly grouped into clusters of ~ 1 cm2, the appearance of such spots is unsystematic and occurs only near the reactors

Shielding

- For exposures of discs completely wrapped in foil, the tracks were completely absent for both types of reactors.
- For disks in the Ni-H reactor, protected by foil only from the reactor side, tracks in the near zone appeared with great intensity.
- The original DVD tracks are missing;
- DVDs are stored in stacks

Database

Catalog with the results of 163 exposures

About 30 thousand photos of tracks

Options:

- Reactor (source)
- Exposure Dates
- Exposure duration
- Media type
- Distance to reactor, location, orientation
- Total track length

Findings

Near zone (20 cm) of LENR reactors - source of strange radiation tracks

There are other sources (background) with an intensity of an order or two less.

Tracks may form as random events, unevenly, under the influence of some external factor (besides LENR)

The nature of the strange radiation is unknown

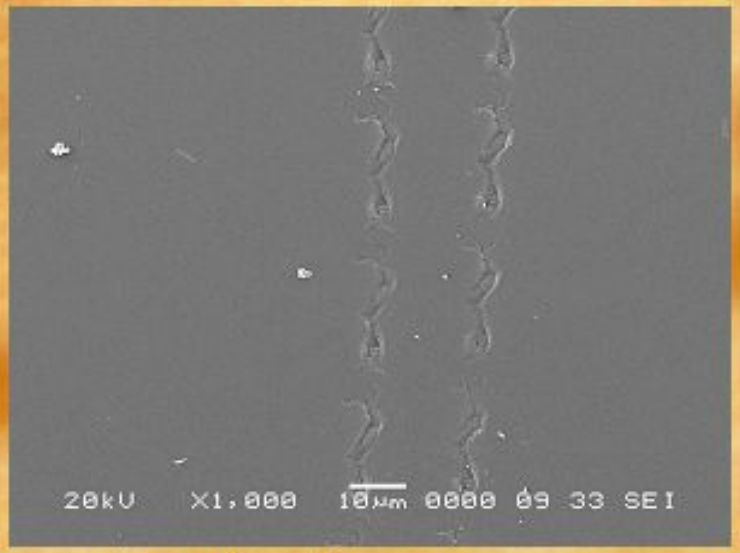
It is possible to screen strange radiation.

Further Research Program

- Search for reasons for variations in track intensity
- The study of the shielding ability of various materials
- Search for external factor
- Creation of instrument detectors
- Further accumulation of statistics

WANTED!

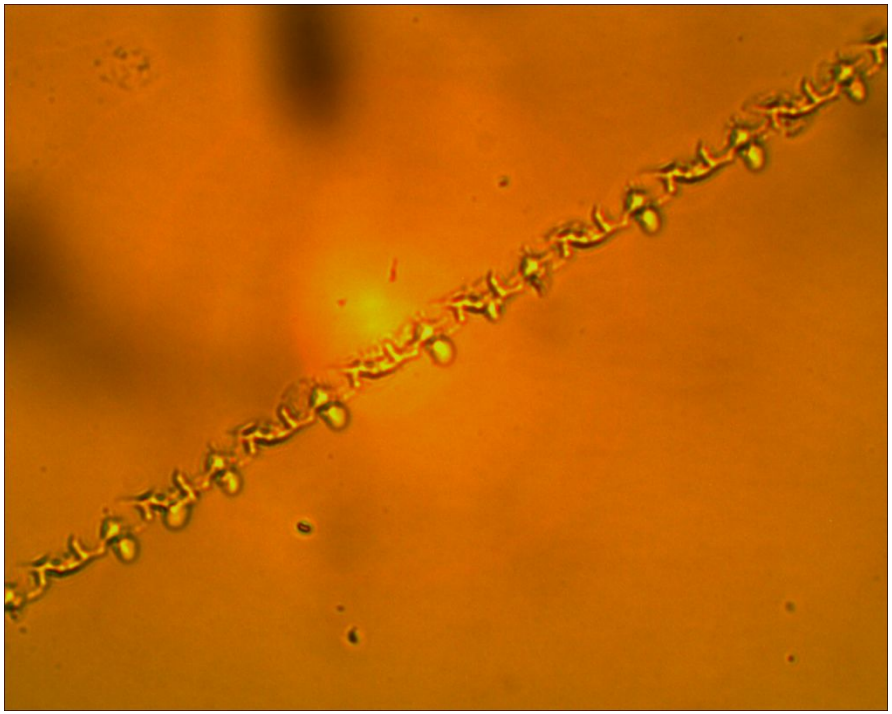
LOOKING FOR



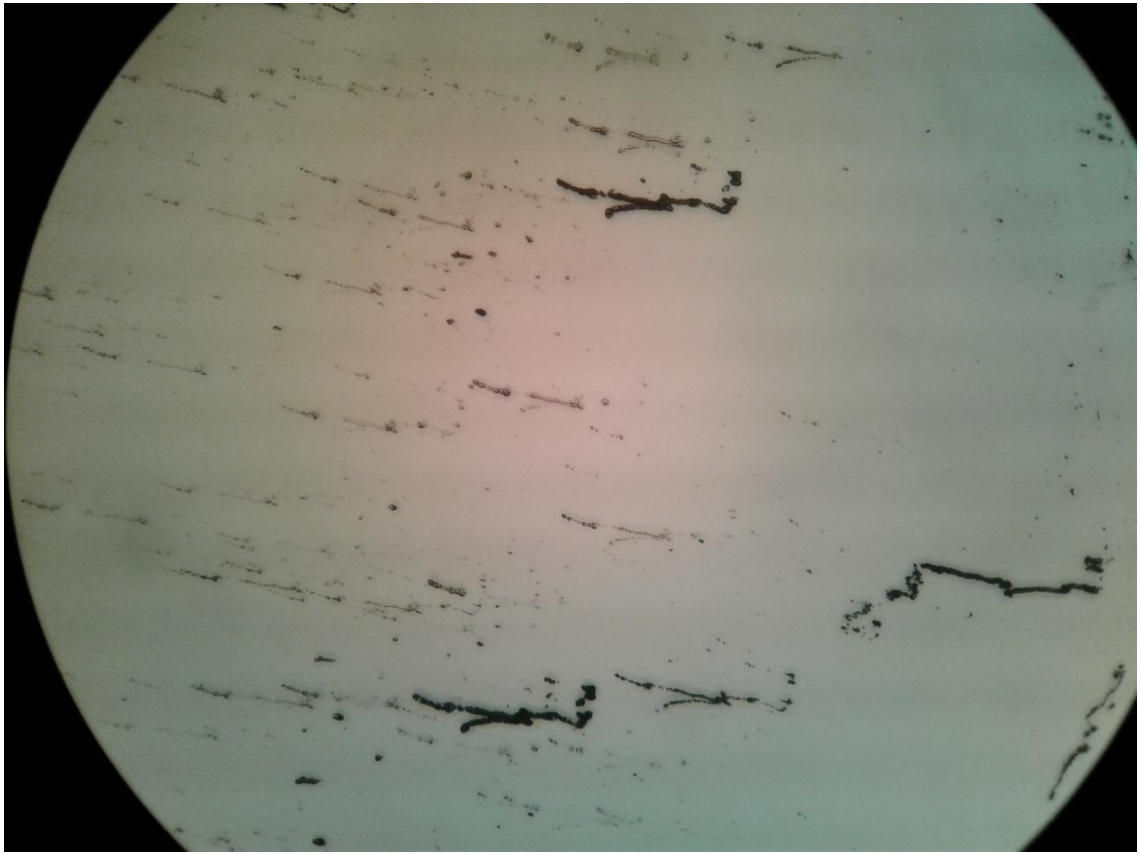
Nobel prize

(or not)

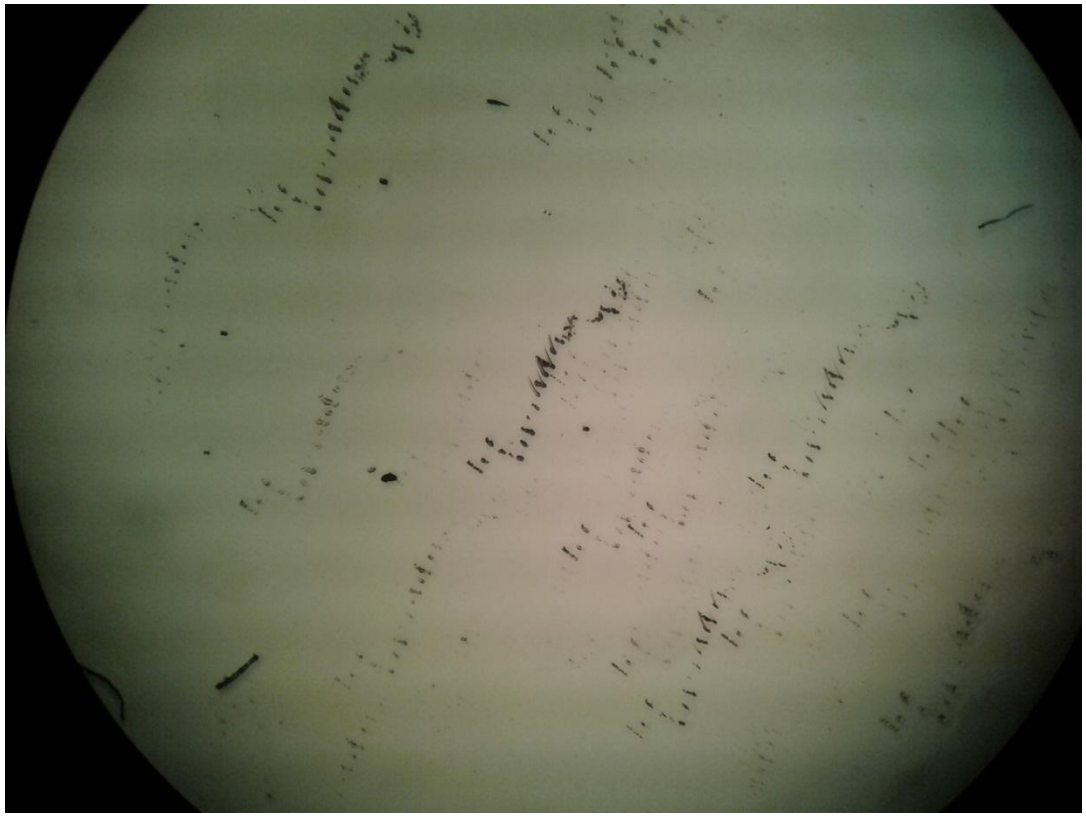
Thank You!



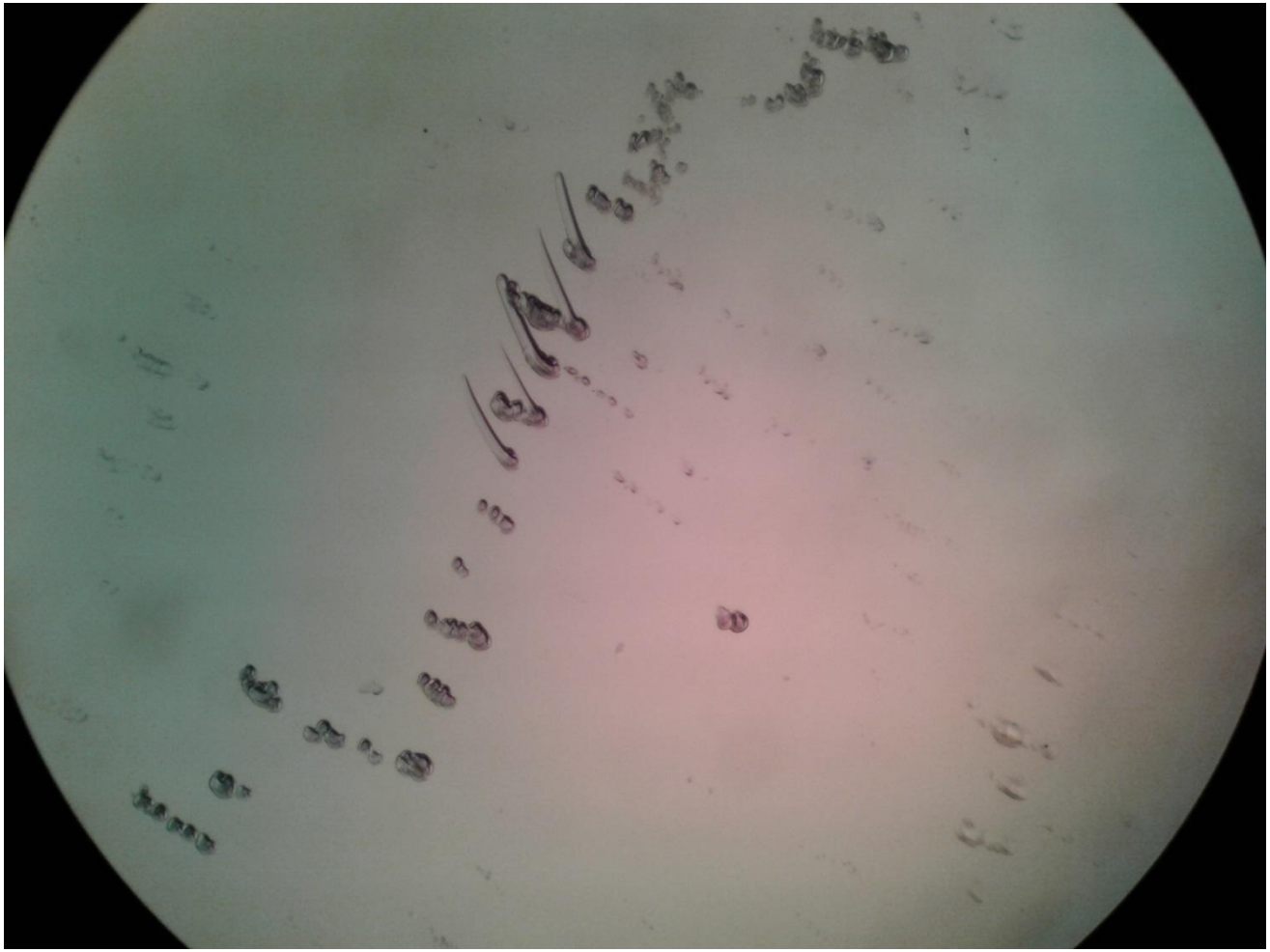
Трек на стекле при разном увеличении

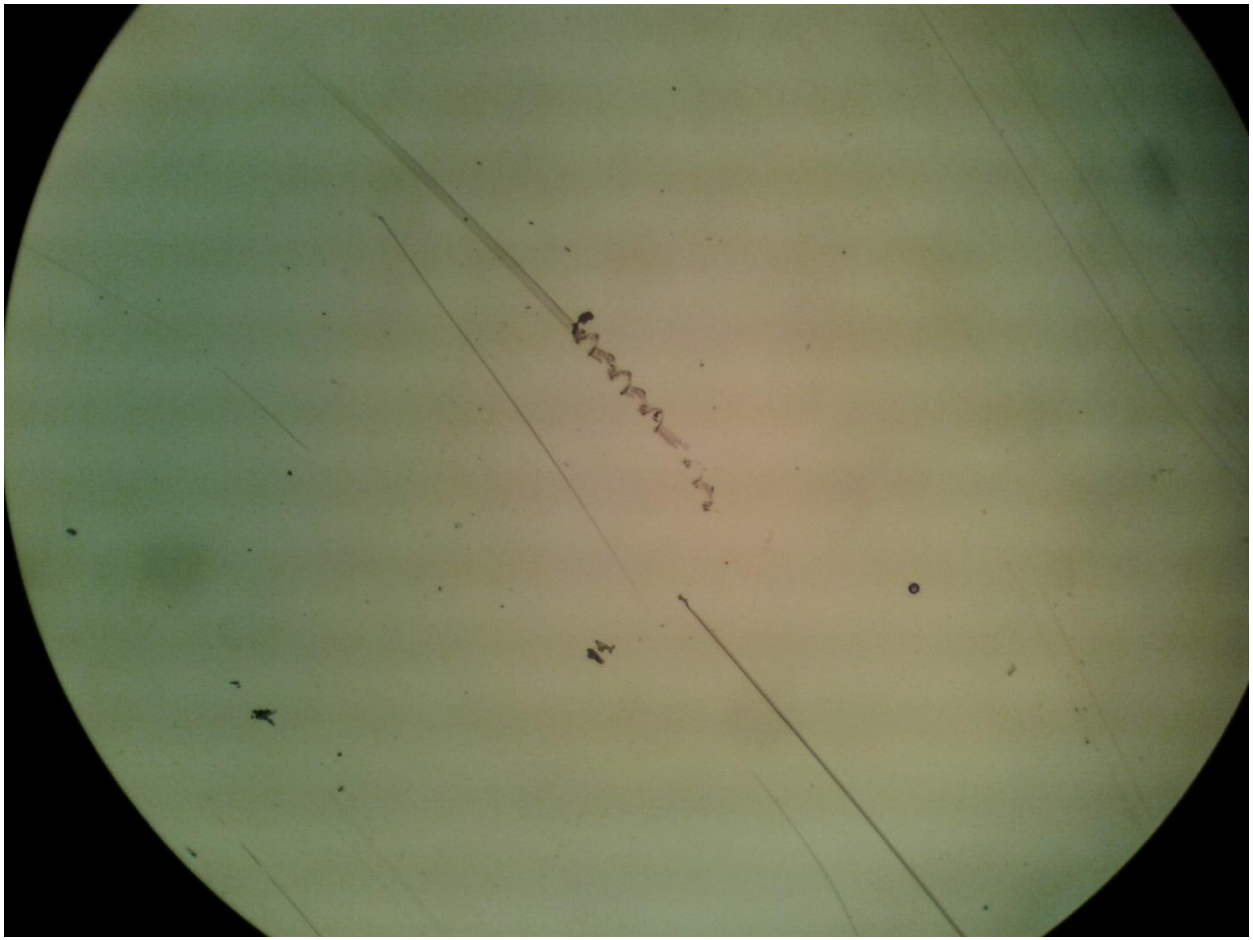


Треки-близнецы
(DVD)

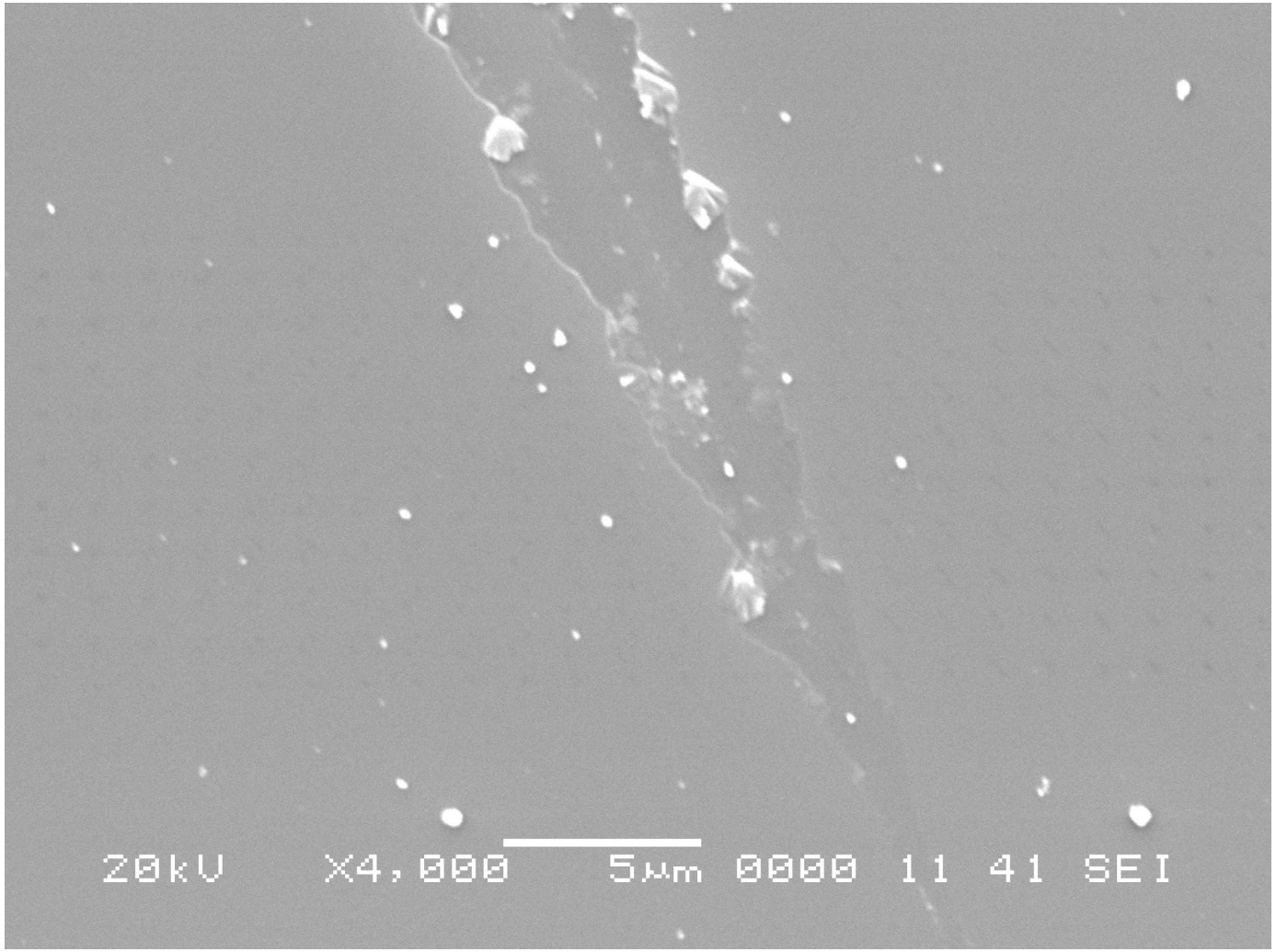


Треки-близнецы
(DVD)

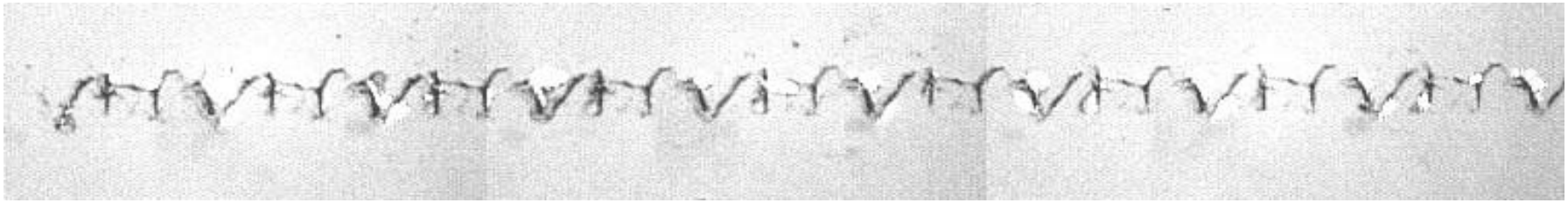




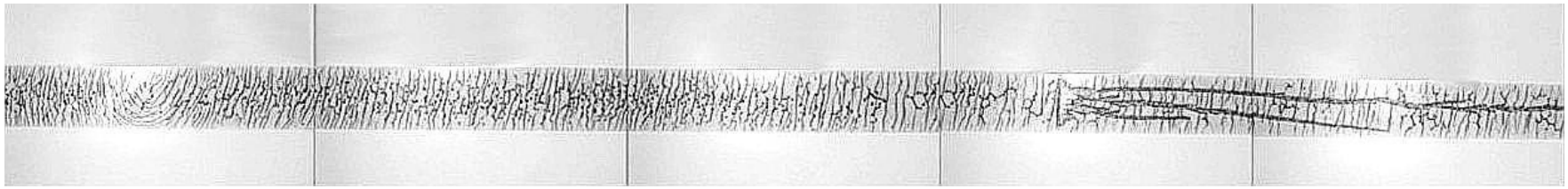
Линейный трек, переходящий в периодический (или наоборот?)



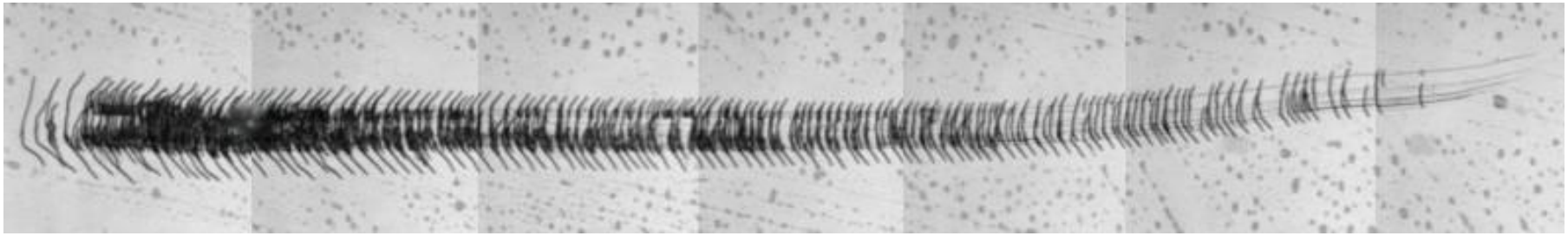
Трек на слюде
(начало)

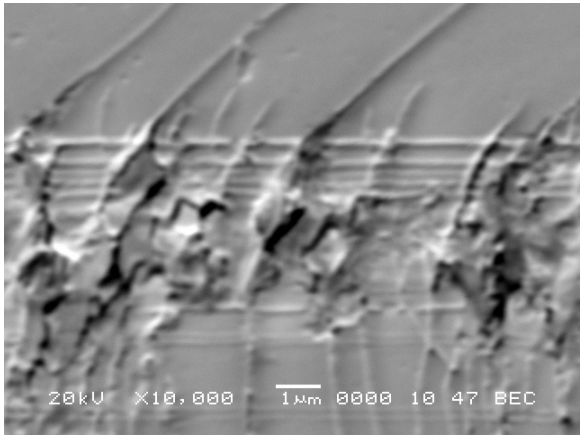


Фрагмент трека на стекле. Длина около 5 мм



Фрагмент трека на стекле. Длина около 8 мм





Трек на нитриде бора. Длина 0,2 мм.

Оптическое и электронно - микроскопическое изображения