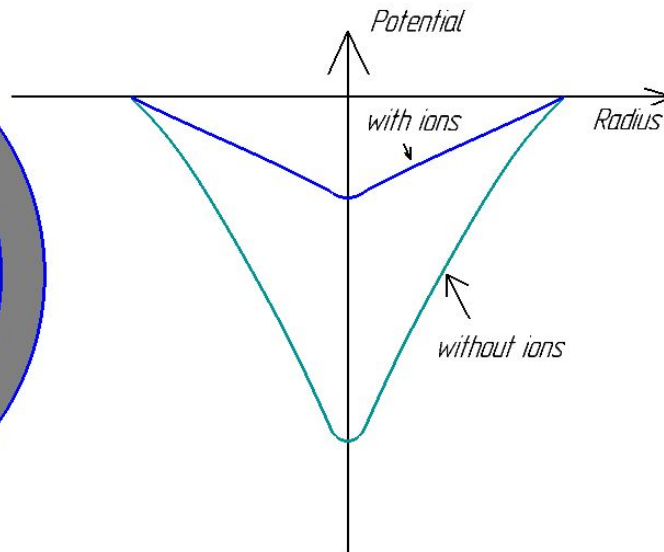
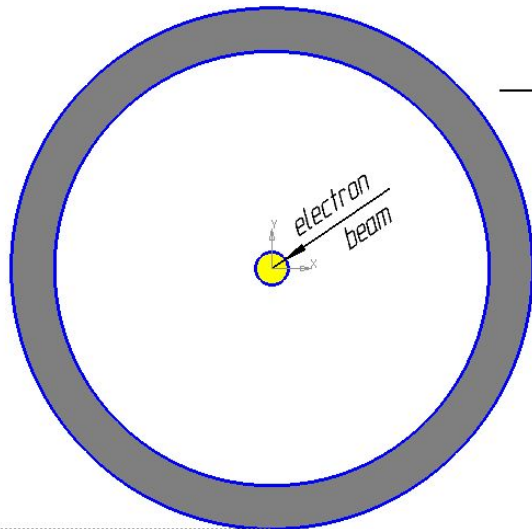
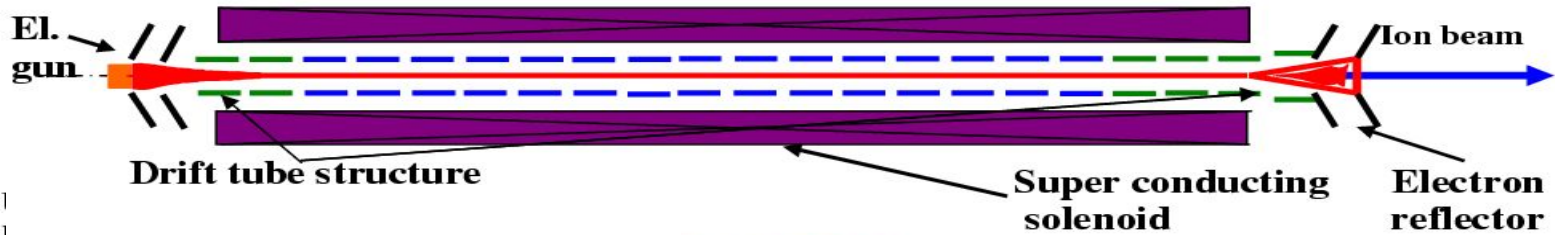


Status report of Tubular Electron String Ion Source development

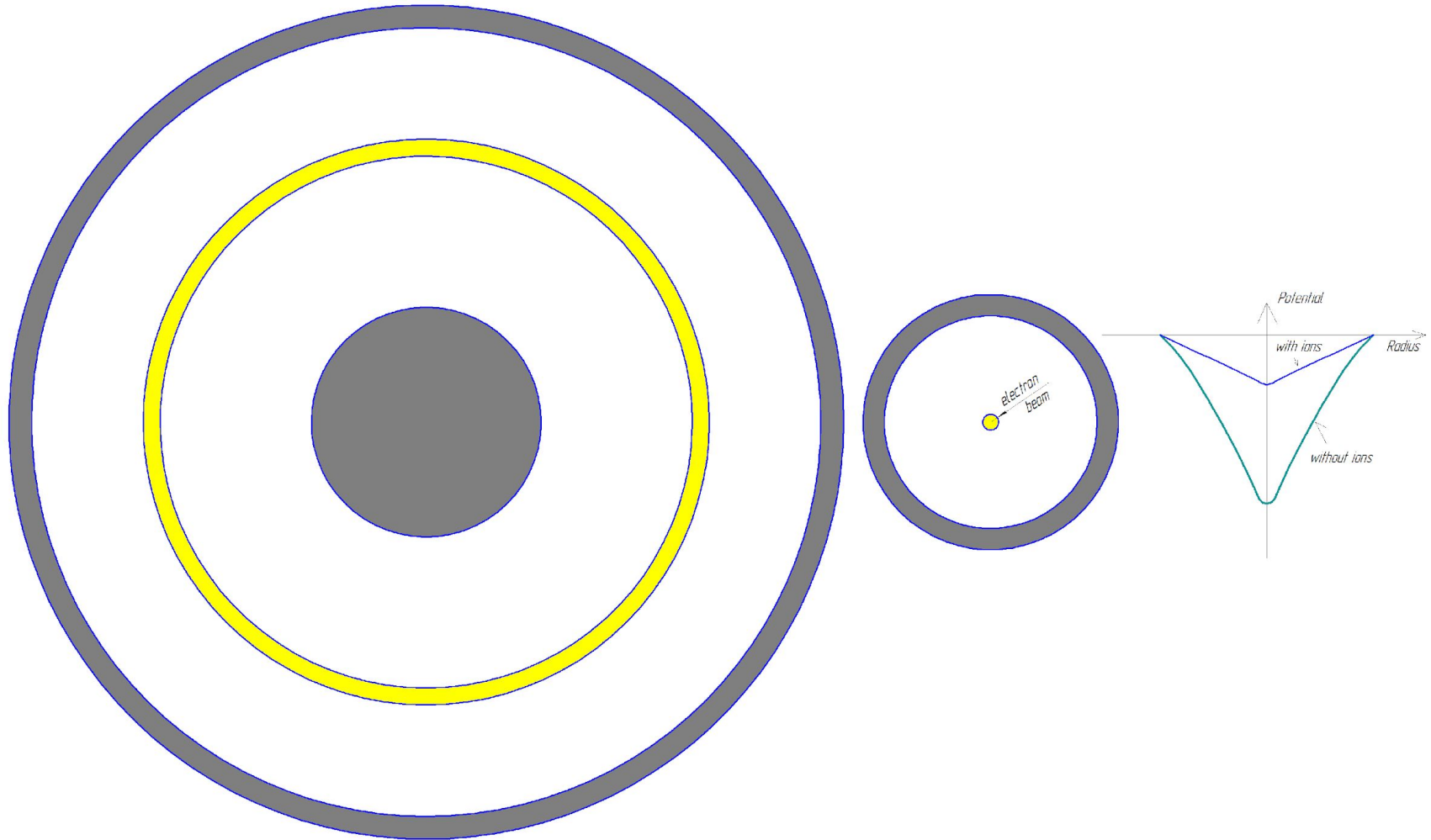
Boytsov A.Y.

Electron String Ion Source, (ESIS)

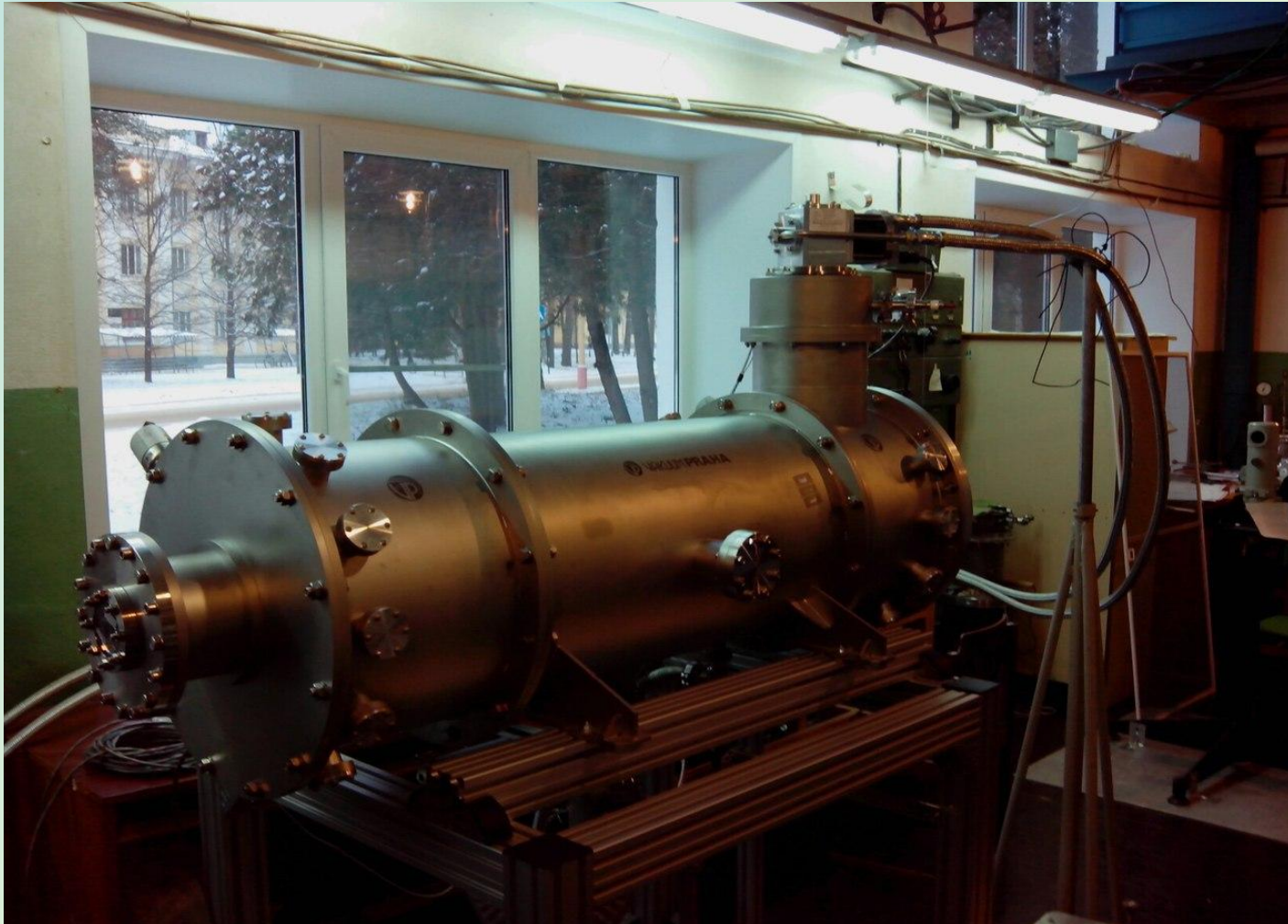
B,T



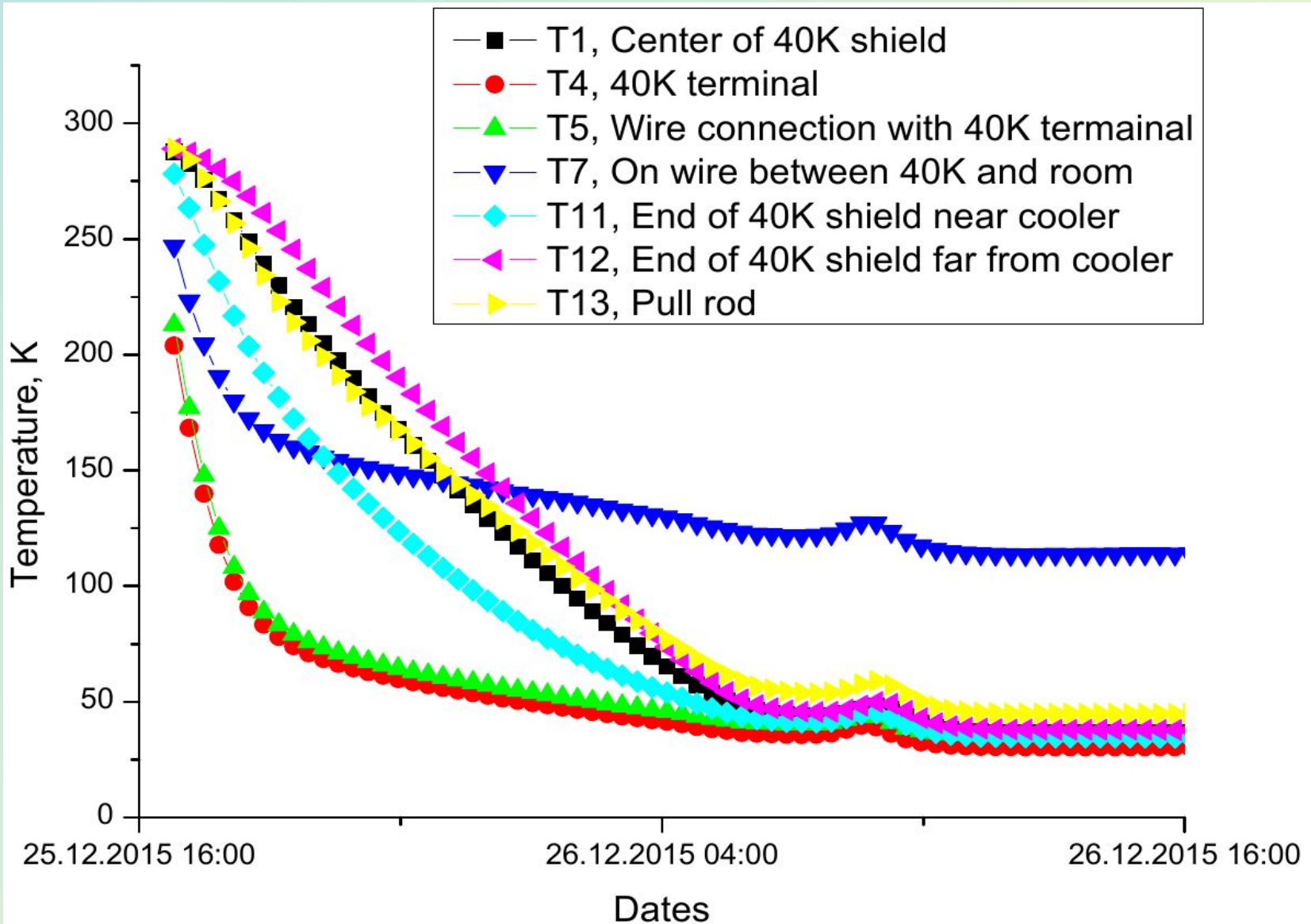
Tubular beam



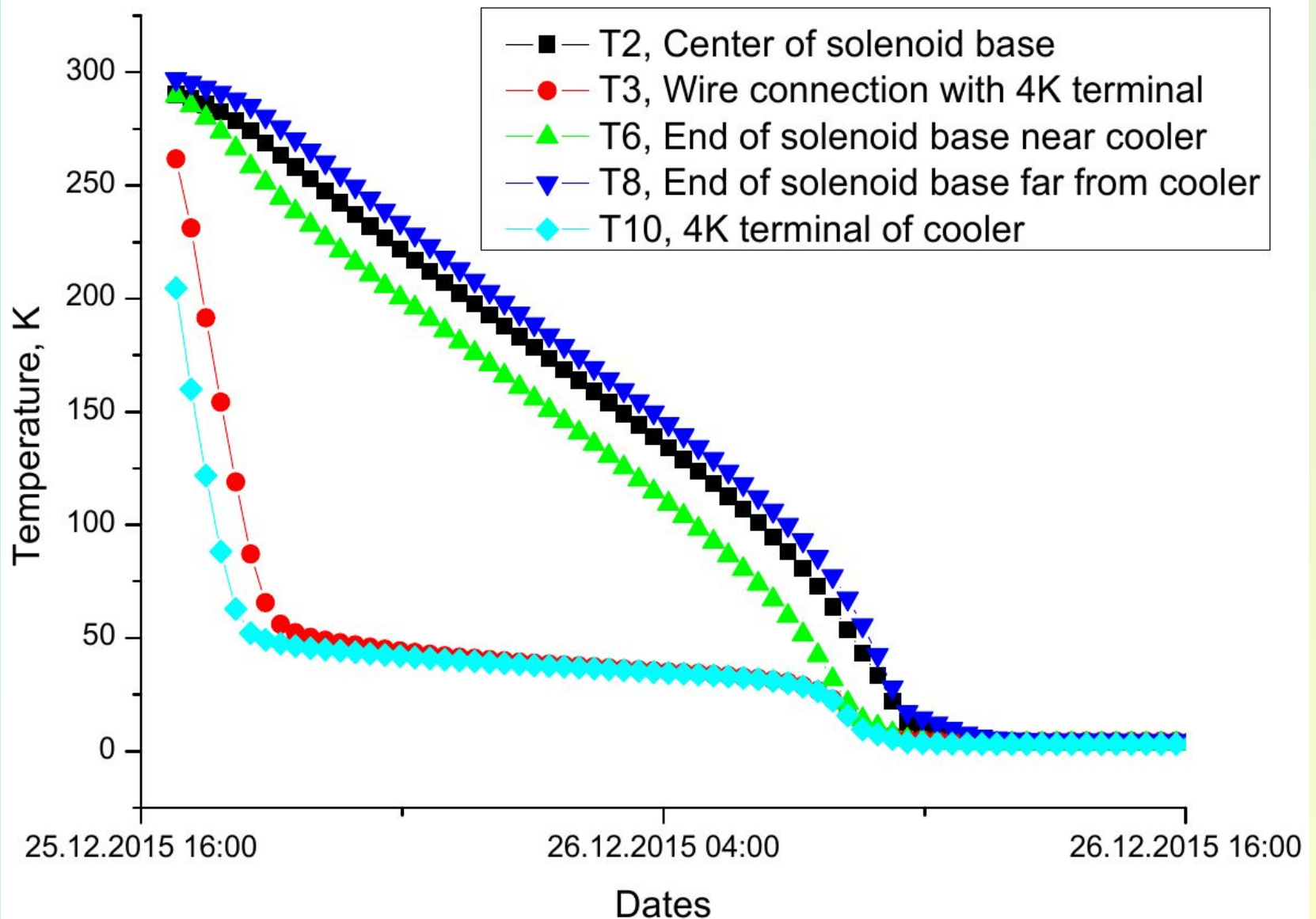
Test bench



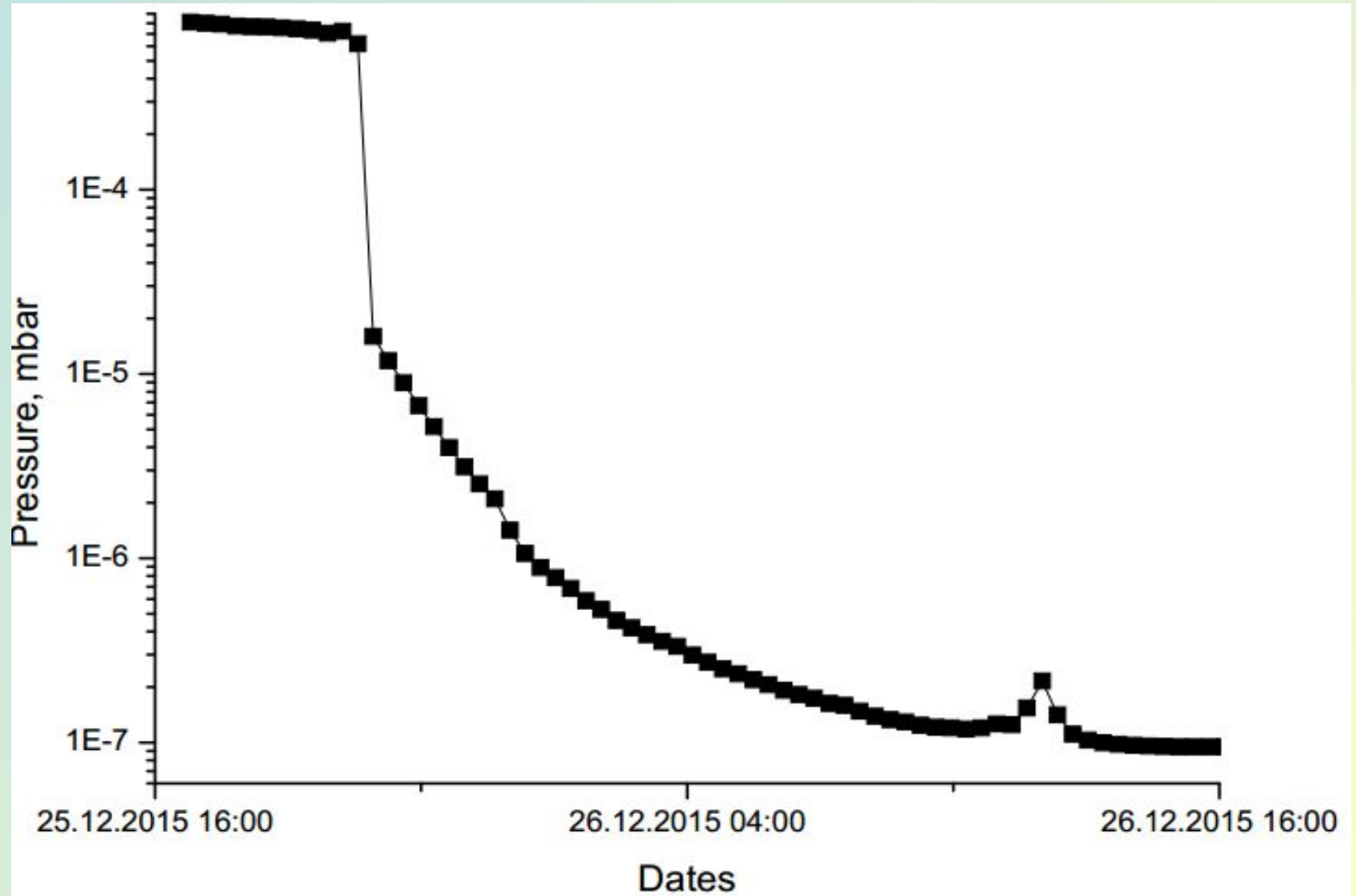
Cooling from 40K terminal

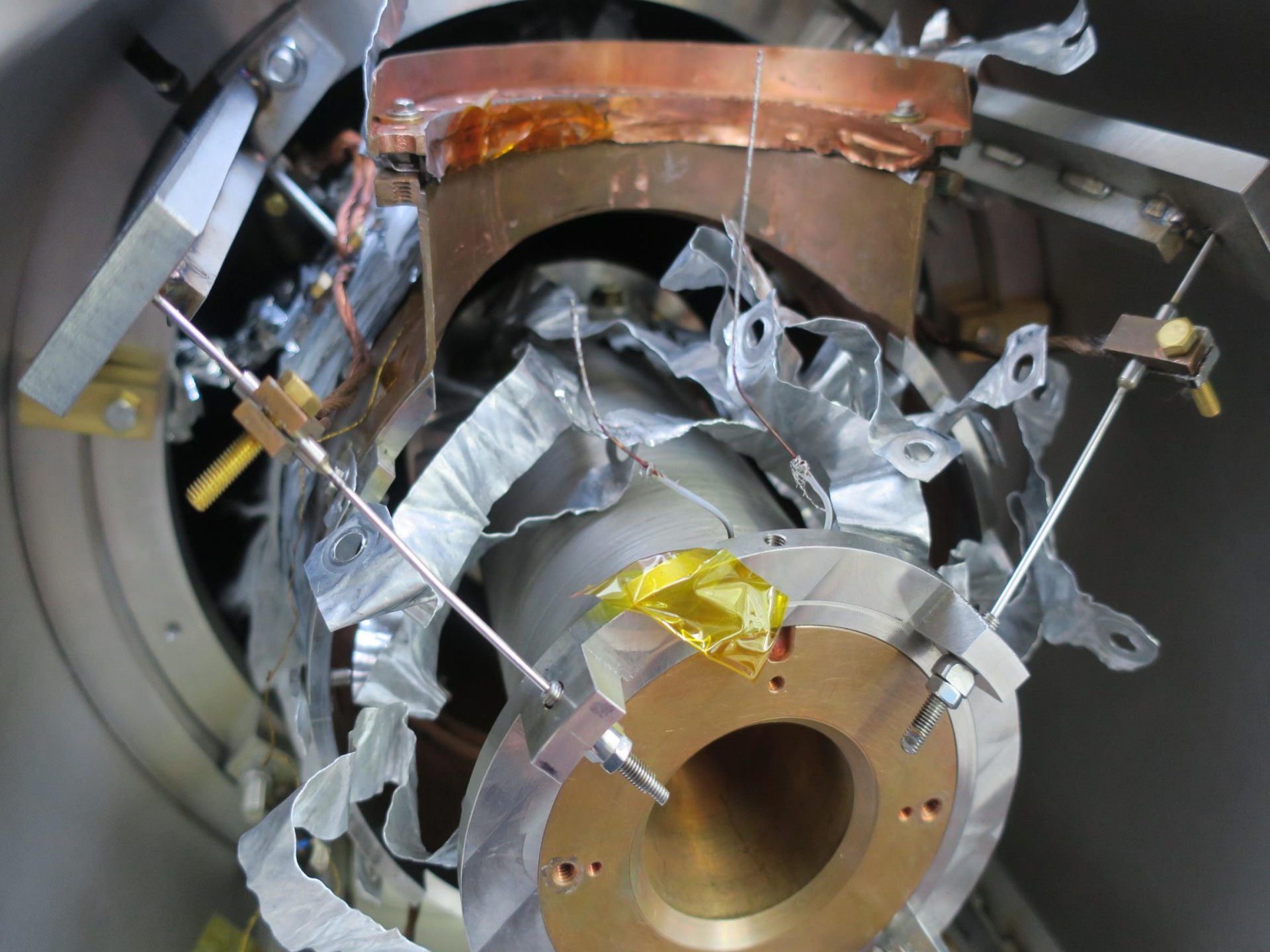


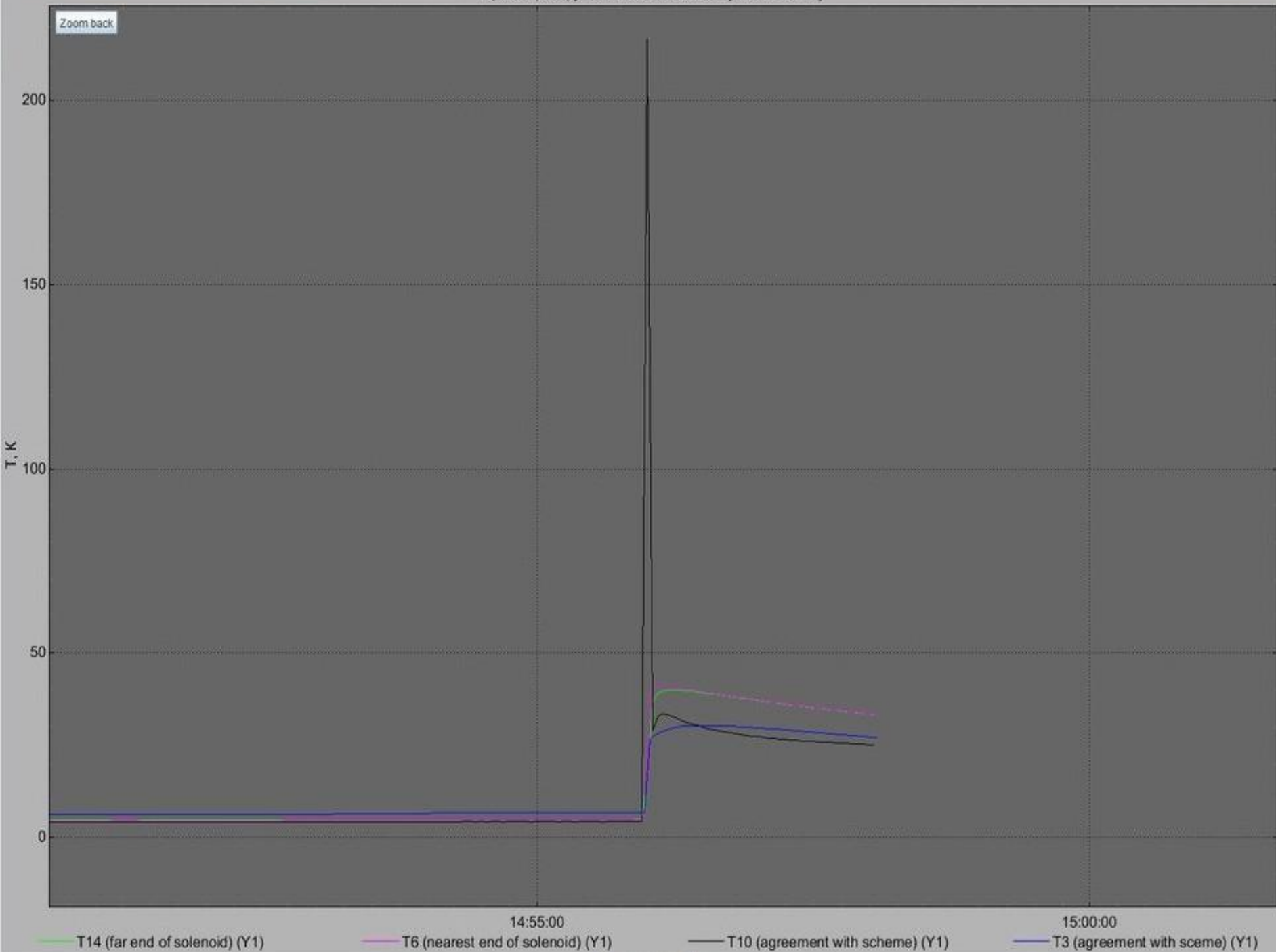
Cooling from 4K terminal

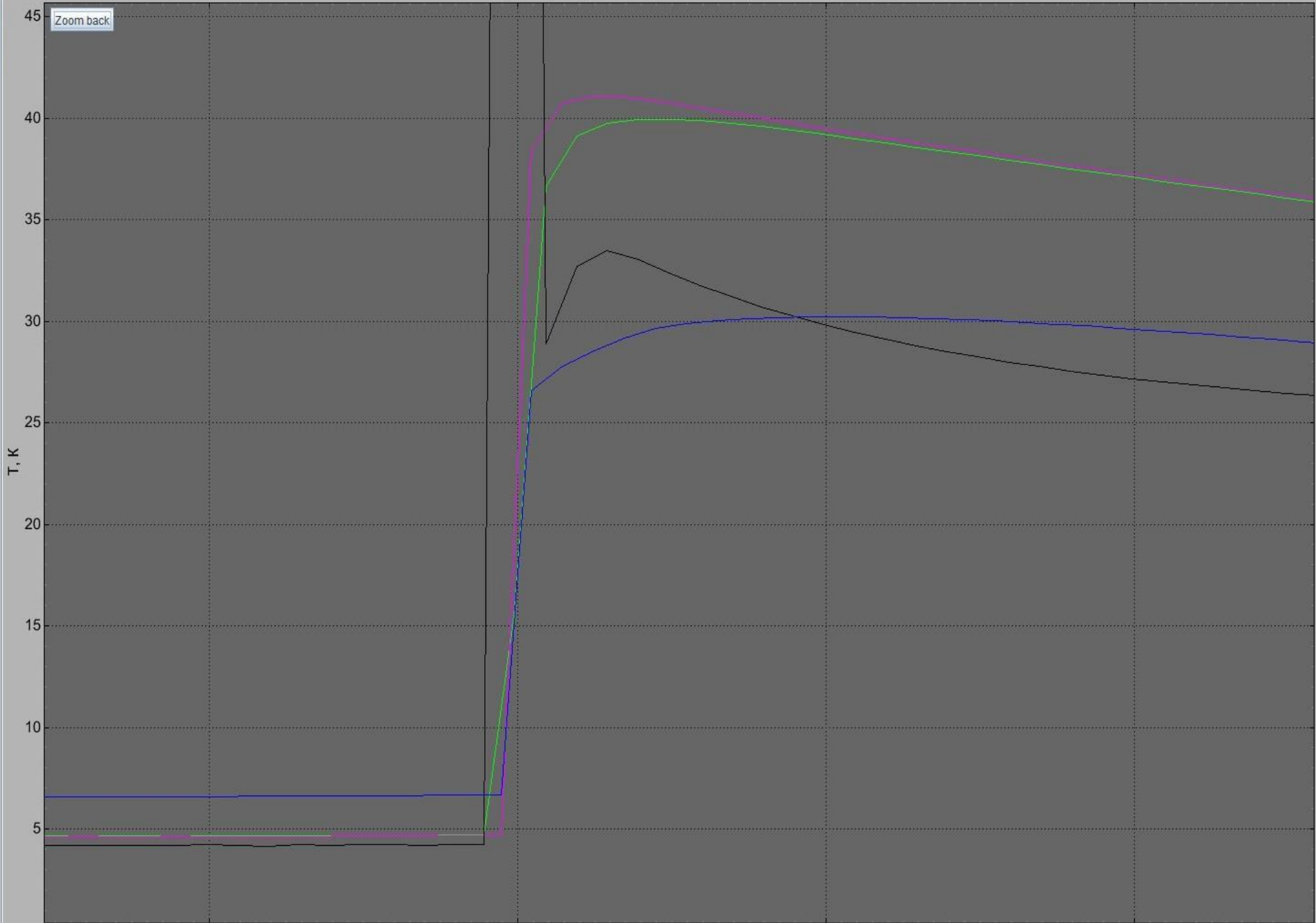


Pumping









Zoom back

14:55:30

14:56:00

14:56:30

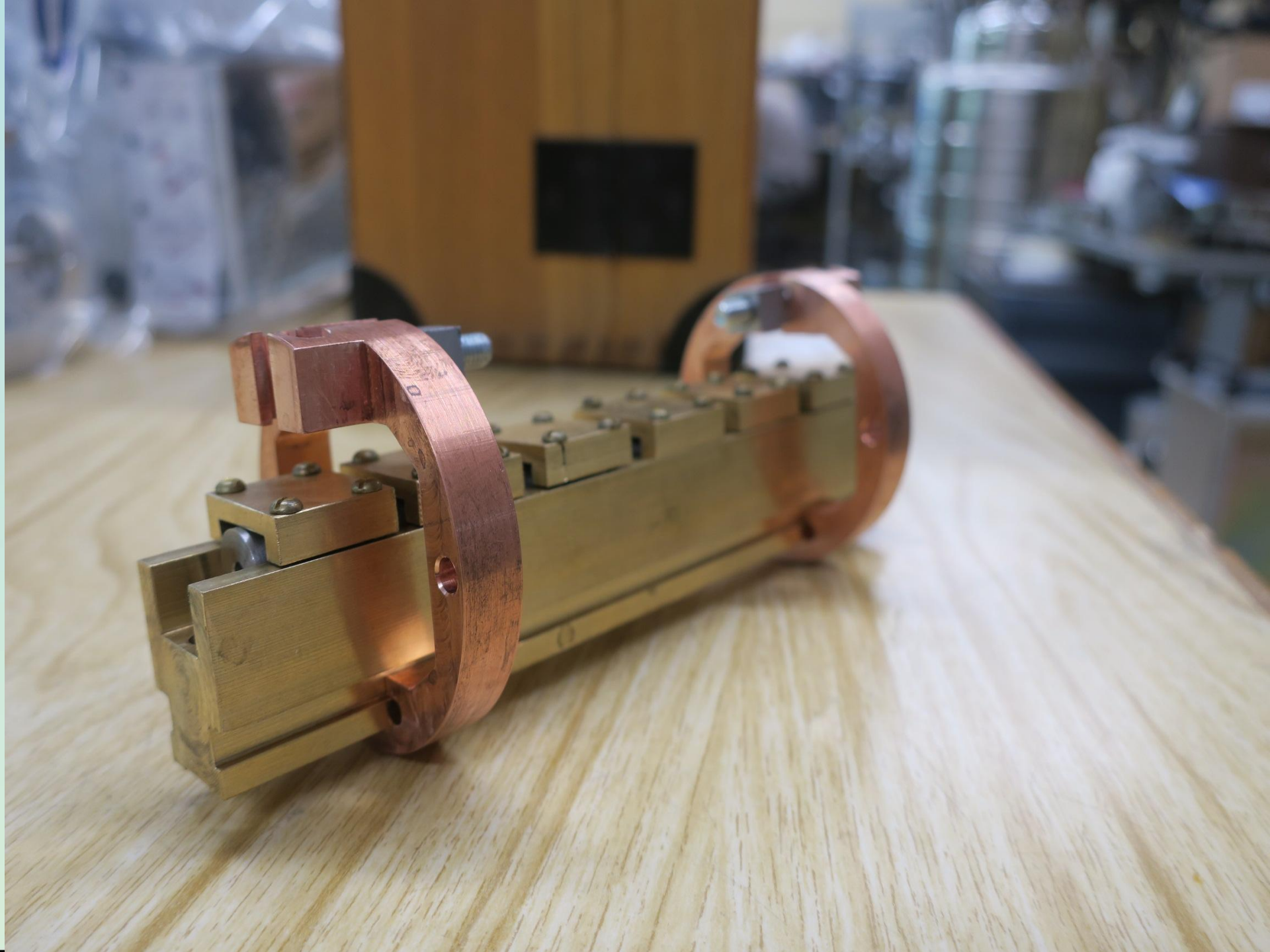
14:57:00

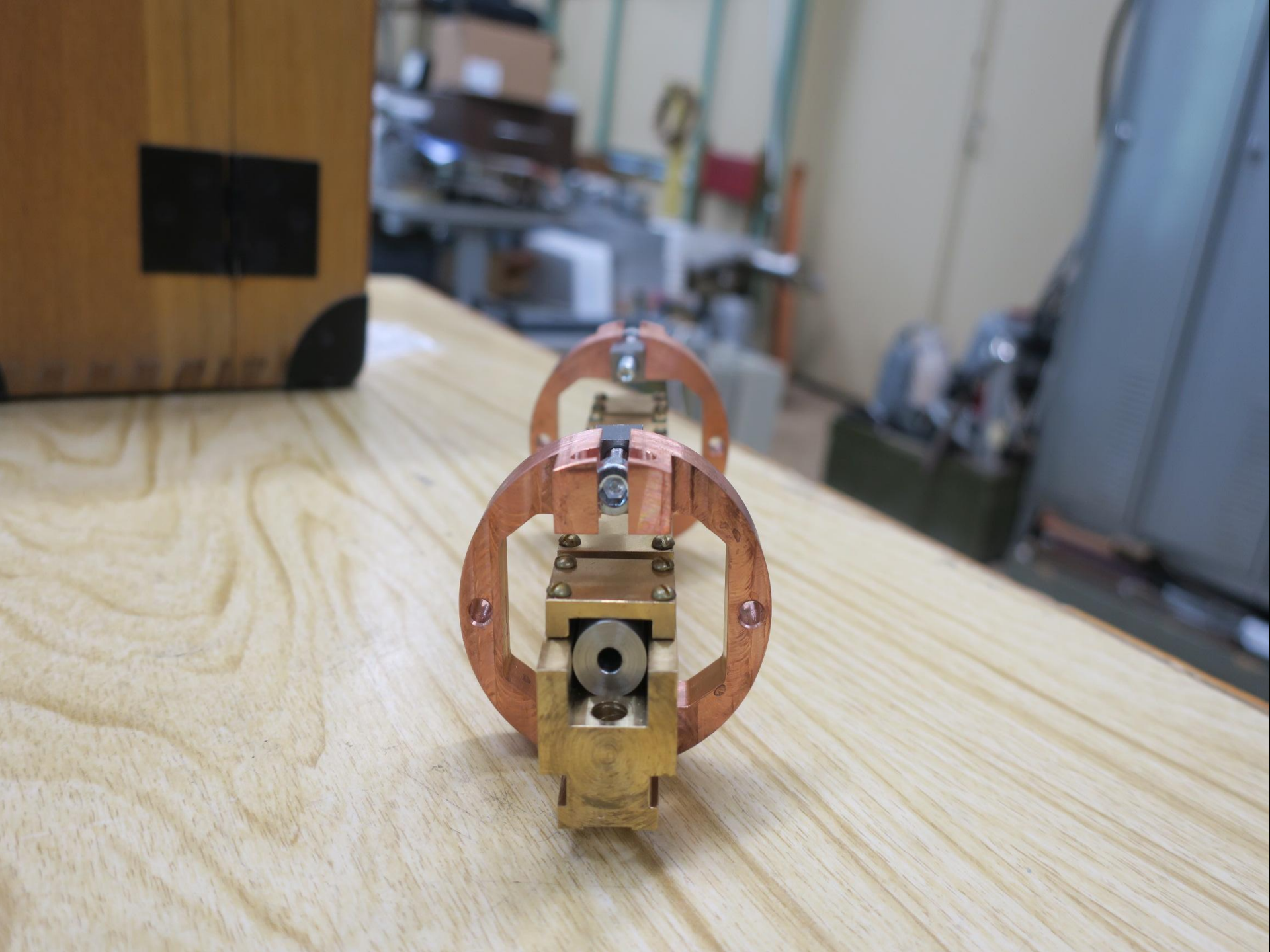
T14 (far end of solenoid) (Y1)

T6 (nearest end of solenoid) (Y1)

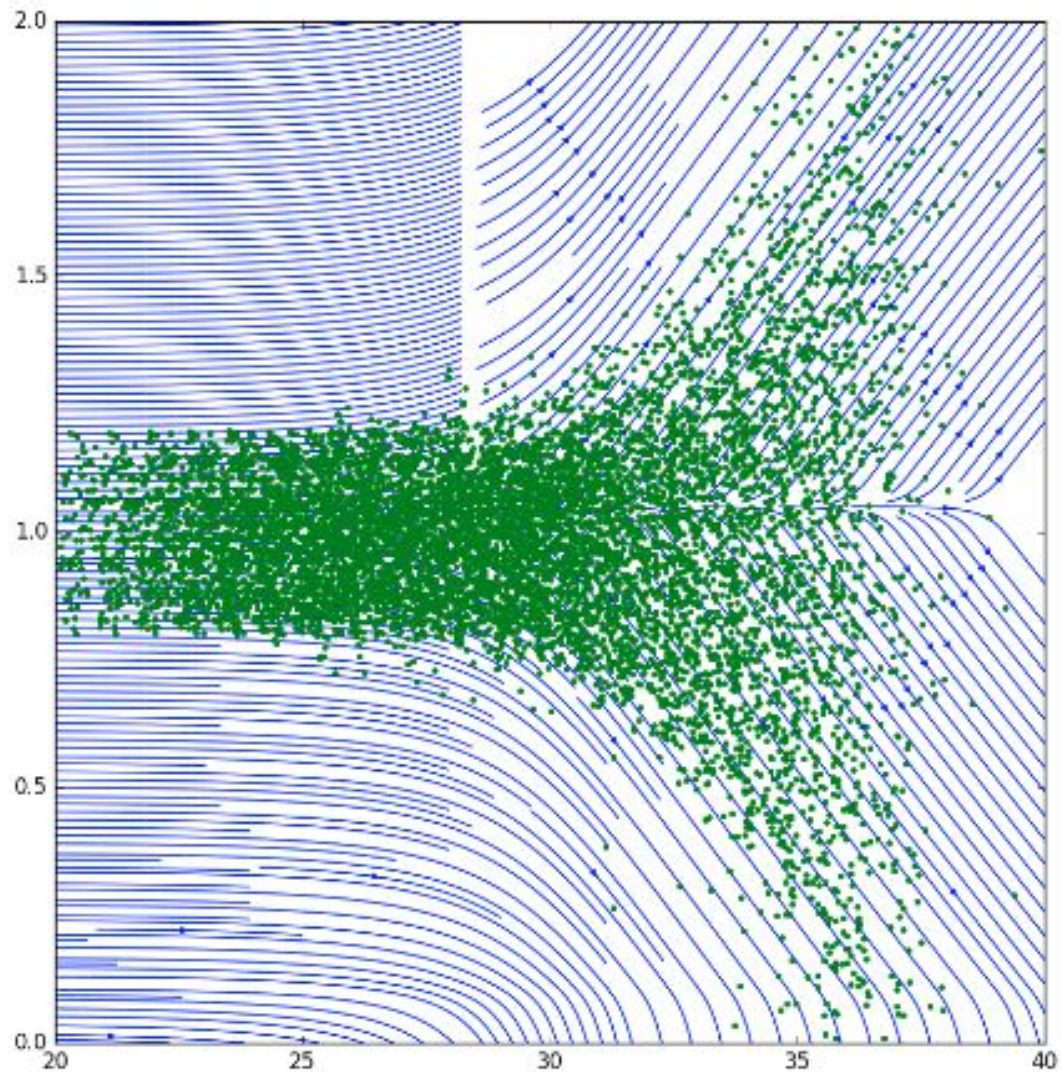
T10 (agreement with scheme) (Y1)

T3 (agreement with scheme) (Y1)





Ion extraction



Ef software

[epicf / ef](#)

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noooway edited this page on Jan 27 · 34 revisions

Ef is a software for simulation of charged particles dynamics. It's primary areas of application are accelerator science and plasma physics. Below are several examples of the simulations that can be done with this program:

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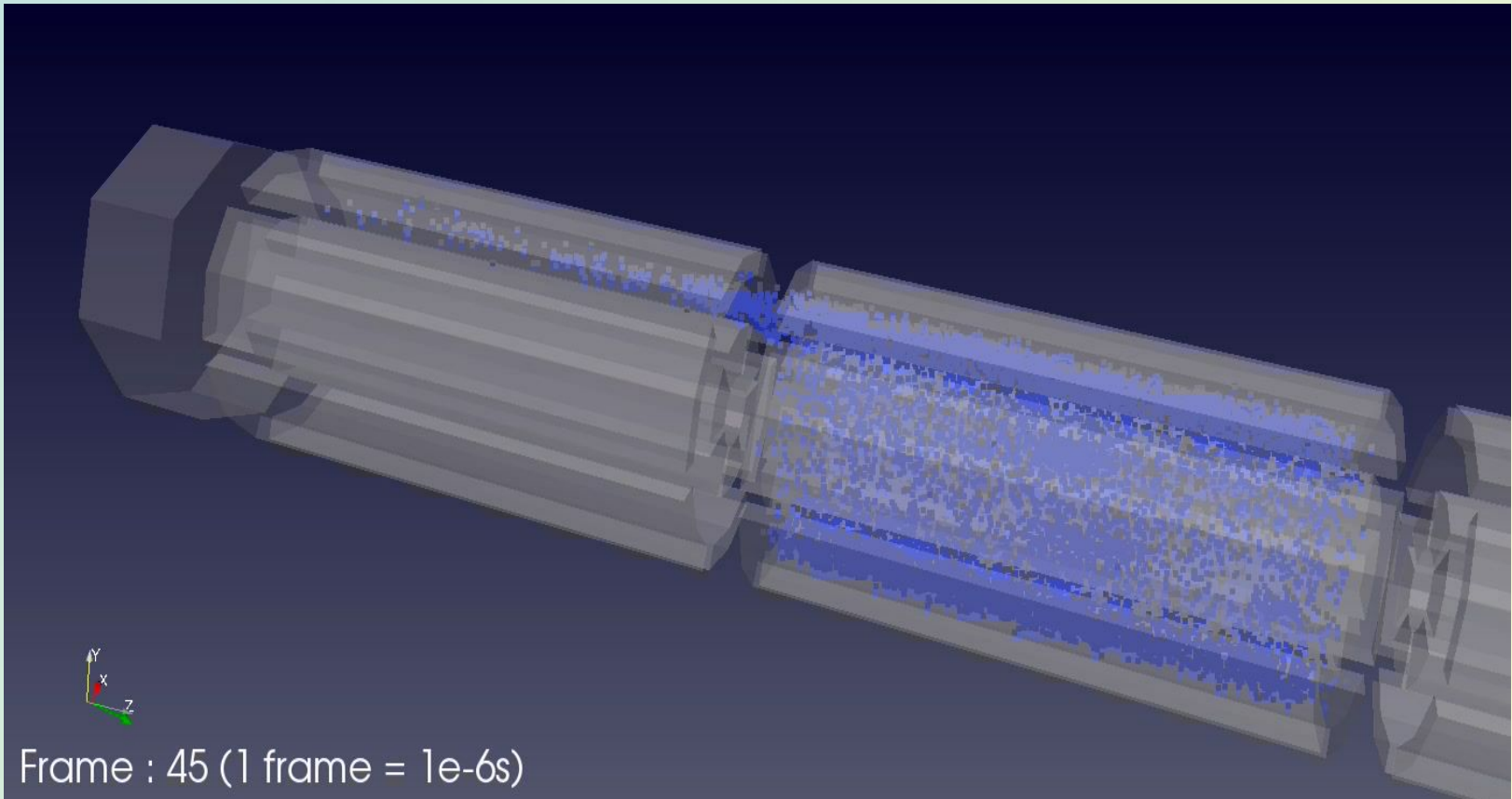
- Home
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 - Contour of Ribbon Beam In Uniform Magnetic Field
 - Axially Symmetric Beam Contour
 - Contour of Axially Symmetric Beam In Uniform Magnetic Field
 - Potential well of cylindrical

Single particle in uniform magnetic field;

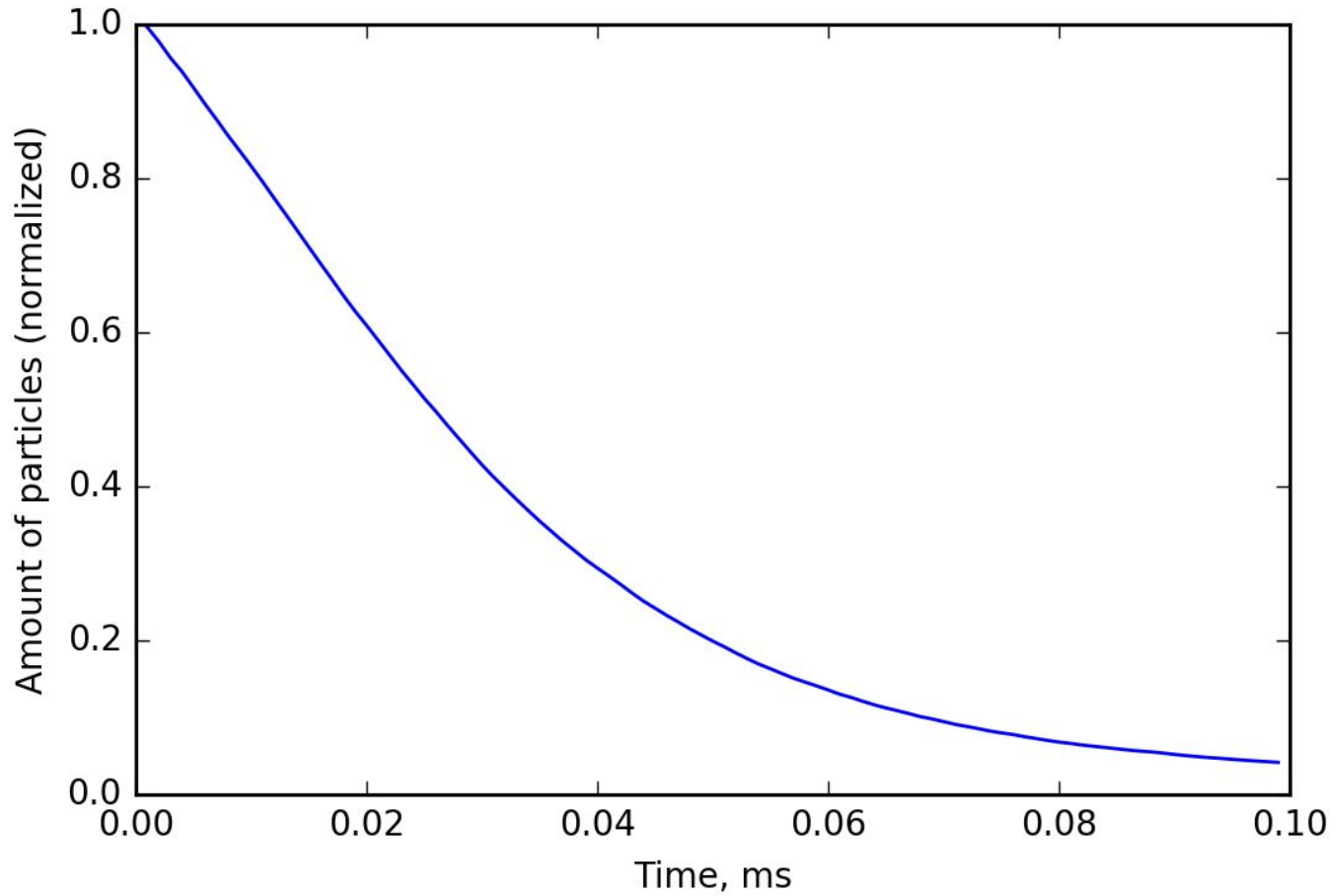
Widening of a ribbon beam during the propagation

Ribbon beam in uniform magnetic field

Results



Results



Спасибо за внимание