

Vortex motion probed by STM in NbSe₂ in presence of both point and correlated disorder

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Abstract

I would like to present a video movie of moving vortices probed by STM. This is work in collaboration with Dr. Alexei Troyanovsky from Kapitza Institute (Moscow) and Dr. Jan Aarts from our laboratory. The video itself will be the first in the world (as far as I know and, of course, as probed by STM). But we still have to do a lot of work to analyse the data in order to deduce some interesting physics out of it. However, because we are very busy with our moving operation it is difficult to tell how much progress we will have made by the time of the workshop.